

Annex G3

Monitoring Results for Water Quality

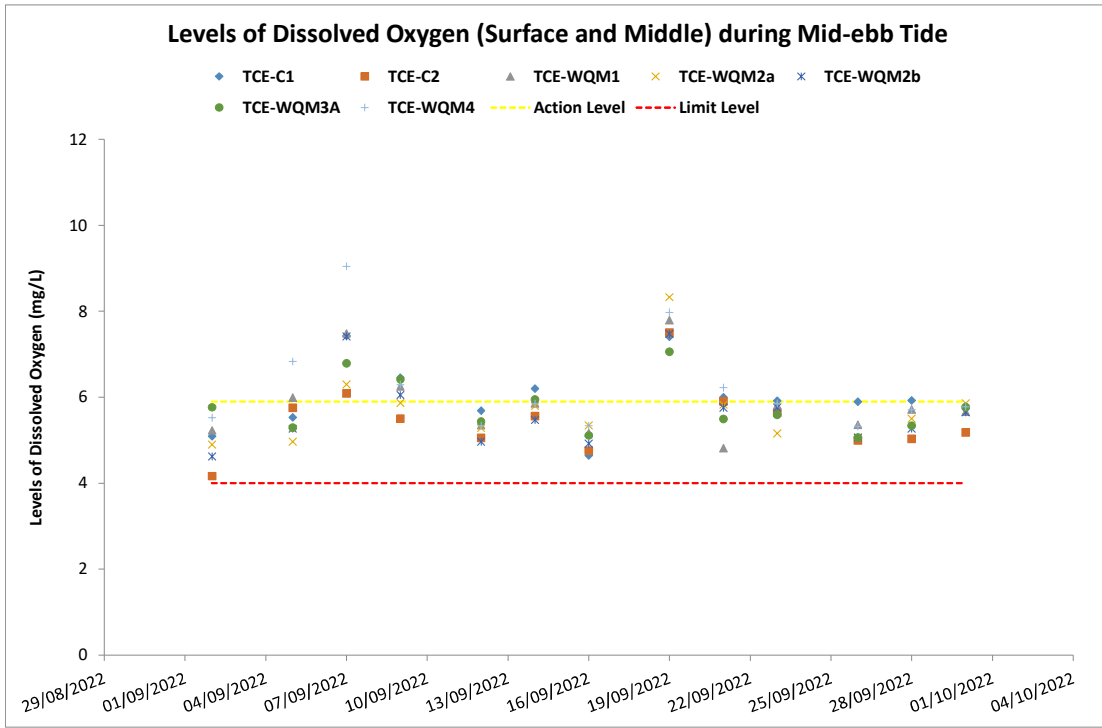


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2022

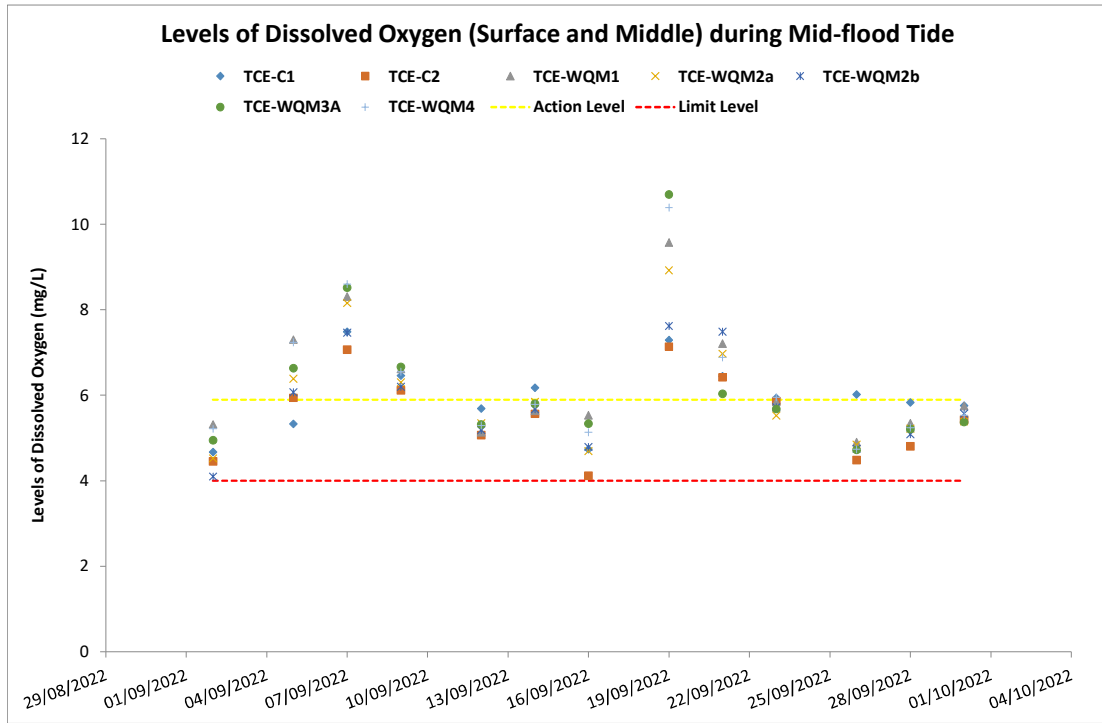


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2022

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

**Environmental
 Resources
 Management**



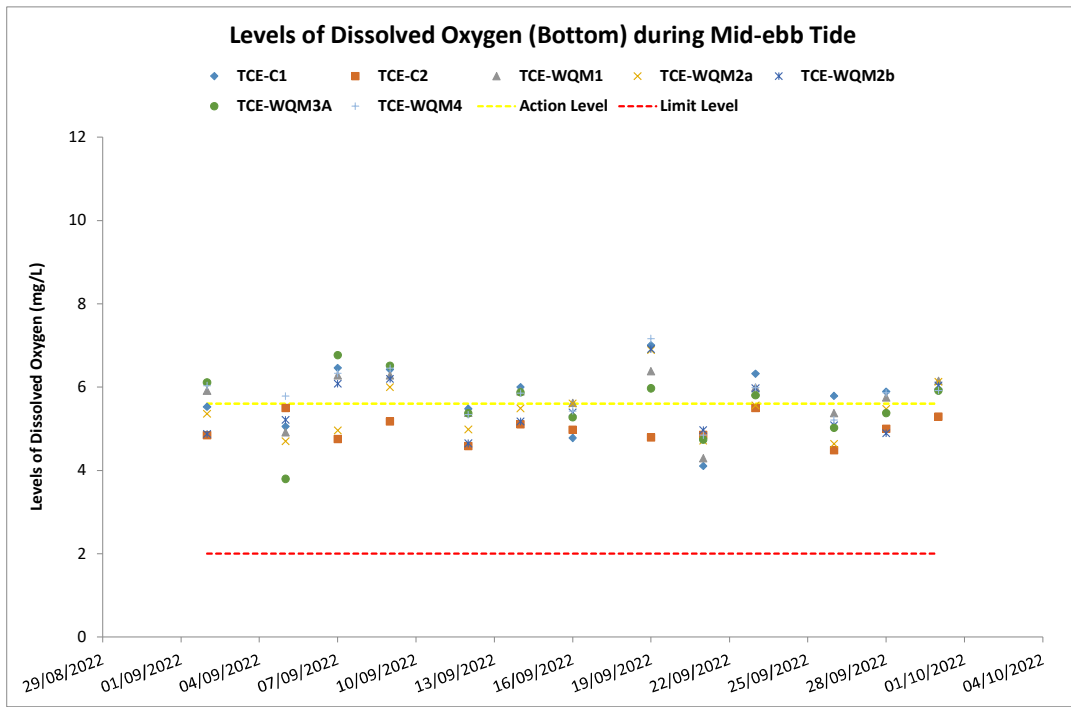


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2022

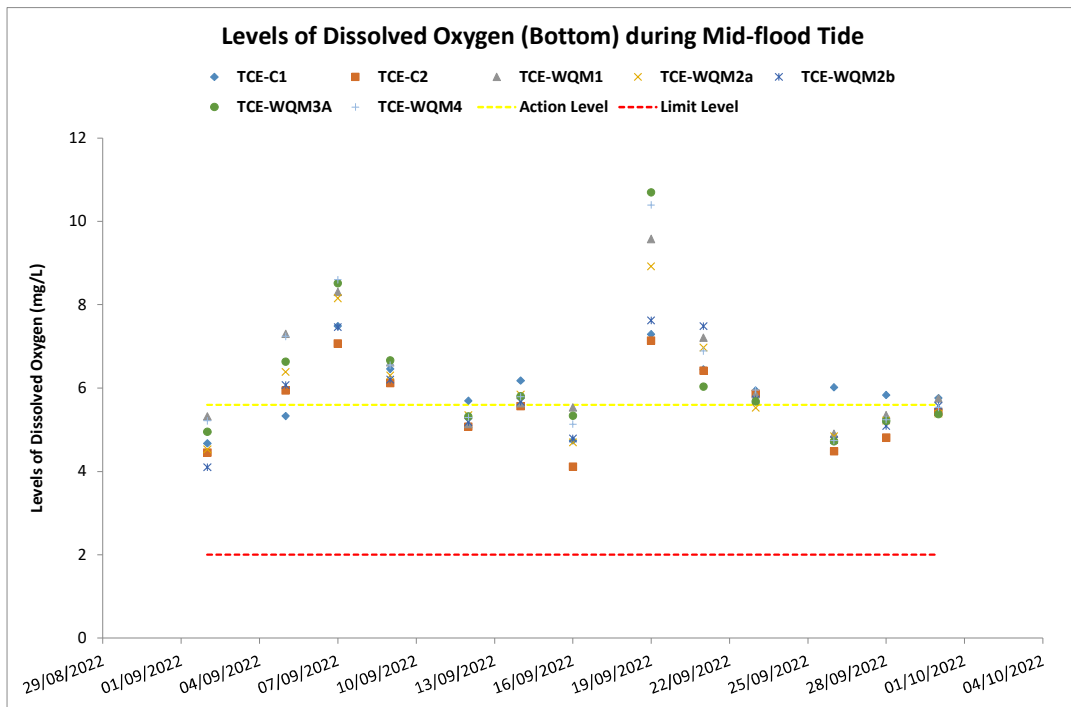


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2022

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

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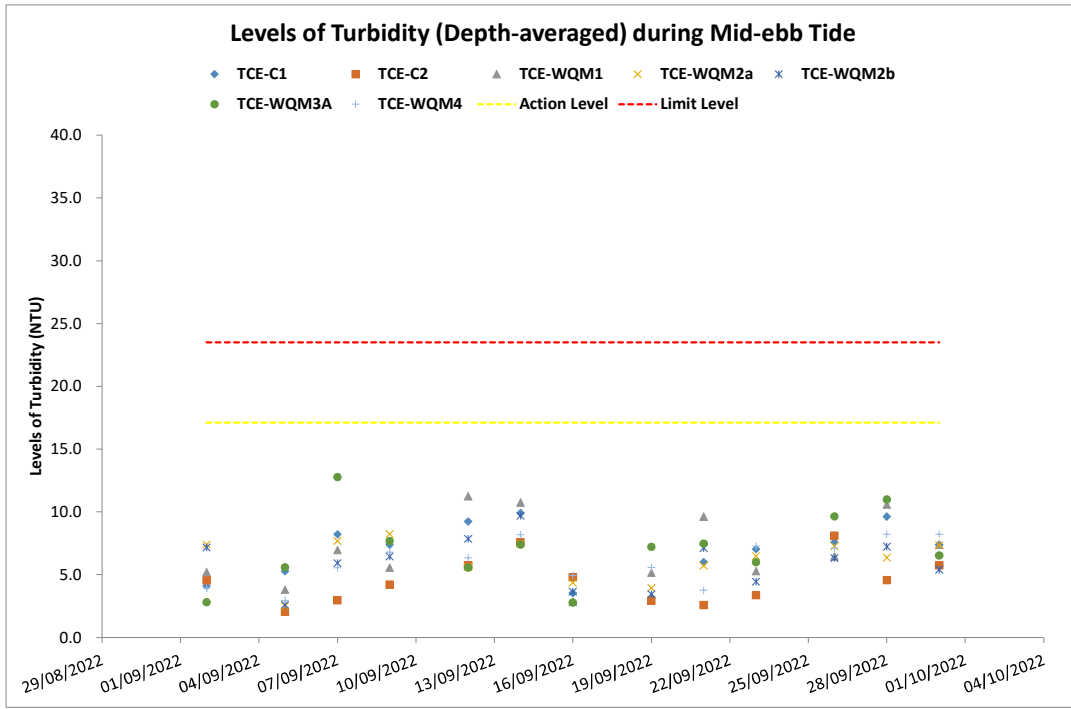


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2022

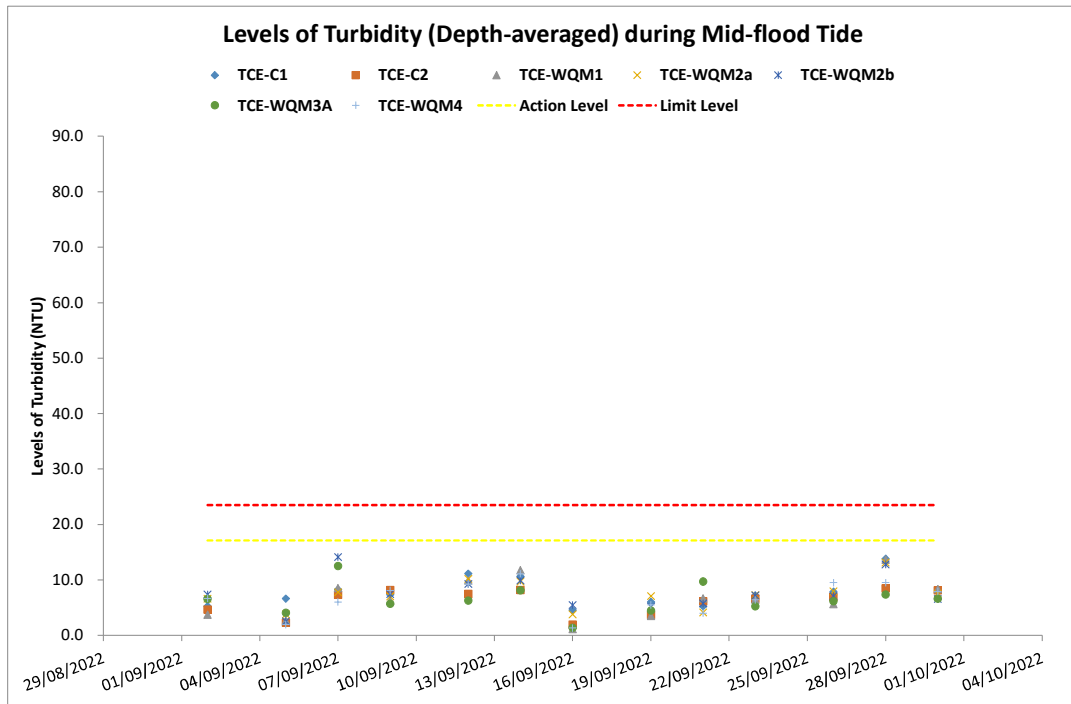


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2022

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

Date: September 2022

**Environmental
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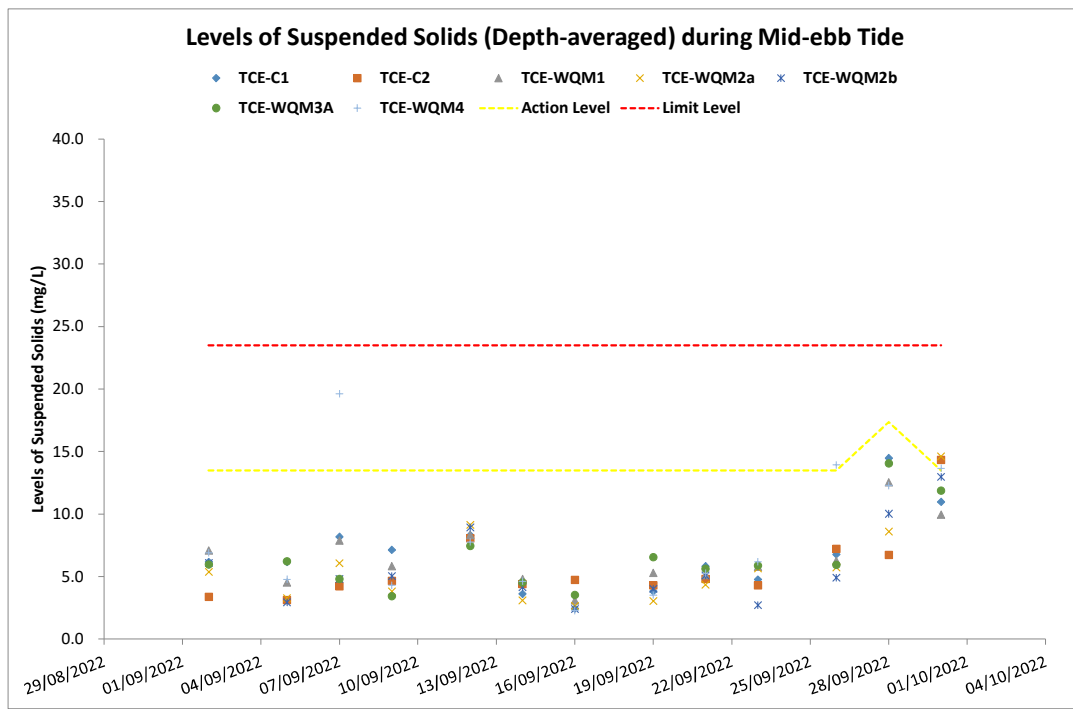


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2022

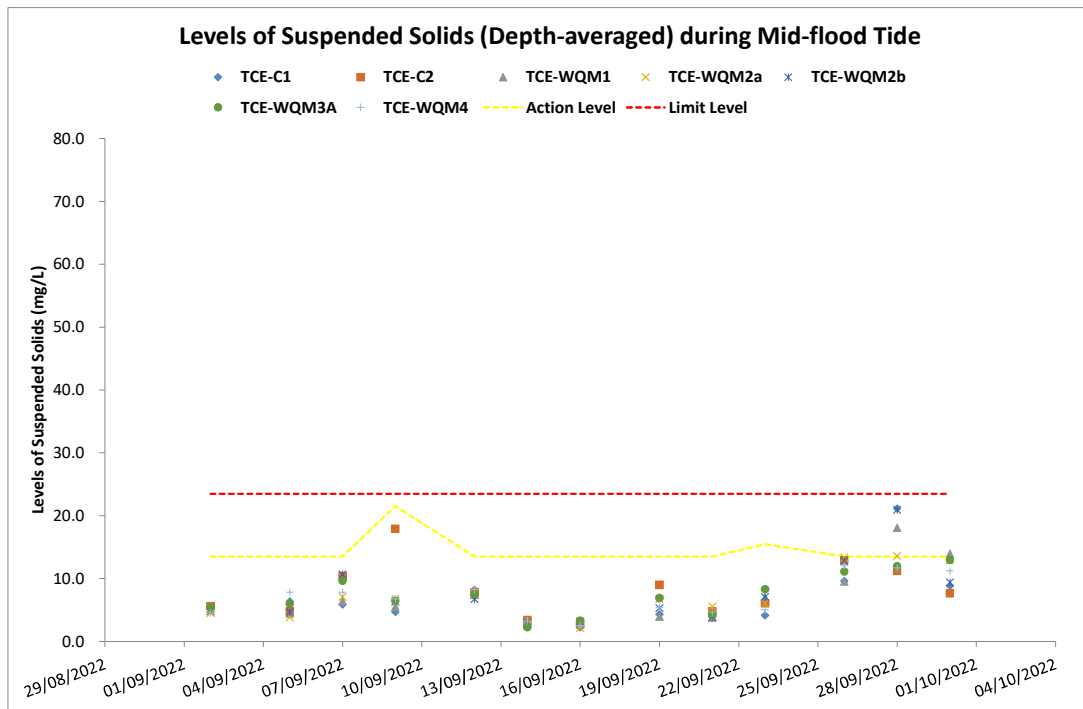


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2022

Source: P:\Projects\0445700 CEDD ET for Tung Chung\JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 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)								
2022-09-02	Mid-Ebb	TCE-C1	Misty	Moderate	14:59	8.0	Surface	1.0	1	27.4	8.1	25.3	5.3	77.6	3.0	5.5	5.1	4.1	6.2								
								2	27.3	8.1	25.2	5.1	73.4	2.9	5.3												
							Middle	4.0	1	27.1	8.1	28.8	5.0	73.7	4.3	6.2											
								2	27.1	8.1	29.0	5.0	74.2	4.3	5.8												
							Bottom	7.0	1	27.1	8.1	29.2	5.4	80.5	5.0	7.3											
								2	27.2	8.1	29.1	5.6	83.3	5.1	6.9												
		TCE-C2	Misty	Moderate	16:41	10.6	Surface	1.0	1	26.6	8.1	28.6	4.1	60.2	3.7	3.0	4.2	4.5	3.4								
								2	26.5	8.1	28.8	4.1	59.9	3.8	2.8												
							Middle	5.3	1	26.2	8.1	29.4	4.2	60.9	4.5	3.5											
								2	26.1	8.1	29.4	4.3	62.3	4.6	3.3												
							Bottom	9.6	1	26.1	8.1	29.5	4.8	69.7	5.3	3.8											
								2	26.1	8.1	29.4	4.9	71.6	5.4	3.9												
		TCE-WQM1	Misty	Moderate	15:36	6.2	Surface	1.0	1	28.4	8.1	24.2	5.1	74.8	4.4	5.8	5.2	5.2	7.1								
								2	28.3	8.1	24.2	5.1	75.2	4.4	6.1												
							Middle	3.1	1	28.3	8.1	24.3	5.2	76.7	5.0	6.9											
								2	28.2	8.1	24.3	5.5	80.3	5.0	7.3												
							Bottom	5.2	1	28.1	8.1	24.3	5.8	85.0	6.2	8.1											
								2	28.1	8.1	24.3	6.0	88.3	6.1	8.4												
		TCE-WQM2a	Misty	Moderate	16:07	7.6	Surface	1.0	1	27.9	8.0	25.4	4.9	72.0	6.4	5.0	4.9	7.4	5.4								
								2	27.9	8.0	25.4	4.9	72.0	6.4	4.8												
							Middle	3.8	1	27.7	8.0	25.7	4.9	71.6	7.7	5.5											
								2	27.6	8.0	25.8	4.9	71.7	7.6	5.3												
							Bottom	6.6	1	27.4	8.0	26.7	5.4	79.0	8.2	6.0											
								2	27.4	8.0	26.7	5.3	79.0	8.1	5.6												
		TCE-WQM2b	Misty	Moderate	16:17	9.6	Surface	1.0	1	27.2	8.0	27.0	4.8	70.5	6.1	5.6	4.6	7.2	6.1								
								2	27.1	8.0	27.2	4.7	69.0	6.1	5.8												
							Middle	4.8	1	26.8	8.0	27.8	4.5	65.3	7.4	6.2											
								2	26.8	8.0	27.9	4.5	65.6	7.3	6.0												
							Bottom	8.6	1	26.6	8.0	28.6	4.8	69.8	8.1	6.6											
								2	26.8	8.0	28.4	5.0	73.2	8.2	6.3												
		TCE-WQM3A	Misty	Moderate	15:57	4.0	Surface	1.0	1	28.1	8.0	24.7	5.7	84.3	2.0	5.8	5.8	2.8	6.0								
								2	28.1	8.0	24.8	5.8	85.0	2.0	5.5												
							Bottom	3.0	1	27.9	8.0	24.9	6.1	88.6	3.6	6.2											
								2	27.8	8.1	24.9	6.2	90.2	3.5	6.4												
							TCE-WQM4	Misty	Moderate	15:48	4.2	Surface	1.0	1	28.5	8.0				24.7	5.5	81.0	3.7	7.0	5.5	3.9	6.9
													2	28.5	8.0	24.7				5.6	82.2	3.7	7.4				
		Bottom	3.2	1	28.4	8.0	24.7	6.0	88.4	4.1	6.7																
			2	28.4	8.0	24.7	6.1	89.8	4.2	6.5																	
		2022-09-02	Mid-Flood	TCE-C1	Misty	Moderate	11:26	8.6	Surface	1.0	1	27.3	8.1	26.1	4.9	71.3	4.5	6.4	4.7	5.3	5.3						
										2	27.3	8.1	26.2	4.6	67.6	4.6	6.1										
									Middle	4.3	1	27.2	8.1	28.9	4.6	67.8	5.0	5.4									
										2	27.2	8.1	29.0	4.6	68.2	5.1	5.0										
									Bottom	7.6	1	27.2	8.1	29.0	5.0	74.2	6.3	4.2									
										2	27.2	8.1	29.0	5.2	77.1	6.4	4.4										
				TCE-C2	Misty	Moderate	9:46	11.8	Surface	1.0	1	27.6	8.0	26.0	4.4	65.1	3.6	5.0	4.5	4.7	5.6						
										2	27.6	8.0	26.0	4.4	65.0	3.5	4.6										
									Middle	5.9	1	27.6	8.0	26.0	4.5	65.3	4.6	5.9									
										2	27.6	8.0	26.0	4.5	65.5	4.6	5.6										
Bottom	10.8								1	27.6	8.0	25.9	4.8	70.0	5.9	6.1											
	2								27.6	8.0	25.9	4.8	70.4	5.9	6.5												
TCE-WQM1	Misty			Moderate	10:46	7.0	Surface	1.0	1	28.2	8.0	24.3	5.3	77.6	2.8	4.7	5.3	3.8	5.2								
								2	28.2	8.0	24.3	5.3	77.7	2.9	4.9												
							Middle	3.5	1	28.2	8.0	24.4	5.3	78.3	3.8	5.3											
								2	28.2	8.0	24.4	5.4	78.8	3.9	5.0												
							Bottom	6.0	1	28.1	8.0	24.7	5.3	78.5	4.7	5.6											
								2	28.1	8.0	24.6	5.3	78.4	4.6	5.9												
TCE-WQM2a	Misty			Moderate	10:17	6.6	Surface	1.0	1	27.9	8.0	25.2	4.5	66.2	5.9	3.8	4.5	6.7	4.5								
								2	27.9	8.0	25.2	4.5	66.2	5.9	3.5												
							Middle	3.3	1	27.6	8.0	26.0	4.4	64.8	6.6	4.7											
								2	27.5	8.0	26.0	4.7	68.3	6.6	4.4												
							Bottom	5.6	1	27.4	8.0	26.3	4.9	72.2	7.4	5.5											
								2	27.5	8.0	26.2	5.1	74.0	7.5	5.2												
TCE-WQM2b	Misty			Moderate	10:07	10.4	Surface	1.0	1	27.5	8.0	26.1	4.2	60.9	6.4	6.0	4.1	7.4	4.8								
								2	27.5	8.0	26.2	4.1	60.6	6.4	5.8												
							Middle	5.2	1	27.1	8.0	27.0	4.1	59.3	7.7	4.6											
								2	27.1	8.0	27.0	4.1	59.3	7.6	4.9												
							Bottom	9.4	1	27.2	8.0	27.2	4.0	58.6	8.0	3.6											
								2	27.3	8.0	27.2	4.0	58.7	8.1	3.9												
TCE-WQM3A	Misty			Moderate	10:27	5.8	Surface	1.0	1	28.0	8.0	24.7	5.0	72.5	6.2	4.6	5.0	6.6	5.5								
								2	27.9	8.0	24.9	5.0	72.6	6.1	5.0												
							Bottom	4.8	1	27.9	8.0	25.2	5.5	80.7	7.0	6.0											
								2	27.9	8.0	24.9	5.4	80.4	7.0	6.3												
							TCE-WQM4	Misty	Moderate	10:36	4.2	Surface	1.0	1	27.9	8.0				24.9	5.2	76.2	6.4	4.0	5.2	6.7	4.6
													2	27.9	8.0	24.9				5.2	76.6	6.3	4.3				
Bottom	3.2			1	27.9	8.0	24.9	5.4	79.3	7.0	5.1																
	2			27.9	8.0	24.9	5.6	81.8	7.1	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)			
2022-09-05	Mid-Ebb	TCE-C1	Sunny	Moderate	8:54	8.4	Surface	1.0	1	27.1	8.1	27.6	5.7	83.8	3.8	5.6	5.5	5.3	6.2			
									2	27.1	8.1	27.6	5.7	83.7	3.9	5.8						
							Middle	4.2	1	26.9	8.1	28.3	5.4	78.6	5.2	6.2						
									2	26.9	8.1	28.3	5.4	78.6	5.2	6.0						
							Bottom	7.4	1	26.8	8.1	28.7	5.1	74.4	6.8	6.5						
									2	26.8	8.1	28.8	5.1	74.2	6.8	6.9						
																	5.1					
				2	27.1	8.0	27.4	5.5	80.5	1.6	3.4											
		TCE-C2	Sunny	Moderate	7:01	14.3	Surface	1.0	1	27.2	8.0	27.1	5.8	85.6	1.7	2.8				5.8	2.0	3.1
				2	27.2	8.0	27.1	5.8	85.6	1.7	2.5											
		Middle	7.2	1	27.2	8.0	27.1	5.7	83.1	2.8	3.2											
				2	27.2	8.0	27.1	5.7	83.1	2.8	3.0											
		Bottom	13.3	1	27.1	8.0	27.4	5.5	80.5	1.6	3.4											
				2	27.1	8.0	27.4	5.5	80.5	1.6	3.8											
																	5.5					
		TCE-WQM1	Sunny	Calm	8:20	9.3	Surface	1.0	1	28.2	8.1	27.1	6.2	92.8	1.7	5.5				6.0	3.8	4.5
				2	28.2	8.1	27.1	6.2	92.8	1.7	5.2											
		Middle	4.7	1	27.5	8.1	27.9	5.8	85.2	2.5	4.4											
				2	27.5	8.1	27.9	5.8	85.1	2.5	4.7											
		Bottom	8.3	1	27.2	8.1	28.5	4.9	72.5	7.2	3.5											
				2	27.1	8.1	28.5	4.9	72.5	7.3	3.8											
																	4.9					
	TCE-WQM2a	Sunny	Moderate	7:45	7.6	Surface	1.0	1	27.1	8.0	28.3	5.3	77.3	2.0	3.6	5.0				2.5	3.3	
			2	27.1	8.0	28.3	5.3	77.3	2.0	3.9												
	Middle	3.8	1	26.8	8.0	28.7	4.7	68.9	2.8	3.2												
			2	26.8	8.0	28.7	4.7	68.9	2.7	3.4												
	Bottom	6.6	1	26.7	8.0	28.9	4.7	69.0	2.7	2.6												
			2	26.7	8.0	28.9	4.7	69.0	2.8	2.9												
																4.7						
	TCE-WQM2b	Sunny	Moderate	7:32	10.1	Surface	1.0	1	27.2	8.0	27.9	5.4	79.1	1.5	2.5				5.3	2.6	3.0	
			2	27.2	8.0	27.9	5.4	79.1	1.4	2.3												
	Middle	5.1	1	27.1	8.0	28.0	5.2	75.9	2.7	2.8												
			2	27.1	8.0	28.0	5.2	75.9	2.7	3.1												
	Bottom	9.1	1	27.1	8.0	28.0	5.2	76.5	3.6	3.6												
			2	27.1	8.0	28.0	5.2	76.6	3.7	3.4												
																5.2						
	TCE-WQM3A	Sunny	Calm	7:55	4.4	Surface	1.0	1	27.8	8.1	26.7	5.3	78.1	5.7	5.5				5.3	5.6	6.2	
			2	27.9	8.1	26.6	5.3	78.2	5.6	5.3												
	Bottom	3.4	1	26.8	8.0	28.6	3.8	55.6	5.5	7.2												
			2	26.8	8.0	28.6	3.8	55.8	5.5	7.2												
	Bottom	3.4	1	26.8	8.0	28.6	3.8	55.8	5.5	7.2												
			2	26.8	8.0	28.6	3.8	55.8	5.5	7.2												
																3.8						
TCE-WQM4	Sunny	Calm	8:05	4.1	Surface	1.0	1	27.9	8.1	27.1	6.8	101.3	1.6	3.8	6.8				3.0	4.8		
		2	27.9	8.1	27.1	6.8	101.2	1.6	4.0													
Bottom	3.1	1	27.6	8.1	27.6	5.8	85.2	4.3	5.4													
		2	27.6	8.1	27.6	5.8	86.0	4.3	5.9													
Bottom	3.1	1	27.6	8.1	27.6	5.8	85.2	4.3	5.4													
		2	27.6	8.1	27.6	5.8	86.0	4.3	5.9													
															5.8							
2022-09-05	Mid-Flood	TCE-C1	Fine	Rough	18:48	7.8	Surface	1.0	1	26.0	8.1	28.3	5.4	79.7				6.0	7.4	5.3	6.6	6.4
									2	26.0	8.1	28.3	5.4	79.7				6.0	6.9			
							Middle	3.9	1	25.9	8.1	28.5	5.2	77.1				7.3	6.4			
									2	25.9	8.1	28.5	5.2	77.1				7.3	6.1			
							Bottom	6.8	1	25.8	8.1	28.9	5.1	74.5	6.6	5.8						
									2	25.8	8.1	28.9	5.1	74.7	6.6	5.5						
																5.1						
		TCE-C2	Fine	Moderate	20:48	13.6	Surface	1.0	1	26.8	8.2	27.3	6.9	101.9	1.1				5.7	5.9	2.3	4.8
				2	26.8	8.2	27.3	6.9	101.8	1.0	5.2											
		Middle	6.8	1	25.6	8.1	28.9	5.0	73.3	2.4	4.6											
				2	25.6	8.1	28.9	5.0	73.3	2.4	5.0											
		Bottom	12.6	1	25.4	8.1	29.5	4.5	66.1	3.5	4.0											
				2	25.4	8.1	29.5	4.5	66.3	3.5	4.3											
																	4.5					
		TCE-WQM1	Fine	Moderate	19:32	8.3	Surface	1.0	1	27.2	8.2	27.2	7.1	106.5	2.4	5.1				7.3	2.7	4.5
				2	27.2	8.2	27.2	7.2	106.6	2.5	5.0											
		Middle	4.2	1	27.1	8.3	27.3	7.5	111.0	1.9	4.6											
				2	27.1	8.3	27.3	7.5	111.0	1.9	4.3											
		Bottom	7.3	1	26.4	8.2	28.0	5.8	85.7	3.8	3.8											
				2	26.4	8.2	28.0	5.8	85.6	3.8	4.0											
																	5.8					
	TCE-WQM2a	Fine	Moderate	20:10	6.3	Surface	1.0	1	26.7	8.2	27.4	6.7	98.4	1.3	4.6	6.4				3.8	3.8	
			2	26.7	8.2	27.4	6.7	98.4	1.3	4.3												
	Middle	3.2	1	26.3	8.2	27.7	6.1	90.2	2.9	3.9												
			2	26.3	8.2	27.7	6.1	90.2	2.9	3.7												
	Bottom	5.3	1	26.2	8.2	28.1	5.8	85.3	7.3	3.1												
			2	26.2	8.2	28.1	5.8	85.3	7.3	3.4												
																5.8						
	TCE-WQM2b	Fine	Moderate	20:24	9.4	Surface	1.0	1	26.6	8.2	27.3	6.4	94.7	1.5	4.2				6.1	2.5	4.7	
			2	26.6	8.2	27.3	6.4	94.7	1.5	4.0												
	Middle	4.7	1	26.3	8.1	27.8	5.7	84.6	2.7	4.5												
			2	26.3	8.1	27.8	5.7	84.6	2.8	4.8												
	Bottom	8.4	1	26.1	8.1	28.2	5.3	77.8	3.3	5.0												
			2	26.1	8.1	28.2	5.3	77.9	3.3	5.4												
																5.3						
	TCE-WQM3A	Fine	Moderate	19:59	3.9	Surface	1.0	1	26.6	8.2	27.6	6.6	98.3	4.7	5.5				6.6	4.1	6.0	
			2	26.6	8.2	27.6	6.6	98.3	4.6	5.3												
	Bottom	2.9	1	26.5	8.2	27.8	6.3	93.0	3.6	6.4												
			2	26.5	8.2	27.8	6.3	92.9	3.5	6.8												
	Bottom	2.9	1	26.5	8.2	27.8	6.3	93.0	3.6	6.4												
			2	26.5	8.2	27.8	6.3	92.9	3.5	6.8												
																6.3						
TCE-WQM4	Fine	Moderate	19:48	3.4	Surface	1.0	1	27.2	8.2	27.2	7.2	107.9	2.3	6.6	7.2				1.9	7.9		
		2	27.2	8.2	27.2	7.2	108.0	2.2	6.8													
Bottom	2.4	1	27.1	8.3	27.3	7.6	112.9	1.7	8.8													
		2	27.1	8.3	27.3	7.6	112.9	1.7	8.8													
Bottom	2.4	1	27.1	8.3	27.3	7.6	112.9	1.7	8.8													
		2	27.1	8.3	27.3	7.6	112.8	1.6	9.2													

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)
2022-09-07	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:20	7.8	Surface	1.0	1	27.1	8.4	27.4	8.2	120.7	1.0	6.9	7.4	8.2	8.2
									2	27.1	8.4	27.4	8.2	120.7	1.0	7.1			
							Middle	3.9	1	26.9	8.3	29.0	6.6	97.8	11.7	7.7			
									2	26.9	8.3	29.0	6.6	97.6	11.6	8.1			
							Bottom	6.8	1	26.9	8.3	29.2	6.5	95.3	12.0	9.8			
									2	26.9	8.3	29.2	6.5	95.3	12.1	9.5			
		TCE-C2	Cloudy	Moderate	9:28	14.0	Surface	1.0	1	27.0	8.2	28.4	7.1	104.9	1.8	4.9	6.1	3.0	4.2
									2	27.0	8.2	28.4	7.1	104.8	1.7	4.6			
							Middle	7.0	1	26.6	8.0	29.4	5.1	74.4	2.6	4.4			
									2	26.6	8.0	29.5	5.1	74.4	2.5	4.2			
							Bottom	13.0	1	26.4	8.0	29.9	4.8	69.8	4.6	3.5			
									2	26.4	8.0	29.9	4.8	69.9	4.6	3.7			
	TCE-WQM1	Cloudy	Moderate	10:44	7.8	Surface	1.0	1	27.7	8.3	28.4	7.9	116.9	5.8	8.3	7.5	7.0	7.9	
								2	27.7	8.3	28.4	7.8	116.3	6.0	8.6				
						Middle	3.9	1	27.5	8.3	28.6	7.1	106.0	6.6	7.7				
								2	27.4	8.3	28.7	7.1	105.8	6.7	8.0				
						Bottom	6.8	1	27.2	8.2	29.0	6.3	93.0	8.4	7.2				
								2	27.2	8.2	29.0	6.3	92.9	8.4	7.5				
	TCE-WQM2a	Cloudy	Moderate	10:10	7.3	Surface	1.0	1	27.3	8.3	28.6	7.3	108.6	5.6	4.3	6.3	7.7	6.1	
								2	27.3	8.3	28.6	7.3	108.6	5.6	4.7				
						Middle	3.7	1	26.8	8.1	29.4	5.3	77.5	4.1	5.7				
								2	26.8	8.1	29.4	5.3	77.4	4.2	6.1				
						Bottom	6.3	1	26.6	8.1	29.7	5.0	72.8	13.1	7.9				
								2	26.6	8.1	29.6	5.0	73.1	13.4	7.6				
TCE-WQM2b	Cloudy	Moderate	9:59	11.3	Surface	1.0	1	27.4	8.3	28.0	7.7	113.7	2.6	5.3	7.4	5.9	4.8		
							2	27.4	8.3	28.0	7.7	113.5	2.6	5.5					
					Middle	5.7	1	27.3	8.3	28.3	7.2	105.7	3.6	4.6					
							2	27.3	8.3	28.3	7.1	105.3	3.8	4.9					
					Bottom	10.3	1	27.0	8.2	29.0	6.1	89.6	11.5	4.2					
							2	27.0	8.2	29.0	6.1	89.8	11.6	4.4					
TCE-WQM3A	Cloudy	Moderate	10:22	4.3	Surface	1.0	1	27.5	8.2	28.0	6.8	100.5	13.9	3.6	6.8	12.8	4.8		
							2	27.5	8.2	28.0	6.8	100.5	13.9	3.9					
					Bottom	3.3	1	27.4	8.2	28.3	6.8	100.2	11.5	6.0					
							2	27.4	8.2	28.3	6.8	100.3	11.7	5.7					

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

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-09-09	Mid-Ebb	TCE-C1	Misty	Moderate	12:23	8.0	Surface	1.0	1	27.6	8.5	29.1	6.5	96.9	6.3	5.4	6.5	7.4	7.1
									2	27.5	8.5	29.2	6.5	96.7	6.4	5.7			
							Middle	4.0	1	27.4	8.5	29.4	6.4	95.6	7.6	6.9			
									2	27.4	8.5	29.4	6.4	95.5	7.6	7.1			
							Bottom	7.0	1	27.4	8.5	29.5	6.4	95.6	8.1	8.5			
									2	27.4	8.5	29.5	6.4	95.7	8.1	9.2			
		TCE-C2	Misty	Moderate	10:35	10.6	Surface	1.0	1	27.0	8.4	29.1	6.0	88.6	3.0	4.6	5.5	4.2	4.7
									2	26.9	8.4	29.2	5.9	87.5	3.1	4.2			
							Middle	5.3	1	26.8	8.4	29.6	5.0	74.4	4.3	5.2			
									2	26.8	8.4	29.6	5.0	74.4	4.3	4.5			
							Bottom	9.6	1	26.8	8.4	29.5	5.2	76.2	5.3	4.4			
									2	26.8	8.4	29.5	5.2	76.6	5.3	5.0			
		TCE-WQM1	Misty	Moderate	11:47	7.0	Surface	1.0	1	27.5	8.6	28.6	6.3	92.9	4.5	4.7	6.3	5.6	5.8
									2	27.5	8.6	28.6	6.3	92.9	4.6	5.4			
							Middle	3.5	1	27.5	8.6	28.6	6.3	93.0	5.1	6.6			
									2	27.5	8.6	28.6	6.3	93.0	5.2	6.0			
							Bottom	6.0	1	27.5	8.6	28.6	6.3	93.2	7.0	6.4			
									2	27.5	8.6	28.6	6.3	93.3	7.0	5.9			
	TCE-WQM2a	Misty	Moderate	11:16	6.2	Surface	1.0	1	27.4	8.3	28.8	5.9	87.2	7.3	3.6	5.9	8.2	3.8	
								2	27.4	8.3	28.8	5.9	87.2	7.3	2.7				
						Middle	3.1	1	27.3	8.3	28.8	5.9	86.7	8.0	4.2				
								2	27.3	8.3	28.8	5.9	86.8	8.0	3.4				
						Bottom	5.2	1	27.3	8.3	28.8	6.0	89.0	9.4	4.2				
								2	27.3	8.3	28.8	6.0	89.0	9.4	4.8				
	TCE-WQM2b	Misty	Moderate	11:04	9.0	Surface	1.0	1	27.4	8.6	28.4	6.0	89.5	5.6	4.2	6.1	6.5	5.0	
								2	27.4	8.6	28.4	6.0	89.4	5.6	4.9				
						Middle	4.5	1	27.4	8.6	28.6	6.1	89.9	6.1	5.1				
								2	27.4	8.6	28.6	6.1	90.0	6.1	5.5				
						Bottom	8.0	1	27.4	8.6	28.5	6.2	91.7	7.7	4.8				
								2	27.4	8.6	28.5	6.2	92.1	7.6	5.7				
	TCE-WQM3A	Misty	Moderate	11:26	4.0	Surface	1.0	1	27.5	8.3	28.2	6.4	95.0	7.2	3.1	6.4	7.7	3.4	
								2	27.5	8.3	28.2	6.4	95.2	7.3	3.7				
						Bottom	3.0	1	27.5	8.3	28.2	6.5	96.3	8.1	3.7				
								2	27.5	8.3	28.2	6.5	96.7	8.2	3.2				
						Bottom	5.2	1	27.3	8.3	28.8	6.0	89.0	9.4	4.2				
								2	27.3	8.3	28.8	6.0	89.0	9.4	4.8				
TCE-WQM4	Misty	Moderate	11:36	4.2	Surface	1.0	1	27.6	8.2	28.6	6.3	93.6	6.2	3.8	6.3	6.8	4.3		
							2	27.6	8.2	28.6	6.3	93.7	6.1	3.1					
					Bottom	3.2	1	27.6	8.3	28.6	6.4	95.6	7.4	5.3					
							2	27.6	8.3	28.6	6.4	95.6	7.4	5.3					
					Bottom	3.2	1	27.6	8.3	28.6	6.5	96.3	7.5	5.0					
							2	27.6	8.3	28.6	6.5	97.1	7.5	3.8					
2022-09-09	Mid-Flood	TCE-C1	Misty	Moderate	17:38	8.0	Surface	1.0	1	27.7	8.4	29.0	6.5	97.1	6.5	3.8	6.5	7.4	4.7
									2	27.7	8.4	29.0	6.5	97.1	6.5	4.3			
							Middle	4.0	1	27.4	8.4	29.5	6.4	95.7	7.4	4.6			
									2	27.4	8.4	29.5	6.4	95.7	7.5	5.4			
							Bottom	7.0	1	27.6	8.4	29.5	6.5	96.7	8.2	4.9			
									2	27.6	8.4	29.4	6.5	96.9	8.3	5.2			
		TCE-C2	Misty	Moderate	19:44	9.4	Surface	1.0	1	27.7	8.2	28.7	6.1	90.1	7.1	24.0	6.1	8.2	17.9
									2	27.7	8.2	28.7	6.1	90.3	7.1	23.9			
							Middle	4.7	1	27.7	8.2	28.7	6.2	91.9	8.1	15.2			
									2	27.7	8.2	28.7	6.2	92.1	8.1	15.2			
							Bottom	8.4	1	27.6	8.2	28.7	6.2	92.8	9.3	15.0			
									2	27.6	8.2	28.7	6.2	92.9	9.2	14.3			
		TCE-WQM1	Misty	Moderate	18:44	6.2	Surface	1.0	1	27.9	8.5	28.5	6.6	99.1	5.2	6.4	6.6	6.3	5.5
									2	27.9	8.5	28.5	6.6	98.9	5.1	6.0			
							Middle	3.1	1	27.8	8.5	28.5	6.6	98.7	6.2	6.8			
									2	27.8	8.5	28.5	6.6	98.8	6.1	6.1			
							Bottom	5.2	1	27.9	8.5	28.5	6.6	99.2	7.6	3.7			
									2	28.0	8.5	28.4	6.6	99.3	7.5	4.2			
		TCE-WQM2a	Misty	Moderate	19:13	7.6	Surface	1.0	1	27.7	8.2	28.7	6.5	96.5	6.0	7.0	6.3	7.0	6.8
									2	27.7	8.2	28.7	6.5	96.5	6.0	7.6			
							Middle	3.8	1	27.6	8.2	28.7	6.2	91.6	7.2	7.7			
									2	27.6	8.2	28.7	6.1	91.5	7.1	7.8			
							Bottom	6.6	1	27.7	8.2	28.7	6.2	92.7	8.0	4.8			
									2	27.8	8.2	28.6	6.3	94.6	8.0	5.8			
		TCE-WQM2b	Misty	Moderate	19:23	9.0	Surface	1.0	1	27.6	8.2	28.1	6.1	91.2	6.3	6.0	6.2	7.5	6.4
									2	27.6	8.2	28.1	6.2	91.3	6.3	6.2			
							Middle	4.5	1	27.6	8.2	28.1	6.3	92.8	7.7	6.0			
									2	27.6	8.2	28.1	6.3	93.1	7.6	6.5			
							Bottom	8.0	1	27.6	8.2	28.1	6.4	94.2	8.4	6.3			
									2	27.6	8.2	28.1	6.4	94.6	8.5	7.1			
		TCE-WQM3A	Misty	Moderate	19:05	4.2	Surface	1.0	1	27.7	8.3	28.5	6.7	99.2	5.4	6.2	6.7	5.7	6.5
									2	27.6	8.3	28.5	6.7	99.1	5.5	5.6			
							Bottom	3.2	1	27.6	8.3	28.5	6.8	100.7	6.0	6.7			
									2	27.6	8.3	28.5	6.8	101.6	6.1	7.4			
							Bottom	3.2	1	27.7	8.3	28.6	6.6	97.6	7.8	7.0			
									2	27.7	8.3	28.6	6.6	97.6	7.8	7.2			
TCE-WQM4	Misty	Moderate	18:56	4.8	Surface	1.0	1	27.7	8.3	28.6	6.6	97.6	7.8	7.0	6.6	8.1	6.8		
							2	27.7	8.3	28.6	6.6	97.6	7.8	7.2					
					Bottom	3.8	1	27.7	8.3	28.5	6.7	99.0	8.4	6.8					
							2	27.7	8.3	28.5	6.7	99.0	8.4	6.8					
					Bottom	3.8	1	27.7	8.3	28.5	6.7	99.0	8.4	6.8					
							2	27.7	8.3	28.5	6.7	99.0	8.5	6.1					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
2022-09-12	Mid-Ebb	TCE-C1	Fine	Moderate	12:39	8.7	Surface	1.0	1	28.6	8.3	30.3	5.8	88.0	5.3	7.7	5.7	9.2	8.3	
									2	28.6	8.3	30.3	5.8	87.8	5.5	7.2				
							Middle	4.4	1	28.4	8.3	30.8	5.6	85.8	8.0	8.0				
								2	28.4	8.3	30.8	5.6	85.6	8.2	9.7					
		Bottom					7.7	1	28.2	8.3	31.8	5.5	83.8	14.3	9.3					
								2	28.2	8.3	31.8	5.5	83.9	14.2	7.9					
			TCE-C2	Fine	Moderate	14:36	14.4	Surface	1.0	1	28.9	8.4	30.1	5.4	82.7	3.9	9.0	5.1	5.7	8.1
								2	28.9	8.4	30.2	5.4	82.5	4.1	7.8					
	Middle	7.2						1	28.1	8.5	31.3	4.7	71.9	5.4	7.8					
			2					28.1	8.5	31.3	4.7	71.6	5.5	7.0						
	Bottom	13.4	1					27.8	8.6	32.2	4.6	69.8	7.8	8.7						
			2					27.8	8.6	32.2	4.6	69.9	7.8	8.1						
			TCE-WQM1	Fine	Calm	13:30	8.6	Surface	1.0	1	28.8	8.4	29.8	5.4	81.7	10.0	9.4	5.4	11.2	8.3
								2	28.8	8.5	29.8	5.4	81.7	9.8	9.0					
	Middle	4.3						1	28.8	8.5	29.8	5.4	81.7	11.6	8.3					
			2					28.8	8.5	29.8	5.4	81.7	11.5	8.0						
Bottom	7.6	1	28.8					8.6	29.8	5.4	82.1	12.3	7.7							
		2	28.8					8.6	29.8	5.4	82.3	12.3	7.5							
		TCE-WQM2a	Fine	Moderate	14:01	7.6	Surface	1.0	1	28.7	8.2	30.0	5.3	81.4	4.6	7.7	5.3	5.6	9.1	
							2	28.7	8.2	30.0	5.3	81.4	4.6	8.0						
Middle	3.8						1	28.6	8.2	30.0	5.2	79.9	4.8	8.9						
		2					28.6	8.2	30.0	5.2	79.8	4.9	8.5							
Bottom	6.6	1					28.2	8.2	30.9	5.0	75.6	7.4	10.6							
		2					28.2	8.2	30.9	5.0	75.9	7.5	11.1							
		TCE-WQM2b	Fine	Moderate	14:13	12.7	Surface	1.0	1	28.9	8.2	29.8	5.3	80.5	5.3	8.5	5.0	7.9	8.9	
							2	28.9	8.2	29.8	5.3	80.3	5.5	8.4						
Middle	6.4						1	28.0	8.2	31.5	4.7	71.2	7.8	9.2						
		2					28.0	8.2	31.6	4.7	70.9	7.8	9.5							
Bottom	11.7	1					27.8	8.2	31.9	4.6	70.7	10.3	8.8							
		2					27.8	8.2	31.9	4.7	70.9	10.4	9.2							
		TCE-WQM3A	Fine	Calm	13:51	4.3	Surface	1.0	1	29.1	8.2	29.6	5.4	83.6	4.6	7.8	5.4	5.6	7.5	
							2	29.1	8.2	29.6	5.4	83.1	4.7	7.6						
Bottom	3.3						1	29.0	8.2	29.8	5.4	82.0	6.6	7.6						
		2					29.0	8.2	29.7	5.4	82.4	6.4	6.8							
Surface	1.0	1					29.1	8.3	30.0	5.4	82.2	5.9	8.0							
		2					29.0	8.3	30.0	5.3	81.9	6.1	7.3							
		TCE-WQM4	Fine	Calm	13:40	4.3	Surface	1.0	1	28.8	8.3	30.0	5.3	81.6	6.6	8.3	5.3	6.3	7.8	
							2	28.8	8.3	30.0	5.3	81.7	6.8	7.5						
Middle	4.5						1	28.4	8.3	31.0	5.6	85.5	12.3	8.0						
		2					28.4	8.3	31.1	5.6	85.4	12.4	7.6							
Bottom	8.0	1					28.2	8.3	31.9	5.5	84.8	15.6	8.3							
		2					28.2	8.3	31.9	5.6	85.0	15.6	7.7							
2022-09-12	Mid-Flood	TCE-C1	Fine	Moderate	9:21	9.0	Surface	1.0	1	28.6	8.3	30.1	5.8	88.3	5.5	9.4	5.7	11.1	8.2	
									2	28.5	8.3	30.1	5.8	88.2	5.5	8.2				
							Middle	4.5	1	28.4	8.3	31.0	5.6	85.5	12.3	8.0				
								2	28.4	8.3	31.1	5.6	85.4	12.4	7.6					
		Bottom					8.0	1	28.2	8.3	31.9	5.5	84.8	15.6	8.3					
								2	28.2	8.3	31.9	5.6	85.0	15.6	7.7					
			TCE-C2	Fine	Moderate	7:13	15.1	Surface	1.0	1	28.4	8.0	30.4	5.2	79.1	3.7	7.8	5.1	7.5	7.8
								2	28.4	8.0	30.4	5.2	79.0	3.7	8.2					
	Middle	7.6						1	28.2	8.0	30.8	5.0	75.5	5.1	8.1					
			2					28.2	8.0	30.9	4.9	75.1	5.2	8.0						
	Bottom	14.1	1					28.1	8.0	31.3	4.8	73.8	13.8	7.4						
			2					28.1	8.0	31.3	4.9	73.8	13.6	7.4						
			TCE-WQM1	Fine	Calm	8:33	9.2	Surface	1.0	1	28.7	8.1	30.1	5.1	78.5	8.4	7.0	5.1	9.9	7.4
								2	28.7	8.1	30.1	5.1	78.5	8.7	7.7					
	Middle	4.6						1	28.7	8.1	30.1	5.1	78.5	10.3	7.9					
			2					28.7	8.1	30.1	5.1	78.6	10.4	7.2						
	Bottom	8.2	1					28.7	8.1	30.1	5.2	79.4	11.0	6.8						
			2					28.7	8.1	30.1	5.2	79.5	10.9	7.9						
			TCE-WQM2a	Fine	Moderate	7:59	8.1	Surface	1.0	1	28.7	8.1	29.4	5.4	82.4	5.7	8.5	5.4	10.2	7.6
								2	28.7	8.1	29.4	5.4	82.4	5.7	7.3					
	Middle	4.1						1	28.6	8.1	29.5	5.3	80.4	11.7	7.3					
			2					28.6	8.1	29.6	5.3	80.4	11.9	7.0						
	Bottom	7.1	1					28.6	8.1	29.7	5.3	80.9	13.1	7.9						
			2					28.6	8.1	29.7	5.3	81.0	13.1	7.4						
		TCE-WQM2b	Fine	Moderate	7:37	13.5	Surface	1.0	1	28.6	8.1	29.9	5.2	79.0	5.7	6.7	5.2	9.3	6.7	
							2	28.6	8.1	29.9	5.2	79.0	5.6	6.6						
Middle	6.8						1	28.6	8.1	29.9	5.2	78.9	7.0	7.6						
		2					28.6	8.1	29.9	5.2	78.9	7.1	6.2							
Bottom	12.5	1					28.5	8.1	29.9	5.2	79.0	15.1	6.8							
		2					28.5	8.1	29.9	5.2	79.1	15.2	6.4							
		TCE-WQM3A	Fine	Calm	8:10	4.5	Surface	1.0	1	28.6	8.1	29.7	5.3	80.9	6.0	7.8	5.3	6.3	7.6	
							2	28.6	8.1	29.7	5.3	80.8	6.1	7.0						
Bottom	3.5						1	28.5	8.1	29.9	5.3	81.1	6.5	7.2						
		2					28.5	8.1	29.9	5.3	81.3	6.5	8.2							
Surface	1.0	1					28.6	8.1	29.7	5.3	80.7	6.3	8.9							
		2					28.6	8.1	29.7	5.3	80.6	8.3	7.6							
		TCE-WQM4	Fine	Calm	8:20	4.6	Surface	1.0	1	28.6	8.1	29.8	5.3	80.3	10.2	7.7	5.3	9.3	8.3	
							2	28.6	8.1	29.8	5.3	80.3	10.2	7.6						
Middle	4.5						1	28.4	8.3	31.0	5.6	85.5	12.3	8.0						
		2					28.4	8.3	31.1	5.6	85.4	12.4	7.6							
Bottom	8.0	1					28.2	8.3	31.9	5.5	84.8	15.6	8.3							
		2					28.2	8.3	31.9	5.6	85.0	15.6	7.7							

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

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged												
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)										
2022-09-14	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:39	8.4	Surface	1.0	1	28.8	8.1	29.8	6.3	96.4	7.2	4.2	6.2	9.9	3.6										
									2	28.8	8.1	29.8	6.3	96.2	7.3	4.6													
							Middle	4.2	1	28.6	8.1	30.3	6.1	94.2	9.8	3.6													
									2	28.6	8.1	30.3	6.1	94.0	10.0	3.9													
							Bottom	7.4	1	28.4	8.1	31.3	6.0	92.2	12.7	2.9													
									2	28.4	8.1	31.2	6.0	92.3	12.6	2.5													
				6.0																									
				TCE-C2	Cloudy	Moderate	15:36	13.8	Surface	1.0	1	29.1	8.1	29.6	5.9	91.1	5.8	5.2	5.6	7.6	4.4								
									2	29.1	8.1	29.7	5.9	90.9	5.9	4.8													
		Middle	6.9						1	28.3	8.1	30.8	5.2	80.3	7.2	4.5													
									2	28.3	8.1	30.8	5.2	80.0	7.3	4.2													
		Bottom	12.8						1	28.0	8.2	31.7	5.1	78.2	9.7	3.7													
			2						28.0	8.2	31.7	5.1	78.3	9.7	4.0														
			5.1																										
			TCE-WQM1	Cloudy	Moderate	14:30	8.5	Surface	1.0	1	29.0	8.1	29.3	5.9	90.1	11.8	5.5	5.9	10.7	4.8									
								2	29.0	8.2	29.3	5.9	90.1	11.6	5.3														
	Middle	4.3						1	29.0	8.1	29.3	5.9	90.1	9.9	4.6														
								2	29.0	8.1	29.3	5.9	90.1	9.9	4.8														
	Bottom	7.5						1	29.0	8.1	29.3	5.9	90.5	10.7	4.3														
								2	29.0	8.1	29.3	5.9	90.7	10.6	4.4														
			5.9																										
			TCE-WQM2a	Cloudy	Moderate	15:01	7.6	Surface	1.0	1	28.9	8.0	29.5	5.8	89.8	6.4	3.9	5.8	7.5	3.1									
								2	28.9	8.0	29.5	5.8	89.8	6.4	3.5														
	Middle	3.8						1	28.8	8.0	29.5	5.8	88.3	6.6	3.2														
								2	28.8	8.0	29.5	5.8	88.2	6.7	3.0														
	Bottom	6.6						1	28.4	8.1	30.4	5.5	84.0	9.2	2.6														
								2	28.4	8.1	30.4	5.5	84.3	9.4	2.4														
			5.5																										
			TCE-WQM2b	Cloudy	Moderate	15:13	11.5	Surface	1.0	1	29.1	8.0	29.3	5.8	88.9	7.2	3.1	5.5	9.7	4.1									
								2	29.1	8.0	29.3	5.8	88.7	7.4	2.8														
	Middle	5.8						1	28.2	8.0	31.0	5.2	79.6	9.6	4.1														
								2	28.2	8.0	31.1	5.2	79.3	9.7	4.4														
	Bottom	10.5						1	28.0	8.0	31.4	5.2	79.1	12.2	5.4														
								2	28.0	8.0	31.4	5.2	79.3	12.3	5.0														
			5.2																										
			TCE-WQM3A	Cloudy	Moderate	14:51	4.4	Surface	1.0	1	29.3	8.0	29.1	6.0	92.0	6.4	3.4	5.9	7.4	4.5									
		2						29.3	8.0	29.1	5.9	91.5	6.6	3.8															
Bottom	3.4	1						29.2	8.0	29.2	5.9	90.4	8.4	5.6															
		2						29.2	8.0	29.2	5.9	90.8	8.3	5.3															
		5.9																											
		TCE-WQM4						Cloudy	Moderate	14:41	3.5	Surface	1.0	1	29.3	8.1	29.4				5.9	90.6	7.8	3.5	5.9	8.2	4.6		
			2	29.2	8.1	29.4	5.9					90.3	7.9	3.9															
Bottom	2.5		1	29.0	8.1	29.5	5.9					90.0	8.5	5.4															
			2	29.0	8.1	29.5	5.9					90.1	8.6	5.7															
			5.9																										
2022-09-14	Mid-Flood	TCE-C1	Cloudy	Moderate	10:46	8.4	Surface	1.0	1	28.8	8.3	30.3	6.3	96.7	7.4	3.4	6.2	10.7	2.8										
									2	28.7	8.3	30.3	6.3	96.6	7.4	3.2													
							Middle	4.2	1	28.6	8.4	31.3	6.1	93.9	10.6	2.9													
									2	28.6	8.4	31.3	6.1	93.8	10.7	2.6													
							Bottom	7.4	1	28.4	8.4	32.1	6.0	93.2	13.9	2.0													
									2	28.4	8.4	32.1	6.0	93.4	13.9	2.4													
									6.0																				
									TCE-C2	Cloudy	Moderate	8:38	13.4	Surface	1.0	1				28.6	8.1	30.6	5.7	87.5	5.5	2.8	5.6	8.2	3.4
														2	28.6	8.1				30.6	5.7	87.4	5.5	3.0					
							Middle	6.7						1	28.4	8.0				31.1	5.5	83.9	6.9	3.3					
														2	28.4	8.0				31.1	5.4	83.5	7.0	3.4					
							Bottom	12.4						1	28.3	8.0				31.6	5.3	82.2	12.1	4.1					
				2	28.3	8.0	31.5	5.3						82.2	11.9	3.8													
				5.3																									
				TCE-WQM1	Cloudy	Moderate	9:58	7.9	Surface	1.0	1	28.9	8.2	30.4	5.6	86.9	10.3	2.4	5.6	11.8	3.4								
									2	28.9	8.2	30.4	5.6	86.9	10.5	2.8													
		Middle	4.0						1	28.9	8.2	30.4	5.6	86.9	12.2	3.5													
									2	28.9	8.2	30.4	5.6	87.0	12.2	3.3													
		Bottom	6.9						1	28.9	8.2	30.4	5.7	87.8	12.9	4.2													
									2	28.9	8.2	30.4	5.7	87.9	12.7	3.9													
				5.7																									
				TCE-WQM2a	Cloudy	Moderate	9:24	7.2	Surface	1.0	1	28.9	8.2	29.6	5.9	90.8	7.5	4.5	5.8	9.7	3.3								
									2	28.9	8.2	29.6	5.9	90.8	7.5	4.2													
		Middle	3.6						1	28.8	8.2	29.8	5.8	88.8	10.1	3.2													
			2						28.8	8.2	29.8	5.8	88.8	10.3	2.9														
	Bottom	6.2	1						28.8	8.2	29.9	5.8	89.3	11.5	2.2														
			2						28.8	8.2	29.9	5.8	89.4	11.4	2.5														
			5.8																										
			TCE-WQM2b	Cloudy	Moderate	9:02	11.8	Surface	1.0	1	28.8	8.1	30.1	5.7	87.4	7.5	2.2	5.7	9.9	3.1									
								2	28.8	8.1	30.1	5.7	87.4	7.4	2.5														
	Middle	5.9						1	28.8	8.1	30.1	5.7	87.3	8.9	2.9														
								2	28.8	8.1	30.1	5.7	87.3	8.9	3.2														
	Bottom	10.8						1	28.7	8.1	30.2	5.7	87.4	13.4	3.6														
								2	28.7	8.1	30.2	5.7	87.5	13.5	3.9														
			5.7																										
			TCE-WQM3A	Cloudy	Moderate	9:35	4.6	Surface	1.0	1	28.8	8.2	30.0	5.8	89.3	7.9	2.6	5.8	8.1	2.3									
								2	28.8	8.2	30.0	5.8	89.2	8.0	2.9														
	Bottom	3.6						1	28.7	8.2	30.1	5.8	89.5	8.4	1.9														
								2	28.7	8.2	30.2	5.8	89.7	8.3	1.7														
								5.8																					
								TCE-WQM4	Cloudy	Moderate	9:45	3.5	Surface	1.0	1	28.8	8.2				30.0	5.8	89.1	10.1	4.0	5.8	11.1	3.3	
			2	28.8	8.2	30.0	5.8						89.0	10.1	3.6														
	Bottom	2.5	1	28.8	8.2	30.0	5.8						88.7	12.1	2.8														
			2	28.8	8.2	30.0	5.8						88.7	12.2	2.6														
			5.8																										

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)								
2022-09-16	Mid-Ebb	TCE-C1	Misty	Moderate	14:46	8.0	Surface	1.0	1	28.0	8.0	31.1	4.7	70.8	2.6	2.0	4.6	3.5	2.5								
									2	27.9	8.0	31.4	4.6	70.4	2.6	2.3											
							Middle	4.0	1	28.0	8.0	31.5	4.6	70.5	3.3	2.0											
									2	28.1	8.0	31.4	4.6	70.8	3.3	3.3											
							Bottom	7.0	1	28.3	8.0	31.4	4.7	72.4	4.8	3.1											
									2	28.4	8.0	31.3	4.8	73.9	4.7	2.0											
										4.8																	
		TCE-C2	Misty	Moderate	16:24	12.6	Surface	1.0	1	27.9	8.0	29.6	4.8	73.1	3.3	5.8	4.8	4.8	4.7								
									2	27.9	8.0	29.6	4.8	72.9	3.3	7.0											
							Middle	6.3	1	27.9	8.0	29.6	4.8	72.7	4.9	3.1											
									2	27.9	8.0	29.6	4.7	72.7	4.9	4.8											
							Bottom	11.6	1	27.9	8.0	29.5	5.0	76.3	6.2	4.6											
								2	27.9	8.0	29.5	5.0	76.6	6.2	3.1												
									5.0																		
	TCE-WQM1	Misty	Moderate	15:18	8.6	Surface	1.0	1	28.3	8.0	30.2	5.1	78.9	1.8	2.8	5.2	2.8	3.1									
								2	28.2	8.0	30.2	5.2	79.0	1.8	3.1												
						Middle	4.3	1	28.2	8.0	30.2	5.2	79.5	2.8	4.4												
								2	28.2	8.0	30.2	5.2	79.9	2.9	2.5												
						Bottom	7.6	1	28.9	8.0	30.2	5.6	85.6	3.8	2.8												
								2	28.8	8.0	30.3	5.7	86.8	3.8	3.0												
									5.6																		
	TCE-WQM2a	Misty	Moderate	15:52	8.2	Surface	1.0	1	28.3	8.1	29.9	5.3	81.9	2.9	3.1	5.3	4.4	2.7									
								2	28.3	8.1	29.9	5.3	81.9	2.9	1.9												
						Middle	4.1	1	28.3	8.1	29.9	5.3	82.0	4.9	1.9												
								2	28.3	8.1	29.9	5.4	82.6	4.9	2.7												
						Bottom	7.2	1	28.3	8.1	29.8	5.6	85.8	5.3	3.8												
								2	28.3	8.1	29.7	5.6	87.1	5.3	2.5												
								5.6																			
TCE-WQM2b	Misty	Moderate	16:02	10.2	Surface	1.0	1	27.9	8.1	29.6	4.9	75.1	2.6	2.3	4.9	3.7	2.4										
							2	27.9	8.1	29.6	4.9	74.9	2.6	2.7													
					Middle	5.1	1	27.9	8.1	29.7	4.9	75.1	4.0	2.4													
							2	27.9	8.1	29.7	4.9	75.5	4.0	2.0													
					Bottom	9.2	1	27.9	8.1	29.7	5.3	81.5	4.4	3.0													
							2	27.9	8.1	29.7	5.4	83.0	4.4	2.0													
								5.4																			
TCE-WQM3A	Misty	Moderate	15:42	4.0	Surface	1.0	1	28.3	8.1	29.9	5.1	78.9	2.3	2.6	5.1	2.8	3.5										
							2	28.3	8.1	29.9	5.1	78.7	2.3	4.6													
					Bottom	3.0	1	28.3	8.1	29.9	5.3	81.3	3.3	4.2													
							2	28.3	8.1	29.9	5.3	81.6	3.3	2.7													
													5.3														
TCE-WQM4	Misty	Moderate	15:31	4.0	Surface	1.0	1	28.3	8.0	29.9	5.3	82.0	4.6	1.9	5.3	4.9	2.3										
							2	28.3	8.0	29.9	5.3	82.0	4.6	2.7													
					Bottom	3.0	1	28.3	8.0	29.9	5.4	82.9	5.3	2.6													
							2	28.3	8.0	29.9	5.4	82.4	5.3	1.9													
													5.4														
2022-09-16	Mid-Flood	TCE-C1	Misty	Moderate	11:32	8.0	Surface	1.0	1	28.0	8.0	31.2	4.7	71.9	3.5	2.3	4.7	4.6	2.3								
									2	28.0	8.0	31.3	4.7	71.7	3.6	1.8											
							Middle	4.0	1	27.9	8.0	31.5	4.8	72.2	4.5	2.8											
									2	27.9	8.0	31.6	4.8	72.4	4.5	2.4											
							Bottom	7.0	1	27.9	8.1	31.7	4.8	73.4	5.7	2.0											
									2	27.9	8.1	31.6	4.9	73.9	5.7	2.4											
															4.8												
							TCE-C2	Misty	Moderate	9:30	10.6	Surface	1.0	1	27.7	8.0				31.2	4.2	62.8	0.8	2.5	4.1	2.0	2.7
														2	27.7	8.0				31.2	4.1	62.6	0.8	1.8			
												Middle	5.3	1	27.5	8.0				31.5	4.1	61.7	2.0	2.5			
														2	27.5	8.0				31.5	4.1	61.7	2.0	3.5			
												Bottom	9.6	1	27.5	8.0				31.5	4.1	62.3	3.1	3.5			
				2	27.5	8.0						31.4	4.2	62.7	3.1	2.4											
										4.1																	
		TCE-WQM1	Misty	Moderate	10:50	8.2	Surface	1.0	1	28.7	8.1	29.8	5.3	82.0	1.0	2.1	5.5	1.1	2.8								
									2	28.7	8.1	29.7	5.4	83.1	1.0	3.2											
							Middle	4.1	1	28.7	8.1	29.7	5.6	85.5	1.4	3.2											
									2	28.7	8.1	29.7	5.8	88.7	1.4	3.0											
							Bottom	7.2	1	28.7	8.1	29.8	5.7	88.7	1.0	2.6											
									2	28.7	8.1	29.8	5.7	86.8	1.0	2.7											
										5.7																	
		TCE-WQM2a	Misty	Moderate	10:12	6.2	Surface	1.0	1	28.5	8.0	30.2	4.7	71.3	2.3	1.7	4.7	3.8	2.2								
									2	28.5	8.0	30.2	4.7	71.3	2.3	2.9											
							Middle	3.1	1	28.5	8.0	30.2	4.7	71.9	4.2	2.4											
									2	28.5	8.0	30.2	4.7	72.0	4.2	1.8											
							Bottom	5.2	1	28.5	8.0	30.2	4.7	72.3	5.0	2.2											
									2	28.5	8.0	30.2	4.8	72.4	5.0	1.9											
										4.7																	
		TCE-WQM2b	Misty	Moderate	10:01	10.4	Surface	1.0	1	28.5	8.0	30.2	4.8	72.8	4.3	5.2	4.8	5.5	3.2								
									2	28.5	8.0	30.2	4.8	72.8	4.3	4.1											
							Middle	5.2	1	28.5	8.0	30.3	4.8	73.3	5.4	2.0											
									2	28.5	8.0	30.3	4.8	73.5	5.3	2.1											
							Bottom	9.4	1	28.4	8.0	30.4	5.2	79.1	6.8	3.1											
									2	28.3	8.0	30.4	5.3	79.9	6.8	2.4											
										5.2																	
		TCE-WQM3A	Misty	Moderate	10:24	4.0	Surface	1.0	1	28.6	8.0	29.8	5.3	81.6	1.1	4.6	5.3	1.4	3.4								
							2	28.9	8.0	29.9	5.4	81.9	1.0	3.1													
Bottom	3.0						1	28.8	8.0	30.0	5.6	85.5	1.7	2.8													
							2	28.7	8.0	30.0	5.7	87.2	1.7	2.9													
													5.7														
TCE-WQM4	Misty	Moderate	10:34	4.2	Surface	1.0	1	28.7	8.1	29.8	5.1	78.8	2.1	2.9	5.1	1.3	2.6										
							2	28.7	8.1	29.8	5.1	78.9	2.1	1.8													
					Bottom	3.2	1	28.6	8.1	29.8	5.3	80.8	0.5	2.5													
							2	28.6	8.1	29.8	5.3	81.0	0.6	3.0													
													5.3														

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)									
2022-09-19	Mid-Ebb	TCE-C1	Fine	Rough	8:53	7.9	Surface	1.0	1	29.3	8.4	26.3	7.7	116.0	3.6	5.3	7.4	3.2	3.8									
								2	29.3	8.4	26.3	7.7	116.0	3.6	4.7													
								Middle	4.0	1	29.2	8.4	26.8	7.2	108.2	3.0				4.2								
									2	29.2	8.4	26.8	7.2	108.2	3.0	3.1												
								Bottom	6.9	1	29.1	8.4	27.0	7.0	106.0	2.9				3.2								
									2	29.1	8.4	27.0	7.0	105.9	2.9	2.4												
		TCE-C2	Fine	Rough	6:40	14.4	Surface	1.0	1	29.5	8.3	27.1	8.2	124.4	1.5	4.8				7.5	2.9	4.3						
								2	29.5	8.3	27.1	8.2	124.4	1.5	4.7													
								Middle	7.2	1	29.4	8.2	28.1	6.8	104.6	2.8							4.5					
									2	29.4	8.2	28.1	6.8	104.6	2.8	3.9												
								Bottom	13.4	1	28.5	8.0	32.0	4.8	73.7	4.5							3.8					
									2	28.5	8.0	32.0	4.8	73.8	4.5	4.0												
	TCE-WQM1	Fine	Moderate	7:54	9.2	Surface	1.0	1	30.1	8.4	28.1	8.4	129.5	3.2	6.0	7.8	5.1	5.3										
							2	30.1	8.4	28.1	8.4	129.4	3.3	5.6														
							Middle	4.6	1	30.0	8.3	28.5	7.2	111.6	5.5				5.8									
								2	30.0	8.3	28.5	7.2	111.6	5.6	4.7													
							Bottom	8.2	1	29.9	8.2	28.7	6.4	98.6	6.6				4.8									
								2	29.9	8.2	28.7	6.4	98.6	6.6	4.9													
	TCE-WQM2a	Fine	Moderate	7:20	6.8	Surface	1.0	1	29.6	8.4	27.4	8.8	133.9	2.3	2.9	8.3	4.0	3.0										
							2	29.6	8.4	27.4	8.8	133.9	2.3	2.9														
							Middle	3.4	1	29.5	8.4	27.8	7.9	120.8	2.2				3.3									
								2	29.5	8.4	27.8	7.9	120.4	2.2	2.9													
							Bottom	5.8	1	29.5	8.3	28.6	6.9	105.8	7.4				2.9									
								2	29.5	8.3	28.6	6.9	105.8	7.5	3.3													
TCE-WQM2b	Fine	Rough	7:09	9.5	Surface	1.0	1	29.5	8.4	26.4	7.6	115.2	1.7	5.4	7.5	3.4	4.0											
						2	29.5	8.4	26.4	7.6	115.0	1.7	4.6															
						Middle	4.8	1	29.4	8.3	26.8	7.4	111.8	2.4				4.7										
							2	29.5	8.3	26.8	7.4	111.8	2.4	3.6														
						Bottom	8.5	1	29.3	8.3	27.6	6.9	105.2	6.2				2.9										
							2	29.3	8.3	27.6	6.9	105.1	6.1	2.8														
TCE-WQM3A	Fine	Moderate	7:31	4.2	Surface	1.0	1	29.8	8.3	27.2	7.1	108.2	4.6	6.9	7.1	7.2	6.6											
						2	29.8	8.3	27.2	7.1	108.2	4.5	6.3															
						Bottom	3.2	1	29.7	8.2	27.9	6.0	91.6	9.9				7.0										
							2	29.7	8.2	27.9	6.0	91.6	9.9	7.0														
						TCE-WQM4	Fine	Moderate	7:42	3.9	Surface	1.0	1	29.8				8.4	27.9	8.0	122.6	2.1	4.0	8.0	5.6	3.5		
												2	29.8	8.4				27.9	8.0	122.5	2.1	4.0						
Bottom	2.9	1	29.9	8.3	28.1							7.2	110.2	9.0	3.4													
	2	29.9	8.3	28.1	7.2							110.3	9.0	2.7														
2022-09-19	Mid-Flood	TCE-C1	Fine	Rough	18:49							7.2	Surface	1.0	1	28.7	8.2	25.7	8.0	120.7	3.5	4.9	7.3				6.1	4.3
														2	28.7	8.2	25.7	8.0	120.6	3.5	4.5							
						Middle	3.6	1	28.2	8.2	27.6			6.6	100.6	7.0	4.5											
							2	28.2	8.2	27.6	6.6			100.6	7.0	4.1												
						Bottom	6.2	1	28.1	8.2	28.0			6.2	94.2	7.6	4.0											
							2	28.1	8.2	28.0	6.2			94.3	7.7	4.0												
		TCE-C2	Fine	Rough	21:10	15.6	Surface	1.0	1	28.5	8.3	28.5	7.7	118.2	5.6	9.5	7.1	3.7	9.0									
								2	28.5	8.3	28.5	7.7	118.2	5.6	9.2													
								Middle	7.8	1	28.3	8.2	29.1	6.6	101.1	3.3				8.9								
									2	28.3	8.2	29.0	6.6	100.9	3.3	9.0												
								Bottom	14.6	1	28.1	8.1	30.5	5.7	87.5	2.2				9.1								
									2	28.0	8.2	30.5	5.7	87.4	2.2	8.2												
	TCE-WQM1	Fine	Moderate	19:49	9.7	Surface	1.0	1	29.5	8.4	27.8	9.6	149.8	2.3	4.1	9.6	3.5	3.9										
							2	29.5	8.4	27.8	9.7	149.9	2.3	4.1														
							Middle	4.9	1	29.2	8.4	28.1	9.5	147.7	3.2				3.6									
								2	29.2	8.4	28.1	9.5	147.0	3.3	4.1													
							Bottom	8.7	1	29.0	8.3	28.4	8.2	126.3	5.0				3.9									
								2	29.0	8.3	28.4	8.2	126.2	5.0	3.8													
	TCE-WQM2a	Fine	Rough	20:29	7.9	Surface	1.0	1	29.0	8.4	27.5	9.8	150.9	4.4	6.7	8.9	7.1	6.7										
							2	29.0	8.4	27.5	9.8	150.9	4.4	6.7														
							Middle	4.0	1	28.6	8.3	27.9	8.1	123.2	5.7				6.7									
								2	28.6	8.3	27.9	8.0	123.1	5.7	7.1													
							Bottom	6.9	1	28.4	8.2	28.5	6.8	104.5	11.2				7.0									
								2	28.4	8.2	28.5	6.8	104.7	11.3	6.1													
TCE-WQM2b	Fine	Rough	20:45	10.8	Surface	1.0	1	28.9	8.4	26.2	9.4	143.7	2.5	5.1	7.6	5.2	5.3											
						2	28.9	8.4	26.2	9.4	143.5	2.5	5.1															
						Middle	5.4	1	28.0	8.2	29.6	5.8	89.1	5.8				5.7										
							2	28.0	8.2	29.5	5.8	89.3	5.9	4.9														
						Bottom	9.8	1	27.6	8.1	31.6	4.6	70.6	7.2				5.2										
							2	27.6	8.1	31.6	4.6	70.9	7.2	5.9														
TCE-WQM3A	Fine	Moderate	20:15	4.4	Surface	1.0	1	29.1	8.5	27.4	10.7	164.8	3.4	7.2	10.7	4.5	6.9											
						2	29.1	8.5	27.4	10.7	164.7	3.4	6.9															
						Bottom	3.4	1	28.8	8.4	27.9	9.0	138.4	5.6				6.8										
							2	28.8	8.4	28.0	9.0	138.3	5.6	6.7														
						TCE-WQM4	Fine	Moderate	20:01	4.1	Surface	1.0	1	29.0				8.4	27.5	10.4	159.9	3.5	4.8	10.4	5.5	5.4		
												2	29.0	8.4				27.5	10.4	159.7	3.5	5.5						
Bottom	3.1	1	28.9	8.4	27.7							9.8	150.2	7.5	5.6													
	2	28.9	8.4	27.7	9.8							150.4	7.5	5.7														

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
2022-09-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:42	8.1	Surface	1.0	1	28.4	8.3	30.5	6.3	96.5	2.0	5.9	6.0	6.0	5.8							
									2	28.4	8.3	30.5	6.3	96.3	2.2	5.1										
							Middle	4.1	1	28.2	8.2	31.2	5.7	86.6	4.1	4.8										
									2	28.2	8.2	31.2	5.7	86.4	4.3	5.7										
							Bottom	7.1	1	28.0	8.1	32.6	4.1	62.5	11.4	7.0										
									2	28.0	8.2	32.6	4.1	63.2	12.0	6.5										
		TCE-C2	Cloudy	Moderate	9:55	12.9	Surface	1.0	1	28.5	8.2	30.3	6.2	94.8	2.1	4.6	5.9	2.6	4.8							
									2	28.5	8.1	30.3	6.2	94.7	2.1	5.4										
							Middle	6.5	1	28.3	8.1	31.3	5.6	85.5	2.3	4.8										
									2	28.3	8.1	31.3	5.6	85.5	2.3	4.3										
							Bottom	11.9	1	28.2	8.1	32.1	4.9	74.4	3.4	5.2										
									2	28.2	8.1	32.1	4.9	74.5	3.4	4.6										
	TCE-WQM1	Cloudy	Moderate	11:07	8.2	Surface	1.0	1	28.7	8.2	30.3	5.4	82.9	5.5	5.3	4.8	9.6	5.1								
								2	28.7	8.2	30.4	5.4	82.2	5.8	6.2											
						Middle	4.1	1	28.4	8.1	31.4	4.2	64.9	9.6	5.2											
								2	28.4	8.1	31.4	4.2	64.9	9.9	4.8											
						Bottom	7.2	1	28.3	8.1	31.8	4.3	65.6	13.4	4.1											
								2	28.3	8.1	31.8	4.3	65.9	13.6	5.2											
	TCE-WQM2a	Cloudy	Moderate	10:35	7.7	Surface	1.0	1	29.1	8.2	29.4	6.1	92.7	3.2	4.9	5.8	5.7	4.4								
								2	29.1	8.2	29.4	6.1	92.7	3.2	3.8											
						Middle	3.9	1	28.6	8.2	29.8	5.6	85.5	5.9	2.8											
								2	28.5	8.2	29.8	5.6	84.7	6.1	3.9											
						Bottom	6.7	1	28.1	8.1	32.3	4.7	72.2	7.9	5.5											
								2	28.2	8.1	32.2	4.7	72.3	7.9	5.2											
TCE-WQM2b	Cloudy	Moderate	10:24	11.3	Surface	1.0	1	28.8	8.2	30.1	6.3	95.7	2.1	4.9	5.8	7.1	5.1									
							2	28.8	8.2	30.1	6.2	95.4	2.1	4.5												
					Middle	5.7	1	28.6	8.2	30.7	5.3	80.7	6.0	4.0												
							2	28.6	8.2	30.7	5.3	80.7	5.9	4.6												
					Bottom	10.3	1	28.5	8.1	31.1	5.0	76.0	13.5	6.5												
							2	28.5	8.1	31.1	5.0	76.3	13.0	6.1												
TCE-WQM3A	Cloudy	Moderate	10:46	4.6	Surface	1.0	1	28.9	8.2	29.7	5.5	84.3	6.3	5.6	5.5	7.5	5.6									
							2	28.8	8.2	29.9	5.5	83.8	6.4	5.5												
					Bottom	3.6	1	28.8	8.1	30.8	4.7	72.6	8.6	5.8												
							2	28.8	8.1	30.8	4.7	72.7	8.6	5.6												
					TCE-WQM4	Cloudy	Moderate	10:56	3.9	Surface	1.0	1	29.1	8.3				29.1	6.2	95.3	2.4	5.1	6.2	3.8	5.3	
											2	29.1	8.3	29.1				6.2	95.1	2.4	5.4					
		1	29.0	8.1	29.9	4.9	75.0	5.0	4.9	4.8	5.7	4.4														
		2	29.0	8.1	30.0	4.8	73.6	5.2	5.7																	
2022-09-21	Mid-Flood	TCE-C1	Cloudy	Moderate	16:20	8.2	Surface	1.0	1	28.4	8.3	30.5	6.8	104.5	1.8	4.3	6.4	5.3	3.9							
									2	28.4	8.3	30.5	6.8	104.4	1.8	3.8										
							Middle	4.1	1	28.2	8.3	31.2	6.1	92.7	3.3	4.2										
									2	28.2	8.3	31.3	6.1	92.6	3.2	3.4										
							Bottom	7.2	1	28.1	8.1	32.6	4.5	69.5	10.8	4.1										
									2	28.1	8.1	32.6	4.5	69.8	10.6	3.8										
		TCE-C2	Cloudy	Moderate	18:11	14.2	Surface	1.0	1	28.9	8.3	30.4	7.2	110.7	2.7	5.5	6.4	6.2	4.8							
									2	28.9	8.3	30.4	7.2	110.7	2.7	5.3										
							Middle	7.1	1	28.3	8.2	31.7	5.7	87.6	7.8	4.4										
									2	28.2	8.2	31.9	5.6	86.4	7.9	5.0										
							Bottom	13.2	1	28.0	8.2	32.5	5.3	80.9	8.0	4.1										
									2	28.0	8.2	32.4	5.3	81.3	8.0	4.4										
		TCE-WQM1	Cloudy	Moderate	17:04	8.0	Surface	1.0	1	29.2	8.4	28.7	7.6	116.4	3.0	3.0	7.2	6.7	3.8							
									2	29.2	8.4	28.7	7.6	116.3	3.0	4.5										
							Middle	4.0	1	29.0	8.3	29.5	6.9	105.1	4.8	3.4										
									2	29.0	8.3	29.5	6.8	104.9	4.9	3.8										
							Bottom	7.0	1	28.3	8.2	31.7	4.9	75.9	12.0	3.9										
									2	28.3	8.2	31.7	5.0	76.4	12.4	4.0										
	TCE-WQM2a	Cloudy	Moderate	17:36	7.0	Surface	1.0	1	29.1	8.3	29.9	7.0	108.3	3.6	5.4	7.0	4.1	5.5								
								2	29.1	8.3	29.9	7.0	108.3	3.6	5.8											
						Middle	3.5	1	29.1	8.3	30.0	6.9	106.7	3.6	5.5											
								2	29.1	8.3	30.0	6.9	106.6	3.6	5.6											
						Bottom	6.0	1	28.8	8.2	30.6	6.1	94.4	5.4	5.1											
								2	28.8	8.2	30.6	6.0	92.2	5.1	5.8											
	TCE-WQM2b	Cloudy	Moderate	17:47	11.0	Surface	1.0	1	29.1	8.4	29.8	8.8	134.8	0.9	4.5	7.5	5.8	3.9								
								2	29.1	8.4	29.8	8.7	134.6	0.9	4.9											
						Middle	5.5	1	28.6	8.2	30.6	6.2	95.7	8.3	2.0											
								2	28.6	8.2	30.6	6.2	95.6	8.2	4.0											
						Bottom	10.0	1	28.6	8.2	30.7	6.0	91.6	8.2	3.8											
								2	28.6	8.2	30.7	6.0	91.8	8.2	4.2											
	TCE-WQM3A	Cloudy	Moderate	17:25	4.5	Surface	1.0	1	29.3	8.2	28.9	6.0	92.9	7.5	4.0	6.0	9.7	4.3								
								2	29.3	8.2	28.9	6.0	92.8	7.5	3.2											
						Bottom	3.5	1	28.7	8.1	30.9	4.7	72.4	11.8	5.0											
								2	28.7	8.1	30.9	4.7	72.5	12.0	5.0											
						TCE-WQM4	Cloudy	Moderate	17:15	3.2	Surface	1.0	1	29.3	8.2				29.5	6.9	106.4	3.0	5.7	6.9	4.0	4.7
												2	29.3	8.2	29.5				6.9	106.2	3.2	4.7				
		1	29.1	8.2	29.8	5.7	87.5	5.0	4.1	5.8	5.7	4.7														
		2	29.1	8.2	29.8	5.9	91.5	4.9	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)				
2022-09-23	Mid-Ebb	TCE-C1	Misty	Moderate	11:59	7.0	Surface	1.0	1	28.1	8.3	29.3	6.0	90.7	6.0	3.7	5.9	7.0	4.8				
							2	28.0	8.3	29.3	6.0	90.1	5.9	4.1									
							Middle	3.5	1	27.7	8.2	29.6	5.8	87.3	7.1	4.5							
							2	27.7	8.2	29.6	5.8	87.3	7.1	4.9									
							Bottom	6.0	1	27.4	8.3	29.9	6.3	94.4	8.1	6.0							
							2	27.4	8.3	29.9	6.3	94.4	8.0	5.4									
		TCE-C2	Misty	Moderate	10:18	9.6	Surface	1.0	1	27.9	8.2	28.4	5.9	87.6	3.0	3.0				5.6	3.4	4.3	
							2	27.9	8.2	28.5	5.8	87.2	2.9	3.5									
							Middle	4.8	1	27.8	8.2	28.6	5.4	81.0	3.1	3.7							
							2	27.8	8.2	28.6	5.4	81.0	3.1	4.1									
							Bottom	8.6	1	27.9	8.2	28.5	5.5	82.0	4.1	5.6							
							2	27.9	8.2	28.4	5.5	82.2	4.0	5.9									
	TCE-WQM1	Misty	Moderate	11:27	8.2	Surface	1.0	1	28.1	8.2	28.8	5.8	86.5	4.0	4.7	5.8	5.3	5.8					
						2	28.0	8.2	28.8	5.8	86.7	4.1	5.0										
						Middle	4.1	1	27.9	8.2	28.9	5.9	87.7	5.4	5.1								
						2	27.9	8.2	28.9	5.9	88.0	5.3	5.5										
						Bottom	7.2	1	27.8	8.2	29.0	6.0	89.4	6.4	7.4								
						2	27.8	8.2	29.0	6.0	89.9	6.5	7.0										
	TCE-WQM2a	Misty	Moderate	10:56	7.2	Surface	1.0	1	27.9	8.2	28.9	5.2	77.6	5.1	4.7				5.2	6.5	5.7		
						2	27.9	8.2	28.9	5.2	77.6	5.1	4.9										
						Middle	3.6	1	27.7	8.2	29.3	5.1	76.9	6.3	5.3								
						2	27.6	8.2	29.3	5.2	77.0	6.4	5.7										
						Bottom	6.2	1	27.5	8.2	29.5	5.5	82.4	8.0	6.4								
						2	27.5	8.2	29.5	5.6	87.4	8.0	6.9										
	TCE-WQM2b	Misty	Moderate	10:46	10.4	Surface	1.0	1	28.1	8.3	28.2	5.8	86.0	3.3	2.3	5.8	4.4	2.7					
						2	28.1	8.3	28.3	5.8	86.0	3.3	2.1										
						Middle	5.2	1	28.0	8.3	28.5	5.8	86.2	4.0	2.8								
						2	27.9	8.3	28.5	5.8	86.5	4.1	2.6										
						Bottom	9.4	1	27.9	8.3	28.6	5.9	88.6	6.0	3.2								
						2	27.9	8.3	28.6	6.0	90.1	6.0	3.3										
	TCE-WQM3A	Misty	Moderate	11:06	4.6	Surface	1.0	1	27.9	8.2	28.5	5.6	83.5	5.2	5.7				5.6	6.0	5.9		
						2	27.9	8.2	28.5	5.6	83.5	5.2	5.5										
						Bottom	3.6	1	27.7	8.2	28.7	5.8	86.1	6.8	6.2								
						2	27.6	8.2	28.7	5.8	86.6	6.7	6.1										
						Bottom	3.6	1	28.2	8.2	28.4	5.9	87.9	6.9	6.0								
						2	28.2	8.2	28.4	5.9	88.0	6.8	5.5										
	TCE-WQM4	Misty	Moderate	11:15	4.2	Surface	1.0	1	28.2	8.2	28.4	6.0	89.6	7.7	6.8	5.9	7.3	6.2					
						2	28.2	8.2	28.4	6.0	90.0	7.8	6.4										
						Middle	4.0	1	28.3	8.3	29.0	6.0	90.6	6.1	4.8								
						2	28.3	8.3	29.0	5.9	88.2	7.3	4.1										
						Bottom	7.0	1	28.3	8.3	29.0	5.9	88.2	7.3	4.4								
						2	28.3	8.3	29.0	6.1	92.5	8.2	3.2										
	2022-09-23	Mid-Flood	TCE-C1	Misty	Moderate	16:54	8.0	Surface	1.0	1	28.3	8.3	29.0	6.1	91.3				6.2	5.2	5.9	7.2	4.2
								2	28.3	8.3	29.0	6.0	90.6	6.1	4.8								
								Middle	4.0	1	28.3	8.3	29.0	5.9	88.2				7.3	4.1			
								2	28.3	8.3	29.0	5.9	88.2	7.3	4.4								
								Bottom	7.0	1	28.3	8.3	29.0	6.1	92.5				8.2	3.2			
								2	28.3	8.3	28.9	6.1	92.6	8.1	3.3								
TCE-C2			Misty	Moderate	18:53	10.2	Surface	1.0	1	28.2	8.3	28.3	5.8	87.4	5.9	7.2	5.9	6.6	6.1				
							2	28.2	8.3	28.3	5.8	87.6	5.8	6.9									
							Middle	5.1	1	28.1	8.3	28.4	5.9	88.3	6.2	5.8							
							2	28.0	8.3	28.4	5.9	88.5	6.2	6.1									
							Bottom	9.2	1	27.9	8.3	28.5	6.1	90.6	7.9	5.0							
							2	27.9	8.3	28.5	6.1	91.5	7.9	5.4									
TCE-WQM1		Misty	Moderate	17:51	7.2	Surface	1.0	1	28.4	8.3	28.8	6.0	91.1	5.1	10.7	5.9				6.5	7.0		
						2	28.4	8.3	28.7	5.8	87.2	5.2	10.0										
						Middle	3.6	1	28.7	8.3	28.5	5.8	87.4	6.9	6.0								
						2	28.7	8.3	28.5	5.8	87.8	6.8	5.6										
						Bottom	6.2	1	28.9	8.3	28.4	5.9	89.0	7.4	4.6								
						2	29.0	8.3	28.3	5.9	89.8	7.5	4.9										
TCE-WQM2a		Misty	Moderate	18:21	7.6	Surface	1.0	1	28.2	8.2	28.7	5.8	86.7	6.1	4.5		5.5	7.3	6.0				
						2	28.2	8.2	28.7	5.8	86.7	6.1	5.0										
						Middle	3.8	1	28.1	8.2	28.8	5.3	79.5	7.5	5.9								
						2	28.1	8.2	28.8	5.3	79.3	7.5	6.2										
						Bottom	6.6	1	28.2	8.2	28.9	5.5	83.1	8.2	7.3								
						2	28.2	8.2	28.9	5.7	85.2	8.2	7.2										
TCE-WQM2b		Misty	Moderate	18:32	8.8	Surface	1.0	1	28.2	8.3	27.8	5.7	85.7	6.1	8.9	5.7				7.2	7.1		
						2	28.2	8.3	27.9	5.7	85.4	6.2	8.4										
						Middle	4.4	1	28.2	8.3	27.9	5.7	85.7	7.1	7.2								
						2	28.3	8.3	27.9	5.7	86.1	7.1	6.8										
						Bottom	7.8	1	28.4	8.3	27.8	5.9	89.0	8.4	5.8								
						2	28.4	8.3	27.8	6.0	90.4	8.5	5.4										
TCE-WQM3A		Misty	Moderate	18:12	4.0	Surface	1.0	1	28.7	8.3	28.0	5.7	85.6	4.7	6.4		5.7	5.2	8.3				
						2	28.8	8.3	27.9	5.7	86.2	4.7	6.9										
						Bottom	3.0	1	29.0	8.3	27.8	5.9	88.9	5.8	9.7								
						2	29.1	8.3	27.6	5.9	89.6	5.8	10.3										
						Bottom	3.0	1	28.4	8.3	28.6	6.0	89.8	5.8	5.2								
						2	28.4	8.3	28.6	6.0	90.3	7.0	4.6										
TCE-WQM4		Misty	Moderate	18:01	3.4	Surface	1.0	1	28.4	8.3	28.6	6.0	89.7	5.9	5.7	6.0				6.4	5.0		
						2	28.4	8.3	28.6	6.0	89.8	5.8	5.2										
						Bottom	2.4	1	28.4	8.3	28.6	6.0	90.3	7.0	4.6								
						2	28.4	8.3	28.6	6.0	90.8	7.0	4.6										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged								
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
2022-09-26	Mid-Ebb	TCE-C1	Sunny	Rough	11:39	7.9	Surface	1.0	1	28.1	8.3	28.9	6.0	89.4	4.3	5.7	5.9	7.6	6.8						
									2	28.1	8.3	28.9	6.0	89.4	4.3	5.3									
							Middle	4.0	1	27.8	8.3	30.2	5.8	88.0	6.7	6.0									
									2	27.8	8.3	30.2	5.8	88.0	6.8	6.4									
							Bottom	6.9	1	27.8	8.3	30.5	5.8	87.4	11.7	8.4									
									2	27.8	8.3	30.5	5.8	87.4	11.7	8.8									
		TCE-C2	Sunny	Moderate	13:31	14.8	Surface	1.0	1	28.9	8.2	28.6	5.3	79.1	3.4	7.7				5.0	8.1	7.2			
									2	28.9	8.2	28.6	5.3	79.1	3.4	8.0									
							Middle	7.4	1	27.9	8.2	28.7	4.7	68.0	8.4	7.3									
									2	27.9	8.2	28.7	4.7	68.0	8.4	7.0									
							Bottom	13.8	1	27.7	8.2	29.1	4.5	65.6	12.6	6.8									
									2	27.7	8.2	29.1	4.5	65.6	12.5	6.5									
		TCE-WQM1	Sunny	Moderate	12:14	9.2	Surface	1.0	1	28.3	8.2	28.8	5.4	78.4	4.6	7.8	5.4	6.5	6.3						
									2	28.3	8.2	28.8	5.4	78.4	4.6	7.4									
							Middle	4.6	1	28.2	8.2	28.8	5.3	78.1	6.8	6.2									
									2	28.2	8.2	28.8	5.3	78.1	6.8	5.9									
							Bottom	8.2	1	28.2	8.2	28.7	5.4	78.4	8.0	5.1									
									2	28.2	8.2	28.7	5.4	78.5	7.9	5.2									
		TCE-WQM2a	Sunny	Moderate	12:48	7.3	Surface	1.0	1	28.4	8.2	28.4	5.1	74.7	6.4	6.3				5.1	7.3	5.7			
									2	28.4	8.2	28.4	5.1	74.7	6.4	6.7									
							Middle	3.7	1	28.2	8.2	28.4	5.0	73.7	6.9	5.9									
									2	28.2	8.2	28.4	5.1	73.8	6.9	5.6									
							Bottom	6.3	1	27.8	8.2	28.8	4.7	66.8	8.4	4.8									
									2	27.8	8.2	28.8	4.6	66.9	8.5	5.0									
	TCE-WQM2b	Sunny	Moderate	13:01	9.4	Surface	1.0	1	28.3	8.2	28.0	5.1	74.5	4.6	5.8	5.1	6.3	4.9							
								2	28.2	8.2	28.0	5.1	74.4	4.6	5.3										
						Middle	4.7	1	28.2	8.2	28.0	5.0	73.6	5.6	4.7										
								2	28.2	8.2	28.0	5.0	73.6	5.7	5.0										
						Bottom	8.4	1	28.2	8.2	28.0	5.1	73.9	8.8	4.2										
								2	28.2	8.2	28.0	5.1	74.0	8.8	4.4										
	TCE-WQM3A	Sunny	Calm	12:37	5.1	Surface	1.0	1	28.4	8.2	28.2	5.1	72.8	9.1	5.1				5.1	9.6	5.9				
								2	28.4	8.2	28.2	5.1	72.8	9.1	4.6										
						Bottom	4.1	1	28.2	8.2	28.3	5.0	72.6	10.1	6.8										
								2	28.2	8.2	28.2	5.0	72.8	10.2	7.2										
	TCE-WQM4	Sunny	Calm	12:25	4.0	Surface	1.0	1	29.0	8.2	28.3	5.3	78.9	4.8	10.9							5.3	7.1	13.9	
								2	29.0	8.2	28.3	5.3	78.9	4.8	11.3										
						Bottom	3.0	1	28.3	8.2	28.4	5.2	76.1	9.4	16.5										
								2	28.3	8.2	28.4	5.2	76.1	9.5	17.0										
	2022-09-26	Mid-Flood	TCE-C1	Fine	Moderate	8:03	8.2	Surface	1.0	1	27.9	8.2	29.0	6.0	88.7	5.2	12.0	6.0	7.9	9.6					
										2	27.9	8.2	29.0	6.0	88.7	5.2	12.4								
								Middle	4.1	1	27.8	8.3	30.0	6.0	88.4	8.7	9.5								
										2	27.8	8.3	30.0	6.0	88.5	8.7	9.2								
								Bottom	7.2	1	27.8	8.2	30.3	5.9	88.4	9.7	7.0								
										2	27.8	8.2	30.3	5.9	88.4	9.7	7.6								
				TCE-C2	Fine	Moderate	6:08	16.4	Surface	1.0	1	27.7	8.1	29.3	4.6	68.4	5.1				15.8	4.5	6.9	12.9	
											2	27.7	8.1	29.3	4.6	68.4	5.1				16.1				
									Middle	8.2	1	27.6	8.1	29.8	4.4	65.9	6.7				12.4				
											2	27.6	8.1	29.8	4.4	66.0	6.8				12.0				
Bottom									15.4	1	27.6	8.1	29.9	4.4	66.2	8.8	10.2								
										2	27.6	8.1	29.9	4.4	66.3	8.8	10.9								
TCE-WQM1			Fine	Calm	7:21	10.4	Surface	1.0	1	28.1	8.1	28.6	4.9	73.7	4.6	4.6	4.9	5.7	9.6						
									2	28.1	8.1	28.6	4.9	73.7	4.7	4.6									
							Middle	5.2	1	28.1	8.1	28.6	4.9	73.5	5.9	6.2									
									2	28.1	8.1	28.6	4.9	73.5	5.9	6.6									
							Bottom	9.4	1	28.1	8.1	28.6	4.9	73.7	6.4	17.5									
									2	28.1	8.1	28.5	4.9	73.8	6.5	17.9									
TCE-WQM2a			Fine	Moderate	6:44	7.2	Surface	1.0	1	28.0	8.1	28.3	4.9	72.9	6.7	15.2				4.8	7.9	13.3			
									2	28.0	8.1	28.3	4.9	72.9	6.7	15.0									
							Middle	3.6	1	27.9	8.1	28.3	4.8	72.0	7.7	13.5									
									2	27.9	8.1	28.3	4.8	72.0	7.8	14.0									
							Bottom	6.2	1	27.9	8.1	28.3	4.8	71.6	9.0	11.3									
									2	27.9	8.1	28.3	4.8	71.6	9.7	10.9									
TCE-WQM2b			Fine	Moderate	6:32	11.3	Surface	1.0	1	27.9	8.1	28.5	4.8	71.5	6.0	9.6	4.8	7.1	12.8						
									2	27.9	8.1	28.5	4.8	71.4	5.9	9.1									
							Middle	5.7	1	27.8	8.1	28.6	4.7	70.6	6.3	14.1									
									2	27.8	8.1	28.6	4.7	70.6	6.4	13.7									
							Bottom	10.3	1	27.8	8.1	28.7	4.7	70.1	9.0	15.4									
									2	27.8	8.1	28.7	4.7	70.1	9.0	14.9									
TCE-WQM3A			Fine	Calm	6:53	5.3	Surface	1.0	1	27.9	8.1	28.4	4.7	70.5	5.9	11.9				4.7	6.2	11.1			
									2	27.9	8.1	28.4	4.7	70.5	6.0	11.2									
							Bottom	4.3	1	27.9	8.1	28.4	4.7	70.6	6.4	10.6									
									2	27.9	8.1	28.4	4.7	70.7	6.4	10.8									
TCE-WQM4			Fine	Calm	7:07	4.6	Surface	1.0	1	28.0	8.1	28.4	4.7	70.9	9.1	11.5							4.7	9.5	12.1
									2	28.0	8.1	28.4	4.7	70.9	9.2	11.1									
							Bottom	3.6	1	27.9	8.1	28.4	4.7	70.8	9.9	12.6									
									2	27.9	8.1	28.4	4.8	70.9	9.9	13.0									

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

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
2022-09-28	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:44	8.2	Surface	1.0	1	28.2	8.3	33.6	6.0	92.1	7.3	14.0	5.9	9.6	14.5	
							2	28.2	8.3	33.6	6.0	91.9	7.6	13.8						
							Middle	4.1	1	28.1	8.3	33.7	5.9	90.9	9.8	14.6				
							2	28.1	8.3	33.7	5.9	90.9	10.0	14.4						
							Bottom	7.2	1	28.1	8.3	33.7	5.9	90.9	11.5	15.2				
							2	28.1	8.3	33.7	5.9	90.9	11.6	14.8						
		TCE-C2	Cloudy	Moderate	14:41	13.2	Surface	1.0	1	28.6	8.1	31.4	5.2	79.3	4.7	7.0	5.0	4.6	6.7	
							2	28.6	8.1	31.4	5.2	79.2	4.7	7.4						
							Middle	6.6	1	28.3	8.1	31.9	4.9	75.4	3.8	6.7				
							2	28.3	8.1	31.9	4.9	75.2	3.8	6.8						
							Bottom	12.2	1	28.2	8.1	32.1	5.0	76.5	5.3	6.4				
							2	28.2	8.1	32.1	5.0	76.7	5.1	6.0						
	TCE-WQM1	Cloudy	Moderate	13:30	8.2	Surface	1.0	1	28.3	8.3	32.0	5.7	87.7	8.3	11.8	5.7	10.6	12.6		
						2	28.3	8.3	32.0	5.7	87.7	8.4	11.6							
						Middle	4.1	1	28.2	8.3	32.2	5.7	87.7	10.4	12.5					
						2	28.2	8.3	32.3	5.7	87.7	10.8	12.0							
						Bottom	7.2	1	28.2	8.3	32.4	5.8	88.2	12.9	13.5					
						2	28.2	8.3	32.4	5.8	88.4	12.7	13.9							
	TCE-WQM2a	Cloudy	Moderate	14:04	7.3	Surface	1.0	1	28.6	8.1	31.1	5.6	84.3	5.9	7.7	5.5	6.4	8.6		
						2	28.6	8.1	31.1	5.6	84.3	5.9	8.0							
						Middle	3.7	1	28.5	8.1	31.2	5.4	82.7	6.1	8.3					
						2	28.5	8.1	31.2	5.4	82.7	6.0	8.5							
						Bottom	6.3	1	28.4	8.1	31.3	5.5	83.3	8.0	9.3					
						2	28.4	8.1	31.3	5.5	83.4	6.4	9.8							
TCE-WQM2b	Cloudy	Moderate	14:17	11.6	Surface	1.0	1	28.6	8.1	31.4	5.4	81.1	4.6	7.0	5.3	7.2	10.0			
					2	28.6	8.1	31.4	5.3	81.1	4.7	7.1								
					Middle	5.8	1	28.5	8.1	31.4	5.2	79.8	5.0	7.4						
					2	28.5	8.1	31.4	5.2	79.8	5.7	7.8								
					Bottom	10.6	1	28.3	8.1	32.0	4.9	74.8	11.8	8.8						
					2	28.3	8.1	32.0	4.9	75.1	11.5	22.0								
TCE-WQM3A	Cloudy	Moderate	13:53	4.7	Surface	1.0	1	28.6	8.1	31.0	5.3	82.0	8.2	13.8	5.3	11.0	14.1			
					2	28.6	8.1	31.0	5.3	82.0	8.3	13.6								
					Bottom	3.7	1	28.5	8.1	31.0	5.4	82.2	13.6	14.6						
					2	28.5	8.1	31.0	5.4	82.4	13.9	14.2								
					Middle	3.7	1	28.5	8.1	31.1	5.7	86.6	8.3	12.1						
					2	28.5	8.1	31.1	5.8	86.9	8.3	11.8								
TCE-WQM4	Cloudy	Moderate	13:42	3.4	Surface	1.0	1	28.5	8.1	31.1	5.7	86.6	8.3	12.1	5.7	8.2	12.3			
					2	28.5	8.1	31.1	5.8	86.9	8.3	11.8								
					Bottom	2.4	1	28.5	8.1	31.1	5.8	89.5	8.1	12.5						
					2	28.5	8.1	31.1	5.9	90.0	8.1	12.8								
					Middle	2.4	1	28.5	8.1	31.1	5.9	90.5	14.5	20.3						
					2	28.5	8.1	31.1	5.9	90.4	14.7	19.9								
2022-09-28	Mid-Flood	TCE-C1	Cloudy	Moderate	9:40	8.4	Surface	1.0	1	28.1	8.3	33.8	5.9	90.5	14.5	20.3	5.8	13.8	21.1	
							2	28.1	8.3	33.8	5.9	90.4	14.7	19.9						
							Middle	4.2	1	28.1	8.3	33.8	5.8	89.7	13.9	20.8				
							2	28.1	8.3	33.8	5.8	89.6	13.7	21.2						
							Bottom	7.4	1	28.1	8.3	33.8	5.8	89.2	13.1	22.0				
							2	28.1	8.3	33.8	5.8	89.1	13.1	22.6						
		TCE-C2	Cloudy	Moderate	7:53	14.0	Surface	1.0	1	28.2	8.1	32.0	4.9	74.7	7.4	11.9	4.8	8.5	11.2	
							2	28.2	8.1	32.0	4.9	74.6	7.5	12.0						
							Middle	7.0	1	28.1	8.1	32.5	4.7	72.6	7.4	11.4				
							2	28.1	8.1	32.5	4.7	72.6	7.5	10.9						
							Bottom	13.0	1	28.1	8.1	32.6	4.8	73.1	10.4	10.4				
							2	28.1	8.1	32.6	4.8	73.3	10.6	10.7						
	TCE-WQM1	Cloudy	Moderate	8:58	8.4	Surface	1.0	1	28.1	8.1	31.4	5.4	81.6	13.6	17.0	5.4	13.7	18.1		
						2	28.1	8.1	31.4	5.4	81.5	13.9	16.6							
						Middle	4.2	1	28.1	8.1	31.4	5.4	81.5	14.1	17.6					
						2	28.1	8.1	31.4	5.4	81.5	14.1	18.0							
						Bottom	7.4	1	28.1	8.1	31.4	5.4	81.6	13.1	19.5					
						2	28.1	8.1	31.4	5.4	81.6	13.2	19.8							
	TCE-WQM2a	Cloudy	Moderate	8:27	7.5	Surface	1.0	1	28.3	8.1	31.1	5.2	79.8	9.9	14.0	5.2	13.1	13.6		
						2	28.3	8.1	31.1	5.2	79.8	9.9	14.5							
						Middle	3.8	1	28.3	8.1	31.2	5.2	79.6	12.9	13.4					
						2	28.3	8.1	31.1	5.2	79.6	12.9	13.8							
						Bottom	6.5	1	28.3	8.1	31.2	5.2	79.8	16.1	12.8					
						2	28.3	8.1	31.2	5.2	79.9	17.0	13.2							
TCE-WQM2b	Cloudy	Moderate	8:16	11.7	Surface	1.0	1	28.3	8.1	31.3	5.1	78.1	12.1	21.4	5.1	12.8	20.9			
					2	28.3	8.1	31.3	5.1	78.1	12.3	21.4								
					Middle	5.9	1	28.3	8.1	31.4	5.1	77.5	12.1	20.9						
					2	28.3	8.1	31.4	5.1	77.5	12.9	21.1								
					Bottom	10.7	1	28.3	8.1	31.4	5.1	77.7	13.9	20.5						
					2	28.3	8.1	31.4	5.1	77.7	13.4	20.3								
TCE-WQM3A	Cloudy	Moderate	8:37	4.2	Surface	1.0	1	28.2	8.1	31.1	5.2	79.3	7.0	10.5	5.2	7.4	12.0			
					2	28.2	8.1	31.1	5.2	79.3	7.1	10.8								
					Bottom	3.2	1	28.2	8.1	31.1	5.2	79.3	7.7	13.2						
					2	28.2	8.1	31.1	5.2	79.4	7.7	13.4								
					Middle	3.2	1	28.2	8.1	31.2	5.2	79.8	8.7	11.2						
					2	28.2	8.1	31.2	5.2	79.9	8.9	11.5								
TCE-WQM4	Cloudy	Moderate	8:47	3.9	Surface	1.0	1	28.2	8.1	31.2	5.2	79.8	8.7	11.2	5.2	9.5	11.7			
					2	28.2	8.1	31.2	5.2	79.9	8.9	11.5								
					Bottom	2.9	1	28.1	8.1	31.2	5.4	80.2	10.1	11.9				5.3	9.5	11.7
					2	28.1	8.1	31.3	5.3	80.4	10.3	12.3								

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)			
2022-09-30	Mid-Ebb	TCE-C1	Rainy	Moderate	14:08	8.0	Surface	1.0	1	27.8	8.2	33.1	5.8	88.1	6.9	10.5	5.8	7.4	11.0			
									2	27.8	8.2	33.1	5.8	88.3	6.9	10.2						
							Middle	4.0	1	27.8	8.2	33.1	5.8	88.7	7.2	10.8						
									2	27.8	8.2	33.1	5.8	89.0	7.2	11.0						
				Bottom	7.0	1	27.8	8.2	33.1	5.9	90.2	8.1	11.7	6.0								
						2	27.8	8.2	33.1	6.0	95.3	8.0	11.6									
		TCE-C2	Rainy	Moderate	15:57	10.2	Surface	1.0	1	28.0	8.1	32.3	5.2				78.7	4.9	12.4	5.2	5.7	14.3
								2	28.0	8.1	32.3	5.2	78.8				4.9	12.7				
		Middle					5.1	1	28.0	8.1	32.4	5.2	79.5	5.4	13.4							
								2	28.0	8.1	32.4	5.2	79.8	5.5	13.9							
				Bottom	9.2	1	28.0	8.1	32.3	5.3	80.8	6.9	16.6	5.3								
						2	28.0	8.1	32.3	5.3	81.0	6.9	17.0									
	TCE-WQM1	Rainy	Moderate	14:57	7.2	Surface	1.0	1	27.7	8.1	31.6	5.6	85.3				6.1	8.7	5.7	7.4	10.0	
							2	27.7	8.1	31.6	5.6	85.5	6.1				8.2					
	Middle					3.6	1	27.7	8.1	31.6	5.7	86.2	7.7	10.2								
							2	27.7	8.1	31.6	5.7	86.7	7.7	9.8								
			Bottom	6.2	1	27.7	8.1	31.6	6.1	92.5	8.3	11.7	6.2									
					2	27.7	8.2	31.6	6.2	94.0	8.3	11.2										
	TCE-WQM2a	Rainy	Moderate	15:23	7.2	Surface	1.0	1	27.9	8.1	31.2	5.8				87.3	6.7	11.7	5.9	7.3	14.6	
							2	27.9	8.1	31.2	5.8	87.3				6.7	12.0					
	Middle					3.6	1	27.9	8.1	31.2	6.0	90.4	7.3	13.2								
							2	27.9	8.1	31.2	6.0	90.8	7.3	12.8								
			Bottom	6.2	1	27.9	8.1	31.2	6.1	92.5	8.0	19.2	6.1									
					2	27.9	8.1	31.2	6.2	93.5	8.0	18.8										
TCE-WQM2b	Rainy	Moderate	15:33	8.8	Surface	1.0	1	28.0	8.1	31.2	5.6	85.6				4.2	13.4	5.6	5.4	13.0		
						2	28.0	8.1	31.2	5.6	85.6	4.1				13.8						
Middle					4.4	1	28.0	8.1	31.3	5.7	86.0	5.4	13.2									
						2	28.0	8.1	31.3	5.7	86.2	5.3	12.8									
		Bottom	7.8	1	28.0	8.1	31.3	6.0	87.7	6.7	12.5	6.0										
				2	28.0	8.1	31.3	6.1	92.3	6.8	12.1											
TCE-WQM3A	Rainy	Moderate	15:15	4.0	Surface	1.0	1	27.8	8.1	31.3	5.8				87.4	5.4	12.4	5.8	6.5	11.9		
						2	27.8	8.1	31.3	5.8	87.8				5.5	12.1						
Bottom					3.0	1	27.8	8.1	31.3	5.9	89.4	7.6	11.7									
						2	27.8	8.1	31.3	5.9	90.1	7.7	11.3									
		TCE-WQM4	Rainy	Moderate	15:08	4.0	Surface	1.0	1	27.8	8.1	31.3	5.8	87.4	7.6	13.1	5.8	8.2	13.7			
								2	27.8	8.1	31.3	5.8	87.8	7.7	13.2							
Bottom	3.0	1					27.8	8.1	31.3	5.9	89.4	8.9	14.0									
								2	27.8	8.1	31.3	5.9	90.1	8.8	14.3							
2022-09-30	Mid-Flood	TCE-C1	Rainy	Moderate	11:11	7.0	Surface	1.0	1	27.8	7.9	32.9	5.7	87.7	5.5	9.6	5.8	6.6	8.9			
									2	27.8	7.9	32.9	5.7	87.7	5.6	9.2						
							Middle	3.5	1	27.8	7.9	33.0	5.8	88.2	6.4	8.7						
									2	27.8	7.9	33.0	5.8	88.5	6.4	9.0						
				Bottom	6.0	1	27.7	7.8	32.9	6.1	93.2	7.9	8.2	6.1								
						2	27.7	7.8	32.9	6.1	93.4	7.9	8.4									
		TCE-C2	Rainy	Moderate	9:10	9.6	Surface	1.0	1	28.0	8.0	31.5	5.4				82.5	7.1	7.0	5.4	8.1	7.7
								2	28.0	8.0	31.5	5.4	82.5				7.1	6.9				
		Middle					4.8	1	28.0	8.0	31.5	5.4	82.7	8.2	7.8							
								2	28.0	8.0	31.5	5.4	82.8	8.2	7.4							
				Bottom	8.6	1	28.0	8.0	31.4	5.5	83.0	9.0	8.6	5.5								
						2	28.0	8.0	31.4	5.5	83.0	9.1	8.2									
		TCE-WQM1	Rainy	Moderate	10:20	8.2	Surface	1.0	1	27.7	8.1	31.4	5.7				85.6	7.4	15.5	5.8	8.4	14.0
										2	27.7	8.1	31.4				5.7	85.9	7.4			
		Middle					4.1	1	27.7	8.1	31.5	5.8	88.3	8.7	13.9							
								2	27.7	8.1	31.5	5.9	88.6	8.7	14.3							
				Bottom	7.2	1	27.7	8.1	31.5	6.0	91.5	9.0	11.9	6.1								
						2	27.7	8.1	31.5	6.1	92.7	9.0	12.2									
		TCE-WQM2a	Rainy	Moderate	9:49	7.6	Surface	1.0	1	28.0	8.0	31.5	5.4				82.2	6.5	15.0	5.4	7.5	12.9
										2	28.0	8.0	31.5				5.4	82.2	6.5			
		Middle					3.8	1	28.0	8.0	31.5	5.4	81.9	7.0	12.7							
								2	28.0	8.0	31.5	5.4	81.9	7.1	13.0							
				Bottom	6.6	1	28.0	7.9	31.5	5.4	82.3	9.0	10.9	5.4								
						2	28.0	7.9	31.5	5.4	82.4	9.0	11.2									
TCE-WQM2b	Rainy	Moderate	9:36	10.0	Surface	1.0	1	28.2	7.8	31.0	5.5	84.4	6.1				11.2	5.6	6.5	9.4		
								2	28.2	7.8	31.0	5.6	84.6				6.1				10.7	
Middle					5.0	1	28.2	7.8	31.0	5.6	84.9	6.2	9.2									
						2	28.2	7.8	31.0	5.6	85.3	6.2	8.9									
		Bottom	9.0	1	28.2	7.8	31.0	5.7	86.8	7.3	8.0	5.7										
				2	28.2	7.8	31.0	5.7	87.1	7.3	8.3											
TCE-WQM3A	Rainy	Moderate	10:00	4.6	Surface	1.0	1	27.9	8.0	31.2	5.4				81.5	6.1	13.2	5.4	6.6	13.0		
								2	27.9	8.0	31.2				5.4	81.5	6.1				13.6	
Bottom					3.6	1	27.9	8.0	31.3	5.4	81.7	7.1	12.3									
						2	27.9	8.0	31.3	5.4	81.8	7.1	12.7									
		TCE-WQM4	Rainy	Moderate	10:10	4.2	Surface	1.0	1	28.0	8.1	31.5	5.5	84.0	7.1	11.9	5.5	7.9	11.2			
								2	28.0	8.1	31.5	5.6	84.4	7.1	11.6							
Bottom	3.2	1					28.0	8.1	31.5	5.9	90.0	8.8	10.8									
								2	28.0	8.1	31.5	6.1	92.0	8.8	10.6							