

Annex G3

Monitoring Results for Water Quality

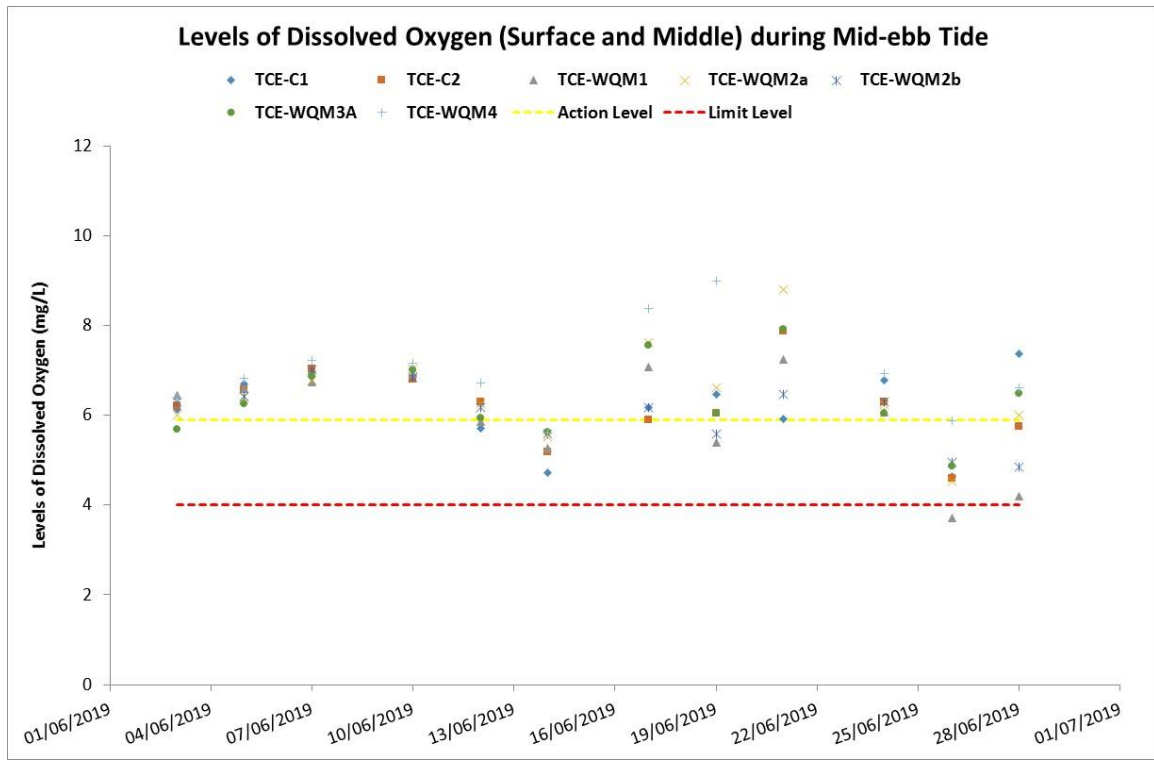


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 June 2019

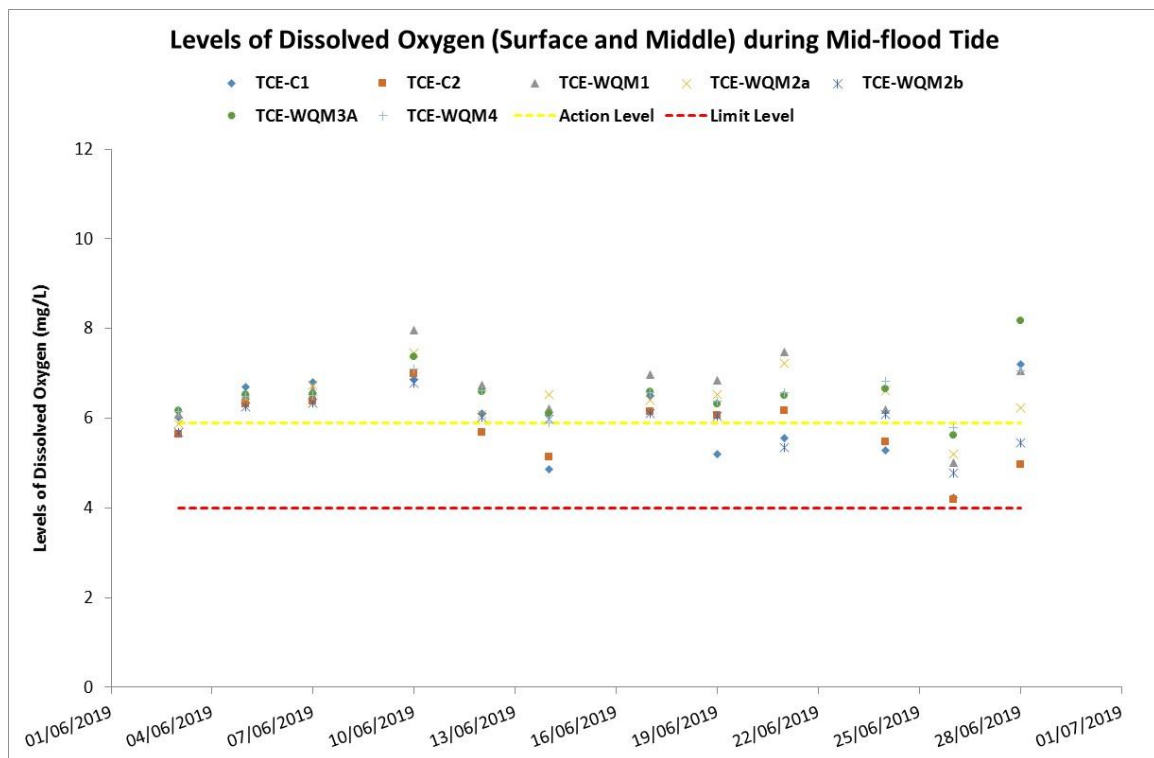


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 June 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: June 2019

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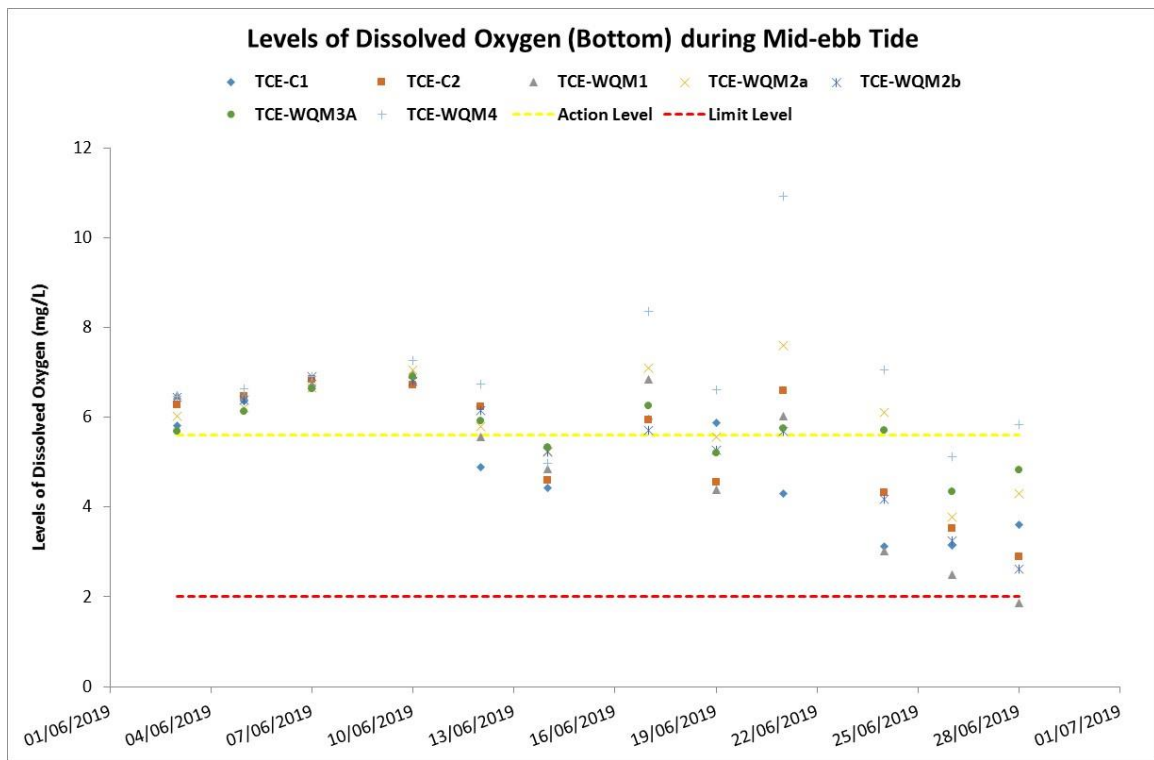


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 June 2019

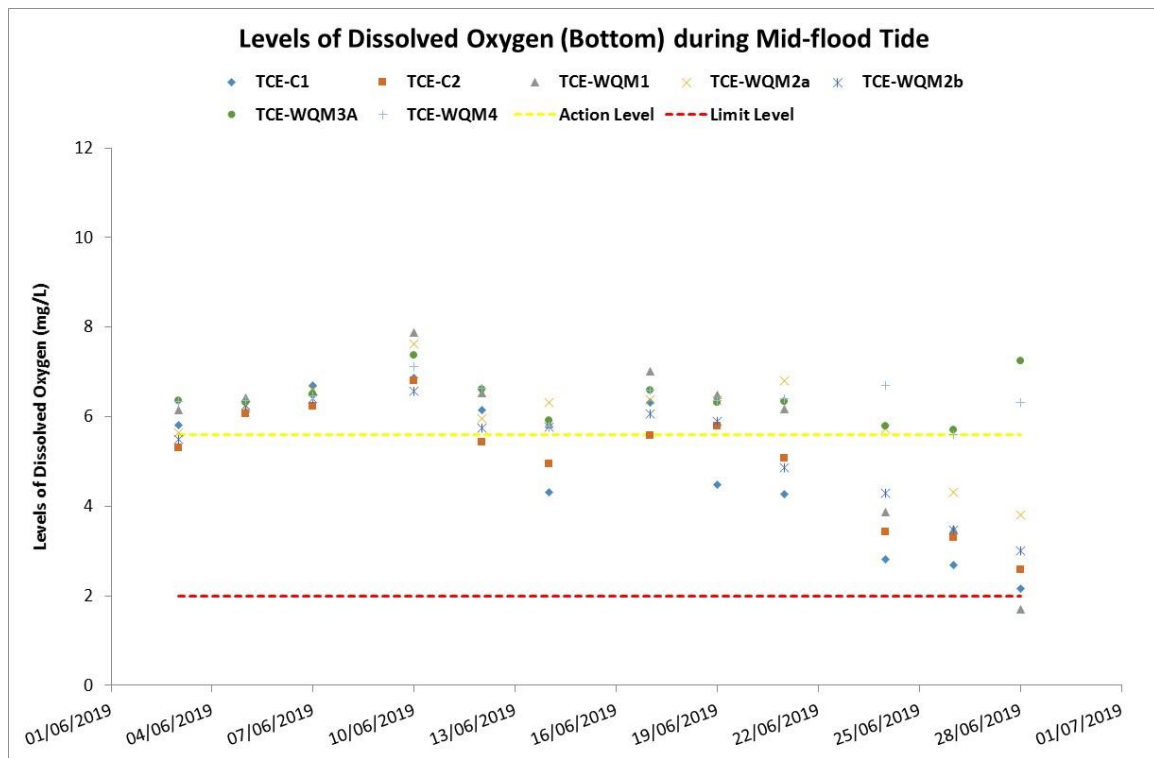


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 June 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: June 2019

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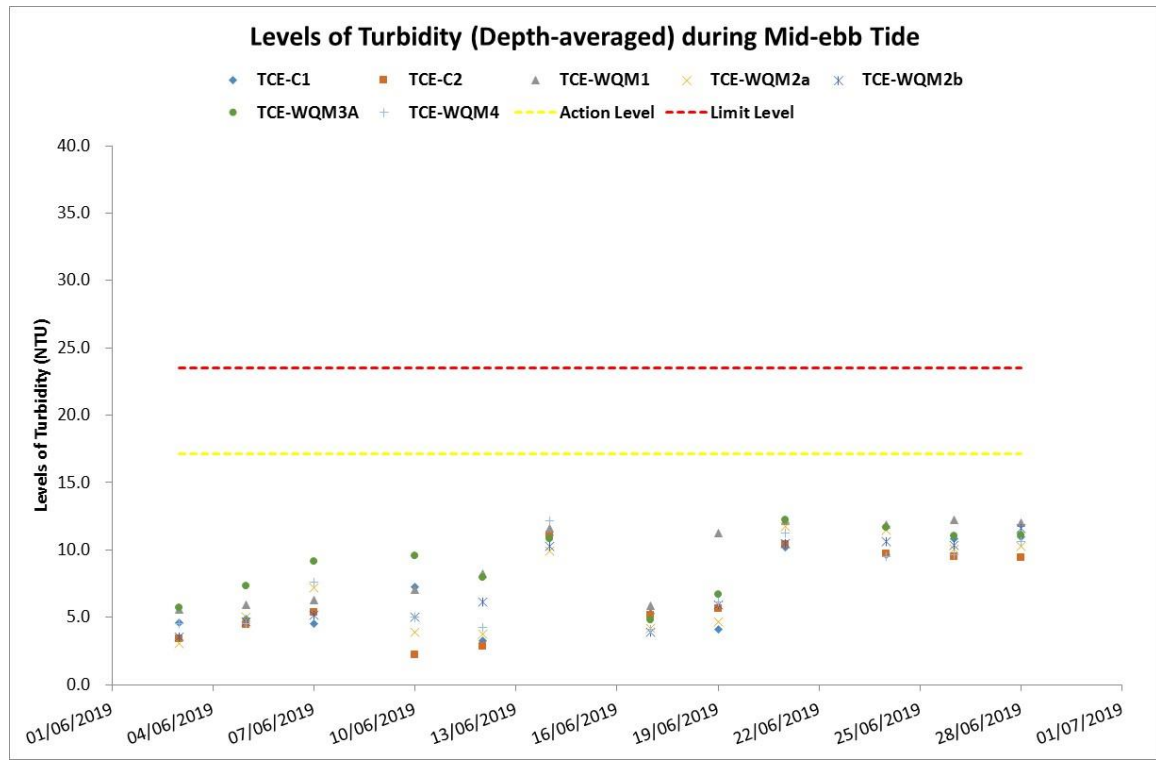


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 June 2019

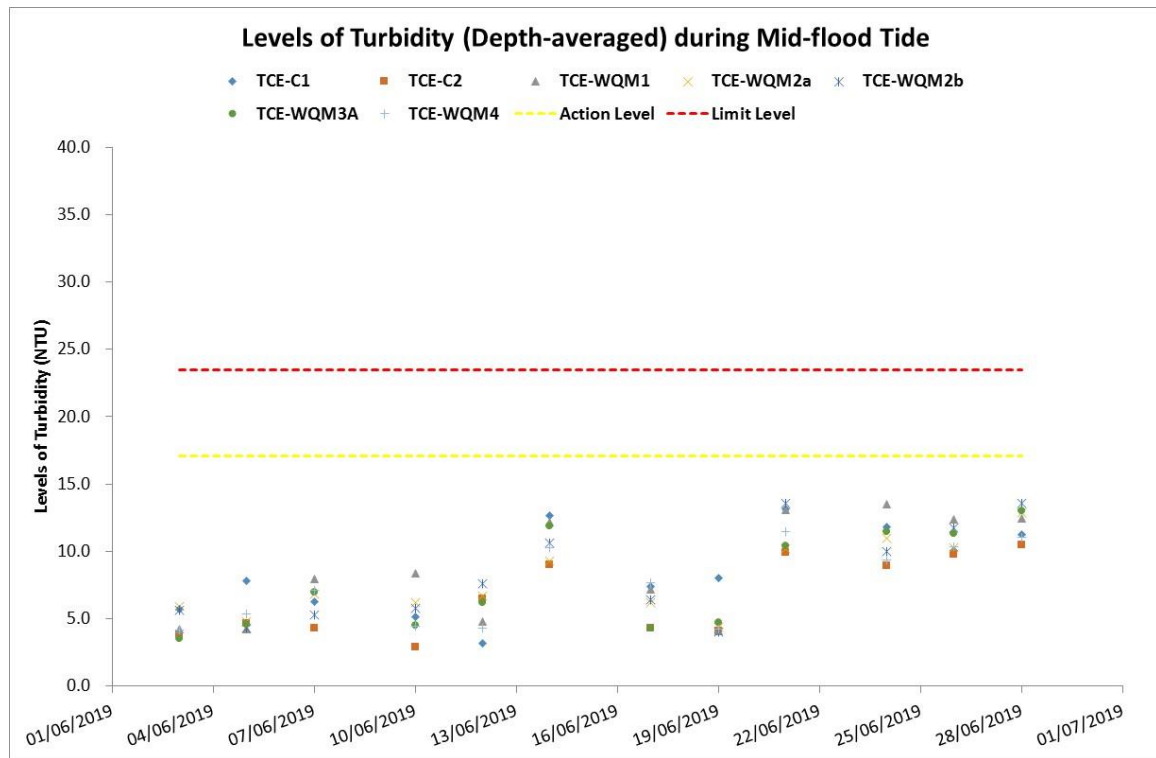


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 June 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung\JT\02_Deliverable\10 Monthly EM&A Report\
 Date: June 2019

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Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 June 2019

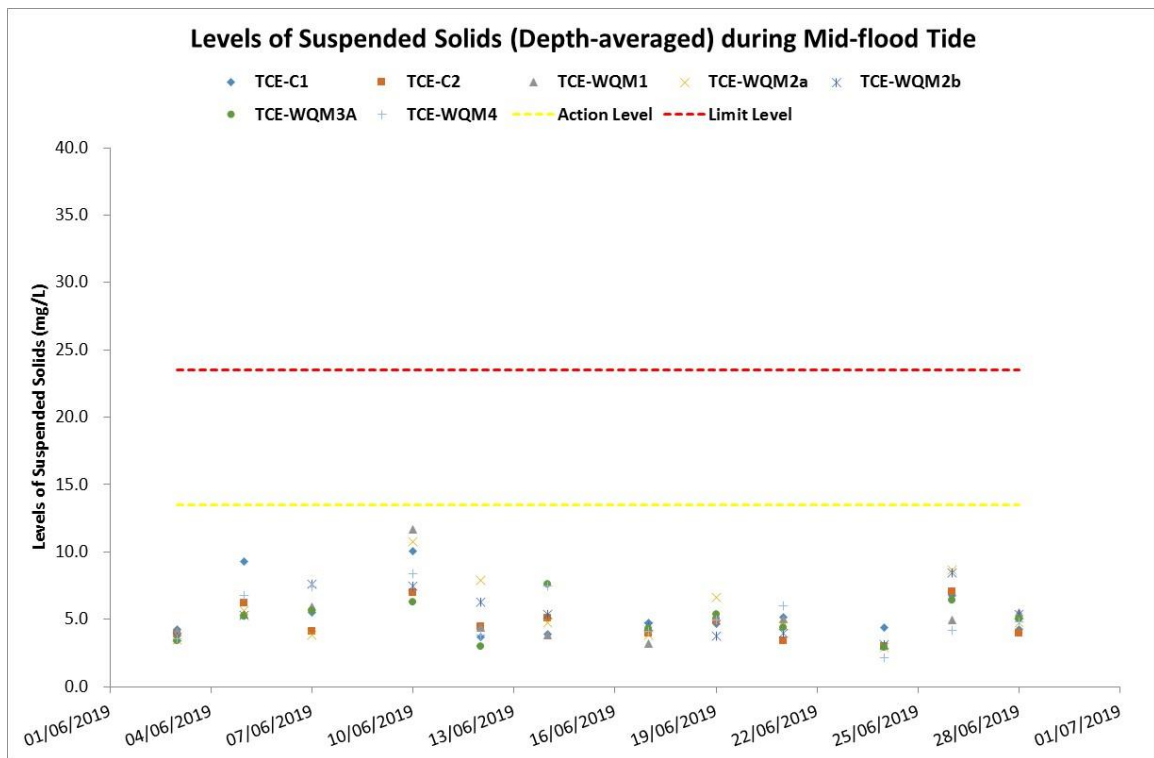


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 June 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: June 2019

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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)								
03-06-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	11:16	7.9	Surface	1.0	1	26.5	8.0	16.0	6.4	87.1	4.0	4.0	6.1	4.6	4.0								
									2	26.5	7.9	17.1	6.4	86.9	4.1	4.2											
							Middle	4.0	1	26.2	7.9	26.2	5.9	84.5	4.6	4.1											
									2	26.2	7.9	26.2	5.9	84.5	4.6	3.9											
							Bottom	6.9	1	26.1	7.9	28.7	5.8	84.1	5.2	3.8											
									2	26.1	7.9	28.8	5.8	84.3	5.2	3.8											
		TCE-C2	Cloudy	Moderate	13:12	11.4	Surface	1.0	1	27.1	7.9	16.1	6.2	85.3	3.3	4.1	6.2	3.4	5.6								
									2	27.1	7.9	16.1	6.2	85.3	3.4	4.7											
							Middle	5.7	1	27.1	7.9	16.1	6.2	85.4	3.5	4.0											
									2	27.1	7.9	16.1	6.2	85.5	3.5	4.6											
							Bottom	10.4	1	27.1	7.9	16.2	6.3	86.0	3.5	8.4											
									2	27.1	7.9	16.2	6.3	86.3	3.5	8.0											
	TCE-WQM1	Cloudy	Rough	12:06	8.5	Surface	1.0	1	27.2	8.0	15.3	6.5	89.9	5.7	3.2	6.4	5.6	3.8									
								2	27.2	8.0	15.3	6.5	89.7	5.8	4.0												
						Middle	4.3	1	27.0	8.0	15.5	6.4	87.6	5.4	3.8												
								2	27.0	8.0	15.5	6.4	87.5	5.6	4.0												
						Bottom	7.5	1	27.0	8.0	16.9	6.5	89.0	5.7	3.9												
								2	27.0	8.0	16.7	6.5	89.6	5.5	3.9												
	TCE-WQM2a	Cloudy	Moderate	12:39	6.3	Surface	1.0	1	27.1	7.9	17.9	6.1	84.0	2.9	3.8	6.0	3.1	4.0									
								2	27.1	7.9	17.9	6.1	84.0	2.9	3.9												
						Middle	3.2	1	27.0	7.9	18.6	6.0	83.0	3.1	4.0												
								2	26.9	7.9	18.7	6.0	82.9	3.1	4.2												
						Bottom	5.3	1	26.9	7.9	18.8	6.0	83.5	3.2	4.1												
								2	26.9	7.9	18.7	6.0	83.9	3.1	4.0												
TCE-WQM2b	Cloudy	Moderate	12:51	9.8	Surface	1.0	1	26.9	7.9	15.7	6.3	86.6	3.5	3.6	6.3	3.5	3.6										
							2	26.9	7.9	15.8	6.3	86.3	3.5	3.2													
					Middle	4.9	1	26.9	8.0	16.3	6.3	86.1	3.7	3.1													
							2	26.9	8.0	16.3	6.3	86.3	3.6	3.9													
					Bottom	8.8	1	26.9	8.0	16.0	6.4	87.9	3.5	3.4													
							2	26.9	8.0	15.9	6.5	88.6	3.4	4.5													
TCE-WQM3A	Cloudy	Moderate	12:29	3.5	Surface	1.0	1	27.1	7.9	17.4	5.7	78.9	5.6	4.5	5.7	5.7	4.3										
							2	27.1	7.9	17.3	5.7	79.0	5.6	3.9													
					Bottom	2.5	1	27.0	7.9	17.9	5.7	78.8	6.0	4.6													
							2	27.1	7.9	17.9	5.7	79.0	5.6	4.2													
					TCE-WQM4	Cloudy	Moderate	12:18	3.2	Surface	1.0	1	27.2	7.9				16.3	6.4	88.1	4.9	4.3	6.4	4.5	4.4		
												2	27.2	7.9				16.3	6.4	88.3	4.6	4.0					
Bottom	2.2	1	27.3	8.0						16.3	6.5	89.2	4.3	4.5													
		2	27.3	8.0						16.3	6.5	89.6	4.3	4.6													
03-06-2019	Mid-Flood	TCE-C1	Rainy	Rough						7:37	7.9	Surface	1.0	1	26.5	7.9	17.6	6.2	85.5	5.2	4.0	6.0				5.7	4.3
														2	26.4	7.9	17.0	6.3	85.0	5.1	4.2						
					Middle	4.0	1	26.1	7.9			28.4	5.8	83.8	5.3	4.7											
							2	26.1	7.9			28.4	5.8	83.8	5.3	4.1											
					Bottom	6.9	1	26.1	7.9			28.5	5.8	84.1	6.6	4.3											
							2	26.1	7.9			28.6	5.8	84.2	6.7	4.2											
		TCE-C2	Rainy	Rough	5:40	11.3	Surface	1.0	1	26.8	7.9	16.7	5.8	79.8	3.4	4.4	5.6	3.9	3.9								
									2	26.7	7.9	16.7	5.8	79.2	3.5	4.1											
							Middle	5.7	1	26.5	7.9	21.6	5.5	77.3	4.3	3.7											
									2	26.4	7.9	21.6	5.5	77.1	4.3	3.8											
							Bottom	10.3	1	26.0	7.9	27.5	5.3	76.4	3.9	3.9											
									2	26.0	7.9	27.5	5.3	76.4	4.0	3.5											
TCE-WQM1	Rainy	Moderate	6:51	8.7	Surface	1.0	1	27.0	7.8	16.8	6.1	84.3	3.3	3.9	6.1	4.2	4.1										
							2	27.0	7.8	17.0	6.1	84.0	3.7	4.0													
					Middle	4.4	1	27.1	7.8	17.5	6.1	84.2	4.6	4.3													
							2	27.1	7.8	17.6	6.1	84.4	4.6	3.9													
					Bottom	7.7	1	27.1	7.8	17.7	6.1	85.1	4.6	4.2													
							2	27.0	7.8	17.5	6.2	85.3	4.6	4.5													
TCE-WQM2a	Rainy	Rough	6:18	7.2	Surface	1.0	1	27.0	7.8	15.6	6.1	82.8	2.6	3.7	5.9	5.9	3.5										
							2	27.0	7.8	15.6	6.1	82.8	2.6	3.5													
					Middle	3.6	1	26.7	7.8	17.3	5.7	78.8	6.7	3.0													
							2	26.7	7.8	17.4	5.7	78.3	6.6	3.2													
					Bottom	6.2	1	26.6	7.8	20.5	5.6	78.7	8.6	4.0													
							2	26.6	7.8	20.6	5.7	79.4	8.5	3.3													
TCE-WQM2b	Rainy	Rough	6:04	10.1	Surface	1.0	1	26.8	7.8	16.3	5.9	80.4	2.8	4.0	5.7	5.6	3.7										
							2	26.8	7.8	16.3	5.8	79.6	2.8	4.0													
					Middle	5.1	1	26.6	7.8	19.9	5.5	77.1	6.4	3.1													
							2	26.6	7.8	20.0	5.5	77.0	6.2	3.3													
					Bottom	9.1	1	26.6	7.8	20.4	5.5	76.7	7.7	3.8													
							2	26.6	7.8	20.5	5.5	76.7	7.8	3.8													
TCE-WQM3A	Rainy	Moderate	6:29	3.2	Surface	1.0	1	27.0	7.8	15.4	6.2	84.4	3.5	3.7	6.2	3.5	3.4										
							2	27.0	7.8	15.4	6.2	84.6	3.5	3.5													
					Bottom	2.2	1	27.0	7.8	15.4	6.3	86.7	3.6	3.3													
							2	27.0	7.8	15.4	6.4	87.5	3.5	3.2													
					TCE-WQM4	Rainy	Moderate	6:40	3.2	Surface	1.0	1	27.0	7.8				16.6	6.2	84.7	4.1	2.9	6.2	4.1	3.6		
												2	27.0	7.8				16.7	6.2	85.0	4.1	2.9					
Bottom	2.2	1	27.0	7.8						16.7	6.3	86.9	4.2	4.2													
		2	27.0	7.8						16.7	6.4	87.7	4.2	4.5													

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)									
05-06-2019	Mid-Ebb	TCE-C1	Fine	Moderate	12:34	9.1	Surface	1.0	1	30.3	8.1	17.3	6.8	98.9	4.3	4.3	6.7	4.9	5.9									
									2	30.3	8.1	17.3	6.8	98.9	4.3	4.1												
							Middle	4.6	1	29.2	8.1	17.8	6.6	95.4	4.3	4.9												
									2	29.2	8.1	17.8	6.6	95.5	4.3	4.7												
							Bottom	8.1	1	28.3	8.1	23.3	6.4	92.8	6.1	8.4												
									2	28.3	8.1	23.3	6.4	92.8	6.0	8.8												
		TCE-C2	Sunny	Moderate	14:30	13.8	Surface	1.0	1	28.7	8.0	16.5	6.6	93.5	4.0	4.0	6.6	4.4	5.0									
									2	28.7	8.0	16.5	6.6	93.5	4.0	4.3												
							Middle	6.9	1	28.6	8.0	16.5	6.6	92.5	4.0	5.0												
									2	28.6	8.0	16.5	6.6	92.6	4.0	5.3												
							Bottom	12.8	1	28.2	8.0	17.4	6.5	91.1	5.3	5.9												
									2	28.1	8.0	17.4	6.5	91.2	5.3	5.6												
		TCE-WQM1	Sunny	Calm	13:24	8.5	Surface	1.0	1	28.8	8.0	17.4	6.6	94.1	5.7	6.1	6.6	6.0	6.4									
									2	28.8	8.0	17.4	6.6	94.1	5.7	5.7												
							Middle	4.3	1	28.4	8.0	17.3	6.6	93.1	5.3	5.7												
									2	28.3	8.0	17.3	6.6	93.0	5.3	6.1												
							Bottom	7.5	1	28.5	8.0	18.7	6.5	92.4	6.8	7.3												
									2	28.5	8.0	18.7	6.5	92.5	6.8	7.2												
		TCE-WQM2a	Sunny	Moderate	13:57	7.1	Surface	1.0	1	29.1	8.0	18.0	6.4	92.6	5.0	5.0	6.4	5.0	5.8									
									2	29.1	8.0	18.0	6.4	92.6	5.0	5.4												
							Middle	3.6	1	28.2	8.0	18.1	6.4	90.1	4.7	5.3												
									2	28.2	8.0	18.1	6.4	90.1	4.7	5.0												
							Bottom	6.1	1	27.8	8.0	19.5	6.2	88.3	5.3	7.0												
									2	27.8	8.0	19.5	6.2	88.3	5.3	7.1												
	TCE-WQM2b	Sunny	Moderate	14:09	12.0	Surface	1.0	1	28.7	8.0	17.1	6.4	91.6	4.1	4.7	6.4	4.7	5.6										
								2	28.7	8.0	17.1	6.4	91.6	4.2	5.1													
						Middle	6.0	1	28.6	8.0	17.1	6.4	90.7	4.4	5.0													
								2	28.6	8.0	17.1	6.4	90.7	4.3	4.7													
						Bottom	11.0	1	28.2	8.0	17.7	6.4	90.1	5.6	7.0													
								2	28.2	8.0	17.7	6.4	90.2	5.5	6.8													
	TCE-WQM3A	Sunny	Calm	13:46	4.8	Surface	1.0	1	28.4	8.0	16.6	6.3	88.3	5.7	6.7	6.3	7.3	9.4										
								2	28.4	8.0	16.6	6.3	88.3	5.7	7.2													
						Bottom	3.8	1	28.0	8.0	17.5	6.1	86.2	9.0	11.8													
								2	28.0	8.0	17.5	6.1	86.3	9.0	12.0													
						TCE-WQM4	Sunny	Calm	13:35	4.5	Surface	1.0	1	29.1	8.0				15.7	6.8	96.7	3.4	3.8	6.8	4.5	4.9		
													2	29.1	8.0				15.7	6.8	96.7	3.4	4.1					
	Bottom	3.5	1	28.4	8.0						16.7	6.6	93.7	5.6	5.7													
			2	28.4	8.0						16.7	6.6	93.7	5.6	5.9													
	05-06-2019	Mid-Flood	TCE-C1	Fine	Moderate						8:38	9.0	Surface	1.0	1	27.7	8.0	14.7	6.7	93.0	4.5	3.8	6.7				7.8	9.3
															2	27.7	8.0	14.7	6.7	93.0	4.5	4.1						
						Middle	4.5	1	27.7	8.1			14.8	6.6	91.6	4.5	5.1											
								2	27.7	8.1			14.8	6.6	91.6	4.5	4.7											
						Bottom	8.0	1	27.1	8.0			23.2	6.1	87.3	14.4	19.2											
								2	27.1	8.0			23.2	6.1	87.3	14.4	18.8											
			TCE-C2	Fine	Moderate	6:43	13.9	Surface	1.0	1	27.3	7.9	16.1	6.3	87.1	4.4	5.3	6.3	4.7	6.2								
										2	27.3	7.9	16.1	6.3	87.1	4.4	4.9											
								Middle	7.0	1	27.2	7.9	15.9	6.3	86.8	4.2	6.5											
										2	27.2	7.9	15.9	6.3	86.8	4.2	6.4											
Bottom								12.9	1	26.8	7.9	21.0	6.1	85.3	5.5	6.9												
									2	26.8	7.9	21.0	6.1	85.3	5.4	7.2												
TCE-WQM1			Fine	Calm	7:53	8.8	Surface	1.0	1	27.5	7.9	15.6	6.5	89.8	3.9	4.1	6.5	4.2	5.4									
									2	27.5	7.9	15.6	6.5	89.8	3.8	4.3												
							Middle	4.4	1	27.4	7.9	15.4	6.5	89.6	3.6	5.2												
									2	27.4	7.9	15.4	6.5	89.6	3.6	4.7												
							Bottom	7.8	1	27.4	7.9	15.9	6.4	88.8	5.2	7.2												
									2	27.4	7.9	15.9	6.4	88.9	5.3	6.6												
TCE-WQM2a			Fine	Moderate	7:19	7.3	Surface	1.0	1	27.4	7.9	15.4	6.5	89.2	4.0	4.8	6.4	4.8	5.6									
									2	27.4	7.9	15.4	6.5	89.2	4.0	4.5												
							Middle	3.7	1	27.4	7.9	15.5	6.4	88.4	4.2	5.3												
									2	27.4	7.9	15.5	6.4	88.4	4.2	4.8												
							Bottom	6.3	1	27.2	7.9	17.5	6.2	86.4	6.2	7.4												
									2	27.2	7.9	17.5	6.2	86.6	6.3	7.0												
TCE-WQM2b	Fine	Moderate	7:06	11.3	Surface	1.0	1	27.5	7.9	15.7	6.3	86.9	4.1	5.2	6.3	4.3	5.3											
							2	27.5	7.9	15.7	6.3	86.9	4.1	5.4														
					Middle	5.7	1	27.3	7.9	15.7	6.2	85.8	4.0	4.6														
							2	27.3	7.9	15.7	6.2	85.8	4.0	5.0														
					Bottom	10.3	1	27.3	7.9	16.7	6.3	86.6	4.7	5.8														
							2	27.3	7.9	16.7	6.3	86.6	4.7	5.6														
TCE-WQM3A	Fine	Calm	7:30	4.4	Surface	1.0	1	27.4	7.9	15.1	6.5	89.8	3.8	4.8	6.5	4.6	5.3											
							2	27.4	7.9	15.1	6.5	89.8	3.8	4.1														
					Bottom	3.4	1	27.4	7.9	15.8	6.3	87.2	5.3	6.3														
							2	27.4	7.9	15.8	6.3	87.2	5.3	5.8														
					TCE-WQM4	Fine	Calm	7:42	4.2	Surface	1.0	1	27.3	7.9				15.0	6.5	88.9	4.1	5.7	6.5	5.3	6.8			
												2	27.3	7.9				15.0	6.5	88.9	4.1	5.9						
Bottom	3.2	1	27.3	7.9						15.8	6.4	87.6	6.6	7.6														
		2	27.3	7.9						15.8	6.4	87.6	6.5	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)						
07-06-2019	Mid-Ebb	TCE-C1	Fine	Moderate	14:08	7.6	Surface	1.0	1	29.2	8.0	16.5	7.0	99.8	4.6	5.3	7.0	4.6	5.0						
									2	29.2	8.0	16.5	7.0	99.8	4.5	5.5									
							Middle	3.8	1	29.2	8.0	17.1	6.9	99.6	4.6	5.0									
									2	29.2	8.0	17.1	6.9	99.5	4.6	4.7									
							Bottom	6.6	1	29.1	7.9	17.9	6.7	96.3	4.5	4.6									
									2	29.1	7.9	17.9	6.7	96.3	4.5	4.8									
		TCE-C2	Fine	Moderate	16:00	12.9	Surface	1.0	1	28.9	8.1	14.6	7.0	99.0	4.1	3.2	7.0	5.4	4.8						
									2	28.9	8.1	14.6	7.0	99.0	4.2	3.4									
							Middle	6.5	1	28.8	8.1	14.5	7.0	98.8	6.1	3.9									
									2	28.8	8.1	14.5	7.0	98.8	6.1	4.3									
							Bottom	11.9	1	29.0	8.1	15.1	6.9	97.0	6.0	6.9									
									2	29.2	8.1	15.1	6.8	97.0	5.9	7.3									
	TCE-WQM1	Fine	Moderate	14:52	7.8	Surface	1.0	1	29.5	8.0	16.8	6.8	97.3	6.5	6.2	6.7	6.3	6.3							
								2	29.5	8.0	16.8	6.8	97.2	6.5	6.1										
						Middle	3.9	1	29.6	8.0	17.0	6.7	97.1	6.5	5.9										
								2	29.6	8.0	17.0	6.7	97.1	6.5	5.8										
						Bottom	6.8	1	29.7	8.0	17.2	6.7	97.2	5.9	7.0										
								2	29.7	8.0	17.2	6.7	97.4	5.9	6.8										
	TCE-WQM2a	Fine	Moderate	15:26	7.5	Surface	1.0	1	29.0	8.0	17.4	6.8	97.3	5.7	5.0	6.8	7.2	6.0							
								2	29.0	8.0	17.4	6.8	97.3	5.7	4.6										
						Middle	3.8	1	28.5	8.0	17.7	6.8	96.0	6.1	6.1										
								2	28.5	8.0	17.7	6.8	96.0	7.3	6.1										
						Bottom	6.5	1	28.7	8.0	18.1	6.7	94.9	9.2	7.0										
								2	28.6	8.0	18.1	6.7	95.1	9.4	7.2										
TCE-WQM2b	Fine	Moderate	15:39	10.1	Surface	1.0	1	28.7	8.0	14.7	7.0	98.4	4.5	4.7	7.0	5.2	5.4								
							2	28.7	8.0	14.7	7.0	98.3	4.7	5.0											
					Middle	5.1	1	28.4	8.0	14.5	7.0	97.8	5.2	4.9											
							2	28.4	8.0	14.5	7.0	97.8	5.3	5.1											
					Bottom	9.1	1	28.6	8.1	15.8	6.9	97.2	5.7	6.4											
							2	28.6	8.1	15.8	6.9	97.3	5.7	6.3											
TCE-WQM3A	Fine	Calm	15:16	4.1	Surface	1.0	1	28.9	8.0	16.2	6.9	97.6	7.4	7.2	6.9	9.2	8.3								
							2	28.9	8.0	16.2	6.9	97.2	7.3	6.6											
					Bottom	3.1	1	28.7	8.0	17.1	6.6	94.5	11.1	9.7											
							2	28.7	8.0	17.1	6.6	94.5	10.9	9.8											
TCE-WQM4	Fine	Calm	15:05	3.4	Surface	1.0	1	29.5	8.1	16.1	7.2	103.5	4.8	5.3	7.2	7.6	8.2								
							2	29.5	8.1	16.1	7.2	103.3	4.9	5.3											
					Bottom	2.4	1	29.5	8.0	17.0	6.9	99.3	10.4	11.2											
							2	29.5	8.0	17.0	6.9	99.3	10.4	11.0											
07-06-2019	Mid-Flood	TCE-C1	Sunny	Moderate	10:17	8.1	Surface	1.0	1	28.4	8.1	13.9	6.9	95.2	5.2	4.3	6.8	6.3	5.5						
									2	28.4	8.1	13.9	6.9	95.1	5.3	3.9									
							Middle	4.1	1	28.3	8.1	17.1	6.8	95.4	5.5	5.2									
									2	28.3	8.1	17.1	6.8	95.5	5.4	5.6									
							Bottom	7.1	1	27.7	8.1	17.8	6.7	93.9	8.0	7.2									
									2	27.7	8.1	17.8	6.7	94.2	8.1	7.0									
		TCE-C2	Sunny	Moderate	8:01	12.7	Surface	1.0	1	27.9	7.7	14.1	6.4	88.4	4.5	3.0	6.4	4.3	4.1						
									2	27.9	7.7	14.1	6.4	88.5	4.6	3.1									
							Middle	6.4	1	27.9	7.7	15.4	6.4	88.3	4.3	4.5									
									2	27.9	7.7	15.4	6.4	88.3	4.5	4.5									
							Bottom	11.7	1	27.8	7.7	17.2	6.2	87.2	4.1	4.8									
									2	27.8	7.7	17.2	6.2	87.2	4.1	4.6									
		TCE-WQM1	Sunny	Calm	9:15	7.6	Surface	1.0	1	28.4	8.0	16.1	6.7	93.8	5.3	5.0	6.6	7.9	6.0						
									2	28.4	8.0	16.1	6.7	93.6	5.4	5.2									
							Middle	3.8	1	28.1	8.0	16.6	6.6	92.9	10.0	6.1									
									2	28.1	8.0	16.6	6.6	93.0	10.1	5.9									
							Bottom	6.6	1	28.2	8.0	16.8	6.6	92.3	8.5	6.6									
									2	28.2	8.0	16.8	6.6	92.6	8.4	6.9									
		TCE-WQM2a	Sunny	Moderate	8:40	7.8	Surface	1.0	1	28.1	8.0	14.6	6.7	93.2	4.3	3.4	6.7	6.8	3.9						
									2	28.1	8.0	14.6	6.7	93.2	4.3	3.1									
							Middle	3.9	1	28.1	8.0	14.8	6.7	93.5	6.4	3.7									
									2	28.1	8.0	14.8	6.8	93.8	6.4	4.1									
							Bottom	6.8	1	28.0	8.0	16.3	6.6	92.1	9.7	4.3									
									2	28.0	8.0	16.3	6.6	92.4	9.8	4.5									
		TCE-WQM2b	Sunny	Moderate	8:26	10.3	Surface	1.0	1	28.1	7.9	14.3	6.4	88.5	4.4	4.1	6.3	5.3	7.6						
									2	28.1	7.9	14.3	6.4	88.5	4.5	3.8									
							Middle	5.2	1	27.8	7.9	16.6	6.3	87.9	5.1	8.6									
									2	27.8	7.9	16.6	6.3	88.1	5.1	9.1									
							Bottom	9.3	1	28.0	7.9	16.7	6.4	89.7	6.3	10.3									
									2	27.9	7.9	16.7	6.4	89.8	6.3	9.9									
		TCE-WQM3A	Sunny	Calm	8:51	3.9	Surface	1.0	1	28.0	7.9	14.6	6.5	90.7	5.5	4.8	6.5	7.0	5.7						
									2	28.0	7.9	14.6	6.5	90.6	5.7	4.5									
							Bottom	2.9	1	28.1	7.9	15.1	6.5	90.6	8.2	6.5									
									2	28.1	7.9	15.1	6.5	90.7	8.5	6.8									
TCE-WQM4	Sunny	Calm	9:02	3.6	Surface	1.0	1	28.1	8.0	15.0	6.5	90.5	5.1	5.6	6.5	7.1	7.4								
							2	28.1	8.0	15.0	6.5	90.5	5.1	5.8											
					Bottom	2.6	1	28.1	7.9	16.2	6.5	90.3	9.1	8.9											
							2	28.1	7.9	16.2	6.5	90.4	9.3	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)
10-06-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	8:25	7.9	Surface	1.0	1	28.5	7.9	13.8	6.9	95.6	6.3	10.4	6.9	7.2	11.2
									2	28.5	7.9	13.8	6.9	95.6	6.3	10.0			
							Middle	4.0	1	28.5	7.9	13.8	6.9	95.8	6.3	10.9			
									2	28.5	7.9	13.8	6.9	95.9	6.2	11.3			
							Bottom	6.9	1	28.5	7.9	14.3	6.8	94.3	9.1	12.0			
									2	28.5	7.9	14.3	6.8	94.3	9.2	12.3			
		TCE-C2	Cloudy	Moderate	6:14	12.7	Surface	1.0	1	28.6	8.0	14.4	6.8	95.2	2.2	5.6	6.8	2.2	6.1
									2	28.6	8.0	14.4	6.8	95.2	2.3	5.9			
							Middle	6.4	1	28.6	8.0	14.5	6.8	95.0	2.3	5.8			
									2	28.6	8.0	14.5	6.8	94.9	2.3	5.6			
							Bottom	11.7	1	28.6	8.0	15.2	6.7	94.5	2.0	6.5			
									2	28.6	8.0	15.2	6.7	94.5	2.0	6.9			
	TCE-WQM1	Cloudy	Calm	7:34	8.1	Surface	1.0	1	28.5	8.0	15.0	6.9	97.1	6.2	7.8	6.9	7.0	9.0	
								2	28.5	8.0	15.0	6.9	97.1	6.7	7.5				
						Middle	4.1	1	28.5	8.0	15.0	6.9	97.0	6.9	8.9				
								2	28.5	8.0	15.0	6.9	97.0	6.9	9.0				
						Bottom	7.1	1	28.6	7.9	16.1	7.0	98.2	7.8	10.6				
								2	28.6	7.9	16.1	7.0	98.1	7.8	10.3				
	TCE-WQM2a	Cloudy	Moderate	6:59	7.2	Surface	1.0	1	28.5	8.0	16.4	7.0	98.6	3.8	5.9	7.0	3.9	6.5	
								2	28.5	8.0	16.4	7.0	98.6	3.8	5.6				
						Middle	3.6	1	28.6	8.0	16.7	7.1	100.1	3.9	6.0				
								2	28.6	8.0	16.7	7.1	100.1	3.9	5.5				
						Bottom	6.2	1	28.7	7.9	16.6	7.1	100.0	3.8	7.8				
								2	28.7	7.9	16.6	7.1	100.0	4.0	8.3				
TCE-WQM2b	Cloudy	Moderate	6:46	10.5	Surface	1.0	1	28.8	8.0	10.1	6.9	94.0	4.0	7.0	6.8	5.0	9.1		
							2	28.8	8.0	10.1	6.9	94.0	4.0	6.9					
					Middle	5.3	1	28.8	8.0	12.5	6.8	94.7	6.5	9.1					
							2	28.8	8.0	12.5	6.8	94.9	6.5	9.4					
					Bottom	9.5	1	28.8	8.1	12.7	6.8	94.5	4.4	11.0					
							2	28.8	8.1	12.7	6.8	94.6	4.6	11.2					
TCE-WQM3A	Cloudy	Moderate	7:11	3.8	Surface	1.0	1	28.6	8.0	15.9	7.0	98.7	9.2	12.2	7.0	9.6	13.3		
							2	28.6	8.0	15.9	7.0	98.7	9.4	11.9					
					Bottom	2.8	1	28.7	7.9	15.8	6.9	97.6	9.6	14.4					
							2	28.7	7.9	15.8	6.9	97.4	10.0	14.7					
							1	28.6	8.0	15.2	7.2	100.3	2.9	7.2					
							2	28.6	8.0	15.2	7.2	100.3	3.0	7.0					
TCE-WQM4	Cloudy	Calm	7:22	3.2	Surface	1.0	1	28.6	8.0	15.2	7.2	100.3	2.9	7.2	7.2	5.0	8.4		
							2	28.6	8.0	15.2	7.2	100.3	3.0	7.0					
					Bottom	2.2	1	28.7	7.9	15.5	7.3	102.4	7.2	9.8					
							2	28.6	7.9	15.5	7.3	102.2	6.9	9.5					
							1	28.8	8.0	13.7	6.9	96.1	5.1	9.6					
							2	28.8	8.0	13.7	6.9	96.1	5.3	9.9					
10-06-2019	Mid-Flood	TCE-C1	Cloudy	Rough	10:17	8.1	Surface	1.0	1	28.8	8.0	13.7	6.9	96.1	5.1	9.6	6.9	5.1	10.0
									2	28.8	8.0	13.7	6.9	96.1	5.5	10.0			
							Middle	4.1	1	28.9	8.0	13.7	6.9	96.1	5.5	10.0			
									2	28.9	8.0	13.7	6.9	96.3	4.8	10.3			
							Bottom	7.1	1	29.1	8.0	13.8	6.9	96.3	4.7	10.1			
									2	29.0	8.0	13.8	6.9	96.3	4.7	10.1			
		TCE-C2	Cloudy	Rough	12:19	12.9	Surface	1.0	1	28.8	8.0	14.1	7.1	99.0	3.7	6.6	7.0	2.9	7.0
									2	28.8	8.0	14.1	7.1	98.8	3.8	6.9			
							Middle	6.5	1	28.8	8.0	14.2	6.9	97.1	2.8	7.2			
									2	28.8	8.0	14.2	6.9	96.7	2.8	6.9			
							Bottom	11.9	1	28.8	8.0	15.3	6.8	96.1	2.2	7.4			
									2	28.8	8.0	15.3	6.8	96.1	2.2	7.0			
	TCE-WQM1	Cloudy	Moderate	11:04	7.8	Surface	1.0	1	29.0	8.2	16.4	8.0	113.6	9.3	11.1	8.0	8.4	11.7	
								2	29.0	8.2	16.4	8.0	113.6	9.2	11.4				
						Middle	3.9	1	29.0	8.2	16.4	8.0	113.1	8.5	11.6				
								2	29.0	8.2	16.4	7.9	112.9	8.5	12.1				
						Bottom	6.8	1	29.1	8.2	16.5	7.9	112.3	7.3	11.6				
								2	29.1	8.2	16.5	7.9	112.3	7.3	12.3				
	TCE-WQM2a	Cloudy	Moderate	11:39	7.1	Surface	1.0	1	29.1	8.1	14.3	7.5	105.4	6.3	9.5	7.4	6.2	10.8	
								2	29.1	8.1	14.3	7.5	105.4	6.3	9.8				
						Middle	3.6	1	29.1	8.1	14.2	7.4	104.5	6.4	11.0				
								2	29.2	8.1	14.2	7.4	104.5	6.6	10.6				
						Bottom	6.1	1	29.8	8.1	14.0	7.6	108.3	5.7	11.7				
								2	29.7	8.1	14.1	7.6	108.4	5.8	11.9				
TCE-WQM2b	Cloudy	Rough	11:51	10.7	Surface	1.0	1	28.8	8.0	14.2	6.8	95.7	3.7	6.7	6.8	5.7	7.5		
							2	28.8	8.0	14.2	6.8	95.6	3.8	7.3					
					Middle	5.4	1	28.8	8.0	14.5	6.8	95.1	9.5	7.5					
							2	28.8	8.0	14.5	6.7	94.6	9.6	7.6					
					Bottom	9.7	1	28.7	8.0	16.2	6.6	92.7	3.9	7.6					
							2	28.7	8.0	16.2	6.6	92.8	4.0	8.0					
TCE-WQM3A	Cloudy	Calm	11:28	3.9	Surface	1.0	1	29.2	8.1	14.1	7.4	104.0	5.4	5.2	7.4	4.5	6.3		
							2	29.3	8.1	14.1	7.4	104.0	5.3	5.5					
					Bottom	2.9	1	29.3	8.1	14.1	7.4	104.0	3.8	7.4					
							2	29.3	8.1	14.1	7.4	104.0	3.7	7.1					
							1	29.0	8.0	14.3	7.1	99.7	4.4	8.0					
							2	29.0	8.0	14.3	7.1	99.8	4.4	7.7					
TCE-WQM4	Cloudy	Calm	11:16	3.4	Surface	1.0	1	29.0	8.0	14.3	7.1	99.7	4.4	8.0	7.1	4.4	8.4		
							2	29.0	8.0	14.3	7.1	99.8	4.4	7.7					
					Bottom	2.4	1	29.1	8.0	14.2	7.1	100.2	4.4	8.7					
							2	29.1	8.0	14.2	7.1	100.2	4.4	8.7					
							1	29.1	8.0	14.2	7.1	100.2	4.5	9.1					
							2	29.1	8.0	14.2	7.1	100.2	4.5	9.1					

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)								
12-06-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:32	8.8	Surface	1.0	1	28.1	8.0	17.5	5.9	83.7	4.2	3.8	5.7	3.2	4.1								
									2	28.1	8.0	17.5	5.9	83.5	4.2	4.3											
							Middle	4.4	1	27.8	8.0	18.5	5.5	77.6	3.0	4.3											
									2	27.8	8.0	18.5	5.5	77.2	3.0	3.8											
							Bottom	7.8	1	27.6	8.0	23.9	4.9	70.8	2.6	4.3											
									2	27.6	8.0	23.9	4.9	71.0	2.5	4.2											
		TCE-C2	Cloudy	Moderate	8:27	12.6	Surface	1.0	1	28.0	7.9	14.6	6.4	88.2	2.8	2.9	6.3	2.8	3.9								
									2	28.0	7.9	14.6	6.4	88.0	2.8	3.3											
							Middle	6.3	1	28.0	7.9	16.6	6.2	87.3	3.1	3.5											
									2	28.0	7.9	16.6	6.2	87.3	3.1	3.8											
							Bottom	11.6	1	28.0	7.9	17.0	6.2	87.5	2.6	4.7											
									2	28.0	7.9	17.0	6.2	87.6	2.6	5.3											
	TCE-WQM1	Cloudy	Moderate	9:48	8.2	Surface	1.0	1	28.1	7.9	15.6	6.1	85.0	7.5	5.7	5.8	8.3	8.6									
								2	28.1	7.9	15.6	6.1	84.6	7.9	5.8												
						Middle	4.1	1	28.0	7.9	16.9	5.6	78.9	7.8	7.8												
								2	28.0	7.9	17.0	5.6	78.7	8.1	8.2												
						Bottom	7.2	1	27.9	7.9	18.9	5.6	78.7	9.1	11.7												
								2	27.9	7.9	18.9	5.6	78.8	9.1	12.1												
	TCE-WQM2a	Cloudy	Moderate	9:14	7.6	Surface	1.0	1	28.0	8.0	16.2	6.3	88.1	4.8	5.0	6.2	3.7	5.9									
								2	28.0	8.0	16.2	6.3	88.1	4.8	5.2												
						Middle	3.8	1	27.8	8.0	17.0	6.2	86.7	3.5	5.7												
								2	27.7	8.0	17.0	6.2	86.2	3.4	5.9												
						Bottom	6.6	1	27.6	7.9	21.1	5.8	82.7	3.0	7.0												
								2	27.6	7.9	21.1	5.8	82.8	3.0	6.6												
TCE-WQM2b	Cloudy	Moderate	9:01	10.4	Surface	1.0	1	28.4	7.9	12.0	6.3	86.0	6.1	4.8	6.2	6.1	5.0										
							2	28.4	7.9	12.0	6.2	85.7	6.5	4.6													
					Middle	5.2	1	28.4	7.9	14.9	6.1	85.0	5.0	5.0													
							2	28.4	7.9	14.9	6.1	85.1	5.3	5.2													
					Bottom	9.4	1	28.5	7.9	14.2	6.1	85.5	6.9	5.1													
							2	28.5	7.9	14.2	6.2	85.6	6.9	5.0													
TCE-WQM3A	Cloudy	Moderate	9:25	4.2	Surface	1.0	1	27.9	7.9	16.7	6.0	83.3	6.0	6.6	5.9	8.0	7.5										
							2	27.9	7.9	16.7	5.9	83.2	6.2	7.0													
					Bottom	3.2	1	27.9	7.9	19.7	5.9	83.9	9.8	8.2													
							2	27.9	7.9	19.7	5.9	84.2	9.8	8.1													
					TCE-WQM4	Cloudy	Moderate	9:36	3.3	Surface	1.0	1	28.4	8.0				14.8	6.7	93.7	5.5	6.2	6.7	4.3	6.5		
												2	28.4	8.0				14.8	6.7	93.7	5.4	6.0					
Bottom	2.3	1	28.4	8.0						14.8	6.7	94.1	3.1	6.6													
		2	28.4	8.0						14.8	6.7	94.1	3.1	7.1													
12-06-2019	Mid-Flood	TCE-C1	Fine	Moderate						13:24	8.8	Surface	1.0	1	28.7	7.9	14.8	6.1	85.5	3.2	2.8	6.1				3.2	3.7
														2	28.7	7.9	14.8	6.1	85.5	3.1	3.1						
					Middle	4.4	1	28.9	7.9			14.8	6.1	86.4	3.0	3.7											
							2	28.9	7.9			14.8	6.1	86.4	3.1	4.1											
					Bottom	7.8	1	29.0	7.9			15.0	6.1	86.6	3.3	4.4											
							2	29.0	7.9			15.0	6.1	86.7	3.3	4.1											
		TCE-C2	Rainy	Moderate	15:45	12.6	Surface	1.0	1	27.8	7.9	20.2	5.9	84.2	8.4	4.2	5.7	6.5	4.5								
									2	27.7	7.9	20.2	5.9	83.9	8.4	3.9											
							Middle	6.3	1	27.3	7.9	21.6	5.5	77.9	5.3	4.1											
									2	27.3	7.9	21.4	5.5	77.8	5.6	4.3											
							Bottom	11.6	1	27.2	7.9	24.1	5.4	78.1	5.4	5.1											
									2	27.3	7.9	24.1	5.4	78.4	5.8	5.3											
TCE-WQM1	Cloudy	Moderate	14:30	8.1	Surface	1.0	1	29.2	8.0	14.8	6.9	98.1	4.4	3.4	6.7	4.8	4.4										
							2	29.2	8.0	14.8	6.9	97.8	4.8	2.9													
					Middle	4.1	1	29.2	8.0	15.0	6.6	92.9	4.5	4.2													
							2	29.2	8.0	15.0	6.5	92.7	4.8	3.7													
					Bottom	7.1	1	29.2	8.0	16.1	6.5	92.9	5.1	6.2													
							2	29.2	8.0	16.1	6.5	93.0	5.0	5.9													
TCE-WQM2a	Cloudy	Moderate	15:04	7.6	Surface	1.0	1	28.3	7.9	18.3	6.3	89.0	6.5	8.6	6.1	6.7	7.9										
							2	28.3	7.9	18.3	6.3	89.0	6.5	8.4													
					Middle	3.8	1	28.2	7.9	19.4	5.9	84.6	6.2	9.1													
							2	28.2	7.9	19.4	5.9	84.6	6.2	8.9													
					Bottom	6.6	1	28.2	7.9	20.2	6.0	85.4	7.2	6.3													
							2	28.2	7.9	20.2	6.0	85.6	7.7	6.2													
TCE-WQM2b	Rainy	Moderate	15:16	10.8	Surface	1.0	1	28.2	7.9	17.8	6.3	88.7	7.0	4.3	6.0	7.6	6.3										
							2	28.1	7.9	17.8	6.2	87.9	7.6	3.4													
					Middle	5.4	1	28.0	7.9	19.4	5.8	82.5	7.3	5.7													
							2	28.0	7.9	19.4	5.8	82.4	7.5	6.0													
					Bottom	9.8	1	28.0	7.9	21.6	5.7	82.8	8.0	9.2													
							2	28.0	7.9	21.6	5.8	83.0	8.1	9.2													
TCE-WQM3A	Cloudy	Moderate	14:53	4.1	Surface	1.0	1	28.9	8.0	16.9	6.6	94.1	6.0	2.8	6.6	6.2	3.0										
							2	28.9	8.0	16.9	6.6	94.1	6.7	3.2													
					Bottom	3.1	1	29.0	8.0	17.5	6.6	94.7	6.0	2.7													
							2	29.0	8.0	17.5	6.6	95.0	6.0	3.1													
					TCE-WQM4	Cloudy	Moderate	14:42	3.2	Surface	1.0	1	29.1	8.0				16.8	6.6	94.5	4.1	3.5	6.6	4.3	3.9		
												2	29.1	8.0				16.8	6.6	94.5	4.2	3.8					
Bottom	2.2	1	29.2	8.0						17.0	6.6	94.9	5.0	4.0													
		2	29.2	8.0						17.0	6.6	95.0	4.1	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)								
14-06-2019	Mid-Ebb	TCE-C1	Fine	Moderate	12:38	7.4	Surface	1.0	1	28.4	7.9	13.6	4.9	68.4	10.7	3.8	4.7	11.1	4.6								
									2	28.4	7.9	13.8	4.9	68.3	10.7	3.8											
							Middle	3.7	1	27.8	7.9	17.0	4.5	63.0	11.0	4.6											
									2	27.8	7.9	17.0	4.5	63.0	11.0	4.8											
							Bottom	6.4	1	27.8	7.9	18.0	4.4	62.1	11.7	5.4											
									2	27.8	7.9	18.0	4.4	62.1	11.4	4.9											
		TCE-C2	Fine	Moderate	10:28	12.2	Surface	1.0	1	27.8	7.8	12.4	5.3	72.8	10.6	5.1	5.2	11.1	5.8								
									2	27.8	7.9	12.4	5.3	72.6	10.6	5.4											
							Middle	6.1	1	27.6	7.9	15.6	5.1	70.0	11.3	6.2											
									2	27.6	7.9	15.6	5.1	70.0	11.3	5.8											
							Bottom	11.2	1	27.2	7.9	21.1	4.6	65.1	11.5	5.9											
									2	27.2	7.9	21.2	4.6	65.1	11.5	6.2											
	TCE-WQM1	Fine	Calm	11:50	8.2	Surface	1.0	1	28.2	7.9	14.8	5.4	75.0	9.9	2.6	5.3	11.6	5.1									
								2	28.2	7.9	14.8	5.4	74.8	9.9	2.9												
						Middle	4.1	1	27.9	7.9	16.8	5.2	72.1	11.2	4.9												
								2	27.9	7.9	16.8	5.1	71.9	11.3	4.9												
						Bottom	7.2	1	27.6	7.8	18.2	4.9	68.2	13.7	7.8												
								2	27.6	7.8	18.2	4.9	68.1	13.7	7.7												
	TCE-WQM2a	Fine	Moderate	11:12	6.5	Surface	1.0	1	28.2	7.9	15.4	5.6	78.4	9.7	4.9	5.5	9.9	5.6									
								2	28.2	7.9	15.4	5.6	78.4	9.7	4.6												
						Middle	3.3	1	28.1	7.8	15.5	5.4	75.6	10.2	6.0												
								2	28.1	7.8	15.5	5.4	75.5	9.5	6.3												
						Bottom	5.5	1	27.9	7.8	17.3	5.2	73.5	10.1	5.7												
								2	27.9	7.8	17.3	5.2	73.4	10.1	5.8												
TCE-WQM2b	Fine	Moderate	11:00	10.5	Surface	1.0	1	28.1	7.7	10.4	5.7	77.0	10.1	6.3	5.6	10.3	6.6										
							2	28.0	7.7	10.4	5.7	77.0	10.1	5.8													
					Middle	5.3	1	27.8	7.7	12.5	5.5	74.9	10.0	6.6													
							2	27.8	7.7	12.5	5.5	74.9	10.0	6.6													
					Bottom	9.5	1	27.6	7.6	16.2	5.2	72.6	10.8	7.0													
							2	27.6	7.6	16.2	5.2	72.5	10.8	7.3													
TCE-WQM3A	Fine	Calm	11:24	3.9	Surface	1.0	1	28.3	7.8	12.9	5.6	77.4	10.3	6.3	5.6	10.8	6.6										
							2	28.2	7.8	12.9	5.6	77.3	10.4	6.4													
					Bottom	2.9	1	28.0	7.7	14.4	5.3	73.8	11.2	6.7													
							2	28.0	7.7	14.4	5.3	73.9	11.3	7.1													
					TCE-WQM4	Fine	Calm	11:35	3.2	Surface	1.0	1	28.0	7.9				14.1	5.6	77.5	10.4	4.6	5.6	12.1	4.8		
												2	28.0	7.9				14.1	5.6	77.4	10.6	4.8					
Bottom	2.2	1	27.8	7.8						16.9	5.0	69.6	14.0	4.8													
		2	27.8	7.8						16.9	5.0	69.6	13.5	5.1													
14-06-2019	Mid-Flood	TCE-C1	Fine	Moderate						15:46	7.9	Surface	1.0	1	28.7	7.7	12.5	5.1	70.3	12.6	2.9	4.9				12.7	3.9
														2	28.7	7.7	12.5	5.1	70.3	12.7	3.1						
					Middle	4.0	1	28.3	7.8			14.1	4.6	64.4	12.7	3.6											
							2	28.3	7.8			14.0	4.6	64.2	12.7	4.1											
					Bottom	6.9	1	27.8	7.7			17.1	4.3	60.4	12.7	4.9											
							2	27.8	7.7			17.0	4.3	60.4	12.7	4.7											
		TCE-C2	Fine	Moderate	17:43	11.7	Surface	1.0	1	28.0	8.0	17.0	5.2	73.5	9.3	3.8	5.1	9.0	5.1								
									2	28.0	8.0	17.0	5.2	73.5	9.2	4.4											
							Middle	5.9	1	27.7	8.0	18.9	5.0	71.1	9.1	4.9											
									2	27.7	8.0	18.9	5.0	71.2	9.1	5.2											
							Bottom	10.7	1	27.4	8.0	22.3	4.9	70.8	8.7	5.8											
									2	27.4	8.0	22.3	5.0	70.9	8.7	6.2											
TCE-WQM1	Fine	Calm	16:28	8.1	Surface	1.0	1	29.0	7.9	13.5	6.3	87.9	10.2	3.9	6.2	12.2	3.8										
							2	28.9	7.9	13.5	6.3	87.9	10.2	3.7													
					Middle	4.1	1	28.7	7.9	14.9	6.1	86.0	11.5	3.6													
							2	28.7	7.9	14.9	6.1	85.8	11.5	3.6													
					Bottom	7.1	1	28.5	7.8	15.6	5.8	81.8	14.9	4.2													
							2	28.5	7.8	15.6	5.8	81.8	14.9	3.8													
TCE-WQM2a	Fine	Moderate	17:04	6.8	Surface	1.0	1	28.2	8.0	14.1	6.6	91.8	9.2	3.8	6.5	9.3	4.7										
							2	28.2	8.0	14.1	6.6	91.8	9.2	4.2													
					Middle	3.4	1	27.9	8.0	16.5	6.4	89.5	9.4	5.1													
							2	27.9	8.0	16.5	6.4	89.4	9.4	4.8													
					Bottom	5.8	1	27.8	7.9	17.5	6.3	87.8	9.2	5.3													
							2	27.8	7.9	17.4	6.3	87.7	9.2	5.0													
TCE-WQM2b	Fine	Moderate	17:15	10.4	Surface	1.0	1	28.0	8.0	15.9	6.1	84.6	9.9	4.9	6.0	10.6	5.3										
							2	28.0	8.0	15.9	6.1	84.6	9.9	4.7													
					Middle	5.2	1	28.0	8.0	16.1	5.9	82.2	10.2	5.4													
							2	28.0	8.0	16.0	5.9	82.2	10.2	5.1													
					Bottom	9.4	1	27.6	7.9	18.1	5.8	81.0	11.7	5.7													
							2	27.6	7.9	18.1	5.8	80.9	11.7	6.2													
TCE-WQM3A	Fine	Calm	16:53	4.1	Surface	1.0	1	28.9	8.0	12.4	6.1	85.0	10.8	6.9	6.1	11.9	7.6										
							2	28.9	8.0	12.4	6.1	84.8	10.8	7.2													
					Bottom	3.1	1	28.5	7.9	13.4	5.9	82.0	13.0	7.9													
							2	28.5	7.9	13.4	5.9	82.3	13.0	8.3													
					TCE-WQM4	Fine	Calm	16:41	3.3	Surface	1.0	1	28.5	7.9				13.7	5.9	81.9	9.4	6.9	5.9	10.3	7.5		
												2	28.5	7.9				13.6	5.9	81.9	9.5	7.4					
Bottom	2.3	1	28.5	7.9						13.8	5.8	80.5	11.2	7.6													
		2	28.5	7.9						13.8	5.8	80.3	11.0	7.9													

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)			
17-06-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:18	8.7	Surface	1.0	1	27.9	7.9	19.0	6.3	88.7	5.1	5.6	6.2	5.3	7.1			
									2	27.9	7.9	19.0	6.3	88.7	5.1	6.1						
							Middle	4.4	1	27.8	7.9	19.8	6.1	86.6	5.4	8.3						
									2	27.8	8.0	19.8	6.1	86.6	5.4	6.7						
				Bottom	7.7	1	27.7	8.0	22.7	6.0	85.8	5.4	8.6	6.0								
						2	27.6	8.0	22.7	6.0	85.8	5.3	7.1									
		TCE-C2	Rainy	Moderate	13:22	12.4	Surface	1.0	1	27.7	7.9	16.8	6.0				83.2	4.0	4.2	5.9	5.1	6.3
								2	27.7	7.9	16.8	6.0	83.2				3.9	5.1				
		Middle					6.2	1	27.7	7.9	17.3	5.8	81.7	4.7	6.5							
								2	27.7	7.9	17.3	5.8	81.7	4.7	6.3							
				Bottom	11.4	1	27.6	7.9	17.9	5.9	83.2	6.7	8.6	5.9								
						2	27.6	7.9	17.9	5.9	83.2	6.7	7.1									
	TCE-WQM1	Rainy	Moderate	12:14	8.4	Surface	1.0	1	27.8	8.0	18.6	7.3	102.6				6.0	8.2	7.1	5.9	7.4	
							2	27.8	8.0	18.6	7.3	102.5	5.9				7.6					
	Middle					4.2	1	27.8	8.0	18.8	6.9	97.5	5.6	6.3								
							2	27.8	8.0	18.8	6.9	97.4	5.7	6.1								
			Bottom	7.4	1	27.8	8.0	19.0	6.9	96.9	6.1	7.3	6.8									
					2	27.8	8.0	18.9	6.8	96.6	6.1	8.6										
	TCE-WQM2a	Rainy	Moderate	12:48	7.7	Surface	1.0	1	28.0	8.1	18.6	7.7				108.5	4.4	5.6	7.6	4.2	6.3	
							2	28.0	8.1	18.6	7.7	108.5				4.4	4.8					
	Middle					3.9	1	27.9	8.1	18.7	7.6	107.3	3.8	6.3								
							2	27.9	8.1	18.7	7.6	107.2	3.9	5.7								
			Bottom	6.7	1	27.8	8.1	19.4	7.1	100.7	4.3	7.8	7.1									
					2	27.8	8.1	19.4	7.1	100.7	4.3	7.5										
TCE-WQM2b	Rainy	Moderate	13:00	10.1	Surface	1.0	1	27.9	7.9	15.5	6.3	87.4				2.7	3.9	6.2	3.9	5.0		
						2	27.8	7.9	15.5	6.3	87.5	2.8				3.4						
Middle					5.1	1	27.8	7.9	15.9	6.1	84.3	2.9	3.2									
						2	27.8	7.9	15.9	6.1	84.3	2.9	3.2									
		Bottom	9.1	1	27.6	7.9	18.6	5.7	80.4	6.0	7.9	5.7										
				2	27.6	7.9	18.6	5.7	80.4	6.0	8.3											
TCE-WQM3A	Rainy	Moderate	12:37	4.1	Surface	1.0	1	28.0	8.0	17.8	7.6				106.7	3.5	3.8	7.6	4.8	6.1		
						2	28.0	8.0	17.8	7.5	106.3				3.4	4.7						
Middle					3.1	1	27.7	8.0	19.3	6.3	88.5	6.2	8.2									
						2	27.7	8.0	19.3	6.3	88.5	6.2	7.6									
		Bottom	3.1	1	27.7	8.0	19.3	6.3	88.5	6.2	8.2	6.3										
				2	27.7	8.0	19.3	6.3	88.5	6.2	7.6											
TCE-WQM4	Rainy	Moderate	12:26	3.4	Surface	1.0	1	28.0	8.2	17.6	8.4				118.0	4.0	5.3	8.4	4.1	5.9		
						2	28.0	8.2	17.6	8.4	117.9				4.0	5.4						
Middle					2.4	1	28.0	8.2	17.6	8.4	117.5	4.1	6.5									
						2	28.0	8.2	17.6	8.3	117.4	4.2	6.5									
		Bottom	2.4	1	28.0	8.2	17.6	8.4	117.5	4.1	6.5	8.3										
				2	28.0	8.2	17.6	8.3	117.4	4.2	6.5											
17-06-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	7:27	8.8	Surface	1.0	1	27.2	7.9				15.0	6.6	89.6	8.0	4.1	6.5	7.4	4.7
								2	27.2	7.9	15.0				6.6	89.8	8.1	3.3				
Middle							4.4	1	27.2	8.0	16.3	6.5	88.9	6.0	3.7							
								2	27.2	8.0	16.3	6.5	89.0	5.9	3.5							
			Bottom	7.8	1	27.2	8.0	18.6	6.3	88.2	8.2	6.9	6.3									
					2	27.2	8.0	18.6	6.3	88.3	8.1	6.8										
TCE-C2		Cloudy	Moderate	5:31	12.6	Surface	1.0	1	27.3	7.9	19.0	6.2				86.9	3.7	6.0	6.1	4.3	4.0	
							2	27.3	7.9	19.0	6.2	86.8				3.5	5.2					
Middle						6.3	1	27.2	7.9	19.7	6.1	85.6	4.3	4.1								
							2	27.2	7.9	19.7	6.1	85.5	4.4	3.6								
			Bottom	11.6	1	27.0	7.9	23.7	5.6	79.9	5.0	2.7	5.6									
					2	27.0	7.9	23.7	5.6	79.9	5.0	2.3										
TCE-WQM1		Cloudy	Moderate	6:36	8.3	Surface	1.0	1	27.4	8.0	16.9	6.9				96.3	6.7	3.7	7.0	7.2	3.2	
							2	27.4	8.0	16.9	7.0	96.5				6.7	3.9					
Middle						4.2	1	27.5	8.0	16.9	7.0	97.0	10.2	2.5								
							2	27.5	8.0	16.9	7.0	97.1	10.2	2.8								
			Bottom	7.3	1	27.5	8.0	17.1	7.0	97.7	4.5	2.9	7.0									
					2	27.5	8.0	17.0	7.0	97.8	4.6	3.5										
TCE-WQM2a		Cloudy	Moderate	6:04	7.8	Surface	1.0	1	27.4	7.9	17.0	6.4				89.1	8.3	4.1	6.4	6.2	3.8	
							2	27.4	7.9	17.0	6.4	89.1				8.3	3.2					
Middle						3.9	1	27.4	7.9	17.2	6.4	89.0	5.9	3.5								
							2	27.4	7.9	17.2	6.4	88.9	5.9	3.5								
			Bottom	6.8	1	27.4	7.9	17.5	6.4	88.8	4.4	4.1	6.4									
					2	27.4	7.9	17.5	6.4	88.8	4.6	4.5										
TCE-WQM2b	Cloudy	Moderate	5:53	10.3	Surface	1.0	1	27.4	7.9	16.7	6.2	86.2				6.4	5.0	6.1	6.4	4.4		
						2	27.4	7.9	16.7	6.2	86.3	6.1				4.0						
Middle					5.2	1	27.4	7.9	17.3	6.0	83.6	8.3	4.5									
						2	27.4	7.9	17.3	6.0	83.6	8.3	3.9									
		Bottom	9.3	1	27.3	7.9	18.3	6.1	84.7	4.6	4.2	6.1										
				2	27.3	7.9	18.3	6.1	85.1	4.6	4.9											
TCE-WQM3A	Cloudy	Moderate	6:15	4.2	Surface	1.0	1	27.5	7.9	17.0	6.6				91.8	4.6	4.3	6.6	4.3	4.3		
						2	27.5	7.9	17.0	6.6	91.8				4.6	4.9						
Middle					3.2	1	27.5	7.9	17.1	6.6	91.8	4.0	4.2									
						2	27.5	7.9	17.1	6.6	91.8	4.0	3.9									
		Bottom	3.2	1	27.5	7.9	17.1	6.6	91.8	4.0	3.9	6.6										
				2	27.5	7.9	17.1	6.6	91.8	4.0	3.9											
TCE-WQM4	Cloudy	Moderate	6:25	3.6	Surface	1.0	1	27.4	7.9	16.9	6.6				91.3	10.8	3.7	6.6	7.7	4.1		
						2	27.4	7.9	16.9	6.6	91.4				10.8	3.1						
Middle					2.6	1	27.4	7.9	17.2	6.6	91.7	4.6	5.1									
						2	27.4	7.9	17.2	6.6	91.7	4.6	4.5									

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)						
19-06-2019	Mid-Ebb	TCE-C1	Fine	Moderate	12:36	8.6	Surface	1.0	1	27.7	7.9	15.3	6.3	88.7	4.4	4.9	6.5	4.1	6.0						
									2	27.7	7.9	15.3	6.4	89.3	4.2	5.3									
							Middle	4.3	1	27.9	8.0	16.8	6.6	91.2	3.9	6.2									
									2	27.8	8.0	16.8	6.6	91.0	4.0	5.8									
							Bottom	7.6	1	27.6	8.0	26.5	5.9	86.4	4.0	6.8									
									2	27.6	8.0	26.6	5.9	86.9	4.1	7.1									
		TCE-C2	Fine	Moderate	14:40	14.7	Surface	1.0	1	28.0	8.0	15.8	6.7	92.8	3.2	3.3	6.0	5.7	4.3						
									2	28.0	8.0	15.8	6.6	92.7	3.2	3.2									
							Middle	7.4	1	27.3	7.9	16.9	5.5	75.8	4.2	4.4									
									2	27.3	7.9	17.0	5.4	75.6	4.8	4.4									
							Bottom	13.7	1	26.5	7.9	26.3	4.6	65.6	9.3	5.0									
									2	26.5	7.9	26.3	4.6	65.8	9.4	5.3									
		TCE-WQM1	Fine	Moderate	13:26	8.5	Surface	1.0	1	27.5	7.9	17.3	5.9	82.8	5.2	6.5	5.4	11.3	8.9						
									2	27.5	7.9	17.3	5.9	82.4	5.3	7.0									
							Middle	4.3	1	27.0	7.9	21.1	4.8	68.1	10.2	8.0									
									2	27.0	7.9	20.9	4.9	68.6	10.2	8.5									
							Bottom	7.5	1	26.9	7.9	23.3	4.4	62.4	18.4	11.5									
									2	26.9	7.9	23.3	4.4	62.5	18.3	11.8									
		TCE-WQM2a	Fine	Moderate	14:03	7.2	Surface	1.0	1	27.8	8.0	17.0	7.1	98.6	4.2	4.9	6.6	4.7	5.5						
									2	27.8	8.0	17.0	7.1	98.6	4.2	5.1									
							Middle	3.6	1	27.3	7.9	18.6	6.2	86.5	4.7	5.5									
									2	27.3	7.9	18.6	6.2	86.5	4.7	5.8									
							Bottom	6.2	1	27.0	7.9	20.5	5.5	78.1	5.1	6.0									
									2	27.0	7.9	20.4	5.6	78.5	5.2	5.8									
	TCE-WQM2b	Fine	Moderate	14:17	11.8	Surface	1.0	1	27.8	7.8	15.1	6.0	82.8	2.9	3.1	5.6	5.9	4.7							
								2	27.8	7.8	15.1	6.0	82.6	3.0	2.8										
						Middle	5.9	1	27.1	7.8	18.4	5.2	72.2	6.3	4.5										
								2	27.1	7.8	18.4	5.2	72.3	6.5	4.2										
						Bottom	10.8	1	27.1	7.8	18.6	5.3	73.4	8.3	6.6										
								2	27.1	7.8	18.6	5.3	73.8	8.4	6.9										
	TCE-WQM3A	Fine	Calm	13:52	4.3	Surface	1.0	1	27.5	7.9	17.3	6.1	84.3	6.8	12.3	6.0	6.7	12.8							
								2	27.5	7.9	17.2	6.0	84.0	6.8	11.9										
						Bottom	3.3	1	27.2	7.8	18.9	5.2	72.8	6.7	13.7										
								2	27.2	7.8	18.8	5.2	73.0	6.6	13.4										
	TCE-WQM4	Fine	Calm	13:39	4.5	Surface	1.0	1	28.2	8.2	15.5	9.0	125.7	4.1	5.2	9.0	6.2	5.9							
								2	28.1	8.2	15.6	9.0	124.9	4.6	4.8										
						Bottom	3.5	1	27.5	7.9	17.2	6.6	91.8	8.0	7.1										
								2	27.5	7.9	17.2	6.6	92.2	8.0	6.5										
	19-06-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	8:48	8.3	Surface	1.0	1	27.0	7.8	13.4	5.7	76.6	4.5	4.1	5.2	8.0	4.7					
										2	27.0	7.8	13.6	5.7	76.5	4.4	4.0								
								Middle	4.2	1	26.8	8.0	25.0	4.7	68.2	6.2	4.9								
										2	26.8	8.0	24.9	4.8	68.5	5.9	5.1								
								Bottom	7.3	1	26.7	8.0	27.6	4.5	65.3	13.7	4.7								
										2	26.7	8.0	27.6	4.5	65.6	13.4	5.2								
TCE-C2			Cloudy	Moderate	6:51	13.9	Surface	1.0	1	27.2	7.9	14.6	6.2	84.7	4.1	4.1	6.1	4.1	4.9						
									2	27.2	7.9	14.6	6.2	84.8	4.2	3.9									
							Middle	7.0	1	26.9	7.8	22.8	5.9	85.1	4.1	5.1									
									2	26.9	7.7	22.8	5.9	85.1	4.2	5.4									
							Bottom	12.9	1	26.9	7.7	27.4	5.8	85.0	4.0	5.4									
									2	26.9	7.7	27.4	5.8	85.0	4.0	5.3									
TCE-WQM1			Rainy	Moderate	8:00	8.7	Surface	1.0	1	27.2	7.9	15.5	6.9	94.8	3.8	4.0	6.8	4.1	5.2						
									2	27.2	7.9	15.5	6.9	95.0	3.8	4.3									
							Middle	4.4	1	27.1	7.9	18.1	6.8	94.9	3.6	5.0									
									2	27.1	7.9	18.1	6.8	94.7	3.7	5.4									
							Bottom	7.7	1	27.0	7.9	27.0	6.5	94.9	4.8	6.3									
									2	27.0	7.9	27.1	6.5	95.3	4.9	6.0									
TCE-WQM2a			Cloudy	Moderate	7:28	7.7	Surface	1.0	1	27.3	7.9	15.3	6.6	91.3	4.6	5.7	6.5	4.4	6.6						
									2	27.3	7.9	15.3	6.6	91.3	4.6	6.2									
							Middle	3.9	1	26.9	7.9	23.1	6.4	92.0	4.4	6.6									
									2	26.9	7.9	23.1	6.4	92.1	4.3	7.1									
							Bottom	6.7	1	26.8	7.8	26.9	6.4	93.1	4.3	7.2									
									2	26.8	7.8	26.9	6.4	93.3	4.3	6.9									
TCE-WQM2b			Cloudy	Moderate	7:16	10.8	Surface	1.0	1	27.2	7.7	14.3	6.2	84.2	4.1	2.9	6.1	4.0	3.8						
									2	27.2	7.7	14.3	6.2	84.3	4.1	3.2									
							Middle	5.4	1	27.1	7.7	23.3	5.9	85.2	4.1	4.1									
									2	27.1	7.7	23.3	5.9	85.4	4.1	3.9									
							Bottom	9.8	1	27.0	7.7	27.0	5.9	86.3	3.8	4.0									
									2	27.0	7.7	27.0	5.9	86.6	3.8	4.4									
TCE-WQM3A			Cloudy	Calm	7:39	4.2	Surface	1.0	1	27.0	7.8	14.6	6.3	86.5	4.7	4.9	6.3	4.7	5.4						
									2	27.0	7.8	14.6	6.3	86.6	4.7	4.7									
							Bottom	3.2	1	26.8	7.8	17.6	6.3	87.6	4.7	5.8									
									2	26.8	7.8	17.6	6.3	87.9	4.7	6.0									
TCE-WQM4			Cloudy	Calm	7:49	3.4	Surface	1.0	1	27.3	7.8	14.1	6.4	87.1	4.1	3.9	6.4	4.2	5.0						
									2	27.3	7.8	14.1	6.4	87.1	4.2	4.2									
							Bottom	2.4	1	27.1	7.8	17.0	6.3	88.1	4.3	6.1									
									2	27.1	7.8	17.0	6.4	88.6	4.2	5.7									

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
21-06-2019	Mid-Ebb	TCE-C1	Sunny	Moderate	13:51	8.0	Surface	1.0	1	29.0	7.9	13.1	6.8	95.1	10.1	7.8	5.9	10.2	6.3								
									2	29.0	7.9	13.1	6.8	94.9	10.1	8.2											
							Middle	4.0	1	28.1	7.8	23.6	5.0	73.4	9.9	5.6											
									2	28.1	7.8	23.7	5.0	73.4	9.9	6.3											
							Bottom	7.0	1	27.5	7.8	29.2	4.3	64.0	10.5	4.8											
									2	27.5	7.8	29.2	4.3	64.1	10.5	5.2											
		TCE-C2	Sunny	Moderate	15:45	12.9	Surface	1.0	1	29.2	8.1	15.1	8.1	114.3	10.6	2.4	7.9	10.4	3.3								
									2	29.2	8.1	15.1	8.1	114.2	10.7	2.3											
							Middle	6.5	1	29.1	8.0	15.3	7.7	109.1	10.2	3.2											
									2	29.1	8.0	15.3	7.7	109.0	10.2	3.6											
							Bottom	11.9	1	28.6	7.9	17.7	6.6	93.7	10.4	4.4											
									2	28.6	7.9	17.7	6.6	93.6	10.4	4.1											
	TCE-WQM1	Sunny	Calm	14:38	9.4	Surface	1.0	1	29.2	8.0	15.2	8.0	113.7	11.1	7.5	7.2	12.2	6.1									
								2	29.2	8.0	15.2	8.0	113.7	11.1	7.6												
						Middle	4.7	1	28.6	7.9	18.2	6.4	92.1	12.4	5.4												
								2	28.6	7.9	18.2	6.5	92.1	12.4	5.0												
						Bottom	8.4	1	28.6	7.8	18.8	6.0	86.2	13.0	5.1												
								2	28.6	7.8	18.8	6.0	86.1	13.0	5.7												
	TCE-WQM2a	Sunny	Moderate	15:11	7.2	Surface	1.0	1	29.1	8.2	17.4	9.3	132.7	11.6	2.8	8.8	11.7	3.0									
								2	29.1	8.2	17.4	9.3	132.7	11.6	2.5												
						Middle	3.6	1	28.9	8.1	17.6	8.3	119.4	11.7	2.6												
								2	28.9	8.1	17.6	8.3	119.2	11.7	2.8												
						Bottom	6.2	1	28.7	8.1	18.1	7.6	108.7	11.9	3.2												
								2	28.7	8.1	18.1	7.6	108.6	11.9	3.8												
TCE-WQM2b	Sunny	Moderate	15:23	10.2	Surface	1.0	1	29.0	8.0	13.7	7.1	99.8	9.3	5.9	6.5	10.5	4.1										
							2	29.0	8.0	13.7	7.1	99.8	9.3	5.5													
					Middle	5.1	1	28.5	7.9	16.8	5.8	82.2	10.4	3.9													
							2	28.5	7.9	16.8	5.8	82.2	10.4	3.6													
					Bottom	9.2	1	28.3	7.8	17.9	5.7	80.7	11.8	2.7													
							2	28.3	7.8	17.9	5.7	80.9	11.8	3.2													
TCE-WQM3A	Sunny	Calm	15:00	4.1	Surface	1.0	1	29.0	8.1	16.7	7.9	112.9	12.2	5.2	7.9	12.3	4.7										
							2	29.0	8.1	16.7	7.9	112.8	12.2	5.6													
					Bottom	3.1	1	28.3	7.8	18.2	5.7	81.5	12.3	4.2													
							2	28.3	7.8	18.2	5.8	81.7	12.3	3.9													
					TCE-WQM4	Sunny	Calm	14:49	3.2	Surface	1.0	1	29.9	8.5				16.4	12.4	179.2	10.9	5.9	12.4	11.2	5.2		
												2	29.9	8.5				16.4	12.4	179.2	10.9	5.6					
Bottom	2.2	1	29.6	8.4						16.6	10.9	157.1	11.5	4.6													
		2	29.6	8.4						16.6	10.9	157.3	11.6	4.6													
21-06-2019	Mid-Flood	TCE-C1	Sunny	Moderate						10:10	7.7	Surface	1.0	1	28.6	7.9	10.8	6.1	83.2	10.4	5.9	5.5				13.2	5.2
														2	28.6	7.9	10.8	6.1	83.2	10.4	5.7						
					Middle	3.9	1	28.0	8.0			21.1	5.0	72.3	12.7	5.0											
							2	28.0	8.0			21.1	5.0	72.2	12.7	4.6											
					Bottom	6.7	1	27.6	8.0			28.3	4.3	63.5	16.3	5.1											
							2	27.6	8.0			28.3	4.3	63.5	16.4	4.8											
		TCE-C2	Sunny	Moderate	8:06	12.5	Surface	1.0	1	28.6	7.9	14.2	6.2	86.7	9.7	4.0	6.2	9.9	3.4								
									2	28.6	7.9	14.2	6.2	86.7	9.7	3.5											
							Middle	6.3	1	28.5	7.9	15.8	6.1	86.4	9.7	2.9											
									2	28.5	7.9	15.8	6.1	86.2	9.7	3.1											
							Bottom	11.5	1	27.7	8.0	23.4	5.1	73.5	10.4	3.7											
									2	27.7	8.0	23.4	5.1	73.5	10.4	3.0											
TCE-WQM1	Sunny	Calm	9:20	8.7	Surface	1.0	1	28.8	8.1	16.8	7.7	110.1	11.5	5.2	7.5	13.1	5.0										
							2	28.8	8.1	16.8	7.7	109.8	11.5	5.7													
					Middle	4.4	1	28.6	8.0	17.3	7.2	102.9	12.6	5.4													
							2	28.6	8.0	17.3	7.2	102.9	12.6	4.9													
					Bottom	7.7	1	28.3	7.9	19.4	6.2	88.1	15.2	4.3													
							2	28.3	7.9	19.4	6.2	88.3	15.2	4.6													
TCE-WQM2a	Sunny	Moderate	8:45	6.9	Surface	1.0	1	28.7	8.1	15.3	7.4	103.6	10.0	4.8	7.2	10.2	4.6										
							2	28.7	8.1	15.3	7.4	103.6	10.0	5.2													
					Middle	3.5	1	28.6	8.1	16.0	7.1	100.3	10.2	4.6													
							2	28.6	8.1	16.0	7.1	100.2	10.3	4.6													
					Bottom	5.9	1	28.5	8.0	17.1	6.8	96.3	10.3	4.0													
							2	28.5	8.0	17.1	6.8	96.3	10.3	4.1													
TCE-WQM2b	Sunny	Moderate	8:31	11.0	Surface	1.0	1	28.4	7.8	16.0	5.6	79.1	12.1	4.6	5.3	13.6	3.9										
							2	28.4	7.8	16.0	5.6	78.9	12.1	5.0													
					Middle	5.5	1	28.1	7.8	19.7	5.1	72.6	12.1	3.7													
							2	28.1	7.8	19.7	5.1	72.4	12.1	3.6													
					Bottom	10.0	1	27.8	7.8	22.7	4.9	70.4	16.6	3.2													
							2	27.8	7.8	22.7	4.9	70.3	16.5	3.5													
TCE-WQM3A	Sunny	Calm	8:56	4.3	Surface	1.0	1	28.6	7.8	15.1	6.5	91.3	10.4	4.6	6.5	10.4	4.4										
							2	28.6	7.8	15.1	6.5	91.2	10.4	4.4													
					Bottom	3.3	1	28.6	7.8	15.2	6.3	88.9	10.4	4.2													
							2	28.6	7.8	15.2	6.3	88.8	10.5	4.3													
					TCE-WQM4	Sunny	Calm	9:08	3.5	Surface	1.0	1	28.6	7.9				14.7	6.6	92.2	10.9	5.2	6.6	11.4	6.0		
												2	28.6	7.9				14.7	6.6	92.1	10.9	5.8					
Bottom	2.5	1	28.5	7.8						16.2	6.4	90.3	12.0	6.4													
		2	28.5	7.8						16.2	6.4	90.3	11.9	6.6													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
24-06-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:49	7.6	Surface	1.0	1	28.6	7.7	9.4	6.9	94.4	9.5	8.3	6.8	9.7	8.4	
									2	28.6	7.7	9.4	6.9	94.3	9.5	8.0				
							Middle	3.8	1	28.7	7.7	10.7	6.6	90.7	9.3	8.4				
									2	28.7	7.7	10.7	6.6	90.7	9.4	8.2				
							Bottom	6.6	1	27.3	7.6	28.9	3.1	46.1	10.2	8.8				
									2	27.3	7.6	28.9	3.1	46.3	10.1	8.7				
		TCE-C2	Rainy	Moderate	17:38	11.5	Surface	1.0	1	28.9	7.9	13.7	6.6	92.8	8.6	2.1	6.3	9.7	3.0	
									2	28.9	7.9	13.7	6.6	92.8	8.6	2.4				
							Middle	5.8	1	28.8	7.9	15.3	6.0	84.4	9.5	2.8				
									2	28.8	7.9	15.3	6.0	84.2	9.5	3.2				
							Bottom	10.5	1	27.6	7.8	24.2	4.3	62.6	11.1	3.8				
									2	27.6	7.8	24.2	4.3	62.6	11.1	3.5				
	TCE-WQM1	Cloudy	Calm	16:29	8.8	Surface	1.0	1	28.9	7.8	13.6	6.5	90.4	9.9	4.2	6.1	11.9	5.0		
								2	28.9	7.8	13.6	6.5	90.4	10.0	3.8					
						Middle	4.4	1	28.9	7.8	15.8	5.7	80.2	10.8	4.0					
								2	28.9	7.8	15.8	5.7	80.2	10.8	4.4					
						Bottom	7.8	1	27.8	7.7	25.0	3.0	44.1	14.9	6.7					
								2	27.8	7.7	25.0	3.0	44.1	14.9	6.6					
	TCE-WQM2a	Rainy	Moderate	17:02	6.7	Surface	1.0	1	29.0	7.9	14.7	6.5	91.2	10.8	3.6	6.2	11.4	4.6		
								2	29.0	7.9	14.7	6.5	91.2	10.8	4.0					
						Middle	3.4	1	28.8	7.8	16.1	6.0	84.8	11.7	3.9					
								2	28.8	7.8	16.1	6.0	84.7	11.7	4.1					
						Bottom	5.7	1	28.8	7.8	16.8	6.1	86.7	11.8	5.8					
								2	28.8	7.8	16.7	6.1	86.9	11.8	6.2					
TCE-WQM2b	Rainy	Moderate	17:14	10.2	Surface	1.0	1	28.8	7.8	12.4	6.6	92.0	9.5	2.7	6.3	10.6	2.9			
							2	28.8	7.8	12.4	6.6	92.1	9.5	3.0						
					Middle	5.1	1	28.8	7.8	14.8	6.0	83.7	10.0	2.9						
							2	28.8	7.8	14.8	6.0	83.7	10.0	2.7						
					Bottom	9.2	1	27.4	7.7	24.9	4.2	60.8	12.4	2.7						
							2	27.4	7.7	24.9	4.2	60.8	12.4	3.2						
TCE-WQM3A	Cloudy	Calm	16:51	4.0	Surface	1.0	1	29.0	7.8	14.8	6.1	85.3	10.6	3.1	6.0	11.7	2.9			
							2	29.0	7.8	14.8	6.0	85.2	10.5	2.9						
					Bottom	3.0	1	28.7	7.7	17.0	5.7	81.2	12.8	2.8						
							2	28.7	7.7	17.0	5.7	81.3	12.8	2.6						
					Surface	1.0	1	29.1	7.9	14.2	6.9	97.5	9.7	2.7				6.9	9.5	4.0
							2	29.1	7.9	14.2	6.9	97.6	9.7	3.1						
Bottom	2.2	1	29.0	7.9	14.1	7.1	99.1	9.3	5.2											
		2	29.0	7.9	14.1	7.1	99.2	9.3	5.1											
Surface	1.0	1	28.7	7.8	9.5	6.7	91.4	9.9	4.1	5.3	11.8	4.4								
		2	28.7	7.8	9.5	6.7	91.1	10.0	4.4											
Middle	4.0	1	27.9	7.8	22.1	3.9	56.3	10.6	4.0											
		2	27.9	7.8	23.4	3.9	56.4	10.6	4.2											
Bottom	6.9	1	27.1	7.8	30.8	2.8	42.0	14.9	4.9											
		2	27.1	7.8	30.8	2.8	42.2	14.9	4.6											
TCE-C2	Cloudy	Moderate	10:12	11.9	Surface	1.0	1	28.9	7.8	12.4	6.4	89.4	9.0	2.2	5.5	8.9	3.0			
							2	28.9	7.8	12.4	6.4	89.0	9.0	2.3						
					Middle	6.0	1	28.0	7.7	22.1	4.5	65.4	9.2	2.8						
							2	28.0	7.7	22.1	4.5	65.2	9.2	3.0						
					Bottom	10.9	1	26.6	7.6	30.5	3.4	50.7	8.6	3.9						
							2	26.6	7.6	30.5	3.4	50.7	8.6	3.6						
TCE-WQM1	Cloudy	Calm	11:30	9.2	Surface	1.0	1	29.2	7.9	15.0	6.8	95.9	11.5	2.0	6.2	13.5	3.1			
							2	29.2	7.9	15.0	6.8	95.9	11.5	2.3						
					Middle	4.6	1	28.9	7.8	17.1	5.6	80.1	14.1	2.7						
							2	28.9	7.8	17.1	5.6	80.0	14.1	3.1						
					Bottom	8.2	1	27.8	7.7	25.2	3.9	56.6	14.8	4.3						
							2	27.8	7.7	25.2	3.9	56.9	14.8	4.0						
TCE-WQM2a	Cloudy	Moderate	10:53	6.7	Surface	1.0	1	29.1	7.9	13.5	6.9	96.9	9.7	2.1	6.6	10.9	2.9			
							2	29.1	7.9	13.5	6.9	96.9	9.7	2.4						
					Middle	3.4	1	28.9	7.8	15.1	6.3	89.2	12.3	3.1						
							2	28.9	7.8	15.1	6.3	89.1	12.3	3.4						
					Bottom	5.7	1	28.6	7.8	18.4	5.7	81.7	10.8	3.4						
							2	28.6	7.7	18.4	5.7	81.6	10.8	3.2						
TCE-WQM2b	Cloudy	Moderate	10:39	10.6	Surface	1.0	1	29.0	7.8	12.4	6.6	91.2	9.3	2.9	6.1	10.0	3.1			
							2	29.0	7.8	12.4	6.5	91.2	9.3	2.7						
					Middle	5.3	1	28.5	7.7	18.7	5.6	80.2	9.8	2.7						
							2	28.5	7.7	18.6	5.6	80.1	9.8	2.9						
					Bottom	9.6	1	27.7	7.6	24.9	4.3	62.4	10.8	3.9						
							2	27.7	7.6	24.9	4.3	62.7	10.8	3.6						
TCE-WQM3A	Cloudy	Calm	11:06	4.1	Surface	1.0	1	29.1	7.8	13.7	6.7	93.6	9.9	2.6	6.7	11.4	2.9			
							2	29.1	7.8	13.7	6.6	93.3	10.0	2.8						
					Bottom	3.1	1	29.0	7.7	15.0	5.8	81.8	12.9	3.2						
							2	29.0	7.7	15.0	5.8	81.8	12.9	3.1						
					Surface	1.0	1	29.0	7.9	13.0	6.8	95.5	9.1	2.0				6.8	9.4	2.2
							2	29.0	7.9	13.0	6.8	95.5	9.1	2.1						
Bottom	2.5	1	28.9	7.8	14.1	6.7	94.1	9.6	2.3											
		2	28.9	7.8	14.1	6.7	94.1	9.6	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)	
26-06-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:06	8.1	Surface	1.0	1	28.3	7.6	10.3	5.4	73.4	10.7	4.4	4.6	10.9	4.8	
									2	28.3	7.6	10.3	5.4	73.4	10.7	4.1				
							Middle	4.1	1	28.1	7.6	18.1	3.9	54.9	10.0	4.9				
									2	28.1	7.6	18.1	3.9	54.9	9.9	4.5				
							Bottom	7.1	1	27.1	7.4	30.1	3.1	46.7	11.9	5.3				
									2	27.1	7.4	30.1	3.1	46.7	11.9	5.4				
		TCE-C2	Rainy	Moderate	7:25	12.6	Surface	1.0	1	28.4	7.7	12.9	5.7	79.2	9.3	5.2	4.6	9.5	5.0	
									2	28.4	7.7	12.9	5.7	79.2	9.3	5.0				
							Middle	6.3	1	27.8	7.6	22.8	3.4	49.7	9.7	5.0				
									2	27.8	7.6	22.8	3.4	49.7	9.7	4.6				
							Bottom	11.6	1	26.1	7.6	32.1	3.5	52.0	9.5	5.1				
									2	26.1	7.6	32.1	3.5	52.0	9.5	4.8				
	TCE-WQM1	Cloudy	Moderate	8:54	8.3	Surface	1.0	1	28.4	7.7	15.2	4.9	68.6	10.2	2.8	3.7	12.2	4.1		
								2	28.4	7.7	15.2	4.9	68.6	10.2	3.0					
						Middle	4.2	1	27.7	7.6	24.8	2.5	36.8	11.9	3.6					
								2	27.7	7.6	24.8	2.5	36.8	11.9	4.0					
						Bottom	7.3	1	27.5	7.5	26.5	2.5	36.6	14.5	5.3					
								2	27.5	7.5	26.5	2.5	36.6	14.5	5.6					
	TCE-WQM2a	Cloudy	Moderate	8:18	7.4	Surface	1.0	1	28.4	7.7	16.3	5.1	71.6	9.5	3.1	4.5	10.0	4.1		
								2	28.4	7.7	16.3	5.1	71.6	9.5	3.4					
						Middle	3.7	1	27.6	7.7	23.9	4.0	57.6	9.1	4.4					
								2	27.6	7.7	23.9	4.0	57.6	9.1	4.1					
						Bottom	6.4	1	27.0	7.6	27.2	3.8	55.1	11.5	4.5					
								2	27.0	7.6	27.2	3.8	55.1	11.5	4.9					
TCE-WQM2b	Cloudy	Moderate	8:05	10.3	Surface	1.0	1	28.5	7.7	12.2	5.5	75.1	9.9	4.0	5.0	10.3	4.6			
							2	28.5	7.7	12.2	5.5	75.1	9.9	4.3						
					Middle	5.2	1	28.2	7.7	17.6	4.5	63.2	9.7	4.8						
							2	28.2	7.7	17.6	4.5	63.2	9.7	4.5						
					Bottom	9.3	1	26.7	7.6	29.6	3.3	47.9	11.4	4.8						
							2	26.7	7.6	29.6	3.3	47.9	11.4	5.0						
TCE-WQM3A	Cloudy	Moderate	8:30	4.0	Surface	1.0	1	28.3	7.7	16.2	4.9	68.5	13.7	5.7	4.9	11.1	5.7			
							2	28.3	7.7	16.2	4.9	68.5	13.7	5.6						
					Bottom	3.0	1	28.1	7.6	19.6	4.4	62.1	8.4	6.0						
							2	28.1	7.6	19.6	4.4	62.1	8.4	5.6						
					Surface	1.0	1	28.5	7.8	14.0	5.9	82.0	11.4	3.9				5.9	9.7	5.6
							2	28.5	7.8	14.0	5.9	82.0	11.4	4.3						
Bottom	2.7	1	28.6	7.6	16.0	5.1	72.2	7.9	6.9											
		2	28.6	7.6	16.0	5.1	72.2	7.9	7.1											
Surface	1.0	1	28.4	7.6	11.5	4.8	66.5	10.0	4.4	4.2	10.0	6.8								
		2	28.4	7.6	11.5	4.8	66.5	10.0	4.6											
Middle	4.2	1	28.1	7.6	18.7	3.6	51.4	9.7	6.6											
		2	28.1	7.6	18.7	3.6	51.4	9.7	6.9											
Bottom	7.4	1	27.4	7.6	25.4	2.7	39.0	10.4	8.9											
		2	27.4	7.6	25.4	2.7	39.0	10.4	9.2											
TCE-C2	Cloudy	Moderate	14:04	12.3	Surface	1.0	1	28.4	7.7	17.4	5.6	79.4	8.8	6.2	4.2	9.8	7.1			
							2	28.4	7.7	17.4	5.6	79.4	8.8	6.3						
					Middle	6.2	1	26.3	7.6	30.6	2.8	40.8	10.2	6.7						
							2	26.3	7.6	30.6	2.8	40.8	10.2	7.0						
					Bottom	11.3	1	25.8	7.6	33.0	3.3	48.8	10.3	8.2						
							2	25.8	7.6	33.0	3.3	48.8	10.3	8.0						
TCE-WQM1	Cloudy	Moderate	12:49	8.4	Surface	1.0	1	29.0	7.7	14.0	5.8	81.0	9.9	4.5	5.0	12.4	4.9			
							2	29.0	7.7	14.0	5.8	81.0	9.9	4.7						
					Middle	4.2	1	28.2	7.6	18.4	4.2	60.2	13.3	5.1						
							2	28.2	7.6	18.4	4.2	60.2	13.3	5.3						
					Bottom	7.4	1	27.8	7.4	24.3	3.5	50.8	14.0	4.9						
							2	27.8	7.4	24.3	3.5	50.8	14.0	5.1						
TCE-WQM2a	Cloudy	Moderate	13:23	7.6	Surface	1.0	1	28.8	7.8	14.9	5.8	81.2	9.6	7.2	5.2	10.3	8.7			
							2	28.8	7.8	14.9	5.8	81.2	9.6	6.9						
					Middle	3.8	1	28.1	7.7	19.0	4.6	65.5	8.8	8.0						
							2	28.1	7.7	19.0	4.6	65.5	8.8	7.7						
					Bottom	6.6	1	27.7	7.6	22.8	4.3	62.2	12.4	10.8						
							2	27.7	7.6	22.8	4.3	62.2	12.4	11.3						
TCE-WQM2b	Cloudy	Moderate	13:35	10.3	Surface	1.0	1	28.7	7.7	14.2	5.8	80.9	9.7	7.4	4.8	11.8	8.4			
							2	28.7	7.7	14.2	5.8	80.6	9.7	7.7						
					Middle	5.2	1	27.7	7.6	23.0	3.8	54.9	12.0	8.6						
							2	27.7	7.6	23.0	3.8	54.9	12.0	8.8						
					Bottom	9.3	1	26.8	7.5	28.8	3.5	50.9	13.6	9.2						
							2	26.8	7.5	28.8	3.5	50.9	13.6	8.9						
TCE-WQM3A	Cloudy	Moderate	13:13	4.1	Surface	1.0	1	28.7	7.7	14.4	5.6	78.6	13.0	5.7	5.6	11.4	6.4			
							2	28.7	7.7	14.4	5.6	78.6	13.0	6.2						
					Bottom	3.1	1	28.5	7.6	18.6	5.7	81.5	9.7	7.0						
							2	28.5	7.6	18.6	5.7	81.5	9.7	6.7						
					Surface	1.0	1	28.7	7.7	14.7	5.8	81.2	10.0	4.4				5.8	10.4	4.2
							2	28.7	7.7	14.7	5.8	81.2	10.0	3.9						
Bottom	2.5	1	28.4	7.5	17.3	5.6	79.2	10.7	4.4											
		2	28.4	7.5	17.3	5.6	79.2	10.7	3.9											

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)								
28-06-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:50	7.6	Surface	1.0	1	30.1	8.1	4.7	7.7	104.0	11.3	4.6	7.4	11.0	5.3								
									2	30.1	8.1	4.7	7.6	103.9	11.3	4.8											
							Middle	3.8	1	29.7	8.0	5.6	7.1	96.3	11.0	5.1											
									2	29.7	8.0	5.6	7.1	96.1	11.0	5.4											
							Bottom	6.6	1	27.9	7.8	16.5	3.6	50.4	10.7	5.9											
									2	27.9	7.8	16.5	3.6	50.4	10.7	5.7											
		TCE-C2	Cloudy	Moderate	9:43	11.9	Surface	1.0	1	29.2	7.9	10.4	6.4	6.3	87.8	10.0	4.1	5.8	9.4	4.7							
									2	29.2	7.9	10.4	6.3	87.7	10.0	3.9											
							Middle	6.0	1	28.5	7.9	17.4	5.2	73.4	9.4	4.7											
									2	28.5	7.9	17.4	5.2	73.2	9.3	5.0											
							Bottom	10.9	1	26.4	7.9	29.6	2.9	42.3	8.9	5.4											
									2	26.4	7.9	29.6	2.9	42.3	8.9	5.2											
	TCE-WQM1	Cloudy	Calm	11:01	9.1	Surface	1.0	1	29.6	8.0	13.7	6.5	6.5	91.5	9.6	3.6	4.2	12.0	3.9								
								2	29.6	8.0	13.7	6.5	91.4	9.6	3.8												
						Middle	4.6	1	27.4	7.7	26.5	1.9	28.4	11.9	4.2												
								2	27.4	7.7	26.5	1.9	28.3	11.9	3.8												
						Bottom	8.1	1	27.2	7.7	28.5	1.9	27.4	14.5	3.7												
								2	27.2	7.7	28.5	1.9	27.5	14.5	4.1												
	TCE-WQM2a	Cloudy	Moderate	10:25	6.5	Surface	1.0	1	29.3	8.0	14.2	6.4	6.4	90.6	9.6	4.2	6.0	10.2	4.3								
								2	29.3	8.0	14.2	6.4	90.6	9.6	4.1												
						Middle	3.3	1	28.9	7.9	16.3	5.6	79.4	9.9	3.9												
								2	28.9	7.9	16.3	5.6	79.4	9.9	4.1												
						Bottom	5.5	1	28.0	7.8	20.4	4.3	61.4	11.2	4.9												
								2	28.0	7.8	20.4	4.3	61.4	11.2	4.7												
TCE-WQM2b	Cloudy	Moderate	10:11	10.4	Surface	1.0	1	29.5	7.9	7.8	5.9	80.3	11.0	4.7	4.9	11.6	5.3										
							2	29.5	7.9	7.8	5.8	79.9	10.9	5.1													
					Middle	5.2	1	27.8	7.8	21.2	3.8	55.1	10.6	5.0													
							2	27.8	7.8	21.1	3.9	55.2	10.6	5.3													
					Bottom	9.4	1	26.3	7.7	30.3	2.6	38.4	13.2	6.1													
							2	26.3	7.7	30.3	2.6	38.5	13.2	5.8													
TCE-WQM3A	Cloudy	Calm	10:37	3.9	Surface	1.0	1	29.4	8.0	12.7	6.5	6.5	91.1	9.9	4.0	6.5	11.1	4.2									
							2	29.4	8.0	12.7	6.5	91.0	10.0	4.4													
					Bottom	2.9	1	28.8	7.8	15.9	4.8	68.2	12.3	3.9													
							2	28.8	7.8	15.9	4.8	68.3	12.3	4.4													
					TCE-WQM4	Cloudy	Calm	10:49	3.2	Surface	1.0	1	29.4	8.0	13.1				6.6	6.6	93.1	9.8	4.1	6.6	10.6	5.4	
												2	29.4	8.0	13.1				6.6	93.1	9.8	4.2					
Bottom	2.2	1	29.2	7.9						15.7	5.8	82.9	11.4	6.7													
		2	29.2	7.9						15.7	5.8	82.9	11.4	6.4													
28-06-2019	Mid-Flood	TCE-C1	Fine	Moderate						14:22	7.9	Surface	1.0	1	30.4	7.9	4.4	7.8	106.8	11.6	3.8	7.2	11.3				4.3
														2	30.4	7.9	4.4	7.8	106.7	11.5	3.6						
					Middle	4.0	1	29.6	7.7			7.9	6.6	90.6	10.7	4.3											
							2	29.6	7.7			7.9	6.6	90.6	10.7	4.4											
					Bottom	6.9	1	27.1	7.6			29.1	2.2	31.8	11.6	4.9											
							2	27.1	7.6			29.1	2.2	32.0	11.6	4.6											
		TCE-C2	Fine	Moderate	16:36	12.1	Surface	1.0	1	29.8	8.1	12.6	7.1	7.1	100.5	9.6	4.2	5.0	10.5	4.0							
									2	29.8	8.1	12.6	7.1	100.5	9.6	4.2											
							Middle	6.1	1	26.6	7.8	28.6	2.8	41.2	10.5	3.7											
									2	26.6	7.8	28.6	2.8	41.2	10.5	4.0											
							Bottom	11.1	1	25.7	7.8	32.3	2.6	38.1	11.3	4.0											
									2	25.7	7.8	32.3	2.6	38.1	11.3	3.8											
TCE-WQM1	Fine	Calm	15:15	8.8	Surface	1.0	1	30.4	8.1	12.5	8.1	8.1	115.6	9.6	3.0	7.0	12.5	5.5									
							2	30.4	8.1	12.5	8.1	115.6	9.6	2.8													
					Middle	4.4	1	29.3	7.9	15.5	6.0	85.1	14.0	6.3													
							2	29.3	7.9	15.5	6.0	85.1	14.0	5.8													
					Bottom	7.8	1	27.3	7.7	27.7	1.7	25.0	13.8	7.6													
							2	27.3	7.7	27.7	1.7	25.1	13.7	7.5													
TCE-WQM2a	Fine	Moderate	15:54	7.1	Surface	1.0	1	29.7	8.1	12.5	7.2	7.2	101.8	11.2	4.1	6.2	12.9	4.7									
							2	29.7	8.1	12.5	7.2	101.8	11.2	3.7													
					Middle	3.6	1	28.9	7.9	16.2	5.2	74.1	13.9	3.7													
							2	28.9	7.9	16.2	5.2	74.1	13.9	3.9													
					Bottom	6.1	1	27.8	7.8	21.7	3.8	54.6	13.5	6.6													
							2	27.8	7.8	21.7	3.8	54.6	13.5	6.3													
TCE-WQM2b	Fine	Moderate	16:07	10.7	Surface	1.0	1	30.1	8.0	8.9	7.2	7.2	100.5	11.4	5.2	5.4	13.6	5.4									
							2	30.1	8.0	8.4	7.2	100.5	11.4	5.5													
					Middle	5.4	1	27.6	7.8	22.6	3.7	52.5	12.1	5.7													
							2	27.6	7.8	22.6	3.7	52.5	12.1	5.4													
					Bottom	9.7	1	27.0	7.8	27.2	3.0	43.8	17.2	5.2													
							2	27.0	7.8	27.2	3.0	43.9	17.1	5.1													
TCE-WQM3A	Fine	Calm	15:40	4.0	Surface	1.0	1	30.2	8.1	11.0	8.2	8.2	115.4	12.1	4.1	8.2	13.0	5.0									
							2	30.2	8.1	11.0	8.2	115.4	12.1	4.4													
					Bottom	3.0	1	29.8	8.0	12.3	7.3	102.2	13.7	5.6													
							2	29.8	8.0	12.3	7.3	102.2	14.0	6.0													
					TCE-WQM4	Fine	Calm	15:28	3.3	Surface	1.0	1	29.5	8.0	12.6				7.1	7.1	99.2	10.7	4.7	7.1	11.1	4.8	
												2	29.5	8.0	12.6				7.1	99.2	10.7	4.5					
Bottom	2.3	1	29.2	7.9						14.9	6.3	89.4	11.4	5.2													
		2	29.2	7.9						14.9	6.3	89.4	11.4	4.8													