

Annex G3

Monitoring Results for Water Quality

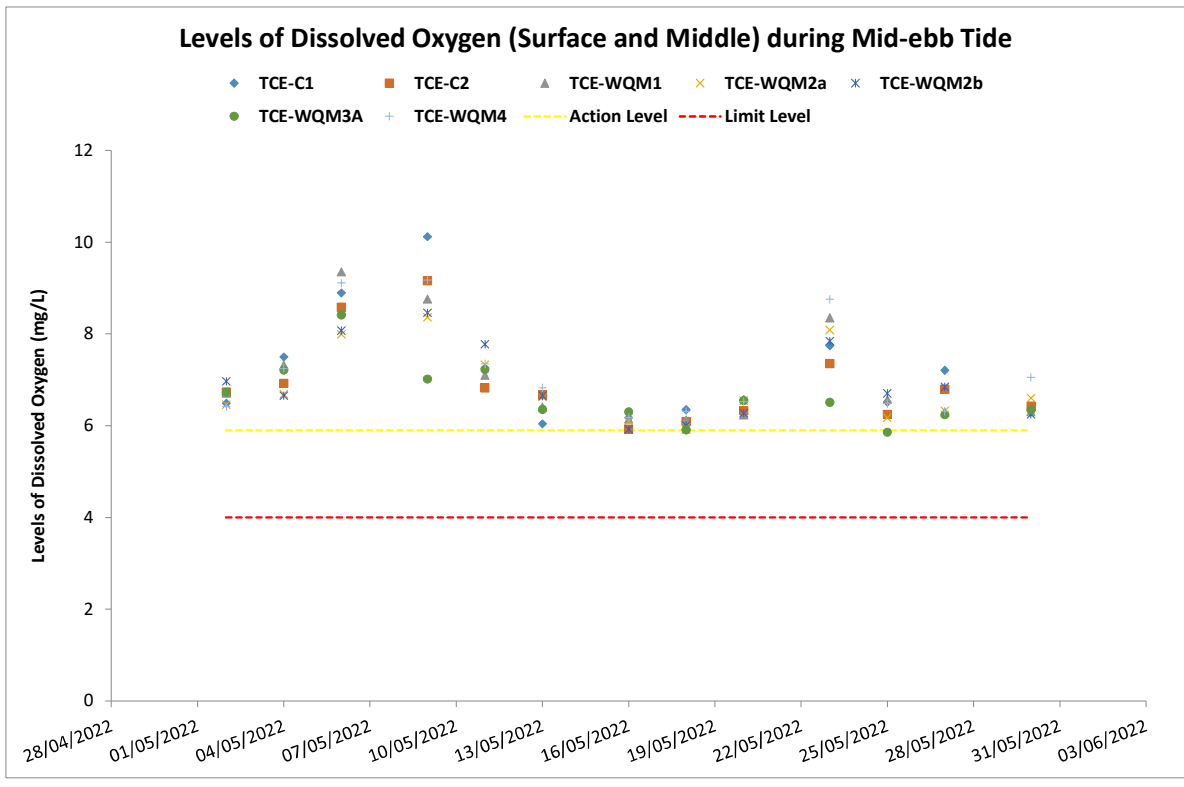


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 May 2022

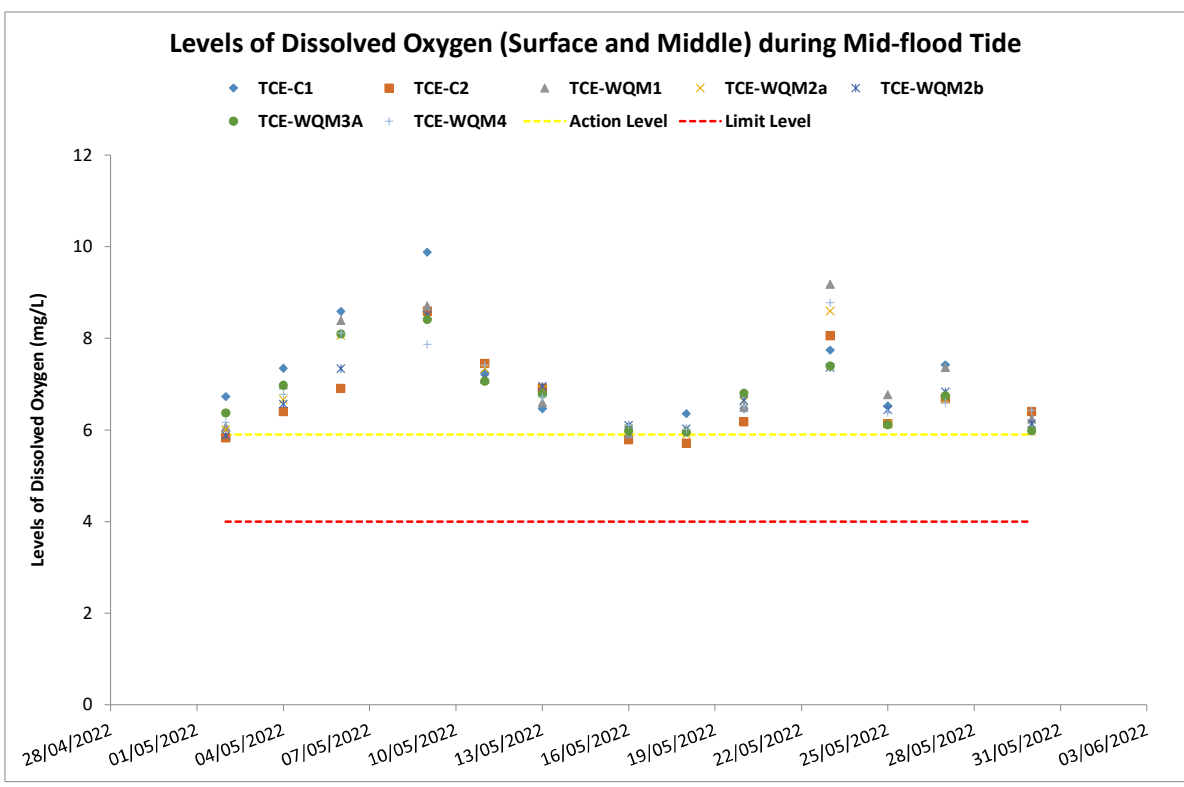
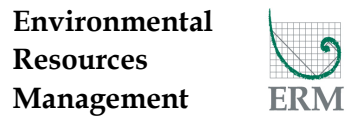


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 May 2022

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



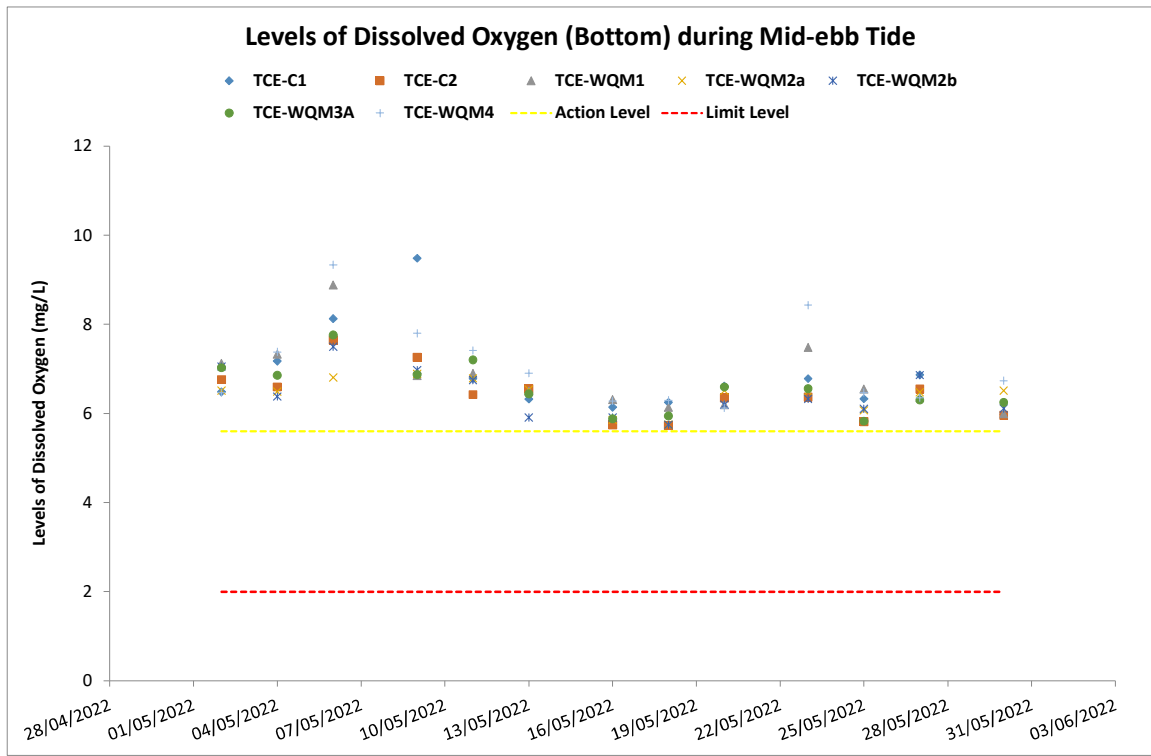


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 May 2022

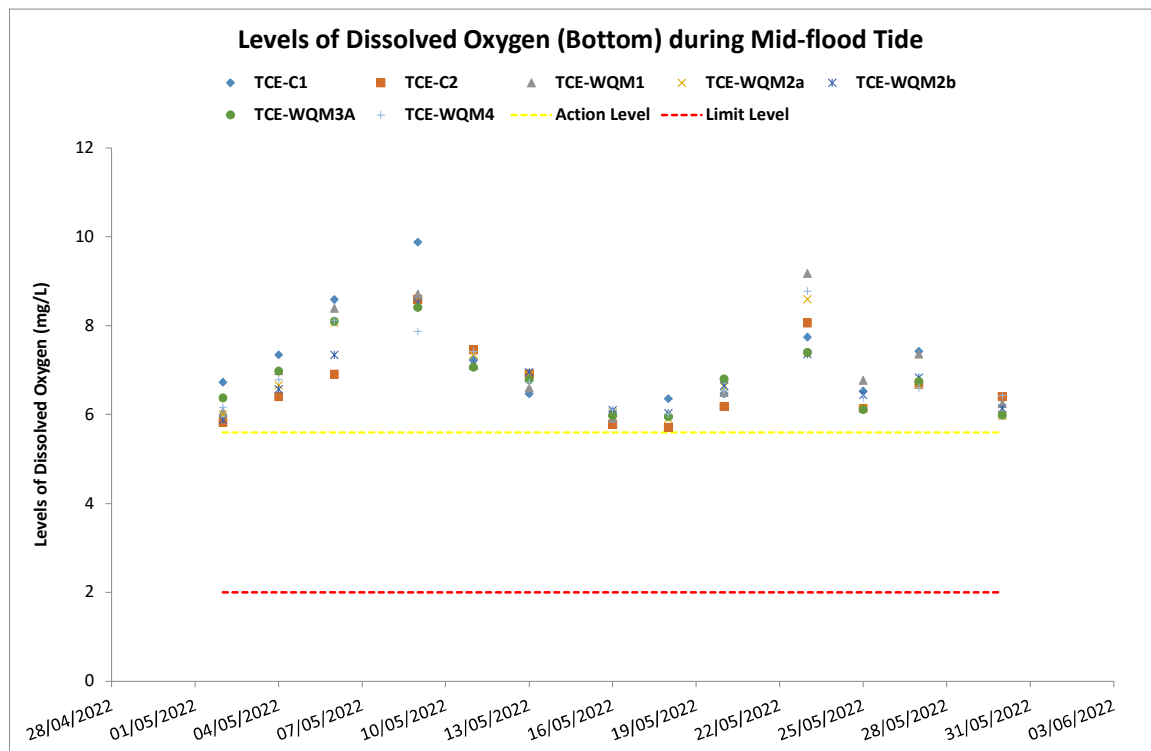


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 May 2022

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

**Environmental
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 Management**



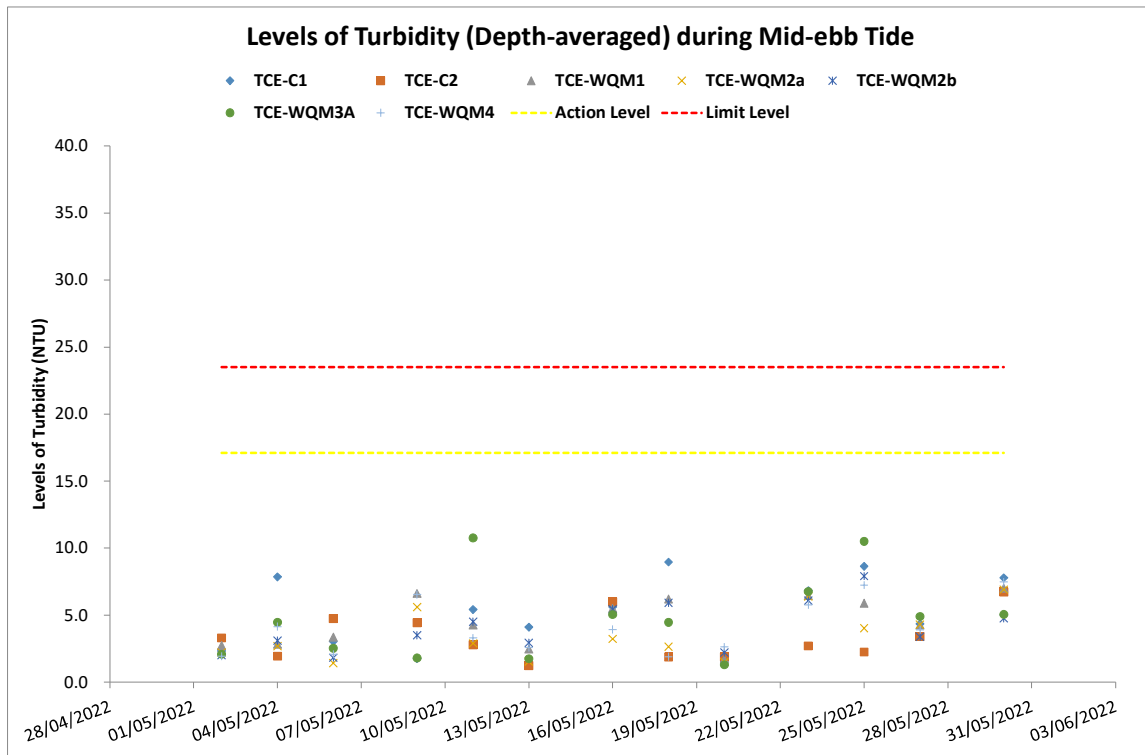


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 May 2022

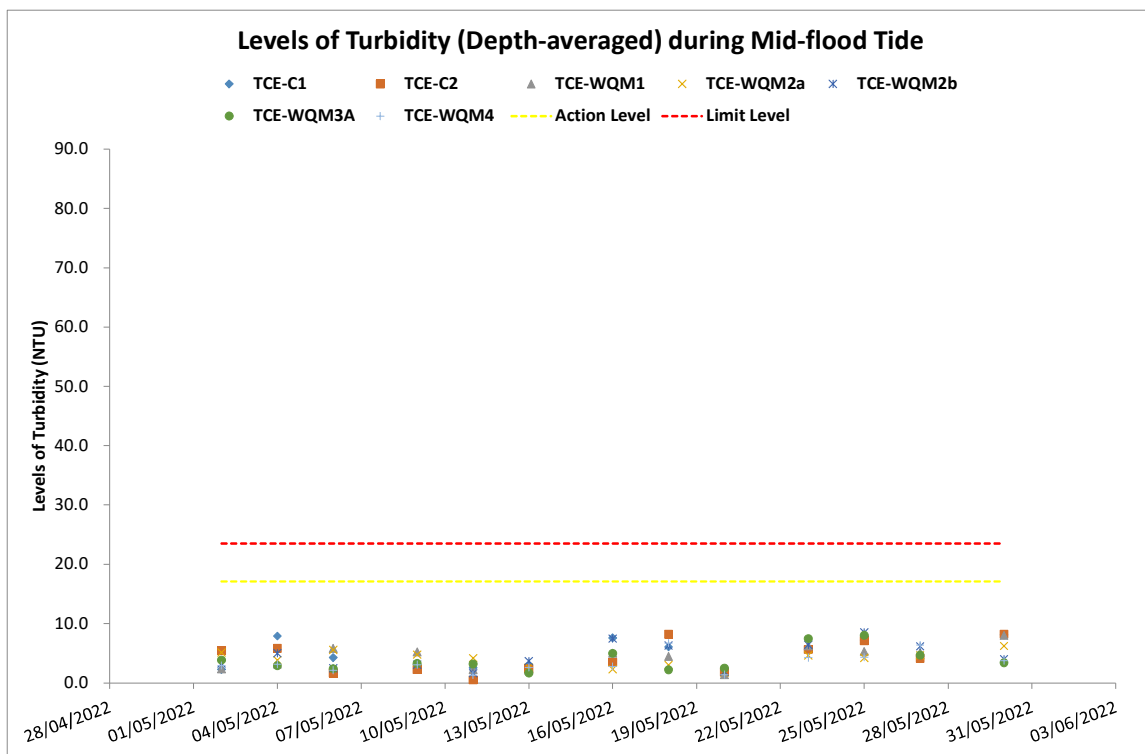


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 May 2022

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

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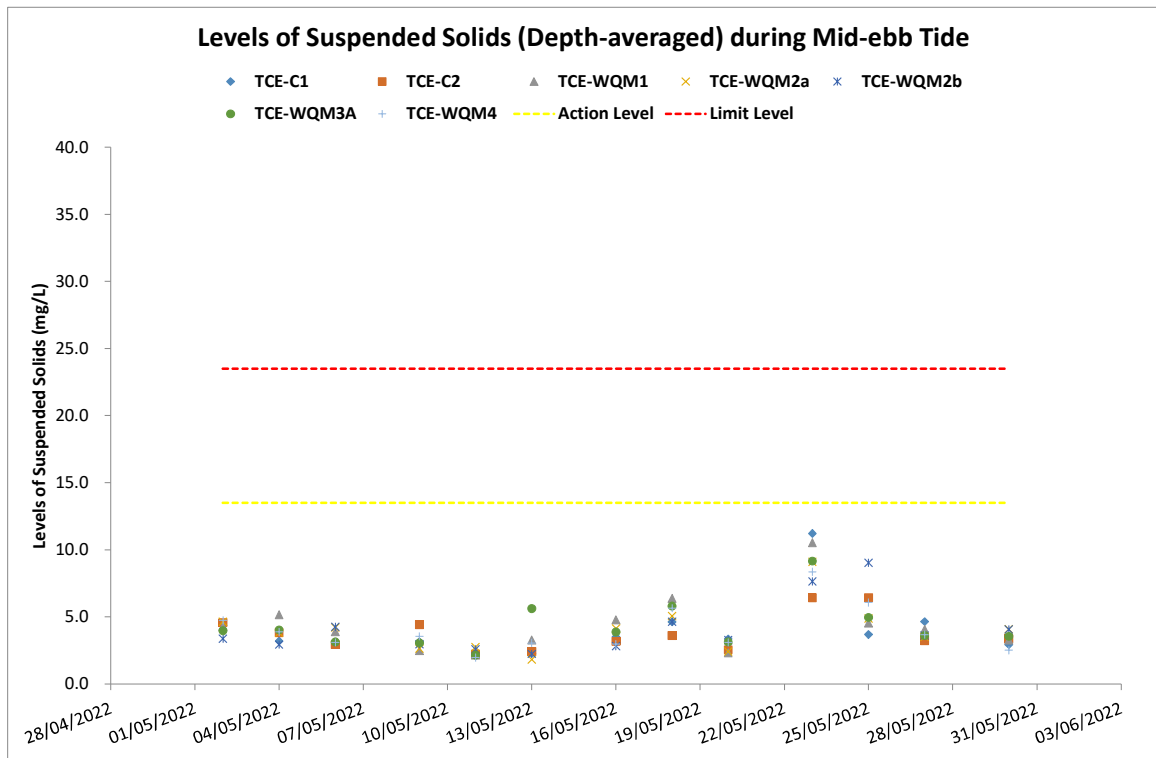


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 May 2022

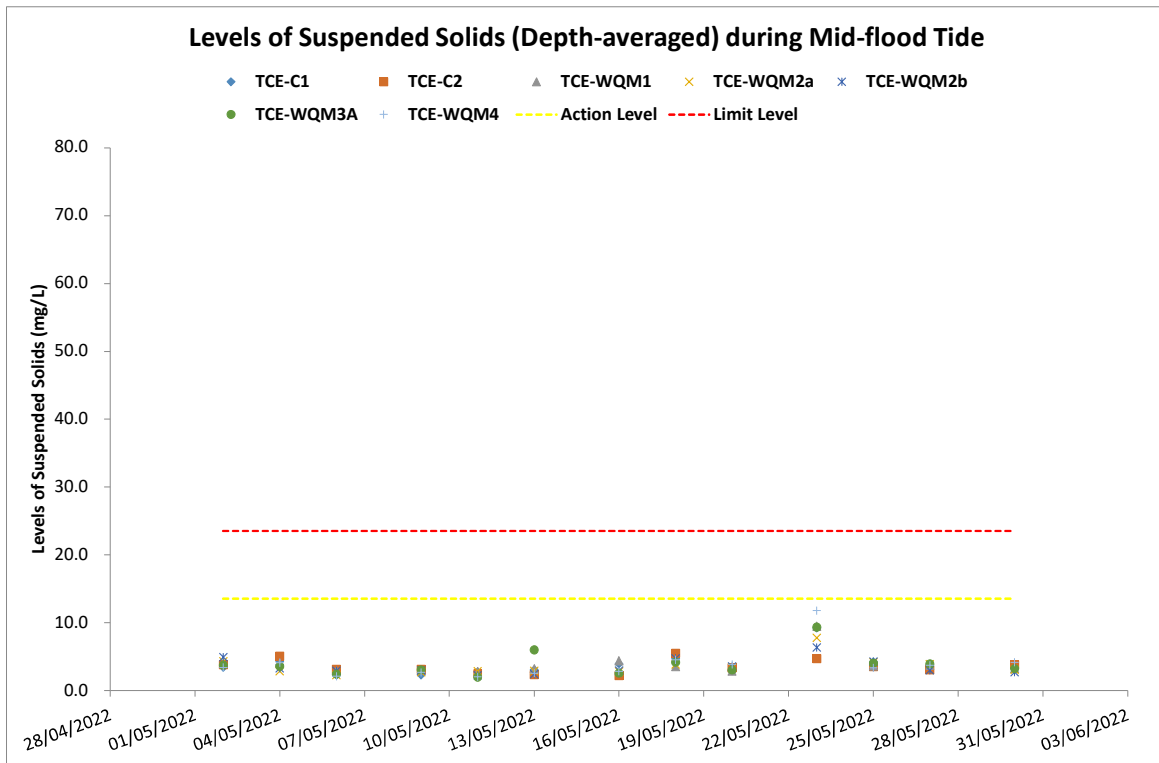


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 May 2022

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

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Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-05-02	Mid-Ebb	TCE-C1	Rainy	Moderate	12:16	7.8	Surface	1.0	1	24.1	7.8	24.6	6.5	90.3	1.1	5.1	6.5	2.4	4.4
									2	24.1	7.8	24.7	6.5	90.4	1.1	4.8			
							Middle	3.9	1	24.1	7.8	24.7	6.5	90.5	2.5	4.6			
							Bottom	6.8	1	24.0	7.8	24.7	6.5	90.4	3.5	3.9			
				2	24.0	7.8	24.3	6.4	90.2	3.5	3.5								
		TCE-C2	Rainy	Moderate	14:47	12.2	Surface	1.0	1	23.9	7.9	27.5	6.8	95.6	2.4	5.0	6.7	3.3	4.6
									2	24.0	7.9	27.5	6.7	95.7	2.5	4.8			
							Middle	6.1	1	24.0	7.9	30.3	6.7	96.5	3.4	4.6			
							Bottom	11.2	1	23.9	7.9	30.4	6.7	96.7	3.3	4.5			
				2	23.9	7.9	30.7	6.7	97.0	4.1	4.2								
		TCE-WQM1	Rainy	Moderate	13:10	8.4	Surface	1.0	1	24.1	7.8	25.0	6.5	91.1	1.7	4.0	6.7	2.7	4.3
									2	24.1	7.8	25.0	6.6	91.7	1.6	3.8			
	Middle						4.2	1	24.1	7.8	25.0	6.8	95.6	2.9	4.2				
	Bottom						7.4	1	24.1	7.8	24.9	7.1	98.5	3.8	4.7				
			2	24.1	7.8	24.9	7.2	100.4	3.7	4.5									
	TCE-WQM2a	Rainy	Moderate	13:59	7.0	Surface	1.0	1	23.9	7.8	24.3	6.4	89.1	1.0	5.0	6.5	2.2	4.6	
								2	23.9	7.8	24.3	6.4	89.1	1.0	5.3				
						Middle	3.5	1	23.8	7.8	24.4	6.5	89.8	2.1	4.5				
						Bottom	6.0	1	23.8	7.8	24.4	6.5	90.0	2.2	4.7				
			2	23.8	7.8	24.4	6.5	90.1	3.5	4.2									
	TCE-WQM2b	Rainy	Moderate	14:13	10.2	Surface	1.0	1	23.7	7.9	27.9	6.9	97.9	1.6	4.0	7.0	2.0	3.4	
								2	23.7	7.9	28.0	6.9	98.1	1.8	3.7				
						Middle	5.1	1	23.8	7.9	28.1	7.0	98.9	2.0	3.6				
						Bottom	9.2	1	23.8	7.9	28.2	7.0	99.1	2.1	3.2				
		2	23.8	7.9	28.3	7.0	99.7	2.3	2.8										
TCE-WQM3A	Rainy	Moderate	13:46	3.6	Surface	1.0	1	23.8	7.8	24.3	6.6	91.3	1.4	3.9	6.7	2.1	4.0		
							2	23.8	7.8	24.4	6.9	95.0	1.5	3.6					
					Bottom	2.6	1	23.8	7.8	24.5	7.0	96.7	2.7	4.1					
							2	23.8	7.8	24.5	7.1	97.9	2.8	4.3					
TCE-WQM4	Rainy	Moderate	13:30	4.0	Surface	1.0	1	24.1	7.8	25.0	6.4	89.5	1.2	5.0	6.4	1.9	4.7		
							2	24.1	7.8	25.0	6.4	89.7	1.3	4.8					
					Bottom	3.0	1	24.1	7.8	25.0	6.5	90.1	2.6	4.6					
							2	24.1	7.8	25.0	6.5	90.5	2.7	4.5					
2022-05-02	Mid-Flood	TCE-C1	Rainy	Moderate	9:02	7.8	Surface	1.0	1	24.0	7.8	24.7	6.5	91.1	1.8	3.0	6.7	2.3	3.4
									2	24.0	7.8	24.7	6.6	91.6	1.8	3.0			
							Middle	3.9	1	24.0	7.8	24.7	6.9	95.5	2.1	3.3			
							Bottom	6.8	1	24.0	7.8	24.7	6.9	96.5	2.1	3.5			
				2	23.9	7.8	24.7	7.1	99.0	2.9	3.6								
		TCE-C2	Rainy	Moderate	7:03	11.2	Surface	1.0	1	24.2	7.9	27.0	5.8	83.7	4.8	3.3	5.8	5.4	3.8
									2	24.2	7.9	27.0	5.8	83.7	4.7	3.0			
							Middle	5.6	1	24.0	7.9	30.0	5.8	84.4	5.5	3.5			
							Bottom	10.2	1	23.9	7.9	30.1	5.8	84.8	5.5	3.8			
				2	23.9	7.9	30.3	6.0	87.0	6.0	4.4								
		TCE-WQM1	Rainy	Moderate	8:22	8.4	Surface	1.0	1	24.3	7.8	25.1	6.1	86.0	1.4	3.5	6.1	2.4	3.9
									2	24.3	7.8	25.3	6.1	85.9	1.5	3.1			
	Middle						4.2	1	24.2	7.8	26.3	6.0	85.8	2.0	3.8				
	Bottom						7.4	1	24.2	7.8	26.3	6.1	85.9	2.1	3.6				
			2	24.2	7.8	28.4	6.0	86.5	3.8	4.5									
	TCE-WQM2a	Rainy	Moderate	7:46	6.6	Surface	1.0	1	24.3	7.9	27.5	6.0	85.6	4.1	4.8	6.0	5.1	4.3	
								2	24.3	7.9	27.5	6.0	85.6	4.1	4.6				
						Middle	3.3	1	24.1	7.9	28.2	6.0	86.1	5.1	4.1				
						Bottom	5.6	1	24.0	7.9	28.6	6.0	86.4	5.1	4.5				
			2	24.0	7.9	29.3	6.1	87.8	6.2	3.9									
	TCE-WQM2b	Rainy	Moderate	7:35	10.0	Surface	1.0	1	24.3	7.9	27.0	5.9	84.1	2.0	5.8	5.9	3.3	4.9	
								2	24.3	7.9	27.0	5.9	84.1	2.1	5.4				
						Middle	5.0	1	24.3	7.9	27.2	5.9	84.2	3.1	5.1				
						Bottom	9.0	1	24.3	7.9	27.5	5.9	84.2	3.2	5.3				
		2	24.3	7.9	29.2	5.8	84.4	4.6	4.1										
TCE-WQM3A	Rainy	Moderate	7:58	5.0	Surface	1.0	1	24.2	7.8	26.5	6.3	90.1	3.0	4.2	6.4	3.8	3.7		
							2	24.2	7.8	26.6	6.4	90.9	3.1	4.8					
					Bottom	4.0	1	24.0	7.8	26.7	6.8	96.4	4.7	2.9					
							2	24.1	7.8	26.7	6.9	98.2	4.6	3.0					
TCE-WQM4	Rainy	Moderate	8:09	3.8	Surface	1.0	1	24.3	7.8	27.0	6.2	87.7	2.8	2.9	6.2	2.9	3.4		
							2	24.3	7.8	27.2	6.2	87.8	2.7	3.0					
					Bottom	2.8	1	24.2	7.8	27.7	6.2	88.1	3.2	3.6					
							2	24.2	7.8	27.5	6.2	88.2	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)
2022-05-04	Mid-Ebb	TCE-C1	Fine	Moderate	13:31	8.0	Surface	1.0	1	23.6	8.1	30.7	7.7	108.6	9.3	3.9	7.5	7.9	3.2
									2	23.6	8.1	30.7	7.7	108.5	9.5	3.6			
							Middle	4.0	1	23.4	8.1	33.1	7.3	103.4	5.4	3.4			
							Bottom	7.0	1	23.4	8.1	33.1	7.3	103.3	5.4	3.0			
				2	23.4	8.1	33.4	7.2	102.0	9.5	2.8								
				2	23.4	8.1	33.4	7.2	102.1	8.1	2.5								
		TCE-C2	Fine	Moderate	15:28	13.4	Surface	1.0	1	24.4	8.0	27.9	7.4	104.0	1.4	3.1	6.9	1.9	3.8
				2	24.4	8.0	27.9	7.4	104.0	1.5	3.2								
		Middle	6.7	1	23.6	8.0	32.8	6.4	91.5	2.4	4.2								
		Bottom	12.4	1	23.6	8.0	32.8	6.4	91.6	2.4	3.8								
				2	23.7	8.0	33.1	6.6	94.0	2.0	4.2								
				2	23.7	8.0	33.0	6.6	94.1	2.1	4.5								
	TCE-WQM1	Fine	Moderate	14:13	8.2	Surface	1.0	1	24.0	8.0	28.4	7.4	102.7	2.8	4.3	7.3	2.8	5.2	
			2	24.0	8.0	28.4	7.4	102.6	2.8	4.6									
	Middle	4.1	1	23.9	8.0	28.4	7.3	101.8	2.9	4.9									
	Bottom	7.2	1	23.9	8.0	28.4	7.3	101.8	2.9	5.3									
			2	23.9	8.0	28.4	7.3	102.3	2.8	5.7									
			2	23.9	8.0	28.4	7.3	102.4	2.9	6.1									
	TCE-WQM2a	Fine	Moderate	14:47	7.7	Surface	1.0	1	24.3	8.0	28.2	6.9	97.3	2.4	4.4	6.7	2.7	3.8	
			2	24.3	8.0	28.2	6.9	97.3	2.4	4.7									
	Middle	3.9	1	23.8	8.0	31.1	6.4	90.8	3.1	3.9									
	Bottom	6.7	1	23.8	8.0	31.1	6.4	90.9	3.1	3.5									
			2	23.7	8.0	31.9	6.5	92.0	2.5	3.4									
			2	23.7	8.0	31.9	6.5	92.1	2.6	3.0									
TCE-WQM2b	Fine	Moderate	14:59	11.8	Surface	1.0	1	24.2	8.0	28.6	7.0	97.7	2.0	3.5	6.7	3.1	2.9		
		2	24.2	8.0	28.6	7.0	97.7	2.0	3.3										
Middle	5.9	1	23.7	8.0	32.0	6.3	90.1	3.7	2.8										
Bottom	10.8	1	23.7	8.0	32.0	6.4	90.1	3.7	3.0										
		2	23.7	8.0	32.5	6.4	90.7	3.5	2.6										
		2	23.7	8.0	32.5	6.4	90.9	3.7	2.4										
TCE-WQM3A	Fine	Moderate	14:36	5.1	Surface	1.0	1	24.0	8.0	27.6	7.2	100.4	2.7	4.5	7.2	4.5	4.0		
		2	24.0	8.0	27.6	7.2	100.3	2.8	4.1										
Bottom	4.1	1	24.0	8.0	28.4	6.9	95.7	6.1	3.6										
		2	24.0	8.0	28.4	6.9	95.8	6.3	3.9										
TCE-WQM4	Fine	Moderate	14:25	3.5	Surface	1.0	1	24.0	8.0	28.4	7.2	101.3	3.6	3.4	7.2	4.2	3.9		
		2	24.0	8.0	28.5	7.3	101.3	3.7	3.4										
Bottom	2.5	1	23.9	8.0	28.6	7.4	103.1	4.7	4.1										
		2	23.9	8.0	28.6	7.4	103.1	4.7	4.6										
2022-05-04	Mid-Flood	TCE-C1	Fine	Moderate	9:34	8.5	Surface	1.0	1	23.5	8.1	32.1	7.5	105.5	4.1	3.5	7.3	7.9	4.3
									2	23.5	8.1	32.2	7.4	105.2	4.6	3.7			
							Middle	4.3	1	23.4	8.1	33.2	7.3	103.2	6.1	4.6			
							Bottom	7.5	1	23.4	8.1	33.2	7.3	103.1	6.0	4.1			
				2	23.4	8.1	33.5	7.2	102.5	13.6	4.8								
				2	23.4	8.1	33.5	7.2	102.6	13.1	5.2								
		TCE-C2	Fine	Moderate	7:39	13.4	Surface	1.0	1	23.6	7.9	30.9	6.5	91.4	1.6	6.0	6.4	5.8	5.1
				2	23.6	7.9	30.9	6.5	91.4	1.6	6.5								
		Middle	6.7	1	23.6	7.9	32.1	6.3	89.7	4.5	4.7								
		Bottom	12.4	1	23.6	7.9	32.1	6.3	89.7	4.6	5.0								
				2	23.6	7.9	32.3	6.3	89.9	11.4	3.9								
				2	23.6	7.9	32.3	6.3	89.9	11.3	4.3								
	TCE-WQM1	Fine	Moderate	8:49	8.4	Surface	1.0	1	23.8	8.0	28.4	7.0	97.3	2.5	3.4	7.0	3.2	4.0	
			2	23.8	8.0	28.4	7.0	97.3	2.6	3.3									
	Middle	4.2	1	23.8	8.0	28.4	7.0	97.3	3.0	3.8									
	Bottom	7.4	1	23.8	8.0	28.4	7.0	97.3	3.2	4.1									
			2	23.8	8.0	28.4	7.0	97.8	3.8	4.8									
			2	23.8	8.0	28.4	7.0	97.9	3.9	4.6									
	TCE-WQM2a	Fine	Moderate	8:15	7.5	Surface	1.0	1	23.8	8.0	28.2	6.8	94.1	2.0	3.4	6.7	3.8	2.9	
			2	23.8	8.0	28.2	6.8	94.1	2.0	3.2									
	Middle	3.8	1	23.8	8.0	28.8	6.6	91.6	4.3	3.1									
	Bottom	6.5	1	23.8	8.0	28.8	6.6	91.4	4.4	2.8									
			2	23.8	8.0	30.3	6.5	90.9	4.8	2.4									
			2	23.8	8.0	30.3	6.5	91.0	5.5	2.2									
TCE-WQM2b	Fine	Moderate	8:02	12.4	Surface	1.0	1	23.9	8.0	29.0	6.7	93.5	2.4	4.4	6.6	5.0	3.3		
		2	23.9	8.0	29.0	6.7	93.5	2.5	4.0										
Middle	6.2	1	23.8	8.0	29.9	6.5	90.9	4.9	3.4										
Bottom	11.4	1	23.8	8.0	30.0	6.5	90.8	5.1	3.0										
		2	23.7	8.0	31.4	6.4	90.9	7.7	2.3										
		2	23.7	8.0	31.4	6.4	91.0	7.6	2.4										
TCE-WQM3A	Fine	Moderate	8:26	5.4	Surface	1.0	1	23.9	8.0	27.4	7.0	96.8	2.0	2.4	7.0	2.9	3.6		
		2	23.9	8.0	27.4	7.0	96.8	2.0	2.6										
Bottom	4.4	1	23.8	8.0	28.2	6.7	93.7	3.8	4.5										
		2	23.9	8.0	28.2	6.7	93.7	3.9	4.7										
TCE-WQM4	Fine	Moderate	8:36	3.8	Surface	1.0	1	23.8	8.0	28.1	6.8	94.4	2.6	3.8	6.8	3.2	4.1		
		2	23.8	8.0	28.1	6.8	94.3	2.6	3.6										
Bottom	2.8	1	23.8	8.0	28.6	6.8	94.6	3.7	4.7										
		2	23.8	8.0	28.6	6.8	94.7	3.8	4.2										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-05-06	Mid-Ebb	TCE-C1	Sunny	Rough	14:51	8.7	Surface	1.0	1	24.1	8.2	31.9	9.3	132.2	1.8	2.5	8.9	3.0	3.1
									2	24.0	8.2	31.9	9.3	132.2	1.9	2.6			
							Middle	4.4	1	23.8	8.2	32.8	8.5	122.0	2.9	3.0			
							Bottom	7.7	1	23.8	8.1	33.1	8.1	116.2	4.4	3.8			
						2	23.8	8.1	33.1	8.1	116.3	4.4	4.0	8.1					
				2	25.7	8.1	26.7	8.8	125.2	2.8	3.6								
		Middle	8.0	1	25.3	8.1	27.9	8.4	119.3	4.9	3.0								
		Bottom	14.9	1	25.3	8.1	27.9	8.4	119.3	4.9	2.6								
						2	24.6	8.0	29.4	7.7	108.7	6.6	2.1	7.6					
				2	24.6	8.0	29.5	7.6	108.5	6.6	2.4								
		Surface	1.0	1	24.8	8.2	28.2	9.5	134.3	1.9	3.4								
				2	24.8	8.2	28.2	9.5	134.3	1.9	3.2								
					1	24.8	8.2	28.4	9.2	130.7	3.5	3.7	9.4	3.4	3.9				
			2	24.8	8.2	28.4	9.2	130.6	3.5	4.0									
	Bottom	9.3	1	24.6	8.2	28.9	8.9	125.8	4.7	4.6									
			2	24.6	8.2	28.9	8.9	125.9	4.7	4.5									
					1	24.9	8.1	28.8	8.1	115.6	1.4	4.8	8.0	1.4	4.2				
			2	24.9	8.1	28.8	8.1	115.6	1.4	5.2									
	Middle	4.0	1	24.6	8.0	28.9	7.9	111.2	1.3	4.3									
	Bottom	6.9	1	24.6	8.0	28.9	7.8	111.2	1.3	3.9									
					2	24.2	8.0	31.3	6.8	97.0	1.6	3.6	6.8						
			2	24.2	8.0	31.4	6.8	97.1	1.6	3.4									
	Surface	1.0	1	25.3	8.1	27.3	8.5	120.3	1.8	3.2									
			2	25.3	8.1	27.3	8.5	120.2	1.8	3.5									
				1	24.4	8.0	29.3	7.7	108.7	1.4	4.5	8.1	1.8	4.3					
		2	24.4	8.0	29.3	7.7	108.8	1.4	4.0										
Middle	5.8	1	24.4	8.0	29.5	7.5	106.2	2.3	5.3										
Bottom	10.6	1	24.4	8.0	29.5	7.5	106.2	2.3	5.0										
				2	24.4	8.0	29.5	7.5	106.2	2.3	5.0	7.5							
		2	24.4	8.0	29.5	7.5	106.2	2.3	5.0										
Surface	1.0	1	24.9	8.1	27.3	8.4	118.8	2.2	2.2										
		2	24.9	8.1	27.3	8.4	118.7	2.2	2.6										
				1	24.7	8.0	28.1	7.8	109.6	2.8	3.9	7.8	2.5	3.1					
		2	24.7	8.0	28.1	7.8	109.7	2.9	3.8										
Surface	1.0	1	25.4	8.1	27.5	9.1	129.8	1.0	2.4										
		2	25.4	8.1	27.5	9.1	129.8	1.0	2.7										
				1	25.0	8.1	28.2	9.3	132.6	3.2	3.9	9.3	2.1	3.1					
		2	25.0	8.1	28.2	9.3	132.6	3.2	3.4										
Bottom	4.3	1	25.0	8.1	28.2	9.3	132.6	3.2	3.4										
		2	25.0	8.1	28.2	9.3	132.6	3.2	3.4										
2022-05-06	Mid-Flood	TCE-C1	Fine	Moderate	9:23	7.4	Surface	1.0	1	24.1	8.2	31.6	9.0	128.1	2.5	1.7	8.6	4.3	2.3
									2	24.1	8.2	31.6	9.0	128.1	2.5	1.9			
							Middle	3.7	1	23.8	8.1	32.9	8.2	117.1	3.4	2.1			
							Bottom	6.4	1	23.8	8.1	32.9	8.2	117.1	3.4	2.4			
						2	23.8	8.1	33.1	8.1	115.1	7.0	2.9	8.1					
				2	23.8	8.1	33.1	8.1	115.2	7.0	2.6								
		Surface	1.0	1	24.3	8.0	29.9	7.3	102.8	1.6	3.8								
				2	24.3	8.0	29.9	7.3	102.8	1.6	3.7								
						1	24.0	8.0	31.9	6.6	93.6	1.3	3.3	6.9	1.7	3.1			
				2	24.0	8.0	31.9	6.6	93.6	1.3	2.9								
		Middle	7.5	1	24.0	8.0	31.9	6.6	93.6	1.3	2.9								
		Bottom	13.9	1	23.9	8.0	33.1	6.3	90.4	2.2	2.3								
						2	23.9	8.0	33.1	6.3	90.4	2.1	2.5	6.3					
				2	23.9	8.0	33.1	6.3	90.4	2.1	2.5								
		Surface	1.0	1	24.7	8.1	28.1	8.4	118.9	3.4	3.4								
				2	24.7	8.1	28.1	8.4	118.9	3.5	3.6								
						1	24.7	8.1	28.1	8.4	118.4	4.7	3.0	8.4	5.8	2.9			
				2	24.7	8.1	28.1	8.4	118.4	4.7	2.7								
		Middle	4.4	1	24.7	8.1	28.1	8.4	118.4	4.7	3.0								
		Bottom	7.7	1	24.6	8.1	28.3	8.1	114.1	9.3	2.1								
						2	24.6	8.1	28.3	8.1	114.2	9.4	2.5	8.1					
				2	24.6	8.1	28.3	8.1	114.2	9.4	2.5								
		Surface	1.0	1	24.9	8.1	26.2	8.2	115.2	4.8	1.5								
				2	24.9	8.1	26.2	8.2	115.2	4.8	1.7								
				1	24.7	8.0	27.1	7.9	111.1	6.1	2.1	8.1	5.6	2.3					
		2	24.7	8.0	27.1	7.9	111.1	6.1	2.4										
Middle	3.3	1	24.7	8.0	27.1	7.9	111.1	6.1	2.4										
Bottom	5.6	1	24.4	8.0	29.3	7.2	101.9	5.8	3.2										
				2	24.3	8.0	29.3	7.2	101.8	5.8	2.8	7.2							
		2	24.3	8.0	29.3	7.2	101.8	5.8	2.8										
Surface	1.0	1	24.5	8.1	28.0	7.8	110.1	1.0	2.1										
		2	24.5	8.1	28.0	7.8	110.0	1.0	2.5										
				1	24.3	8.0	29.6	6.9	96.8	2.0	2.7	7.3	2.5	2.9					
		2	24.3	8.0	29.6	6.9	96.8	2.0	3.0										
Middle	5.4	1	24.3	8.0	29.6	6.9	96.8	2.0	2.7										
Bottom	9.8	1	24.2	8.0	30.6	6.7	95.1	4.5	3.4										
				2	24.2	8.0	30.6	6.7	95.1	4.5	3.7	6.7							
		2	24.2	8.0	30.6	6.7	95.1	4.5	3.7										
Surface	1.0	1	25.1	8.1	25.9	8.1	113.7	1.5	2.5										
		2	25.0	8.1	26.0	8.1	113.7	1.6	2.7										
				1	24.9	8.1	26.3	8.1	113.4	3.3	2.3	8.1	2.4	2.4					
		2	24.9	8.1	26.3	8.1	113.4	3.2	2.1										
Bottom	3.3	1	24.9	8.1	26.3	8.1	113.4	3.3	2.3										
		2	24.9	8.1	26.3	8.1	113.4	3.2	2.1										
				1	24.6	8.1	27.4	8.1	114.1	1.4	1.7	8.1	2.1	2.1					
		2	24.6	8.1	27.4	8.1	114.2	1.4	1.8										
Surface	1.0	1	24.6	8.1	27.4	8.1	114.1	1.4	1.7										
		2	24.6	8.1	27.4	8.1	114.2	1.4	1.8										
				1	24.6	8.1	28.5	8.6	122.1	2.9	2.5	8.6							
		2	24.6	8.1	28.5	8.6	122.1	2.9	2.5										
Bottom	3.1	1	24.6	8.1	28.5	8.6	122.1	2.9	2.5										
		2	24.6	8.1	28.5	8.6	122.1	2.9	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)	
2022-05-09	Mid-Ebb	TCE-C1	Fine	Rough	17:37	7.1	Surface	1.0	1	25.1	8.3	27.2	10.0	140.7	1.2	3.5	10.1	1.8	3.1	
									2	25.1	8.3	27.2	10.0	140.8	1.2	3.7				
							Middle	3.6	1	24.9	8.2	27.9	10.2	143.5	2.2	3.3				
							Bottom	6.1	1	24.8	8.2	27.9	10.2	143.3	2.3	3.1				
				2	24.8	8.2	28.1	9.5	133.8	1.8	2.8									
				2	24.8	8.2	28.1	9.5	133.7	1.9	2.4									
		TCE-C2	Fine	Rough	20:07	13.6	Surface	1.0	1	24.8	8.2	28.4	9.8	138.4	3.4	5.8	9.2	4.4	4.4	
									2	24.8	8.2	28.5	9.8	138.2	3.4	5.6				
							Middle	6.8	1	24.5	8.2	30.3	8.6	122.0	4.2	4.3				
							Bottom	12.6	1	24.5	8.2	30.3	8.5	121.7	4.3	4.8				
				2	24.2	8.1	32.7	7.3	104.3	5.7	2.8									
				2	24.2	8.1	32.7	7.3	104.5	5.6	3.2									
		TCE-WQM1	Fine	Moderate	18:37	9.9	Surface	1.0	1	25.0	8.2	27.5	9.5	134.1	5.3	3.2	8.8	6.6	2.5	
									2	25.0	8.2	27.5	9.5	133.8	5.3	3.4				
							Middle	5.0	1	24.6	8.1	29.7	8.1	114.8	6.5	2.5				
							Bottom	8.9	1	24.6	8.1	29.7	8.1	114.8	6.5	2.1				
				2	24.4	8.0	31.8	6.8	98.1	8.0	1.9									
				2	24.4	8.0	31.8	6.9	98.3	8.1	1.8									
		TCE-WQM2a	Fine	Moderate	19:19	6.5	Surface	1.0	1	24.7	8.2	27.8	9.8	136.6	4.7	2.8	8.4	5.6	2.6	
									2	24.7	8.2	27.8	9.8	136.6	4.7	3.0				
							Middle	3.3	1	24.4	8.0	31.2	7.0	99.6	5.3	2.5				
							Bottom	5.5	1	24.4	8.0	31.2	7.0	99.8	5.3	2.8				
				2	24.2	8.0	33.0	6.9	99.0	6.8	2.4									
				2	24.2	8.0	33.0	6.9	99.2	6.8	2.3									
	TCE-WQM2b	Fine	Rough	19:32	9.7	Surface	1.0	1	24.8	8.2	28.4	9.6	136.4	2.4	3.6	8.5	3.5	3.0		
								2	24.7	8.2	28.4	9.6	136.0	2.4	3.4					
						Middle	4.9	1	24.3	8.1	32.2	7.3	104.7	3.5	2.8					
						Bottom	8.7	1	24.3	8.1	32.1	7.3	104.8	3.5	3.1					
			2	24.1	8.1	33.6	7.0	100.6	4.6	2.3										
			2	24.1	8.1	33.6	7.0	100.6	4.6	2.6										
	TCE-WQM3A	Fine	Moderate	19:06	4.2	Surface	1.0	1	24.4	8.0	31.1	7.0	100.2	1.4	2.6	7.0	1.8	3.1		
								2	24.4	8.0	31.3	7.0	100.5	1.5	2.4					
						Bottom	3.2	1	24.2	8.0	33.0	6.9	98.9	2.2	3.4					
								2	24.2	8.0	33.0	6.9	99.1	2.2	3.8					
	TCE-WQM4	Fine	Moderate	18:51	3.6	Surface	1.0	1	25.0	8.2	27.6	9.2	129.9	5.5	3.8	9.2	6.5	3.6		
								2	24.9	8.2	27.6	9.2	129.6	5.5	3.8					
						Bottom	2.6	1	24.5	8.1	31.0	7.8	111.4	7.6	3.4					
								2	24.5	8.1	31.0	7.8	111.8	7.5	3.2					
	2022-05-09	Mid-Flood	TCE-C1	Fine	Rough	8:28	7.5	Surface	1.0	1	24.9	8.2	27.6	9.9	139.7	4.0	1.7	9.9	3.1	2.3
										2	24.9	8.2	27.5	9.9	139.9	4.1	1.9			
								Middle	3.8	1	24.8	8.2	27.8	9.9	139.4	2.9	2.1			
								Bottom	6.5	1	24.8	8.2	27.9	9.8	139.0	2.9	2.4			
					2	24.9	8.2	27.6	9.7	137.2	2.4	2.7								
					2	24.9	8.2	27.7	9.7	137.0	2.4	2.9								
			TCE-C2	Fine	Moderate	6:26	14.8	Surface	1.0	1	24.4	8.2	31.0	9.0	128.0	1.1	2.4	8.6	2.3	3.1
										2	24.4	8.2	31.0	8.9	127.7	1.1	2.2			
								Middle	7.4	1	24.2	8.2	32.8	8.3	118.7	1.6	3.0			
								Bottom	13.8	1	24.2	8.2	32.8	8.2	118.6	1.5	3.3			
				2	24.1	8.1	33.6	7.6	109.9	4.2	3.6									
				2	24.1	8.2	33.6	7.6	110.1	4.2	4.0									
TCE-WQM1			Fine	Calm	7:51	10.4	Surface	1.0	1	25.0	8.2	27.0	9.5	133.3	3.5	4.0	8.7	5.2	3.0	
									2	25.0	8.2	27.0	9.4	133.0	3.4	3.6				
							Middle	5.2	1	24.4	8.1	29.5	8.0	112.9	5.6	3.0				
							Bottom	9.4	1	24.4	8.1	29.5	8.0	112.8	5.6	2.5				
				2	24.3	8.1	30.2	7.5	106.7	6.6	2.2									
				2	24.3	8.1	30.2	7.5	106.8	6.6	2.4									
TCE-WQM2a			Fine	Moderate	7:15	7.7	Surface	1.0	1	24.7	8.2	28.9	8.8	124.4	2.6	3.0	8.5	4.8	2.7	
									2	24.7	8.2	28.9	8.8	124.4	2.6	3.3				
							Middle	3.9	1	24.3	8.1	31.7	8.2	117.9	4.9	2.7				
							Bottom	6.7	1	24.3	8.1	31.7	8.2	117.8	4.9	2.6				
				2	24.2	8.1	32.0	7.6	108.4	6.8	2.1									
				2	24.2	8.1	32.0	7.6	108.5	6.8	2.5									
TCE-WQM2b		Fine	Moderate	6:57	10.8	Surface	1.0	1	24.4	8.2	31.0	9.0	127.4	1.2	2.2	8.5	3.1	2.9		
								2	24.4	8.2	30.9	9.0	127.6	1.2	2.5					
						Middle	5.4	1	24.2	8.1	32.9	8.1	116.1	2.1	3.0					
						Bottom	9.8	1	24.2	8.1	32.9	8.1	115.9	2.0	2.8					
			2	24.1	8.1	33.5	7.4	106.6	5.9	3.6										
			2	24.1	8.1	33.5	7.4	106.6	5.9	3.4										
TCE-WQM3A		Fine	Moderate	7:26	4.9	Surface	1.0	1	24.3	8.2	31.6	8.4	120.1	1.8	2.3	8.4	3.3	3.1		
								2	24.3	8.2	31.6	8.4	120.0	1.8	2.8					
						Bottom	3.9	1	24.2	8.1	31.9	7.8	111.0	4.9	3.7					
								2	24.2	8.1	31.9	7.8	111.1	4.8	3.4					
TCE-WQM4		Fine	Calm	7:36	4.1	Surface	1.0	1	24.4	8.1	29.6	7.9	111.3	2.8	2.3	7.9	3.1	2.7		
								2	24.3	8.1	29.7	7.9	111.2	2.9	2.6					
						Bottom	3.1	1	24.3	8.1	30.2	7.5	106.2	3.3	2.7					
								2	24.3	8.1	30.2	7.5	106.2	3.3	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)
2022-05-11	Mid-Ebb	TCE-C1	Rainy	Moderate	11:25	8.4	Surface	1.0	1	25.3	7.9	22.7	7.6	105.6	3.7	1.8	7.3	5.4	2.2
									2	25.3	7.9	22.8	7.6	105.5	3.7	1.6			
							Middle	4.2	1	24.8	7.9	29.9	6.9	98.6	5.0	2.1			
							Bottom	7.4	1	24.8	7.9	30.0	6.9	98.4	5.2	2.3			
				2	24.8	7.9	30.4	6.8	97.1	7.6	2.7								
				2	24.8	7.8	30.4	6.8	97.2	7.5	2.5								
		TCE-C2	Rainy	Moderate	9:23	13.1	Surface	1.0	1	25.1	8.1	28.0	7.3	104.4	2.6	1.9	6.8	2.8	2.2
									2	25.1	8.1	27.9	7.3	103.9	2.6	1.5			
							Middle	6.6	1	24.7	8.0	30.7	6.3	90.6	2.9	2.1			
							Bottom	12.1	1	24.7	8.0	30.8	6.3	90.7	2.9	2.4			
				2	24.8	8.0	31.1	6.4	92.4	2.9	2.9								
				2	24.8	8.0	31.1	6.4	92.4	2.8	2.5								
	TCE-WQM1	Rainy	Moderate	10:43	8.2	Surface	1.0	1	25.4	7.9	21.6	7.3	100.5	3.8	2.7	7.1	4.3	2.2	
								2	25.4	7.9	21.7	7.3	100.1	3.9	2.5				
						Middle	4.1	1	25.3	7.9	27.3	6.9	98.5	4.1	2.2				
						Bottom	7.2	1	25.3	7.9	27.4	6.9	98.4	4.1	2.1				
			2	25.3	7.9	27.7	6.9	98.2	4.8	1.6									
			2	25.3	7.9	27.7	6.9	98.2	4.9	1.8									
	TCE-WQM2a	Rainy	Moderate	10:07	7.5	Surface	1.0	1	25.3	8.0	25.9	7.6	106.5	2.9	2.9	7.3	2.9	2.8	
								2	25.3	8.0	25.9	7.6	106.5	2.9	3.4				
						Middle	3.8	1	25.0	8.0	28.6	7.1	101.2	2.8	2.6				
						Bottom	6.5	1	25.0	8.0	28.6	7.1	101.2	2.7	2.8				
			2	24.9	8.0	29.5	6.8	97.0	3.1	2.5									
			2	24.9	8.0	29.5	6.8	97.1	3.0	2.3									
TCE-WQM2b	Rainy	Moderate	9:55	11.3	Surface	1.0	1	25.4	8.0	21.9	7.8	107.5	3.1	2.3	7.8	4.5	2.6		
							2	25.4	8.0	21.9	7.8	107.7	3.1	2.1					
					Middle	5.7	1	25.3	8.0	24.4	7.8	108.6	3.8	2.7					
					Bottom	10.3	1	25.3	8.0	24.4	7.8	108.4	4.3	2.5					
		2	25.0	7.8	26.9	6.9	96.7	6.6	3.1										
		2	25.0	7.8	27.0	6.6	93.8	6.3	2.8										
TCE-WQM3A	Rainy	Moderate	10:18	4.2	Surface	1.0	1	25.2	7.9	26.5	7.2	102.1	9.7	3.0	7.2	10.8	2.2		
							2	25.2	7.9	26.6	7.2	102.1	9.9	2.6					
					Bottom	3.2	1	25.2	7.9	27.0	7.2	102.0	11.6	1.6					
		2	25.1	7.9	27.1	7.2	101.8	12.0	1.4										
TCE-WQM4	Rainy	Moderate	10:29	3.5	Surface	1.0	1	25.4	8.0	25.0	7.4	103.3	3.2	1.2	7.3	3.3	2.0		
							2	25.4	8.0	25.1	7.3	103.1	3.2	1.5					
					Bottom	2.5	1	25.4	8.0	25.2	7.4	104.2	3.3	2.4					
		2	25.4	8.0	25.2	7.4	104.3	3.5	2.8										
2022-05-11	Mid-Flood	TCE-C1	Rainy	Moderate	13:30	8.5	Surface	1.0	1	25.3	8.0	22.7	7.6	105.3	0.7	2.1	7.3	2.6	2.7
									2	25.2	8.0	22.6	7.6	105.2	0.7	2.4			
							Middle	4.3	1	24.8	8.0	29.8	6.9	98.5	3.6	2.7			
							Bottom	7.5	1	24.8	8.0	29.8	6.9	98.4	3.7	2.7			
				2	24.8	8.0	30.1	6.9	98.5	3.4	3.0								
				2	24.8	8.0	30.0	6.9	98.6	3.4	3.5								
		TCE-C2	Rainy	Moderate	15:28	13.6	Surface	1.0	1	25.4	8.0	23.1	7.6	105.8	0.5	1.6	7.5	0.5	2.4
									2	25.4	8.0	23.2	7.6	105.7	0.6	1.9			
							Middle	6.8	1	25.2	8.0	26.8	7.3	103.3	0.5	2.6			
							Bottom	12.6	1	25.2	8.0	26.8	7.3	103.2	0.5	2.4			
				2	24.8	7.9	30.3	6.5	92.9	0.5	3.2								
				2	24.9	7.9	30.3	6.5	93.0	0.5	2.9								
	TCE-WQM1	Rainy	Moderate	14:16	7.6	Surface	1.0	1	25.4	8.0	25.0	7.1	100.2	0.9	2.4	7.1	2.3	2.8	
								2	25.4	8.0	24.8	7.2	100.3	1.1	2.1				
						Middle	3.8	1	25.4	8.0	27.2	7.1	100.5	0.7	2.7				
						Bottom	6.6	1	25.4	8.0	27.2	7.1	100.3	0.7	2.9				
			2	25.3	7.9	27.8	6.7	95.0	5.1	3.2									
			2	25.3	7.9	27.8	6.7	95.1	5.2	3.2									
	TCE-WQM2a	Rainy	Moderate	14:46	7.8	Surface	1.0	1	25.3	8.1	25.0	7.5	104.5	0.5	2.1	7.3	4.2	2.8	
								2	25.3	8.1	25.0	7.5	104.5	0.6	2.3				
						Middle	3.9	1	25.3	8.1	25.9	7.2	102.0	0.3	2.6				
						Bottom	6.8	1	25.3	8.1	25.9	7.2	101.9	0.3	2.8				
			2	25.2	8.0	27.8	7.0	99.8	11.3	3.7									
			2	25.2	8.0	27.6	7.1	100.1	12.0	3.3									
TCE-WQM2b	Rainy	Moderate	15:01	11.6	Surface	1.0	1	25.4	7.9	22.7	7.4	102.4	0.6	2.6	7.1	1.6	2.2		
							2	25.4	7.9	22.7	7.4	102.4	0.6	3.0					
					Middle	5.8	1	25.1	7.9	27.1	6.9	97.2	1.9	2.4					
					Bottom	10.6	1	25.0	7.9	27.1	6.9	97.0	2.1	2.2					
		2	25.0	7.8	29.9	6.2	88.7	2.3	1.5										
		2	25.0	7.8	29.9	6.2	88.7	2.3	1.6										
TCE-WQM3A	Rainy	Moderate	14:39	4.2	Surface	1.0	1	25.2	8.0	26.9	7.1	100.1	1.3	2.1	7.1	3.2	1.9		
							2	25.2	8.0	27.0	7.1	99.9	1.4	2.3					
					Bottom	3.2	1	25.2	8.0	27.3	7.0	99.5	5.0	1.8					
		2	25.2	8.0	27.2	7.0	99.7	5.1	1.5										
TCE-WQM4	Rainy	Moderate	14:28	3.7	Surface	1.0	1	25.5	8.1	23.7	7.4	103.5	0.5	1.5	7.4	1.3	2.0		
							2	25.5	8.1	23.7	7.4	103.5	0.5	1.2					
					Bottom	2.7	1	25.4	8.0	25.3	7.3	102.4	2.0	2.4					
		2	25.4	8.0	25.3	7.4	102.4	2.3	2.9										

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)
2022-05-13	Mid-Ebb	TCE-C1	Rainy	Moderate	12:51	10.2	Surface	1.0	1	24.9	8.1	19.2	6.4	85.9	3.1	2.7	6.0	4.1	2.3
									2	24.9	8.1	19.3	6.3	85.6	3.2	2.9			
							Middle	5.1	1	24.9	8.1	27.3	5.7	80.5	4.1	2.1			
							Bottom	9.2	1	24.9	8.1	27.0	5.7	80.5	4.1	2.4			
				2	24.9	8.1	27.4	6.3	88.8	5.0	1.9								
				2	24.9	8.1	27.4	6.4	90.1	5.0	1.6								
		TCE-C2	Rainy	Moderate	10:54	11.4	Surface	1.0	1	25.0	7.7	17.4	6.8	90.2	1.0	1.8	6.7	1.2	2.4
				2	25.0	7.7	17.4	6.7	90.0	1.0	1.7								
		Middle	5.7	1	25.0	7.7	18.9	6.6	89.1	1.2	2.2								
		Bottom	10.4	1	25.0	7.7	18.9	6.6	89.1	1.1	2.5								
				2	25.0	7.7	22.6	6.5	90.0	1.5	3.3								
				2	25.0	7.6	22.6	6.6	90.4	1.6	3.0								
	TCE-WQM1	Rainy	Moderate	12:14	8.2	Surface	1.0	1	25.1	8.0	17.3	6.4	85.1	1.6	2.8	6.4	2.5	3.3	
			2	25.1	8.0	17.4	6.4	85.3	1.6	3.1									
	Middle	4.1	1	25.1	8.0	17.7	6.4	86.3	2.3	3.3									
	Bottom	7.2	1	25.1	8.0	17.9	6.4	86.4	2.3	3.2									
			2	25.1	7.9	19.4	6.5	87.8	3.4	3.8									
			2	25.1	7.9	19.3	6.5	88.1	3.5	3.5									
	TCE-WQM2a	Rainy	Moderate	11:42	6.0	Surface	1.0	1	25.1	8.0	17.6	6.6	89.0	1.4	1.2	6.6	1.6	1.8	
			2	25.1	8.0	17.6	6.6	89.0	1.4	1.4									
	Middle	3.0	1	25.1	7.9	17.7	6.6	88.8	1.6	1.9									
	Bottom	5.0	1	25.1	7.9	17.7	6.6	88.8	1.6	1.7									
			2	25.3	7.9	19.9	6.5	88.9	1.7	2.5									
			2	25.4	7.9	19.8	6.5	89.1	1.7	2.3									
TCE-WQM2b	Rainy	Moderate	11:26	10.0	Surface	1.0	1	25.0	7.9	17.0	6.7	89.3	1.4	2.6	6.6	2.9	2.2		
		2	25.0	7.9	17.0	6.7	89.2	1.4	3.0										
Middle	5.0	1	24.9	7.9	17.2	6.6	88.3	3.1	2.2										
Bottom	9.0	1	24.9	7.9	17.2	6.6	87.9	3.2	2.5										
		2	25.0	7.9	28.8	5.9	84.1	4.2	1.5										
		2	25.0	7.9	28.8	5.9	84.3	4.2	1.6										
TCE-WQM3A	Rainy	Moderate	11:52	4.0	Surface	1.0	1	25.1	7.9	16.7	6.3	84.9	1.5	5.9	6.4	1.8	5.6		
		2	25.1	7.9	17.6	6.4	85.2	1.5	6.2										
Bottom	3.0	1	25.2	7.9	20.4	6.4	87.5	2.1	5.0										
		2	25.2	7.9	20.4	6.5	87.9	2.0	5.4										
TCE-WQM4	Rainy	Moderate	12:02	3.4	Surface	1.0	1	25.1	8.0	16.1	6.8	90.7	2.1	3.4	6.8	2.6	3.1		
		2	25.1	8.0	16.0	6.8	90.5	2.1	3.6										
Bottom	2.4	1	25.1	7.9	17.2	6.9	92.0	3.1	2.5										
		2	25.1	7.9	17.1	6.9	92.7	3.1	2.7										
2022-05-13	Mid-Flood	TCE-C1	Rainy	Moderate	15:31	10.4	Surface	1.0	1	25.1	8.2	17.6	6.5	87.5	2.0	2.5	6.5	3.0	3.0
									2	25.0	8.2	17.6	6.5	87.2	1.9	2.7			
							Middle	5.2	1	25.0	8.2	19.8	6.4	86.8	3.1	2.9			
							Bottom	9.4	1	25.0	8.1	20.1	6.4	87.0	3.2	3.1			
				2	25.0	8.1	26.9	6.4	89.5	4.0	3.7								
				2	25.0	8.1	26.8	6.4	90.7	4.0	3.3								
		TCE-C2	Rainy	Moderate	17:17	12.0	Surface	1.0	1	25.2	8.2	15.8	7.2	95.7	1.5	1.6	6.9	2.4	2.3
				2	25.2	8.2	15.9	7.2	95.1	1.5	1.9								
		Middle	6.0	1	25.1	8.2	20.1	6.7	90.5	2.5	2.4								
		Bottom	11.0	1	25.1	8.2	20.2	6.7	90.7	2.5	2.4								
				2	25.1	8.2	22.9	6.7	92.3	3.1	2.7								
				2	25.1	8.2	22.5	6.8	93.2	3.2	2.8								
	TCE-WQM1	Rainy	Moderate	16:12	6.8	Surface	1.0	1	25.2	8.2	15.7	6.8	90.7	1.2	3.9	6.6	2.2	3.2	
			2	25.2	8.2	15.5	6.8	90.1	1.1	3.5									
	Middle	3.4	1	25.1	8.2	16.9	6.4	85.1	2.2	3.2									
	Bottom	5.8	1	25.1	8.1	16.9	6.4	85.0	2.2	3.3									
			2	25.2	8.2	18.2	6.3	84.6	3.1	2.8									
			2	25.2	8.1	18.2	6.3	84.6	3.2	2.5									
	TCE-WQM2a	Rainy	Moderate	16:43	6.4	Surface	1.0	1	25.3	8.2	17.3	6.9	92.5	1.3	3.9	6.9	2.6	2.9	
			2	25.3	8.2	17.3	6.9	92.5	1.3	3.4									
	Middle	3.2	1	25.3	8.2	17.6	6.9	92.6	2.9	2.9									
	Bottom	5.4	1	25.3	8.2	17.7	6.9	92.7	2.8	2.6									
			2	25.3	8.2	17.7	6.9	92.7	3.5	2.2									
			2	25.3	8.2	17.7	6.9	92.7	3.6	2.4									
TCE-WQM2b	Rainy	Moderate	16:53	9.2	Surface	1.0	1	25.4	8.2	14.9	7.2	95.2	1.8	2.9	7.0	3.7	2.4		
		2	25.4	8.2	15.0	7.2	94.9	1.8	3.3										
Middle	4.6	1	25.1	8.2	16.5	6.8	90.4	4.2	2.6										
Bottom	8.2	1	25.1	8.2	16.5	6.7	89.4	4.2	2.2										
		2	25.1	8.1	28.1	6.0	85.9	5.1	1.9										
		2	25.1	8.1	28.1	6.2	87.8	5.1	1.5										
TCE-WQM3A	Rainy	Moderate	16:34	3.6	Surface	1.0	1	25.3	8.2	16.2	6.8	90.6	1.2	5.8	6.8	1.7	6.0		
		2	25.3	8.2	16.2	6.8	90.5	1.2	5.4										
Bottom	2.6	1	25.3	8.2	18.7	6.8	91.9	2.2	6.2										
		2	25.3	8.2	18.6	6.9	93.0	2.2	6.5										
TCE-WQM4	Rainy	Moderate	16:25	3.6	Surface	1.0	1	25.4	8.2	16.4	6.7	90.0	2.1	2.1	6.7	2.6	2.5		
		2	25.4	8.2	16.3	6.7	89.9	2.2	2.4										
Bottom	2.6	1	25.3	8.1	17.7	6.7	90.6	3.1	2.6										
		2	25.4	8.2	17.6	6.8	92.0	3.2	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)
2022-05-16	Mid-Ebb	TCE-C1	Rainy	Moderate	11:19	8.4	Surface	1.0	1	24.3	8.0	21.7	6.3	85.2	4.3	3.0	6.2	5.6	3.5
									2	24.4	8.0	21.7	6.3	85.1	4.6	2.6			
							Middle	4.2	1	24.5	8.0	29.7	6.1	86.0	6.5	3.7			
							Bottom	7.4	1	24.5	8.0	29.8	6.1	86.2	6.4	3.5			
				2	24.5	8.0	30.4	6.1	87.4	6.0	4.2								
				2	24.5	8.0	30.4	6.1	87.6	6.0	4.0								
		TCE-C2	Rainy	Moderate	13:11	13.8	Surface	1.0	1	24.7	8.0	22.4	6.0	82.1	2.6	3.6	5.9	6.0	3.2
				2	24.7	8.0	22.5	6.0	82.1	2.8	3.6								
		Middle	6.9	1	24.7	7.9	24.2	5.9	80.8	5.7	3.1								
		Bottom	12.8	1	24.7	7.9	24.3	5.8	80.7	6.1	3.3								
				2	24.7	8.0	29.2	5.7	81.4	9.7	2.5								
				2	24.7	7.9	29.2	5.8	81.7	9.2	2.9								
	TCE-WQM1	Rainy	Moderate	12:09	8.5	Surface	1.0	1	24.4	8.0	22.9	6.1	83.5	4.4	4.2	6.1	5.5	4.8	
			2	24.4	8.0	22.9	6.1	83.5	4.5	4.1									
	Middle	4.3	1	24.3	8.0	23.1	6.2	83.9	5.9	4.5									
	Bottom	7.5	1	24.3	8.0	23.1	6.2	84.0	6.0	4.9									
			2	24.3	8.0	23.1	6.3	85.8	6.1	5.2									
			2	24.3	8.0	23.1	6.3	86.0	6.1	5.7									
	TCE-WQM2a	Rainy	Moderate	12:40	7.8	Surface	1.0	1	24.7	7.8	23.9	6.2	85.1	2.8	3.4	6.1	3.2	4.1	
			2	24.7	7.8	23.9	6.2	85.1	2.8	3.8									
	Middle	3.9	1	24.7	7.8	24.4	6.0	83.3	3.0	4.1									
	Bottom	6.8	1	24.7	7.8	24.4	6.0	83.3	3.0	4.1									
			2	24.7	7.9	28.0	5.9	82.4	3.9	4.5									
			2	24.6	7.9	28.0	5.9	82.7	4.0	4.9									
TCE-WQM2b	Rainy	Moderate	12:52	11.5	Surface	1.0	1	24.6	7.9	20.5	6.0	81.6	2.1	2.5	5.9	5.4	2.8		
		2	24.6	7.8	20.5	6.0	81.4	2.5	2.5										
Middle	5.8	1	24.7	7.8	24.0	5.8	80.2	6.6	2.8										
Bottom	10.5	1	24.6	7.8	24.3	5.9	81.4	7.6	3.5										
		2	24.6	7.9	24.3	5.9	81.6	7.3	3.1										
TCE-WQM3A	Rainy	Moderate	12:29	4.4	Surface	1.0	1	24.7	8.1	21.5	6.3	85.6	4.9	3.4	6.3	5.0	3.9		
		2	24.7	8.1	21.5	6.3	85.6	5.1	3.7										
Bottom	3.4	1	24.6	8.1	23.9	5.9	80.6	5.1	4.1										
		2	24.6	8.1	23.9	5.9	81.1	5.2	4.3										
TCE-WQM4	Rainy	Moderate	12:20	3.4	Surface	1.0	1	24.4	8.1	21.3	6.2	83.6	1.4	2.3	6.2	3.9	3.0		
		2	24.4	8.0	21.3	6.2	83.6	1.4	2.7										
Bottom	2.4	1	24.5	8.0	22.0	6.3	85.4	6.5	3.3										
		2	24.5	8.0	22.0	6.3	85.4	6.5	3.6										
2022-05-16	Mid-Flood	TCE-C1	Rainy	Moderate	7:48	8.1	Surface	1.0	1	24.5	8.1	22.0	6.2	84.2	5.1	3.1	6.1	7.6	3.9
									2	24.5	8.1	22.0	6.2	84.1	5.3	3.2			
							Middle	4.1	1	24.6	8.1	30.0	6.0	84.8	8.2	3.6			
							Bottom	7.1	1	24.5	8.1	30.1	6.0	84.9	8.3	4.0			
				2	24.5	8.1	30.4	6.0	85.2	9.2	4.6								
				2	24.5	8.1	30.4	6.0	85.2	9.5	4.9								
		TCE-C2	Rainy	Moderate	5:55	13.9	Surface	1.0	1	24.4	7.9	27.9	6.0	84.0	1.2	2.6	5.8	3.5	2.2
				2	24.4	7.9	27.9	6.0	84.1	1.2	2.6								
		Middle	7.0	1	24.7	7.9	29.4	5.6	79.7	3.6	2.1								
		Bottom	12.9	1	24.7	7.9	29.5	5.6	79.7	3.8	2.4								
				2	24.7	7.8	29.9	5.6	80.1	5.6	1.5								
				2	24.7	7.8	29.9	5.6	80.2	5.6	1.7								
	TCE-WQM1	Rainy	Moderate	7:07	8.7	Surface	1.0	1	24.7	8.2	22.6	5.9	80.8	4.1	2.8	5.9	5.0	4.4	
			2	24.7	8.2	22.6	5.9	80.8	4.1	3.2									
	Middle	4.4	1	24.6	8.2	22.7	5.9	81.0	5.0	4.1									
	Bottom	7.7	1	24.6	8.2	22.7	5.9	81.0	5.1	4.4									
			2	24.6	8.2	22.8	6.0	81.8	6.1	5.9									
			2	24.6	8.2	22.8	6.0	81.9	5.9	5.8									
	TCE-WQM2a	Rainy	Moderate	6:34	7.4	Surface	1.0	1	24.7	7.9	24.2	6.3	87.2	1.3	3.2	6.0	2.3	2.8	
			2	24.7	7.9	24.2	6.3	87.2	1.3	3.6									
	Middle	3.7	1	24.8	7.9	26.0	5.8	81.2	1.8	2.5									
	Bottom	6.4	1	24.8	7.9	26.1	5.8	81.2	1.9	2.8									
			2	24.8	7.9	27.0	5.7	80.6	3.8	2.1									
			2	24.8	7.9	27.0	5.8	80.8	3.9	2.3									
TCE-WQM2b	Rainy	Moderate	6:22	11.4	Surface	1.0	1	24.8	8.0	25.0	6.2	86.6	3.1	3.4	6.1	7.5	2.9		
		2	24.8	8.0	25.0	6.2	86.6	3.5	3.2										
Middle	5.7	1	24.8	8.0	28.0	6.0	84.6	8.7	2.8										
Bottom	10.4	1	24.8	8.0	28.0	6.0	84.6	8.8	3.0										
		2	24.8	8.0	28.2	5.7	80.4	10.3	2.7										
		2	24.8	8.0	28.2	5.7	80.6	10.3	2.5										
TCE-WQM3A	Rainy	Moderate	6:45	4.6	Surface	1.0	1	24.5	7.8	20.6	6.0	80.7	3.8	2.9	6.0	5.0	2.5		
		2	24.5	7.8	20.7	6.0	80.6	3.9	2.6										
Bottom	3.6	1	24.6	7.8	21.3	6.0	80.8	6.0	2.5										
		2	24.6	7.8	21.3	6.0	80.8	6.5	2.1										
TCE-WQM4	Rainy	Moderate	6:55	3.6	Surface	1.0	1	24.5	7.8	21.8	6.1	83.0	2.0	2.5	6.1	2.8	2.8		
		2	24.5	7.8	21.9	6.1	83.1	2.1	2.4										
Bottom	2.6	1	24.5	7.8	22.1	6.2	84.0	3.5	3.2										
		2	24.5	7.8	22.1	6.2	84.1	3.5	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)
2022-05-18	Mid-Ebb	TCE-C1	Fine	Moderate	12:47	8.6	Surface	1.0	1	24.5	8.0	25.5	6.5	89.5	3.7	5.6	6.4	9.0	4.6
									2	24.5	8.0	25.5	6.5	89.5	4.0	5.0			
							Middle	4.3	1	24.5	8.0	29.6	6.3	88.8	10.0	4.8			
							Bottom	7.6	1	24.5	8.0	29.6	6.3	88.8	10.3	4.5			
						2	24.6	8.0	30.0	6.3	89.0	12.8	3.8	6.3					
				2	24.6	8.0	30.0	6.3	89.0	13.0	4.1								
		Surface	1.0	1	24.9	8.1	24.0	6.4	88.5	1.2	3.9								
				2	24.8	8.1	24.0	6.4	88.4	1.2	4.2								
						1	24.7	8.1	27.9	5.8	81.6	1.8	3.5	6.1	1.9	3.6			
		Middle	6.7	1	24.7	8.1	27.9	5.8	81.6	1.9	3.6								
				2	24.7	8.1	27.9	5.8	81.6	1.9	3.6								
		Bottom	12.4	1	24.6	8.2	29.5	5.7	81.5	2.6	3.4								
						2	24.6	8.2	29.5	5.7	81.5	2.6	3.1	5.7					
				2	24.6	8.2	29.5	5.7	81.5	2.6	3.1								
		Surface	1.0	1	24.7	8.1	24.3	6.1	84.9	4.3	5.5								
				2	24.7	8.1	24.3	6.1	84.9	4.5	5.9								
						1	24.7	8.1	25.1	6.1	84.8	6.6	6.4	6.1	6.2	6.4			
		Middle	4.4	1	24.7	8.1	25.2	6.1	84.8	6.7	6.8								
				2	24.7	8.1	25.2	6.1	84.8	6.7	6.8								
		Bottom	7.7	1	24.7	8.1	25.4	6.1	85.3	7.6	6.7								
						2	24.7	8.1	25.4	6.1	85.4	7.5	7.0	6.1					
				2	24.7	8.1	25.4	6.1	85.4	7.5	7.0								
		Surface	1.0	1	24.7	7.9	24.0	6.0	82.8	3.2	3.8								
				2	24.7	7.9	24.0	6.0	82.8	3.2	4.0								
					1	24.6	7.9	25.7	5.9	81.3	2.0	4.6	5.9	2.7	5.1				
	Middle	3.6	1	24.6	7.9	25.7	5.9	81.3	2.0	4.6									
			2	24.6	7.9	25.6	5.8	81.2	2.1	4.7									
	Bottom	6.2	1	24.6	7.9	28.2	5.8	81.1	2.7	6.8									
					2	24.6	7.9	28.2	5.8	81.2	2.7	6.4	5.8						
			2	24.6	7.9	28.2	5.8	81.2	2.7	6.4									
	Surface	1.0	1	25.0	7.9	24.5	6.2	85.5	2.8	4.3									
			2	25.0	7.9	24.5	6.2	85.5	2.8	4.2									
					1	24.7	7.9	25.1	5.9	81.5	2.9	4.4	6.0	5.9	4.6				
	Middle	6.4	1	24.7	7.9	25.1	5.9	81.5	2.9	4.4									
			2	24.7	7.9	25.1	5.9	81.4	2.9	4.7									
	Bottom	11.8	1	24.7	7.8	26.5	5.7	80.3	11.7	5.3									
					2	24.7	7.8	26.5	5.8	80.4	12.5	4.9	5.7						
			2	24.7	7.8	26.5	5.8	80.4	12.5	4.9									
	Surface	1.0	1	24.7	8.0	22.7	5.9	80.9	4.3	5.4									
			2	24.7	8.0	22.7	5.9	81.0	4.3	5.6									
					1	24.7	8.0	22.9	5.9	81.5	4.7	6.0	5.9	4.5	5.8				
	Middle	4.2	1	24.7	8.0	22.9	5.9	81.5	4.7	6.0									
			2	24.7	8.0	22.9	6.0	81.6	4.7	6.2									
	Bottom	4.2	1	24.7	8.0	22.9	6.0	81.6	4.7	6.2									
					2	24.7	8.0	22.9	6.0	81.6	4.7	6.2	5.9						
			2	24.7	8.0	22.9	6.0	81.6	4.7	6.2									
	Surface	1.0	1	24.7	8.0	23.0	6.3	86.5	1.8	6.0									
			2	24.7	8.0	23.0	6.3	86.5	1.9	6.4									
				1	24.7	8.0	23.1	6.3	86.3	2.0	4.9	6.3	1.9	5.7					
Middle	2.9	1	24.7	8.0	23.1	6.3	86.3	2.0	4.9										
		2	24.7	8.0	23.1	6.3	86.3	2.0	5.3										
Bottom	2.9	1	24.7	8.0	23.1	6.3	86.3	2.0	4.9										
				2	24.7	8.0	23.1	6.3	86.3	2.0	5.3	6.3							
		2	24.7	8.0	23.1	6.3	86.3	2.0	5.3										
Surface	1.0	1	24.4	8.0	24.2	6.5	88.8	3.3	5.5										
		2	24.4	8.0	24.1	6.5	88.8	3.5	5.8										
				1	24.6	8.0	29.4	6.2	88.6	6.0	4.6	6.4	6.1	4.7					
Middle	4.2	1	24.6	8.0	29.4	6.2	88.6	6.0	4.6										
		2	24.6	8.0	29.5	6.2	88.6	5.2	4.2										
Bottom	7.4	1	24.5	8.0	30.1	6.2	88.8	9.5	3.8										
				2	24.5	8.0	30.1	6.2	88.8	9.0	4.1	6.2							
		2	24.5	8.0	30.1	6.2	88.8	9.0	4.1										
Surface	1.0	1	24.5	8.0	25.2	5.8	80.8	5.3	4.3										
		2	24.5	8.0	25.2	5.8	80.5	6.6	4.7										
				1	24.6	8.0	28.9	5.6	79.5	8.8	5.2	5.7	8.2	5.5					
Middle	6.6	1	24.6	8.0	28.9	5.6	79.5	8.8	5.6										
		2	24.6	8.0	28.9	5.6	79.5	8.8	5.6										
Bottom	12.1	1	24.6	8.0	28.9	5.6	79.6	10.7	6.3										
				2	24.6	8.0	28.9	5.6	79.6	8.9	6.7	5.6							
		2	24.6	8.0	28.9	5.6	79.6	8.9	6.7										
Surface	1.0	1	24.5	8.0	23.1	6.0	82.3	3.7	3.0										
		2	24.5	8.0	23.1	6.0	82.3	3.7	3.0										
				1	24.5	8.0	23.2	6.0	82.1	4.6	3.3	6.0	4.5	3.5					
Middle	4.2	1	24.5	8.0	23.2	6.0	82.1	4.6	3.3										
		2	24.5	8.0	23.2	6.0	82.1	4.8	3.5										
Bottom	7.4	1	24.5	8.0	23.2	6.0	82.5	5.0	3.9										
				2	24.5	8.0	23.2	6.0	82.7	5.1	4.3	6.0							
		2	24.5	8.0	23.2	6.0	82.7	5.1	4.3										
Surface	1.0	1	24.6	8.0	22.7	6.0	81.2	1.9	4.1										
		2	24.6	8.0	22.7	6.0	81.2	1.9	4.5										
				1	24.7	8.0	23.2	5.9	80.1	2.8	3.7	5.9	3.0	3.8					
Middle	4.1	1	24.7	8.0	23.2	5.9	80.1	2.8	3.7										
		2	24.7	8.0	23.2	5.9	80.1	3.0	3.9										
Bottom	7.1	1	24.7	8.0	25.1	5.7	79.6	4.3	3.5										
				2	24.7	8.0	25.2	5.7	79.8	4.2	3.3	5.7							
		2	24.7	8.0	25.2	5.7	79.8	4.2	3.3										
Surface	1.0	1	24.6	7.9	24.0	6.0	82.7	3.6	3.9										
		2	24.6	7.9	24.0	6.0	82.7	3.9	4.2										
				1	24.6	7.9	24.5	6.1	83.5	7.2	4.5	6.0	6.3	4.7					
Middle	6.0	1	24.6	7.9	24.5	6.1	83.5	7.2	4.5										
		2	24.6	7.9	24.6	6.1	83.7	7.5	4.9										
Bottom	11.0	1	24.5	7.9	24.6	6.2	85.8	8.0	5.2										
				2	24.5	7.9	24.6	6.2	86.0	7.8	5.5	6.2							
		2	24.5	7.9	24.6	6.2	86.0	7.8	5.5										
Surface	1.0	1	24.5	7.9	22.3	6.0	81.1	2.2	4.6										
		2	24.5	7.9	22.3	6.0	81.0	2.2	4.9										
				1	24.5	8.0	22.4	5.9	80.6	2.2	3.7	5.9	2.2	4.2					
Middle	3.6	1	24.5	8.0	22.4	5.9	80.6	2.2	3.7										
		2	24.5	8.0	22.4	5.9	80.7	2.3	3.4										
Bottom	3.6	1	24.5	8.0	22.4	5.9	80.7	2.3	3.4										
				2	24.5	8.0	22.4	5.9	80.7	2.3	3.4	6.0	6.7	4.5					
		2	24.5	8.0	22.4	5.9	80.7	2.3	3.4										
Surface	1.0	1	24.5	8.0	22.7	6.0	82.0	2.7	5.0										
		2	24.5	8.0	22.6	6.0	82.1	2.8	4.6										
				1	24.5	8.0	23.0	6.0	82.2	10.4	4.4	6.0							
Middle	2.6	1	24.5	8.0	23.0	6.0	82.2	10.4	4.4										
		2	24.5	8.0	23.1	6.0	82.3	10.9	4.0										
Bottom	2.6	1	24.5	8.0	23.0	6.0	82.2	10.4	4.4										
				2	24.4	8.0	23.1	6.0	82.3	10.9	4.0	6.0							
		2	24.4	8.0	23.1	6.0	82.3	10.9	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)			
2022-05-20	Mid-Ebb	TCE-C1	Fine	Calm	14:31	10.4	Surface	1.0	1	24.8	8.1	22.1	6.6	89.7	1.0	2.7	6.6	1.5	3.4			
									2	24.7	8.1	22.2	6.6	89.6	1.0	3.2						
							Middle	5.2	1	24.6	8.1	22.5	6.6	89.9	1.4	3.5						
							Bottom	9.4	1	24.6	8.1	22.6	6.6	90.0	1.5	3.2						
						2	24.6	8.1	22.8	6.6	90.6	2.0	3.6	6.6								
				2	24.6	8.1	22.8	6.6	90.6	2.0	3.9											
		TCE-C2	Fine	Calm	16:16	12.0	Surface	1.0	1	24.5	8.0	22.3	6.4				87.2	1.0	2.9	6.3	1.9	2.6
				2	24.5	8.0	22.4	6.4	86.9	1.1	2.6											
		Middle	6.0	1	24.4	8.0	22.5	6.3	85.4	1.7	2.5											
		Bottom	11.0	1	24.4	8.0	22.5	6.2	84.9	1.7	2.8											
						2	24.6	8.0	26.2	6.2	86.5	3.0	2.1	6.3								
				2	24.7	8.0	26.1	6.5	90.7	2.9	2.4											
		TCE-WQM1	Fine	Calm	15:12	6.8	Surface	1.0	1	24.5	8.0	22.5	6.3				85.8	1.0	3.0	6.2	1.7	2.3
				2	24.5	8.0	22.5	6.3	85.6	1.0	2.7											
		Middle	3.4	1	24.6	8.0	23.2	6.2	84.9	1.2	2.4											
		Bottom	5.8	1	24.7	8.0	22.9	6.2	84.7	1.3	2.2											
						2	24.9	8.1	24.5	6.2	85.9	2.8	1.9	6.2								
				2	24.9	8.1	24.5	6.2	85.9	2.8	1.7											
		TCE-WQM2a	Fine	Calm	15:42	6.4	Surface	1.0	1	24.7	8.0	22.3	6.5				89.5	1.0	2.5	6.5	1.5	2.4
				2	24.7	8.0	22.3	6.5	89.5	1.0	2.8											
		Middle	3.2	1	24.6	8.0	22.5	6.5	89.4	1.2	2.4											
		Bottom	5.4	1	24.6	8.0	22.5	6.6	89.4	1.2	2.2											
						2	24.7	8.0	25.5	6.5	90.2	2.3	2.4	6.5								
				2	24.7	8.0	25.1	6.5	90.7	2.3	2.1											
	TCE-WQM2b	Fine	Calm	15:53	9.2	Surface	1.0	1	24.4	8.0	22.4	6.5	88.7				1.2	2.4	6.3	2.2	3.3	
			2	24.3	8.0	22.4	6.5	87.9	1.1	2.7												
	Middle	4.6	1	24.4	8.0	26.2	6.1	84.2	2.2	3.5												
	Bottom	8.2	1	24.4	8.0	26.3	6.1	84.4	2.1	3.2												
					2	24.5	8.0	26.7	6.2	86.3	3.3	3.8	6.2									
			2	24.6	8.0	26.6	6.2	86.8	3.3	4.0												
	TCE-WQM3A	Fine	Calm	15:33	3.6	Surface	1.0	1	24.7	8.0	22.2	6.5				89.3	1.2	3.0	6.5	1.3	3.1	
			2	24.7	8.0	22.2	6.6	89.5	1.1	2.6												
	Bottom	2.6	1	25.1	8.0	22.1	6.6	90.4	1.4	3.3												
			2	25.1	8.0	21.8	6.6	90.5	1.5	3.6												
					2	24.6	8.0	26.6	6.2	86.8	3.3	3.8	6.6									
			2	24.6	8.0	26.6	6.2	86.8	3.3	4.0												
	TCE-WQM4	Fine	Calm	15:24	3.6	Surface	1.0	1	24.6	8.0	22.1	6.5				88.9	2.0	3.1	6.5	2.6	3.1	
			2	24.5	8.0	22.1	6.5	88.7	2.1	3.6												
	Bottom	2.6	1	24.4	8.0	27.5	6.1	85.0	3.2	2.9												
			2	24.5	8.0	27.0	6.2	86.6	3.2	2.8												
					2	24.6	8.0	26.7	6.2	86.3	3.3	3.8	6.1									
			2	24.6	8.0	26.6	6.2	86.8	3.3	4.0												
	TCE-WQM3A	Fine	Calm	15:33	3.6	Surface	1.0	1	24.7	8.0	22.2	6.5				89.3	1.2	3.0	6.5	1.3	3.1	
			2	24.7	8.0	22.2	6.6	89.5	1.1	2.6												
	Bottom	2.6	1	25.1	8.0	22.1	6.6	90.4	1.4	3.3												
			2	25.1	8.0	21.8	6.6	90.5	1.5	3.6												
					2	24.6	8.0	26.6	6.2	86.8	3.3	3.8	6.6									
			2	24.6	8.0	26.6	6.2	86.8	3.3	4.0												
TCE-WQM4	Fine	Calm	15:24	3.6	Surface	1.0	1	24.6	8.0	22.1	6.5	88.9				2.0	3.1	6.5	2.6	3.1		
		2	24.5	8.0	22.1	6.5	88.7	2.1	3.6													
Bottom	2.6	1	24.4	8.0	27.5	6.1	85.0	3.2	2.9													
		2	24.5	8.0	27.0	6.2	86.6	3.2	2.8													
				2	24.6	8.0	26.7	6.2	86.3	3.3	3.8	6.1										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM3A	Fine	Calm	15:33	3.6	Surface	1.0	1	24.7	8.0	22.2	6.5				89.3	1.2	3.0	6.5	1.3	3.1		
		2	24.7	8.0	22.2	6.6	89.5	1.1	2.6													
Bottom	2.6	1	25.1	8.0	22.1	6.6	90.4	1.4	3.3													
		2	25.1	8.0	21.8	6.6	90.5	1.5	3.6													
				2	24.6	8.0	26.6	6.2	86.8	3.3	3.8	6.6										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM4	Fine	Calm	15:24	3.6	Surface	1.0	1	24.6	8.0	22.1	6.5				88.9	2.0	3.1	6.5	2.6	3.1		
		2	24.5	8.0	22.1	6.5	88.7	2.1	3.6													
Bottom	2.6	1	24.4	8.0	27.5	6.1	85.0	3.2	2.9													
		2	24.5	8.0	27.0	6.2	86.6	3.2	2.8													
				2	24.6	8.0	26.7	6.2	86.3	3.3	3.8	6.1										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM3A	Fine	Calm	15:33	3.6	Surface	1.0	1	24.7	8.0	22.2	6.5				89.3	1.2	3.0	6.5	1.3	3.1		
		2	24.7	8.0	22.2	6.6	89.5	1.1	2.6													
Bottom	2.6	1	25.1	8.0	22.1	6.6	90.4	1.4	3.3													
		2	25.1	8.0	21.8	6.6	90.5	1.5	3.6													
				2	24.6	8.0	26.6	6.2	86.8	3.3	3.8	6.6										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM4	Fine	Calm	15:24	3.6	Surface	1.0	1	24.6	8.0	22.1	6.5				88.9	2.0	3.1	6.5	2.6	3.1		
		2	24.5	8.0	22.1	6.5	88.7	2.1	3.6													
Bottom	2.6	1	24.4	8.0	27.5	6.1	85.0	3.2	2.9													
		2	24.5	8.0	27.0	6.2	86.6	3.2	2.8													
				2	24.6	8.0	26.7	6.2	86.3	3.3	3.8	6.1										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM3A	Fine	Calm	15:33	3.6	Surface	1.0	1	24.7	8.0	22.2	6.5				89.3	1.2	3.0	6.5	1.3	3.1		
		2	24.7	8.0	22.2	6.6	89.5	1.1	2.6													
Bottom	2.6	1	25.1	8.0	22.1	6.6	90.4	1.4	3.3													
		2	25.1	8.0	21.8	6.6	90.5	1.5	3.6													
				2	24.6	8.0	26.6	6.2	86.8	3.3	3.8	6.6										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM4	Fine	Calm	15:24	3.6	Surface	1.0	1	24.6	8.0	22.1	6.5				88.9	2.0	3.1	6.5	2.6	3.1		
		2	24.5	8.0	22.1	6.5	88.7	2.1	3.6													
Bottom	2.6	1	24.4	8.0	27.5	6.1	85.0	3.2	2.9													
		2	24.5	8.0	27.0	6.2	86.6	3.2	2.8													
				2	24.6	8.0	26.7	6.2	86.3	3.3	3.8	6.1										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM3A	Fine	Calm	15:33	3.6	Surface	1.0	1	24.7	8.0	22.2	6.5				89.3	1.2	3.0	6.5	1.3	3.1		
		2	24.7	8.0	22.2	6.6	89.5	1.1	2.6													
Bottom	2.6	1	25.1	8.0	22.1	6.6	90.4	1.4	3.3													
		2	25.1	8.0	21.8	6.6	90.5	1.5	3.6													
				2	24.6	8.0	26.6	6.2	86.8	3.3	3.8	6.6										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM4	Fine	Calm	15:24	3.6	Surface	1.0	1	24.6	8.0	22.1	6.5				88.9	2.0	3.1	6.5	2.6	3.1		
		2	24.5	8.0	22.1	6.5	88.7	2.1	3.6													
Bottom	2.6	1	24.4	8.0	27.5	6.1	85.0	3.2	2.9													
		2	24.5	8.0	27.0	6.2	86.6	3.2	2.8													
				2	24.6	8.0	26.7	6.2	86.3	3.3	3.8	6.1										
		2	24.6	8.0	26.6	6.2	86.8	3.3	4.0													
TCE-WQM3A	Fine	Calm	15:33	3.6	Surface	1.0	1	24.7	8.0	22.2	6.5				89.3	1.2	3.0	6.5	1.3	3.1		
		2	24.7	8.0	22.2	6.6	89.5	1.1	2.6													
Bottom	2.6	1	25.1	8.0	22.1	6.6	90.4	1.4	3.3													
		2	25.1	8.0	21.8	6.6	90.5	1.5	3.6													
				2	24.6	8.0	26.6	6.2	86.8	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)
2022-05-23	Mid-Ebb	TCE-C1	Cloudy	Moderate	9:42	7.7	Surface	1.0	1	25.0	8.2	27.0	8.3	116.4	5.3	10.6	7.7	6.8	11.2
									2	25.0	8.2	27.0	8.2	116.1	5.2	10.2			
							Middle	3.9	1	24.8	8.1	29.9	7.3	103.6	5.6	11.2			
							Bottom	6.7	1	24.6	8.1	29.9	7.3	103.6	5.6	11.8			
				2	24.6	8.1	32.0	6.8	97.6	9.2	11.9	6.8							
				2	24.6	8.1	32.0	6.8	97.9	10.1	11.6								
		Surface	1.0	1	25.1	8.1	25.0	7.9	110.4	2.6	5.6				7.4	2.7	6.4		
				2	25.1	8.1	25.1	7.9	110.3	2.5	5.6								
		Middle	6.7	1	24.8	8.0	28.7	6.8	96.8	2.6	6.2								
		Bottom	12.4	1	24.8	8.0	28.7	6.8	96.7	2.6	5.9								
				2	24.6	8.0	31.3	6.4	91.4	3.0	7.8	6.4							
				2	24.6	8.0	31.3	6.4	91.4	3.1	7.4								
	Surface	1.0	1	25.1	8.2	23.8	8.8	121.4	4.9	8.3	8.4				6.5	10.5			
			2	25.1	8.2	23.8	8.7	121.2	5.0	8.8									
	Middle	4.1	1	25.1	8.2	24.6	8.0	111.0	5.9	11.0									
	Bottom	7.1	1	25.1	8.2	24.6	8.0	110.9	5.9	11.3									
			2	25.0	8.1	25.6	7.5	104.6	8.5	11.7	7.5								
			2	25.0	8.1	25.6	7.5	104.6	8.6	12.0									
	Surface	1.0	1	25.1	8.2	24.4	8.4	116.3	5.1	10.6				8.1	6.4	9.1			
			2	25.1	8.2	24.4	8.4	116.3	5.1	10.3									
	Middle	3.6	1	25.1	8.2	24.7	7.8	109.1	5.6	9.3									
	Bottom	6.2	1	24.8	8.0	29.5	6.5	92.7	8.5	7.4									
			2	24.8	8.0	29.5	6.5	92.6	8.6	7.9	6.5								
			2	24.6	8.0	31.0	6.3	90.9	11.6	8.2									
Surface	1.0	1	25.1	8.2	23.9	8.2	113.6	3.2	7.0	7.8				6.1	7.6				
		2	25.1	8.2	23.9	8.2	113.5	3.2	6.8										
Middle	5.9	1	25.1	8.1	25.2	7.5	105.0	3.1	7.8										
Bottom	10.7	1	24.6	8.0	31.0	6.3	90.7	11.6	8.2										
		2	24.6	8.0	31.0	6.3	90.9	12.2	8.6	6.3									
		2	25.0	8.1	26.7	6.6	92.5	7.0	8.9										
Surface	1.0	1	25.1	8.0	26.0	6.5	91.5	6.5	9.5				6.5	6.8	9.2				
		2	25.1	8.0	26.1	6.5	91.4	6.5	9.8										
Bottom	3.1	1	25.0	8.1	26.7	6.6	92.3	7.1	8.4										
		2	25.0	8.1	26.7	6.6	92.5	7.0	8.9										
		2	25.0	8.1	26.7	6.6	92.5	7.0	8.9	6.6									
		2	25.1	8.3	23.5	8.8	121.3	5.6	9.0										
Surface	1.0	1	25.1	8.3	23.5	8.8	121.2	5.7	9.4				8.8	5.8	8.4				
		2	25.1	8.3	23.5	8.8	121.2	5.7	9.4										
Bottom	2.1	1	25.1	8.3	23.5	8.4	116.9	5.9	7.2										
		2	25.1	8.3	23.5	8.4	116.7	5.9	7.8										
		2	25.1	8.3	23.5	8.4	116.7	5.9	7.8	8.4									
		2	25.1	8.3	23.5	8.4	116.9	5.9	7.2										
Surface	1.0	1	25.0	8.2	26.1	8.5	118.7	5.4	11.0				7.7	5.6	9.2				
		2	25.0	8.2	26.1	8.5	118.7	5.4	11.3										
Middle	4.2	1	24.7	8.1	30.3	7.0	100.6	5.1	9.1										
Bottom	7.4	1	24.6	8.1	30.3	7.0	100.5	5.3	8.6										
		2	24.6	8.1	32.2	6.6	94.6	6.2	7.8	6.6									
		2	24.6	8.1	32.2	6.6	94.6	6.2	7.4										
Surface	1.0	1	25.1	8.3	25.4	9.8	137.0	2.3	4.5				8.1	5.6	4.7				
		2	25.1	8.3	25.4	9.8	137.0	2.3	4.1										
Middle	6.7	1	24.6	8.0	31.3	6.4	91.3	4.2	4.6										
Bottom	12.4	1	24.6	8.0	31.4	6.3	91.2	4.7	4.9										
		2	24.6	8.0	32.4	6.3	91.3	10.0	5.1	6.3									
		2	24.6	8.0	32.4	6.3	91.5	10.3	4.8										
Surface	1.0	1	25.2	8.3	23.5	9.6	133.4	5.4	8.8				9.2	6.3	9.5				
		2	25.2	8.3	23.5	9.6	133.2	5.3	9.2										
Middle	4.1	1	25.1	8.3	23.7	8.8	121.9	6.0	9.3										
Bottom	7.2	1	25.0	8.1	25.7	7.4	104.1	7.5	10.0										
		2	25.0	8.1	25.7	7.4	104.2	7.5	9.7	7.4									
		2	25.0	8.1	25.7	7.4	104.2	7.5	9.7										
Surface	1.0	1	25.1	8.2	24.8	8.9	124.9	3.4	8.7				8.6	4.7	7.8				
		2	25.1	8.2	24.8	8.9	124.9	3.4	9.0										
Middle	3.7	1	25.0	8.2	25.2	8.3	115.5	4.9	7.4										
Bottom	6.4	1	24.9	8.1	28.0	7.0	98.8	5.6	6.7										
		2	24.9	8.1	27.9	7.0	99.0	5.6	7.0	7.0									
		2	24.9	8.1	27.9	7.0	99.0	5.6	7.0										
Surface	1.0	1	25.1	8.2	25.1	8.5	118.7	3.4	5.7				7.4	6.4	6.3				
		2	25.1	8.2	25.1	8.5	118.7	3.4	6.1										
Middle	5.9	1	24.8	8.0	29.1	6.2	88.8	5.4	6.5										
Bottom	10.8	1	24.8	8.0	29.1	6.2	88.8	5.6	6.1										
		2	24.6	8.0	31.3	6.2	88.9	10.3	6.7	6.2									
		2	24.6	8.0	31.3	6.2	89.0	10.4	6.8										
Surface	1.0	1	25.0	8.1	25.3	7.4	103.1	8.3	9.9				7.4	7.5	9.3				
		2	25.0	8.1	25.2	7.4	103.5	8.6	10.0										
Bottom	3.6	1	25.0	8.0	27.2	6.5	91.7	6.3	8.5										
		2	25.0	8.0	27.1	6.8	95.6	6.6	8.9										
		2	25.0	8.0	27.1	6.8	95.6	6.6	8.9	6.6									
		2	25.1	8.3	24.3	8.8	122.1	3.9	11.3										
Surface	1.0	1	25.1	8.3	24.3	8.8	122.1	3.9	11.6				8.8	4.3	11.8				
		2	25.1	8.2	24.3	8.8	122.1	3.9	11.6										
Bottom	2.6	1	25.1	8.2	24.4	8.3	115.8	4.6	12.0										
		2	25.0	8.2	24.4	8.3	115.7	4.6	12.2										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-05-25	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:01	8.3	Surface	1.0	1	24.8	8.1	26.7	6.7	93.7	5.7	4.0	6.5	8.6	3.7
									2	24.8	8.1	26.7	6.7	93.6	6.2	4.4			
							Middle	4.2	1	24.6	8.1	28.6	6.4	89.9	7.1	3.6			
							Bottom	7.3	1	24.5	8.1	29.2	6.3	89.6	12.9	3.4			
				2	24.5	8.1	29.2	6.3	89.6	13.0	3.1								
		TCE-C2	Rainy	Moderate	9:02	13.4	Surface	1.0	1	24.7	8.0	25.0	6.3	87.3	1.8	5.1	6.2	2.3	6.4
									2	24.7	8.0	25.0	6.3	87.2	1.8	5.3			
							Middle	6.7	1	24.5	8.0	26.7	6.2	86.6	1.3	6.5			
							Bottom	12.4	1	24.4	8.0	26.7	6.2	86.5	1.3	6.7			
				2	24.4	8.0	28.3	5.8	81.8	3.5	7.4								
		TCE-WQM1	Rainy	Moderate	10:24	8.6	Surface	1.0	1	25.0	8.1	24.5	6.6	92.2	3.5	4.0	6.6	5.9	4.5
									2	24.9	8.1	24.6	6.6	92.1	3.6	3.6			
	Middle						4.3	1	24.8	8.1	25.1	6.5	90.6	5.6	4.3				
	Bottom						7.6	1	25.0	8.1	25.1	6.5	90.5	5.8	4.7				
			2	25.1	8.1	25.4	6.6	91.6	8.5	5.4									
	TCE-WQM2a	Rainy	Moderate	9:49	7.5	Surface	1.0	1	24.7	8.1	25.4	6.2	86.3	2.7	3.8	6.2	4.0	4.9	
								2	24.7	8.1	25.4	6.2	86.3	2.7	3.5				
						Middle	3.8	1	24.7	8.1	25.7	6.1	85.5	2.9	5.2				
						Bottom	6.5	1	24.6	8.1	25.7	6.1	85.4	3.0	4.8				
			2	24.6	8.1	26.4	6.1	84.7	6.5	6.1									
	TCE-WQM2b	Rainy	Moderate	9:35	12.6	Surface	1.0	1	25.0	8.2	20.8	7.4	100.5	2.3	4.4	6.7	7.9	9.0	
								2	25.0	8.2	20.8	7.4	100.2	2.6	3.5				
						Middle	6.3	1	24.6	8.0	25.6	6.0	84.0	8.3	5.7				
						Bottom	11.6	1	24.6	8.0	25.6	6.0	84.0	8.8	7.5				
		2	24.6	8.0	25.5	6.1	84.8	12.8	9.9										
TCE-WQM3A	Rainy	Moderate	10:01	4.5	Surface	1.0	1	24.8	8.0	22.2	5.9	80.8	6.7	5.6	5.9	10.5	5.0		
							2	24.8	8.0	23.7	5.9	80.8	6.9	5.2					
					Bottom	3.5	1	24.7	8.0	25.6	5.8	81.1	14.9	4.6					
							2	24.8	8.0	25.5	5.8	81.3	13.5	4.4					
TCE-WQM4	Rainy	Moderate	10:11	3.4	Surface	1.0	1	24.8	8.1	24.4	6.5	89.7	5.4	5.4	6.5	7.2	6.1		
							2	24.8	8.1	24.5	6.5	89.7	5.8	5.0					
					Bottom	2.4	1	24.8	8.1	24.7	6.5	89.8	8.8	7.1					
							2	24.8	8.1	24.7	6.5	89.8	8.9	6.8					
2022-05-25	Mid-Flood	TCE-C1	Cloudy	Moderate	13:50	8.2	Surface	1.0	1	24.8	8.1	26.6	6.7	94.6	2.7	4.7	6.5	7.2	4.2
									2	24.8	8.1	26.6	6.7	94.5	2.7	4.3			
							Middle	4.1	1	24.5	8.1	29.1	6.3	89.4	9.4	4.1			
							Bottom	7.2	1	24.5	8.1	29.1	6.3	89.3	9.8	4.4			
				2	24.5	8.1	29.2	6.3	89.4	9.6	3.9								
		TCE-C2	Rainy	Moderate	16:05	13.5	Surface	1.0	1	25.1	8.1	25.4	6.5	90.5	2.7	4.2	6.1	7.1	3.5
									2	25.0	8.1	25.4	6.5	90.4	2.7	4.0			
							Middle	6.8	1	24.4	8.1	29.2	5.8	82.3	8.6	3.7			
							Bottom	12.5	1	24.4	8.1	29.2	5.8	82.3	8.6	3.3			
				2	24.3	8.1	30.0	5.8	82.1	10.0	2.7								
		TCE-WQM1	Cloudy	Moderate	14:38	9.0	Surface	1.0	1	25.1	8.1	24.4	7.0	96.9	3.1	2.9	6.8	5.3	3.6
									2	25.1	8.1	24.5	7.0	96.9	3.2	2.8			
	Middle						4.5	1	24.9	8.1	24.7	6.6	91.7	4.1	3.4				
	Bottom						8.0	1	24.9	8.1	24.7	6.6	91.6	4.1	3.9				
			2	24.9	8.1	24.8	6.6	91.5	8.7	4.4									
	TCE-WQM2a	Rainy	Moderate	15:19	7.1	Surface	1.0	1	24.8	8.1	25.5	6.2	86.3	3.4	3.5	6.1	4.2	4.2	
								2	24.8	8.1	25.5	6.2	86.3	3.4	3.3				
						Middle	3.6	1	24.7	8.1	25.9	6.1	84.9	4.5	3.8				
						Bottom	6.1	1	24.7	8.1	25.9	6.1	84.9	4.5	4.2				
			2	24.7	8.1	26.0	6.2	85.9	4.7	4.9									
	TCE-WQM2b	Rainy	Moderate	15:31	11.0	Surface	1.0	1	25.3	8.1	24.1	6.8	94.5	2.1	5.3	6.4	8.5	4.3	
								2	25.3	8.1	24.1	6.8	94.4	2.3	5.0				
						Middle	5.5	1	24.8	8.1	26.2	6.1	85.6	10.6	4.4				
						Bottom	10.0	1	24.8	8.1	26.2	6.1	85.5	10.7	4.3				
		2	24.6	8.1	26.9	5.9	83.0	12.6	3.1										
TCE-WQM3A	Rainy	Moderate	15:06	4.5	Surface	1.0	1	25.3	8.1	24.2	6.1	85.3	4.7	3.3	6.1	8.1	4.0		
							2	25.3	8.1	24.2	6.1	85.3	4.8	3.7					
					Bottom	3.5	1	24.7	8.1	25.5	5.7	79.8	11.3	4.7					
							2	24.7	8.1	25.5	5.7	79.9	11.4	4.4					
TCE-WQM4	Cloudy	Moderate	14:51	3.4	Surface	1.0	1	25.1	8.1	24.8	6.4	88.9	3.3	3.6	6.4	4.3	3.3		
							2	25.1	8.1	24.8	6.4	88.9	3.3	3.5					
					Bottom	2.4	1	24.8	8.1	25.8	6.2	86.4	5.4	3.1					
							2	24.8	8.1	25.8	6.2	86.5	5.4	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)									
2022-05-27	Mid-Ebb	TCE-C1	Rainy	Moderate	13:07	10.0	Surface	1.0	1	25.8	8.0	16.3	7.4	98.9	3.3	5.3	7.2	4.3	4.7									
									2	25.8	8.0	15.6	7.4	98.6	3.3	4.9												
							Middle	5.0	1	25.8	8.0	21.5	7.1	98.0	4.6	4.6												
									2	25.9	8.0	21.5	7.0	97.9	4.8	4.7												
				Bottom	9.0	1	25.9	8.0	24.6	6.9	97.9	5.0	4.3	6.9														
						2	26.0	8.0	26.2	6.8	99.1	5.0	4.1															
		TCE-C2	Rainy	Moderate	11:10	11.6	Surface	1.0	1	25.8	7.9	17.5	7.1				96.2	2.9	3.8	6.8	3.4	3.2						
						2	25.8	7.9	17.5	7.1	95.9	2.8	3.7															
				Middle	5.8	1	25.8	7.8	22.4	6.5	90.7	3.0	3.1															
						2	25.8	7.8	22.4	6.5	90.7	3.1	3.4															
				Bottom	10.6	1	25.8	7.8	22.3	6.5	91.2	4.3	2.5	6.6														
						2	25.9	7.8	22.3	6.6	91.4	4.4	2.8															
		TCE-WQM1	Rainy	Moderate	12:29	8.0	Surface	1.0	1	25.9	8.0	24.9	6.3				89.1	3.0	4.7	6.3	4.3	4.1						
						2	25.9	8.0	24.9	6.3	89.1	3.0	5.1															
				Middle	4.0	1	25.9	8.0	25.2	6.3	89.3	4.0	4.6															
						2	25.9	8.0	25.2	6.3	89.4	4.1	4.1															
				Bottom	7.0	1	25.9	8.0	25.3	6.3	90.0	5.8	3.1	6.4														
						2	25.9	8.0	25.2	6.4	90.4	5.7	2.8															
		TCE-WQM2a	Rainy	Moderate	11:57	6.2	Surface	1.0	1	25.9	8.0	25.0	6.3				89.6	3.0	3.9	6.3	4.3	3.5						
						2	25.9	8.0	25.0	6.3	89.6	3.0	4.2															
				Middle	3.1	1	25.9	8.0	25.3	6.3	89.8	4.2	3.4															
						2	25.9	8.0	25.3	6.3	89.8	4.2	3.7															
				Bottom	5.2	1	25.9	8.0	25.4	6.4	90.1	5.7	2.8	6.5														
						2	25.9	8.0	25.4	6.6	93.6	5.7	3.1															
	TCE-WQM2b	Rainy	Moderate	11:42	10.2	Surface	1.0	1	25.9	7.9	17.8	6.9	93.7				2.1	4.3	6.8	3.4	3.6							
					2	25.9	7.9	17.9	6.9	93.7	2.2	4.0																
			Middle	5.1	1	25.9	7.9	20.5	6.8	94.0	4.0	3.7																
					2	25.9	7.9	20.7	6.8	94.2	4.0	3.4																
			Bottom	9.2	1	25.9	7.9	21.9	6.8	95.1	4.1	3.2	6.9															
					2	25.9	7.9	21.6	6.9	95.5	4.1	3.0																
	TCE-WQM3A	Rainy	Moderate	12:08	4.0	Surface	1.0	1	25.9	8.0	24.9	6.2				88.4	4.0	3.4	6.2	4.9	3.6							
					2	25.9	8.0	24.9	6.2	88.5	4.1	3.5																
			Bottom	3.0	1	25.9	8.0	25.3	6.3	89.4	5.8	3.6																
					2	25.9	8.0	25.2	6.3	89.4	5.7	3.9																
			TCE-WQM4	Rainy	Moderate	12:18	3.8	Surface	1.0	1	25.9	8.0	24.6	6.3	89.2	3.5	4.2	6.3	3.9	3.7								
					2	25.9	8.0	24.6	6.3	89.4	3.5	3.9																
			Bottom	2.8	1	25.9	8.0	24.6	6.4	89.7	4.3	3.1																
					2	25.9	8.0	24.5	6.4	89.9	4.4	3.5																
	2022-05-27	Mid-Flood	TCE-C1	Rainy	Moderate	15:51	10.2	Surface	1.0	1	25.8	8.0	11.3	7.6	99.8	3.1	2.7	7.4	4.1	3.7								
										2	25.7	8.0	11.3	7.6	99.5	3.1	3.0											
								Middle	5.1	1	25.5	8.0	18.3	7.2	98.1	4.2	4.0											
										2	25.5	8.0	18.5	7.2	97.7	4.2	3.6											
										Bottom	9.2	1	25.4	8.0	29.6	6.6	95.0	5.1	4.7	6.7								
												2	25.5	8.0	29.4	6.9	99.3	5.1	4.4									
								TCE-C2	Rainy	Moderate	17:36	12.2	Surface	1.0	1	25.7	8.0	19.9	6.8				92.7	3.1	3.8	6.7	4.2	3.0
												2	25.7	8.0	20.4	6.7	92.6	3.2	3.6									
					Middle	6.1	1	25.8	8.0	23.3	6.6	92.8	4.1	3.2														
							2	25.9	8.0	23.3	6.6	93.0	4.1	2.8														
				Bottom	11.2	1	26.1	8.0	23.1	6.7	93.9	5.3	2.2	6.7														
						2	26.2	8.0	22.9	6.7	94.3	5.2	2.4															
TCE-WQM1			Rainy	Moderate	16:32	6.4	Surface	1.0	1	25.9	8.0	11.2	7.6				99.1	4.2	4.8	7.4	5.1	3.7						
						2	25.9	8.0	11.4	7.5	98.9	4.2	4.4															
				Middle	3.2	1	25.9	8.0	18.6	7.2	98.2	5.1	3.5															
						2	25.9	8.0	18.7	7.2	98.0	5.0	3.8															
				Bottom	5.4	1	26.0	8.0	24.7	6.8	96.8	6.1	2.7	6.8														
						2	26.0	8.0	24.6	6.9	97.9	6.2	2.9															
TCE-WQM2a			Rainy	Moderate	17:02	6.2	Surface	1.0	1	25.8	8.0	21.7	6.7				93.4	3.6	4.5	6.7	4.7	3.9						
						2	25.8	8.0	21.7	6.7	93.4	3.6	4.3															
				Middle	3.1	1	25.8	8.0	22.3	6.6	92.4	4.6	4.0															
						2	25.8	8.0	22.4	6.6	92.2	4.5	3.7															
				Bottom	5.2	1	25.8	8.0	23.3	6.6	91.9	5.9	3.5	6.6														
						2	25.8	8.0	23.3	6.6	94.3	5.8	3.1															
TCE-WQM2b			Rainy	Moderate	17:13	9.0	Surface	1.0	1	25.8	8.0	16.3	7.1				95.8	5.1	2.7	6.8	6.2	3.0						
						2	25.8	8.0	16.4	7.1	95.2	5.1	2.4															
				Middle	4.5	1	25.7	8.0	21.6	6.6	91.0	6.4	3.1															
						2	25.7	8.0	21.6	6.6	91.1	6.4	2.8															
				Bottom	8.0	1	25.2	8.0	29.1	6.3	90.0	7.0	3.3	6.3														
						2	25.3	8.0	29.0	6.3	91.0	7.0	3.5															
TCE-WQM3A			Rainy	Moderate	16:54	3.8	Surface	1.0	1	25.9	8.0	22.9	6.7				94.3	4.2	3.3	6.7	4.7	3.9						
						2	25.9	8.0	22.8	6.8	94.3	4.2	3.1															
				Bottom	2.8	1	25.9	8.0	22.6	6.7	94.4	5.2	4.8															
						2	25.9	8.0	22.6	6.7	94.4	5.1	4.4															
				TCE-WQM4	Rainy	Moderate	16:44	4.0	Surface	1.0	1	26.0	8.0	22.6	6.7	94.1	5.8	4.4	6.6	6.4	3.7							
						2	25.9	8.0	22.4	6.5	90.5	5.7	4.0															
				Bottom	3.0	1	25.9	8.0	25.0	6.3	89.8	7.0	3.1															
						2	25.9	8.0	25.0	6.4	90.2	7.0	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)		
2022-05-30	Mid-Ebb	TCE-C1	Fine	Moderate	11:24	9.5	Surface	1.0	1	26.6	8.1	16.5	6.7	92.2	2.9	2.6	6.3	7.8	2.9		
									2	26.7	8.1	16.6	6.8	92.7	3.0					2.3	
							Middle	4.8	1	24.7	8.1	29.3	5.9	84.1	8.8						2.8
									2	24.7	8.1	28.9	5.9	83.9	8.8					3.1	
		Bottom	8.5	1	25.0	8.0	30.0	6.0	85.7	11.6	3.3										
				2	25.1	8.0	29.9	6.0	86.1	11.6		3.5									
		TCE-C2	Fine	Moderate	13:16	10.8	Surface	1.0	1	26.6	8.0		17.8	6.8	93.1	3.5	3.1	6.4	6.7	3.4	
									2	26.6	8.0	17.8	6.7	92.8	3.7	2.8					
							Middle	5.4	1	25.8	8.0	19.8	6.1	83.9	7.1						3.3
									2	25.7	8.0	19.9	6.1	83.8	7.2	3.5					
		Bottom	9.8	1	25.8	8.0	25.9	6.0	84.6	9.5	3.6										
				2	26.0	8.0	25.8	6.0	85.1	9.3		3.9									
		TCE-WQM1	Fine	Moderate	12:10	8.6	Surface	1.0	1	26.5	8.0		17.4	6.6	89.7	4.8	2.8	6.3	7.0	3.3	
									2	26.4	8.0	17.4	6.5	89.5	4.9	3.0					
							Middle	4.3	1	26.1	8.0	18.8	6.1	83.3	9.0						3.2
									2	26.0	8.0	18.8	6.1	83.1	9.1	3.4					
		Bottom	7.6	1	26.2	8.0	21.0	6.0	83.3	7.2	3.5										
				2	26.2	8.0	21.0	6.0	83.6	7.1		3.8									
		TCE-WQM2a	Fine	Moderate	12:42	7.0	Surface	1.0	1	26.7	8.0		18.5	6.6	91.8	3.0	3.6	6.6	6.9	4.1	
									2	26.7	8.0	18.5	6.6	91.8	3.0	3.2					
							Middle	3.5	1	26.7	8.0	18.8	6.6	91.3	7.2						4.4
									2	26.7	8.0	18.8	6.6	91.1	7.1	4.1					
		Bottom	6.0	1	26.5	8.0	19.5	6.5	90.6	10.7	4.7										
				2	26.5	8.0	19.9	6.5	90.7	10.6		4.5									
	TCE-WQM2b	Fine	Moderate	12:55	9.6	Surface	1.0	1	26.4	8.0	17.2		6.4	87.2	3.1	4.8	6.2	4.8	4.1		
								2	26.3	8.0	17.2	6.4	87.6	3.3	4.6						
						Middle	4.8	1	26.1	8.0	18.5	6.1	83.4	5.0						4.1	
								2	26.1	8.0	18.5	6.1	83.5	5.1	4.3						
	Bottom	8.6	1	26.1	8.0	19.1	6.1	83.8	6.1	3.5											
			2	26.1	8.0	19.1	6.1	84.1	6.1		3.1										
	TCE-WQM3A	Fine	Moderate	12:31	4.6	Surface	1.0	1	26.8	8.0		18.5	6.4	88.0	4.5	2.8	6.3	5.1	3.6		
								2	26.8	8.0	18.5	6.3	87.9	4.4	2.9						
						Bottom	3.6	1	26.7	8.0	18.5	6.3	86.7	5.6						4.1	
			2	26.7	8.0	18.6	6.2	86.4	5.7	4.4											
	TCE-WQM4	Fine	Moderate	12:21	4.0	Surface	1.0	1	26.8		8.0	17.9	7.1	98.2	5.9	2.3	7.1	7.5	2.5		
								2	26.8	8.0	17.9	7.0	96.9	6.0	2.3						
						Bottom	3.0	1	26.7	8.0	18.1	6.7	93.1	9.0						2.8	
			2	26.8	8.0	18.1	6.7	93.2	9.0	2.7											
	2022-05-30	Mid-Flood	TCE-C1	Fine	Moderate	6:51	10.0	Surface	1.0		1	26.6	8.1	14.7	6.8	92.1	3.3	3.8	6.4	8.1	3.4
										2	26.7	8.1	14.7	6.8	91.7	3.5	4.2				
								Middle	5.0	1	24.8	8.1	28.8	6.0	84.4	8.2					
										2	24.7	8.1	28.8	5.9	84.1	8.2	3.4				
			Bottom	9.0	1	24.6	8.0	30.2	5.9	84.6	12.7	2.6									
					2	24.6	8.0	30.1	5.9	84.8	12.6		3.0								
			TCE-C2	Fine	Moderate	4:38	11.3	Surface	1.0	1	26.7	8.0		14.2	6.9	92.7	4.5	4.3	6.4	8.2	3.8
										2	26.7	8.0	14.2	6.8	92.2	4.4	4.6				
								Middle	5.7	1	24.7	8.0	28.1	6.0	84.7	7.4					
										2	24.7	8.0	30.1	5.9	84.6	7.4	3.5				
Bottom			10.3	1	24.8	8.0	30.2	6.0	85.2	12.9	3.3										
				2	24.9	8.0	30.2	6.0	85.5	12.8		3.0									
TCE-WQM1			Fine	Moderate	5:53	8.9	Surface	1.0	1	26.5	8.0		17.4	6.3	86.7	5.0	3.9	6.2	8.0	3.2	
									2	26.5	8.0	17.4	6.3	86.5	5.1	3.5					
							Middle	4.5	1	26.3	8.0	17.9	6.2	84.6	8.8						3.3
									2	26.3	8.0	17.9	6.2	84.4	8.7	3.0					
Bottom			7.9	1	26.3	8.0	20.0	6.1	85.1	10.2	2.7										
				2	26.3	8.0	20.0	6.2	85.6	10.2		2.9									
TCE-WQM2a			Fine	Moderate	5:17	7.6	Surface	1.0	1	26.1	7.9		18.4	6.2	84.5	2.6	2.3	6.0	6.2	3.1	
									2	26.1	7.9	18.4	6.2	84.5	2.6	2.6					
							Middle	3.8	1	25.4	7.9	23.0	5.8	80.3	7.3						2.9
									2	25.3	7.9	23.1	5.8	80.1	7.3	3.1					
Bottom			6.6	1	25.3	7.9	26.3	5.7	80.1	8.9	3.8										
				2	25.3	7.9	26.2	5.7	80.2	8.8		3.6									
TCE-WQM2b	Fine	Moderate	5:03	10.2	Surface	1.0	1	26.2	7.9	18.5	6.2		85.5	2.3	3.4	6.1	4.0	2.7			
							2	26.1	7.9	18.5	6.2	85.2	2.4	3.2							
					Middle	5.1	1	25.9	7.9	20.0	6.0	82.9	4.4						2.7		
							2	25.9	7.9	20.1	6.1	83.9	4.5	2.4							
Bottom	9.2	1	25.7	7.9	26.9	5.9	84.4	5.3	2.3												
		2	25.9	7.9	26.2	5.9	84.4	5.3		2.1											
TCE-WQM3A	Fine	Moderate	5:28	4.8	Surface	1.0	1	26.2	7.9		18.2	6.0	82.1	3.1	3.4	6.0	3.4	3.2			
							2	26.2	7.9	18.3	6.0	82.0	3.2	3.8							
					Bottom	3.8	1	26.2	7.9	18.6	6.0	81.6	3.7						2.8		
		2	26.2	7.9	18.6	6.0	81.7	3.7	2.8												
TCE-WQM4	Fine	Moderate	5:40	4.2	Surface	1.0	1	26.6		8.0	17.5	6.4	88.6	2.8	4.7	6.4	3.8	4.2			
							2	26.6	7.9	17.6	6.4	88.2	2.9	4.4							
					Bottom	3.2	1	26.4	8.0	18.0	6.2	85.5	4.7						3.7		
		2	26.4	8.0	18.0	6.2	85.3	4.7	3.8												