

Annex G3

Monitoring Results for Water Quality

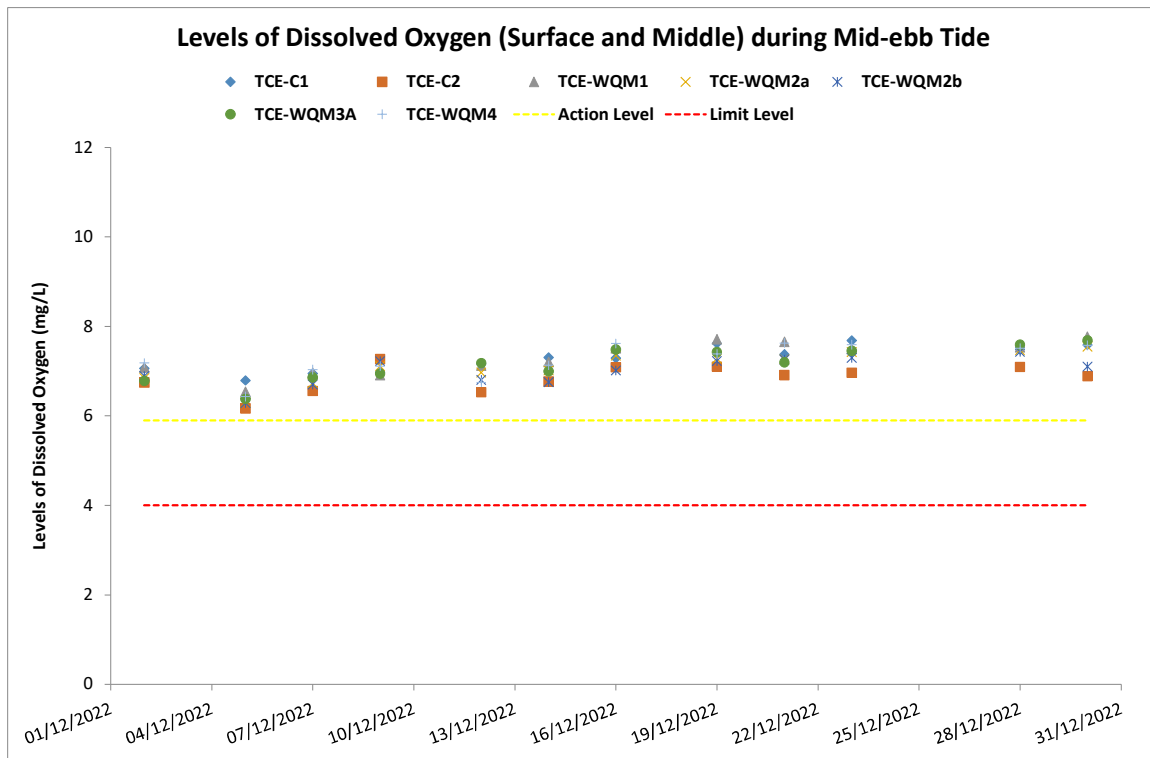


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 December 2022

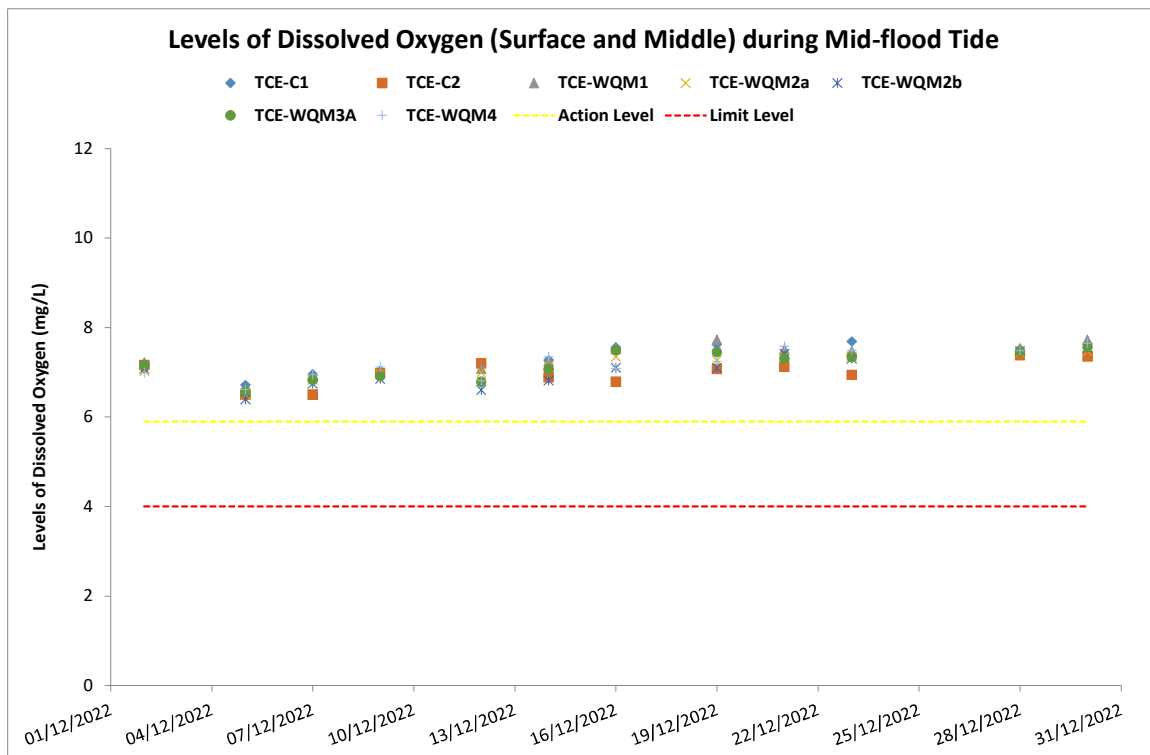


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 December 2022

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

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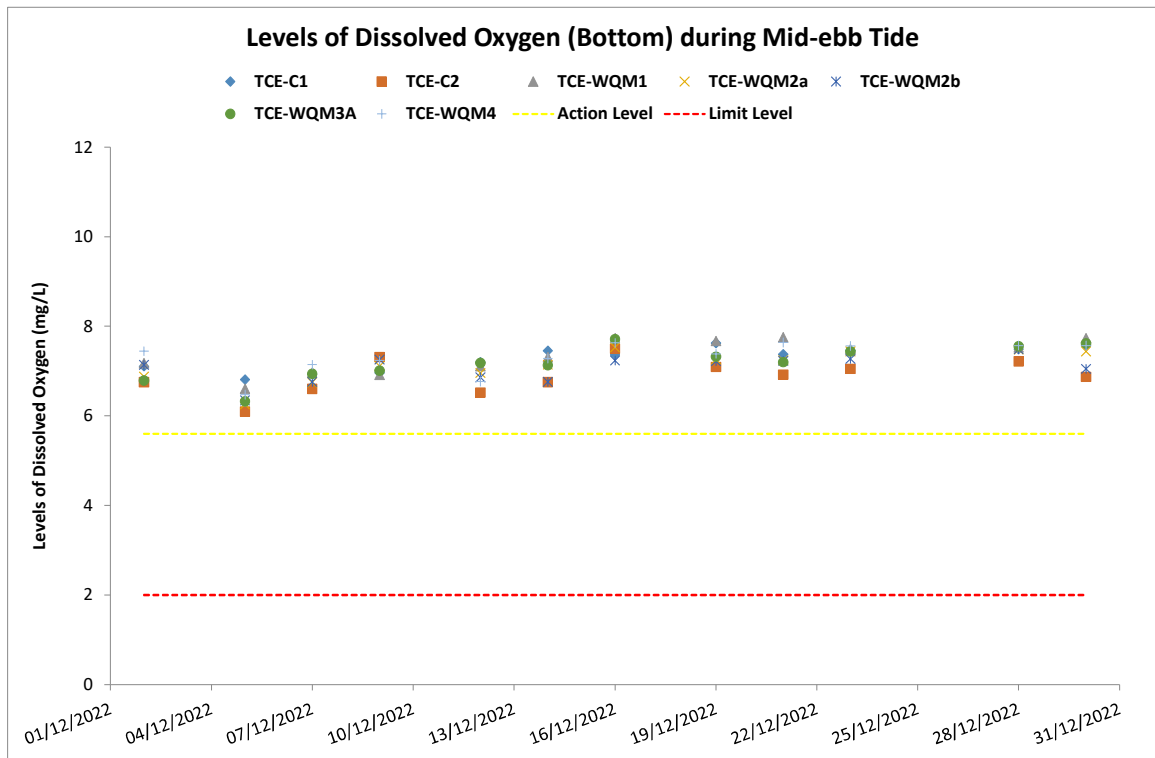


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 December 2022

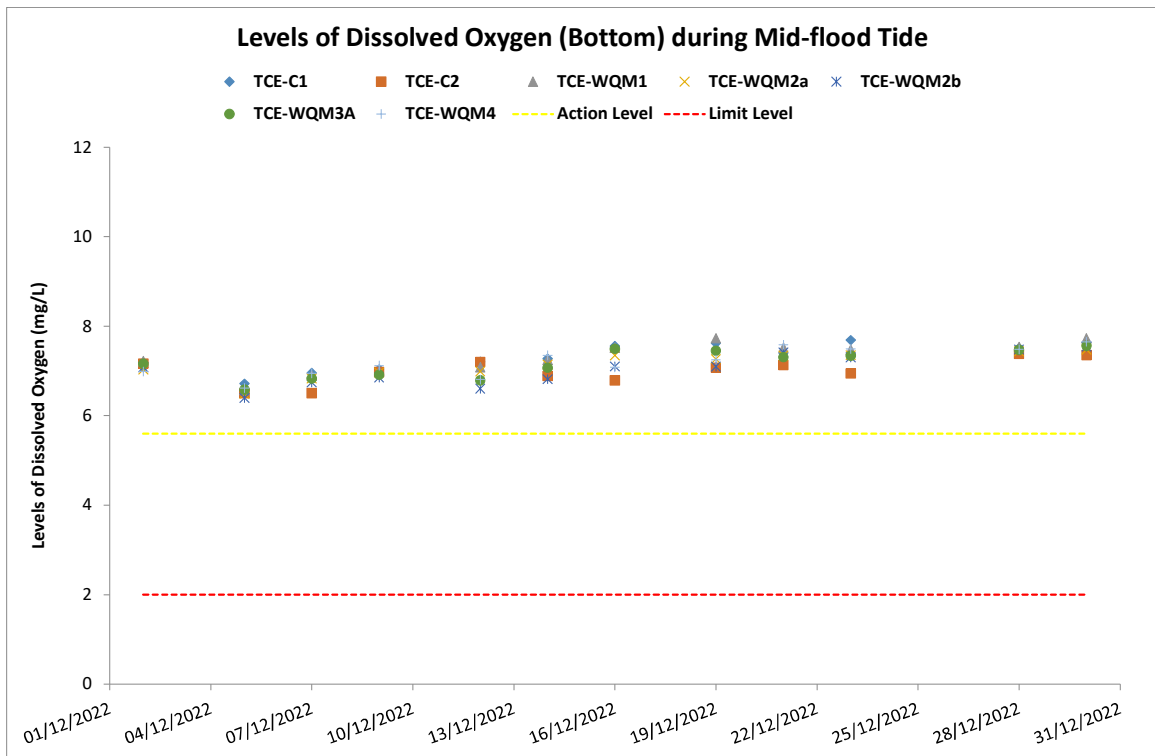


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 December 2022

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

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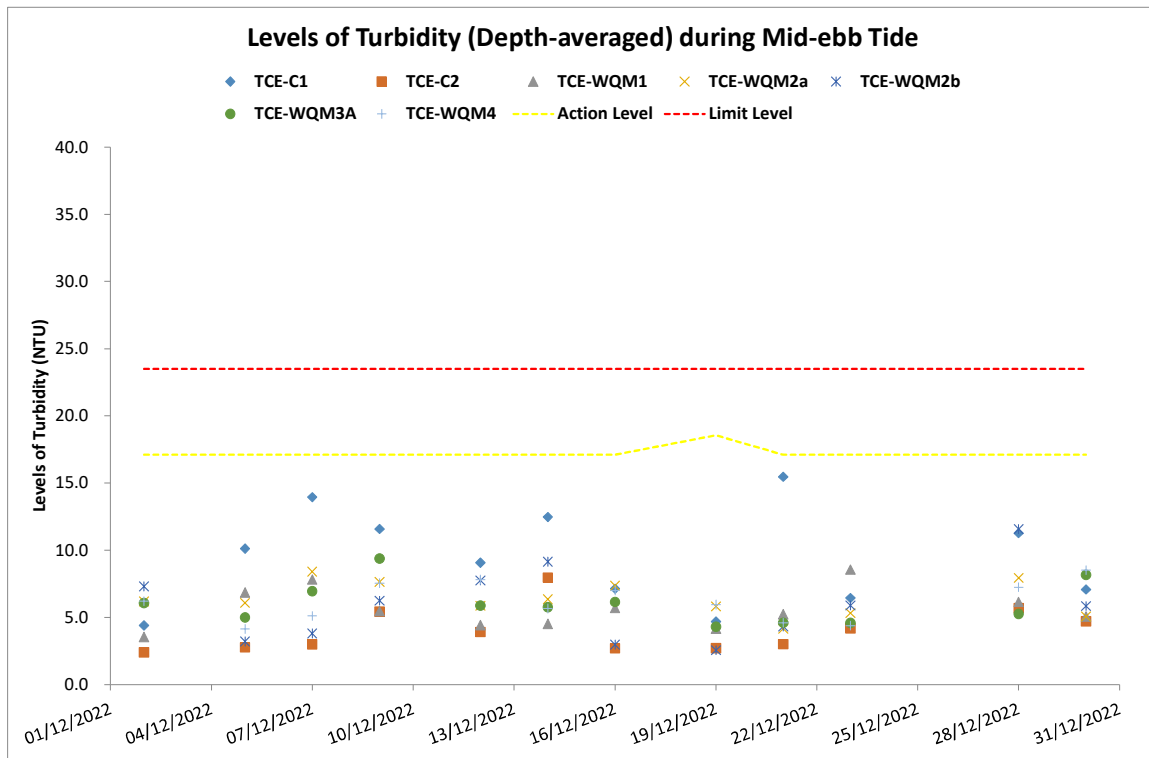


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 December 2022

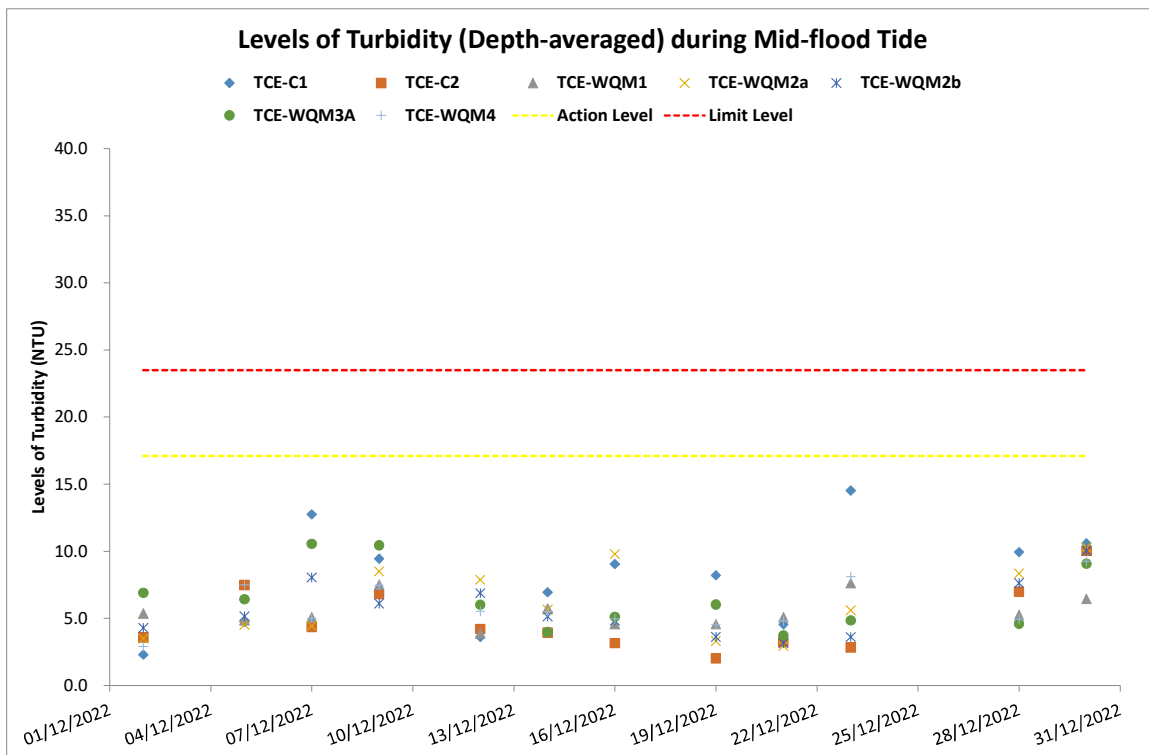


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 December 2022

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

Date: December 2022

Environmental Resources Management



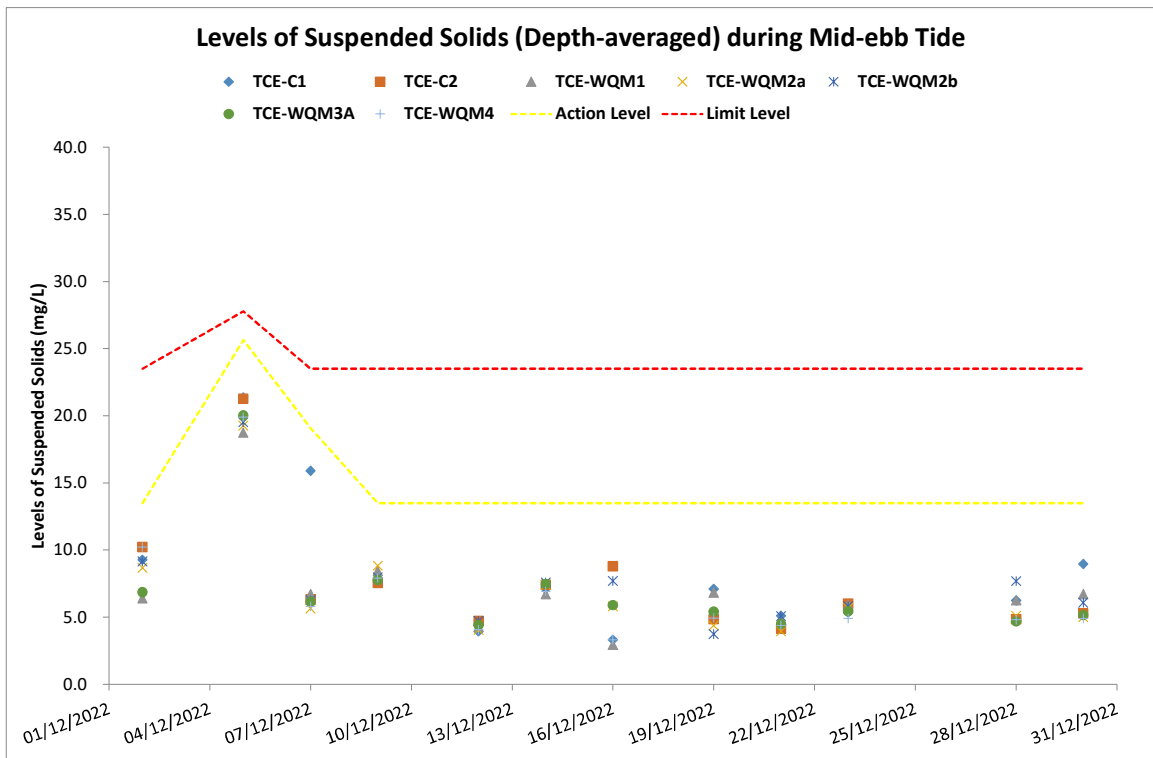


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 December 2022

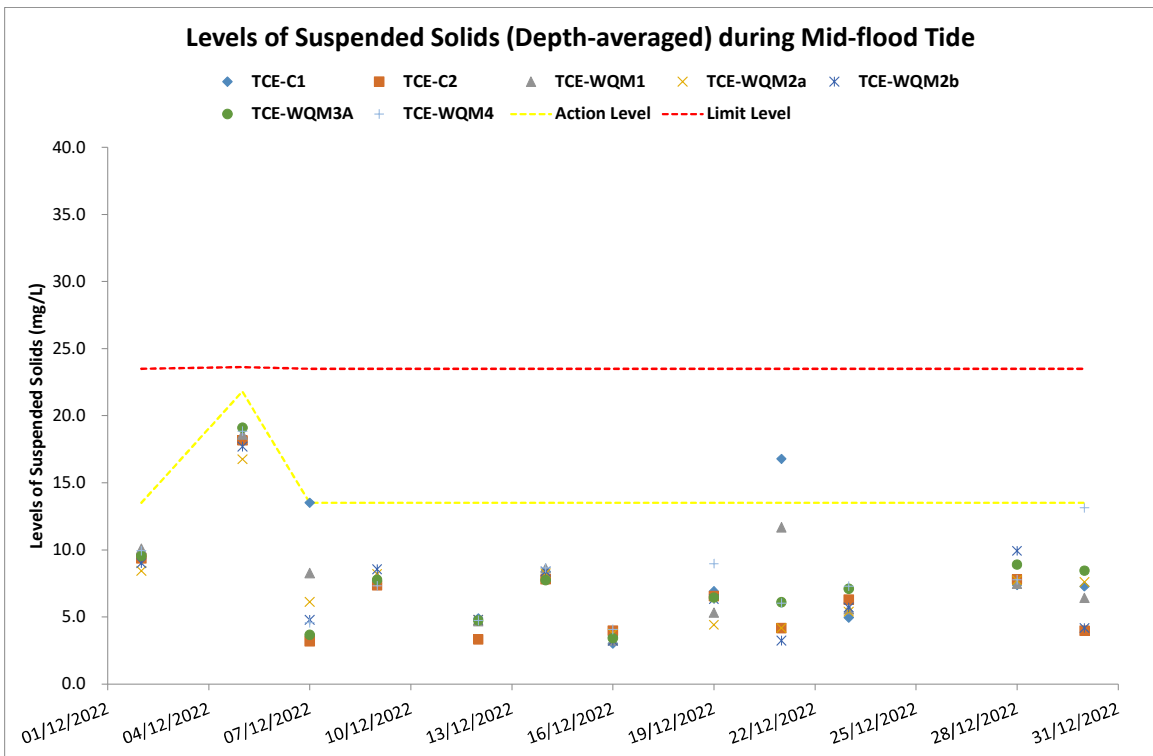


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 December 2022

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: December 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)					
2022-12-02	Mid-Ebb	TCE-C1	Fine	Moderate	9:19	8.2	Surface	1.0	1	22.1	8.1	32.2	7.1	97.4	3.9	9.9	7.1	4.4	9.3					
									2	22.1	8.1	32.2	7.1	97.5	4.0	9.2								
							Middle	4.1	1	22.1	8.1	32.2	7.1	97.6	4.2	9.3								
									2	22.1	8.1	32.2	7.1	97.7	4.2	8.9								
				Bottom	7.2	1	22.1	8.1	32.2	7.1	98.1	5.0	9.8	7.1										
						2	22.1	8.1	32.2	7.1	98.3	5.1	8.6											
		TCE-C2	Fine	Moderate	7:11	13.0	Surface	1.0	1	21.9	8.0	31.6	6.7				92.5	1.6	10.4	6.7	2.4	10.2		
									2	21.9	8.0	31.6	6.7				92.5	1.6	9.6					
							Middle	6.5	1	21.9	8.0	31.6	6.8	92.5	2.3	10.9								
									2	21.9	8.0	31.6	6.8	92.6	2.3	9.4								
				Bottom	12.0	1	21.9	7.9	31.6	6.8	92.6	3.3	11.4	6.8										
						2	21.9	7.9	31.6	6.8	92.6	3.4	9.7											
	TCE-WQM1	Fine	Moderate	8:22	9.0	Surface	1.0	1	22.1	8.1	32.2	7.1	97.4				2.8	7.4	7.1	3.5	6.4			
								2	22.1	8.1	32.2	7.1	97.6				2.7	6.3						
						Middle	4.5	1	22.1	8.1	32.2	7.1	98.0	3.8	6.5									
								2	22.1	8.1	32.2	7.1	98.4	3.9	5.7									
			Bottom	8.0	1	22.1	8.1	32.2	7.2	99.0	4.0	6.1	7.2											
					2	22.1	8.1	32.2	7.2	99.2	4.1	6.5												
	TCE-WQM2a	Fine	Moderate	7:51	7.2	Surface	1.0	1	22.2	8.0	31.9	6.9				94.5	5.0	8.9	6.9	6.2	8.7			
								2	22.2	8.0	31.9	6.9				94.5	5.0	8.6						
						Middle	3.6	1	22.2	8.0	31.9	6.9	94.6	6.5	8.9									
								2	22.2	8.0	31.8	6.9	94.7	6.5	8.2									
			Bottom	6.2	1	22.2	8.0	31.8	6.9	94.9	7.0	8.2	6.9											
					2	22.1	8.0	31.8	6.9	94.9	7.1	9.3												
	TCE-WQM2b	Fine	Moderate	7:39	10.4	Surface	1.0	1	21.7	7.9	31.2	6.9				93.4	6.3	8.8	6.9	7.3	9.2			
								2	21.7	7.9	31.2	6.9				93.6	6.3	8.7						
						Middle	5.2	1	21.7	7.9	31.2	6.9	94.3	7.1	8.2									
								2	21.7	7.9	31.2	6.9	94.6	7.1	9.8									
			Bottom	9.4	1	21.7	7.9	31.0	7.1	96.5	8.4	10.0	7.1											
					2	21.7	7.9	31.1	7.2	98.1	8.5	9.5												
	TCE-WQM3A	Fine	Moderate	8:01	4.2	Surface	1.0	1	22.3	8.0	31.9	6.8				93.9	5.1	5.6	6.8	6.1	6.9			
								2	22.3	8.0	31.9	6.8				94.0	5.2	6.0						
						Bottom	3.2	1	22.3	8.0	31.9	6.8	94.0	7.0	8.1									
								2	22.3	8.0	31.9	6.8	94.0	7.0	7.8									
	TCE-WQM4	Fine	Moderate	8:11	3.8	Surface	1.0	1	22.1	8.0	31.9	7.2	98.8	5.9	10.0	7.2	6.2	10.2						
								2	22.1	8.0	31.9	7.2	99.0	5.9	11.3									
						Bottom	2.8	1	22.0	8.0	31.8	7.4	101.8	6.5	10.6									
								2	22.0	8.0	31.8	7.5	103.3	6.6	9.0									
	2022-12-02	Mid-Flood	TCE-C1	Fine	Moderate	13:51	8.0	Surface	1.0	1	22.1	8.1	32.3	7.1	97.7	1.1	9.4	7.1	2.3	9.5				
										2	22.1	8.1	32.3	7.1	97.8	1.0	9.8							
								Middle	4.0	1	22.1	8.1	32.3	7.1	98.1	2.2	9.0							
										2	22.1	8.1	32.3	7.1	98.2	2.2	9.8							
						Bottom	7.0	1	22.1	8.1	32.3	7.2	98.9	3.7	9.9	7.2								
								2	22.1	8.1	32.3	7.2	99.1	3.7	8.9									
				TCE-C2	Fine	Moderate	15:50	10.0	Surface	1.0	1	22.2	8.1	32.1	7.1				98.1	2.3	8.8	7.2	3.6	9.4
											2	22.2	8.1	32.1	7.1				98.1	2.3	10.2			
									Middle	5.0	1	22.1	8.1	32.1	7.2	99.7	3.9	9.7						
											2	22.1	8.1	32.1	7.2	99.9	3.8	8.8						
					Bottom	9.0	1	22.1	8.1	32.1	7.3	100.4	4.6	8.9	7.3									
							2	22.1	8.1	32.1	7.3	100.9	4.5	9.8										
TCE-WQM1			Fine	Moderate	14:46	8.6	Surface	1.0	1	22.1	8.1	32.3	7.2	99.2				4.2	10.6	7.2	5.4	10.1		
									2	22.1	8.1	32.3	7.2	99.4				4.1	9.8					
							Middle	4.3	1	22.1	8.1	32.3	7.2	99.9	5.5	9.2								
									2	22.1	8.1	32.3	7.3	100.2	5.4	10.1								
				Bottom	7.6	1	22.1	8.1	32.3	7.3	101.4	6.7	11.2	7.4										
						2	22.1	8.0	32.3	7.4	102.4	6.4	9.6											
TCE-WQM2a			Fine	Moderate	15:16	8.4	Surface	1.0	1	22.1	8.0	32.1	7.0				96.7	3.0	8.4	7.0	3.5	8.4		
									2	22.1	8.0	32.1	7.0				96.7	3.0	8.3					
							Middle	4.2	1	22.1	8.0	32.1	7.0	97.2	3.1	8.9								
									2	22.1	8.0	32.1	7.1	97.4	3.2	8.4								
				Bottom	7.4	1	22.1	8.0	32.1	7.1	97.7	4.4	8.3	7.1										
						2	22.1	8.0	32.1	7.1	97.9	4.4	8.3											
TCE-WQM2b			Fine	Moderate	15:27	10.4	Surface	1.0	1	22.1	8.0	32.1	7.1				97.4	3.6	9.0	7.1	4.3	9.0		
									2	22.1	8.0	32.1	7.1				97.5	3.5	9.2					
							Middle	5.2	1	22.1	8.0	32.1	7.1	98.0	4.1	8.8								
									2	22.1	8.0	32.1	7.1	98.2	4.0	9.0								
				Bottom	9.4	1	22.0	8.0	32.1	7.2	99.1	5.2	9.1	7.3										
						2	22.0	8.0	32.1	7.4	101.4	5.3	9.0											
TCE-WQM3A			Fine	Moderate	15:07	4.0	Surface	1.0	1	22.0	8.0	32.2	7.2				98.6	6.7	8.8	7.2	6.9	9.6		
									2	22.0	8.0	32.2	7.2				98.9	6.8	9.6					
							Bottom	3.0	1	21.9	8.0	32.1	7.4	101.6	7.0	9.0								
									2	22.0	8.0	32.0	7.5	102.6	7.1	10.8								
TCE-WQM4			Fine	Moderate	14:57	4.2	Surface	1.0	1	22.1	8.0	32.2	7.0	96.4	2.1	9.0	7.0	2.9	9.9					
									2	22.1	8.0	32.2	7.0	96.5	2.2	9.8								
							Bottom	3.2	1	22.1	8.0	32.2	7.1	98.4	3.6	9.8								
									2	22.1	8.0	32.2	7.2	98.8	3.7	11.1								

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)
2022-12-05	Mid-Ebb	TCE-C1	Cloudy	Rough	11:23	7.8	Surface	1.0	1	21.9	8.0	34.6	6.8	96.3	11.8	22.8	6.8	10.1	21.4
									2	21.9	8.0	34.6	6.8	96.4	11.8	22.4			
							Middle	3.9	1	21.9	8.0	34.6	6.8	96.4	10.9	21.1			
							Bottom	6.8	1	21.8	8.0	34.6	6.8	96.5	10.9	21.5			
				2	21.8	8.0	34.6	6.8	96.8	7.6	20.0								
				2	21.8	8.0	34.6	6.8	96.8	7.7	20.4								
		TCE-C2	Cloudy	Moderate	9:33	13.3	Surface	1.0	1	22.9	8.0	34.4	6.2	90.0	2.3	22.2	6.2	2.8	21.3
				2	22.9	8.0	34.4	6.2	90.0	2.3	22.0								
		Middle	6.7	1	22.9	8.0	34.4	6.1	88.9	2.6	21.0								
		Bottom	12.3	1	22.9	8.0	34.4	6.1	88.9	2.7	21.4								
				2	22.9	8.0	34.4	6.1	89.1	3.4	20.4								
				2	22.9	8.0	34.4	6.1	89.1	3.4	20.7								
	TCE-WQM1	Cloudy	Moderate	10:41	9.9	Surface	1.0	1	22.0	7.9	33.5	6.5	91.9	5.5	17.7	6.5	6.9	18.8	
			2	22.0	7.9	33.5	6.5	91.9	5.5	17.4									
	Middle	5.0	1	22.0	7.9	33.5	6.6	92.3	5.8	18.1									
	Bottom	8.9	1	21.9	7.9	33.5	6.6	92.8	9.3	20.4									
			2	21.9	7.9	33.5	6.6	92.9	9.3	20.3									
	TCE-WQM2a	Cloudy	Moderate	10:08	6.9	Surface	1.0	1	22.6	8.0	33.8	6.3	90.3	4.2	20.7	6.3	6.1	19.3	
			2	22.6	8.0	33.8	6.3	90.3	4.2	21.2									
	Middle	3.5	1	22.6	7.9	33.9	6.3	89.9	5.0	19.5									
	Bottom	5.9	1	22.7	8.0	34.2	6.3	89.9	5.0	19.1									
			2	22.7	8.0	34.2	6.3	90.0	9.1	17.3									
	TCE-WQM2b	Cloudy	Moderate	9:57	9.1	Surface	1.0	1	22.7	8.0	34.1	6.3	90.5	3.3	21.2	6.3	3.2	19.5	
			2	22.7	8.0	34.1	6.3	90.5	3.4	20.9									
	Middle	4.6	1	22.7	8.0	34.2	6.3	90.6	3.3	19.6									
	Bottom	8.1	1	22.7	8.0	34.2	6.3	91.3	3.0	18.0									
			2	22.7	8.0	34.2	6.3	91.4	3.0	17.6									
	TCE-WQM3A	Cloudy	Moderate	10:18	5.1	Surface	1.0	1	22.4	7.9	33.4	6.4	90.7	3.8	19.1	6.4	5.0	20.0	
			2	22.4	7.9	33.4	6.4	90.7	3.8	18.7									
	Bottom	4.1	1	22.5	7.9	33.6	6.3	90.2	6.2	21.1									
			2	22.5	7.9	33.6	6.3	90.2	6.2	21.2									
	TCE-WQM4	Cloudy	Moderate	10:29	4.6	Surface	1.0	1	22.3	8.1	33.3	6.4	91.5	3.4	19.5	6.4	4.1	19.9	
			2	22.3	8.1	33.3	6.4	91.5	3.4	19.2									
	Bottom	3.6	1	22.3	8.1	33.4	6.5	91.8	4.9	20.6									
			2	22.3	8.1	33.4	6.5	91.9	4.9	20.3									
	2022-12-05	Mid-Flood	TCE-C1	Fine	Rough	15:18	7.2	Surface	1.0	1	22.0	8.0	33.4	6.7	94.8	4.6	17.8	6.7	4.7
									2	22.0	8.0	33.4	6.7	94.9	4.6	17.4			
Middle								3.6	1	22.0	8.0	33.4	6.7	95.8	4.7	18.5			
Bottom								6.2	1	21.9	8.0	33.4	6.8	96.0	4.8	18.3			
				2	21.9	8.0	33.5	6.8	97.0	4.8	18.8								
				2	21.9	8.0	33.5	6.9	97.3	4.9	19.2								
TCE-C2			Fine	Rough	17:20	14.3	Surface	1.0	1	22.9	8.0	34.5	6.8	99.5	5.6	17.7	6.5	7.5	18.2
				2	22.9	8.0	34.5	6.9	99.5	5.6	17.4								
Middle			7.2	1	22.9	8.0	34.5	6.1	89.4	7.8	18.3								
Bottom			13.3	1	22.9	8.0	34.5	6.1	89.4	7.8	18.0								
				2	22.9	8.0	34.5	6.4	92.3	9.0	18.7								
				2	22.9	8.0	34.5	6.4	92.3	9.0	18.9								
TCE-WQM1			Fine	Moderate	16:04	9.5	Surface	1.0	1	22.1	7.9	33.3	6.6	93.6	3.4	17.9	6.6	4.9	18.6
				2	22.1	7.9	33.3	6.6	93.6	3.4	18.2								
Middle			4.8	1	22.0	7.9	33.5	6.5	92.8	5.6	18.4								
Bottom			8.5	1	22.0	7.9	33.5	6.5	92.8	5.6	18.8								
				2	22.0	7.9	33.6	6.5	92.6	5.6	19.3								
				2	22.0	7.9	33.6	6.5	92.6	5.6	19.0								
TCE-WQM2a			Fine	Rough	16:42	7.4	Surface	1.0	1	22.4	7.9	33.6	6.5	92.9	2.9	17.9	6.5	4.5	16.8
				2	22.4	7.9	33.6	6.5	92.9	2.9	17.6								
Middle			3.7	1	22.5	7.9	33.6	6.5	92.3	3.4	16.9								
Bottom			6.4	1	22.5	7.9	33.6	6.4	92.3	3.3	16.3								
				2	22.7	7.9	34.0	6.4	91.1	7.3	15.7								
				2	22.7	7.9	34.0	6.3	91.1	7.3	16.1								
TCE-WQM2b			Fine	Rough	16:55	10.5	Surface	1.0	1	22.8	8.0	34.2	6.4	92.3	3.9	17.9	6.4	5.2	17.7
				2	22.8	8.0	34.2	6.4	92.3	3.8	17.5								
Middle			5.3	1	22.8	8.0	34.2	6.4	91.8	4.3	16.9								
Bottom			9.5	1	22.8	8.0	34.2	6.4	91.8	4.4	17.3								
				2	22.8	8.0	34.3	6.3	91.2	7.2	18.5								
				2	22.8	8.0	34.3	6.3	91.2	7.3	18.1								
TCE-WQM3A			Fine	Moderate	16:29	4.9	Surface	1.0	1	22.2	7.9	33.2	6.6	93.1	6.6	18.2	6.6	6.4	19.1
				2	22.2	7.9	33.2	6.6	93.1	6.6	18.6								
Bottom			3.9	1	22.1	7.9	33.3	6.5	92.2	6.3	19.8								
				2	22.1	7.9	33.3	6.5	92.2	6.3	19.8								
TCE-WQM4			Fine	Moderate	16:17	4.2	Surface	1.0	1	22.1	7.9	33.2	6.6	93.8	5.1	18.4	6.6	7.5	18.9
				2	22.1	7.9	33.2	6.6	93.9	5.1	18.2								
Bottom	3.2	1	22.0	7.9	33.3	6.7	94.2	9.9	19.6										
		2	22.0	7.9	33.3	6.7	94.3	9.9	19.2										

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)
2022-12-07	Mid-Ebb	TCE-C1	Fine	Moderate	11:16	8.3	Surface	1.0	1	21.2	8.0	32.6	7.0	94.5	13.2	14.9	6.9	13.9	15.9
									2	21.2	8.0	32.6	6.9	94.5	13.2	14.9			
							Middle	4.2	1	21.1	8.0	32.6	6.9	94.4	14.1	16.6			
							Bottom	7.3	1	21.1	8.0	32.6	6.9	94.4	14.0	15.8			
						2	21.1	8.0	32.6	6.9	94.3	14.3	17.0	6.9	3.0	6.3			
		TCE-C2	Fine	Moderate	13:05	14.5	Surface	1.0	1	22.0	8.0	32.5	6.6				91.1	2.2	6.6
								2	22.0	8.0	32.5	6.6	91.0				2.3	7.7	
		Middle					7.3	1	21.8	8.0	32.5	6.5	89.7				3.2	6.4	
		Bottom					13.5	1	21.8	8.0	32.5	6.5	89.7	3.3	5.9				
						2	21.8	8.0	32.5	6.6	90.8	3.5	6.1	6.6	7.8	6.8			
		TCE-WQM1	Fine	Moderate	11:53	8.8	Surface	1.0	1	20.3	7.9	31.9	7.0				92.8	6.8	5.0
								2	20.3	7.9	31.9	7.0	92.8				6.9	4.5	
	Middle	4.4					1	20.2	7.9	31.9	7.0	92.7	8.0				5.4		
	Bottom	7.8					1	20.2	7.9	31.9	7.0	92.7	8.2	6.4					
					2	20.2	7.9	31.9	7.0	92.8	8.5	10.0	7.0	8.4	5.7				
	TCE-WQM2a	Fine	Moderate	12:31	6.8	Surface	1.0	1	21.0	7.9	32.1	6.8				91.3	5.4	6.1	
							2	21.0	7.9	32.1	6.8	91.3				5.4	5.6		
	Middle					3.4	1	21.0	7.9	32.1	6.7	91.0				8.2	6.2		
	Bottom					5.8	1	21.0	7.9	32.1	6.7	91.0	8.8	6.1					
					2	21.0	7.9	32.1	6.8	91.3	10.7	5.0	6.7	3.8	6.3				
	TCE-WQM2b	Fine	Moderate	12:43	11.8	Surface	1.0	1	21.6	7.9	32.3	6.7				91.8	2.9	6.4	
							2	21.5	7.9	32.3	6.7	91.7				3.0	6.1		
	Middle					5.9	1	21.3	7.9	32.3	6.7	91.3				3.8	6.0		
	Bottom					10.8	1	21.3	7.9	32.3	6.7	91.3	3.9	6.6					
				2	21.3	7.9	32.3	6.8	92.0	4.6	6.2	6.8	6.9	6.2					
TCE-WQM3A	Fine	Moderate	12:21	4.8	Surface	1.0	1	20.9	7.9	31.8	6.9				92.5	5.3	6.0		
						2	20.9	7.9	31.8	6.9	92.5				5.3	6.5			
Bottom					3.8	1	20.9	7.9	31.9	6.9	93.5				8.6	5.8			
						2	20.9	7.9	31.9	6.9	93.6	8.7	6.4						
				2	20.9	7.9	31.9	6.9	93.5	8.6	5.8	6.9	5.1	5.8					
TCE-WQM4	Fine	Moderate	12:10	3.8	Surface	1.0	1	20.8	7.9	31.7	7.0				94.6	4.9	6.1		
						2	20.8	7.9	31.7	7.0	94.8				5.0	6.1			
Bottom					2.8	1	20.8	7.9	31.8	7.1	96.2				5.3	5.7			
						2	20.8	8.0	31.8	7.2	96.4	5.3	5.3						
2022-12-07	Mid-Flood	TCE-C1	Fine	Moderate	8:45	8.0	Surface	1.0	1	21.2	8.0	32.6	7.0	94.7	12.5	10.3	7.0	12.8	13.5
									2	21.2	8.0	32.6	7.0	94.7	12.5	11.1			
							Middle	4.0	1	21.1	8.0	32.6	7.0	94.6	13.4	14.0			
							Bottom	7.0	1	21.1	7.9	32.6	7.0	94.6	13.7	19.2			
						2	21.1	7.9	32.6	7.0	94.6	12.1	11.8	7.0	4.4	3.2			
		TCE-C2	Fine	Moderate	6:51	14.2	Surface	1.0	1	21.7	7.8	32.1	6.5				89.3	3.5	3.2
								2	21.7	7.8	32.1	6.5	89.3				3.5	3.2	
		Middle					7.1	1	21.7	7.8	32.0	6.5	89.1				4.2	3.3	
		Bottom					13.2	1	21.7	7.8	31.8	6.5	89.2	4.3	3.5				
						2	21.7	7.8	31.8	6.5	89.2	5.3	3.1	6.5	5.1	8.3			
		TCE-WQM1	Fine	Moderate	8:04	8.4	Surface	1.0	1	20.2	7.9	31.7	6.9				91.9	5.1	8.4
								2	20.2	7.9	31.7	6.9	91.9				5.1	8.5	
	Middle	4.2					1	20.2	7.9	31.7	6.9	91.8	5.1				8.0		
	Bottom	7.4					1	20.2	7.9	31.7	6.9	91.9	5.1	8.9					
					2	20.2	7.9	31.7	6.9	92.1	5.0	8.0	6.9	4.4	6.1				
	TCE-WQM2a	Fine	Moderate	7:30	7.0	Surface	1.0	1	20.2	7.9	31.7	6.9				92.2	5.1	7.8	
							2	20.2	7.9	31.7	6.9	92.2				5.1	7.8		
	Middle					3.5	1	20.8	7.9	32.0	6.8	92.2				3.8	6.7		
	Bottom					6.0	1	20.8	7.9	32.0	6.8	92.2	3.8	6.2					
					2	20.8	7.9	32.0	6.8	92.3	4.3	6.2	6.8	8.0	4.8				
	TCE-WQM2b	Fine	Moderate	7:18	11.5	Surface	1.0	1	21.2	7.9	32.2	6.7				91.4	6.9	6.3	
							2	21.2	7.9	32.2	6.7	91.4				7.1	6.2		
	Middle					5.8	1	21.2	7.9	32.2	6.8	91.9				8.0	4.5		
	Bottom					10.5	1	21.2	7.9	32.2	6.8	92.0	8.0	3.5					
				2	21.2	7.9	32.2	6.8	92.7	9.2	3.9	6.7	10.5	3.7					
TCE-WQM3A	Fine	Moderate	7:42	4.4	Surface	1.0	1	21.2	7.9	32.2	6.8				92.7	9.2	3.9		
						2	21.2	7.9	32.2	6.8	92.8				9.1	4.3			
Bottom					3.4	1	20.8	7.9	31.8	6.8	92.2				12.4	3.4			
						2	20.8	7.9	31.7	6.9	92.3	12.9	4.7						
				2	20.8	7.9	31.7	6.9	92.3	12.9	4.7	6.9	5.0	4.6					
TCE-WQM4	Fine	Moderate	7:52	3.6	Surface	1.0	1	20.7	7.9	31.7	7.0				93.3	4.8	2.9		
						2	20.7	7.9	31.7	7.0	93.3				4.9	3.0			
Bottom					2.6	1	20.7	7.9	31.7	7.0	93.7				5.2	3.2			
						2	20.7	7.9	31.7	7.0	93.8	5.2	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)
2022-12-09	Mid-Ebb	TCE-C1	Fine	Moderate	11:56	8.4	Surface	1.0	1	20.5	8.0	31.5	7.0	92.7	10.8	8.3	7.0	11.6	8.0
									2	20.5	8.0	31.5	7.0	92.7	10.8	7.6			
							Middle	4.2	1	20.5	8.0	31.5	7.0	92.6	11.7	7.6			
							Bottom	7.4	1	20.5	8.0	31.5	7.0	92.6	11.7	7.8			
						2	20.5	8.0	31.5	7.0	92.5	12.5	8.8	7.0					
				2	20.0	8.1	31.4	7.3	96.5	4.7	8.3								
				2	20.0	8.1	31.4	7.3	96.4	4.7	7.8								
		Middle	6.9	1	19.9	8.1	31.4	7.2	95.1	5.7	7.1								
						2	19.9	8.1	31.4	7.2	95.1	5.7	7.7	7.3	5.4	7.6			
				2	19.9	8.1	31.4	7.3	96.2	6.0	6.9								
				2	19.9	8.1	31.4	7.3	96.3	5.9	7.5								
		Middle	4.2	1	20.0	8.0	31.3	6.9	91.0	4.5	8.7								
						2	20.0	8.0	31.3	6.9	91.0	4.6	8.4	6.9	5.5	8.5			
				2	20.0	8.0	31.3	6.9	90.9	5.7	9.2								
				2	20.0	8.0	31.3	6.9	90.9	5.8	7.7								
		Bottom	7.3	1	20.0	8.0	31.3	6.9	91.0	6.1	8.2								
						2	20.0	8.0	31.3	6.9	91.1	6.2	8.6	6.9					
				2	19.5	8.0	31.5	7.1	93.1	7.8	9.5								
				2	19.5	8.0	31.5	7.1	93.1	7.8	9.4								
		Middle	3.6	1	19.5	8.0	31.6	7.1	92.8	5.8	8.0								
						2	19.5	8.0	31.6	7.1	92.8	6.5	8.9	7.1	7.6	8.8			
				2	19.5	8.0	31.6	7.1	93.0	8.3	9.1								
				2	19.6	8.0	31.6	7.1	93.1	9.6	8.1								
		Bottom	6.1	1	19.5	8.0	31.6	7.1	93.0	8.3	9.1								
					2	19.6	8.0	31.6	7.1	93.1	9.6	8.1	7.1						
			2	19.0	8.0	31.2	7.2	93.6	5.4	9.2									
			2	19.0	8.0	31.2	7.2	93.5	5.5	8.7									
	Middle	5.7	1	19.0	8.0	31.2	7.2	93.1	6.3	7.5									
					2	19.0	8.0	31.2	7.2	93.1	6.3	8.1	7.2	6.2	8.0				
			2	19.0	8.0	31.2	7.2	93.8	7.0	7.7									
			2	19.0	8.0	31.2	7.3	93.8	7.0	6.6									
	Bottom	10.3	1	19.0	8.0	31.2	7.3	93.8	7.0	6.6									
					2	19.0	8.0	31.2	7.3	93.8	7.0	6.6	7.3						
			2	19.6	8.0	31.4	7.0	91.8	11.1	9.4									
			2	19.6	8.0	31.4	7.0	91.8	11.1	9.4									
	Bottom	3.7	1	19.7	8.0	31.4	7.0	91.7	11.0	7.6									
					2	19.6	8.0	31.4	7.0	91.8	11.1	9.4	7.0	9.4	7.8				
			2	19.6	8.0	31.2	7.1	92.8	7.4	8.9									
			2	19.6	8.0	31.2	7.1	93.0	7.4	7.9									
	Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7									
					2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2	7.5	7.9				
			2	19.6	8.0	31.2	7.2	94.4	7.7	7.7									
			2	19.6	8.0	31.2	7.2	94.4	7.7	7.2									
	Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7									
					2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2						
			2	19.6	8.0	31.2	7.2	94.6	7.7	7.2									
			2	19.6	8.0	31.2	7.2	94.6	7.7	7.2									
	Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7									
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
		2	19.6	8.0	31.2	7.2	94.6	7.7	7.2										
Bottom	2.5	1	19.6	8.0	31.2	7.2	94.4	7.7	7.7										
				2	19.6	8.0	31.2	7.2	94.6	7.7	7.2	7.2							

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)
2022-12-12	Mid-Ebb	TCE-C1	Fine	Rough	4:12	8.3	Surface	1.0	1	19.9	7.9	32.6	7.2	95.2	6.4	3.3	7.2	9.1	4.0
									2	19.9	7.9	32.6	7.2	95.2	6.4	3.4			
							Middle	4.2	1	19.9	7.9	32.6	7.2	95.4	9.5	4.7			
							Bottom	7.3	1	19.8	7.9	32.6	7.2	95.6	11.3	4.3			
				2	19.8	7.9	32.6	7.2	95.7	11.3	3.8								
		TCE-C2	Fine	Rough	2:12	13.2	Surface	1.0	1	20.8	7.8	32.2	6.6	88.5	3.0	4.8	6.5	3.9	4.7
									2	20.8	7.8	32.2	6.6	88.5	3.0	4.5			
							Middle	6.6	1	20.8	7.7	32.1	6.5	87.9	4.4	4.4			
							Bottom	12.2	1	20.8	7.7	32.1	6.5	87.9	4.4	4.7			
				2	20.8	7.7	32.1	6.5	87.9	4.4	4.9								
				2	20.8	7.7	32.1	6.5	87.9	4.4	5.0								
		TCE-WQM1	Fine	Moderate	3:21	10.2	Surface	1.0	1	19.5	7.9	32.2	7.1	93.9	4.5	3.8	7.1	4.4	4.3
								2	19.5	7.9	32.2	7.1	93.9	4.5	4.3				
	Middle						5.1	1	19.5	7.9	32.2	7.1	93.8	4.2	4.5				
	Bottom						9.2	1	19.3	7.9	32.2	7.1	93.4	4.5	4.1				
			2	19.3	7.9	32.2	7.1	93.4	4.5	4.6									
	TCE-WQM2a	Fine	Rough	2:46	7.9	Surface	1.0	1	19.9	7.9	32.2	7.0	92.7	5.2	3.9	7.0	5.9	4.1	
								2	19.9	7.9	32.2	7.0	92.7	5.2	4.9				
						Middle	4.0	1	20.0	7.9	32.2	7.0	92.5	5.6	4.4				
						Bottom	6.9	1	20.0	7.9	32.2	7.0	92.5	5.6	3.0				
			2	20.0	7.9	32.2	7.0	92.5	6.8	3.5									
			2	20.0	7.9	32.2	7.0	92.5	6.8	4.6									
	TCE-WQM2b	Fine	Rough	2:34	10.7	Surface	1.0	1	20.5	7.9	32.3	6.8	91.5	7.6	4.7	6.8	7.8	4.7	
								2	20.5	7.9	32.3	6.8	91.6	7.7	4.8				
Middle						5.4	1	20.5	7.9	32.3	6.8	91.1	8.3	4.8					
Bottom						9.7	1	20.5	7.9	32.3	6.8	91.1	8.4	5.1					
		2	20.5	7.9	32.3	6.9	92.0	7.2	4.6										
		2	20.5	7.9	32.3	6.9	92.1	7.3	4.3										
TCE-WQM3A	Fine	Moderate	2:57	5.2	Surface	1.0	1	19.6	7.9	32.1	7.2	94.7	4.7	4.6	7.2	5.9	4.4		
							2	19.6	7.9	32.1	7.2	94.7	4.7	4.0					
					Bottom	4.2	1	19.5	7.9	32.1	7.2	94.6	7.0	4.4					
		2	19.5	7.9	32.1	7.2	94.6	7.1	4.7										
TCE-WQM4	Fine	Moderate	3:10	4.8	Surface	1.0	1	20.5	7.9	32.4	6.8	90.7	6.4	4.3	6.8	7.8	4.1		
							2	20.5	7.9	32.4	6.8	90.7	6.4	4.4					
					Bottom	3.8	1	20.5	7.9	32.3	6.8	90.8	9.2	3.8					
		2	20.5	7.9	32.3	6.8	90.9	9.3	3.8										
2022-12-12	Mid-Flood	TCE-C1	Cloudy	Rough	9:18	7.8	Surface	1.0	1	19.5	7.9	32.2	7.2	94.6	3.5	4.3	7.2	3.6	4.9
									2	19.5	7.9	32.2	7.2	94.7	3.5	5.4			
							Middle	3.9	1	19.5	8.0	32.2	7.2	95.1	3.7	4.8			
							Bottom	6.8	1	19.4	8.0	32.2	7.3	96.0	3.6	5.0			
				2	19.4	8.0	32.2	7.3	95.7	3.6	4.7								
		TCE-C2	Cloudy	Rough	11:29	12.5	Surface	1.0	1	21.2	7.9	32.6	7.2	98.8	3.5	2.8	7.2	4.2	3.3
									2	21.2	7.9	32.6	7.2	98.8	3.5	2.8			
							Middle	6.3	1	21.2	7.9	32.6	7.2	98.5	4.2	3.9			
							Bottom	11.5	1	21.1	7.9	32.6	7.2	98.6	4.2	3.1			
				2	21.1	7.9	32.6	6.6	89.2	4.9	3.6								
				2	21.1	7.9	32.6	6.6	89.2	4.9	3.8								
		TCE-WQM1	Cloudy	Moderate	10:07	8.4	Surface	1.0	1	19.5	7.9	32.2	7.1	93.5	3.7	4.9	7.1	3.9	4.7
								2	19.5	7.9	32.2	7.1	93.5	3.6	4.8				
	Middle						4.2	1	19.5	7.9	32.2	7.1	93.1	3.7	4.3				
	Bottom						7.4	1	19.4	7.9	32.2	7.0	92.5	4.2	4.9				
			2	19.4	7.9	32.2	7.0	92.5	4.3	4.7									
	TCE-WQM2a	Cloudy	Moderate	10:44	7.1	Surface	1.0	1	20.1	7.9	32.2	7.0	93.2	9.5	4.6	7.0	7.9	4.8	
								2	20.1	7.9	32.2	7.0	93.2	9.5	4.6				
						Middle	3.6	1	20.1	7.9	32.2	7.0	93.1	6.3	5.1				
						Bottom	6.1	1	20.0	7.9	32.2	7.0	93.1	6.3	4.9				
			2	20.0	7.9	32.2	7.0	92.7	7.8	4.7									
			2	20.0	7.9	32.2	7.0	92.7	7.8	4.8									
	TCE-WQM2b	Cloudy	Rough	11:02	9.6	Surface	1.0	1	20.8	7.9	32.4	6.6	89.2	6.4	4.8	6.6	6.9	4.8	
								2	20.8	7.9	32.4	6.6	89.2	6.4	5.3				
Middle						4.8	1	20.8	7.9	32.4	6.6	89.2	6.9	5.0					
Bottom						8.6	1	20.8	7.9	32.4	6.6	89.2	6.9	4.6					
		2	20.8	7.9	32.4	6.6	89.4	7.3	4.6										
		2	20.8	7.9	32.4	6.6	89.4	7.3	4.4										
TCE-WQM3A	Cloudy	Moderate	10:31	4.5	Surface	1.0	1	20.5	7.9	32.3	6.8	91.2	4.8	5.3	6.8	6.0	4.8		
							2	20.5	7.9	32.3	6.8	91.2	4.8	4.3					
					Bottom	3.5	1	20.1	7.9	32.3	6.9	91.8	7.2	4.6					
		2	20.1	7.9	32.3	6.9	91.8	7.3	4.8										
TCE-WQM4	Cloudy	Moderate	10:19	3.9	Surface	1.0	1	20.5	7.9	32.4	6.8	91.5	4.9	4.0	6.8	5.5	4.8		
							2	20.5	7.9	32.4	6.8	91.5	4.9	5.3					
					Bottom	2.9	1	20.2	7.9	32.3	6.9	91.7	6.2	4.8					
		2	20.2	7.9	32.3	6.9	91.7	6.2	4.9										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-12-14	Mid-Ebb	TCE-C1	Rainy	Moderate	5:54	8.0	Surface	1.0	1	18.7	7.9	32.5	7.3	94.9	11.3	6.4	7.3	12.5	7.1
									2	18.7	7.9	32.5	7.3	94.9	11.3	6.7			
							Middle	4.0	1	18.6	7.9	32.5	7.3	94.9	12.7	7.1			
							Bottom	7.0	1	18.7	7.9	32.5	7.3	95.0	12.7	7.4			
				2	18.6	7.8	32.4	7.4	96.6	13.6	7.6								
				2	18.6	7.8	32.4	7.5	96.9	13.3	7.5								
		TCE-C2	Rainy	Moderate	3:55	14.2	Surface	1.0	1	20.0	7.9	32.2	6.8	90.2	5.4	7.5	6.8	8.0	7.4
				2	20.0	7.9	32.2	6.8	90.2	5.4	7.8								
		Middle	7.1	1	20.0	7.9	32.2	6.8	89.7	8.1	7.6								
		Bottom	13.2	1	20.0	7.9	32.2	6.8	89.8	8.3	7.4								
				2	20.0	7.9	32.1	6.8	89.8	10.1	7.1								
				2	20.0	7.9	32.0	6.8	89.8	10.5	7.2								
	TCE-WQM1	Rainy	Moderate	5:15	8.4	Surface	1.0	1	18.5	7.9	32.2	7.2	92.5	4.2	7.3	7.2	4.5	6.7	
			2	18.5	7.9	32.2	7.2	92.5	4.1	7.1									
	Middle	4.2	1	18.4	7.9	32.1	7.3	93.6	4.5	6.6									
	Bottom	7.4	1	18.4	7.9	32.1	7.3	93.7	4.5	6.9									
			2	18.3	7.9	32.1	7.3	94.0	4.9	6.4									
			2	18.3	7.9	32.1	7.3	94.3	4.9	6.0									
	TCE-WQM2a	Rainy	Moderate	4:42	6.8	Surface	1.0	1	19.5	7.9	32.4	7.0	92.0	4.4	7.7	7.0	6.4	7.4	
			2	19.5	7.9	32.4	7.0	92.0	4.4	8.1									
	Middle	3.4	1	19.5	7.9	32.4	7.1	93.3	6.4	7.5									
	Bottom	5.8	1	19.5	7.9	32.4	7.1	93.4	6.6	7.3									
			2	19.5	7.9	32.4	7.1	94.1	8.0	7.1									
			2	19.5	7.9	32.4	7.2	94.2	8.4	6.8									
TCE-WQM2b	Rainy	Moderate	4:31	10.9	Surface	1.0	1	20.0	7.9	32.3	6.8	89.9	7.1	8.0	6.8	9.1	7.6		
		2	20.0	7.9	32.3	6.8	89.9	7.3	8.2										
Middle	5.5	1	20.0	7.9	32.3	6.8	89.8	6.9	7.5										
Bottom	9.9	1	20.0	7.9	32.3	6.8	89.8	7.1	7.6										
		2	20.0	7.9	32.2	6.8	89.9	13.2	7.2										
		2	20.0	7.9	32.2	6.8	90.0	13.3	7.0										
TCE-WQM3A	Rainy	Moderate	4:54	4.6	Surface	1.0	1	19.1	7.9	32.3	7.0	91.5	5.2	7.6	7.0	5.8	7.5		
		2	19.1	7.9	32.3	7.0	91.6	5.2	7.8										
Bottom	3.6	1	19.1	7.9	32.2	7.1	93.1	6.5	7.4										
		2	19.1	7.9	32.2	7.1	93.3	6.1	7.1										
TCE-WQM4	Rainy	Moderate	5:04	3.1	Surface	1.0	1	19.7	7.9	32.4	7.1	94.2	5.3	6.8	7.1	5.7	6.9		
		2	19.7	7.9	32.4	7.1	94.4	5.4	6.5										
Bottom	2.1	1	19.6	7.9	32.4	7.3	96.2	6.0	7.1										
		2	19.6	7.9	32.4	7.3	96.1	6.0	7.3										
2022-12-14	Mid-Flood	TCE-C1	Rainy	Rough	14:54	8.2	Surface	1.0	1	18.5	7.9	32.5	7.3	94.3	7.0	8.0	7.3	9.0	8.4
									2	18.5	7.9	32.5	7.3	94.3	6.5	7.8			
							Middle	4.1	1	18.5	7.9	32.5	7.3	94.3	9.3	8.3			
							Bottom	7.2	1	18.5	7.9	32.5	7.3	94.2	9.9	8.5			
				2	18.5	7.9	32.5	7.3	94.1	10.7	9.0								
				2	18.5	7.9	32.5	7.3	94.1	10.9	8.7								
		TCE-C2	Rainy	Moderate	17:02	14.6	Surface	1.0	1	20.5	7.9	32.5	6.8	91.4	2.8	8.1	6.9	3.2	7.8
				2	20.5	7.9	32.5	6.8	91.6	2.9	8.3								
		Middle	7.3	1	20.4	7.9	32.5	7.0	93.5	3.1	8.0								
		Bottom	13.6	1	20.4	7.9	32.5	7.0	93.6	3.1	7.8								
				2	20.4	7.9	32.5	7.1	94.9	3.5	7.1								
				2	20.4	7.9	32.5	7.1	95.3	3.6	7.5								
	TCE-WQM1	Rainy	Moderate	15:52	8.2	Surface	1.0	1	18.6	7.8	32.0	7.2	93.3	4.3	9.4	7.3	4.6	8.6	
			2	18.6	7.8	32.0	7.2	93.5	4.3	9.4									
	Middle	4.1	1	18.6	7.8	32.0	7.3	94.0	4.6	8.6									
	Bottom	7.2	1	18.6	7.8	32.0	7.3	94.1	4.6	9.0									
			2	18.5	7.7	31.9	7.3	94.7	4.8	7.8									
			2	18.5	7.7	31.9	7.4	95.0	4.8	7.5									
	TCE-WQM2a	Rainy	Moderate	16:23	7.2	Surface	1.0	1	19.6	7.9	32.5	7.1	93.8	7.6	7.9	7.1	9.8	8.3	
			2	19.6	7.9	32.5	7.1	93.8	7.6	7.8									
	Middle	3.6	1	19.5	7.9	32.5	7.2	94.6	11.3	8.1									
	Bottom	6.2	1	19.5	7.9	32.4	7.2	94.7	11.8	8.4									
			2	19.4	7.9	32.4	7.2	95.2	10.0	8.5									
			2	19.4	7.9	32.4	7.3	95.5	10.4	8.8									
TCE-WQM2b	Rainy	Moderate	16:34	11.1	Surface	1.0	1	20.3	7.9	32.5	6.8	90.8	4.7	8.9	6.8	4.8	8.4		
		2	20.3	7.9	32.5	6.8	90.9	4.7	8.6										
Middle	5.6	1	20.3	7.9	32.5	6.8	91.6	4.7	8.3										
Bottom	10.1	1	20.3	7.9	32.5	6.9	91.7	4.7	8.5										
		2	20.2	8.0	32.5	7.0	93.4	5.1	8.1										
		2	20.2	8.0	32.5	7.0	93.6	5.1	8.0										
TCE-WQM3A	Rainy	Moderate	16:13	4.8	Surface	1.0	1	19.2	7.9	32.3	7.1	92.6	4.9	7.2	7.1	5.1	7.8		
		2	19.2	7.9	32.3	7.1	92.9	5.0	7.7										
Bottom	3.8	1	19.1	7.9	32.3	7.3	94.9	5.2	8.2										
		2	19.1	7.9	32.3	7.3	95.2	5.3	7.9										
TCE-WQM4	Rainy	Moderate	16:01	3.4	Surface	1.0	1	18.7	7.9	32.2	7.3	95.1	5.0	8.8	7.3	5.0	8.7		
		2	18.7	7.9	32.2	7.4	95.6	5.0	9.0										
Bottom	2.4	1	18.7	7.9	32.1	7.9	102.2	5.1	8.5										
		2	18.6	7.9	32.2	8.0	103.5	4.8	8.3										

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)			
2022-12-16	Mid-Ebb	TCE-C1	Rainy	Calm	17:59	8.4	Surface	1.0	1	18.1	7.9	32.5	7.3	93.4	6.1	2.7	7.3	7.1	3.3			
									2	18.1	7.9	32.5	7.3	93.5	6.2	2.6						
							Middle	4.2	1	18.1	7.9	32.5	7.3	93.8	7.2	3.2						
									2	18.0	7.9	32.5	7.3	93.9	7.2	3.6						
							Bottom	7.4	1	18.1	7.9	32.4	7.4	94.4	8.0	3.8						
									2	18.1	7.9	32.4	7.4	94.7	8.1	4.1						
		TCE-C2	Rainy	Calm	19:44	12.0	Surface	1.0	1	20.1	7.9	32.5	6.9	91.8	1.7	9.6	7.1	2.7	8.8			
									2	20.1	7.9	32.5	6.9	92.0	1.7	9.2						
							Middle	6.0	1	20.1	7.9	32.5	7.3	97.0	2.6	8.7						
									2	20.1	7.9	32.5	7.3	97.5	2.5	8.9						
							Bottom	11.0	1	20.1	7.9	32.5	7.5	99.5	3.8	8.0						
									2	20.1	7.9	32.5	7.5	100.6	3.8	8.4						
		TCE-WQM1	Rainy	Calm	18:36	9.0	Surface	1.0	1	18.2	7.9	32.4	7.3	93.7	4.9	2.6	7.5	5.7	3.0			
									2	18.2	7.9	32.4	7.5	96.7	4.8	2.8						
							Middle	4.5	1	18.0	7.9	32.4	7.6	97.6	5.8	2.9						
									2	18.0	7.9	32.3	7.6	97.9	5.8	3.0						
							Bottom	8.0	1	18.0	7.9	32.3	7.7	99.1	6.5	3.0						
									2	18.1	7.9	32.3	7.8	99.6	6.5	3.4						
		TCE-WQM2a	Rainy	Calm	19:07	8.6	Surface	1.0	1	19.1	7.9	32.4	7.3	95.5	6.5	6.3	7.3	7.4	5.8			
									2	19.1	7.9	32.4	7.3	95.5	6.5	6.0						
							Middle	4.3	1	18.9	7.9	32.4	7.4	96.3	7.6	5.8						
									2	18.9	7.9	32.4	7.4	96.6	7.5	5.6						
							Bottom	7.6	1	18.9	7.9	32.4	7.5	97.7	8.0	5.6						
									2	18.9	7.9	32.4	7.6	99.0	8.1	5.5						
		TCE-WQM2b	Rainy	Calm	19:17	11.0	Surface	1.0	1	19.5	7.9	32.5	7.0	92.1	2.0	6.5	7.0	3.0	7.7			
									2	19.5	7.9	32.5	7.0	92.2	1.9	6.2						
							Middle	5.5	1	19.5	7.9	32.5	7.0	92.9	3.0	8.2						
									2	19.5	7.9	32.5	7.1	93.0	2.9	7.9						
							Bottom	10.0	1	19.5	7.9	32.5	7.1	93.8	4.0	8.9						
									2	19.5	7.9	32.5	7.4	97.2	4.0	8.5						
		TCE-WQM3A	Rainy	Calm	18:58	4.0	Surface	1.0	1	19.0	7.9	32.3	7.5	97.3	5.7	6.4	7.5	6.1	5.9			
									2	19.0	7.9	32.3	7.5	98.2	5.7	6.2						
							Bottom	3.0	1	19.0	7.9	32.2	7.7	99.7	6.6	5.4						
									2	18.9	7.9	32.2	7.8	101.5	6.6	5.6						
							Surface	1.0	1	18.8	7.9	32.3	7.6	98.6	6.6	3.2				7.6	7.0	3.3
									2	18.8	7.9	32.3	7.7	99.4	6.6	2.9						
		Bottom	3.2	1	18.7	7.9	31.5	7.6	96.7	7.4	3.4											
				2	18.2	8.0	32.4	7.7	97.6	7.5	3.8											
		Surface	1.0	1	18.0	7.9	32.3	7.5	96.1	7.4	2.5	7.6	8.2	3.0								
				2	18.0	7.9	32.3	7.5	96.3	7.5	2.3											
		Middle	4.0	1	18.0	7.8	32.2	7.6	97.4	8.2	3.0											
				2	18.0	7.8	32.1	7.6	97.7	8.1	2.7											
		Bottom	7.0	1	18.0	7.8	32.2	7.7	99.0	9.0	3.6											
				2	18.0	7.9	32.1	7.8	99.9	9.1	4.0											
		TCE-C2	Rainy	Calm	12:22	12.0	Surface	1.0	1	19.8	7.8	32.0	6.8	89.4	1.0	3.4	6.8	2.0	4.0			
									2	19.8	7.8	32.0	6.8	89.4	1.1	3.6						
							Middle	6.0	1	19.7	7.8	31.9	6.8	89.9	2.4	4.1						
									2	19.7	7.8	31.9	6.8	90.1	2.4	3.9						
Bottom	11.0						1	19.7	7.8	31.7	7.0	92.8	2.6	4.4								
							2	19.7	7.8	31.7	7.1	93.3	2.6	4.5								
TCE-WQM1	Rainy	Calm	13:27	9.2	Surface	1.0	1	18.2	7.9	32.3	7.3	93.7	3.8	3.9	7.5	4.6	3.3					
							2	18.1	7.9	32.4	7.5	96.8	3.9	4.1								
					Middle	4.6	1	18.0	7.9	32.3	7.6	97.6	4.8	3.4								
							2	18.0	7.9	32.3	7.6	97.9	4.7	3.2								
					Bottom	8.2	1	18.0	7.9	32.3	7.7	98.9	5.1	2.3								
							2	18.0	7.9	32.3	7.8	99.5	5.1	2.7								
TCE-WQM2a	Rainy	Calm	12:57	6.8	Surface	1.0	1	19.3	7.9	32.5	7.1	93.6	2.6	4.4	7.3	3.3	3.8					
							2	19.3	7.9	32.5	7.1	93.6	2.6	4.8								
					Middle	3.4	1	19.0	7.9	32.5	7.5	98.5	3.2	3.6								
							2	18.9	7.9	32.5	7.6	98.9	3.3	4.0								
					Bottom	5.8	1	18.9	7.9	32.2	7.6	99.5	4.1	2.7								
							2	19.0	7.9	32.2	7.7	100.2	4.1	3.1								
TCE-WQM2b	Rainy	Calm	12:46	11.2	Surface	1.0	1	19.2	7.9	32.5	7.1	92.8	2.3	2.6	7.1	3.6	3.2					
							2	19.2	7.9	32.5	7.1	92.9	2.4	2.9								
					Middle	5.6	1	19.1	7.9	32.5	7.1	93.1	3.6	3.4								
							2	19.1	7.9	32.5	7.1	93.2	3.7	3.1								
					Bottom	10.2	1	19.1	7.9	32.4	7.5	98.6	4.9	3.8								
							2	19.1	7.9	32.4	7.6	99.2	4.8	3.5								
TCE-WQM3A	Rainy	Calm	13:07	4.2	Surface	1.0	1	19.0	7.9	32.3	7.5	97.4	5.3	3.3	7.5	6.0	3.4					
							2	19.0	7.9	32.3	7.5	98.1	5.3	3.1								
					Bottom	3.2	1	18.9	7.9	32.2	7.6	99.4	6.8	3.8								
							2	18.9	7.9	31.4	7.8	101.3	6.7	3.5								
					Surface	1.0	1	18.8	7.9	32.3	7.1	92.1	4.0	4.6				7.1	4.5	4.1		
							2	18.8	7.9	32.3	7.1	92.3	4.1	4.4								
Bottom	4.0	1	18.7	7.9	32.2	7.8	101.3	5.0	3.9													
		2	18.8	7.9	32.1	7.8	101.6	5.1	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)			
2022-12-19	Mid-Ebb	TCE-C1	Sunny	Moderate	10:15	7.6	Surface	1.0	1	17.8	8.0	32.6	7.6	96.9	3.8	6.4	7.6	4.7	7.1			
									2	17.8	8.0	32.6	7.6	96.9	3.9	6.7						
							Middle	3.8	1	17.7	8.0	32.6	7.7	96.5	4.4	6.9						
									2	17.7	8.0	32.6	7.7	96.5	4.5	7.3						
				Bottom	6.6	1	17.7	8.1	32.6	7.6	96.1	5.6	7.8	7.6								
						2	17.7	8.1	32.6	7.6	96.0	6.0	7.6									
		TCE-C2	Sunny	Moderate	8:07	12.2	Surface	1.0	1	18.8	8.0	32.1	7.1				91.1	4.0	4.4	7.1	2.7	4.9
								2	18.8	8.0	32.1	7.1	91.1				3.9	4.5				
		Middle					6.1	1	18.8	8.0	32.1	7.1	90.8	2.2	4.7							
								2	18.8	8.0	32.1	7.1	90.8	2.2	4.9							
				Bottom	11.2	1	18.8	7.9	32.1	7.1	90.8	2.0	5.5	7.1								
						2	18.8	7.9	32.1	7.1	90.8	2.1	5.2									
	TCE-WQM1	Sunny	Calm	9:26	8.8	Surface	1.0	1	16.3	8.1	32.3	7.7	94.4				2.4	6.2	7.7	4.2	6.9	
							2	16.3	8.1	32.3	7.7	94.4	2.5				6.4					
	Middle					4.4	1	16.3	8.1	32.3	7.7	94.2	4.9	6.6								
							2	16.3	8.1	32.3	7.7	94.2	4.9	6.9								
			Bottom	7.8	1	16.3	8.1	32.3	7.7	93.8	5.1	7.3	7.7									
					2	16.3	8.1	32.3	7.7	93.8	5.1	7.7										
	TCE-WQM2a	Sunny	Moderate	8:53	6.6	Surface	1.0	1	18.3	8.1	32.4	7.3				92.5	3.5	3.5	7.3	5.8	4.4	
							2	18.3	8.1	32.4	7.3	92.5				3.5	3.9					
	Middle					3.3	1	18.2	8.0	32.4	7.3	92.3	6.4	4.2								
							2	18.2	8.0	32.4	7.3	92.3	6.4	4.6								
			Bottom	5.6	1	18.2	8.0	32.4	7.3	92.1	7.6	5.2	7.3									
					2	18.2	8.0	32.4	7.3	92.1	7.6	4.9										
TCE-WQM2b	Sunny	Moderate	8:36	9.9	Surface	1.0	1	18.5	8.0	32.3	7.2	92.2				2.5	4.1	7.2	2.6	3.8		
						2	18.5	8.0	32.3	7.2	92.2	2.5				4.5						
Middle					5.0	1	18.5	8.0	32.3	7.2	92.1	2.7	3.6									
						2	18.5	8.0	32.3	7.2	92.1	2.6	3.8									
		Bottom	8.9	1	18.5	8.0	32.2	7.2	92.0	2.6	3.1	7.2										
				2	18.5	8.0	32.2	7.2	92.0	2.6	3.4											
TCE-WQM3A	Sunny	Calm	9:03	4.2	Surface	1.0	1	17.2	8.0	31.6	7.4				92.0	3.8	6.0	7.4	4.3	5.4		
						2	17.2	8.0	31.6	7.4	92.0				3.8	5.7						
Middle					3.2	1	17.9	8.0	32.3	7.3	92.3	4.8	4.8									
						2	17.9	8.0	32.3	7.3	92.4	4.8	5.2									
		Bottom	3.2	1	17.9	8.0	32.3	7.3	92.3	4.8	4.8	7.3										
				2	17.9	8.0	32.3	7.3	92.4	4.8	5.2											
TCE-WQM4	Sunny	Calm	9:13	3.9	Surface	1.0	1	17.6	8.1	32.4	7.4				92.6	3.4	4.7	7.4	6.0	5.0		
						2	17.6	8.1	32.4	7.4	92.6				3.4	4.4						
Middle					2.9	1	17.6	8.1	32.4	7.4	92.6	8.6	5.2									
						2	17.6	8.1	32.4	7.4	92.6	8.5	5.5									
		Bottom	2.9	1	17.6	8.1	32.4	7.4	92.6	8.6	5.2	7.4										
				2	17.6	8.1	32.4	7.4	92.6	8.5	5.5											
2022-12-19	Mid-Flood	TCE-C1	Fine	Rough	13:48	8.1	Surface	1.0	1	17.8	8.1				32.6	7.6	97.6	4.4	6.0	7.6	4.6	6.9
								2	17.8	8.1	32.6				7.6	97.6	4.4	6.4				
Middle							4.1	1	17.8	8.1	32.6	7.6	97.3	4.5	7.0							
								2	17.8	8.1	32.6	7.6	97.3	4.5	6.8							
			Bottom	7.1	1	17.8	8.1	32.6	7.6	96.9	4.8	7.9	7.6									
					2	17.8	8.1	32.6	7.6	97.0	4.8	7.4										
TCE-C2		Fine	Moderate	16:04	13.8	Surface	1.0	1	18.9	8.2	32.4	7.1				92.5	3.2	7.6	7.1	3.2	6.6	
							2	18.9	8.2	32.4	7.1	92.5				3.3	7.3					
Middle						6.9	1	18.9	8.2	32.4	7.1	92.2	3.1	6.2								
							2	18.9	8.2	32.4	7.1	92.2	3.0	6.5								
			Bottom	12.8	1	18.9	8.2	32.4	7.1	92.1	3.3	6.0	7.1									
					2	18.9	8.2	32.4	7.1	92.1	3.4	5.7										
TCE-WQM1		Fine	Moderate	14:42	9.3	Surface	1.0	1	17.2	8.0	32.2	7.8				97.9	3.5	4.4	7.7	5.1	5.3	
							2	17.2	8.0	32.2	7.8	97.9				3.6	4.6					
Middle						4.7	1	16.5	8.0	32.2	7.7	95.7	5.4	5.3								
							2	16.5	8.0	32.2	7.7	95.7	5.4	5.5								
			Bottom	8.3	1	16.5	8.0	32.2	7.7	95.9	6.3	6.2	7.7									
					2	16.5	8.0	32.2	7.7	96.0	6.4	5.9										
TCE-WQM2a		Fine	Moderate	15:22	7.2	Surface	1.0	1	18.7	8.1	32.4	7.3				94.6	1.8	3.7	7.3	2.9	4.4	
							2	18.7	8.1	32.4	7.3	94.6				1.8	4.0					
Middle						3.6	1	18.5	8.1	32.4	7.3	94.0	2.6	4.6								
							2	18.5	8.1	32.4	7.3	94.0	2.6	4.4								
			Bottom	6.2	1	18.4	8.1	32.4	7.2	93.7	4.5	5.0	7.2									
					2	18.4	8.1	32.4	7.2	93.7	4.4	4.8										
TCE-WQM2b	Fine	Moderate	15:34	10.5	Surface	1.0	1	18.8	8.1	32.4	7.1	92.4				3.0	7.2	7.1	3.2	6.3		
						2	18.8	8.1	32.4	7.1	92.4	3.1				6.8						
Middle					5.3	1	18.8	8.1	32.4	7.1	92.4	3.3	6.4									
						2	18.8	8.1	32.4	7.1	92.5	3.3	6.1									
		Bottom	9.5	1	18.8	8.1	32.4	7.1	92.8	3.1	5.5	7.1										
				2	18.8	8.1	32.4	7.1	92.9	3.1	5.9											
TCE-WQM3A	Fine	Calm	15:10	4.8	Surface	1.0	1	18.6	8.1	32.2	7.5				96.5	2.6	6.1	7.5	3.7	6.5		
						2	18.6	8.1	32.2	7.5	96.5				2.6	5.7						
Middle					3.8	1	18.2	8.1	32.4	7.4	95.1	4.9	7.2									
						2	18.2	8.1	32.4	7.4	95.1	4.9	6.8									
		Bottom	3.8	1	18.2	8.1	32.4	7.4	95.1	4.9	6.8	7.4										
				2	18.2	8.1	32.4	7.4	95.1	4.9	6.8											
TCE-WQM4	Fine	Calm	14:58	4.3	Surface	1.0	1	18.8	8.1	32.4	7.3				94.3	4.2	9.5	7.3	4.8	9.0		
						2	18.8	8.1	32.4	7.3	94.3				4.3	9.9						
Middle					3.3	1	18.7	8.1	32.4	7.3	94.3	5.3	8.5									
						2	18.7	8.1	32.4	7.3	94.3	5.3	8.0									
		Bottom	3.3	1	18.7	8.1	32.4	7.3	94.3	5.3	8.0	7.3										
				2	18.7	8.1	32.4	7.3	94.3	5.3	8.0											

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)	
2022-12-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:39	8.8	Surface	1.0	1	17.6	8.3	32.6	7.4	94.2	17.1	4.3	7.4	15.5	5.1	
									2	17.6	8.3	32.6	7.4	94.2	17.2	4.5				
							Middle	4.4	1	17.6	8.3	32.6	7.4	93.8	14.1	5.0				
							Bottom	7.8	1	17.6	8.3	32.6	7.4	93.8	14.3	5.2				
				2	17.6	8.3	32.6	7.4	94.0	15.0	5.7									
				2	17.6	8.3	32.6	7.4	94.0	15.2	6.0									
		TCE-C2	Cloudy	Moderate	9:52	13.4	Surface	1.0	1	18.6	8.0	32.1	6.9	89.5	2.7	3.9	6.9	3.0	4.2	
									2	18.6	8.0	32.1	6.9	89.5	2.6	3.6				
							Middle	6.7	1	18.6	7.9	32.0	6.9	89.5	3.0	4.3				
							Bottom	12.4	1	18.6	7.9	32.0	6.9	89.5	3.1	4.0				
				2	18.6	7.9	32.0	6.9	89.5	3.4	4.4									
				2	18.6	7.9	32.0	6.9	89.5	3.2	4.7									
		TCE-WQM1	Cloudy	Moderate	11:03	7.8	Surface	1.0	1	17.4	8.3	32.5	7.6	96.8	5.0	4.2	7.7	5.2	4.8	
									2	17.4	8.3	32.5	7.6	96.9	5.0	4.5				
							Middle	3.9	1	17.4	8.3	32.5	7.7	97.4	5.0	4.7				
							Bottom	6.8	1	17.4	8.3	32.5	7.7	97.5	5.0	4.9				
				2	17.4	8.3	32.5	7.7	98.2	5.7	5.1									
				2	17.4	8.3	32.5	7.8	98.4	5.8	5.5									
		TCE-WQM2a	Cloudy	Moderate	10:32	6.8	Surface	1.0	1	18.1	8.1	32.5	7.3	93.7	2.8	3.2	7.3	4.2	4.0	
									2	18.1	8.1	32.5	7.3	93.7	2.8	3.5				
							Middle	3.4	1	18.0	8.2	32.5	7.3	93.1	4.1	3.7				
							Bottom	5.8	1	18.0	8.2	32.5	7.3	93.1	4.2	4.0				
				2	17.9	8.2	32.5	7.2	92.8	5.5	4.4									
				2	17.9	8.2	32.5	7.2	92.8	5.6	4.9									
	TCE-WQM2b	Cloudy	Moderate	10:20	11.7	Surface	1.0	1	18.2	8.1	32.5	7.3	93.5	4.1	4.4	7.3	4.3	5.1		
								2	18.2	8.1	32.5	7.3	93.5	4.1	4.8					
						Middle	5.9	1	18.1	8.1	32.5	7.3	93.2	4.5	5.3					
						Bottom	10.7	1	18.1	8.1	32.5	7.3	93.2	4.5	5.0					
			2	18.0	8.1	32.5	7.2	92.9	4.4	5.4										
			2	18.0	8.1	32.5	7.2	92.9	4.4	5.6										
	TCE-WQM3A	Cloudy	Moderate	10:42	4.6	Surface	1.0	1	18.2	8.2	32.4	7.2	92.7	4.3	4.3	7.2	4.6	4.5		
								2	18.2	8.2	32.4	7.2	92.7	4.4	3.8					
						Bottom	3.6	1	18.2	8.2	32.4	7.2	92.6	4.8	4.8					
								2	18.2	8.2	32.4	7.2	92.6	4.8	5.1					
	TCE-WQM4	Cloudy	Moderate	10:52	3.7	Surface	1.0	1	17.9	8.3	32.3	7.6	97.6	4.1	4.3	7.6	4.6	4.4		
								2	17.9	8.3	32.3	7.6	97.6	4.3	3.9					
						Bottom	2.7	1	17.8	8.3	32.3	7.6	97.6	4.9	4.8					
								2	17.8	8.3	32.3	7.6	97.7	5.1	4.6					
	2022-12-21	Mid-Flood	TCE-C1	Cloudy	Moderate	15:02	8.3	Surface	1.0	1	17.6	8.3	32.6	7.4	94.4	13.3	9.9	7.4	14.5	16.8
										2	17.6	8.3	32.6	7.4	94.4	13.2	10.4			
								Middle	4.2	1	17.6	8.3	32.6	7.4	94.1	11.2	18.8			
								Bottom	7.3	1	17.6	8.3	32.6	7.4	94.1	11.7	19.0			
					2	17.6	8.3	32.6	7.4	94.1	18.8	21.2								
					2	17.6	8.3	32.6	7.4	94.1	18.9	21.4								
			TCE-C2	Cloudy	Moderate	16:42	14.0	Surface	1.0	1	18.7	8.2	32.5	7.1	92.7	2.3	3.5	7.1	2.8	4.2
										2	18.7	8.2	32.5	7.1	92.6	2.3	3.3			
								Middle	7.0	1	18.6	8.2	32.5	7.1	92.4	2.9	3.8			
								Bottom	13.0	1	18.5	8.2	32.5	7.1	92.5	2.9	4.2			
				2	18.5	8.3	32.5	7.2	92.8	3.3	5.3									
				2	18.5	8.2	32.5	7.2	93.0	3.3	4.9									
TCE-WQM1			Cloudy	Moderate	15:36	8.2	Surface	1.0	1	17.5	8.4	32.5	7.5	95.8	5.6	6.8	7.5	7.6	11.7	
									2	17.5	8.4	32.5	7.5	95.8	5.5	6.6				
							Middle	4.1	1	17.5	8.4	32.5	7.5	95.3	7.3	8.8				
							Bottom	7.2	1	17.5	8.4	32.5	7.5	95.3	7.5	8.6				
				2	17.5	8.4	32.5	7.5	94.8	10.3	19.9									
				2	17.5	8.4	32.5	7.5	94.7	9.5	19.4									
TCE-WQM2a			Cloudy	Moderate	16:07	7.0	Surface	1.0	1	18.3	8.3	32.5	7.4	94.9	3.7	3.8	7.3	5.6	4.2	
									2	18.3	8.3	32.5	7.4	94.9	3.7	3.6				
							Middle	3.5	1	18.2	8.3	32.5	7.3	94.4	4.8	4.1				
							Bottom	6.0	1	18.2	8.3	32.5	7.3	94.3	5.3	4.4				
				2	18.1	8.3	32.5	7.3	94.0	8.1	4.5									
				2	18.1	8.3	32.5	7.3	94.1	8.0	4.7									
TCE-WQM2b		Cloudy	Moderate	16:19	11.5	Surface	1.0	1	18.2	8.2	32.5	7.4	95.7	3.1	3.6	7.4	3.6	3.2		
								2	18.2	8.2	32.5	7.4	95.6	3.1	4.0					
						Middle	5.8	1	18.0	8.2	32.5	7.4	95.0	3.6	3.4					
						Bottom	10.5	1	18.0	8.2	32.5	7.4	95.0	3.8	3.1					
			2	18.0	8.2	32.5	7.5	95.7	4.1	2.8										
			2	17.9	8.2	32.6	7.5	95.6	4.0	2.5										
TCE-WQM3A		Cloudy	Moderate	15:57	4.4	Surface	1.0	1	18.3	8.3	32.4	7.3	94.3	4.0	6.8	7.3	4.8	6.1		
								2	18.3	8.3	32.4	7.3	94.4	4.2	6.3					
						Bottom	3.4	1	18.3	8.3	32.4	7.4	95.0	5.5	5.8					
								2	18.3	8.3	32.4	7.4	95.2	5.7	5.5					
TCE-WQM4		Cloudy	Moderate	15:47	3.4	Surface	1.0	1	17.8	8.3	32.4	7.6	96.9	7.3	5.4	7.6	8.1	6.0		
								2	17.8	8.3	32.4	7.6	96.8	7.7	5.7					
						Bottom	2.4	1	17.7	8.3	32.4	7.5	95.8	8.4	6.3					
								2	17.6	8.3	32.4	7.5	95.6	9.1	6.7					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-12-23	Mid-Ebb	TCE-C1	Sunny	Moderate	11:22	7.9	Surface	1.0	1	17.1	8.3	31.7	7.7	96.8	5.1	4.4	7.7	6.5	5.4
									2	17.1	8.3	31.6	7.7	96.8	5.1	4.6			
							Middle	4.0	1	17.1	8.3	31.7	7.7	96.2	5.4	5.1			
							Bottom	6.9	1	17.1	8.3	32.1	7.5	94.2	8.8	6.4			
				2	17.1	8.3	32.1	7.5	94.2	8.8	6.1								
		TCE-C2	Sunny	Moderate	13:32	14.3	Surface	1.0	1	18.5	8.2	32.3	7.0	90.4	2.6	5.0	7.0	4.2	6.0
									2	18.5	8.2	32.3	7.0	90.5	2.6	4.5			
							Middle	7.2	1	18.2	8.2	32.3	7.0	89.4	3.9	5.9			
							Bottom	13.3	1	18.2	8.2	32.3	7.0	89.4	3.9	6.2			
				2	18.2	8.2	32.2	7.1	90.6	6.1	7.0								
				2	18.2	8.2	32.2	7.1	90.6	6.1	7.5								
		TCE-WQM1	Sunny	Moderate	12:19	8.2	Surface	1.0	1	17.3	8.3	32.3	7.5	94.8	8.0	5.2	7.5	8.5	5.9
								2	17.3	8.3	32.3	7.5	94.7	8.1	5.4				
	Middle						4.1	1	17.3	8.3	32.3	7.5	94.6	7.7	6.0				
	Bottom						7.2	1	17.3	8.3	32.2	7.5	94.6	7.8	5.8				
			2	17.3	8.3	32.2	7.5	94.6	9.9	6.2									
			2	17.3	8.3	32.2	7.5	94.6	9.8	6.7									
	TCE-WQM2a	Sunny	Moderate	12:56	7.1	Surface	1.0	1	18.2	8.2	32.4	7.4	95.5	4.2	4.6	7.4	5.3	5.7	
								2	18.2	8.2	32.4	7.4	95.5	4.2	5.0				
						Middle	3.6	1	17.9	8.2	32.3	7.4	95.2	4.7	5.5				
						Bottom	6.1	1	17.6	8.2	32.3	7.4	94.6	4.8	5.8				
			2	17.6	8.2	32.3	7.4	94.6	7.0	6.5									
			2	17.6	8.2	32.3	7.4	94.6	7.0	6.8									
	TCE-WQM2b	Sunny	Moderate	13:08	11.7	Surface	1.0	1	18.1	8.2	32.4	7.3	94.0	4.6	5.1	7.3	5.9	5.8	
							2	18.1	8.2	32.4	7.3	94.1	4.6	5.3					
Middle						5.9	1	17.8	8.2	32.4	7.3	92.9	6.0	5.7					
Bottom						10.7	1	17.7	8.2	32.3	7.3	92.9	6.0	6.0					
		2	17.7	8.2	32.3	7.3	92.7	7.1	6.2										
		2	17.7	8.2	32.3	7.3	92.7	7.1	6.6										
TCE-WQM3A	Sunny	Moderate	12:43	5.2	Surface	1.0	1	18.0	8.2	32.3	7.5	95.5	3.8	6.3	7.5	4.6	5.5		
							2	18.0	8.2	32.3	7.5	95.5	3.9	6.0					
					Bottom	4.2	1	17.8	8.2	32.2	7.4	94.9	5.3	4.7					
		2	17.8	8.2	32.2	7.4	94.9	5.4	4.8										
TCE-WQM4	Sunny	Moderate	12:30	4.4	Surface	1.0	1	18.1	8.2	32.3	7.6	97.5	3.6	4.7	7.6	4.4	4.9		
							2	18.1	8.2	32.3	7.6	97.5	3.6	4.3					
					Bottom	3.4	1	17.7	8.2	32.2	7.6	96.2	5.2	5.4					
							2	17.7	8.2	32.2	7.6	96.2	5.2	5.2					
2022-12-23	Mid-Flood	TCE-C1	Fine	Moderate	8:47	7.2	Surface	1.0	1	17.0	8.3	31.5	7.8	97.2	7.8	4.3	7.7	9.9	5.0
									2	17.0	8.3	31.5	7.8	97.2	7.8	4.5			
							Middle	3.6	1	17.1	8.3	31.9	7.6	95.9	9.6	5.0			
							Bottom	6.2	1	17.1	8.3	32.0	7.6	95.6	12.4	5.8			
				2	17.1	8.3	32.0	7.6	95.7	12.4	5.4								
		TCE-C2	Fine	Moderate	6:56	12.7	Surface	1.0	1	18.2	8.2	32.2	6.9	89.3	6.4	7.4	6.9	7.0	6.3
									2	18.2	8.2	32.2	6.9	89.3	6.4	7.7			
							Middle	6.4	1	18.2	8.0	32.2	7.0	89.3	6.3	6.1			
							Bottom	11.7	1	18.2	8.0	32.1	7.0	89.3	6.4	6.4			
				2	18.2	7.9	32.0	7.0	89.5	8.2	5.3								
				2	18.2	7.9	32.0	7.0	89.5	8.3	4.9								
		TCE-WQM1	Fine	Calm	8:05	8.8	Surface	1.0	1	17.2	8.2	32.3	7.5	94.5	5.4	4.8	7.5	5.2	5.6
								2	17.2	8.2	32.3	7.5	94.5	5.4	4.5				
	Middle						4.4	1	17.2	8.2	32.2	7.5	94.2	5.0	5.4				
	Bottom						7.8	1	17.2	8.2	32.2	7.5	94.3	5.1	5.6				
			2	17.2	8.2	32.2	7.5	94.2	5.2	6.8									
			2	17.2	8.2	32.2	7.5	94.2	5.3	6.4									
	TCE-WQM2a	Fine	Calm	7:31	6.9	Surface	1.0	1	17.6	8.2	32.4	7.4	93.8	6.8	4.5	7.4	8.3	5.4	
								2	17.6	8.2	32.4	7.4	93.8	6.8	4.2				
						Middle	3.5	1	17.6	8.2	32.3	7.3	93.4	9.5	5.4				
						Bottom	5.9	1	17.6	8.2	32.3	7.3	93.4	9.5	5.8				
			2	17.4	8.2	32.3	7.4	93.4	8.8	6.3									
			2	17.4	8.2	32.3	7.4	93.4	8.7	6.2									
	TCE-WQM2b	Fine	Moderate	7:18	10.3	Surface	1.0	1	17.6	8.2	32.3	7.3	93.2	6.0	6.4	7.3	7.6	5.7	
							2	17.6	8.2	32.3	7.3	93.2	6.0	6.8					
Middle						5.2	1	17.7	8.2	32.2	7.3	92.8	7.6	5.4					
Bottom						9.3	1	17.7	8.2	32.2	7.3	92.8	7.6	5.9					
		2	17.7	8.2	32.2	7.3	92.8	7.6	5.9										
		2	17.7	8.2	32.1	7.3	92.9	9.3	4.7										
		2	17.6	8.2	32.1	7.3	93.0	9.3	5.0										
TCE-WQM3A	Fine	Calm	7:42	4.8	Surface	1.0	1	17.8	8.2	32.2	7.3	93.8	3.8	5.6	7.3	4.6	7.1		
							2	17.8	8.2	32.2	7.3	93.8	3.9	5.2					
					Bottom	3.8	1	17.8	8.3	32.2	7.3	93.3	5.4	9.0					
		2	17.8	8.3	32.2	7.3	93.4	5.3	8.6										
TCE-WQM4	Fine	Calm	7:53	3.9	Surface	1.0	1	17.7	8.3	32.2	7.5	95.4	4.3	7.1	7.5	4.9	7.3		
							2	17.7	8.3	32.2	7.5	95.4	4.3	6.8					
					Bottom	2.9	1	17.6	8.3	32.2	7.4	93.9	5.6	7.5					
							2	17.6	8.3	32.2	7.4	93.9	5.6	7.8					

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)			
2022-12-28	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:39	8.0	Surface	1.0	1	17.3	8.1	31.9	7.5	94.5	10.6	7.0	7.5	11.3	6.3			
									2	17.3	8.1	31.9	7.5	94.5	10.8	6.8						
							Middle	4.0	1	17.2	8.1	31.9	7.5	94.3	10.0	6.4						
									2	17.2	8.1	31.9	7.5	94.3	10.0	6.0						
				Bottom	7.0	1	17.2	8.1	31.9	7.5	94.4	13.2	5.8	7.5								
						2	17.2	8.1	31.9	7.5	94.4	13.1	5.5									
		TCE-C2	Cloudy	Moderate	17:24	14.1	Surface	1.0	1	17.6	8.3	32.3	7.1				90.0	4.4	4.6	7.1	5.7	4.9
								2	17.6	8.3	32.3	7.1	90.0				4.5	4.4				
		Middle					7.1	1	17.6	8.3	32.3	7.1	90.3	5.7	4.9							
								2	17.6	8.3	32.3	7.1	90.3	6.0	4.8							
				Bottom	13.1	1	17.6	8.3	32.3	7.2	91.7	6.9	5.1	7.2								
						2	17.6	8.3	32.2	7.2	91.8	6.8	5.4									
	TCE-WQM1	Cloudy	Moderate	16:13	8.0	Surface	1.0	1	17.5	8.0	32.0	7.5	95.6				5.8	5.2	7.5	6.1	6.3	
							2	17.5	8.0	32.0	7.5	95.6	5.8				5.4					
	Middle					4.0	1	17.4	7.9	32.0	7.5	95.1	6.0	6.2								
							2	17.4	7.9	32.0	7.5	95.1	6.1	6.6								
			Bottom	7.0	1	17.3	7.9	32.1	7.5	95.1	6.5	6.9	7.5									
					2	17.3	7.9	32.1	7.5	95.2	6.6	7.3										
	TCE-WQM2a	Cloudy	Moderate	16:46	6.4	Surface	1.0	1	17.9	8.3	31.9	7.5				95.5	4.9	5.4	7.5	7.9	5.1	
							2	17.9	8.3	31.9	7.5	95.5				4.9	6.0					
	Middle					3.2	1	17.3	8.3	31.9	7.5	93.9	8.3	5.2								
							2	17.3	8.3	31.9	7.5	93.9	8.5	4.9								
			Bottom	5.4	1	17.2	8.3	31.9	7.5	94.2	10.5	4.4	7.5									
					2	17.2	8.3	31.9	7.5	94.2	10.5	4.7										
TCE-WQM2b	Cloudy	Moderate	16:58	12.8	Surface	1.0	1	17.3	8.3	31.9	7.4	93.7				9.0	8.4	7.4	11.6	7.7		
						2	17.3	8.3	31.9	7.4	93.7	9.4				8.1						
Middle					6.4	1	17.2	8.3	31.9	7.4	93.7	11.5	7.6									
						2	17.2	8.3	31.9	7.4	93.7	12.0	7.9									
		Bottom	11.8	1	17.2	8.3	31.9	7.5	94.2	13.5	6.9	7.5										
				2	17.3	8.3	31.9	7.5	94.4	14.0	7.2											
TCE-WQM3A	Cloudy	Moderate	16:36	4.3	Surface	1.0	1	17.5	8.3	32.0	7.6				96.1	5.0	4.3	7.6	5.3	4.7		
						2	17.4	8.3	32.0	7.6	96.0				5.2	4.5						
Middle					3.3	1	17.4	8.3	32.0	7.6	95.7	5.6	5.2									
						2	17.5	8.3	31.9	7.6	95.7	5.2	4.8									
		Bottom	3.3	1	17.4	8.3	32.0	7.6	95.7	5.6	5.2	7.6										
				2	17.5	8.3	31.9	7.6	95.7	5.2	4.8											
TCE-WQM4	Cloudy	Moderate	16:24	3.7	Surface	1.0	1	17.4	8.3	32.0	7.5				94.9	6.1	5.2	7.5	7.3	4.8		
						2	17.4	8.3	32.0	7.5	94.9				6.1	5.0						
Middle					2.7	1	17.2	8.3	32.0	7.6	95.4	8.3	4.7									
						2	17.2	8.3	32.0	7.6	95.6	8.6	4.4									
		Bottom	2.7	1	17.2	8.3	32.0	7.6	95.4	8.3	4.7	7.6										
				2	17.2	8.3	32.0	7.6	95.6	8.6	4.4											
2022-12-28	Mid-Flood	TCE-C1	Cloudy	Moderate	12:42	7.8	Surface	1.0	1	17.3	8.0				31.9	7.5	94.9	8.9	8.0	7.5	10.6	7.4
									2	17.3	8.0				31.9	7.5	94.8	8.8	7.8			
							Middle	3.9	1	17.3	7.9	31.9	7.5	94.6	10.3	7.2						
									2	17.3	7.9	31.9	7.5	94.7	10.6	7.6						
				Bottom	6.8	1	17.2	7.9	31.9	7.6	95.3	12.5	6.7	7.6								
						2	17.2	7.9	31.9	7.6	95.3	12.5	7.0									
		TCE-C2	Cloudy	Moderate	10:50	13.8	Surface	1.0	1	17.2	8.2	31.6	7.4				92.5	8.9	6.8	7.4	10.0	7.8
								2	17.2	8.2	31.6	7.5	92.5				9.0	7.0				
		Middle					6.9	1	17.2	8.2	31.5	7.4	92.3	9.7	8.1							
								2	17.2	8.2	31.5	7.4	92.3	9.7	7.8							
				Bottom	12.8	1	17.2	8.1	31.5	7.4	92.2	11.6	8.7	7.4								
						2	17.2	8.1	31.5	7.4	92.2	11.4	8.4									
		TCE-WQM1	Cloudy	Moderate	11:56	7.7	Surface	1.0	1	17.3	8.4	32.1	7.5				95.2	5.8	8.1	7.5	6.5	7.5
								2	17.3	8.4	32.1	7.5	95.2				6.0	8.0				
		Middle					3.9	1	17.3	8.4	32.1	7.5	95.1	6.3	7.6							
								2	17.3	8.4	32.1	7.5	95.1	6.4	7.3							
				Bottom	6.7	1	17.2	8.4	32.1	7.6	95.3	7.1	6.8	7.6								
						2	17.2	8.4	32.1	7.6	95.3	7.1	7.1									
		TCE-WQM2a	Cloudy	Moderate	11:25	6.3	Surface	1.0	1	17.2	8.4	31.9	7.5				93.2	9.5	9.6	7.4	10.3	7.7
								2	17.2	8.4	31.9	7.5	93.2				9.5	10.0				
		Middle					3.2	1	17.2	8.4	31.9	7.4	92.9	10.7	7.7							
								2	17.2	8.4	31.9	7.4	92.9	10.7	7.4							
				Bottom	5.3	1	17.1	8.4	31.9	7.4	92.6	10.9	5.6	7.4								
						2	17.1	8.4	31.9	7.4	92.6	10.7	6.1									
	TCE-WQM2b	Cloudy	Moderate	11:14	10.5	Surface	1.0	1	17.1	8.4	31.8	7.5	93.1				8.7	10.3	7.5	10.0	9.9	
							2	17.1	8.4	31.8	7.5	93.1	8.3				10.7					
	Middle					5.3	1	17.1	8.4	31.8	7.5	93.1	10.5	10.1								
							2	17.1	8.4	31.8	7.4	93.1	10.5	9.8								
			Bottom	9.5	1	17.1	8.4	31.8	7.6	93.6	11.2	9.2	7.6									
					2	17.1	8.4	31.8	7.6	93.8	11.1	9.5										
	TCE-WQM3A	Cloudy	Moderate	11:35	4.7	Surface	1.0	1	17.4	8.4	32.1	7.5				94.5	8.7	8.7	7.5	9.1	8.9	
							2	17.4	8.4	32.1	7.5	94.5				8.7	8.5					
	Middle					3.7	1	17.2	8.4	32.1	7.6	94.2	9.2	9.3								
							2	17.2	8.4	32.1	7.6	94.3	9.8	9.1								
			Bottom	3.7	1	17.2	8.4	32.1	7.6	94.2	9.2	9.3	7.6									
					2	17.2	8.4	32.1	7.6	94.3	9.8	9.1										
	TCE-WQM4	Cloudy	Moderate	11:45	3.4	Surface	1.0	1	17.3	8.4	32.1	7.5				94.4	8.9	8.4	7.5	9.2	7.8	
							2	17.3	8.4	32.1	7.5	94.4				9.0	7.9					
	Middle					2.4	1	17.2	8.4	32.1	7.6	94.8	10.0	7.5								
							2	17.2	8.4	32.0	7.6	95.0	10.0	7.3								

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)
2022-12-30	Mid-Ebb	TCE-C1	Fine	Rough	18:14	7.8	Surface	1.0	1	16.9	8.1	31.8	7.6	93.4	5.6	11.8	7.6	7.1	9.0
									2	16.9	8.1	31.8	7.6	93.4	5.6	12.1			
							Middle	3.9	1	16.9	8.1	31.8	7.6	93.3	6.8	7.9			
							Bottom	6.8	1	16.9	8.1	31.8	7.6	93.3	6.8	8.2			
				2	16.9	8.1	31.8	7.6	93.2	8.8	7.1								
				2	16.9	8.1	31.8	7.6	93.2	8.8	6.7								
		TCE-C2	Fine	Rough	20:17	13.2	Surface	1.0	1	17.5	8.1	32.3	6.9	87.2	3.4	6.0	6.9	4.7	5.3
									2	17.5	8.1	32.3	6.9	87.2	3.4	5.8			
							Middle	6.6	1	17.5	8.1	32.3	6.9	86.9	5.1	5.4			
							Bottom	12.2	1	17.5	8.1	32.3	6.9	86.9	5.1	5.2			
				2	17.5	8.1	32.3	6.9	87.2	5.7	4.5								
				2	17.5	8.1	32.3	6.9	87.2	5.7	4.8								
	TCE-WQM1	Fine	Moderate	18:57	9.2	Surface	1.0	1	17.1	8.1	31.9	7.8	96.6	5.0	5.7	7.8	5.1	6.7	
								2	17.1	8.1	31.9	7.8	96.6	5.0	6.0				
						Middle	4.6	1	17.0	8.1	31.9	7.7	95.6	5.0	6.9				
						Bottom	8.2	1	16.9	8.2	31.9	7.7	95.3	5.2	7.5				
			2	16.9	8.2	31.9	7.7	95.4	5.2	7.8									
	TCE-WQM2a	Fine	Moderate	19:35	7.1	Surface	1.0	1	17.1	8.1	31.8	7.6	93.7	3.3	5.6	7.6	5.1	5.0	
								2	17.1	8.1	31.8	7.6	93.7	3.3	5.8				
						Middle	3.6	1	17.0	8.1	31.9	7.5	92.9	4.5	4.8				
						Bottom	6.1	1	17.1	8.1	31.9	7.5	92.9	4.5	5.2				
			2	17.1	8.1	32.0	7.4	92.4	7.4	4.2									
			2	17.1	8.1	32.0	7.4	92.4	7.4	4.5									
	TCE-WQM2b	Fine	Rough	19:49	9.9	Surface	1.0	1	17.4	8.1	32.2	7.1	89.1	2.4	7.2	7.1	5.8	6.1	
							2	17.4	8.1	32.2	7.1	89.1	2.5	6.8					
Middle						5.0	1	17.3	8.1	32.2	7.1	88.7	5.4	5.8					
Bottom						8.9	1	17.3	8.1	32.2	7.1	88.7	5.4	6.2					
		2	17.3	8.1	32.2	7.1	88.9	9.7	5.4										
		2	17.3	8.1	32.2	7.1	89.0	9.7	5.1										
TCE-WQM3A	Fine	Moderate	19:25	4.2	Surface	1.0	1	17.2	8.1	31.9	7.7	95.1	5.8	5.8	7.7	8.2	5.2		
							2	17.2	8.1	31.9	7.7	95.1	5.8	5.3					
					Bottom	3.2	1	16.9	8.2	31.9	7.6	94.1	10.5	4.6					
		2	16.9	8.2	31.9	7.6	94.1	10.6	5.0										
TCE-WQM4	Fine	Moderate	19:11	3.9	Surface	1.0	1	17.0	8.1	31.9	7.6	93.7	7.7	4.1	7.6	8.5	4.9		
							2	17.0	8.1	31.9	7.6	93.7	7.7	4.3					
					Bottom	2.9	1	17.0	8.2	31.9	7.6	93.6	9.4	5.4					
		2	17.0	8.2	31.9	7.6	93.6	9.4	5.8										
2022-12-30	Mid-Flood	TCE-C1	Sunny	Rough	14:13	7.2	Surface	1.0	1	16.7	8.2	32.0	7.7	94.0	5.3	8.0	7.6	6.9	7.3
									2	16.7	8.2	32.0	7.7	94.0	5.3	8.5			
							Middle	3.6	1	16.7	8.2	32.0	7.6	93.4	6.2	7.2			
							Bottom	6.2	1	16.7	8.2	32.0	7.6	93.4	6.3	7.6			
				2	16.7	8.2	32.0	7.6	93.3	9.3	6.4								
				2	16.7	8.2	32.0	7.6	93.3	9.3	6.0								
		TCE-C2	Sunny	Rough	12:02	11.6	Surface	1.0	1	17.1	8.1	31.8	7.3	90.5	3.7	4.6	7.4	3.9	4.0
									2	17.1	8.0	31.8	7.3	90.5	3.7	4.6			
							Middle	5.8	1	17.1	8.0	31.8	7.4	90.6	3.9	4.1			
							Bottom	10.6	1	17.1	8.0	31.8	7.4	90.6	3.9	3.8			
				2	17.0	7.9	31.7	7.3	90.4	4.2	3.5								
				2	17.0	7.9	31.7	7.3	90.4	4.2	3.3								
	TCE-WQM1	Sunny	Moderate	13:23	8.9	Surface	1.0	1	17.0	8.1	31.9	7.7	95.4	5.1	5.9	7.7	5.7	6.4	
								2	17.0	8.1	31.9	7.7	95.4	5.1	5.5				
						Middle	4.5	1	16.8	8.1	31.9	7.7	94.7	5.0	6.3				
						Bottom	7.9	1	16.8	8.1	31.9	7.7	94.8	7.0	7.0				
			2	16.8	8.1	31.9	7.7	94.8	7.1	7.2									
	TCE-WQM2a	Sunny	Moderate	12:42	6.4	Surface	1.0	1	17.0	8.0	32.0	7.5	93.3	3.6	8.0	7.5	5.6	7.6	
								2	17.0	8.0	32.0	7.5	93.3	3.6	8.6				
						Middle	3.2	1	17.1	8.0	32.0	7.4	91.6	5.0	7.6				
						Bottom	5.4	1	17.1	8.0	32.0	7.4	91.6	5.0	7.8				
			2	17.1	8.0	32.0	7.4	91.4	8.3	7.0									
			2	17.1	8.0	32.0	7.4	91.4	8.4	6.6									
	TCE-WQM2b	Sunny	Rough	12:28	8.8	Surface	1.0	1	16.9	8.0	31.8	7.6	93.0	4.7	3.4	7.5	5.1	4.2	
							2	16.9	8.0	31.8	7.6	92.9	4.8	3.8					
Middle						4.4	1	16.9	8.0	31.8	7.5	92.6	5.2	4.4					
Bottom						7.8	1	16.9	8.0	31.8	7.5	92.6	5.2	4.1					
		2	16.9	8.0	31.8	7.5	92.5	5.4	4.5										
		2	16.9	8.0	31.8	7.5	92.5	5.4	4.9										
TCE-WQM3A	Sunny	Moderate	12:54	3.9	Surface	1.0	1	17.0	8.0	31.9	7.6	93.4	3.6	9.1	7.6	4.0	8.5		
							2	17.0	8.0	31.9	7.6	93.4	3.6	8.7					
					Bottom	2.9	1	17.1	8.0	32.0	7.5	92.1	4.3	8.2					
		2	17.1	8.0	32.0	7.5	92.1	4.4	7.8										
TCE-WQM4	Sunny	Moderate	13:09	3.4	Surface	1.0	1	16.9	8.1	31.9	7.7	94.1	5.2	13.6	7.7	5.5	13.1		
							2	16.9	8.1	31.9	7.7	94.1	5.2	13.9					
					Bottom	2.4	1	16.9	8.1	31.9	7.6	93.4	5.7	12.4					
		2	16.9	8.1	31.9	7.6	93.5	5.8	12.6										