

Annex G3

## Monitoring Results for Water Quality

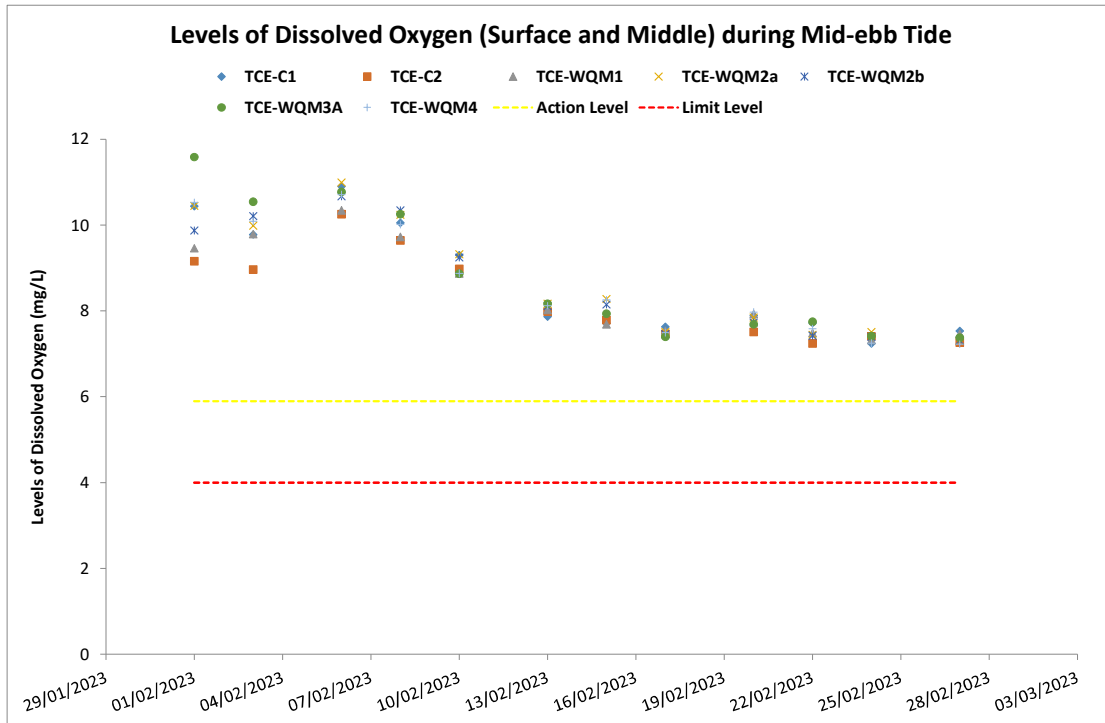


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 28 February 2023

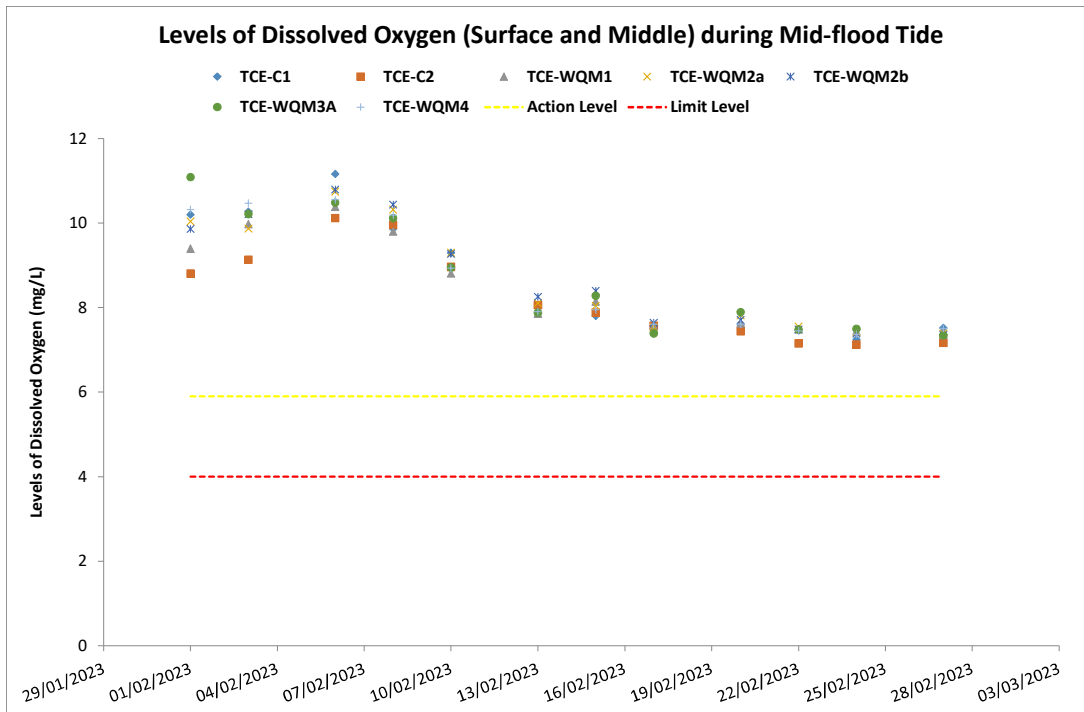


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 28 February 2023

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

**Environmental  
 Resources  
 Management**



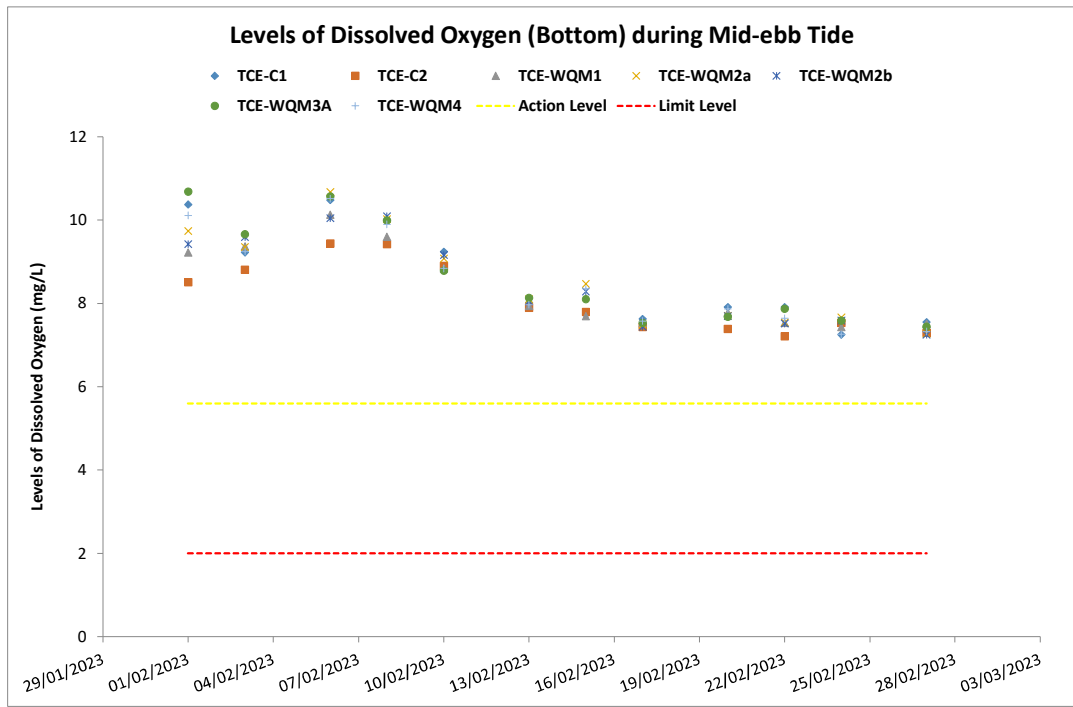


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 28 February 2023

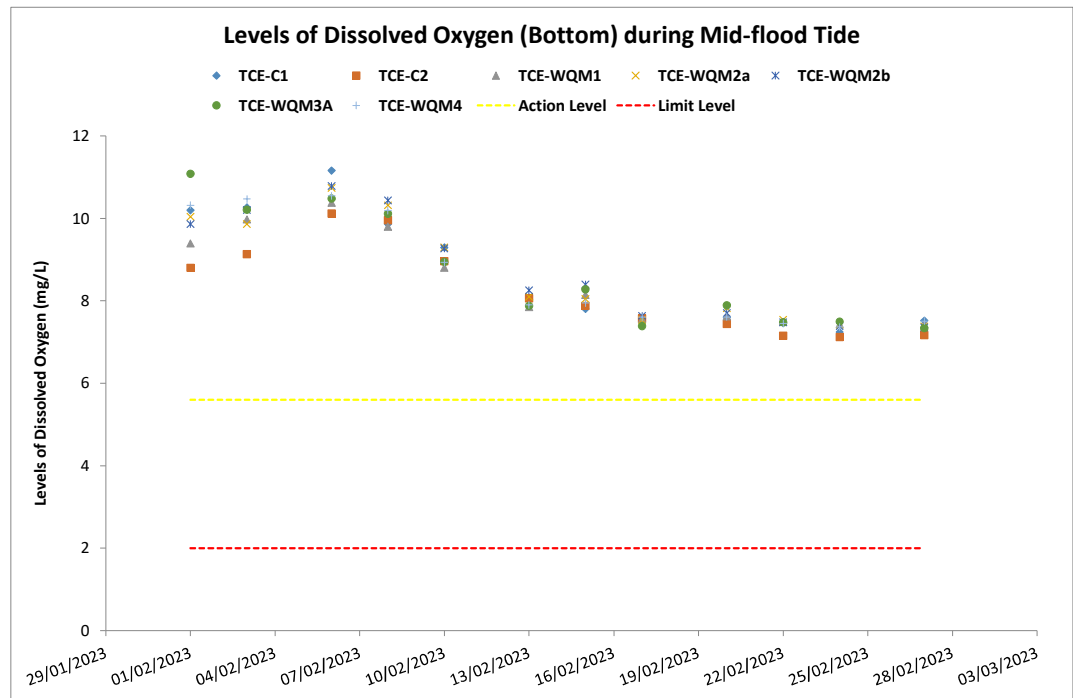


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 28 February 2023

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

**Environmental  
 Resources  
 Management**



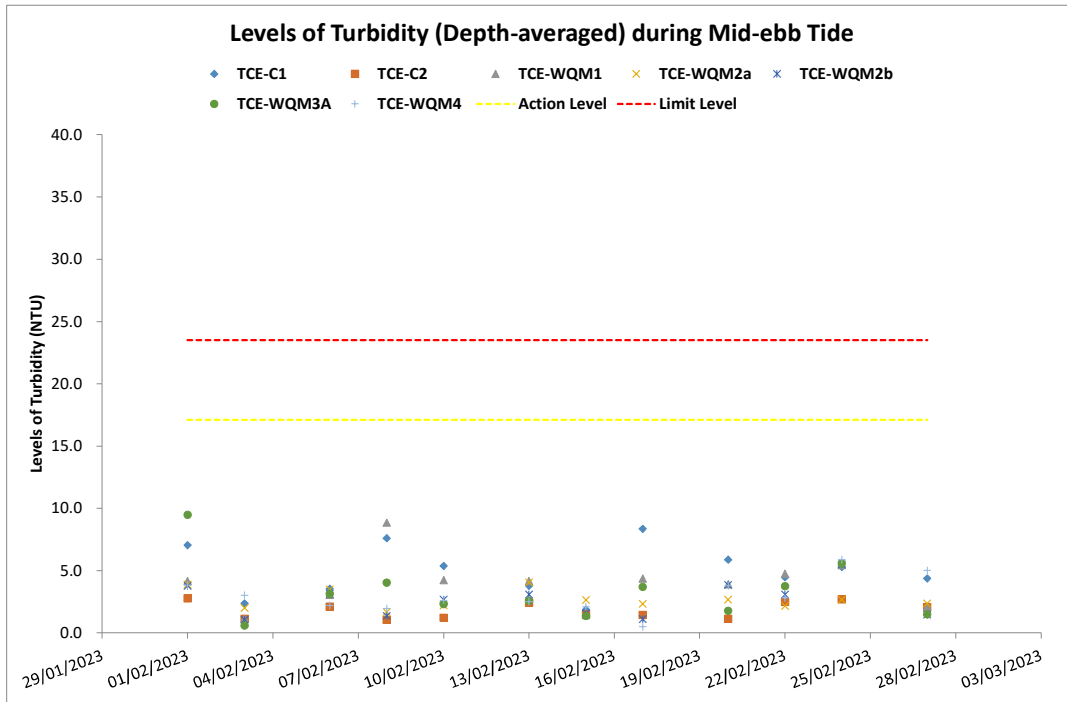


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 28 February 2023

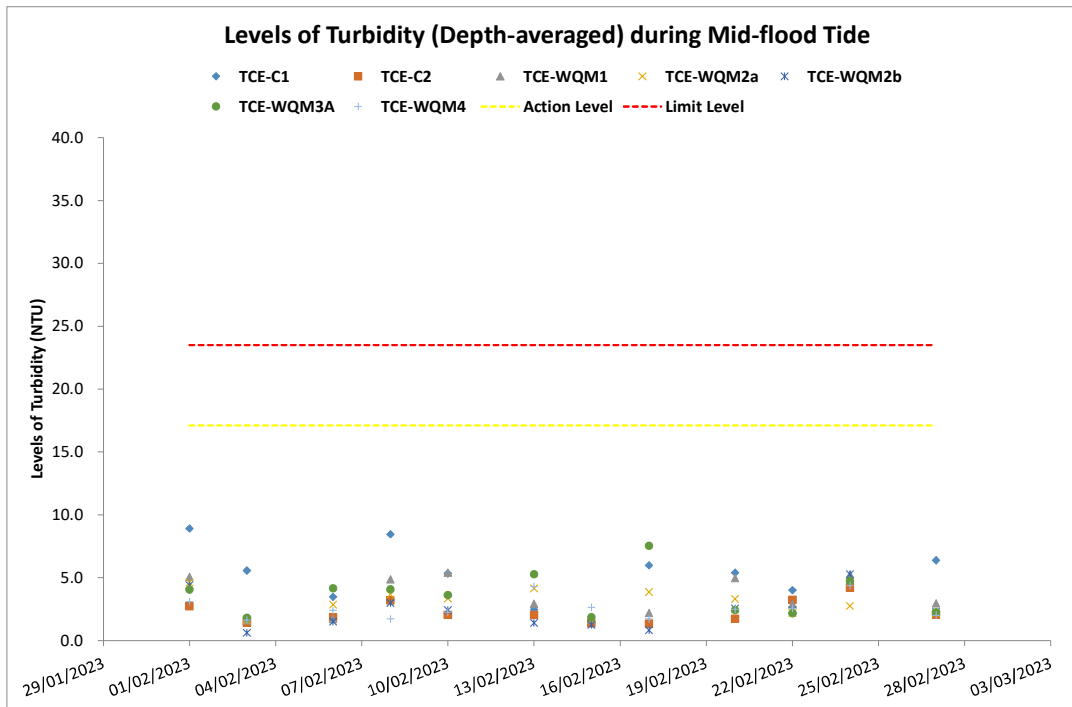


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 28 February 2023

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

Date: February 2023

**Environmental  
Resources  
Management**



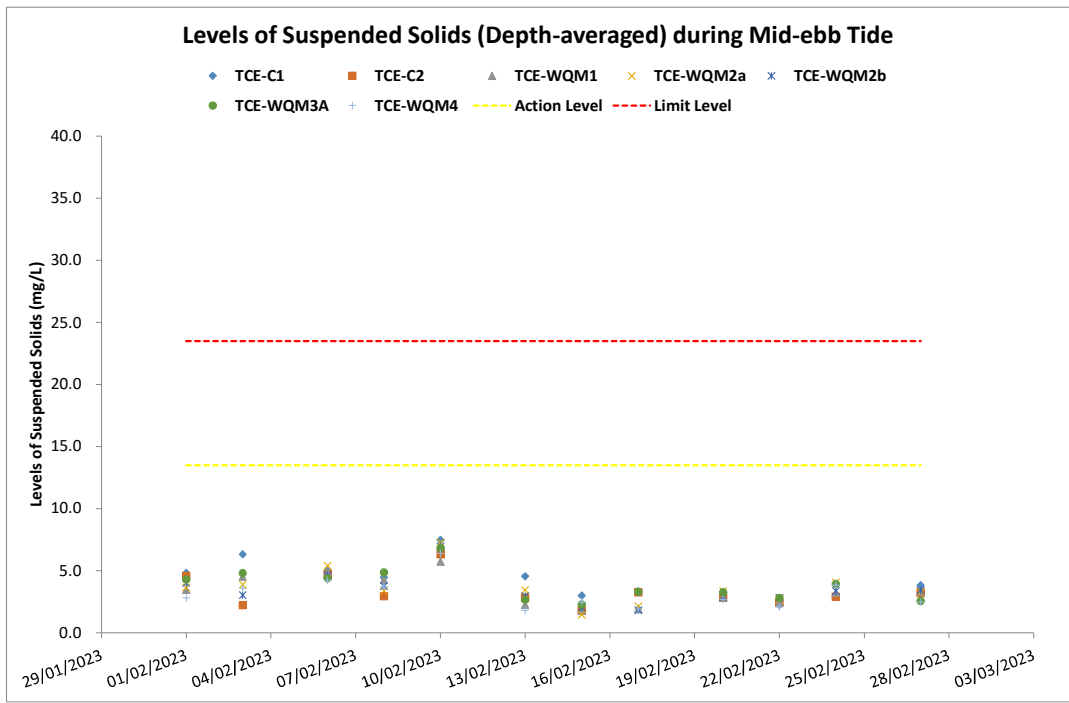


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 28 February 2023

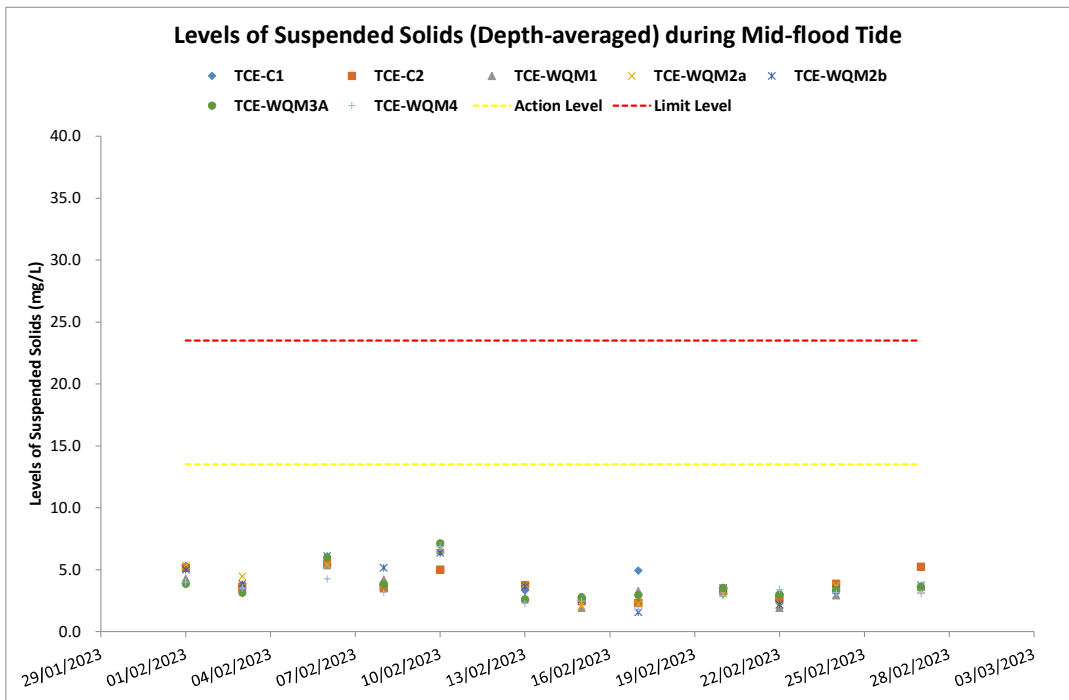


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 28 February 2023

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

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Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged											
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)									
2023-02-01	Mid-Ebb	TCE-C1	Fine	Moderate	21:40	8.2	Surface	1.0	1	16.0	8.0	32.4	10.5	129.1	4.9	4.4	10.4	7.0	4.8									
									2	15.9	8.0	32.4	10.5	129.0	4.9	4.1												
							Middle	4.1	1	15.9	8.0	32.4	10.4	128.4	6.7	4.9												
									2	15.9	8.0	32.4	10.4	128.3	6.7	4.6												
							Bottom	7.2	1	15.9	7.9	32.4	10.4	127.8	9.1	5.7												
									2	15.9	7.9	32.4	10.4	127.8	9.9	5.3												
		TCE-C2	Fine	Moderate	23:22	13.8	Surface	1.0	1	16.6	7.9	32.2	9.8	121.9	2.7	3.7	9.2	2.8	4.6									
									2	16.6	7.9	32.2	9.7	121.2	2.7	3.4												
							Middle	6.9	1	16.3	7.8	32.2	8.6	106.3	2.8	4.5												
									2	16.3	7.8	32.2	8.6	106.2	2.8	4.1												
							Bottom	12.8	1	16.3	7.8	32.2	8.5	105.4	2.8	6.0												
									2	16.3	7.8	32.2	8.5	105.4	2.8	5.7												
		TCE-WQM1	Fine	Moderate	22:16	7.7	Surface	1.0	1	16.0	7.9	32.1	9.6	117.8	4.1	4.4	9.5	4.2	3.5									
									2	16.0	7.9	32.1	9.6	117.6	4.1	4.0												
							Middle	3.9	1	15.9	7.9	32.1	9.4	115.1	4.2	3.3												
									2	15.9	7.9	32.1	9.4	114.8	4.2	3.7												
							Bottom	6.7	1	15.9	7.9	32.1	9.2	113.4	4.2	2.9												
									2	15.9	7.9	32.1	9.2	113.3	4.2	2.5												
		TCE-WQM2a	Fine	Moderate	22:46	7.2	Surface	1.0	1	16.5	7.9	32.1	10.6	132.1	3.3	2.4	10.5	3.9	3.6									
									2	16.5	7.9	32.1	10.6	132.1	3.3	2.7												
							Middle	3.6	1	16.3	7.8	32.2	10.3	127.6	3.3	3.3												
									2	16.3	7.8	32.2	10.3	127.0	3.3	3.8												
							Bottom	6.2	1	16.2	7.8	32.2	9.8	120.7	5.1	4.6												
									2	16.2	7.8	32.2	9.7	120.4	5.0	5.0												
	TCE-WQM2b	Fine	Moderate	22:57	11.7	Surface	1.0	1	16.3	7.9	32.2	10.3	127.0	3.5	3.4	9.9	3.8	4.0										
								2	16.3	7.9	32.2	10.2	126.7	3.6	3.1													
						Middle	5.9	1	16.1	7.8	32.2	9.5	117.4	4.1	3.8													
								2	16.1	7.8	32.2	9.5	117.4	4.1	4.1													
						Bottom	10.7	1	16.1	7.8	32.2	9.4	116.4	3.7	5.0													
								2	16.1	7.8	32.2	9.4	116.3	3.7	4.6													
	TCE-WQM3A	Fine	Moderate	22:36	4.9	Surface	1.0	1	16.3	8.1	32.0	11.6	143.8	6.4	3.7	11.6	9.5	4.3										
								2	16.3	8.1	32.0	11.6	143.1	6.6	4.1													
						Bottom	3.9	1	16.3	8.0	32.0	10.7	132.8	12.7	4.8													
								2	16.3	8.0	32.0	10.6	131.6	12.3	4.5													
						TCE-WQM4	Fine	Moderate	22:26	3.7	Surface	1.0	1	16.3	7.9				32.0	10.5	130.5	3.5	3.0	10.5	3.8	2.8		
													2	16.3	7.9				32.0	10.5	130.5	3.5	3.4					
	Bottom	2.7	1	16.1	7.8						32.0	10.1	124.8	4.1	2.2													
			2	16.1	7.8						32.0	10.1	124.5	4.2	2.6													
	2023-02-01	Mid-Flood	TCE-C1	Fine	Moderate						12:21	8.0	Surface	1.0	1	16.0	7.9	32.4	10.3	126.5	5.1	5.9	10.2				8.9	5.3
															2	16.0	7.9	32.4	10.2	126.2	5.3	6.2						
						Middle	4.0	1	15.9	7.9			32.4	10.2	125.1	9.7	5.6											
								2	15.9	7.9			32.4	10.2	125.0	9.7	5.3											
						Bottom	7.0	1	15.9	7.9			32.4	10.1	123.8	11.7	4.7											
								2	15.9	7.9			32.4	10.1	123.8	11.9	4.2											
			TCE-C2	Fine	Moderate	10:26	14.7	Surface	1.0	1	16.4	7.9	32.0	9.0	111.9	2.4	4.2	8.8	2.7	5.2								
										2	16.4	7.9	32.0	9.0	111.8	2.4	4.6											
								Middle	7.4	1	16.3	7.8	32.0	8.6	106.3	2.8	5.0											
										2	16.3	7.8	32.0	8.6	106.2	2.9	5.3											
Bottom								13.7	1	16.2	7.8	32.0	8.4	104.2	3.0	5.8												
									2	16.2	7.8	32.0	8.4	104.2	3.0	6.1												
TCE-WQM1			Fine	Moderate	11:33	8.2	Surface	1.0	1	15.9	7.9	32.1	9.5	116.5	4.2	5.2	9.4	5.1	4.3									
									2	15.9	7.9	32.1	9.5	116.4	4.2	4.8												
							Middle	4.1	1	15.8	7.9	32.1	9.3	114.3	4.7	4.2												
									2	15.8	7.9	32.1	9.3	114.2	4.8	4.5												
							Bottom	7.2	1	15.8	7.8	32.1	9.1	112.1	6.3	3.3												
									2	15.8	7.8	32.1	9.1	111.9	6.3	3.6												
TCE-WQM2a			Fine	Moderate	11:02	6.2	Surface	1.0	1	16.3	8.0	32.1	10.1	125.2	3.6	4.2	10.0	4.6	5.4									
									2	16.3	8.0	32.1	10.1	125.2	3.6	4.6												
							Middle	3.1	1	16.1	8.0	32.2	10.0	123.4	4.7	5.0												
									2	16.1	8.0	32.2	10.0	122.9	4.8	5.5												
							Bottom	5.2	1	16.1	8.0	32.2	9.5	117.7	5.5	6.6												
									2	16.1	8.0	32.2	9.5	117.5	5.5	6.2												
TCE-WQM2b		Fine	Moderate	10:51	10.7	Surface	1.0	1	16.1	8.0	32.1	10.0	123.3	3.6	6.0	9.9	4.4	5.0										
								2	16.1	8.0	32.1	10.0	123.1	3.9	5.6													
						Middle	5.4	1	16.0	8.0	32.1	9.8	120.2	4.2	5.1													
								2	16.0	8.0	32.1	9.7	120.0	4.1	4.8													
						Bottom	9.7	1	16.0	8.0	32.2	9.5	117.0	5.3	4.5													
								2	16.0	8.0	32.2	9.5	116.9	5.5	4.0													
TCE-WQM3A		Fine	Moderate	11:11	4.6	Surface	1.0	1	16.3	8.0	32.0	11.1	137.4	4.1	3.4	11.1	4.1	3.9										
								2	16.3	8.0	32.0	11.1	137.2	4.1	3.2													
						Bottom	3.6	1	16.2	8.0	32.0	10.9	135.1	4.0	4.3													
								2	16.2	8.0	32.0	10.9	134.7	4.0	4.6													
						TCE-WQM4	Fine	Moderate	11:21	3.6	Surface	1.0	1	16.1	8.1				32.0	10.3	127.4	3.0	4.8	10.3	3.1	4.0		
													2	16.1	8.1				32.0	10.3	127.3	3.0	4.4					
Bottom		2.6	1	15.9	8.0						32.0	9.8	120.2	3.2	3.6													
			2	15.9	8.0						32.0	9.8	119.9	3.2	3.2													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged							
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)					
2023-02-03	Mid-Ebb	TCE-C1	Fine	Moderate	12:29	8.0	Surface	1.0	1	16.4	8.0	31.9	10.2	124.5	1.1	5.5	9.8	2.4	6.3					
									2	16.4	8.0	31.9	10.1	123.4	1.2	5.8								
							Middle	4.0	1	16.4	8.0	31.9	9.5	116.3	2.9	6.1								
									2	16.4	8.0	31.9	9.4	115.8	2.8	6.5								
							Bottom	7.0	1	16.4	8.0	31.8	9.3	113.4	3.1	7.1								
									2	16.4	8.0	31.7	9.2	112.7	3.2	6.9								
		TCE-C2	Fine	Moderate	10:54	12.4	Surface	1.0	1	16.5	8.0	31.9	9.0	110.7	1.0	1.7	9.0	1.1	2.2					
									2	16.5	8.0	31.9	9.0	110.7	1.0	1.9								
							Middle	6.2	1	16.5	8.0	31.9	8.9	109.6	1.2	2.1								
									2	16.5	8.0	31.9	8.9	109.5	1.2	2.4								
							Bottom	11.4	1	16.5	8.0	31.8	8.8	108.2	1.2	2.7								
									2	16.5	8.0	31.8	8.8	108.1	1.2	2.5								
	TCE-WQM1	Fine	Moderate	11:59	7.4	Surface	1.0	1	16.8	8.1	32.1	9.9	122.1	1.0	5.6	9.8	1.1	4.5						
								2	16.8	8.1	32.1	9.9	122.1	1.1	5.1									
						Middle	3.7	1	16.8	8.0	32.1	9.7	120.1	1.1	4.5									
								2	16.8	8.0	32.1	9.7	120.1	1.2	4.7									
						Bottom	6.4	1	16.9	8.0	32.1	9.4	116.1	1.2	3.8									
								2	16.9	8.0	32.1	9.4	116.1	1.2	3.4									
	TCE-WQM2a	Fine	Moderate	11:29	7.2	Surface	1.0	1	16.6	8.0	32.0	10.1	124.4	1.6	3.0	10.0	2.0	3.9						
								2	16.6	8.0	32.0	10.1	124.4	1.6	3.3									
						Middle	3.6	1	16.5	8.0	32.1	9.9	121.6	2.0	3.7									
								2	16.5	8.0	32.1	9.9	121.4	2.0	4.0									
						Bottom	6.2	1	16.3	8.0	32.3	9.4	115.0	2.4	4.8									
								2	16.2	8.0	32.3	9.3	114.1	2.5	4.4									
TCE-WQM2b	Fine	Moderate	11:18	11.6	Surface	1.0	1	16.6	8.0	32.1	10.3	127.4	1.0	2.2	10.2	1.1	3.0							
							2	16.6	8.0	32.1	10.3	127.3	1.0	2.5										
					Middle	5.8	1	16.6	8.0	32.1	10.1	124.1	1.1	3.0										
							2	16.6	8.0	32.1	10.1	124.6	1.1	3.2										
					Bottom	10.6	1	16.6	8.0	32.1	9.6	118.4	1.1	3.5										
							2	16.6	8.0	32.1	9.6	118.1	1.2	3.7										
TCE-WQM3A	Fine	Calm	11:39	5.2	Surface	1.0	1	16.5	8.1	32.3	10.5	129.8	0.4	6.6	10.5	0.6	4.8							
							2	16.4	8.1	32.3	10.6	129.7	0.5	6.2										
					Bottom	4.2	1	16.2	8.0	32.5	9.7	118.9	0.7	3.4										
							2	16.2	8.0	32.5	9.6	117.8	0.8	3.0										
					Surface	1.0	1	16.4	8.0	32.4	10.2	124.8	2.5	2.9				10.1	3.0	3.6				
							2	16.4	8.0	32.4	10.0	123.4	2.6	3.1										
TCE-WQM4	Fine	Calm	11:48	5.2	Surface	1.0	1	16.4	8.0	32.4	10.2	124.8	2.5	2.9	10.1	3.0	3.6							
							2	16.4	8.0	32.4	10.0	123.4	2.6	3.1										
					Bottom	4.2	1	16.2	8.0	32.5	9.4	114.8	3.6	4.3	9.2	3.0	3.6							
							2	16.1	8.0	32.5	9.1	111.6	3.5	4.0										
					2023-02-03	Mid-Flood	TCE-C1	Fine	Moderate	15:14	8.0	Surface	1.0	1	16.4	7.9	31.9	10.3	126.5	5.0	2.6	10.3	5.6	3.8
														2	16.4	7.9	31.9	10.3	126.3	5.0	3.0			
Middle	4.0	1	16.4	7.9								31.9	10.2	125.6	5.7	4.1								
		2	16.4	7.9								31.9	10.2	125.5	5.7	3.8								
Bottom	7.0	1	16.5	7.9								31.8	10.1	125.1	6.0	4.4								
		2	16.5	7.9								31.8	10.1	125.1	6.0	4.7								
TCE-C2	Fine	Moderate	16:36	14.0			Surface	1.0	1	16.6	7.9	32.2	9.6	119.5	1.1	4.4	9.1	1.4	3.6					
									2	16.5	7.9	32.2	9.4	117.6	1.1	4.0								
							Middle	7.0	1	16.5	7.8	32.1	8.8	108.8	1.4	3.5								
									2	16.5	7.8	32.1	8.7	108.7	1.5	3.8								
							Bottom	13.0	1	16.8	7.8	31.9	8.7	108.2	1.8	2.9								
									2	16.9	7.8	31.8	8.6	108.2	1.7	3.2								
TCE-WQM1	Fine	Moderate	15:33	9.4			Surface	1.0	1	16.9	8.0	32.1	10.0	124.5	1.1	4.4	10.0	1.6	3.5					
									2	16.9	8.0	32.1	10.0	124.2	1.0	4.0								
							Middle	4.7	1	16.9	7.9	32.0	10.0	123.4	1.3	3.7								
									2	16.9	7.9	32.0	9.9	123.1	1.3	3.3								
							Bottom	8.4	1	16.9	7.9	32.0	9.9	122.2	2.4	2.6								
									2	16.9	7.9	32.0	9.7	121.6	2.4	3.0								
TCE-WQM2a	Fine	Moderate	16:03	6.4			Surface	1.0	1	16.6	8.1	32.2	10.2	127.4	1.0	5.6	9.9	1.6	4.5					
									2	16.6	8.1	32.2	10.2	127.4	1.0	5.2								
							Middle	3.2	1	16.3	8.1	32.3	9.6	117.5	1.3	4.6								
									2	16.3	8.1	32.3	9.4	116.7	1.3	4.2								
							Bottom	5.4	1	16.2	8.1	32.4	9.2	113.8	2.4	3.8								
									2	16.2	8.1	32.5	9.1	112.4	2.5	3.3								
TCE-WQM2b	Fine	Moderate	16:13	12.8		Surface	1.0	1	16.8	8.0	32.1	10.6	132.9	0.4	3.4	10.2	0.6	3.8						
								2	16.8	8.0	32.1	10.6	132.6	0.4	3.1									
						Middle	6.4	1	16.4	8.0	32.3	9.8	121.9	0.5	3.7									
								2	16.4	8.0	32.3	9.8	121.4	0.4	4.0									
						Bottom	11.8	1	16.1	8.0	32.5	9.5	117.5	1.0	4.3									
								2	16.1	8.0	32.6	9.4	115.9	1.1	4.5									
TCE-WQM3A	Fine	Calm	15:54	4.4		Surface	1.0	1	16.9	7.9	32.2	10.3	128.8	1.6	3.3	10.2	1.8	3.1						
								2	16.9	7.9	32.2	10.1	127.0	1.6	3.7									
						Bottom	3.4	1	16.9	7.9	32.1	9.2	115.3	2.0	2.6									
								2	16.9	7.9	32.1	9.0	112.7	2.0	2.9									
						Surface	1.0	1	16.5	8.1	32.4	10.5	130.2	1.2	4.1				10.5	1.6	3.5			
								2	16.5	8.1	32.5	10.4	127.3	1.2	3.7									
TCE-WQM4	Fine	Calm	15:45	4.0		Surface	1.0	1	16.5	8.1	32.4	10.5	130.2	1.2	4.1	10.5	1.6	3.5						
								2	16.5	8.1	32.5	10.4	127.3	1.2	3.7									
						Bottom	3.0	1	16.3	8.1	32.5	9.6	118.1	2.0	3.3									
								2	16.2	8.1	32.6	9.6	117.6	2.1	3.0									

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
2023-02-06	Mid-Ebb	TCE-C1	Fine	Moderate	11:58	7.2	Surface	1.0	1	16.8	8.1	31.3	11.0	136.9	3.0	4.1	10.9	3.5	5.0							
									2	16.8	8.1	31.3	11.0	136.8	3.0	4.4										
							Middle	3.6	1	16.8	8.1	31.4	10.8	134.7	3.2	4.8										
									2	16.8	8.1	31.4	10.8	134.6	3.3	5.2										
							Bottom	6.2	1	16.7	8.1	31.5	10.5	130.4	4.3	5.9										
									2	16.7	8.1	31.5	10.5	130.4	4.3	5.6										
		TCE-C2	Sunny	Moderate	14:06	12.9	Surface	1.0	1	17.0	8.0	31.5	10.9	135.9	1.6	4.4	10.3	2.1	4.7							
									2	17.0	8.0	31.5	10.9	135.9	1.6	4.0										
							Middle	6.5	1	16.7	8.0	31.9	9.7	120.5	2.2	4.6										
									2	16.7	8.0	31.9	9.7	120.5	2.3	4.8										
							Bottom	11.9	1	16.7	8.0	31.9	9.4	117.7	2.4	5.0										
									2	16.7	8.0	31.9	9.4	117.7	2.5	5.4										
	TCE-WQM1	Sunny	Calm	12:43	9.4	Surface	1.0	1	16.9	8.1	31.6	10.4	130.3	2.8	6.0	10.3	3.1	4.9								
								2	16.9	8.1	31.6	10.4	130.3	2.8	5.7											
						Middle	4.7	1	16.9	8.1	31.6	10.3	128.5	3.1	5.0											
								2	16.9	8.1	31.6	10.3	128.4	3.2	4.6											
						Bottom	8.4	1	16.9	8.1	31.6	10.1	126.8	3.2	3.8											
								2	16.9	8.1	31.6	10.1	126.6	3.3	4.2											
	TCE-WQM2a	Sunny	Calm	13:23	6.9	Surface	1.0	1	17.0	8.1	31.3	11.1	138.3	1.0	4.4	11.0	3.5	5.4								
								2	17.0	8.1	31.3	11.1	138.3	1.0	4.8											
						Middle	3.5	1	16.9	8.1	31.4	10.9	136.4	3.8	5.6											
								2	16.9	8.1	31.4	10.9	136.3	3.8	5.2											
						Bottom	5.9	1	16.9	8.1	31.4	10.7	133.2	5.7	6.3											
								2	16.9	8.1	31.4	10.7	133.2	5.6	6.0											
TCE-WQM2b	Sunny	Moderate	13:39	10.4	Surface	1.0	1	17.0	8.1	31.4	11.0	137.3	1.3	5.6	10.7	3.1	4.6									
							2	17.0	8.1	31.4	11.0	137.2	1.3	5.3												
					Middle	5.2	1	16.8	8.0	31.6	10.4	129.3	3.8	4.4												
							2	16.8	8.0	31.6	10.4	129.3	3.8	4.8												
					Bottom	9.4	1	16.8	8.0	31.6	10.1	125.2	4.2	3.6												
							2	16.8	8.0	31.6	10.1	125.2	4.2	4.0												
TCE-WQM3A	Sunny	Calm	13:10	4.5	Surface	1.0	1	17.2	8.1	31.6	10.8	135.3	2.2	5.0	10.8	3.1	4.4									
							2	17.2	8.1	31.6	10.8	135.3	2.3	4.6												
					Bottom	3.5	1	16.9	8.1	31.6	10.6	132.1	4.0	3.9												
							2	16.9	8.1	31.6	10.6	132.2	4.1	4.0												
					TCE-WQM4	Sunny	Calm	12:55	3.9	Surface	1.0	1	17.1	8.1				31.6	10.7	134.5	1.1	3.6	10.7	2.2	4.2	
											2	17.1	8.1	31.6				10.7	134.4	1.1	4.0					
Bottom	2.9	1	16.9	8.1	31.6					10.5	131.5	3.3	4.5													
		2	16.9	8.1	31.6					10.5	131.4	3.4	4.8													
TCE-C1	2023-02-06	Mid-Flood	Fine	Rough	9:34					7.9	Surface	1.0	1	16.9	8.1	30.8	11.2	139.4	2.5	6.7	11.2	3.5				5.4
												2	16.9	8.1	30.8	11.2	139.4	2.5	6.2							
Middle						4.0	1	16.8	8.1		31.2	11.1	138.2	3.3	5.4											
							2	16.8	8.1		31.2	11.1	138.2	3.3	5.0											
Bottom						6.9	1	16.7	8.1		31.4	10.7	132.8	4.7	4.3											
							2	16.7	8.1		31.4	10.7	132.8	4.6	4.6											
TCE-C2		Fine	Moderate	7:29	13.5	Surface	1.0	1	16.8	7.8	31.4	10.3	128.4	2.0	6.6	10.1	1.8	5.5								
								2	16.8	7.8	31.4	10.3	128.4	2.0	6.2											
						Middle	6.8	1	16.7	7.8	31.5	9.9	123.6	1.7	5.8											
								2	16.7	7.8	31.5	9.9	123.6	1.7	5.4											
						Bottom	12.5	1	16.7	7.8	31.5	9.8	121.4	1.9	4.7											
								2	16.7	7.8	31.5	9.8	121.4	1.9	4.2											
TCE-WQM1		Fine	Moderate	8:40	10.7	Surface	1.0	1	16.9	8.1	31.6	10.4	130.1	1.4	4.8	10.4	1.7	5.4								
								2	16.9	8.1	31.6	10.4	130.1	1.4	4.4											
						Middle	5.4	1	16.9	8.1	31.6	10.4	129.4	1.8	5.3											
								2	16.9	8.1	31.6	10.4	129.4	1.8	5.6											
						Bottom	9.7	1	16.9	8.1	31.6	10.2	127.8	1.9	5.9											
								2	16.9	8.1	31.6	10.2	127.7	2.0	6.2											
TCE-WQM2a		Fine	Calm	8:07	7.2	Surface	1.0	1	16.8	8.1	31.3	10.9	135.3	2.0	4.1	10.7	2.9	5.4								
								2	16.8	8.1	31.3	10.9	135.3	2.0	4.6											
						Middle	3.6	1	16.8	8.0	31.3	10.6	132.3	2.7	5.0											
								2	16.8	8.0	31.3	10.6	132.3	2.7	5.4											
						Bottom	6.2	1	16.8	8.0	31.4	10.5	130.9	3.8	6.5											
								2	16.8	8.0	31.4	10.5	130.9	3.8	6.8											
TCE-WQM2b	Fine	Moderate	7:54	10.5	Surface	1.0	1	16.8	8.0	31.3	10.8	134.7	1.4	6.8	10.8	1.5	6.1									
							2	16.8	8.0	31.3	10.8	134.7	1.3	6.6												
					Middle	5.3	1	16.8	8.0	31.3	10.8	134.0	1.4	6.3												
							2	16.8	8.0	31.3	10.8	133.9	1.5	6.0												
					Bottom	9.5	1	16.8	8.0	31.3	10.6	132.4	1.7	5.6												
							2	16.8	8.0	31.3	10.6	132.4	1.7	5.4												
TCE-WQM3A	Fine	Calm	8:17	5.1	Surface	1.0	1	16.8	8.1	31.5	10.5	130.7	3.4	6.6	10.5	4.1	6.0									
							2	16.8	8.1	31.5	10.5	130.7	3.4	6.2												
					Bottom	4.1	1	16.9	8.1	31.5	10.3	128.9	4.8	5.4												
							2	16.9	8.1	31.5	10.3	128.9	4.9	5.8												
					TCE-WQM4	Fine	Calm	8:28	4.6	Surface	1.0	1	16.9	8.1				31.5	10.6	131.7	1.8	3.2	10.6	2.4	4.3	
											2	16.9	8.1	31.5				10.6	131.6	1.9	3.4					
Bottom	3.6	1	16.8	8.1	31.5					10.5	130.5	2.9	5.4													
		2	16.8	8.1	31.5					10.5	130.4	2.9	5.0													



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)								
2023-02-08	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:00	8.2	Surface	1.0	1	17.0	8.0	31.0	10.2	126.9	4.0	4.4	10.1	7.6	4.5								
									2	17.0	8.0	31.0	10.1	126.5	4.0	4.5											
							Middle	4.1	1	16.8	8.0	31.5	10.0	124.2	9.5	4.1											
									2	16.8	8.0	31.5	10.0	124.2	9.2	4.6											
							Bottom	7.2	1	16.8	8.0	31.4	10.0	124.6	9.9	4.9											
									2	16.8	8.0	31.4	10.0	125.0	9.1	4.2											
		TCE-C2	Cloudy	Moderate	14:50	14.1	Surface	1.0	1	17.2	7.9	31.3	9.7	121.7	1.2	3.7	9.6	1.1	2.9								
									2	17.1	7.9	31.3	9.7	121.5	1.2	3.6											
							Middle	7.1	1	17.1	7.9	31.4	9.6	120.3	1.1	3.0											
									2	17.1	7.9	31.4	9.6	120.2	1.1	2.1											
							Bottom	13.1	1	17.1	7.9	31.4	9.4	118.2	1.0	2.6											
									2	17.1	7.9	31.4	9.4	118.0	0.9	2.6											
		TCE-WQM1	Cloudy	Moderate	13:43	7.8	Surface	1.0	1	17.6	7.9	30.8	9.8	123.5	4.3	3.6	9.7	8.9	4.3								
									2	17.6	7.9	30.8	9.8	123.3	4.6	3.7											
							Middle	3.9	1	17.6	7.9	30.8	9.7	122.2	9.5	3.6											
									2	17.6	7.9	30.8	9.7	122.1	9.1	4.4											
							Bottom	6.8	1	17.6	7.9	30.8	9.6	121.3	13.5	5.7											
									2	17.7	7.9	30.8	9.6	121.0	12.2	4.6											
		TCE-WQM2a	Cloudy	Moderate	14:14	7.7	Surface	1.0	1	17.4	8.0	30.3	10.3	129.4	1.8	3.6	10.2	1.7	3.4								
									2	17.4	8.0	30.3	10.3	129.4	1.8	3.8											
							Middle	3.9	1	17.4	7.9	30.3	10.2	127.2	1.8	3.6											
									2	17.4	7.9	30.3	10.2	127.1	1.9	2.6											
							Bottom	6.7	1	17.4	7.9	30.4	10.0	125.7	1.4	3.6											
									2	17.4	7.9	30.4	10.0	125.5	1.5	3.1											
	TCE-WQM2b	Cloudy	Moderate	14:25	11.0	Surface	1.0	1	17.4	8.0	30.3	10.5	131.1	1.1	4.1	10.3	1.4	3.8									
								2	17.4	8.0	30.3	10.5	131.0	1.1	3.1												
						Middle	5.5	1	17.3	7.9	30.6	10.2	128.2	1.6	3.8												
								2	17.3	7.9	30.7	10.2	128.0	1.6	3.2												
						Bottom	10.0	1	17.3	7.9	30.7	10.1	126.5	1.5	4.5												
								2	17.3	7.9	30.7	10.1	126.3	1.5	3.8												
	TCE-WQM3A	Cloudy	Moderate	14:04	5.0	Surface	1.0	1	17.4	8.0	30.4	10.3	128.7	2.2	6.0	10.3	4.0	4.9									
								2	17.4	8.0	30.4	10.3	128.5	2.2	5.2												
						Bottom	4.0	1	17.4	7.9	30.6	10.0	125.4	5.7	3.7												
								2	17.4	7.9	30.6	10.0	125.3	6.0	4.5												
						TCE-WQM4	Cloudy	Moderate	13:54	3.3	Surface	1.0	1	17.5	7.9				30.7	10.0	126.1	2.1	3.8	10.0	2.0	3.7	
												2	17.5	7.9	30.7				10.0	126.0	2.2	4.2					
	Bottom	2.3	1	17.5	7.9	30.7					9.9	124.8	1.8	3.2													
			2	17.5	7.9	30.7					9.9	124.2	1.8	3.7													
	2023-02-08	Mid-Flood	TCE-C1	Cloudy	Moderate	10:20					8.6	Surface	1.0	1	16.9	8.0	31.3	10.0	124.0	8.2	3.6	9.9	8.4				3.8
														2	16.9	8.0	31.3	9.9	123.8	8.5	3.7						
							Middle	4.3	1	16.8		8.0	31.4	9.8	122.2	7.8	4.1										
									2	16.8		7.9	31.5	9.8	122.0	7.6	4.5										
							Bottom	7.6	1	16.9		7.9	31.4	9.6	120.1	9.6	3.7										
									2	16.9		7.9	31.4	9.6	119.9	9.0	3.4										
			TCE-C2	Cloudy	Moderate	8:33	14.3	Surface	1.0	1	17.2	8.0	30.7	10.0	125.5	1.0	4.1	10.0	3.2	3.6							
										2	17.2	8.0	30.7	10.0	125.5	1.0	3.8										
								Middle	7.2	1	17.2	8.0	30.8	9.9	123.4	3.1	3.0										
										2	17.2	8.0	30.8	9.9	123.3	3.2	3.8										
Bottom								13.3	1	17.2	7.9	30.8	9.8	122.3	5.4	3.8											
									2	17.2	7.9	30.8	9.8	122.2	5.5	2.9											
TCE-WQM1			Cloudy	Moderate	9:41	8.2	Surface	1.0	1	17.6	8.0	30.8	9.8	123.8	3.4	6.1	9.8	4.9	4.2								
									2	17.6	8.0	30.8	9.8	123.7	3.5	5.1											
							Middle	4.1	1	17.6	7.9	30.8	9.8	123.3	4.7	3.1											
									2	17.6	7.9	30.8	9.8	123.2	4.9	2.8											
							Bottom	7.2	1	17.6	7.9	30.8	9.8	123.0	6.0	3.7											
									2	17.6	7.9	30.8	9.8	122.9	6.7	4.5											
TCE-WQM2a			Cloudy	Moderate	9:10	7.0	Surface	1.0	1	17.4	8.0	30.3	10.4	129.6	1.7	3.1	10.3	3.7	3.8								
									2	17.4	8.0	30.3	10.4	129.6	1.7	3.4											
							Middle	3.5	1	17.4	8.0	30.4	10.3	128.8	5.0	3.6											
									2	17.4	8.0	30.4	10.3	128.7	5.0	4.3											
							Bottom	6.0	1	17.4	7.9	30.4	10.2	128.3	4.4	4.3											
									2	17.4	8.0	30.4	10.2	128.3	4.3	3.8											
TCE-WQM2b		Cloudy	Moderate	8:58	10.7	Surface	1.0	1	17.3	8.0	30.3	10.5	130.7	2.2	5.0	10.4	3.0	5.2									
								2	17.3	8.0	30.3	10.5	130.7	2.4	4.0												
						Middle	5.4	1	17.3	8.0	30.4	10.4	130.2	2.4	4.8												
								2	17.3	8.0	30.4	10.4	130.2	2.6	4.4												
						Bottom	9.7	1	17.3	8.0	30.5	10.3	128.4	4.0	4.5												
								2	17.3	8.0	30.5	10.2	128.1	4.3	8.2												
TCE-WQM3A		Cloudy	Moderate	9:20	4.5	Surface	1.0	1	17.4	8.0	30.7	10.1	126.9	3.0	3.2	10.1	4.1	3.8									
								2	17.4	7.9	30.7	10.1	126.7	3.4	3.6												
						Bottom	3.5	1	17.4	7.9	30.7	10.0	125.6	4.8	4.1												
								2	17.4	7.9	30.7	10.0	125.6	5.1	4.4												
						TCE-WQM4	Cloudy	Moderate	9:30	3.6	Surface	1.0	1	17.4	8.0				30.6	10.2	127.9	1.6	3.4	10.2	1.7	3.2	
												2	17.4	8.0	30.6				10.2	127.8	1.7	3.4					
Bottom		2.6	1	17.4	8.0	30.6					10.0	125.3	1.8	2.6													
			2	17.4	7.9	30.7					10.0	125.2	1.7	3.3													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
2023-02-10	Mid-Ebb	TCE-C1	Sunny	Moderate	14:42	8.3	Surface	1.0	1	17.6	7.8	30.8	9.3	117.3	5.0	6.8	9.3	5.4	7.5							
									2	17.6	7.8	30.8	9.3	117.3	5.0	7.3										
							Middle	4.2	1	17.6	7.8	30.7	9.3	117.1	5.3	8.5										
									2	17.6	7.8	30.7	9.3	117.1	5.4	6.5										
							Bottom	7.3	1	17.6	7.8	30.7	9.2	116.5	5.7	7.6										
									2	17.6	7.8	30.7	9.2	116.4	5.7	8.2										
		TCE-C2	Sunny	Moderate	16:32	12.2	Surface	1.0	1	17.4	7.8	31.1	9.0	113.6	1.1	6.7	9.0	1.2	6.3							
									2	17.4	7.8	31.1	9.0	113.6	1.1	6.2										
							Middle	6.1	1	17.4	7.8	31.2	8.9	112.4	1.2	6.5										
									2	17.4	7.8	31.2	8.9	112.4	1.2	6.5										
							Bottom	11.2	1	17.4	7.8	31.2	8.9	111.9	1.3	5.6										
									2	17.4	7.8	31.2	8.9	111.9	1.3	6.4										
	TCE-WQM1	Sunny	Moderate	15:25	9.7	Surface	1.0	1	17.9	7.8	30.8	8.9	112.6	3.6	4.8	8.9	4.2	5.7								
								2	17.9	7.8	30.8	8.9	112.6	3.6	4.9											
						Middle	4.9	1	17.8	7.8	30.8	8.9	112.2	4.3	6.4											
								2	17.8	7.8	30.8	8.9	112.2	4.3	5.9											
						Bottom	8.7	1	17.8	7.8	30.9	8.8	111.9	4.8	6.0											
								2	17.8	7.8	30.9	8.8	111.9	4.8	6.4											
	TCE-WQM2a	Sunny	Calm	15:57	7.2	Surface	1.0	1	17.9	7.9	30.3	9.4	118.6	1.5	7.2	9.3	2.2	7.3								
								2	17.9	7.9	30.3	9.4	118.6	1.5	7.4											
						Middle	3.6	1	17.7	7.9	30.3	9.3	116.8	1.8	7.2											
								2	17.7	7.9	30.3	9.3	116.7	1.8	7.5											
						Bottom	6.2	1	17.7	7.8	30.4	9.1	114.4	3.3	6.9											
								2	17.7	7.8	30.4	9.1	114.3	3.4	7.5											
TCE-WQM2b	Sunny	Moderate	16:10	10.6	Surface	1.0	1	18.1	7.8	30.4	9.3	117.8	1.8	6.6	9.2	2.7	7.0									
							2	18.1	7.8	30.4	9.3	117.8	1.8	7.0												
					Middle	5.3	1	17.7	7.9	30.4	9.2	115.9	2.8	7.6												
							2	17.7	7.9	30.4	9.2	115.9	2.8	7.1												
					Bottom	9.6	1	17.6	7.8	30.4	9.2	115.3	3.4	6.8												
							2	17.6	7.8	30.4	9.2	115.3	3.4	6.7												
TCE-WQM3A	Sunny	Calm	15:46	5.1	Surface	1.0	1	18.1	7.8	30.5	8.9	112.6	1.8	7.2	8.9	2.3	6.8									
							2	18.1	7.8	30.5	8.9	112.5	1.8	6.5												
					Bottom	4.1	1	17.9	7.8	30.5	8.8	111.1	2.8	6.9												
							2	17.9	7.8	30.5	8.8	111.1	2.8	6.7												
					TCE-WQM4	Sunny	Calm	15:36	4.2	Surface	1.0	1	18.0	7.8				30.5	8.9	112.7	2.4	6.6	8.9	2.6	6.4	
											2	18.1	7.8	30.5				8.9	112.8	2.5	6.0					
Bottom	3.2	1	17.9	7.8	30.5					8.8	111.9	2.8	6.5													
		2	17.9	7.8	30.5					8.8	111.9	2.8	6.5													
TCE-C1	2023-02-10	Mid-Flood	Fine	Moderate	11:28					7.9	Surface	1.0	1	17.6	7.8	30.7	9.3	117.5	4.9	8.2	9.3	5.3				6.5
												2	17.6	7.8	30.7	9.3	117.5	5.0	5.3							
Middle						4.0	1	17.6	7.8		30.6	9.3	116.6	5.6	7.5											
							2	17.6	7.8		30.6	9.3	116.6	5.6	6.1											
Bottom						6.9	1	17.6	7.8		30.6	9.2	115.7	5.5	5.7											
							2	17.6	7.8		30.6	9.2	115.7	5.5	5.9											
TCE-C2		Fine	Moderate	9:34	11.2	Surface	1.0	1	17.5	7.8	30.6	9.0	113.3	1.9	1.7	9.0	2.0	5.0								
								2	17.5	7.8	30.6	9.0	113.3	2.0	5.2											
						Middle	5.6	1	17.4	7.9	30.8	8.9	111.8	1.9	5.4											
								2	17.4	7.9	30.8	8.9	111.8	1.9	6.2											
						Bottom	10.2	1	17.4	7.9	30.7	8.8	110.8	2.3	5.8											
								2	17.4	7.9	30.7	8.8	110.8	2.3	5.7											
TCE-WQM1		Fine	Calm	10:46	8.8	Surface	1.0	1	17.8	7.8	30.5	8.8	111.4	3.9	6.2	8.8	5.4	6.6								
								2	17.8	7.8	30.5	8.8	111.3	3.9	6.8											
						Middle	4.4	1	17.8	7.8	30.5	8.8	111.2	4.1	6.7											
								2	17.8	7.8	30.5	8.8	111.2	4.1	6.1											
						Bottom	7.8	1	17.8	7.8	30.5	8.8	110.6	8.2	6.6											
								2	17.8	7.8	30.5	8.8	110.6	8.2	7.2											
TCE-WQM2a		Fine	Calm	10:12	6.8	Surface	1.0	1	17.7	7.8	30.1	9.3	116.9	2.6	6.5	9.3	3.3	6.6								
								2	17.7	7.8	30.1	9.3	116.9	2.6	5.8											
						Middle	3.4	1	17.7	7.8	30.1	9.3	116.7	3.1	7.1											
								2	17.7	7.8	30.1	9.3	116.7	3.2	6.6											
						Bottom	5.8	1	17.7	7.8	30.1	9.3	116.2	4.2	7.0											
								2	17.7	7.8	30.1	9.2	116.1	4.3	6.8											
TCE-WQM2b	Fine	Moderate	9:57	8.4	Surface	1.0	1	17.7	7.8	30.2	9.3	117.2	1.2	7.2	9.3	2.4	6.4									
							2	17.7	7.8	30.2	9.3	117.2	1.1	6.4												
					Middle	4.2	1	17.6	7.8	30.2	9.2	115.8	2.3	6.3												
							2	17.6	7.8	30.2	9.2	115.8	2.3	5.8												
					Bottom	7.4	1	17.6	7.9	30.1	9.1	114.7	3.8	6.4												
							2	17.6	7.9	30.1	9.1	114.7	3.8	6.1												
TCE-WQM3A	Fine	Calm	10:24	4.3	Surface	1.0	1	17.7	7.8	30.1	9.0	112.6	3.2	7.5	8.9	3.6	7.1									
							2	17.7	7.8	30.1	8.9	112.5	3.2	7.5												
					Bottom	3.3	1	17.7	7.8	30.0	8.8	110.8	4.0	6.8												
							2	17.7	7.8	30.0	8.8	110.7	4.0	7.0												
					TCE-WQM4	Fine	Calm	10:34	3.9	Surface	1.0	1	17.8	7.8				30.2	8.9	112.8	1.9	6.5	8.9	2.3	6.9	
											2	17.8	7.8	30.2				8.9	112.7	2.0	6.6					
Bottom	2.9	1	17.8	7.8	30.2					8.8	111.4	2.6	7.1													
		2	17.8	7.8	30.2					8.8	111.4	2.6	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)
2023-02-13	Mid-Ebb	TCE-C1	Sunny	Rough	16:34	8.3	Surface	1.0	1	19.3	8.0	30.3	7.8	100.8	4.1	3.6	7.9	3.8	4.6
									2	19.3	8.0	30.3	7.8	100.8	4.1	3.1			
							Middle	4.2	1	19.4	8.1	30.7	8.0	103.9	2.9	2.8			
									2	19.4	8.1	30.7	8.0	103.9	2.9	5.2			
							Bottom	7.3	1	19.3	8.1	30.7	8.0	104.2	4.4	6.2			
									2	19.3	8.1	30.7	8.0	104.2	4.4	6.4			
				2	19.3	8.1	30.7	8.1	103.0	1.8	3.5								
		TCE-C2	Sunny	Moderate	18:30	12.9	Surface	1.0	1	18.4	8.1	30.7	8.1	103.0	1.8	3.5	8.0	2.4	2.8
									2	18.4	8.1	30.7	8.1	102.9	1.8	2.9			
							Middle	6.5	1	18.0	8.1	31.1	7.9	100.8	2.5	2.5			
									2	18.0	8.1	31.1	7.9	100.8	2.5	3.0			
							Bottom	11.9	1	18.0	8.1	31.1	7.9	100.5	3.0	2.7			
									2	18.0	8.1	31.1	7.9	100.5	3.0	2.3			
				2	19.2	8.1	29.6	8.1	104.6	1.7	2.4								
		TCE-WQM1	Sunny	Moderate	17:19	10.4	Surface	1.0	1	19.2	8.1	29.6	8.1	104.6	1.7	2.4	8.0	4.1	2.3
									2	19.2	8.1	29.6	8.1	104.5	1.7	2.6			
							Middle	5.2	1	18.7	8.0	30.0	8.0	102.0	5.1	2.4			
									2	18.7	8.0	30.0	8.0	102.0	5.1	1.6			
							Bottom	9.4	1	18.7	8.0	30.0	7.9	101.9	5.7	1.9			
									2	18.8	8.0	30.0	7.9	101.8	5.7	2.7			
				2	18.8	8.1	29.7	8.2	104.9	2.4	2.9								
		TCE-WQM2a	Sunny	Moderate	17:53	7.2	Surface	1.0	1	18.8	8.1	29.7	8.2	104.9	2.4	3.5	8.2	4.1	3.4
									2	18.8	8.1	29.7	8.2	104.9	2.4	3.5			
							Middle	3.6	1	18.8	8.1	29.7	8.2	104.3	2.7	3.5			
								2	18.8	8.1	29.7	8.2	104.3	2.8	3.8				
	Bottom						6.2	1	18.7	8.1	29.8	8.1	103.8	7.0	3.6				
								2	18.7	8.1	29.8	8.1	103.7	7.1	3.3				
			2	18.7	8.1	30.0	8.1	104.2	2.8	3.0									
	TCE-WQM2b	Sunny	Moderate	18:03	10.1	Surface	1.0	1	18.7	8.1	30.0	8.1	104.2	2.8	3.0	8.1	3.1	3.0	
								2	18.7	8.1	30.0	8.1	104.3	2.8	3.0				
						Middle	5.1	1	18.5	8.1	30.1	8.1	103.3	3.1	3.1				
								2	18.5	8.1	30.1	8.1	103.3	3.1	2.8				
						Bottom	9.1	1	18.4	8.1	30.2	8.1	102.7	3.4	3.2				
								2	18.4	8.1	30.2	8.1	102.7	3.4	2.6				
			2	18.8	8.1	29.7	8.2	104.7	2.6	2.5									
	TCE-WQM3A	Sunny	Calm	17:42	4.9	Surface	1.0	1	18.8	8.1	29.7	8.2	104.7	2.6	2.0	8.2	2.6	2.7	
								2	18.8	8.1	29.7	8.2	104.7	2.6	2.0				
						Bottom	3.9	1	18.8	8.1	29.8	8.1	104.2	2.5	2.8				
								2	18.8	8.1	29.8	8.1	104.2	2.5	3.3				
								2	19.1	8.1	29.7	8.1	104.7	1.6	1.5				
								2	19.1	8.1	29.7	8.1	104.7	1.6	1.9				
			2	18.7	8.1	30.0	8.0	102.1	3.4	1.8									
	TCE-WQM4	Sunny	Calm	17:31	4.1	Surface	1.0	1	19.1	8.1	29.7	8.1	104.7	1.6	1.9	8.1	2.5	1.8	
								2	19.1	8.1	29.7	8.1	104.7	1.6	1.9				
						Bottom	3.1	1	18.7	8.1	30.0	8.0	102.1	3.4	1.8				
								2	18.7	8.1	30.0	8.0	102.2	3.4	2.0				
								2	18.7	8.1	30.0	8.0	102.2	3.4	2.4				
								2	18.3	7.8	30.0	8.0	101.4	2.4	3.6				
		2	18.3	7.8	30.0	8.0	101.4	2.4	3.1										
2023-02-13	Mid-Flood	TCE-C1	Sunny	Moderate	12:24	7.8	Surface	1.0	1	19.1	8.1	31.0	8.1	104.7	2.3	4.4	8.0	2.5	3.3
									2	19.1	8.1	31.0	8.1	104.7	2.6	4.5			
							Middle	3.9	1	18.9	8.1	31.0	8.0	103.5	2.3	4.2			
									2	19.0	8.1	31.0	8.0	103.5	2.3	3.0			
							Bottom	6.8	1	18.9	8.1	31.0	8.0	103.2	2.7	2.9			
									2	18.9	8.1	31.0	8.0	103.2	2.7	3.0			
				2	18.6	8.0	29.7	8.1	103.1	1.6	4.2								
		TCE-C2	Sunny	Moderate	10:05	11.9	Surface	1.0	1	18.6	8.0	29.7	8.1	103.1	1.6	4.2	8.1	2.0	3.8
									2	18.6	8.0	29.7	8.1	103.2	1.7	3.7			
							Middle	6.0	1	18.3	7.9	29.9	8.0	102.2	2.1	3.8			
									2	18.3	7.9	29.9	8.0	102.2	2.1	4.3			
							Bottom	10.9	1	18.3	7.8	30.0	8.0	101.4	2.4	3.6			
									2	18.3	7.8	30.0	8.0	101.4	2.4	3.1			
				2	19.3	8.0	30.2	7.7	100.2	3.3	2.4								
		TCE-WQM1	Sunny	Calm	11:23	8.7	Surface	1.0	1	19.3	8.0	30.2	7.7	100.2	3.3	2.4	7.9	2.9	2.7
									2	19.3	8.0	30.2	7.7	100.3	3.3	2.6			
							Middle	4.4	1	19.4	8.1	30.7	8.0	104.1	1.9	3.3			
									2	19.4	8.1	30.7	8.0	104.1	2.0	3.6			
							Bottom	7.7	1	19.2	8.1	30.7	8.0	103.6	3.5	2.0			
									2	19.2	8.1	30.7	8.0	103.6	3.5	2.5			
				2	19.0	8.1	29.4	8.2	104.8	2.7	3.2								
		TCE-WQM2a	Sunny	Calm	10:42	6.9	Surface	1.0	1	19.0	8.1	29.4	8.2	104.8	2.7	4.0	8.1	4.1	3.8
									2	19.0	8.1	29.4	8.2	104.8	2.7	4.0			
							Middle	3.5	1	18.6	8.1	29.8	8.0	102.7	3.5	3.4			
								2	18.6	8.1	29.8	8.0	102.8	3.5	3.9				
	Bottom						5.9	1	18.6	8.1	30.0	7.9	101.0	6.2	3.0				
								2	18.6	8.1	30.0	7.9	101.0	6.2	5.0				
			2	18.8	8.1	29.5	8.3	106.0	1.2	4.7									
	TCE-WQM2b	Sunny	Moderate	10:27	9.3	Surface	1.0	1	18.8	8.1	29.5	8.3	106.0	1.2	4.7	8.3	1.4	3.7	
								2	18.8	8.1	29.5	8.3	106.0	1.2	3.9				
						Middle	4.7	1	18.5	8.1	29.7	8.2	104.8	1.7	4.5				
								2	18.5	8.1	29.7	8.2	104.8	1.7	3.8				
						Bottom	8.3	1	18.5	8.1	29.8	8.1	103.4	1.3	2.1				
								2	18.5	8.1	29.8	8.1	103.4	1.3	3.0				
			2	18.6	8.1	30.0	7.9	100.7	4.9	3.6									
	TCE-WQM3A	Sunny	Calm	10:57	4.2	Surface	1.0	1	18.6	8.1	30.0	7.9	100.7	4.9	3.6	7.9	5.3	2.6	
								2	18.6	8.1	30.0	7.9	100.7	4.9	2.6				
						Bottom	3.2	1	18.5	8.1	30.2	7.7	97.8	5.7	1.8				
								2	18.5	8.1	30.2	7.7	97.8	5.7	1.8				
								2	18.5	8.1	30.2	7.7	97.9	5.6	2.4				
								2	18.7	8.1	30.1	7.9	101.2	5.2	3.2				
	TCE-WQM4	Sunny	Calm	11:07	3.9	Surface	1.0	1	18.7	8.1	30.1	7.9	101.2	5.2	3.2	7.9	4.3	2.3	
								2	18.7	8.1	30.1	7.9	101.2	5.2	2.4				
						Bottom	2.9	1	18.7	8.1	30.1	7.9	101.3	3.4	1.7				
								2	18.7	8.1	30.1	7.9	101.3	3.4	1.7				
								2	18.7	8.1	30.1	7.9	101.3	3.4	1.8				
								2	18.7	8.1	30.1	7.9	101.3	3.4	1.8				

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
2023-02-15	Mid-Ebb	TCE-C1	Fine	Calm	19:14	8.0	Surface	1.0	1	19.0	8.0	29.4	7.7	98.9	1.4	2.3	7.7	1.9	3.0	
									2	19.0	8.0	29.4	7.7	98.9	1.5	2.6				
							Middle	4.0	1	19.0	8.0	29.4	7.7	99.0	1.6	3.5				
									2	19.0	8.0	29.4	7.7	99.1	1.5	3.3				
							Bottom	7.0	1	19.0	8.0	29.4	7.7	99.2	2.7	3.2				
									2	19.0	8.0	29.4	7.7	99.4	2.6	3.0				
		TCE-C2	Fine	Calm	20:36	14.0	Surface	1.0	1	18.2	8.0	31.4	7.8	99.5	1.0	1.9	7.8	1.5	1.8	
									2	18.1	8.0	31.4	7.8	99.5	1.1	2.8				
							Middle	7.0	1	18.2	8.0	31.4	7.8	99.6	1.3	1.6				
									2	18.2	8.0	31.3	7.8	99.7	1.3	1.5				
							Bottom	13.0	1	18.3	8.0	31.3	7.8	99.9	2.1	1.3				
									2	18.4	8.0	31.2	7.8	100.1	2.2	1.7				
	TCE-WQM1	Fine	Calm	19:33	9.6	Surface	1.0	1	19.0	8.0	29.4	7.7	98.8	1.0	2.0	7.7	1.4	1.8		
								2	19.0	8.0	29.4	7.7	98.8	1.1	1.6					
						Middle	4.8	1	19.0	8.0	29.4	7.7	98.8	1.1	2.0					
								2	19.0	8.0	29.5	7.7	98.8	1.1	1.5					
						Bottom	8.6	1	19.0	8.0	29.5	7.7	98.8	2.2	2.0					
								2	19.0	8.0	29.5	7.7	98.8	2.2	1.6					
	TCE-WQM2a	Fine	Calm	20:04	6.6	Surface	1.0	1	18.5	8.0	29.6	8.2	104.6	1.7	1.9	8.3	2.6	1.5		
								2	18.5	8.0	29.6	8.2	104.6	1.7	1.5					
						Middle	3.3	1	18.4	8.0	29.7	8.3	105.6	2.2	1.5					
								2	18.3	8.0	29.7	8.4	106.3	2.2	1.0					
						Bottom	5.6	1	18.2	8.0	29.9	8.4	106.5	4.0	1.6					
								2	18.2	8.0	29.8	8.5	107.3	4.1	1.3					
TCE-WQM2b	Fine	Calm	20:13	13.0	Surface	1.0	1	18.4	8.0	30.7	8.1	103.6	1.0	2.4	8.2	1.6	2.0			
							2	18.3	8.0	30.7	8.1	103.8	1.1	2.8						
					Middle	6.5	1	18.3	8.0	30.8	8.2	104.3	1.3	1.7						
							2	18.3	8.0	30.8	8.2	104.5	1.3	1.9						
					Bottom	12.0	1	18.3	8.0	30.9	8.3	105.6	2.4	1.6						
							2	18.3	8.0	30.9	8.3	106.1	2.4	1.8						
TCE-WQM3A	Fine	Calm	19:54	4.6	Surface	1.0	1	18.7	8.1	29.2	7.9	101.1	1.1	1.4	7.9	1.4	2.3			
							2	18.7	8.1	29.2	8.0	101.3	1.1	1.5						
					Bottom	3.6	1	18.7	8.1	29.2	8.0	102.1	1.6	2.9						
							2	18.7	8.1	29.2	8.2	104.2	1.6	3.3						
					Surface	1.0	1	18.7	8.0	29.4	8.2	105.1	2.0	2.0				8.3	2.1	2.5
							2	18.7	8.0	29.4	8.3	105.5	1.9	2.0						
Bottom	3.0	1	18.6	8.1	29.4	8.4	106.3	2.2	2.7											
		2	18.6	8.1	29.3	8.4	106.5	2.3	3.2											
Surface	1.0	1	19.0	8.0	29.4	7.8	100.1	1.0	2.4	7.8	1.3	2.5								
		2	19.0	8.0	29.5	7.8	100.1	1.1	2.9											
Middle	4.1	1	19.0	8.0	29.5	7.8	100.2	1.4	2.2											
		2	19.0	8.0	29.5	7.8	100.3	1.5	2.8											
Bottom	7.2	1	19.0	8.0	29.5	7.8	100.3	1.6	2.5											
		2	19.0	8.0	29.5	7.8	100.5	1.6	1.9											
2023-02-15	Mid-Flood	TCE-C1	Fine	Calm	9:38	8.2	Surface	1.0	1	19.0	8.0	29.4	7.8	100.1	1.0	2.4	7.8	1.3	2.5	
									2	19.0	8.0	29.5	7.8	100.1	1.1	2.9				
							Middle	4.1	1	19.0	8.0	29.5	7.8	100.2	1.4	2.2				
									2	19.0	8.0	29.5	7.8	100.3	1.5	2.8				
							Bottom	7.2	1	19.0	8.0	29.5	7.8	100.3	1.6	2.5				
									2	19.0	8.0	29.5	7.8	100.5	1.6	1.9				
		TCE-C2	Fine	Calm	8:03	12.6	Surface	1.0	1	18.1	7.9	31.4	7.9	100.4	1.0	3.6	7.9	1.4	2.5	
									2	18.1	7.9	31.4	7.9	100.5	1.1	2.7				
							Middle	6.3	1	18.1	8.0	31.4	7.9	101.0	1.1	2.1				
									2	18.2	8.0	31.4	7.9	101.0	1.1	3.1				
							Bottom	11.6	1	18.3	8.0	31.3	7.9	101.4	2.0	1.8				
									2	18.3	8.0	31.3	7.9	101.5	2.0	1.4				
	TCE-WQM1	Fine	Calm	9:08	7.4	Surface	1.0	1	19.0	8.0	29.5	8.1	104.0	1.0	1.6	8.1	1.7	1.9		
								2	19.0	8.0	29.5	8.1	104.4	1.1	1.6					
						Middle	3.7	1	19.0	8.0	29.5	8.2	104.8	2.0	2.7					
								2	19.0	8.0	29.5	8.2	105.1	1.9	2.2					
						Bottom	6.4	1	19.0	8.0	29.4	8.2	105.7	2.0	1.5					
								2	19.0	8.0	29.3	8.3	106.2	2.1	1.9					
	TCE-WQM2a	Fine	Calm	8:38	7.2	Surface	1.0	1	18.5	8.0	29.7	8.1	102.6	1.4	1.8	8.0	1.7	2.1		
								2	18.5	8.0	29.7	8.1	102.6	1.4	1.3					
						Middle	3.6	1	18.5	8.0	29.8	8.0	102.5	1.5	1.7					
								2	18.5	8.0	29.9	8.0	102.6	1.5	2.4					
						Bottom	6.2	1	18.5	8.0	30.0	8.1	102.9	2.1	2.5					
								2	18.5	8.0	30.0	8.2	104.8	2.1	2.8					
TCE-WQM2b	Fine	Calm	8:27	11.8	Surface	1.0	1	18.2	7.9	30.7	8.3	106.4	1.0	2.8	8.4	1.3	2.6			
							2	18.2	7.9	30.7	8.4	106.7	1.1	2.4						
					Middle	5.9	1	18.2	8.0	30.7	8.4	107.3	1.1	3.0						
							2	18.2	8.0	30.8	8.5	107.6	1.1	2.6						
					Bottom	10.8	1	18.1	8.0	30.7	8.5	108.2	1.7	2.3						
							2	18.2	8.0	30.8	8.6	109.0	1.6	2.6						
TCE-WQM3A	Fine	Calm	8:47	5.4	Surface	1.0	1	18.6	8.0	29.2	8.3	105.1	1.7	3.1	8.3	1.9	2.8			
							2	18.6	8.0	29.2	8.3	105.6	1.8	2.4						
					Bottom	4.4	1	18.6	8.1	29.1	8.4	106.5	2.0	3.0						
							2	18.6	8.1	29.2	8.4	106.8	2.0	2.6						
					Surface	1.0	1	18.8	8.0	29.4	7.9	101.5	2.1	2.8				7.9	2.6	2.5
							2	18.8	8.0	29.4	8.0	101.6	2.2	2.1						
Bottom	4.2	1	18.8	8.0	29.4	8.0	101.9	3.2	2.2											
		2	18.7	8.2	29.5	8.1	103.4	3.1	2.7											

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)							
2023-02-17	Mid-Ebb	TCE-C1	Fine	Moderate	12:05	8.8	Surface	1.0	1	17.8	8.0	32.5	7.7	98.1	4.1	4.0	7.6	8.4	3.3							
									2	17.7	8.0	32.5	7.7	97.8	4.5	3.7										
							Middle	4.4	1	17.4	8.0	32.7	7.6	96.3	10.0	3.2										
									2	17.4	8.0	32.7	7.6	96.3	10.2	3.4										
							Bottom	7.8	1	17.4	8.0	32.7	7.6	96.7	10.9	2.7										
									2	17.5	8.0	32.6	7.6	97.2	10.6	3.0										
		TCE-C2	Fine	Moderate	10:16	14.7	Surface	1.0	1	17.7	8.1	32.0	7.5	95.2	1.2	2.8	7.5	1.4	3.3							
									2	17.6	8.1	32.0	7.5	95.1	1.2	2.5										
							Middle	7.4	1	17.5	8.0	32.0	7.4	94.4	1.5	3.1										
									2	17.5	8.0	32.0	7.4	94.3	1.5	3.4										
							Bottom	13.7	1	17.5	8.0	32.0	7.4	94.1	1.7	3.7										
									2	17.5	7.9	32.0	7.4	94.1	1.7	4.0										
	TCE-WQM1	Fine	Moderate	11:26	8.9	Surface	1.0	1	17.9	8.0	31.7	7.6	96.2	3.4	2.6	7.5	4.4	1.9								
								2	17.8	8.0	31.8	7.6	96.1	3.7	2.2											
						Middle	4.5	1	17.7	8.0	32.0	7.5	95.7	4.9	1.9											
								2	17.7	8.0	32.0	7.5	95.6	5.1	1.8											
						Bottom	7.9	1	17.6	8.0	32.1	7.5	95.6	4.1	1.4											
								2	17.6	8.0	32.0	7.5	95.7	5.0	1.6											
	TCE-WQM2a	Fine	Moderate	10:54	7.6	Surface	1.0	1	17.8	8.0	31.9	7.5	95.8	1.1	1.5	7.5	2.3	2.1								
								2	17.8	8.0	31.9	7.5	95.8	1.1	1.7											
						Middle	3.8	1	17.7	8.0	32.0	7.5	95.3	1.6	2.3											
								2	17.7	8.0	32.0	7.5	95.3	1.8	2.1											
						Bottom	6.6	1	17.6	8.0	32.0	7.5	95.3	4.3	2.5											
								2	17.6	8.0	32.0	7.5	95.3	4.3	2.7											
TCE-WQM2b	Fine	Moderate	10:43	11.8	Surface	1.0	1	17.9	8.0	32.0	7.5	95.9	1.0	2.1	7.5	1.1	1.8									
							2	17.9	8.0	32.0	7.5	95.8	1.0	2.3												
					Middle	5.9	1	17.7	8.0	32.1	7.4	94.2	1.1	1.9												
							2	17.7	8.0	32.1	7.4	94.2	1.2	1.7												
					Bottom	10.8	1	17.6	8.0	32.2	7.4	94.6	1.2	1.4												
							2	17.6	8.0	32.2	7.5	94.7	1.2	1.5												
TCE-WQM3A	Fine	Moderate	11:04	4.5	Surface	1.0	1	17.8	8.0	31.8	7.4	94.1	3.0	2.6	7.4	3.7	3.3									
							2	17.8	8.0	31.8	7.4	94.2	3.0	3.0												
					Bottom	3.5	1	17.7	8.0	31.8	7.5	95.6	4.2	3.9												
							2	17.7	8.0	31.8	7.5	95.8	4.6	3.7												
					TCE-WQM4	Fine	Moderate	11:13	3.8	Surface	1.0	1	18.0	8.0				31.5	7.5	95.5	0.4	2.5	7.5	0.5	1.9	
											2	18.0	8.0	31.5				7.5	95.6	0.5	2.1					
Bottom	2.8	1	17.9	8.0	31.5					7.6	96.4	0.6	1.6													
		2	17.9	8.0	31.5					7.6	96.6	0.6	1.4													
TCE-C1	2023-02-17	Mid-Flood	Sunny	Moderate	14:01					8.9	Surface	1.0	1	18.0	8.1	32.5	7.6	97.7	3.8	4.2	7.6	6.0				4.9
												2	17.9	8.1	32.5	7.6	97.5	4.0	4.0							
Middle						4.5	1	17.5	8.1		32.6	7.5	95.6	6.2	4.7											
							2	17.4	8.1		32.6	7.5	95.5	6.4	5.1											
Bottom						7.9	1	17.4	8.0		32.6	7.5	95.1	7.7	5.6											
							2	17.4	8.0		32.6	7.5	95.1	7.8	6.0											
TCE-C2			Sunny	Moderate	16:03	14.3	Surface	1.0	1	18.2	7.9	32.2	7.6	97.7	0.6	2.8	7.6	1.3	2.3							
									2	18.2	7.9	32.2	7.6	97.6	0.6	3.1										
							Middle	7.2	1	18.0	7.9	32.3	7.6	96.8	1.2	2.2										
									2	18.0	7.9	32.3	7.6	96.7	1.3	2.6										
							Bottom	13.3	1	17.7	7.9	32.3	7.5	96.0	2.2	1.7										
									2	17.7	7.9	32.3	7.5	96.1	2.1	1.5										
TCE-WQM1		Sunny	Moderate	14:46	8.6	Surface	1.0	1	18.4	7.9	31.5	7.6	97.1	2.1	2.5	7.6	2.2	3.3								
								2	18.3	7.9	31.6	7.6	97.0	2.1	2.8											
						Middle	4.3	1	18.0	8.0	31.7	7.6	96.5	2.0	3.4											
								2	18.0	8.0	31.7	7.6	96.5	2.1	3.0											
						Bottom	7.6	1	17.7	7.9	32.1	7.5	95.8	2.4	4.1											
								2	17.8	7.9	32.1	7.5	95.8	2.4	3.8											
TCE-WQM2a		Sunny	Moderate	15:22	8.2	Surface	1.0	1	18.1	7.9	31.8	7.5	96.4	1.4	1.4	7.5	3.9	2.2								
								2	18.1	7.9	31.8	7.5	96.4	1.4	1.7											
						Middle	4.1	1	17.8	7.9	31.9	7.5	96.1	3.0	2.4											
								2	17.8	7.9	31.9	7.5	96.0	3.2	2.1											
						Bottom	7.2	1	17.8	7.9	32.0	7.5	95.9	6.9	3.1											
								2	17.8	7.9	32.0	7.5	95.9	7.1	2.7											
TCE-WQM2b	Sunny	Moderate	15:34	12.8	Surface	1.0	1	18.1	7.9	31.9	7.7	98.9	0.5	0.6	7.6	0.8	1.6									
							2	18.1	7.9	31.9	7.7	98.9	0.4	0.8												
					Middle	6.4	1	18.0	7.9	32.1	7.6	97.0	0.9	1.8												
							2	17.9	7.9	32.1	7.6	96.6	1.0	1.6												
					Bottom	11.8	1	17.8	7.9	32.1	7.6	96.8	1.1	2.1												
							2	17.9	7.9	32.1	7.6	97.0	1.0	2.4												
TCE-WQM3A	Sunny	Moderate	15:10	5.0	Surface	1.0	1	18.3	7.9	31.8	7.4	95.0	3.7	2.2	7.4	7.5	3.0									
							2	18.3	7.9	31.8	7.4	94.9	4.5	2.6												
					Bottom	4.0	1	18.0	7.9	31.8	7.4	94.3	10.9	3.3												
							2	18.0	7.9	31.8	7.4	94.3	10.9	3.7												
					TCE-WQM4	Sunny	Moderate	14:59	3.5	Surface	1.0	1	18.3	8.0				31.5	7.6	97.4	1.1	1.4	7.6	1.7	1.8	
											2	18.2	8.1	31.5				7.6	97.4	1.2	1.6					
Bottom	2.5	1	17.9	8.1	31.6					7.7	98.2	2.3	2.1													
		2	17.9	8.1	31.6					7.7	98.2	2.3	2.1													
		2	17.9	8.1	31.6					7.7	98.2	2.3	2.2													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
2023-02-20	Mid-Ebb	TCE-C1	Sunny	Moderate	11:49	7.3	Surface	1.0	1	18.9	8.1	30.2	7.9	101.5	5.7	4.2	7.9	5.9	3.3							
									2	18.9	8.1	30.2	7.9	101.5	5.7	3.8										
							Middle	3.7	1	18.9	8.1	30.2	7.9	101.7	5.9	3.4										
									2	18.9	8.1	30.2	7.9	101.7	5.8	3.0										
							Bottom	6.3	1	18.9	8.1	30.2	7.9	101.8	6.0	2.7										
									2	18.9	8.1	30.2	7.9	101.8	6.1	2.4										
		TCE-C2	Sunny	Moderate	13:57	13.5	Surface	1.0	1	18.9	8.2	30.7	7.6	97.8	0.9	3.6	7.5	1.1	2.8							
									2	18.9	8.2	30.7	7.6	97.7	0.9	3.2										
							Middle	6.8	1	18.6	8.2	31.1	7.5	95.9	1.3	2.6										
									2	18.6	8.2	31.1	7.5	95.9	1.4	2.9										
							Bottom	12.5	1	18.6	8.2	31.1	7.4	95.2	1.1	2.4										
									2	18.6	8.2	31.2	7.4	95.1	1.2	2.2										
	TCE-WQM1	Sunny	Calm	12:26	8.9	Surface	1.0	1	18.8	8.2	30.4	8.1	101.8	3.7	3.8	7.9	3.9	2.9								
								2	18.8	8.2	30.4	8.1	101.8	3.8	3.2											
						Middle	4.5	1	18.8	8.2	30.4	7.8	100.5	3.9	3.0											
								2	18.8	8.2	30.4	7.8	100.5	3.9	2.6											
						Bottom	7.9	1	18.8	8.2	30.4	7.8	100.2	4.2	2.1											
								2	18.8	8.2	30.4	7.8	100.1	4.1	2.4											
	TCE-WQM2a	Sunny	Calm	13:04	7.2	Surface	1.0	1	19.1	8.2	30.2	7.9	102.3	1.5	2.6	7.8	2.7	3.4								
								2	19.1	8.2	30.2	7.9	102.3	1.5	2.4											
						Middle	3.6	1	19.1	8.2	30.2	7.8	100.6	2.7	4.0											
								2	19.1	8.2	30.2	7.8	100.5	2.7	3.4											
						Bottom	6.2	1	19.0	8.2	30.3	7.7	99.3	3.8	4.1											
								2	19.0	8.2	30.3	7.7	99.3	3.8	3.7											
TCE-WQM2b	Sunny	Calm	13:21	9.6	Surface	1.0	1	19.1	8.2	30.2	7.8	100.2	2.7	3.2	7.7	3.9	2.9									
							2	19.1	8.2	30.2	7.8	100.2	2.7	3.4												
					Middle	4.8	1	19.0	8.2	30.3	7.7	99.5	3.6	3.0												
							2	19.0	8.2	30.3	7.7	99.5	3.6	2.7												
					Bottom	8.6	1	19.0	8.2	30.4	7.7	99.3	5.2	2.4												
							2	19.0	8.2	30.4	7.7	99.3	5.3	2.6												
TCE-WQM3A	Sunny	Calm	12:50	4.9	Surface	1.0	1	19.3	8.2	30.3	7.7	99.7	1.4	3.8	7.7	1.8	3.3									
							2	19.3	8.2	30.3	7.7	99.7	1.4	3.5												
					Bottom	3.9	1	19.2	8.2	30.3	7.7	99.5	2.2	2.6												
							2	19.2	8.2	30.3	7.7	99.5	2.2	3.1												
					TCE-WQM4	Sunny	Calm	12:38	4.4	Surface	1.0	1	18.8	8.2				30.4	8.0	101.5	4.1	2.3	8.0	3.8	2.7	
											2	18.8	8.2	30.4				8.0	101.5	4.2	2.6					
Bottom	3.4	1	18.8	8.2	30.4					7.9	101.3	3.5	3.1													
		2	18.8	8.2	30.4					7.9	101.3	3.5	2.7													
TCE-C1	2023-02-20	Mid-Flood	Fine	Rough	9:26					6.9	Surface	1.0	1	18.9	8.1	30.2	7.6	97.5	4.9	2.6	7.6	5.4				3.1
												2	18.9	8.1	30.2	7.6	97.5	4.9	2.2							
Middle						3.5	1	18.9	8.1		30.2	7.6	96.9	5.5	2.9											
							2	18.9	8.1		30.2	7.6	96.9	5.5	3.2											
Bottom						5.9	1	18.9	8.1		30.2	7.6	97.2	5.7	3.5											
							2	18.9	8.1		30.2	7.6	97.3	5.8	3.9											
TCE-C2		Fine	Moderate	7:03	12.7	Surface	1.0	1	18.6	8.1	31.1	7.5	96.4	1.7	4.0	7.4	1.7	3.3								
								2	18.6	8.1	31.1	7.5	96.3	1.7	3.7											
						Middle	6.4	1	18.6	8.1	31.1	7.4	95.2	1.1	3.4											
								2	18.6	8.1	31.1	7.4	95.2	1.1	3.2											
						Bottom	11.7	1	18.6	8.1	31.2	7.4	94.8	2.5	2.5											
								2	18.6	8.1	31.2	7.4	94.8	2.5	2.8											
TCE-WQM1		Fine	Moderate	8:19	8.2	Surface	1.0	1	19.2	8.1	30.5	7.7	99.2	3.2	4.0	7.6	5.0	3.3								
								2	19.2	8.1	30.5	7.7	99.2	3.3	3.8											
						Middle	4.1	1	19.2	8.1	30.6	7.6	98.8	5.4	3.3											
								2	19.2	8.1	30.6	7.6	98.7	5.5	3.6											
						Bottom	7.2	1	19.2	8.1	30.6	7.6	98.5	6.2	2.5											
								2	19.2	8.1	30.6	7.6	98.5	6.3	2.8											
TCE-WQM2a		Fine	Calm	7:39	6.7	Surface	1.0	1	19.0	8.1	30.2	7.8	101.0	1.4	2.2	7.8	3.3	3.1								
								2	19.0	8.1	30.2	7.8	101.0	1.4	2.5											
						Middle	3.4	1	19.0	8.1	30.2	7.8	100.8	3.6	2.8											
								2	19.0	8.1	30.2	7.8	100.8	3.7	3.2											
						Bottom	5.7	1	19.0	8.1	30.2	7.8	100.5	4.9	3.7											
								2	19.0	8.1	30.2	7.8	100.4	4.9	4.2											
TCE-WQM2b	Fine	Moderate	7:27	8.3	Surface	1.0	1	19.0	8.1	30.5	7.7	99.7	1.6	4.4	7.7	2.6	3.5									
							2	19.0	8.1	30.5	7.7	99.7	1.7	4.1												
					Middle	4.2	1	18.9	8.1	30.5	7.7	99.2	2.3	3.8												
							2	18.9	8.1	30.5	7.7	99.2	2.3	3.3												
					Bottom	7.3	1	18.9	8.1	30.5	7.6	98.5	3.7	2.6												
							2	18.9	8.1	30.5	7.6	98.5	3.7	3.0												
TCE-WQM3A	Fine	Calm	7:52	4.1	Surface	1.0	1	19.1	8.1	30.1	7.9	100.3	2.3	3.9	7.9	2.4	3.5									
							2	19.1	8.1	30.1	7.9	100.3	2.4	3.9												
					Bottom	3.1	1	19.0	8.1	30.2	7.7	98.6	2.5	3.1												
							2	19.0	8.1	30.2	7.7	98.6	2.5	3.4												
					TCE-WQM4	Fine	Calm	8:07	3.2	Surface	1.0	1	19.1	8.1				30.5	7.6	98.5	1.6	2.7	7.6	2.5	2.9	
											2	19.1	8.1	30.5				7.6	98.5	1.6	2.4					
Bottom	2.2	1	19.1	8.1	30.6					7.5	97.5	3.4	3.4													
		2	19.1	8.1	30.6					7.5	97.5	3.4	3.0													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
2023-02-22	Mid-Ebb	TCE-C1	Sunny	Moderate	13:09	8.1	Surface	1.0	1	18.1	8.2	31.3	7.7	97.8	4.4	2.6	7.7	4.5	2.3			
									2	18.1	8.2	31.3	7.7	97.8	4.4	2.9						
							Middle	4.1	1	18.1	8.2	31.2	7.8	99.3	4.7	2.4						
									2	18.1	8.2	31.2	7.8	99.3	4.7	2.2						
							Bottom	7.1	1	18.0	8.2	31.2	7.9	100.8	4.3	1.6						
									2	18.0	8.2	31.2	7.9	100.8	4.3	1.8						
				2	18.1	8.1	31.3	7.5	95.4	3.9	1.9											
		TCE-C2	Sunny	Moderate	15:23	13.9	Surface	1.0	1	18.4	8.0	31.8	7.3	94.1	1.2	2.2	7.2	2.5	2.4			
				2	18.4	8.0	31.8	7.3	94.1	1.2	2.3											
		Middle	7.0	1	18.1	8.0	31.9	7.2	91.8	2.8	2.2											
				2	18.1	8.0	31.9	7.2	91.9	2.8	2.5											
		Bottom	12.9	1	18.1	8.1	31.9	7.2	92.3	3.4	2.8											
			2	18.1	8.1	31.9	7.2	92.4	3.4	2.5												
	TCE-WQM1	Sunny	Calm	14:06	9.3	Surface	1.0	1	18.1	8.1	31.3	7.5	95.4	3.9	1.9	7.5	4.7	2.5				
			2	18.1	8.1	31.3	7.5	95.4	3.9	1.7												
	Middle	4.7	1	18.1	8.1	31.3	7.5	95.7	4.1	2.2												
			2	18.1	8.1	31.3	7.5	95.7	4.1	2.5												
	Bottom	8.3	1	18.1	8.1	31.3	7.5	96.0	6.2	3.4												
			2	18.1	8.1	31.3	7.5	96.0	6.3	3.0												
	TCE-WQM2a	Sunny	Calm	14:45	7.2	Surface	1.0	1	18.6	8.0	31.2	7.5	94.0	2.5	2.3	7.5	2.2	2.7				
			2	18.6	8.0	31.2	7.5	94.0	2.5	2.1												
	Middle	3.6	1	18.4	8.1	31.2	7.5	93.7	1.9	2.7												
			2	18.4	8.1	31.2	7.5	93.8	1.9	2.5												
	Bottom	6.2	1	18.1	8.1	31.3	7.5	94.8	2.1	3.2												
		2	18.1	8.1	31.3	7.5	94.8	2.1	3.6													
TCE-WQM2b	Sunny	Moderate	15:02	9.8	Surface	1.0	1	18.4	8.0	31.2	7.4	95.1	3.1	2.3	7.4	3.1	2.8					
		2	18.4	8.0	31.2	7.4	95.1	3.1	2.1													
Middle	4.9	1	18.2	8.1	31.2	7.4	95.1	2.9	2.5													
		2	18.2	8.1	31.2	7.4	95.1	2.9	2.8													
Bottom	8.8	1	18.2	8.1	31.3	7.5	95.8	3.3	3.4													
		2	18.2	8.1	31.3	7.5	95.8	3.3	3.8													
TCE-WQM3A	Sunny	Calm	14:29	5.7	Surface	1.0	1	18.4	8.1	31.2	7.8	99.5	3.2	2.2	7.8	3.8	2.8					
		2	18.4	8.1	31.2	7.8	99.5	3.3	2.6													
Bottom	4.7	1	18.4	8.2	31.2	7.9	100.9	4.2	3.0													
		2	18.4	8.2	31.2	7.9	100.9	4.3	3.4													
TCE-WQM4	Sunny	Calm	14:18	4.8	Surface	1.0	1	18.1	8.1	31.2	7.6	96.8	2.3	1.7				7.6	2.8	2.1		
		2	18.1	8.1	31.2	7.6	96.9	2.4	1.9													
Bottom	3.8	1	18.0	8.2	31.2	7.6	97.3	3.3	2.2													
		2	18.0	8.2	31.2	7.6	97.3	3.3	2.5													
2023-02-22	Mid-Flood	TCE-C1	Fine	Rough	10:09	7.4	Surface	1.0	1	18.0	8.0	31.4	7.5	94.9	3.8	1.7	7.5				4.0	2.3
								2	18.0	8.0	31.4	7.5	94.9	3.8	1.9							
Middle							3.7	1	18.0	8.0	31.3	7.5	95.2	4.0	2.2							
								2	18.0	8.0	31.3	7.5	95.2	4.0	2.4							
Bottom							6.4	1	17.9	8.1	31.3	7.5	95.7	4.2	3.0							
								2	17.9	8.1	31.3	7.5	95.8	4.2	2.7							
TCE-C2		Fine	Moderate	7:55	12.7	Surface	1.0	1	18.2	8.0	31.6	7.2	91.9	2.3	3.4	7.2	3.2	2.8				
			2	18.2	8.0	31.6	7.2	91.9	2.3	3.1												
Middle		6.4	1	18.1	8.0	31.6	7.1	91.3	3.6	2.8												
			2	18.1	8.0	31.6	7.1	91.3	3.6	2.5												
Bottom		11.7	1	18.1	7.9	31.6	7.1	91.2	3.9	2.3												
			2	18.1	7.9	31.6	7.1	91.2	3.9	2.5												
TCE-WQM1		Fine	Moderate	9:14	9.2	Surface	1.0	1	18.1	8.0	31.3	7.5	95.5	2.7	2.2	7.5	2.9	1.9				
			2	18.1	8.0	31.3	7.5	95.5	2.7	2.3												
Middle		4.6	1	18.0	8.0	31.3	7.5	95.4	3.0	1.9												
			2	18.0	8.0	31.3	7.5	95.4	3.0	1.7												
Bottom		8.2	1	18.0	8.1	31.3	7.5	95.7	3.0	1.6												
			2	18.0	8.1	31.3	7.5	95.7	3.1	1.9												
TCE-WQM2a		Fine	Moderate	8:34	6.8	Surface	1.0	1	18.3	8.0	31.2	7.5	96.6	2.2	1.8	7.5	2.2	2.1				
			2	18.3	8.0	31.2	7.5	96.6	2.2	1.8												
Middle		3.4	1	18.3	8.0	31.2	7.6	96.6	2.2	2.0												
			2	18.3	8.0	31.2	7.6	96.6	2.2	2.3												
Bottom		5.8	1	18.3	8.1	31.2	7.6	97.1	2.2	2.6												
			2	18.3	8.1	31.2	7.6	97.2	2.2	2.3												
TCE-WQM2b	Fine	Moderate	8:21	8.9	Surface	1.0	1	18.3	7.9	31.2	7.5	96.1	2.1	1.6	7.5	2.4	2.2					
		2	18.3	7.9	31.2	7.5	96.1	2.1	1.8													
Middle	4.5	1	18.2	8.0	31.2	7.5	95.4	2.2	2.1													
		2	18.2	8.0	31.2	7.5	95.4	2.2	2.3													
Bottom	7.9	1	18.2	8.0	31.2	7.5	95.3	2.9	2.6													
		2	18.2	8.0	31.2	7.5	95.3	2.9	2.7													
TCE-WQM3A	Fine	Calm	8:47	4.4	Surface	1.0	1	18.1	8.1	31.2	7.5	95.4	1.9	2.4	7.5	2.2	3.0					
		2	18.1	8.1	31.2	7.5	95.4	1.9	2.7													
Bottom	3.4	1	18.0	8.1	31.2	7.5	95.8	2.5	3.6													
		2	18.1	8.1	31.2	7.5	95.9	2.5	3.3													
TCE-WQM4	Fine	Calm	8:59	3.9	Surface	1.0	1	18.2	8.0	31.3	7.5	95.2	2.4	3.0				7.5	2.6	3.4		
		2	18.2	8.0	31.3	7.5	95.2	2.4	2.7													
Bottom	2.9	1	18.2	8.1	31.3	7.5	95.5	2.7	3.8													
		2	18.2	8.1	31.3	7.5	95.5	2.7	3.8													
		2	18.2	8.1	31.3	7.5	95.5	2.7	4.1													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged								
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
2023-02-24	Mid-Ebb	TCE-C1	Misty	Calm	14:24	7.8	Surface	1.0	1	18.4	8.0	31.2	7.2	92.8	4.8	4.6	7.2	5.3	3.9						
									2	18.4	8.0	31.2	7.2	92.8	4.7	4.3									
							Middle	3.9	1	18.4	7.9	31.2	7.3	93.0	5.2	4.1									
									2	18.4	7.9	31.2	7.3	93.0	5.1	3.8									
							Bottom	6.8	1	18.4	7.9	31.2	7.3	93.0	6.0	3.4									
									2	18.4	7.9	31.1	7.3	93.0	6.1	3.0									
		TCE-C2	Misty	Calm	15:46	13.6	Surface	1.0	1	18.3	7.9	31.2	7.4	94.3	1.9	3.8	7.4	2.7	2.9						
									2	18.3	7.9	31.2	7.4	94.5	1.8	3.4									
							Middle	6.8	1	18.3	7.9	31.2	7.4	95.2	2.8	3.0									
									2	18.3	7.9	31.2	7.5	95.5	2.7	2.7									
							Bottom	12.6	1	18.3	7.9	31.2	7.5	96.2	3.6	2.4									
									2	18.3	7.9	31.2	7.6	96.7	3.5	2.1									
	TCE-WQM1	Misty	Calm	14:43	9.6	Surface	1.0	1	18.5	7.9	30.9	7.3	93.8	4.8	3.7	7.3	5.4	3.2							
								2	18.5	7.9	30.9	7.3	93.8	4.8	3.8										
						Middle	4.8	1	18.4	7.9	30.8	7.4	94.3	5.4	3.1										
								2	18.4	7.9	30.8	7.4	94.4	5.5	3.4										
						Bottom	8.6	1	18.7	7.9	30.6	7.4	95.0	6.1	2.6										
								2	18.8	7.9	30.5	7.4	95.2	6.1	2.8										
	TCE-WQM2a	Misty	Calm	15:13	6.6	Surface	1.0	1	18.5	7.9	30.6	7.5	95.6	2.1	3.6	7.5	2.7	4.1							
								2	18.5	7.9	30.6	7.5	95.6	2.1	3.4										
						Middle	3.3	1	18.4	7.9	30.6	7.5	96.5	2.6	4.0										
								2	18.4	7.9	30.6	7.6	96.7	2.6	4.2										
						Bottom	5.6	1	18.4	7.9	30.6	7.7	97.8	3.4	4.8										
								2	18.4	7.9	30.5	7.7	98.2	3.4	4.4										
TCE-WQM2b	Misty	Calm	15:23	12.4	Surface	1.0	1	18.5	7.9	30.7	7.3	94.0	4.4	2.5	7.4	5.5	3.4								
							2	18.5	7.9	30.7	7.3	94.0	4.4	2.8											
					Middle	6.2	1	18.4	7.9	30.6	7.4	95.1	5.6	3.2											
							2	18.4	7.9	30.6	7.5	95.3	5.5	3.5											
					Bottom	11.4	1	18.4	7.9	30.6	7.6	96.9	6.5	3.9											
							2	18.4	7.9	30.6	7.6	97.1	6.6	4.2											
TCE-WQM3A	Misty	Calm	15:04	4.2	Surface	1.0	1	18.5	7.9	30.6	7.4	94.9	5.1	3.4	7.4	5.6	3.9								
							2	18.5	7.9	30.6	7.4	95.0	5.1	3.6											
					Bottom	3.2	1	18.4	7.9	30.6	7.6	96.8	6.0	4.6											
							2	18.4	7.9	30.6	7.6	97.2	6.1	4.1											
					TCE-WQM4	Misty	Calm	14:55	5.8	Surface	1.0	1	18.4	8.0				31.3	7.3	93.1	5.2	3.4	7.3	5.9	3.9
											2	18.4	8.0	31.3				7.3	93.1	5.1	3.7				
Bottom	4.8	1	18.4	8.0	31.3					7.3	93.1	6.6	4.3												
		2	18.4	8.0	31.3					7.3	93.1	6.7	4.0												
		1	18.4	7.9	31.2					7.2	92.9	3.8	2.8												
		2	18.4	7.9	31.2					7.2	92.9	4.9	3.0												
2023-02-24	Mid-Flood	TCE-C1	Misty	Calm	10:38	8.0	Surface	1.0	1	18.4	7.9	31.2	7.2	92.9	3.8	2.8	7.2	4.6	3.3						
									2	18.4	7.9	31.2	7.2	92.9	3.8	2.5									
							Middle	4.0	1	18.4	7.9	31.2	7.2	92.9	4.9	3.0									
									2	18.4	7.9	31.2	7.3	93.0	4.9	3.5									
							Bottom	7.0	1	18.4	7.9	31.1	7.3	93.3	5.0	4.0									
									2	18.4	7.9	31.1	7.3	93.4	5.1	3.7									
		TCE-C2	Misty	Calm	9:03	12.8	Surface	1.0	1	18.3	7.9	31.2	7.1	91.2	3.2	4.6	7.1	4.2	3.9						
									2	18.3	7.9	31.2	7.1	91.2	3.2	4.3									
							Middle	6.4	1	18.3	7.8	31.1	7.1	91.2	4.1	4.1									
									2	18.3	7.8	31.0	7.1	91.2	4.1	3.8									
							Bottom	11.8	1	18.3	7.9	30.7	7.2	91.7	5.3	3.5									
									2	18.3	7.9	30.7	7.2	91.6	5.4	3.0									
	TCE-WQM1	Misty	Calm	10:08	7.2	Surface	1.0	1	18.4	7.9	31.1	7.4	94.8	4.2	2.2	7.4	5.2	2.9							
								2	18.4	7.9	31.0	7.4	94.9	4.2	2.5										
						Middle	3.6	1	18.4	7.9	30.9	7.5	95.9	5.1	2.8										
								2	18.5	7.9	30.9	7.5	96.0	5.2	3.0										
						Bottom	6.2	1	18.6	7.9	30.7	7.5	96.8	6.4	3.4										
								2	18.7	7.9	30.7	7.6	97.0	6.5	3.7										
	TCE-WQM2a	Misty	Calm	9:38	7.6	Surface	1.0	1	18.6	7.9	30.6	7.4	94.9	2.0	3.3	7.4	2.8	3.7							
								2	18.6	7.9	30.6	7.4	94.9	2.0	3.1										
						Middle	3.8	1	18.4	7.9	30.6	7.5	95.3	2.6	3.5										
								2	18.4	7.9	30.6	7.5	95.3	2.6	3.9										
						Bottom	6.6	1	18.6	7.9	30.5	7.5	96.6	3.6	4.4										
								2	18.6	7.9	30.4	7.6	97.5	3.7	4.1										
TCE-WQM2b	Misty	Calm	9:27	12.4	Surface	1.0	1	18.5	7.9	30.6	7.4	94.1	4.1	3.0	7.4	5.3	3.4								
							2	18.5	7.9	30.6	7.4	94.1	4.1	2.9											
					Middle	6.2	1	18.4	7.9	30.5	7.4	94.8	5.6	3.6											
							2	18.4	7.9	30.5	7.4	94.9	5.5	3.2											
					Bottom	11.4	1	18.5	7.9	30.3	7.5	96.1	6.2	3.9											
							2	18.6	7.9	30.3	7.5	96.3	6.1	3.7											
TCE-WQM3A	Misty	Calm	9:47	4.8	Surface	1.0	1	18.6	7.9	30.6	7.5	96.1	4.3	3.7	7.5	4.7	3.3								
							2	18.5	7.9	30.6	7.5	96.1	4.4	3.4											
					Bottom	3.8	1	18.8	7.9	30.3	7.6	97.8	5.1	3.0											
							2	18.8	7.9	30.3	7.6	97.8	5.1	3.2											
					TCE-WQM4	Misty	Calm	9:57	5.0	Surface	1.0	1	18.5	7.9				30.9	7.4	94.5	3.9	2.8	7.4	4.4	3.2
											2	18.5	7.9	30.9				7.4	94.5	3.8	2.6				
Bottom	4.0	1	18.4	7.9	30.7					7.4	95.3	4.9	3.4												
		2	18.5	7.9	30.7					7.5	95.5	4.9	3.8												



Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged								
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
2023-02-27	Mid-Ebb	TCE-C1	Fine	Rough	6:04	8.2	Surface	1.0	1	18.4	8.0	30.6	7.5	94.7	2.1	4.2	7.5	4.4	3.8						
									2	18.4	8.0	30.6	7.5	94.7	2.1	4.6									
							Middle	4.1	1	18.4	8.0	30.6	7.5	94.5	4.8	4.0									
									2	18.4	8.0	30.6	7.5	94.5	4.8	3.7									
							Bottom	7.2	1	18.3	8.0	30.6	7.5	94.6	6.2	3.4									
									2	18.3	8.0	30.6	7.5	94.6	6.3	3.0									
		TCE-C2	Fine	Rough	3:56	12.7	Surface	1.0	1	18.5	8.0	31.5	7.3	91.7	1.7	2.8	7.3	2.1	3.2						
									2	18.5	8.0	31.5	7.3	91.7	1.7	2.5									
							Middle	6.4	1	18.5	8.0	31.5	7.3	91.9	2.2	3.1									
									2	18.5	8.0	31.5	7.3	91.9	2.2	3.4									
							Bottom	11.7	1	18.5	7.9	31.5	7.3	92.1	2.3	3.9									
									2	18.5	7.9	31.5	7.3	92.2	2.3	3.6									
	TCE-WQM1	Fine	Moderate	5:12	9.1	Surface	1.0	1	18.5	8.0	30.7	7.5	93.9	1.7	2.8	7.5	2.1	3.3							
								2	18.5	8.0	30.7	7.5	93.9	1.7	2.4										
						Middle	4.6	1	18.4	8.0	30.7	7.5	93.8	2.0	3.0										
								2	18.4	8.0	30.7	7.5	93.8	2.1	3.4										
						Bottom	8.1	1	18.4	8.0	30.7	7.5	94.3	2.6	4.2										
								2	18.4	8.0	30.7	7.5	94.3	2.6	4.1										
	TCE-WQM2a	Fine	Moderate	4:34	6.8	Surface	1.0	1	18.4	8.0	31.0	7.4	92.5	1.3	3.7	7.3	2.4	3.3							
								2	18.4	8.0	31.0	7.4	92.5	1.3	3.9										
						Middle	3.4	1	18.5	8.0	31.1	7.2	91.4	2.9	3.1										
								2	18.5	8.0	31.1	7.2	91.4	2.9	3.5										
						Bottom	5.8	1	18.5	8.0	31.1	7.3	91.6	2.9	2.7										
								2	18.5	8.0	31.1	7.3	91.6	3.0	2.9										
TCE-WQM2b	Fine	Rough	4:22	8.9	Surface	1.0	1	15.2	8.0	38.1	7.4	91.1	1.1	3.0	7.3	1.5	3.4								
							2	15.2	8.0	38.1	7.4	91.1	1.1	2.6											
					Middle	4.5	1	18.5	8.0	31.5	7.2	91.5	1.4	3.3											
							2	18.5	8.0	31.5	7.2	91.5	1.5	3.6											
					Bottom	7.9	1	18.5	8.0	31.5	7.2	91.6	1.8	3.8											
							2	18.5	8.0	31.5	7.2	91.6	1.8	4.2											
TCE-WQM3A	Fine	Moderate	4:46	4.7	Surface	1.0	1	18.5	8.0	30.9	7.4	92.9	1.5	2.1	7.4	1.5	2.6								
							2	18.5	8.0	30.9	7.4	92.9	1.5	2.4											
					Bottom	3.7	1	18.5	8.0	30.9	7.4	93.7	1.5	3.0											
							2	18.5	8.0	30.9	7.4	93.8	1.5	2.7											
					TCE-WQM4	Fine	Moderate	4:59	3.9	Surface	1.0	1	18.4	8.0				30.7	7.2	90.7	4.3	2.4	7.2	5.0	2.5
											2	18.4	8.0	30.7				7.2	90.7	4.3	2.1				
Bottom	2.9	1	18.4	8.0	30.7					7.3	91.9	5.8	2.9												
		2	18.4	8.0	30.7					7.3	92.1	5.8	2.5												
TCE-C1	2023-02-27	Sunny	Rough	9:27	8.8					Surface	1.0	1	18.4	8.0	30.6	7.5	94.4	3.8	3.1	7.5	6.4	3.6			
											2	18.4	8.0	30.6	7.5	94.4	3.8	2.8							
Middle						4.4	1	18.4	8.0	30.6	7.5	94.4	6.4	3.7											
							2	18.4	8.0	30.6	7.5	94.4	6.4	3.4											
Bottom						7.8	1	18.3	8.0	30.6	7.6	94.8	8.9	4.0											
							2	18.3	8.0	30.6	7.6	94.9	8.9	4.3											
TCE-C2		Sunny	Rough	11:38	13.3	Surface	1.0	1	18.6	8.0	31.6	7.2	91.0	1.2	4.4	7.2	2.1	5.2							
								2	18.6	8.0	31.6	7.2	91.0	1.2	4.7										
						Middle	6.7	1	18.6	8.0	31.6	7.2	90.8	1.8	5.1										
								2	18.6	8.0	31.6	7.2	90.8	1.9	5.4										
						Bottom	12.3	1	18.6	8.0	31.6	7.2	90.8	3.2	6.1										
								2	18.6	8.0	31.6	7.2	90.8	3.2	5.7										
TCE-WQM1		Sunny	Rough	10:26	9.7	Surface	1.0	1	18.5	8.0	30.7	7.4	92.8	2.5	4.1	7.4	3.0	3.6							
								2	18.5	8.0	30.7	7.4	92.8	2.4	4.4										
						Middle	4.9	1	18.5	8.0	30.7	7.5	94.3	2.2	3.8										
								2	18.5	8.0	30.7	7.5	94.4	2.2	3.4										
						Bottom	8.7	1	18.4	8.0	30.7	7.9	98.8	4.2	3.1										
								2	18.4	8.0	30.7	7.9	98.8	4.3	2.8										
TCE-WQM2a		Sunny	Rough	11:06	7.2	Surface	1.0	1	18.6	8.0	30.9	7.4	93.3	2.0	3.0	7.4	2.2	3.4							
								2	18.6	8.0	30.9	7.4	93.3	2.0	2.7										
						Middle	3.6	1	18.6	8.0	30.9	7.4	93.1	2.1	3.1										
								2	18.6	8.0	30.9	7.4	93.1	2.1	3.4										
						Bottom	6.2	1	18.6	8.0	30.9	7.4	93.0	2.5	3.7										
								2	18.6	8.0	30.9	7.4	93.0	2.5	4.2										
TCE-WQM2b	Sunny	Rough	11:18	9.3	Surface	1.0	1	18.6	8.0	31.2	7.4	93.6	1.9	4.1	7.4	2.3	3.7								
							2	18.6	8.0	31.2	7.4	93.6	1.9	4.5											
					Middle	4.7	1	18.6	8.0	31.2	7.3	92.4	2.0	3.6											
							2	18.5	8.0	31.2	7.3	92.3	2.1	3.9											
					Bottom	8.3	1	18.5	8.0	31.2	7.3	91.9	3.0	3.3											
							2	18.5	8.0	31.2	7.3	92.0	3.0	3.0											
TCE-WQM3A	Sunny	Moderate	10:46	5.3	Surface	1.0	1	18.6	8.0	30.9	7.3	92.6	1.5	3.2	7.3	2.2	3.6								
							2	18.5	8.0	30.9	7.3	92.6	1.5	3.4											
					Bottom	4.3	1	18.6	8.0	30.9	7.4	93.1	2.9	3.8											
							2	18.6	8.0	30.9	7.4	93.1	3.0	4.1											
					TCE-WQM4	Sunny	Moderate	10:37	4.4	Surface	1.0	1	18.6	8.0				30.9	7.5	94.8	1.9	3.8	7.5	2.0	3.1
											2	18.6	8.0	30.9				7.5	94.8	1.9	3.4				
Bottom	3.4	1	18.6	8.0	30.9					7.6	96.0	2.1	2.8												
		2	18.6	8.0	30.9					7.6	96.2	2.2	2.4												