

Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2019

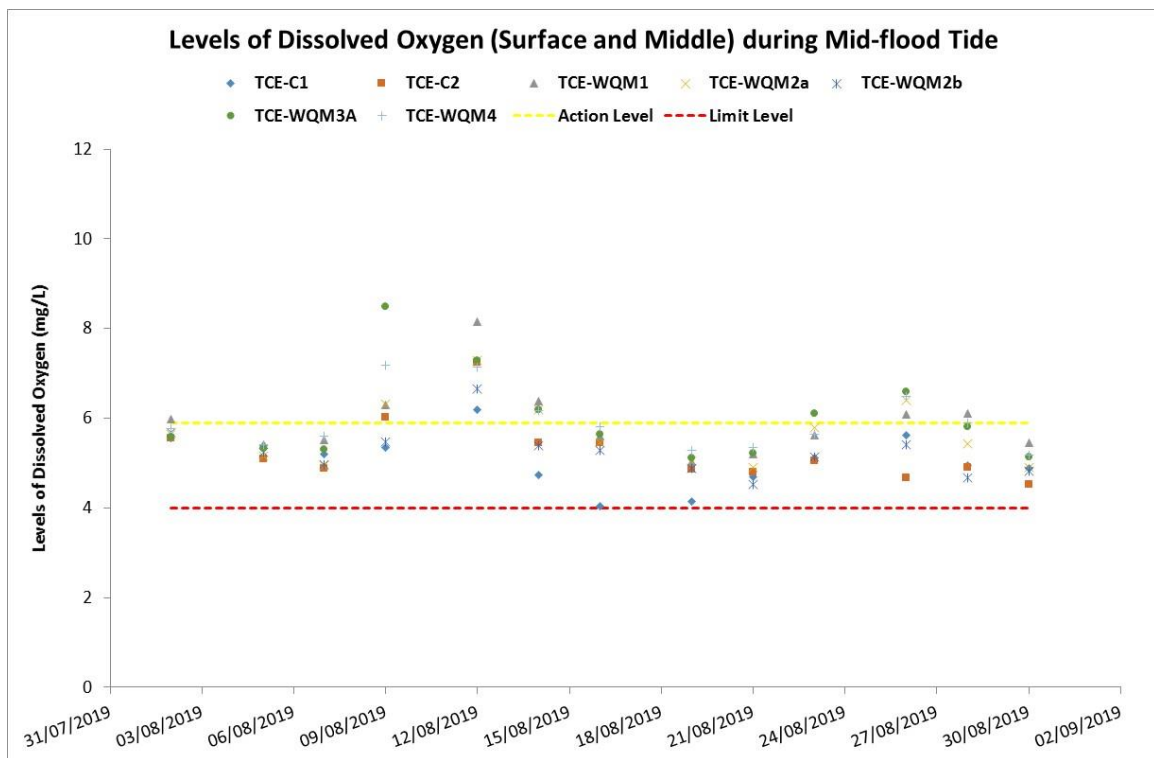


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2019

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

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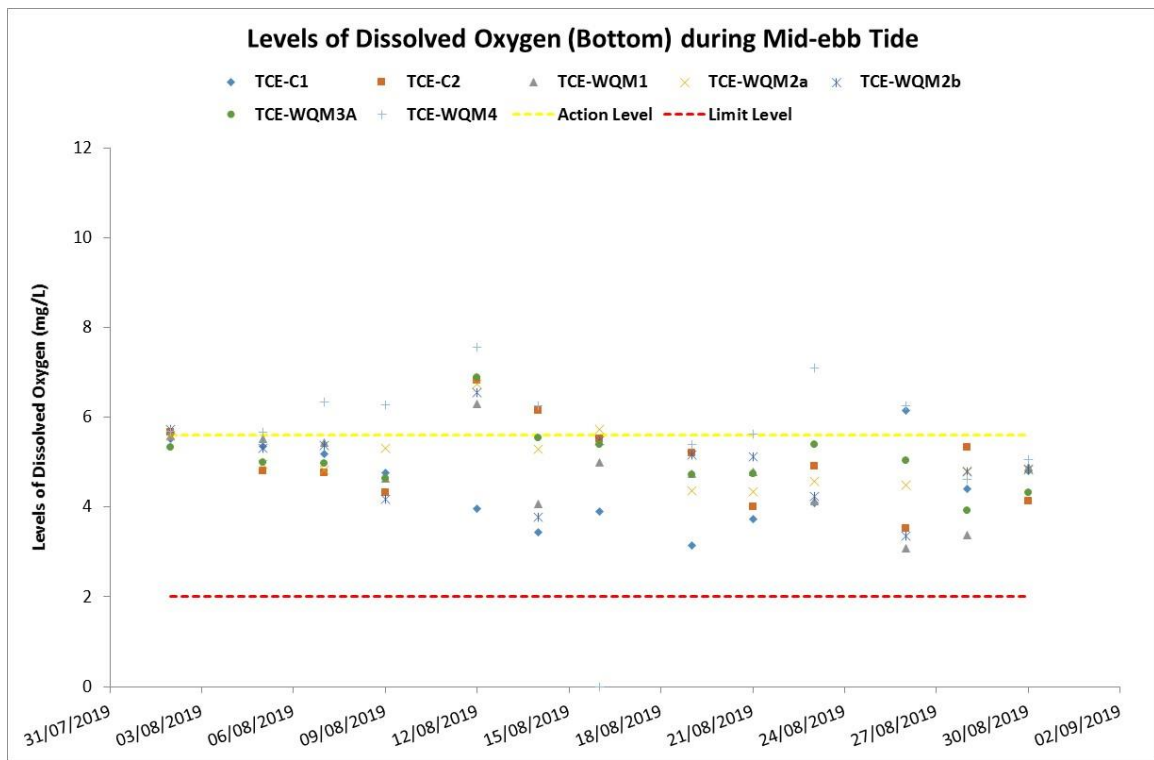


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2019

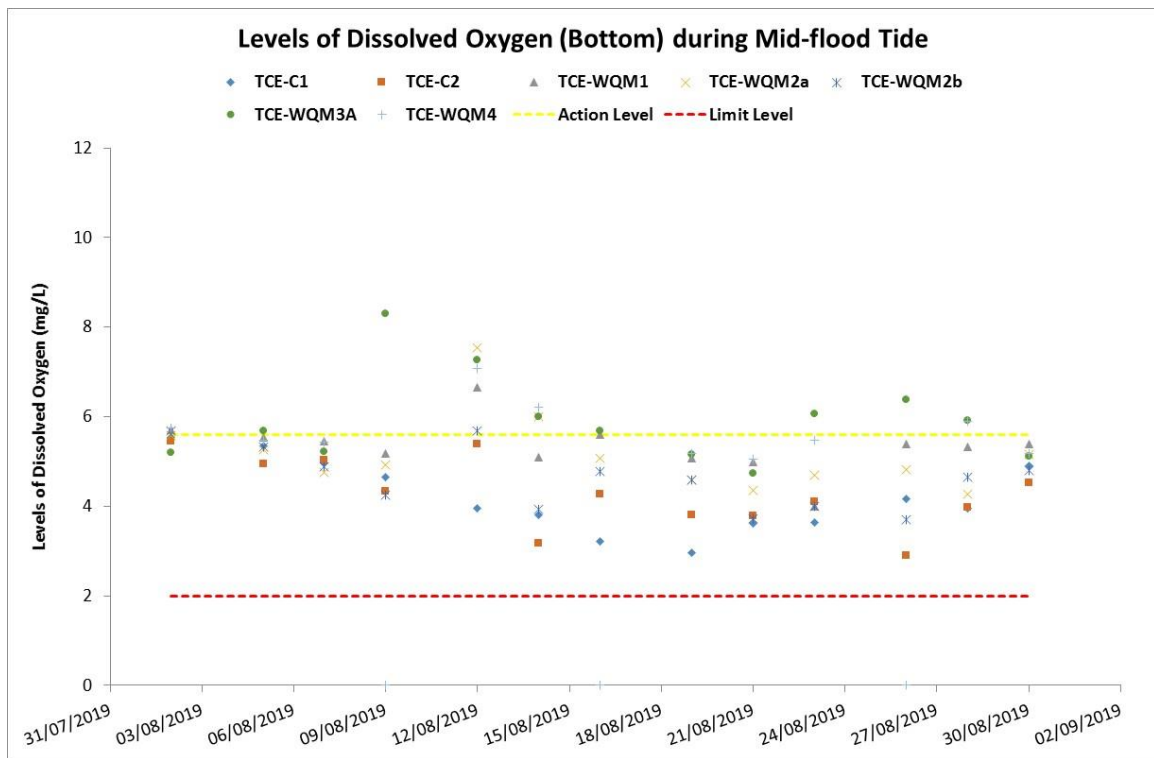


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2019

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

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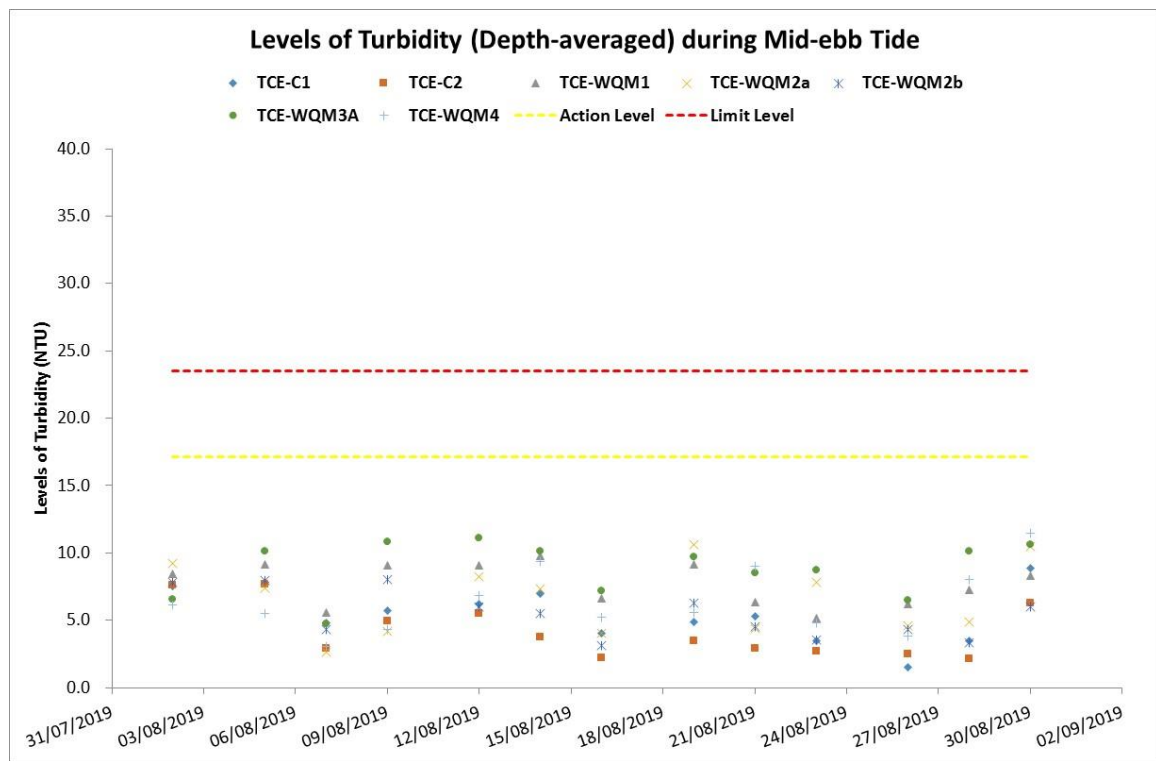


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2019

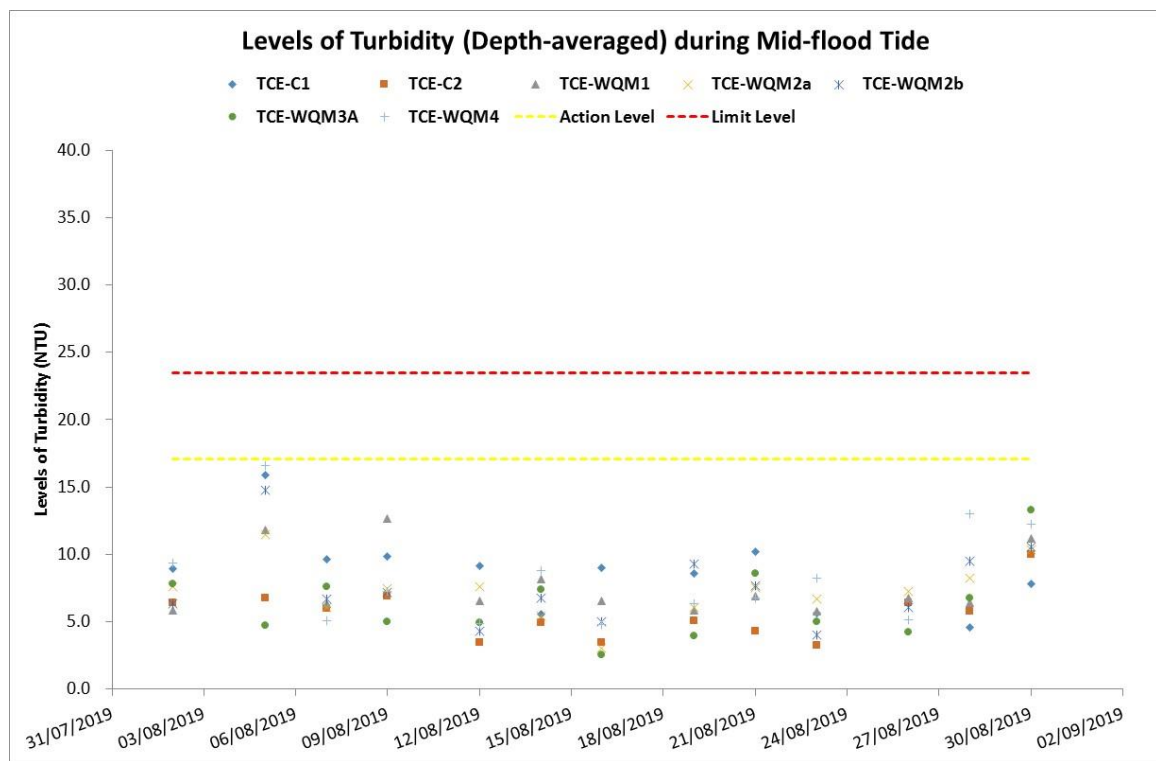


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2019

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

Date: August 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 31 August 2019

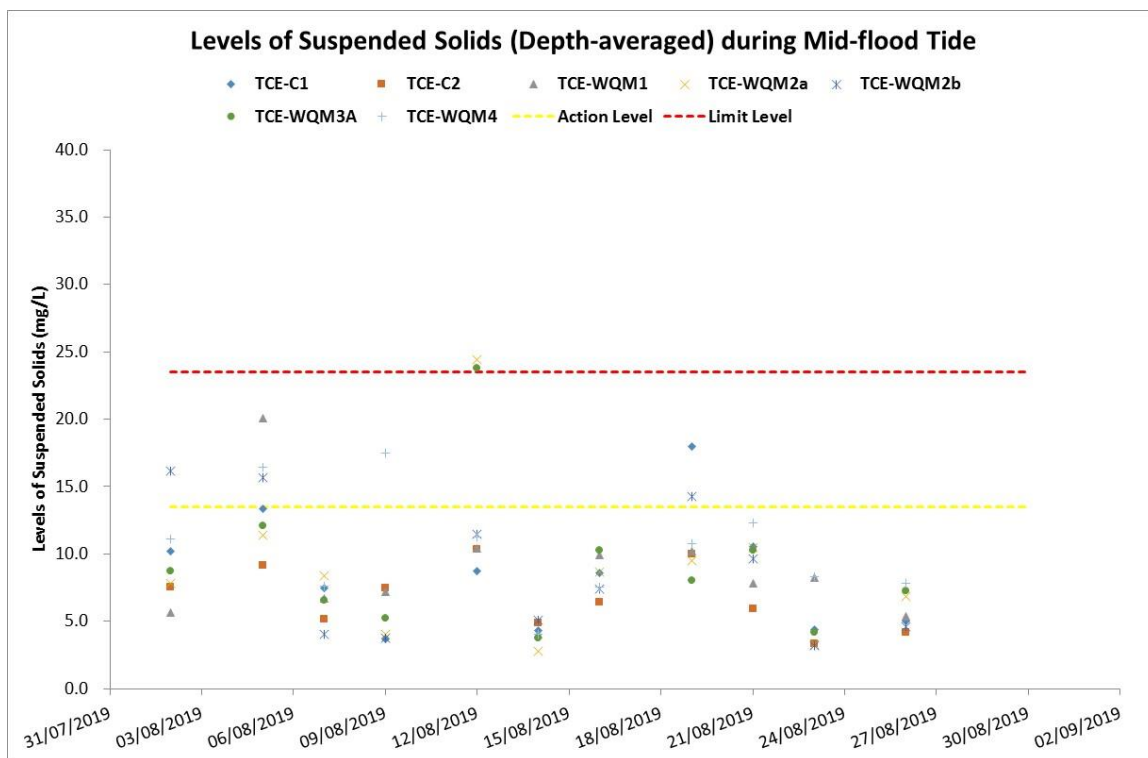


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: August 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)								
02-08-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	12:13	7.5	Surface	1.0	1	26.8	8.0	25.5	5.6	81.2	6.0	8.9	5.5	7.6	10.0								
									2	26.8	8.0	25.5	5.6	81.1	6.0	8.8											
							Middle	3.8	1	26.5	8.0	26.6	5.5	79.0	7.1	10.3											
									2	26.5	8.0	26.6	5.5	79.1	7.1	8.9											
							Bottom	6.5	1	26.5	8.0	26.8	5.5	79.6	9.5	11.6											
									2	26.5	8.0	26.8	5.5	79.7	9.6	11.6											
	TCE-C2	Cloudy	Rough	14:19	14.6	Surface	1.0	1	26.8	7.9	22.8	5.7	81.2	7.1	7.6	5.7	7.6	7.4									
								2	26.8	7.9	22.8	5.7	81.2	7.2	6.1												
						Middle	7.3	1	26.8	7.9	22.9	5.7	80.9	7.4	7.7												
								2	26.8	7.9	22.9	5.7	80.9	7.4	6.0												
						Bottom	13.6	1	26.7	7.9	23.1	5.7	80.5	8.3	9.2												
								2	26.7	7.9	23.1	5.7	80.5	8.3	8.0												
	TCE-WQM1	Cloudy	Rough	13:11	10.4	Surface	1.0	1	26.7	7.9	21.7	5.8	81.1	6.3	6.7	5.6	8.5	10.4									
								2	26.6	7.9	21.7	5.8	81.0	6.3	7.8												
						Middle	5.2	1	26.4	7.9	23.7	5.5	77.7	8.2	10.1												
								2	26.4	7.9	23.7	5.5	77.8	8.2	11.9												
						Bottom	9.4	1	26.4	7.9	24.4	5.6	79.5	10.9	13.4												
								2	26.4	7.9	24.4	5.6	79.6	11.0	12.6												
	TCE-WQM2a	Cloudy	Rough	13:45	8.3	Surface	1.0	1	26.6	7.9	22.0	5.7	80.8	6.8	7.6	5.7	9.2	8.8									
								2	26.6	7.9	22.0	5.7	80.8	6.8	8.0												
						Middle	4.2	1	26.5	7.9	22.5	5.7	79.7	7.9	9.8												
								2	26.5	7.9	22.5	5.6	79.6	8.0	8.7												
						Bottom	7.3	1	26.4	7.9	23.1	5.6	78.8	12.8	8.9												
								2	26.4	7.9	23.1	5.6	78.9	12.8	10.0												
TCE-WQM2b	Cloudy	Rough	13:57	10.7	Surface	1.0	1	27.0	7.8	21.7	6.0	84.5	5.4	5.5	5.8	7.8	6.5										
							2	27.0	7.8	21.7	6.0	84.5	5.4	6.1													
					Middle	5.4	1	26.7	7.9	22.8	5.7	80.1	7.4	6.6													
							2	26.7	7.9	22.8	5.6	80.1	7.5	5.1													
					Bottom	9.7	1	26.6	7.9	22.9	5.7	80.9	10.5	8.3													
							2	26.6	7.9	23.0	5.7	81.4	10.6	7.2													
TCE-WQM3A	Cloudy	Rough	13:34	4.2	Surface	1.0	1	26.6	7.9	20.3	5.6	77.4	6.5	4.5	5.6	6.6	7.1										
							2	26.6	7.9	20.3	5.6	77.4	6.5	5.7													
					Bottom	3.2	1	26.5	7.9	23.0	5.3	75.4	6.6	8.8													
							2	26.5	7.9	23.0	5.3	75.5	6.6	9.3													
					TCE-WQM4	Cloudy	Rough	13:23	3.8	Surface	1.0	1	26.5	7.9				22.0	5.7	79.5	6.0	6.9	5.6	6.1	7.0		
												2	26.5	7.9				22.0	5.6	79.4	6.0	5.6					
Bottom	2.8	1	26.5	7.9						22.1	5.7	79.7	6.3	7.1													
		2	26.5	7.9						22.1	5.7	79.7	6.3	8.5													
02-08-2019	Mid-Flood	TCE-C1	Sunny	Rough						8:13	7.8	Surface	1.0	1	26.8	8.0	25.5	5.6	81.3	7.4	10.0	5.6				9.0	10.2
														2	26.8	8.0	25.5	5.6	81.2	7.4	9.9						
					Middle	3.9	1	26.5	8.0			26.7	5.5	79.2	9.6	9.1											
							2	26.5	8.0			26.7	5.5	79.2	9.6	9.9											
					Bottom	6.8	1	26.5	8.0			26.9	5.5	80.0	9.9	11.5											
							2	26.5	8.0			26.9	5.5	80.1	9.9	10.6											
		TCE-C2	Sunny	Rough	6:07	15.6	Surface	1.0	1	26.5	7.8	23.2	5.7	80.0	5.7	7.6	5.5	6.4	7.5								
									2	26.5	7.8	23.2	5.6	79.9	5.7	7.9											
							Middle	7.8	1	26.4	7.8	24.0	5.5	77.4	6.7	8.1											
									2	26.4	7.8	24.0	5.5	77.5	6.7	7.0											
							Bottom	14.6	1	26.4	7.8	24.2	5.5	77.6	6.9	7.5											
									2	26.4	7.8	24.2	5.5	77.6	7.0	7.0											
	TCE-WQM1	Sunny	Rough	7:27	9.6	Surface	1.0	1	26.3	7.9	21.1	6.1	85.4	4.9	3.8	6.0	5.9	5.7									
								2	26.3	7.9	21.1	6.1	85.3	5.0	4.9												
						Middle	4.8	1	26.3	7.9	21.9	5.8	81.8	6.1	4.2												
								2	26.3	7.9	21.9	5.8	81.7	6.1	5.5												
						Bottom	8.6	1	26.4	7.9	22.3	5.7	80.1	6.5	7.2												
								2	26.4	7.9	22.3	5.7	80.2	6.5	8.4												
	TCE-WQM2a	Sunny	Rough	6:52	8.5	Surface	1.0	1	26.4	7.9	23.0	5.8	81.8	6.6	7.5	5.7	7.6	7.8									
								2	26.4	7.9	23.0	5.8	81.8	6.6	6.7												
						Middle	4.3	1	26.4	7.9	23.7	5.5	78.3	7.7	6.7												
								2	26.4	7.9	23.7	5.5	78.4	7.7	7.3												
						Bottom	7.5	1	26.4	7.9	23.8	5.6	79.1	8.4	8.9												
								2	26.4	7.9	23.8	5.6	79.2	8.5	9.9												
TCE-WQM2b	Sunny	Rough	6:39	11.4	Surface	1.0	1	26.5	7.9	22.9	5.7	80.5	3.3	15.4	5.7	6.4	16.2										
							2	26.5	7.9	22.9	5.7	80.4	3.3	17.8													
					Middle	5.7	1	26.5	7.9	23.3	5.7	80.2	5.0	16.6													
							2	26.5	7.9	23.3	5.7	80.2	5.0	15.4													
					Bottom	10.4	1	26.4	7.9	23.4	5.7	80.6	10.7	15.0													
							2	26.4	7.9	23.4	5.7	80.6	10.8	16.8													
TCE-WQM3A	Sunny	Rough	7:04	4.6	Surface	1.0	1	26.5	7.9	22.8	5.6	78.9	6.4	6.4	5.6	7.8	8.7										
							2	26.5	7.9	22.8	5.6	78.9	6.4	6.4													
					Bottom	3.6	1	26.5	7.8	23.7	5.2	73.8	9.3	11.0													
							2	26.5	7.8	23.7	5.2	73.8	9.3	11.1													
					TCE-WQM4	Sunny	Rough	7:15	3.5	Surface	1.0	1	26.4	7.9				23.2	5.8	81.7	8.4	10.1	5.8	9.4	11.1		
												2	26.4	7.9				23.2	5.8	81.7	8.4	10.9					
Bottom	2.5	1	26.4	7.9						23.4	5.7	81.3	10.4	12.6													
		2	26.4	7.9						23.4	5.7	81.3	10.3	10.8													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged											
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)									
05-08-2019	Mid-Ebb	TCE-C1	Sunny	Moderate	14:33	7.9	Surface	1.0	1	27.9	7.9	21.5	5.7	81.6	4.1	5.9	5.5	7.8	9.2									
									2	27.9	7.9	21.4	5.7	81.7	4.0	6.7												
							Middle	4.0	1	27.1	7.9	26.8	5.4	78.2	8.3	9.8												
									2	27.1	7.9	26.9	5.4	78.2	8.7	8.7												
							Bottom	6.9	1	27.1	7.9	27.1	5.4	78.2	10.7	11.4												
									2	27.1	7.9	27.1	5.4	78.2	11.0	12.7												
		TCE-C2	Sunny	Moderate	16:21	12.7	Surface	1.0	1	28.2	7.7	20.0	5.4	76.9	5.0	7.0	5.3	7.7	10.5									
									2	28.2	7.7	20.0	5.4	76.8	5.0	8.4												
							Middle	6.4	1	27.9	7.8	20.4	5.2	74.4	6.3	9.3												
									2	27.8	7.8	20.4	5.2	74.4	6.8	10.4												
							Bottom	11.7	1	27.3	7.8	23.9	4.8	69.2	11.5	13.6												
									2	27.3	7.8	23.9	4.8	69.2	11.6	14.3												
		TCE-WQM1	Sunny	Calm	15:13	8.4	Surface	1.0	1	28.1	7.8	20.7	5.5	79.6	7.6	8.6	5.5	9.2	10.1									
									2	28.1	7.8	20.7	5.5	79.4	7.6	8.6												
							Middle	4.2	1	28.0	7.8	20.7	5.5	79.0	9.2	9.8												
									2	28.0	7.8	20.8	5.5	79.0	9.5	9.4												
							Bottom	7.4	1	27.9	7.8	20.9	5.5	79.1	10.8	11.4												
									2	27.9	7.8	20.9	5.5	79.2	10.4	12.7												
		TCE-WQM2a	Sunny	Moderate	15:47	8.5	Surface	1.0	1	27.9	7.7	21.0	5.3	76.3	8.7	10.5	5.2	7.4	10.5									
									2	27.9	7.7	21.0	5.3	76.3	8.7	9.5												
							Middle	4.3	1	27.4	7.7	21.6	5.0	71.8	5.9	11.7												
									2	27.4	7.7	21.6	5.0	71.6	5.8	11.6												
							Bottom	7.5	1	27.3	7.7	23.3	5.0	71.2	7.6	10.2												
									2	27.3	7.7	23.3	5.0	71.2	7.8	9.4												
	TCE-WQM2b	Sunny	Moderate	16:00	10.9	Surface	1.0	1	28.3	7.7	19.6	5.6	80.2	3.4	5.4	5.4	7.9	7.6										
								2	28.2	7.7	19.8	5.6	80.0	4.0	5.2													
						Middle	5.5	1	27.7	7.7	20.9	5.2	74.2	9.6	8.4													
								2	27.7	7.7	20.9	5.2	74.3	9.8	7.6													
						Bottom	9.9	1	27.7	7.8	21.0	5.3	75.7	10.4	9.9													
								2	27.7	7.8	21.0	5.3	76.0	10.3	9.2													
	TCE-WQM3A	Sunny	Calm	15:37	3.7	Surface	1.0	1	27.8	7.7	20.1	5.2	73.7	7.3	5.8	5.2	10.2	9.1										
								2	27.8	7.7	20.2	5.2	73.7	7.7	5.8													
						Bottom	2.7	1	27.6	7.7	20.7	5.0	70.8	12.9	13.0													
								2	27.6	7.7	20.7	5.0	71.1	12.8	11.9													
						TCE-WQM4	Sunny	Calm	15:26	3.2	Surface	1.0	1	28.6	7.7				19.9	5.7	82.3	4.2	8.1	5.7	5.5	9.4		
													2	28.6	7.7				19.9	5.7	82.3	4.2	8.3					
	Bottom	2.2	1	28.4	7.7						20.3	5.7	81.6	6.6	11.1													
			2	28.4	7.7						20.3	5.7	81.5	7.0	10.0													
	05-08-2019	Mid-Flood	TCE-C1	Fine	Moderate						10:19	8.2	Surface	1.0	1	27.4	7.9	21.4	5.5	77.7	10.4	7.8	5.4				15.9	13.3
															2	27.4	7.9	21.5	5.5	77.7	10.6	7.6						
						Middle	4.1	1	27.1	7.9			25.2	5.3	77.3	17.0	13.9											
								2	27.1	7.9			25.2	5.3	77.4	17.0	14.4											
						Bottom	7.2	1	27.1	7.9			26.1	5.3	77.7	20.1	18.4											
								2	27.1	7.9			26.1	5.4	77.8	20.3	17.9											
			TCE-C2	Fine	Moderate	8:24	12.4	Surface	1.0	1	27.5	7.7	19.8	5.3	75.2	3.6	10.2	5.1	6.8	9.1								
										2	27.5	7.7	19.8	5.3	75.3	3.6	9.2											
								Middle	6.2	1	27.0	7.8	23.6	4.8	69.3	8.0	8.8											
										2	27.0	7.8	23.7	4.8	69.3	8.0	8.0											
Bottom								11.4	1	26.9	7.8	24.6	4.9	70.9	8.7	9.9												
									2	26.9	7.8	24.6	4.9	71.1	8.8	8.7												
TCE-WQM1			Fine	Moderate	9:35	8.3	Surface	1.0	1	27.5	7.8	20.5	5.4	76.4	10.9	14.7	5.4	11.8	20.1									
									2	27.5	7.8	20.6	5.4	76.5	10.8	12.8												
							Middle	4.2	1	27.4	7.8	20.8	5.4	77.1	10.1	23.2												
									2	27.4	7.8	20.8	5.4	77.2	9.7	20.0												
							Bottom	7.3	1	27.4	7.8	20.8	5.5	78.5	14.2	24.4												
									2	27.4	7.8	20.8	5.6	78.9	15.0	25.2												
TCE-WQM2a			Fine	Moderate	9:02	8.2	Surface	1.0	1	27.4	7.8	20.1	5.2	73.1	6.5	8.3	5.2	11.5	11.4									
									2	27.4	7.8	20.1	5.2	73.1	6.5	8.9												
							Middle	4.1	1	27.2	7.8	20.8	5.1	72.6	15.6	12.4												
									2	27.2	7.8	20.8	5.1	72.7	16.2	11.8												
							Bottom	7.2	1	27.2	7.8	20.8	5.3	74.3	12.1	12.8												
									2	27.3	7.8	20.8	5.3	74.9	12.0	14.2												
TCE-WQM2b		Fine	Moderate	8:49	10.2	Surface	1.0	1	27.4	7.8	20.5	5.2	74.2	7.9	15.3	5.2	14.8	15.7										
								2	27.4	7.8	20.5	5.2	74.2	7.9	15.4													
						Middle	5.1	1	27.4	7.8	20.7	5.3	74.5	12.2	14.8													
								2	27.4	7.8	20.7	5.3	74.5	13.2	15.1													
						Bottom	9.2	1	27.3	7.8	21.1	5.3	75.8	23.6	17.8													
								2	27.3	7.8	21.1	5.3	75.9	23.9	15.7													
TCE-WQM3A		Fine	Calm	9:14	4.3	Surface	1.0	1	27.5	7.8	19.7	5.3	75.2	4.8	8.8	5.3	4.7	12.1										
								2	27.5	7.8	19.7	5.3	75.4	4.9	8.3													
						Bottom	3.3	1	27.6	7.8	19.7	5.7	80.2	4.6	15.1													
								2	27.6	7.8	19.7	5.7	80.7	4.6	16.2													
						TCE-WQM4	Fine	Calm	9:25	3.6	Surface	1.0	1	27.5	7.8				19.8	5.4	76.4	13.8	11.9	5.4	16.6	16.5		
													2	27.4	7.8				19.8	5.4	76.4	14.6	10.5					
Bottom		2.6	1	27.4	7.8						19.8	5.5	77.1	19.0	22.8													
			2	27.4	7.8						19.8	5.5	77.4	19.1	20.6													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
07-08-2019	Mid-Ebb	TCE-C1	Fine	Moderate	16:21	8.4	Surface	1.0	1	28.8	8.0	21.2	6.1	88.9	2.7	6.2	5.7	4.8	5.6								
									2	28.8	8.0	21.2	6.1	88.9	2.7	7.1											
							Middle	4.2	1	27.6	8.0	26.6	5.3	77.6	4.9	5.7											
									2	27.6	8.0	26.6	5.3	77.6	4.9	5.8											
							Bottom	7.4	1	27.4	8.1	27.6	5.2	76.5	6.9	4.9											
									2	27.4	8.1	27.6	5.2	76.5	6.9	3.9											
		TCE-C2	Fine	Moderate	18:06	12.4	Surface	1.0	1	29.1	8.0	20.4	6.2	90.4	1.6	5.2	5.6	2.9	5.2								
									2	29.1	8.0	20.4	6.2	90.4	1.6	5.5											
							Middle	6.2	1	28.1	7.9	22.8	4.9	71.4	2.6	5.7											
									2	28.1	7.9	22.8	4.9	71.4	2.6	5.6											
							Bottom	11.4	1	27.5	8.0	26.0	4.8	69.8	4.6	5.0											
									2	27.5	8.0	26.0	4.8	69.8	4.6	4.3											
	TCE-WQM1	Fine	Moderate	16:59	8.9	Surface	1.0	1	29.2	8.0	20.5	5.9	86.4	3.7	7.6	5.7	5.6	7.7									
								2	29.2	8.0	20.5	5.9	86.4	3.7	7.7												
						Middle	4.5	1	28.8	8.0	20.9	5.5	80.6	5.5	7.9												
								2	28.8	8.0	20.9	5.5	80.6	5.5	7.4												
						Bottom	7.9	1	28.5	8.0	21.4	5.4	78.9	7.6	7.5												
								2	28.5	8.0	21.4	5.4	78.9	7.6	8.1												
	TCE-WQM2a	Fine	Moderate	17:32	7.7	Surface	1.0	1	28.7	8.0	20.7	5.9	84.8	2.7	7.4	5.4	2.6	8.1									
								2	28.7	8.0	20.7	5.9	84.8	2.7	8.0												
						Middle	3.9	1	28.1	7.9	21.5	4.9	70.3	2.7	7.1												
								2	28.1	7.9	21.5	4.9	70.3	2.7	7.8												
						Bottom	6.7	1	27.7	7.9	24.6	4.8	70.3	2.4	8.5												
								2	27.7	7.9	24.6	4.8	70.3	2.4	9.5												
TCE-WQM2b	Fine	Moderate	17:44	10.6	Surface	1.0	1	29.4	8.0	18.6	6.1	88.7	1.9	7.0	5.7	4.3	6.0										
							2	29.4	8.0	18.6	6.1	88.7	1.9	7.2													
					Middle	5.3	1	28.4	7.9	20.9	5.3	77.0	4.7	6.1													
							2	28.4	7.9	20.9	5.3	77.0	4.7	5.4													
					Bottom	9.6	1	28.3	7.9	21.0	5.4	77.4	6.4	5.4													
							2	28.3	7.9	21.0	5.4	77.4	6.4	5.0													
TCE-WQM3A	Fine	Moderate	17:22	3.8	Surface	1.0	1	28.9	8.0	20.1	5.9	85.5	3.7	8.6	5.9	4.7	7.4										
							2	28.9	8.0	20.1	5.9	85.5	3.7	7.6													
					Bottom	2.8	1	28.3	7.9	20.8	5.0	71.8	5.7	6.2													
							2	28.3	7.9	20.8	5.0	71.8	5.7	7.2													
					TCE-WQM4	Fine	Moderate	17:11	3.2	Surface	1.0	1	29.5	8.1				19.9	6.9	101.2	2.7	9.5	6.9	3.1	8.1		
												2	29.5	8.1				19.9	6.9	101.2	2.7	9.1					
Bottom	2.2	1	28.7	8.0						20.1	6.3	91.6	3.4	6.7													
		2	28.7	8.0						20.1	6.3	91.6	3.4	7.2													
07-08-2019	Mid-Flood	TCE-C1	Fine	Moderate						12:42	8.9	Surface	1.0	1	28.1	8.0	21.2	5.3	76.9	9.8	7.3	5.2				9.6	7.5
														2	28.1	8.0	21.2	5.3	76.9	9.8	8.2						
					Middle	4.5	1	27.5	8.0			26.7	5.1	74.1	9.7	7.0											
							2	27.5	8.0			26.7	5.1	74.1	9.7	7.3											
					Bottom	7.9	1	27.4	8.1			27.0	5.0	73.0	9.3	7.5											
							2	27.4	8.1			27.0	5.0	73.0	9.3	7.6											
		TCE-C2	Fine	Moderate	10:35	12.6	Surface	1.0	1	28.1	7.8	20.9	5.0	71.8	4.2	3.6	4.9	6.0	5.2								
									2	28.1	7.8	20.9	5.0	71.8	4.2	4.6											
							Middle	6.3	1	27.7	7.8	24.2	4.8	69.6	5.1	5.9											
									2	27.7	7.8	24.2	4.8	69.6	5.1	5.6											
							Bottom	11.6	1	27.4	7.9	27.0	5.0	74.0	8.6	5.8											
									2	27.4	7.9	27.0	5.0	74.0	8.6	5.5											
	TCE-WQM1	Fine	Moderate	11:45	8.3	Surface	1.0	1	28.6	7.9	19.9	5.6	81.0	6.9	6.0	5.5	6.3	6.7									
								2	28.6	7.9	19.9	5.6	81.0	6.9	5.0												
						Middle	4.2	1	28.4	7.9	20.2	5.4	77.6	6.9	6.9												
								2	28.4	7.9	20.2	5.4	77.6	6.9	7.8												
						Bottom	7.3	1	28.4	7.9	20.4	5.5	78.6	5.2	7.0												
								2	28.4	7.9	20.4	5.5	78.6	5.2	7.6												
	TCE-WQM2a	Fine	Moderate	11:12	7.3	Surface	1.0	1	28.4	7.8	20.0	5.2	74.4	6.6	6.7	5.0	6.1	8.4									
								2	28.4	7.8	20.0	5.2	74.4	6.6	7.7												
						Middle	3.7	1	28.0	7.8	22.0	4.7	68.4	4.3	7.8												
								2	28.0	7.8	22.0	4.7	68.4	4.2	8.1												
						Bottom	6.3	1	27.9	7.8	22.6	4.8	68.8	7.3	9.5												
								2	27.9	7.8	22.6	4.8	68.8	7.3	10.4												
TCE-WQM2b	Fine	Moderate	10:59	10.6	Surface	1.0	1	28.2	7.8	20.8	5.1	72.8	4.0	3.5	5.0	6.7	4.0										
							2	28.2	7.8	20.8	5.1	72.8	4.0	4.0													
					Middle	5.3	1	28.0	7.8	21.9	4.9	70.5	6.9	4.1													
							2	28.0	7.8	21.9	4.9	70.5	6.9	3.5													
					Bottom	9.6	1	27.9	7.8	23.0	4.9	70.8	9.1	4.3													
							2	27.9	7.8	23.0	4.9	70.8	9.1	4.6													
TCE-WQM3A	Fine	Moderate	11:23	3.9	Surface	1.0	1	28.5	7.8	19.7	5.3	76.4	5.3	7.9	5.3	7.6	6.6										
							2	28.5	7.8	19.7	5.3	76.4	5.3	6.9													
					Bottom	2.9	1	28.3	7.8	20.5	5.2	75.2	9.9	5.6													
							2	28.3	7.8	20.5	5.2	75.2	9.9	5.8													
					TCE-WQM4	Fine	Moderate	11:34	3.3	Surface	1.0	1	28.5	7.9				19.9	5.6	80.6	4.1	8.2	5.6	5.1	7.6		
												2	28.5	7.9				19.9	5.6	80.6	4.1	7.7					
Bottom	2.3	1	28.3	7.9						20.1	5.4	78.1	6.1	7.0													
		2	28.3	7.9						20.1	5.4	78.1	6.1	7.6													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged											
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)									
09-08-2019	Mid-Ebb	TCE-C1	Fine	Moderate	9:33	7.9	Surface	1.0	1	28.5	7.9	20.3	5.6	80.1	3.9	3.3	5.2	5.7	3.6									
									2	28.5	7.9	20.3	5.5	80.0	3.9	3.9												
							Middle	4.0	1	27.8	7.9	26.6	4.9	72.8	3.6	4.0												
									2	27.8	7.9	26.6	4.9	72.8	3.6	3.2												
							Bottom	6.9	1	27.4	7.9	28.6	4.8	70.6	9.3	3.3												
									2	27.4	7.9	28.6	4.8	70.7	9.9	3.8												
		TCE-C2	Fine	Moderate	7:26	12.8	Surface	1.0	1	29.1	7.9	17.7	6.1	89.0	3.7	4.3	5.8	4.9	3.4									
									2	29.1	7.9	17.6	6.1	89.0	3.7	3.4												
							Middle	6.4	1	28.7	7.9	22.0	5.5	81.1	4.0	4.1												
									2	28.7	7.9	22.0	5.5	81.3	4.0	3.1												
							Bottom	11.8	1	27.5	7.9	28.7	4.3	63.9	7.2	2.4												
									2	27.5	7.9	28.8	4.3	64.1	6.9	3.0												
		TCE-WQM1	Fine	Calm	8:47	9.0	Surface	1.0	1	29.2	7.8	19.5	5.8	84.5	4.5	2.5	5.2	9.1	2.8									
									2	29.2	7.8	19.6	5.8	84.3	4.6	3.4												
							Middle	4.5	1	28.1	7.8	24.6	4.7	68.7	9.3	3.1												
									2	28.1	7.8	24.6	4.7	68.7	9.2	2.6												
							Bottom	8.0	1	27.8	7.8	26.2	4.6	68.2	13.6	2.7												
									2	27.8	7.8	26.2	4.6	68.4	13.5	2.5												
		TCE-WQM2a	Fine	Moderate	8:10	7.1	Surface	1.0	1	29.0	7.8	20.5	6.0	87.1	4.7	3.0	5.9	4.2	3.4									
									2	29.0	7.8	20.5	6.0	87.1	4.7	2.0												
							Middle	3.6	1	29.0	7.8	20.9	5.8	85.5	4.7	4.3												
									2	29.0	7.8	20.9	5.8	85.7	4.7	4.3												
							Bottom	6.1	1	28.5	7.8	23.7	5.3	79.2	3.1	3.9												
									2	28.5	7.8	23.6	5.3	79.2	3.1	3.1												
	TCE-WQM2b	Fine	Moderate	7:58	10.7	Surface	1.0	1	29.0	7.8	16.3	5.8	82.8	3.9	2.6	5.4	8.1	2.8										
								2	29.0	7.8	16.3	5.8	82.7	4.0	3.6													
						Middle	5.4	1	28.6	7.8	20.6	5.0	72.6	8.9	2.7													
								2	28.6	7.8	20.6	5.0	72.5	8.9	3.5													
						Bottom	9.7	1	27.4	7.8	29.3	4.2	62.0	11.6	2.2													
								2	27.4	7.8	29.3	4.2	62.1	11.1	2.4													
	TCE-WQM3A	Fine	Calm	8:23	4.3	Surface	1.0	1	29.0	7.7	20.3	4.9	71.2	9.4	8.6	4.9	10.8	9.2										
								2	29.0	7.7	20.3	4.9	71.2	9.4	9.6													
						Bottom	3.3	1	28.6	7.7	22.0	4.6	67.4	12.2	9.7													
								2	28.6	7.7	22.0	4.6	67.4	12.2	8.7													
						TCE-WQM4	Fine	Calm	8:35	3.2	Surface	1.0	1	29.2	7.8				19.3	6.3	93.3	4.0	2.5	6.3	4.3	3.2		
													2	29.2	7.8				19.3	6.3	93.2	4.0	3.5					
	Bottom	2.2	1	29.2	7.8						19.6	6.3	92.7	4.6	3.6													
			2	29.2	7.8						19.6	6.3	92.8	4.6	3.2													
	09-08-2019	Mid-Flood	TCE-C1	Fine	Moderate						13:20	7.6	Surface	1.0	1	29.7	8.0	17.5	6.0	88.2	4.9	3.9	5.3				9.8	3.7
															2	29.7	8.0	17.5	6.0	88.0	5.0	4.6						
						Middle	3.8	1	27.8	8.0			26.0	4.7	69.3	8.9	4.2											
								2	27.8	8.0			26.1	4.7	69.2	9.2	3.2											
						Bottom	6.6	1	27.6	8.1			28.4	4.7	69.1	15.6	2.6											
								2	27.6	8.1			28.4	4.7	69.2	15.5	3.7											
			TCE-C2	Fine	Moderate	15:22	12.1	Surface	1.0	1	30.1	8.0	18.1	7.5	112.6	4.1	6.0	6.0	6.9	7.5								
										2	30.1	8.0	18.1	7.5	112.4	4.1	6.5											
								Middle	6.1	1	27.8	7.8	27.0	4.5	67.0	7.1	8.4											
										2	27.8	7.8	27.0	4.5	67.0	7.1	8.5											
Bottom								11.1	1	27.4	7.8	29.9	4.3	64.7	9.4	7.4												
									2	27.4	7.8	29.9	4.4	65.0	9.4	7.9												
TCE-WQM1		Fine	Calm	14:05	8.5	Surface	1.0	1	29.7	7.9	20.0	6.8	101.5	9.0	3.7	6.3	12.6	7.2										
								2	29.6	7.8	20.0	6.8	101.1	9.3	4.4													
						Middle	4.3	1	29.2	7.8	20.6	5.8	86.9	13.2	6.4													
								2	29.2	7.8	20.6	5.8	86.8	13.3	5.6													
						Bottom	7.5	1	28.7	7.8	22.7	5.2	75.9	15.4	11.1													
								2	28.7	7.8	22.7	5.2	76.1	15.8	12.0													
TCE-WQM2a		Fine	Moderate	14:41	6.7	Surface	1.0	1	29.4	7.9	19.4	7.3	108.0	6.8	3.1	6.3	7.5	4.0										
								2	29.4	7.9	19.4	7.3	108.0	6.8	3.0													
						Middle	3.4	1	28.7	7.8	21.5	5.4	79.8	6.2	4.9													
								2	28.7	7.8	21.5	5.4	79.7	6.2	5.0													
						Bottom	5.7	1	28.3	7.8	23.7	4.9	72.0	9.5	4.6													
								2	28.3	7.8	23.7	4.9	72.1	9.4	3.6													
TCE-WQM2b	Fine	Moderate	14:54	11.2	Surface	1.0	1	29.5	7.9	19.1	6.5	95.9	4.3	2.6	5.5	7.2	3.8											
							2	29.4	7.8	19.3	6.5	96.3	4.3	2.7														
					Middle	5.6	1	28.1	7.8	25.0	4.5	65.9	8.3	3.7														
							2	28.1	7.8	25.0	4.5	65.9	8.3	4.1														
					Bottom	10.2	1	27.8	7.8	27.0	4.2	62.6	8.9	5.0														
							2	27.8	7.8	27.0	4.2	62.7	8.9	4.5														
TCE-WQM3A	Fine	Calm	14:30	3.9	Surface	1.0	1	30.2	8.0	18.2	8.5	126.9	4.4	4.6	8.5	5.0	5.2											
							2	30.2	8.0	18.2	8.5	126.9	4.3	4.2														
					Bottom	2.9	1	30.1	8.0	18.5	8.3	124.2	5.4	6.0														
							2	30.0	8.0	18.6	8.3	124.0	5.8	6.1														
					TCE-WQM4	Fine	Calm	14:19	2.8	Middle	1.4	1	29.7	7.9				19.2	7.2	106.9	7.3	17.5	7.2	7.3	17.5			
												2	29.7	7.9				19.2	7.2	106.9	7.2	17.4						

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged								
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
12-08-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	9:28	7.5	Surface	1.0	1	29.2	8.3	15.2	6.9	98.0	6.2	5.1	6.0	6.2	7.0						
									2	29.1	8.3	15.2	6.8	96.9	6.3	5.1									
							Middle	3.8	1	28.0	8.2	21.7	5.1	73.7	5.4	6.3									
									2	28.0	8.2	21.8	5.1	73.4	5.3	7.2									
							Bottom	6.5	1	26.8	8.2	31.5	4.0	59.0	7.0	8.8									
									2	26.8	8.2	31.6	4.0	59.3	7.1	9.7									
													4.0												
				TCE-C2	Cloudy	Rough	11:25	14.5	Surface	1.0	1	29.3	8.4	16.4	7.4	105.5	4.8	3.0	7.2	5.5	4.9				
									2	29.3	8.4	16.4	7.4	105.4	4.8	3.2									
		Middle	7.3						1	29.2	8.4	16.7	7.1	102.1	5.0	5.2									
									2	29.2	8.4	16.7	7.1	102.1	5.0	4.2									
		Bottom	13.5						1	29.1	8.4	18.3	6.8	98.4	6.7	7.3									
			2						29.1	8.4	18.4	6.8	98.3	6.7	6.5										
			TCE-WQM1	Cloudy	Rough	10:16	10.3	Surface	1.0	1	29.7	8.6	16.4	7.1	102.6	6.5	6.5	7.0	9.0	7.1					
								2	29.7	8.6	16.4	7.1	102.4	6.5	7.5										
	Middle	5.2						1	29.5	8.6	18.7	6.8	99.3	9.4	7.1										
								2	29.4	8.6	18.7	6.8	99.0	9.5	7.6										
	Bottom	9.3						1	29.1	8.6	20.6	6.3	91.6	11.2	6.9										
								2	29.1	8.6	20.6	6.3	91.7	11.2	7.0										
			TCE-WQM2a	Cloudy	Rough	10:49	8.2	Surface	1.0	1	29.3	8.3	18.2	7.1	102.5	5.1	5.0	7.0	8.3	6.2					
								2	29.3	8.3	18.2	7.1	102.5	5.1	4.3										
	Middle	4.1						1	29.2	8.3	18.3	7.0	100.8	8.4	5.6										
		2						29.2	8.3	18.3	7.0	100.6	8.5	5.9											
Bottom	7.2	1						29.1	8.3	18.7	6.7	97.4	11.2	7.9											
		2						29.1	8.3	18.7	6.7	97.2	11.2	8.2											
		TCE-WQM2b	Cloudy	Rough	11:01	11.0	Surface	1.0	1	29.3	8.3	15.4	6.9	97.7	4.5	3.5	6.7	6.0	4.2						
							2	29.3	8.3	15.4	6.9	97.6	4.5	4.2											
Middle	5.5						1	29.1	8.2	16.2	6.6	93.8	5.0	3.5											
							2	29.1	8.2	16.2	6.6	93.7	5.0	3.6											
Bottom	10.0						1	29.1	8.2	16.3	6.6	93.3	8.4	4.8											
							2	29.1	8.2	16.3	6.5	93.2	8.5	5.7											
		TCE-WQM3A	Cloudy	Rough	10:39	4.1	Surface	1.0	1	29.4	8.4	17.0	6.9	99.0	8.4	3.8	6.9	11.1	5.4						
							2	29.4	8.4	17.0	6.9	99.1	8.5	4.8											
Bottom	3.1						1	29.4	8.4	17.0	6.9	99.0	13.8	6.0											
							2	29.4	8.4	17.0	6.9	98.9	13.7	7.0											
		TCE-WQM4	Cloudy	Rough	10:27	3.9	Surface	1.0	1	29.7	8.5	17.4	7.9	114.3	5.3	5.4	7.9	6.8	5.7						
							2	29.7	8.5	17.4	7.9	114.1	5.3	4.8											
Bottom	2.9						1	29.7	8.5	17.5	7.6	109.7	8.3	6.1											
							2	29.7	8.5	17.5	7.6	109.5	8.3	6.3											
12-08-2019	Mid-Flood	TCE-C1	Fine	Rough	5:08	7.6	Surface	1.0	1	29.1	8.3	15.0	6.6	93.4	5.6	8.3	6.2	9.1	8.7						
									2	29.1	8.3	15.0	6.6	93.2	5.6	9.3									
							Middle	3.8	1	29.0	8.2	16.0	5.8	82.9	9.6	9.0									
									2	29.0	8.2	16.1	5.7	81.0	9.6	8.1									
							Bottom	6.6	1	26.8	8.1	30.6	4.0	58.8	12.1	8.8									
									2	26.8	8.1	30.6	4.0	58.9	12.2	8.7									
				TCE-C2	Fine	Rough	3:08	15.6	Surface	1.0	1	29.3	8.2	15.9	7.3	104.3	3.5	9.8	7.2	3.4	10.4				
									2	29.3	8.2	15.9	7.3	104.2	3.6	10.8									
		Middle	7.8						1	29.3	8.2	16.1	7.2	103.0	3.7	10.0									
									2	29.3	8.2	16.2	7.2	102.8	3.7	9.2									
		Bottom	14.6						1	28.0	8.1	24.0	5.4	78.7	3.1	10.4									
									2	28.0	8.1	24.0	5.4	78.8	3.0	11.9									
				TCE-WQM1	Fine	Rough	4:21	10.5	Surface	1.0	1	29.7	8.4	17.8	8.2	118.8	5.4	10.3	8.1	6.5	10.4				
									2	29.7	8.4	17.8	8.2	118.8	5.4	9.9									
		Middle	5.3						1	29.6	8.4	17.9	8.1	118.2	5.5	10.2									
									2	29.6	8.4	17.9	8.1	118.3	5.5	11.2									
		Bottom	9.5						1	29.1	8.2	19.3	6.7	96.5	8.6	10.0									
									2	29.1	8.2	19.3	6.7	96.7	8.6	10.8									
				TCE-WQM2a	Fine	Rough	3:45	8.7	Surface	1.0	1	29.3	8.3	17.0	7.2	104.0	4.2	26.2	7.3	7.6	24.4				
									2	29.3	8.3	17.0	7.2	104.0	4.2	29.2									
		Middle	4.4						1	29.4	8.3	17.3	7.4	107.6	10.1	21.9									
		2	29.4						8.3	17.3	7.4	107.6	10.0	20.6											
Bottom	7.7	1	29.4						8.3	17.5	7.5	108.8	8.5	25.1											
		2	29.4						8.3	17.5	7.5	108.8	8.5	23.4											
		TCE-WQM2b	Fine	Rough	3:32	11.8	Surface	1.0	1	29.4	8.1	15.0	6.7	95.6	4.0	9.1	6.7	4.3	11.5						
							2	29.4	8.1	15.0	6.7	95.6	4.0	8.2											
Middle	5.9						1	29.2	8.2	15.5	6.7	94.5	4.2	10.0											
							2	29.2	8.2	15.4	6.6	94.3	4.3	11.5											
Bottom	10.8						1	28.5	8.1	22.0	5.7	82.5	4.7	14.0											
							2	28.6	8.1	22.0	5.7	83.1	4.7	16.1											
		TCE-WQM3A	Fine	Rough	3:58	4.6	Surface	1.0	1	29.3	8.3	16.7	7.3	106.5	4.6	24.2	7.3	4.9	23.8						
							2	29.3	8.3	16.7	7.3	106.4	4.6	23.8											
Bottom	3.6						1	29.4	8.3	16.9	7.3	106.0	5.3	23.7											
							2	29.4	8.3	16.9	7.3	106.0	5.3	23.5											
		TCE-WQM4	Fine	Rough	4:09	4.2	Surface	1.0	1	29.3	8.2	16.6	7.1	102.5	4.3	13.5	7.1	4.9	11.2						
							2	29.3	8.2	16.6	7.1	102.5	4.4	13.8											
Bottom	3.2						1	29.2	8.2	17.1	7.1	101.4	5.4	8.2											
							2	29.2	8.2	17.1	7.1	101.4	5.4	9.4											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
14-08-2019	Mid-Ebb	TCE-C1	Fine	Moderate	10:47	8.4	Surface	1.0	1	30.0	7.9	16.4	5.9	85.5	4.2	3.8	4.7	6.9	4.2								
									2	30.0	7.9	16.4	5.9	85.2	4.2	4.6											
							Middle	4.2	1	28.0	7.9	30.6	3.6	54.8	6.4	3.8											
									2	28.0	7.9	30.6	3.6	54.6	6.6	3.5											
							Bottom	7.4	1	27.8	8.0	32.5	3.4	52.3	10.1	4.4											
									2	27.8	8.0	32.5	3.4	52.3	10.2	5.1											
		TCE-C2	Fine	Moderate	12:49	12.8	Surface	1.0	1	30.2	7.9	18.4	6.3	92.1	3.5	6.3	6.2	3.8	5.9								
									2	30.2	7.9	18.4	6.3	92.1	3.5	5.8											
							Middle	6.4	1	30.2	7.9	18.4	6.2	91.4	4.6	5.1											
									2	30.2	7.9	18.4	6.2	91.3	4.6	6.5											
							Bottom	11.8	1	30.0	7.9	19.0	6.2	90.3	3.3	5.9											
									2	30.0	7.9	19.0	6.2	90.3	3.3	5.7											
	TCE-WQM1	Fine	Moderate	11:35	8.4	Surface	1.0	1	30.5	7.9	17.8	6.0	87.9	6.6	7.1	5.5	9.8	10.1									
								2	30.5	7.9	17.8	6.0	87.8	6.6	6.9												
						Middle	4.2	1	30.0	7.8	19.9	5.1	74.9	13.3	11.3												
								2	30.0	7.8	19.9	5.1	75.0	13.2	11.2												
						Bottom	7.4	1	29.0	7.8	24.4	4.1	60.4	9.4	11.3												
								2	29.0	7.8	24.5	4.1	60.5	9.4	12.6												
	TCE-WQM2a	Fine	Moderate	12:12	7.7	Surface	1.0	1	30.3	7.9	19.0	6.2	91.9	5.6	5.9	6.1	7.4	7.1									
								2	30.3	7.9	19.0	6.2	91.9	5.6	6.8												
						Middle	3.9	1	29.9	7.8	19.5	5.9	86.5	7.4	6.5												
								2	29.9	7.8	19.6	5.9	86.5	7.5	7.7												
						Bottom	6.7	1	29.3	7.8	21.6	5.3	78.0	8.9	7.4												
								2	29.3	7.8	21.6	5.3	77.9	9.2	8.2												
TCE-WQM2b	Fine	Moderate	12:25	11.6	Surface	1.0	1	30.2	7.8	16.7	6.3	91.4	3.0	4.2	5.9	5.5	4.4										
							2	30.2	7.8	16.8	6.3	91.4	3.0	4.1													
					Middle	5.8	1	29.8	7.8	18.9	5.6	82.1	4.1	3.6													
							2	29.8	7.8	18.9	5.6	81.6	4.1	4.6													
					Bottom	10.6	1	28.2	7.8	26.9	3.8	56.1	9.3	5.6													
							2	28.2	7.8	26.8	3.8	56.2	9.3	4.4													
TCE-WQM3A	Fine	Moderate	11:59	3.7	Surface	1.0	1	30.1	7.8	18.5	5.5	80.7	9.7	9.5	5.5	10.2	9.6										
							2	30.1	7.8	18.5	5.5	80.7	9.7	9.5													
					Bottom	2.7	1	30.1	7.9	18.8	5.5	81.1	10.4	9.1													
							2	30.1	7.9	18.8	5.5	81.3	10.9	10.4													
					TCE-WQM4	Fine	Moderate	11:48	3.9	Surface	1.0	1	30.7	7.9				18.3	6.3	93.5	8.6	9.5	6.3	9.4	10.4		
												2	30.7	7.9				18.3	6.3	93.4	8.6	9.5					
Bottom	2.9	1	30.7	7.9						18.3	6.3	92.6	10.3	11.4													
		2	30.7	7.9						18.3	6.3	92.5	10.0	11.2													
14-08-2019	Mid-Flood	TCE-C1	Cloudy	Moderate						6:46	8.0	Surface	1.0	1	29.6	7.8	15.7	5.7	81.5	4.6	4.9	4.7				5.6	4.3
														2	29.6	7.8	15.7	5.7	81.0	4.6	3.8						
					Middle	4.0	1	28.0	7.8			30.2	3.8	57.2	6.7	4.4											
							2	28.0	7.8			30.2	3.8	57.2	6.7	5.5											
					Bottom	7.0	1	27.9	7.8			31.4	3.8	57.9	5.1	3.3											
							2	27.9	7.8			31.4	3.8	58.0	5.7	3.8											
		TCE-C2	Rainy	Moderate	4:51	12.0	Surface	1.0	1	29.9	7.9	17.5	6.1	87.9	4.0	6.6	5.4	5.0	4.9								
									2	29.8	7.9	17.5	6.0	87.7	4.1	7.1											
							Middle	6.0	1	29.3	7.8	21.7	4.9	71.9	5.2	4.1											
									2	29.3	7.8	21.7	4.8	70.6	5.2	4.3											
							Bottom	11.0	1	27.3	7.7	30.8	3.1	46.9	5.7	3.7											
									2	27.5	7.7	30.7	3.2	48.3	5.7	3.3											
	TCE-WQM1	Cloudy	Moderate	6:00	8.5	Surface	1.0	1	30.6	8.0	18.3	6.5	95.1	7.1	4.5	6.4	8.1	4.0									
								2	30.6	8.0	18.3	6.4	95.0	7.2	3.5												
						Middle	4.3	1	30.6	7.9	18.4	6.3	93.2	8.1	4.4												
								2	30.6	7.9	18.4	6.3	93.2	8.1	4.5												
						Bottom	7.5	1	29.5	7.8	21.9	5.1	75.2	9.1	3.9												
								2	29.5	7.8	21.9	5.1	75.3	9.3	3.4												
	TCE-WQM2a	Rainy	Moderate	5:27	7.7	Surface	1.0	1	30.2	7.9	18.0	6.3	92.0	5.0	2.1	6.2	5.4	2.8									
								2	30.2	7.9	18.0	6.3	92.0	5.0	2.7												
						Middle	3.9	1	30.1	7.9	18.4	6.1	89.6	5.2	3.0												
								2	30.1	7.9	18.5	6.1	89.5	5.2	3.0												
						Bottom	6.7	1	29.9	7.8	19.4	6.0	88.0	6.2	3.6												
								2	29.9	7.8	19.4	6.0	88.2	6.2	2.4												
TCE-WQM2b	Rainy	Moderate	5:16	10.3	Surface	1.0	1	29.9	7.8	17.9	5.8	83.9	5.3	4.3	5.4	6.8	5.1										
							2	29.8	7.8	17.9	5.8	83.9	5.5	4.0													
					Middle	5.2	1	28.9	7.8	21.3	5.0	73.0	9.4	5.8													
							2	28.9	7.8	21.4	5.0	72.8	9.6	5.8													
					Bottom	9.3	1	28.3	7.8	26.9	3.9	58.5	5.4	5.3													
							2	28.3	7.8	26.8	3.9	58.7	5.4	5.4													
TCE-WQM3A	Cloudy	Moderate	5:38	4.4	Surface	1.0	1	30.0	7.8	18.0	6.2	90.5	6.6	4.2	6.2	7.4	3.8										
							2	30.0	7.8	18.1	6.2	90.4	6.9	4.1													
					Bottom	3.4	1	29.9	7.8	18.5	6.0	87.8	8.1	3.7													
							2	29.9	7.8	18.5	6.0	87.9	8.1	3.1													
					TCE-WQM4	Cloudy	Moderate	5:49	3.7	Surface	1.0	1	29.9	7.9				17.9	6.2	89.8	8.8	3.2	6.2	8.8	4.1		
												2	29.9	7.9				17.9	6.2	89.8	8.8	3.4					
Bottom	2.7	1	29.9	7.9						17.9	6.2	90.5	8.8	5.5													
		2	29.9	7.9						17.9	6.2	90.6	8.7	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 (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
16-08-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	11:59	8.3	Surface	1.0	1	29.2	8.3	19.9	5.3	77.2	1.8	9.7	4.5	4.0	7.6	
									2	29.1	8.3	20.5	5.2	76.5	1.8	8.4				
							Middle	4.2	1	27.8	8.4	29.0	3.6	54.5	3.6	7.8				
									2	27.8	8.4	29.0	3.6	54.3	3.9	7.2				
							Bottom	7.3	1	27.4	8.5	30.9	3.9	58.2	6.5	5.6				
									2	27.4	8.5	30.9	3.9	58.8	6.4	6.9				
		TCE-C2	Cloudy	Moderate	13:44	12.9	Surface	1.0	1	30.1	8.3	19.2	5.9	86.1	1.7	5.4	5.7	2.2	6.0	
									2	30.0	8.3	19.3	5.8	85.3	1.6	5.4				
							Middle	6.5	1	29.6	8.3	20.1	5.5	80.5	2.2	5.9				
									2	29.6	8.3	20.1	5.5	80.5	2.3	5.3				
							Bottom	11.9	1	29.4	8.3	21.7	5.5	81.1	2.8	7.5				
									2	29.4	8.3	21.1	5.6	81.6	2.8	6.3				
		TCE-WQM1	Cloudy	Moderate	12:38	8.1	Surface	1.0	1	29.6	8.6	19.9	5.3	77.9	6.6	6.4	5.1	6.6	7.2	
									2	29.6	8.6	19.9	5.3	77.8	6.6	7.0				
							Middle	4.1	1	29.2	8.8	21.8	4.8	70.4	7.1	6.8				
									2	29.2	8.8	21.8	4.8	70.5	7.3	8.0				
							Bottom	7.1	1	28.7	8.9	25.0	5.0	73.9	6.1	7.3				
									2	28.7	8.9	25.0	5.0	74.6	6.1	7.9				
		TCE-WQM2a	Cloudy	Moderate	13:10	7.5	Surface	1.0	1	29.8	8.2	20.4	5.6	82.5	3.7	8.8	5.4	4.0	9.4	
									2	29.8	8.2	20.4	5.6	82.5	3.7	9.0				
							Middle	3.8	1	29.2	8.2	21.5	5.3	77.6	4.6	9.8				
									2	29.2	8.2	21.6	5.3	77.7	4.6	9.1				
							Bottom	6.5	1	29.2	8.2	22.0	5.7	84.0	3.8	9.7				
									2	29.2	8.2	21.9	5.7	84.5	3.7	10.1				
	TCE-WQM2b	Cloudy	Moderate	13:23	10.2	Surface	1.0	1	29.9	8.2	18.3	5.8	84.7	2.3	7.2	5.6	3.1	6.4		
								2	29.7	8.2	19.7	5.7	84.1	2.6	6.3					
						Middle	5.1	1	29.4	8.2	20.3	5.4	79.0	3.4	6.1					
								2	29.4	8.2	20.3	5.4	79.0	3.4	6.7					
						Bottom	9.2	1	29.4	8.2	20.4	5.5	80.1	3.5	5.9					
								2	29.4	8.2	20.4	5.5	80.2	3.5	6.4					
	TCE-WQM3A	Cloudy	Calm	12:59	3.6	Surface	1.0	1	29.9	8.2	19.5	5.3	77.3	5.8	12.2	5.3	7.2	13.9		
								2	29.9	8.2	19.5	5.3	77.4	5.7	13.8					
						Bottom	2.6	1	29.4	8.2	20.9	5.4	78.6	8.7	14.8					
								2	29.3	8.2	20.9	5.4	79.8	8.6	14.8					
						Middle	1.4	1	30.1	8.3	19.5	6.2	91.6	5.4	11.3					
								2	30.2	8.3	19.4	6.3	93.0	5.1	10.5					
	TCE-WQM4	Cloudy	Calm	12:50	2.7	Surface	1.0	1	29.1	8.0	19.0	4.6	66.4	6.3	8.3	6.3	5.3	10.9		
								2	29.1	8.1	18.9	4.5	64.5	6.7	8.5					
						Middle	3.7	1	28.0	8.0	29.3	3.5	53.1	9.9	8.5					
								2	28.0	8.0	29.2	3.5	53.1	9.8	8.3					
						Bottom	6.4	1	27.5	8.0	30.5	3.2	48.3	10.5	9.0					
								2	27.5	8.0	30.5	3.2	48.3	10.7	8.9					
	16-08-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	8:15	7.4	Surface	1.0	1	29.1	8.0	19.0	4.6	66.4	6.3	8.3	4.0	9.0	8.6
										2	29.1	8.1	18.9	4.5	64.5	6.7	8.5			
								Middle	3.7	1	28.0	8.0	29.3	3.5	53.1	9.9	8.5			
										2	28.0	8.0	29.2	3.5	53.1	9.8	8.3			
								Bottom	6.4	1	27.5	8.0	30.5	3.2	48.3	10.5	9.0			
										2	27.5	8.0	30.5	3.2	48.3	10.7	8.9			
TCE-C2			Cloudy	Moderate	6:01	12.7	Surface	1.0	1	29.7	8.1	17.5	5.8	83.9	5.1	7.3	5.4	3.5	6.4	
									2	29.7	8.1	17.5	5.8	83.8	5.1	6.9				
							Middle	6.4	1	29.2	8.1	21.0	5.1	74.9	2.7	6.1				
									2	29.2	8.1	21.0	5.1	74.7	2.8	6.4				
							Bottom	11.7	1	27.2	8.1	28.1	4.3	62.6	2.6	5.4				
									2	27.2	8.0	28.1	4.3	63.3	2.5	6.2				
TCE-WQM1			Cloudy	Moderate	7:19	8.3	Surface	1.0	1	30.0	8.1	19.1	5.7	83.4	4.7	9.6	5.6	6.5	9.9	
									2	30.0	8.1	19.1	5.7	83.4	4.7	8.9				
							Middle	4.2	1	30.0	8.1	19.2	5.5	81.3	6.4	11.3				
									2	30.0	8.1	19.2	5.5	81.2	6.5	10.9				
							Bottom	7.3	1	29.8	8.0	20.2	5.6	82.4	8.5	9.1				
									2	29.8	8.0	20.2	5.6	82.7	8.4	9.8				
TCE-WQM2a			Cloudy	Moderate	6:45	7.3	Surface	1.0	1	29.6	8.1	18.5	5.6	81.7	1.8	10.0	5.5	3.1	8.6	
									2	29.6	8.1	18.5	5.6	81.7	1.8	8.8				
							Middle	3.7	1	29.6	8.1	18.7	5.3	76.9	3.0	9.2				
									2	29.6	8.1	18.7	5.3	76.9	2.8	8.5				
							Bottom	6.3	1	29.5	8.0	20.2	5.1	74.4	4.5	8.0				
									2	29.5	8.0	20.1	5.1	74.3	4.4	7.3				
TCE-WQM2b		Cloudy	Moderate	6:30	9.8	Surface	1.0	1	29.5	8.1	18.8	5.4	79.2	1.5	7.2	5.3	5.0	7.4		
								2	29.5	8.1	18.8	5.4	79.1	1.5	6.2					
						Middle	4.9	1	29.4	8.1	19.7	5.1	74.8	4.3	6.8					
								2	29.4	8.1	19.6	5.1	74.8	4.5	7.9					
						Bottom	8.8	1	28.8	8.0	23.9	4.8	70.3	9.2	7.7					
								2	28.8	8.0	23.9	4.8	70.7	8.8	8.7					
TCE-WQM3A		Cloudy	Calm	6:56	4.0	Surface	1.0	1	29.7	8.0	18.4	5.6	82.0	2.8	10.2	5.6	2.6	10.3		
								2	29.7	8.0	18.4	5.7	82.3	2.9	11.5					
						Bottom	3.0	1	29.7	8.0	18.5	5.7	82.7	2.3	9.2					
								2	29.7	8.0	18.6	5.7	82.9	2.3	10.1					
						Middle	1.4	1	29.6	8.0	18.8	5.8	84.4	4.7	7.4					
								2	29.6	8.0	18.8	5.8	85.1	4.9	7.7					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged											
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)									
19-08-2019	Mid-Ebb	TCE-C1	Fine	Moderate	13:28	7.3	Surface	1.0	1	28.7	7.9	21.6	5.2	75.4	3.1	4.6	4.3	4.9	8.6									
									2	28.7	7.9	21.6	5.2	75.4	3.0	4.7												
							Middle	3.7	1	27.2	7.9	29.3	3.5	51.6	3.5	7.2												
									2	27.2	7.9	29.3	3.5	51.6	3.7	7.1												
							Bottom	6.3	1	26.8	7.9	31.5	3.1	46.4	8.0	13.6												
									2	26.8	7.9	31.5	3.2	47.0	7.9	14.6												
		TCE-C2	Fine	Moderate	15:38	12.8	Surface	1.0	1	29.5	7.9	20.1	5.8	84.6	2.1	7.5	5.5	3.5	8.8									
									2	29.5	7.9	20.1	5.8	85.3	2.0	7.6												
							Middle	6.4	1	28.9	7.9	21.1	5.2	76.0	4.4	7.7												
									2	28.9	7.9	21.1	5.2	76.0	4.4	8.4												
							Bottom	11.8	1	29.0	7.9	23.0	5.2	76.7	4.1	10.4												
									2	29.0	7.9	23.0	5.2	77.0	3.9	10.9												
		TCE-WQM1	Fine	Calm	14:28	8.0	Surface	1.0	1	29.2	7.8	20.9	5.4	79.7	5.8	9.4	5.4	9.2	14.8									
									2	29.2	7.8	20.9	5.4	79.7	5.8	9.7												
							Middle	4.0	1	29.2	7.8	21.0	5.4	78.3	6.8	11.2												
									2	29.2	7.8	21.0	5.4	78.5	6.6	10.2												
							Bottom	7.0	1	28.6	7.9	24.0	4.7	69.8	14.8	24.0												
									2	28.7	7.9	23.9	4.8	70.4	15.2	24.1												
		TCE-WQM2a	Rainy	Moderate	15:03	7.6	Surface	1.0	1	28.8	7.8	22.5	5.2	75.8	6.3	10.3	5.0	10.6	11.3									
									2	28.8	7.8	22.5	5.2	75.8	6.3	9.6												
							Middle	3.8	1	28.6	7.8	22.6	4.9	72.1	8.1	10.4												
									2	28.5	7.8	22.7	4.9	72.1	8.2	10.3												
							Bottom	6.6	1	27.7	7.8	25.8	4.4	64.1	17.7	13.9												
									2	27.7	7.8	25.7	4.4	64.1	17.2	13.4												
	TCE-WQM2b	Rainy	Moderate	15:15	10.7	Surface	1.0	1	29.0	7.8	20.9	5.4	78.1	10.1	4.6	5.2	6.3	5.4										
								2	29.0	7.8	20.9	5.4	78.2	10.3	4.8													
						Middle	5.4	1	28.7	7.8	21.6	5.1	73.9	4.9	5.2													
								2	28.7	7.8	21.6	5.1	74.0	5.2	5.4													
						Bottom	9.7	1	28.7	7.9	21.6	5.2	75.1	3.4	6.0													
								2	28.8	7.9	21.6	5.2	75.3	3.7	6.4													
	TCE-WQM3A	Fine	Calm	14:51	3.6	Surface	1.0	1	29.0	7.8	21.5	5.0	72.6	8.8	9.9	5.0	9.7	13.0										
								2	29.0	7.8	21.5	5.0	72.6	8.7	10.5													
						Bottom	2.6	1	28.8	7.8	21.9	4.7	69.0	10.6	16.2													
								2	28.8	7.8	21.9	4.7	69.1	10.8	15.4													
						TCE-WQM4	Fine	Calm	14:40	3.5	Surface	1.0	1	29.5	7.8				20.9	5.5	81.5	4.6	7.6	5.5	5.6	10.4		
													2	29.5	7.8				20.9	5.5	81.6	4.6	7.5					
	Bottom	2.5	1	29.2	7.8						21.0	5.4	79.2	7.0	12.6													
			2	29.4	7.9						21.0	5.4	78.9	6.1	13.9													
	19-08-2019	Mid-Flood	TCE-C1	Fine	Moderate						10:17	6.9	Surface	1.0	1	28.3	7.9	22.0	4.9	71.2	5.1	8.1	4.1				8.6	18.0
															2	28.4	7.9	22.4	4.9	71.5	5.1	8.6						
						Middle	3.5	1	27.3	7.9			28.5	3.4	49.9	9.1	12.0											
								2	27.3	7.9			28.5	3.4	49.8	9.4	13.0											
						Bottom	5.9	1	26.8	7.9			31.0	3.0	44.0	11.3	33.3											
								2	26.8	7.9			31.0	3.0	44.0	11.6	32.7											
			TCE-C2	Cloudy	Moderate	7:49	12.6	Surface	1.0	1	28.5	7.8	21.3	5.1	74.4	3.7	7.7	4.9	5.1	10.0								
										2	28.5	7.8	21.3	5.1	74.3	3.8	7.4											
								Middle	6.3	1	28.1	7.8	23.6	4.6	67.4	3.0	8.7											
										2	28.1	7.8	23.6	4.6	67.4	3.0	9.2											
Bottom								11.6	1	26.6	7.8	29.2	3.8	55.4	8.4	13.0												
									2	26.6	7.8	29.1	3.8	56.0	8.5	13.8												
TCE-WQM1			Fine	Moderate	9:06	7.9	Surface	1.0	1	28.7	7.8	21.0	5.1	73.9	4.1	8.8	5.0	5.8	10.2									
									2	28.7	7.8	21.0	5.1	73.9	4.1	9.2												
							Middle	4.0	1	28.6	7.8	21.2	5.0	72.2	6.2	9.6												
									2	28.6	7.8	21.2	5.0	72.4	6.2	9.6												
							Bottom	6.9	1	28.6	7.7	21.3	5.1	73.6	7.1	12.8												
									2	28.6	7.7	21.3	5.1	73.7	7.2	11.0												
TCE-WQM2a			Cloudy	Moderate	8:33	7.4	Surface	1.0	1	28.7	7.8	20.7	5.2	75.3	3.1	8.1	5.0	6.0	9.5									
									2	28.7	7.8	20.7	5.2	75.3	3.1	7.9												
							Middle	3.7	1	28.5	7.8	21.6	4.9	71.1	6.6	9.0												
									2	28.5	7.8	21.6	4.9	71.3	6.6	8.8												
							Bottom	6.4	1	28.1	7.7	23.5	4.6	66.8	8.4	11.7												
									2	28.1	7.7	23.6	4.6	66.8	8.6	11.4												
TCE-WQM2b		Cloudy	Moderate	8:19	10.5	Surface	1.0	1	28.7	7.8	20.5	5.2	74.6	2.9	8.2	4.9	9.3	14.3										
								2	28.6	7.8	20.5	5.2	74.5	2.9	7.9													
						Middle	5.3	1	28.2	7.8	22.8	4.6	67.2	10.9	11.2													
								2	28.3	7.8	22.8	4.6	67.3	10.7	11.7													
						Bottom	9.5	1	28.3	7.7	23.2	4.6	67.1	14.1	22.6													
								2	28.4	7.7	23.2	4.6	67.4	14.2	23.9													
TCE-WQM3A		Cloudy	Calm	8:45	3.7	Surface	1.0	1	28.7	7.8	20.4	5.1	74.2	3.8	7.4	5.1	3.9	8.0										
								2	28.7	7.8	20.4	5.1	74.2	3.8	7.2													
						Bottom	2.7	1	28.7	7.8	20.5	5.2	74.5	4.0	8.9													
								2	28.7	7.7	20.5	5.2	74.7	4.1	8.6													
						TCE-WQM4	Fine	Calm	8:55	3.4	Surface	1.0	1	28.7	7.8				20.4	5.3	76.5	4.3	12.2	5.3	6.3	10.8		
													2	28.7	7.8				20.4	5.3	76.8	4.3	12.0					
Bottom		2.4	1	28.7	7.7						20.6	5.2	75.1	7.9	9.2													
			2	28.7	7.7						20.7	5.2	75.3	8.8	9.6													

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)								
21-08-2019	Mid-Ebb	TCE-C1	Fine	Moderate	14:32	8.2	Surface	1.0	1	28.3	8.3	21.9	5.9	85.5	2.9	4.0	5.6	5.3	6.0								
									2	28.4	8.3	21.8	5.9	85.4	2.9	4.6											
							Middle	4.1	1	27.3	8.4	28.0	5.4	79.7	2.2	5.9											
									2	27.3	8.4	28.0	5.4	79.7	2.2	5.5											
							Bottom	7.2	1	26.2	8.3	31.4	3.7	54.8	11.0	7.9											
									2	26.2	8.3	31.4	3.8	55.3	10.7	7.8											
		TCE-C2	Fine	Moderate	16:20	12.6	Surface	1.0	1	28.3	8.3	24.9	6.4	93.6	2.6	8.3	5.7	2.9	6.9								
									2	28.3	8.3	24.9	6.4	93.7	2.6	8.4											
							Middle	6.3	1	27.5	8.3	26.0	5.1	74.4	3.2	6.9											
									2	27.5	8.3	26.0	5.1	74.4	3.2	6.5											
							Bottom	11.6	1	25.9	8.3	29.8	4.0	58.3	2.9	5.9											
									2	25.9	8.3	29.8	4.0	58.3	2.9	5.3											
	TCE-WQM1	Fine	Calm	15:10	8.1	Surface	1.0	1	28.3	8.3	23.8	5.6	81.5	3.8	13.4	5.2	6.4	11.2									
								2	28.3	8.3	23.8	5.6	81.4	3.8	12.4												
						Middle	4.1	1	27.8	8.3	25.2	4.8	70.5	7.4	11.0												
								2	27.8	8.3	25.2	4.8	70.6	7.3	11.7												
						Bottom	7.1	1	27.9	8.2	25.3	4.8	70.0	8.1	9.5												
								2	27.9	8.2	25.2	4.8	70.6	7.9	9.4												
	TCE-WQM2a	Fine	Moderate	15:44	7.4	Surface	1.0	1	27.7	8.3	25.9	5.2	75.8	4.4	10.4	5.0	4.4	8.7									
								2	27.7	8.3	25.9	5.2	75.8	4.4	10.9												
						Middle	3.7	1	27.1	8.3	26.8	4.8	70.0	4.8	8.1												
								2	27.1	8.3	26.8	4.8	70.0	4.7	8.3												
						Bottom	6.4	1	26.3	8.3	28.7	4.3	63.2	3.9	7.1												
								2	26.3	8.3	28.7	4.4	63.5	4.0	7.2												
TCE-WQM2b	Fine	Moderate	15:56	10.8	Surface	1.0	1	28.6	8.3	23.4	5.9	86.3	5.8	2.7	5.5	4.5	5.6										
							2	28.6	8.3	23.4	5.9	86.1	8.3	2.9													
					Middle	5.4	1	27.8	8.3	24.7	5.1	74.0	3.2	2.7													
							2	27.8	8.2	24.7	5.1	74.1	3.3	3.0													
					Bottom	9.8	1	27.8	8.2	24.7	5.1	74.9	3.4	11.7													
							2	27.9	8.2	24.6	5.1	75.0	3.3	10.5													
TCE-WQM3A	Fine	Calm	15:33	4.0	Surface	1.0	1	28.2	8.3	24.6	5.3	78.6	5.6	10.2	5.3	8.5	8.7										
							2	28.2	8.3	24.7	5.3	78.4	5.9	9.9													
					Bottom	3.0	1	27.7	8.2	25.3	4.7	68.9	11.5	7.7													
							2	27.8	8.2	25.2	4.8	69.6	11.2	7.0													
					TCE-WQM4	Fine	Calm	15:22	3.6	Surface	1.0	1	28.6	8.3				24.5	5.9	86.8	5.1	8.7	5.9	9.0	7.6		
												2	28.5	8.3				24.5	5.9	86.9	5.3	8.2					
Bottom	2.6	1	28.4	8.2						24.5	5.6	82.6	12.9	6.5													
		2	28.4	8.1						24.5	5.6	83.0	12.6	6.9													
21-08-2019	Mid-Flood	TCE-C1	Fine	Moderate						11:15	8.0	Surface	1.0	1	28.1	8.1	20.5	5.3	75.7	4.9	16.6	4.7				10.2	10.5
														2	28.1	8.1	20.5	5.3	75.7	4.9	16.1						
					Middle	4.0	1	26.8	8.2			28.7	4.1	60.4	7.4	8.1											
							2	26.8	8.2			28.7	4.1	60.2	7.3	8.2											
					Bottom	7.0	1	26.4	8.2			30.5	3.6	53.3	18.4	7.0											
							2	26.4	8.2			30.5	3.6	53.4	18.3	7.2											
	TCE-C2	Fine	Moderate	9:12	12.8	Surface	1.0	1	27.5	8.0	24.4	5.2	75.5	2.8	3.6	4.8	4.3	5.9									
								2	27.5	8.0	24.3	5.2	75.9	2.9	3.7												
						Middle	6.4	1	26.7	8.0	27.0	4.4	63.9	3.8	6.5												
								2	26.7	8.0	26.9	4.4	63.1	3.9	6.7												
						Bottom	11.8	1	25.6	8.0	30.5	3.8	55.1	6.2	7.7												
								2	25.6	8.0	30.5	3.8	55.2	6.1	7.4												
TCE-WQM1	Fine	Moderate	10:27	7.9	Surface	1.0	1	28.1	8.1	23.9	5.5	80.3	3.7	12.8	5.2	6.9	7.8										
							2	28.0	8.1	23.9	5.5	80.2	3.0	12.0													
					Middle	4.0	1	27.9	8.1	24.5	4.9	71.9	7.7	7.2													
							2	27.8	8.1	24.6	4.9	71.6	8.6	7.0													
					Bottom	6.9	1	27.8	8.0	24.6	5.0	72.7	9.7	3.8													
							2	27.9	8.0	24.5	5.0	73.1	8.7	4.0													
TCE-WQM2a	Fine	Moderate	9:52	7.7	Surface	1.0	1	27.7	8.1	24.5	5.3	77.4	5.5	9.1	4.9	7.5	10.5										
							2	27.7	8.1	24.5	5.3	77.4	5.5	8.4													
					Middle	3.9	1	27.2	8.1	25.7	4.5	65.0	9.1	10.7													
							2	27.2	8.1	25.6	4.5	65.2	9.0	10.8													
					Bottom	6.7	1	27.0	8.1	26.2	4.4	63.3	7.8	11.8													
							2	27.0	8.1	26.2	4.4	63.4	8.4	11.9													
TCE-WQM2b	Fine	Moderate	9:36	10.9	Surface	1.0	1	27.4	8.0	25.1	4.7	67.7	8.6	15.0	4.5	7.7	9.6										
							2	27.4	8.0	25.1	4.7	67.9	8.6	14.5													
					Middle	5.5	1	26.9	8.0	26.5	4.4	63.5	4.9	8.8													
							2	26.9	8.0	26.4	4.4	63.6	4.7	8.0													
					Bottom	9.9	1	26.3	8.0	28.6	3.7	54.0	9.7	5.6													
							2	26.3	8.0	28.7	3.7	54.3	9.6	5.8													
TCE-WQM3A	Fine	Calm	10:04	3.7	Surface	1.0	1	27.8	8.1	24.3	5.2	76.0	6.9	12.0	5.2	8.6	10.3										
							2	27.8	8.1	24.3	5.2	75.8	6.8	12.7													
					Bottom	2.7	1	27.6	8.0	24.7	4.7	68.9	10.3	8.3													
							2	27.6	8.0	24.7	4.7	68.7	10.4	8.0													
					TCE-WQM4	Fine	Calm	10:16	3.3	Surface	1.0	1	27.5	8.0				24.7	5.3	77.2	5.8	16.9	5.3	6.8	12.3		
												2	27.5	8.0				24.7	5.4	78.0	5.0	17.0					
Bottom	2.3	1	27.4	8.0						24.9	5.0	73.2	8.1	7.9													
		2	27.3	7.9						24.9	5.1	73.5	8.2	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 (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged							
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)					
23-08-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	16:01	7.6	Surface	1.0	1	30.2	8.0	12.0	7.0	99.9	3.2	4.4	6.0	3.5	3.8					
									2	30.3	8.0	12.0	7.0	99.1	3.1	3.6								
							Middle	3.8	1	27.8	7.9	28.4	5.0	75.0	2.2	3.2								
									2	27.7	7.9	28.4	5.0	74.9	2.6	3.9								
							Bottom	6.6	1	27.1	7.9	30.6	4.1	60.8	5.0	3.8								
									2	27.2	7.9	30.5	4.1	61.1	4.8	3.8								
				4.1																				
				TCE-C2	Cloudy	Moderate	17:44	11.3	Surface	1.0	1	28.9	7.9	21.5	6.9	100.8	1.5	3.7	6.4	2.7	2.9			
									2	28.8	7.9	21.6	6.8	99.8	1.4	2.7								
		Middle	5.7						1	27.9	7.8	24.3	5.9	85.6	3.0	3.2								
									2	27.8	7.8	24.4	5.9	85.3	3.3	2.2								
		Bottom	10.3						1	26.7	7.8	29.4	4.9	71.8	3.7	3.1								
			2						26.7	7.8	29.4	4.9	72.7	3.3	2.5									
			4.9																					
			TCE-WQM1	Cloudy	Moderate	16:39	9.2	Surface	1.0	1	29.9	7.9	18.9	6.6	96.6	4.5	2.3	6.0	5.2	3.0				
								2	29.9	7.9	19.0	6.6	96.3	4.8	3.3									
	Middle	4.6						1	29.1	7.8	22.9	5.3	78.6	5.3	2.7									
								2	29.0	7.8	22.9	5.3	78.5	5.5	3.3									
	Bottom	8.2						1	28.4	7.8	26.5	4.1	61.3	5.5	2.8									
								2	28.5	7.8	26.4	4.1	61.7	5.4	3.4									
			4.1																					
			TCE-WQM2a	Cloudy	Moderate	17:10	7.5	Surface	1.0	1	29.7	7.9	21.9	6.6	97.8	7.1	2.3	5.9	7.8	2.6				
								2	29.7	7.9	21.9	6.6	97.8	7.1	2.8									
	Middle	3.8						1	29.0	7.8	23.3	5.2	77.5	7.5	1.7									
		2						28.9	7.8	23.3	5.3	77.4	7.6	2.7										
Bottom	6.5	1						27.8	7.8	25.9	4.6	67.5	8.8	3.0										
		2						27.8	7.8	26.0	4.6	67.1	8.8	2.9										
		4.6																						
		TCE-WQM2b	Cloudy	Moderate	17:24	9.8	Surface	1.0	1	29.7	7.9	18.1	6.6	95.2	1.7	2.8	5.7	3.5	2.8					
							2	29.6	7.9	18.2	6.5	94.8	1.9	3.2										
Middle	4.9						1	28.1	7.8	24.8	4.9	71.6	3.8	3.1										
							2	28.0	7.8	24.8	4.9	71.8	3.9	3.0										
Bottom	8.8						1	27.2	7.8	28.2	4.2	62.1	5.0	2.8										
							2	27.2	7.8	28.1	4.2	62.3	5.0	2.1										
		4.2																						
		TCE-WQM3A	Cloudy	Calm	17:01	3.2	Surface	1.0	1	29.7	7.8	21.7	6.2	91.3	8.8	3.5	6.2	8.7	3.5					
							2	29.6	7.8	21.7	6.2	91.7	8.7	2.5										
Bottom	2.2						1	29.3	7.8	22.5	5.4	79.5	8.8	3.8										
							2	29.3	7.8	22.5	5.4	79.9	8.7	4.2										
							5.4																	
							TCE-WQM4	Cloudy	Moderate	16:48	3.1	Surface	1.0	1	29.7	7.9				21.6	7.3	108.4	4.2	3.7
		2	29.7	7.9	21.6	7.3						108.3	4.3	4.1										
Bottom	2.1	1	29.6	7.9	21.9	7.1						105.9	5.4	2.7										
		2	29.6	7.9	21.9	7.1						104.7	5.5	3.0										
		7.1																						
		23-08-2019	Mid-Flood	TCE-C1	Cloudy	Moderate						13:10	7.4	Surface	1.0	1	29.7	7.8	13.7	6.0	85.5	3.7	3.0	5.1
							2	29.7	7.8	13.7	6.0			84.7	3.7	3.3								
Middle	3.7						1	27.5	7.8	29.5	4.2			63.2	4.8	3.8								
							2	27.5	7.8	29.5	4.3			63.4	4.9	4.8								
Bottom	6.4						1	26.8	7.8	31.2	3.6			54.3	8.3	5.9								
							2	26.8	7.8	31.3	3.7			54.5	8.2	5.6								
				3.6																				
				TCE-C2	Rainy	Moderate	11:00	11.2	Surface	1.0	1	28.6	7.9	22.8	5.6	81.9	2.1	3.2	5.1	3.2	3.3			
									2	28.6	7.9	22.7	5.6	81.9	2.3	3.9								
Middle	5.6								1	27.2	7.8	28.0	4.5	66.3	3.7	3.7								
									2	27.0	7.8	28.1	4.5	66.2	3.7	3.1								
Bottom	10.2								1	26.2	7.8	30.5	4.1	60.3	3.8	3.5								
			2						26.2	7.8	30.5	4.1	60.6	3.8	2.6									
			4.1																					
			TCE-WQM1	Cloudy	Moderate	12:15	9.2	Surface	1.0	1	29.4	7.9	21.9	6.2	91.8	5.2	6.8	5.6	5.8	8.2				
								2	29.4	7.9	21.9	6.2	91.4	5.1	7.3									
Middle	4.6							1	29.2	7.8	23.4	5.0	74.8	5.4	6.5									
								2	29.2	7.8	23.4	5.0	74.4	5.2	7.1									
Bottom	8.2							1	27.9	7.8	27.5	4.0	59.4	6.9	10.8									
								2	27.9	7.8	27.5	4.0	59.6	6.8	10.9									
			4.0																					
			TCE-WQM2a	Rainy	Moderate	11:39	7.0	Surface	1.0	1	29.4	7.9	20.4	6.1	88.7	4.7	3.5	5.8	6.7	3.3				
								2	29.4	7.9	20.4	6.1	88.7	4.7	3.6									
Middle	3.5							1	29.0	7.8	21.8	5.5	80.7	8.0	3.1									
		2						28.9	7.8	21.9	5.5	80.5	7.9	3.2										
Bottom	6.0	1						28.6	7.8	25.0	4.7	69.2	7.5	2.6										
		2						28.7	7.8	24.8	4.7	69.9	7.3	3.6										
		4.7																						
		TCE-WQM2b	Rainy	Moderate	11:25	10.0	Surface	1.0	1	29.1	7.8	20.5	5.5	80.2	2.4	2.9	5.1	4.0	3.2					
							2	29.1	7.8	20.6	5.5	79.6	2.4	2.7										
Middle	5.0						1	28.4	7.8	23.8	4.8	70.5	3.9	3.9										
							2	28.4	7.8	23.9	4.8	70.3	4.1	3.3										
Bottom	9.0						1	27.0	7.8	28.6	4.0	58.7	5.7	3.3										
							2	27.0	7.8	28.6	4.0	59.1	5.8	3.0										
		4.0																						
		TCE-WQM3A	Rainy	Moderate	11:50	3.3	Surface	1.0	1	29.4	7.8	20.1	6.1	89.2	4.4	5.4	6.1	5.0	4.2					
							2	29.4	7.8	20.1	6.1	89.0	4.6	5.0										
Bottom	2.3						1	29.4	7.8	20.3	6.1	88.7	5.3	2.9										
							2	29.3	7.8	20.3	6.1	88.6	5.5	3.4										
							6.1																	
							TCE-WQM4	Rainy	Moderate	12:00	3.0	Surface	1.0	1	29.2	7.8				21.3	5.6	82.9	7.3	7.9
		2	29.2	7.8	21.4	5.6						82.6	7.2	8.1										
Bottom	2.0	1	29.2	7.8	22.1	5.5						80.6	9.2	9.0										
		2	29.1	7.8	22.1	5.5						80.6	9.3	8.1										
		5.5																						

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)									
26-08-2019	Mid-Ebb	TCE-C1	Rainy	Rough	10:22	7.9	Surface	1.0	1	27.8	8.1	14.8	6.7	92.3	1.4	7.5	6.6	1.5	7.0									
									2	27.8	8.1	14.8	6.7	92.2	1.4	7.1												
							Middle	4.0	1	27.7	8.1	15.2	6.6	91.0	1.2	7.8												
									2	27.7	8.1	15.2	6.6	91.0	1.3	7.4												
							Bottom	6.9	1	27.7	7.9	18.5	6.1	86.3	2.0	6.2												
									2	27.7	7.9	18.1	6.2	86.7	1.9	6.0												
		TCE-C2	Cloudy	Moderate	8:10	12.7	Surface	1.0	1	27.3	8.0	19.9	6.3	88.4	1.7	4.1	6.0	2.5	4.1									
									2	27.3	8.0	19.9	6.3	88.3	1.7	3.2												
							Middle	6.4	1	27.6	8.0	22.2	5.8	82.6	2.2	3.7												
									2	27.6	8.0	22.1	5.8	82.6	2.1	4.7												
							Bottom	11.7	1	25.4	7.9	30.4	3.5	51.1	3.6	3.9												
									2	25.3	7.9	30.4	3.5	51.1	3.7	4.8												
	TCE-WQM1	Rainy	Calm	9:31	8.4	Surface	1.0	1	27.6	8.0	19.0	5.6	78.3	4.6	7.0	4.9	6.2	7.5										
								2	27.6	8.0	19.0	5.5	78.2	4.6	8.0													
						Middle	4.2	1	27.5	8.0	24.8	4.2	61.6	5.9	7.8													
								2	27.5	8.0	24.7	4.2	61.6	5.9	7.4													
						Bottom	7.4	1	27.0	7.9	27.5	3.1	45.0	8.2	8.0													
								2	27.0	7.9	27.5	3.1	45.0	8.2	7.0													
	TCE-WQM2a	Rainy	Moderate	8:55	7.3	Surface	1.0	1	27.4	8.0	20.2	6.2	87.5	3.4	10.2	5.9	4.6	9.2										
								2	27.4	8.0	20.2	6.2	87.5	3.4	9.2													
						Middle	3.7	1	27.7	8.0	22.0	5.6	80.1	3.9	9.1													
								2	27.7	8.0	22.0	5.6	80.0	3.9	9.6													
						Bottom	6.3	1	27.2	7.9	25.9	4.5	65.0	6.7	9.6													
								2	27.2	7.9	25.9	4.5	65.3	6.1	7.5													
	TCE-WQM2b	Cloudy	Moderate	8:42	11.2	Surface	1.0	1	27.6	7.9	17.6	6.0	84.2	1.9	4.9	5.3	4.3	5.5										
								2	27.6	7.9	17.6	6.0	84.1	1.9	5.9													
						Middle	5.6	1	27.0	7.9	24.0	4.6	65.3	5.3	5.9													
								2	27.0	7.9	23.9	4.6	65.4	5.3	5.0													
						Bottom	10.2	1	24.5	7.9	32.2	3.4	48.3	5.7	5.7													
								2	24.5	7.9	32.2	3.4	48.5	5.6	5.7													
	TCE-WQM3A	Rainy	Calm	9:08	4.1	Surface	1.0	1	27.8	7.9	21.2	5.2	74.3	6.7	6.6	5.2	6.5	6.5										
								2	27.8	7.9	21.2	5.2	74.5	6.6	5.7													
						Bottom	3.1	1	27.7	7.8	23.0	5.0	72.8	6.2	6.4													
								2	27.7	7.8	23.0	5.0	72.6	6.3	7.4													
						TCE-WQM4	Rainy	Calm	9:19	3.4	Surface	1.0	1	27.5	8.1				19.5	6.3	88.9	3.9	7.1	6.3	3.8	7.2		
													2	27.5	8.1				19.5	6.3	88.9	3.9	6.5					
	Bottom	2.4	1	27.5	8.0						19.6	6.3	88.3	3.7	7.3													
			2	27.5	8.0						19.6	6.2	88.1	3.7	7.7													
	26-08-2019	Mid-Flood	TCE-C1	Rainy	Rough						15:13	7.7	Surface	1.0	1	28.0	8.2	17.6	6.2	87.5	2.7	4.9	5.6				6.5	5.0
															2	28.0	8.2	17.6	6.2	87.4	2.7	4.0						
						Middle	3.9	1	27.4	8.1			20.4	5.1	71.6	6.8	4.5											
								2	27.4	8.1			20.4	5.0	71.4	6.9	5.4											
						Bottom	6.7	1	27.0	8.1			24.6	4.2	59.7	9.9	5.6											
								2	27.0	8.1			24.5	4.2	59.9	9.8	5.8											
			TCE-C2	Fine	Moderate	17:08	12.3	Surface	1.0	1	27.6	8.2	19.5	6.3	88.5	2.2	4.6	4.7	6.4	4.2								
										2	27.6	8.2	19.5	6.3	88.3	2.3	4.1											
								Middle	6.2	1	25.2	8.2	30.4	3.1	44.4	7.6	3.3											
										2	25.2	8.2	30.4	3.1	44.4	7.6	3.9											
Bottom								11.3	1	24.1	8.2	32.9	2.9	41.6	9.5	4.8												
									2	24.1	8.2	32.9	2.9	41.7	9.5	4.4												
TCE-WQM1	Rainy	Calm	15:51	8.0	Surface	1.0	1	27.8	8.2	19.5	6.3	89.9	4.4	6.7	6.1	6.8	5.3											
							2	27.8	8.2	19.5	6.3	89.8	4.5	7.3														
					Middle	4.0	1	27.7	8.2	20.4	5.8	83.0	6.4	5.1														
							2	27.7	8.2	20.4	5.8	83.0	6.5	5.7														
					Bottom	7.0	1	27.6	8.1	21.5	5.4	77.0	9.5	4.1														
							2	27.6	8.1	21.5	5.4	77.1	9.5	3.1														
TCE-WQM2a	Cloudy	Moderate	16:28	6.5	Surface	1.0	1	27.7	8.2	18.0	6.5	91.7	5.1	10.9	6.4	7.3	6.9											
							2	27.7	8.2	18.0	6.5	91.7	5.1	9.9														
					Middle	3.3	1	27.6	8.2	19.1	6.3	88.5	7.4	5.6														
							2	27.6	8.2	19.1	6.3	88.5	7.4	4.7														
					Bottom	5.5	1	27.1	8.1	23.6	4.8	69.1	9.1	5.3														
							2	27.1	8.1	23.6	4.8	69.1	9.4	4.7														
TCE-WQM2b	Fine	Moderate	16:40	10.4	Surface	1.0	1	27.7	8.2	17.5	6.3	88.9	2.2	4.7	5.4	6.0	4.6											
							2	27.7	8.2	17.5	6.3	88.9	2.2	5.2														
					Middle	5.2	1	26.7	8.1	24.1	4.5	64.2	7.0	5.0														
							2	26.7	8.1	24.1	4.5	63.9	7.0	4.0														
					Bottom	9.4	1	25.8	8.1	28.8	3.7	53.4	9.0	4.4														
							2	25.8	8.1	28.8	3.7	53.5	8.8	4.3														
TCE-WQM3A	Fine	Calm	16:17	3.9	Surface	1.0	1	27.6	8.2	17.5	6.6	92.2	3.7	9.8	6.6	4.2	7.2											
							2	27.6	8.2	17.4	6.6	92.1	3.7	8.9														
					Bottom	2.9	1	27.6	8.1	18.8	6.4	90.0	4.7	4.6														
							2	27.6	8.1	18.8	6.4	89.9	4.8	5.6														
					TCE-WQM4	Rainy	Calm	16:05	2.8	Middle	1.4	1	27.7	8.1				18.9	6.5	91.4	5.2	7.3	6.5	5.2	7.8			
												2	27.7	8.1				18.9	6.5	91.5	5.1	8.3						

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged								
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
28-08-2019	Mid-Ebb	TCE-C1	Sunny	Moderate	12:14	7.8	Surface	1.0	1	28.3	8.5	19.3	5.3	75.7	3.0			5.1	3.5	#DIV/0!					
									2	28.2	8.5	19.4	5.3	75.6	3.0										
							Middle	3.9	1	27.7	8.5	21.5	4.9	70.6	3.3										
									2	27.6	8.5	21.5	4.9	70.6	3.3										
							Bottom	6.8	1	27.0	8.5	23.3	4.4	63.2	4.0										
									2	26.9	8.5	23.4	4.4	62.8	4.1										
				2	26.9	8.5	23.4	4.4	62.8	4.1															
		TCE-C2	Sunny	Moderate	10:02	16.8	Surface	1.0	1	27.3	9.0	21.6	5.5	77.7	2.4			5.4	2.1	#DIV/0!					
				2	27.2	9.0	21.6	5.5	77.5	2.4															
		Middle	8.4	1	26.8	9.1	24.2	5.4	76.6	2.1															
				2	26.8	9.1	24.3	5.3	76.6	2.1															
		Bottom	15.8	1	26.7	9.0	24.7	5.3	76.4	2.0															
			2	26.7	9.0	24.7	5.3	76.4	2.0																
	TCE-WQM1	Sunny	Moderate	11:24	10.4	Surface	1.0	1	27.5	8.5	21.9	4.8	68.3	4.8			4.3	7.2	#DIV/0!						
			2	27.4	8.5	21.9	4.7	67.6	4.9																
	Middle	5.2	1	26.9	8.5	24.1	3.9	56.1	7.6																
			2	26.9	8.5	24.1	3.9	55.9	7.6																
	Bottom	9.4	1	26.6	8.5	26.7	3.4	48.7	9.2																
			2	26.6	8.5	26.7	3.4	48.9	9.2																
	TCE-WQM2a	Sunny	Moderate	10:49	8.5	Surface	1.0	1	27.5	8.5	22.8	4.9	70.7	3.1			4.8	4.9	#DIV/0!						
			2	27.5	8.5	22.8	4.9	70.7	3.1																
	Middle	4.3	1	26.9	8.4	24.1	4.7	67.3	4.2																
			2	26.8	8.4	24.2	4.7	67.3	4.2																
	Bottom	7.5	1	26.7	8.3	25.0	4.8	68.7	7.2																
		2	26.8	8.3	24.9	4.8	69.1	7.2																	
TCE-WQM2b	Sunny	Moderate	10:38	11.4	Surface	1.0	1	27.7	8.4	21.2	5.0	71.4	2.5			4.8	3.4	#DIV/0!							
		2	27.7	8.4	21.2	5.0	71.3	2.5																	
Middle	5.7	1	27.3	8.4	22.3	4.7	67.2	4.0																	
		2	27.3	8.4	22.4	4.7	67.0	4.0																	
Bottom	10.4	1	27.2	8.3	22.6	4.8	68.4	3.6																	
		2	27.2	8.3	22.6	4.8	68.5	3.6																	
TCE-WQM3A	Sunny	Moderate	11:01	4.8	Surface	1.0	1	27.2	8.5	23.1	4.4	62.3	7.9			4.3	10.1	#DIV/0!							
		2	27.1	8.4	23.2	4.3	62.2	7.9																	
Bottom	3.8	1	26.8	8.4	24.4	3.9	56.2	12.3																	
		2	26.8	8.4	24.4	3.9	56.6	12.3																	
TCE-WQM4	Sunny	Moderate	11:13	3.8	Surface	1.0	1	28.0	8.5	21.9	5.4	77.8	5.4								5.4	8.0	#DIV/0!		
		2	28.0	8.5	21.9	5.4	77.8	5.4																	
Bottom	2.8	1	27.6	8.4	22.8	4.6	66.2	10.6																	
		2	27.6	8.4	22.8	4.6	66.3	10.6																	
28-08-2019	Mid-Flood	TCE-C1	Fine	Calm	16:48	7.5	Surface	1.0	1	28.4	8.6	19.2	5.3	75.4	2.9			4.9						4.6	#DIV/0!
								2	28.4	8.6	19.2	5.3	75.4	2.9											
Middle							3.8	1	27.3	8.7	22.5	4.6	66.2	3.6											
								2	27.2	8.7	22.5	4.6	66.0	3.5											
Bottom							6.5	1	26.4	8.6	26.3	4.0	57.5	7.3											
								2	26.4	8.6	28.1	4.0	57.6	7.2											
TCE-C2		Fine	Calm	18:44	15.8	Surface	1.0	1	27.0	8.8	24.3	5.1	73.2	2.3			4.9	5.8	#DIV/0!						
			2	27.0	8.8	24.3	5.1	73.2	2.3																
Middle		7.9	1	25.6	8.8	28.6	4.7	67.6	5.8																
			2	25.5	8.8	28.8	4.7	67.3	5.8																
Bottom		14.8	1	24.8	8.7	30.5	4.0	56.8	9.3																
			2	24.8	8.7	30.5	4.0	57.3	9.3																
TCE-WQM1		Fine	Calm	17:28	8.2	Surface	1.0	1	28.4	8.8	22.5	6.2	89.0	4.4			6.1	6.4	#DIV/0!						
			2	28.4	8.8	22.5	6.2	89.8	4.4																
Middle		4.1	1	28.4	8.8	22.6	6.0	87.9	6.1																
			2	28.4	8.8	22.6	6.0	87.7	6.1																
Bottom		7.2	1	27.9	8.7	23.2	5.3	77.0	8.7																
			2	28.0	8.7	23.1	5.3	77.2	8.8																
TCE-WQM2a		Fine	Calm	18:02	7.6	Surface	1.0	1	28.0	8.8	21.9	5.9	84.8	6.2			5.4	8.2	#DIV/0!						
			2	28.0	8.8	21.9	5.9	84.8	6.2																
Middle		3.8	1	27.0	8.7	23.2	5.0	71.6	9.2																
			2	26.9	8.7	23.3	5.0	70.7	9.2																
Bottom		6.6	1	26.5	8.6	25.5	4.3	60.9	9.3																
			2	26.5	8.6	25.4	4.3	61.4	9.3																
TCE-WQM2b	Fine	Calm	18:13	10.5	Surface	1.0	1	27.1	8.8	23.7	4.7	68.0	6.6			4.7	9.5	#DIV/0!							
		2	27.2	8.8	23.7	4.7	68.0	6.5																	
Middle	5.3	1	27.0	8.7	24.0	4.6	66.2	10.2																	
		2	27.0	8.7	24.1	4.6	66.2	10.2																	
Bottom	9.5	1	26.9	8.6	24.2	4.7	66.8	11.8																	
		2	26.9	8.6	24.2	4.7	66.9	11.7																	
TCE-WQM3A	Fine	Calm	17:51	4.5	Surface	1.0	1	28.0	8.7	22.0	5.8	84.0	5.2			5.8	6.7	#DIV/0!							
		2	28.0	8.7	22.0	5.8	84.1	5.3																	
Bottom	3.5	1	28.1	8.6	21.9	5.9	85.5	8.2																	
		2	28.1	8.6	21.9	5.9	85.6	8.3																	
TCE-WQM4	Fine	Calm	17:40	3.2	Surface	1.0	1	28.0	8.8	22.0	5.9	85.1	12.4								5.9	13.0	#DIV/0!		
		2	28.0	8.8	22.0	5.9	85.1	12.5																	
Bottom	2.2	1	28.0	8.8	22.0	5.9	85.1	13.5																	
		2	28.0	8.8	22.0	5.9	85.2	13.5																	

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
30-08-2019	Mid-Ebb	TCE-C1	Rainy	Rough	13:47	7.8	Surface	1.0	1	26.9	8.5	24.6	5.3	75.9	4.3		5.0	8.8	#DIV/0!							
									2	26.9	8.5	24.6	5.3	75.8	4.3											
							Middle	3.9	1	26.6	8.5	26.8	4.7	68.0	9.9											
									2	26.6	8.5	26.8	4.7	68.0	9.8											
							Bottom	6.8	1	26.6	8.4	26.9	4.8	69.6	12.4											
									2	26.6	8.4	26.9	4.8	69.7	12.4											
				4.8																						
				TCE-C2	Rainy	Rough	11:32	15.4	Surface	1.0	1	26.6	8.4	25.2	4.8	69.4	4.9		4.6	6.3	#DIV/0!					
									2	26.5	8.4	25.3	4.8	69.3	4.9											
		Middle	7.7						1	25.9	8.4	27.3	4.3	62.1	6.4											
									2	25.9	8.4	27.3	4.3	61.8	6.4											
		Bottom	14.4						1	25.2	8.4	29.5	4.1	59.1	7.5											
			2						25.3	8.4	29.3	4.1	59.3	7.6												
			4.1																							
			TCE-WQM1	Rainy	Moderate	12:55	10.4	Surface	1.0	1	27.1	8.4	24.1	5.0	71.6	6.8		4.9	8.3	#DIV/0!						
								2	27.1	8.4	24.1	5.0	71.5	6.7												
	Middle	5.2						1	27.0	8.4	24.3	4.9	70.1	8.2												
								2	27.0	8.4	24.3	4.9	70.2	8.2												
	Bottom	9.4						1	27.0	8.4	24.4	4.9	70.4	10.0												
								2	27.0	8.4	24.4	4.9	70.5	10.0												
			4.9																							
			TCE-WQM2a	Rainy	Rough	12:20	8.7	Surface	1.0	1	26.7	8.5	25.1	4.8	69.6	7.2		4.8	10.5	#DIV/0!						
								2	26.7	8.5	25.1	4.8	69.6	7.2												
	Middle	4.4						1	26.5	8.5	26.0	4.8	69.0	10.1												
		2						26.4	8.5	26.0	4.8	69.1	10.1													
Bottom	7.7	1						26.4	8.5	26.1	4.8	69.2	14.2													
		2						26.4	8.5	26.1	4.8	69.2	14.1													
		4.8																								
		TCE-WQM2b	Rainy	Rough	12:07	12.0	Surface	1.0	1	26.9	8.5	23.6	5.6	79.8	3.4		5.2	6.0	#DIV/0!							
							2	26.9	8.5	23.6	5.6	79.6	3.5													
Middle	6.0						1	26.5	8.5	25.5	4.8	69.2	4.3													
							2	26.5	8.5	25.5	4.8	69.2	4.2													
Bottom	11.0						1	26.5	8.5	25.6	4.9	69.7	10.2													
							2	26.5	8.5	25.6	4.9	69.8	10.3													
		4.9																								
		TCE-WQM3A	Rainy	Moderate	12:32	4.8	Surface	1.0	1	26.9	8.4	23.4	4.9	69.7	6.1		4.9	10.6	#DIV/0!							
							2	26.9	8.4	23.4	4.9	69.6	6.2													
Bottom	3.8						1	26.6	8.4	25.4	4.3	61.9	15.1													
							2	26.6	8.4	25.4	4.3	62.0	15.2													
							4.3																			
							TCE-WQM4	Rainy	Moderate	12:43	4.5	Surface	1.0	1	27.1					8.5	24.4	5.1	73.2	9.7		5.1
		2	27.1	8.5	24.4	5.1						73.1	9.7													
Bottom	3.5	1	27.1	8.5	24.6	5.1						72.9	13.2													
		2	27.1	8.5	24.6	5.1						73.1	13.2													
		5.1																								
30-08-2019	Mid-Flood	TCE-C1	Cloudy	Rough	18:06	7.7	Surface	1.0	1	27.1	8.4	23.5	4.8	69.2	5.1		4.9	7.8	#DIV/0!							
									2	27.1	8.4	23.5	4.8	69.3	5.1											
							Middle	3.9	1	27.0	8.4	24.5	4.9	71.0	7.8											
									2	27.0	8.4	24.5	4.9	71.0	7.8											
							Bottom	6.7	1	27.0	8.4	25.1	4.9	70.9	10.5											
									2	27.0	8.3	25.1	4.9	70.9	10.6											
				4.9																						
				TCE-C2	Fine	Rough	20:12	14.8	Surface	1.0	1	26.4	8.5	26.1	4.7	66.8	6.2		4.5	10.0	#DIV/0!					
									2	26.4	8.5	26.1	4.6	66.7	6.3											
		Middle	7.4						1	25.8	8.6	27.9	4.4	63.5	10.0											
									2	25.8	8.6	27.9	4.4	63.6	10.1											
		Bottom	13.8						1	25.8	8.5	28.0	4.5	64.9	13.7											
			2						25.8	8.5	28.0	4.5	65.1	13.8												
			4.5																							
			TCE-WQM1	Fine	Moderate	18:48	9.5	Surface	1.0	1	27.1	8.5	24.5	5.5	79.4	6.3		5.5	11.2	#DIV/0!						
								2	27.1	8.5	24.5	5.5	79.2	6.3												
	Middle	4.8						1	27.0	8.5	24.7	5.4	78.1	11.4												
								2	27.0	8.5	24.7	5.4	78.0	11.4												
	Bottom	8.5						1	27.0	8.5	24.7	5.4	77.7	15.9												
								2	27.0	8.5	24.7	5.4	77.7	15.9												
			5.4																							
			TCE-WQM2a	Fine	Rough	19:30	8.2	Surface	1.0	1	26.9	8.4	24.4	4.9	70.1	6.4		4.9	10.3	#DIV/0!						
								2	26.9	8.4	24.4	4.9	70.1	6.4												
	Middle	4.1						1	26.9	8.4	24.4	4.9	70.8	9.3												
		2						26.9	8.4	24.4	4.9	70.9	9.2													
Bottom	7.2	1						26.9	8.3	24.4	5.0	72.3	15.3													
		2						26.8	8.2	24.5	5.3	75.7	15.4													
		5.2																								
		TCE-WQM2b	Fine	Rough	19:40	11.4	Surface	1.0	1	26.9	8.5	24.4	4.8	69.4	6.2		4.8	10.5	#DIV/0!							
							2	26.9	8.5	24.4	4.8	69.4	6.3													
Middle	5.7						1	26.9	8.5	24.5	4.8	68.9	10.1													
							2	26.9	8.5	24.5	4.8	68.8	10.1													
Bottom	10.4						1	26.9	8.5	24.5	4.8	68.8	15.2													
							2	26.9	8.5	24.5	4.8	68.8	15.2													
		4.8																								
		TCE-WQM3A	Fine	Moderate	19:17	4.4	Surface	1.0	1	26.9	8.5	24.3	5.1	73.6	11.8		5.1	13.3	#DIV/0!							
							2	26.9	8.5	24.4	5.1	73.5	11.8													
Bottom	3.4						1	26.9	8.5	24.6	5.1	73.4	14.8													
							2	26.9	8.5	24.6	5.1	73.5	14.9													
							5.1																			
		TCE-WQM4	Fine	Moderate	19:01	4.2	Surface	1.0	1	26.9	8.5	24.6	5.2	74.5	9.2		5.2	12.2	#DIV/0!							
							2	26.9	8.5	24.6	5.2	74.5	9.3													
Bottom	3.2						1	26.9	8.5	24.6	5.2	74.5	15.2													
							2	26.9	8.5	24.6	5.2	74.6	15.2													
							5.2																			