

Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 28 February 2019

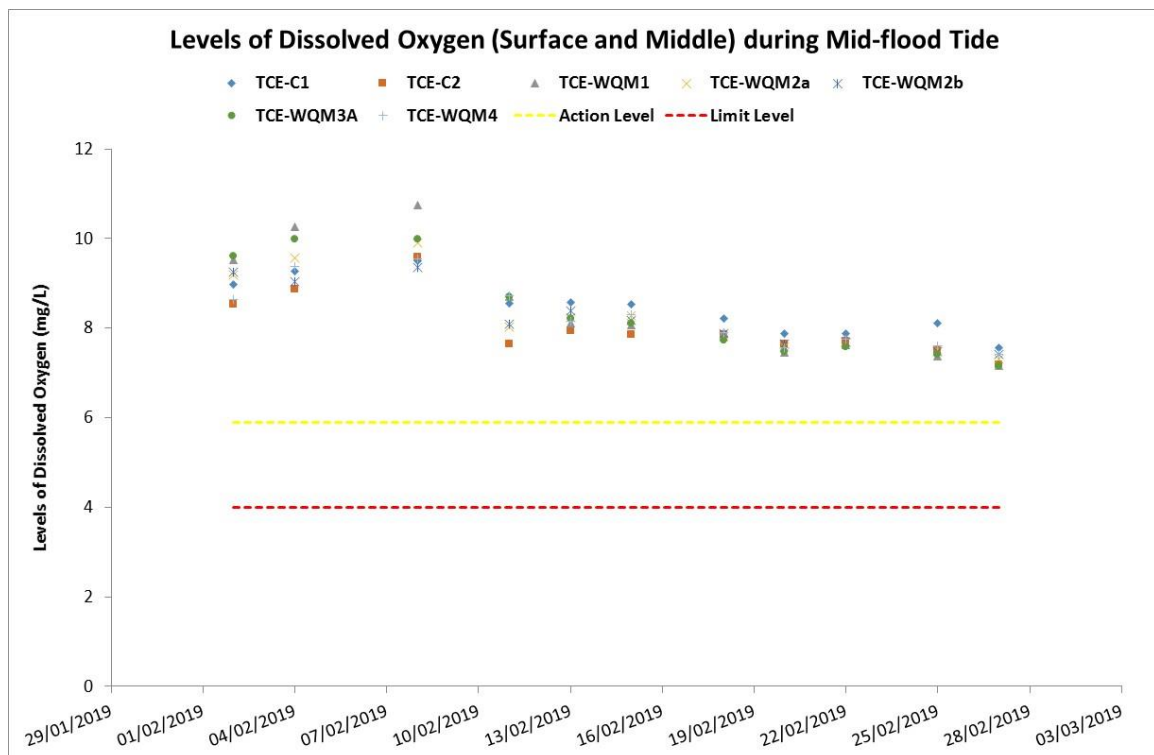


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 28 February 2019

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

Date: February 2019

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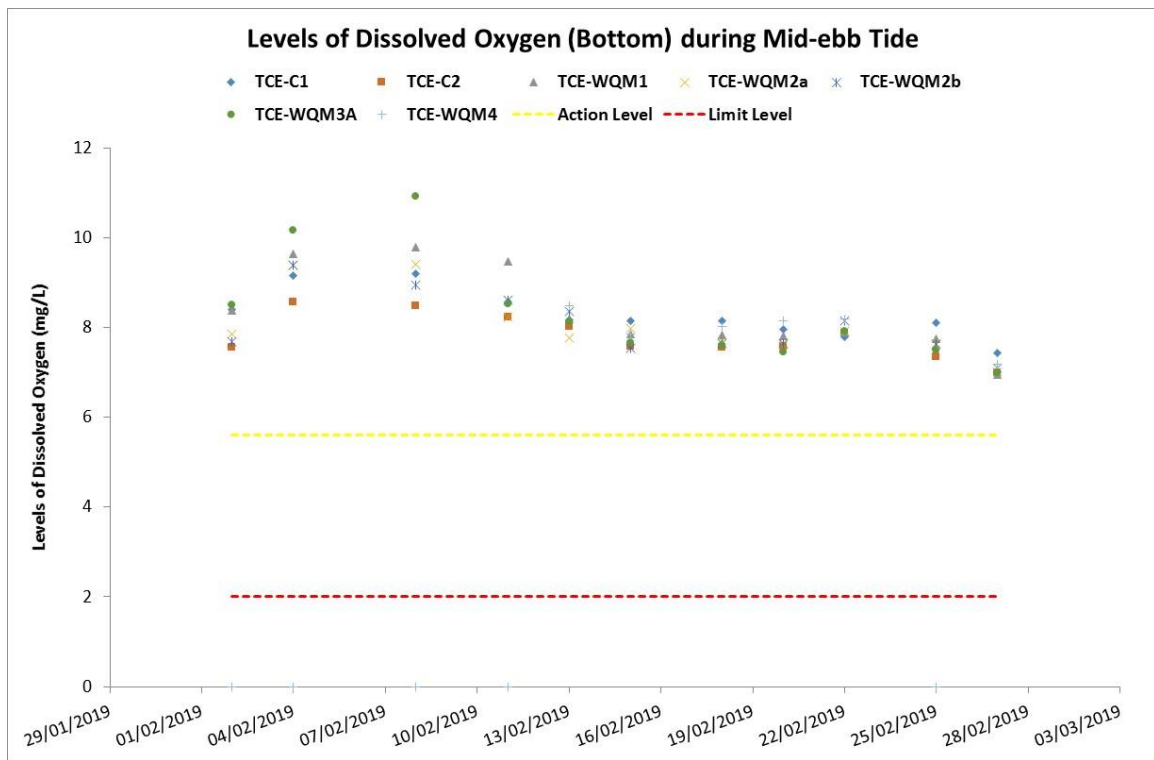


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 28 February 2019

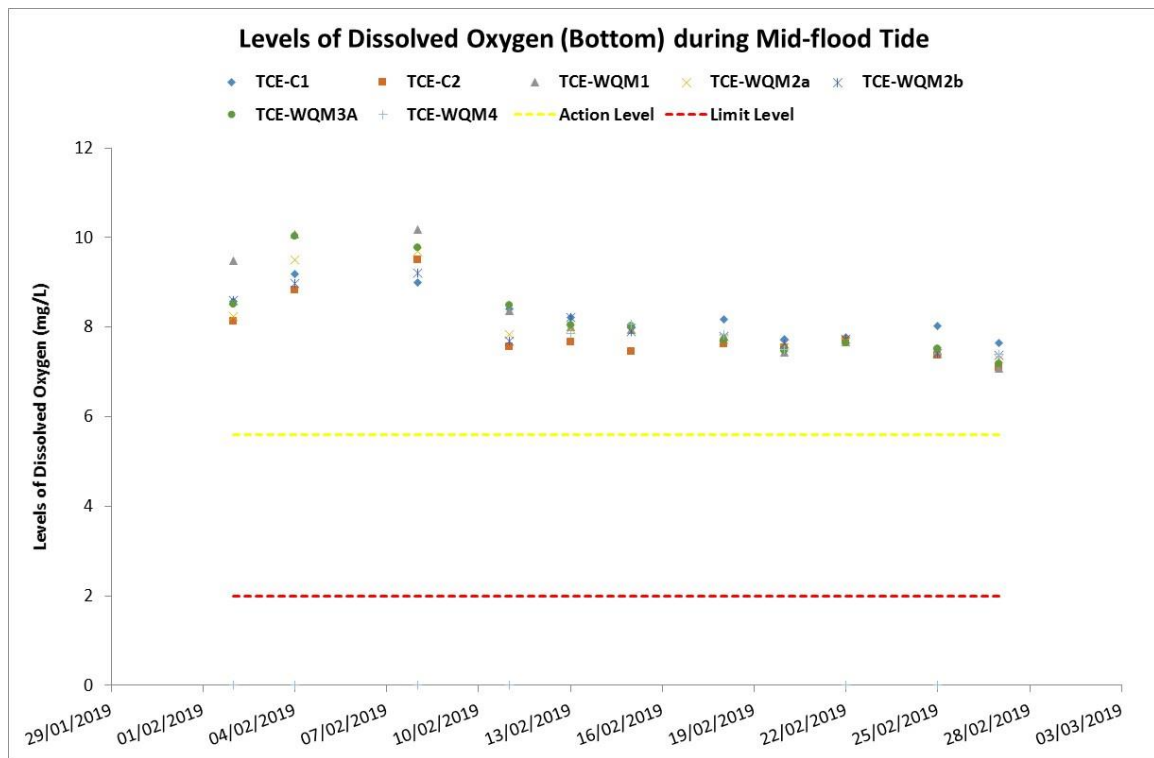


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 28 February 2019

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

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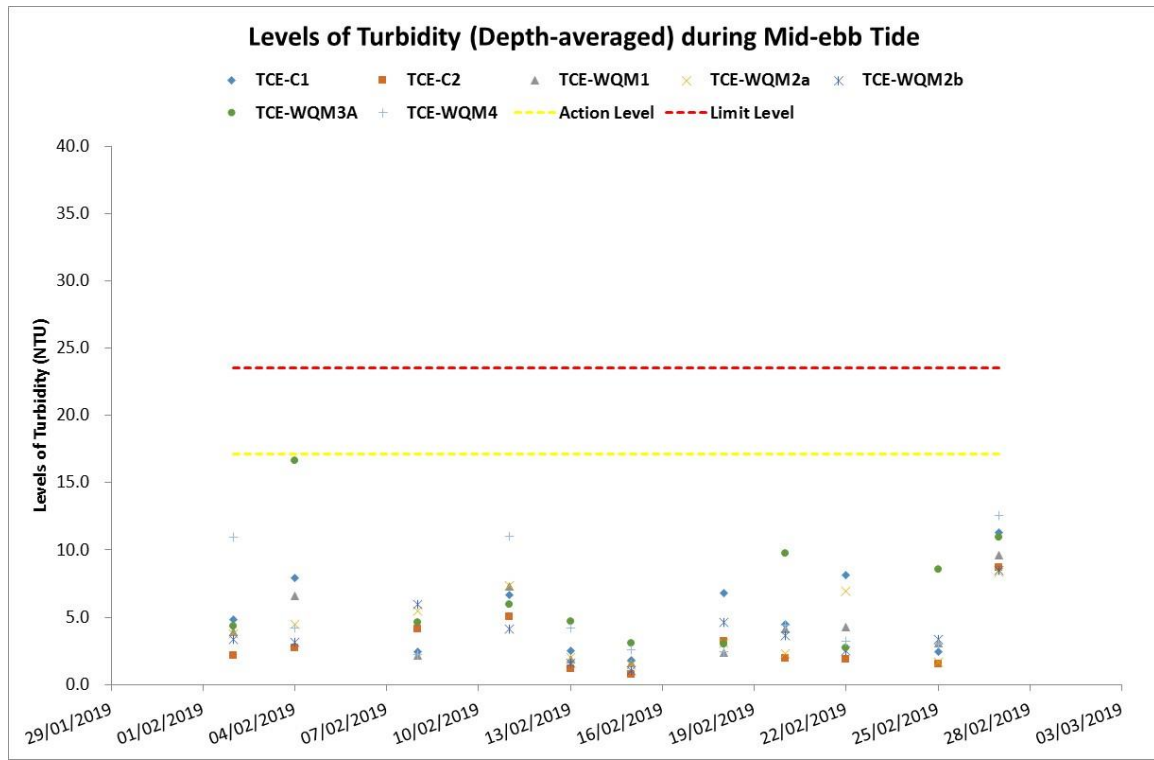


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 28 February 2019

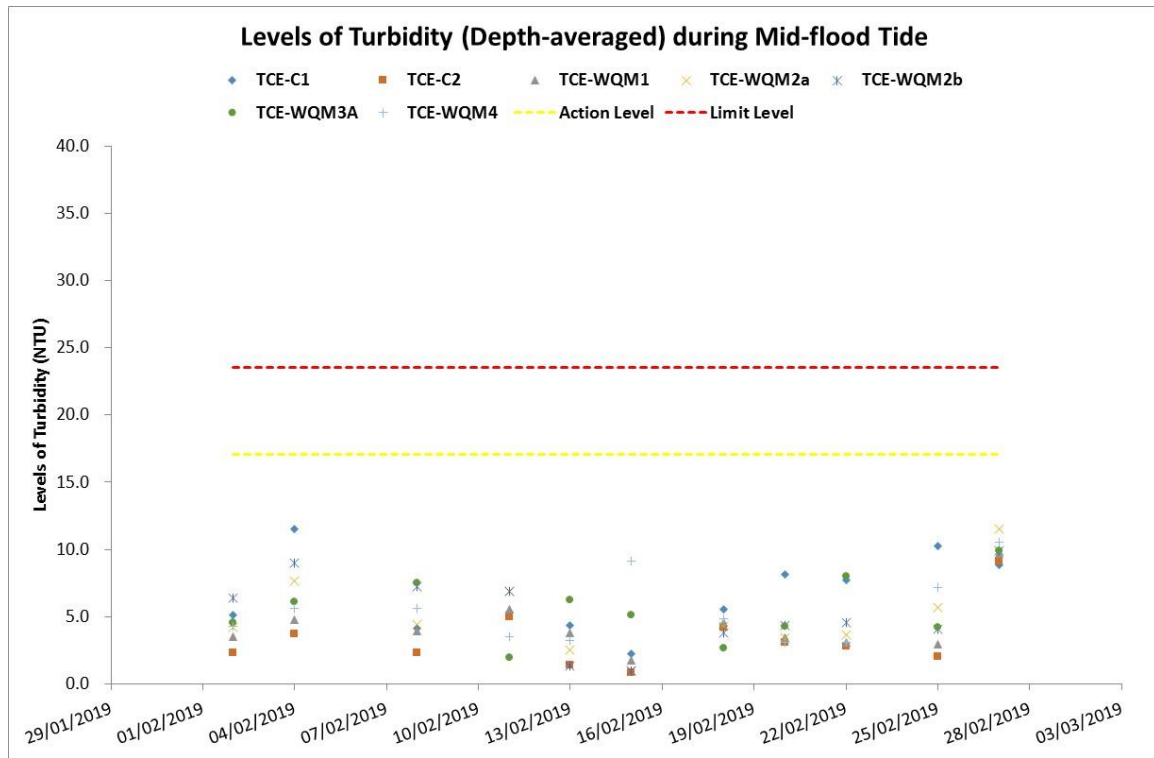


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 28 February 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung\JT\02_Deliverable\10 Monthly EM&A Report\
 Date: February 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 28 February 2019

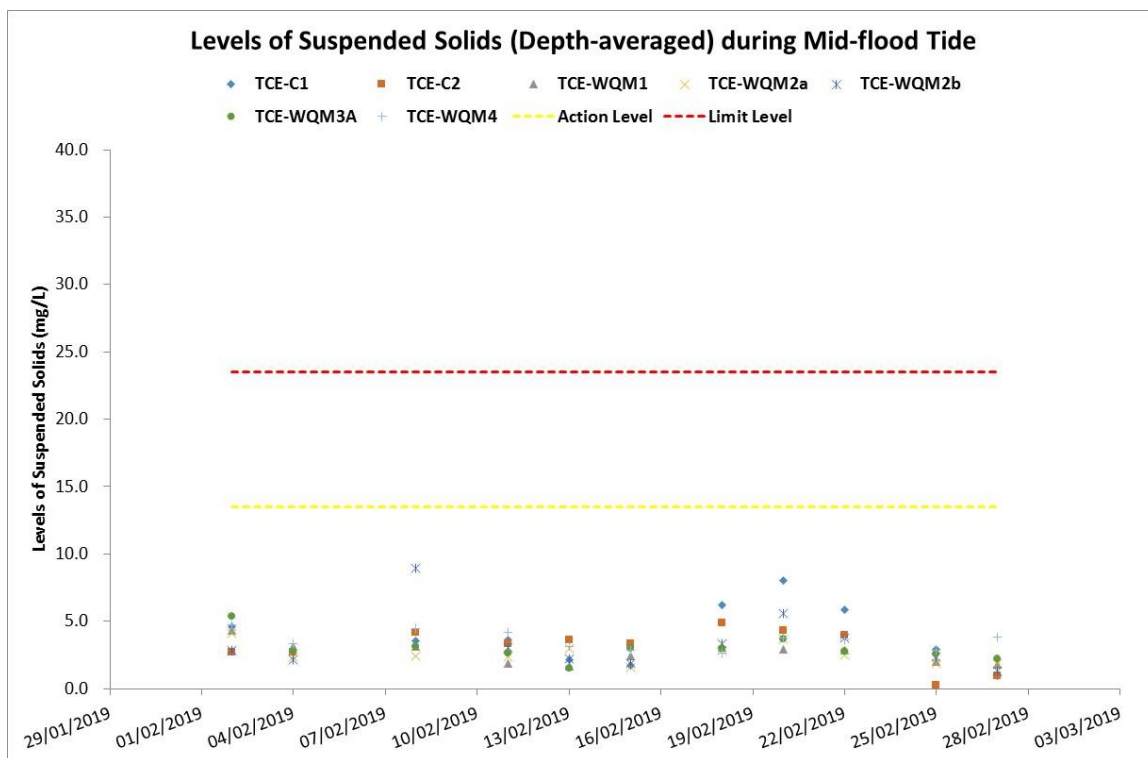


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 28 February 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: February 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)		
02-02-2019	Mid-Ebb	TCE-C1	Sunny	Calm	13:41	7.6	Surface	1.0	1	18.6	8.2	30.6	8.6	110.6	3.7	6.1	8.5	4.8	5.5		
									2	18.6	8.2	30.6	8.6	110.2	3.7	5.8					
							Middle	3.8	1	18.5	8.1	30.7	8.5	108.9	5.2	5.5					
									2	18.5	8.1	30.7	8.5	108.5	5.2	5.0					
							Bottom	6.6	1	18.5	8.1	30.7	8.4	107.7	5.6	5.6					
									2	18.5	8.1	30.6	8.4	107.4	5.6	5.2					
		TCE-C2	Sunny	Calm	11:44	12.5	Surface	1.0	1	18.7	8.0	29.8	7.7	99.0	2.1	5.4	7.6	2.2	3.7		
									2	18.7	8.0	29.8	7.7	98.6	2.1	5.1					
							Middle	6.3	1	18.6	8.0	30.0	7.6	96.8	2.2	3.2					
									2	18.6	8.0	30.0	7.6	96.7	2.2	3.1					
							Bottom	11.5	1	18.6	8.0	30.0	7.6	96.7	2.2	3.0					
									2	18.6	8.0	30.0	7.6	96.7	2.2	2.3					
	TCE-WQM1	Sunny	Calm	12:58	9.2	Surface	1.0	1	18.9	8.2	28.5	9.1	115.6	3.9	6.9	8.8	3.9	7.4			
								2	18.9	8.2	28.5	9.1	115.5	3.8	6.4						
						Middle	4.6	1	18.9	8.2	28.5	8.6	109.4	4.0	8.4						
								2	18.9	8.2	28.5	8.5	108.8	4.1	8.2						
						Bottom	8.2	1	19.0	8.2	28.5	8.4	107.4	3.8	7.2						
								2	19.1	8.2	28.4	8.4	106.9	3.8	7.1						
	TCE-WQM2a	Sunny	Calm	12:21	6.7	Surface	1.0	1	18.8	8.1	29.0	8.2	104.1	2.9	3.9	8.0	3.8	4.3			
								2	18.8	8.1	29.0	8.2	104.1	2.9	4.2						
						Middle	3.4	1	18.7	8.1	29.2	7.9	100.5	3.7	5.4						
								2	18.7	8.1	29.3	7.9	100.3	3.7	5.3						
						Bottom	5.7	1	18.7	8.0	29.3	7.9	100.1	4.6	3.3						
								2	18.7	8.0	29.3	7.8	100.1	4.7	3.4						
	TCE-WQM2b	Sunny	Calm	12:10	10.3	Surface	1.0	1	18.8	8.1	28.8	8.4	107.5	3.1	3.3	8.1	3.3	3.8			
								2	18.8	8.1	28.8	8.4	106.9	3.1	3.7						
						Middle	5.2	1	18.8	8.1	29.2	7.8	99.4	3.6	3.6						
								2	18.8	8.1	29.2	7.8	98.9	3.6	3.7						
Bottom						9.3	1	18.8	8.0	29.2	7.7	98.4	3.3	4.1							
							2	18.8	8.0	29.2	7.7	98.1	3.3	4.4							
TCE-WQM3A	Sunny	Calm	12:32	3.7	Surface	1.0	1	19.2	8.1	28.5	8.7	111.6	4.1	4.2	8.7	4.3	5.0				
							2	19.2	8.1	28.5	8.7	111.3	4.1	4.7							
					Bottom	2.7	1	19.1	8.1	28.5	8.5	108.9	4.5	5.8							
							2	19.1	8.1	28.5	8.5	108.5	4.6	5.3							
					TCE-WQM4	1.4	1	19.4	8.2	28.5	8.7	112.1	10.9	4.4				8.7	10.9	4.7	
							2	19.4	8.2	28.5	8.7	112.0	10.9	4.9							
02-02-2019	Mid-Flood	TCE-C1	Sunny	Calm	15:20	7.9	Surface	1.0	1	19.3	8.2	28.5	9.1	116.4	3.5	4.4	9.0	5.1	4.6		
									2	19.3	8.2	28.5	9.0	116.1	3.5	4.3					
							Middle	4.0	1	19.2	8.2	28.6	8.9	114.4	5.2	4.5					
									2	19.2	8.2	28.6	8.9	113.9	5.3	4.6					
							Bottom	6.9	1	19.1	8.2	28.7	8.6	110.7	6.5	4.6					
									2	19.2	8.2	28.7	8.5	108.8	6.5	5.1					
		TCE-C2	Sunny	Calm	17:01	14.6	Surface	1.0	1	19.2	8.1	29.4	8.8	113.8	2.4	2.3	8.5	2.3	2.7		
									2	19.2	8.1	29.4	8.8	113.7	2.3	2.8					
							Middle	7.3	1	19.0	8.1	29.4	8.2	105.8	2.3	2.1					
									2	19.0	8.1	29.4	8.2	105.4	2.3	3.0					
							Bottom	13.6	1	18.9	8.1	29.5	8.2	104.4	2.2	3.2					
									2	18.9	8.1	29.5	8.1	104.2	2.3	2.6					
		TCE-WQM1	Sunny	Calm	15:48	8.7	Surface	1.0	1	19.3	8.2	28.4	9.6	122.7	3.4	4.3	9.5	3.5	4.3		
									2	19.3	8.2	28.5	9.5	122.4	3.5	3.9					
							Middle	4.4	1	19.2	8.2	28.6	9.5	121.8	3.5	4.4					
									2	19.2	8.2	28.6	9.5	121.4	3.5	4.2					
							Bottom	7.7	1	19.3	8.2	28.5	9.5	121.6	3.6	4.3					
									2	19.4	8.2	28.5	9.5	121.8	3.7	4.6					
	TCE-WQM2a	Sunny	Calm	16:23	6.5	Surface	1.0	1	19.4	8.3	28.6	10.1	130.0	3.7	3.9	9.2	4.2	4.1			
								2	19.4	8.3	28.6	10.1	130.0	3.7	3.7						
						Middle	3.3	1	18.9	8.1	29.0	8.3	105.6	4.4	4.2						
								2	18.9	8.1	29.0	8.3	105.4	4.4	3.8						
						Bottom	5.5	1	18.9	8.1	29.1	8.2	105.2	4.6	4.6						
								2	18.9	8.2	29.1	8.2	105.4	4.6	4.4						
	TCE-WQM2b	Sunny	Calm	16:36	10.4	Surface	1.0	1	19.1	8.2	28.6	9.3	118.4	5.5	3.1	9.2	6.4	2.9			
								2	19.1	8.2	28.6	9.3	118.4	5.5	3.2						
						Middle	5.2	1	19.1	8.2	28.6	9.2	117.8	6.5	2.7						
								2	19.1	8.2	28.6	9.2	117.7	6.5	2.8						
						Bottom	9.4	1	19.0	8.1	28.9	8.6	110.1	7.3	3.0						
								2	19.0	8.1	29.0	8.6	110.0	7.3	2.4						
	TCE-WQM3A	Sunny	Calm	16:12	3.5	Surface	1.0	1	19.2	8.2	28.5	9.6	121.9	4.4	5.2	9.6	4.6	5.4			
								2	19.2	8.2	28.5	9.6	121.9	4.3	5.7						
						Bottom	2.5	1	19.2	8.2	28.5	8.5	109.2	4.8	5.5						
								2	19.2	8.2	28.5	8.5	109.2	4.8	5.1						
						TCE-WQM4	1.5	1	18.9	8.2	28.6	8.7	110.7	4.3	4.9				8.6	4.3	4.8
								2	19.0	8.2	28.6	8.6	110.1	4.2	4.6						

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
04-02-2019	Mid-Ebb	TCE-C1	Sunny	Calm	11:30	7.5	Surface	1.0	1	19.2	8.2	27.1	10.1	127.7	6.8	3.7	9.6	7.9	4.0
									2	19.2	8.2	27.0	10.0	127.1	6.9	3.5			
							Middle	3.8	1	19.1	8.2	29.6	9.2	119.1	8.3	4.0			
									2	19.1	8.2	29.6	9.2	118.7	8.3	4.2			
							Bottom	6.5	1	19.1	8.2	29.6	9.2	118.0	8.5	4.4			
									2	19.2	8.2	29.6	9.2	118.0	8.6	4.4			
		TCE-C2	Sunny	Calm	13:34	15.4	Surface	1.0	1	19.3	8.1	29.8	9.4	121.3	2.5	5.3	9.0	2.7	5.2
									2	19.3	8.1	29.9	9.2	118.9	2.5	4.7			
							Middle	7.7	1	19.3	8.1	29.9	8.7	112.0	2.8	5.1			
									2	19.3	8.1	29.9	8.6	111.6	2.8	5.8			
							Bottom	14.4	1	19.3	8.1	29.9	8.6	111.0	2.9	4.6			
									2	19.3	8.1	29.9	8.6	110.8	2.9	5.6			
	TCE-WQM1	Sunny	Calm	12:24	8.4	Surface	1.0	1	19.8	8.3	29.5	10.0	129.8	6.2	3.5	9.9	6.6	3.9	
								2	19.8	8.3	29.5	9.9	129.3	6.3	4.2				
						Middle	4.2	1	19.8	8.3	29.5	9.8	128.2	6.6	4.9				
								2	19.8	8.3	29.5	9.8	127.6	6.6	4.3				
						Bottom	7.4	1	19.8	8.3	29.6	9.7	126.1	6.9	3.1				
								2	19.8	8.3	29.6	9.6	125.3	6.9	3.4				
	TCE-WQM2a	Sunny	Calm	12:58	6.5	Surface	1.0	1	19.5	8.2	29.1	10.2	131.7	4.0	4.4	9.8	4.5	5.5	
								2	19.5	8.2	29.1	10.2	131.7	4.0	5.4				
						Middle	3.3	1	19.3	8.2	29.4	9.4	121.2	4.7	6.5				
								2	19.3	8.2	29.4	9.4	121.1	4.7	5.7				
						Bottom	5.5	1	19.3	8.2	29.4	9.4	121.1	4.7	5.5				
								2	19.3	8.2	29.4	9.4	121.2	4.8	5.2				
	TCE-WQM2b	Sunny	Calm	13:10	11.6	Surface	1.0	1	19.8	8.2	26.6	9.9	126.4	3.1	4.2	9.7	3.1	5.1	
								2	19.8	8.2	26.7	9.8	126.4	3.1	5.4				
						Middle	5.8	1	19.7	8.2	28.7	9.6	124.3	3.1	5.2				
								2	19.7	8.2	28.7	9.6	123.7	3.1	5.5				
Bottom						10.6	1	19.7	8.2	28.8	9.4	121.9	3.2	4.5					
							2	19.7	8.2	28.7	9.4	121.3	3.2	5.5					
TCE-WQM3A	Sunny	Calm	12:47	3.3	Surface	1.0	1	19.7	8.2	29.3	10.8	140.9	15.6	3.1	10.8	16.6	4.0		
							2	19.7	8.2	29.4	10.8	140.3	15.6	4.1					
					Middle	2.3	1	19.7	8.2	29.4	10.2	132.2	17.7	3.9					
							2	19.7	8.2	29.4	10.1	131.8	17.7	4.8					
					Bottom	2.3	1	19.7	8.2	29.4	10.4	134.4	4.2	4.1					
							2	19.6	8.2	29.4	10.4	134.4	4.2	4.1					
TCE-WQM4	Sunny	Calm	12:36	2.9	Middle	1.5	1	19.6	8.2	29.4	10.4	134.4	4.2	4.1	10.3	4.2	3.7		
							2	19.6	8.2	29.4	10.2	132.9	4.2	3.3					
					Surface	1.0	1	19.1	8.2	29.5	9.3	120.0	10.5	2.5					
							2	19.1	8.2	29.6	9.3	119.8	10.5	3.2					
					Middle	3.9	1	19.1	8.2	29.6	9.3	119.2	11.3	3.3					
							2	19.1	8.2	29.6	9.2	118.9	11.3	2.3					
04-02-2019	Mid-Flood	TCE-C1	Sunny	Calm	8:45	7.8	Surface	1.0	1	19.1	8.2	29.5	9.3	120.0	10.5	2.5	9.3	11.5	2.9
									2	19.1	8.2	29.6	9.3	119.8	10.5	3.2			
							Middle	3.9	1	19.1	8.2	29.6	9.3	119.2	11.3	3.3			
									2	19.1	8.2	29.6	9.2	118.9	11.3	2.3			
							Bottom	6.8	1	19.1	8.2	29.6	9.2	118.5	12.7	2.4			
									2	19.1	8.2	29.6	9.2	118.4	12.7	3.4			
		TCE-C2	Sunny	Calm	6:30	13.5	Surface	1.0	1	19.2	8.1	29.6	8.9	114.6	3.2	3.3	8.9	3.7	2.7
									2	19.2	8.1	29.6	8.9	114.5	3.2	2.5			
							Middle	6.8	1	19.2	8.1	29.6	8.9	114.1	3.7	2.2			
									2	19.2	8.1	29.6	8.8	114.1	3.7	3.1			
							Bottom	12.5	1	19.2	8.1	29.6	8.8	113.9	4.2	3.1			
									2	19.2	8.1	29.6	8.8	113.8	4.2	2.2			
	TCE-WQM1	Sunny	Calm	7:51	9.7	Surface	1.0	1	19.6	8.2	29.5	10.4	134.4	4.6	2.9	10.3	4.8	3.1	
								2	19.6	8.2	29.5	10.4	134.4	4.6	3.1				
						Middle	4.9	1	19.6	8.2	29.5	10.2	132.4	4.8	2.9				
								2	19.6	8.2	29.5	10.2	132.2	4.8	3.1				
						Bottom	8.7	1	19.6	8.2	29.5	10.1	131.1	4.9	3.7				
								2	19.6	8.2	29.5	10.1	130.7	4.9	2.9				
	TCE-WQM2a	Sunny	Calm	7:14	8.6	Surface	1.0	1	19.4	8.1	28.8	9.6	123.6	5.3	2.1	9.6	7.7	2.3	
								2	19.4	8.1	28.8	9.6	123.6	5.3	2.0				
						Middle	4.3	1	19.4	8.1	28.9	9.5	122.9	7.8	1.9				
								2	19.4	8.1	28.9	9.5	122.8	7.8	1.8				
						Bottom	7.6	1	19.4	8.1	28.9	9.5	122.6	9.8	2.6				
								2	19.4	8.1	28.9	9.5	122.5	9.9	3.6				
	TCE-WQM2b	Sunny	Calm	6:57	10.2	Surface	1.0	1	19.3	8.1	28.8	9.1	116.6	8.5	2.3	9.0	9.0	2.1	
								2	19.3	8.1	28.8	9.0	116.4	8.6	2.8				
						Middle	5.1	1	19.3	8.1	28.8	9.0	116.0	8.8	2.3				
								2	19.3	8.1	28.8	9.0	115.9	8.8	1.8				
Bottom						9.2	1	19.3	8.1	28.9	9.0	115.7	9.7	1.8					
							2	19.3	8.1	28.9	9.0	115.4	9.7	1.8					
TCE-WQM3A	Sunny	Calm	7:26	3.5	Surface	1.0	1	19.4	8.2	28.8	10.0	128.8	4.3	1.8	10.0	6.1	2.8		
							2	19.4	8.2	28.9	10.0	129.0	4.3	2.4					
					Middle	2.5	1	19.5	8.2	29.2	10.0	129.9	7.8	3.3					
							2	19.6	8.2	29.2	10.0	129.8	7.9	3.7					
					Bottom	2.5	1	19.4	8.2	29.2	9.4	121.3	5.7	3.4					
							2	19.4	8.2	29.2	9.4	120.9	5.6	3.3					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
08-02-2019	Mid-Ebb	TCE-C1	Misty	Rough	13:28	7.9	Surface	1.0	1	20.3	8.4	28.3	10.3	133.8	1.7	3.0	9.9	2.4	2.8	
									2	20.3	8.4	28.3	10.2	133.7	1.6	3.5				
							Middle	4.0	1	19.7	8.4	29.8	9.6	124.8	2.0	2.8				
									2	19.7	8.4	29.8	9.6	124.7	2.0	1.8				
							Bottom	6.9	1	19.4	8.4	30.3	9.2	119.7	3.6	3.1				
									2	19.4	8.4	30.3	9.2	119.6	3.6	2.8				
		TCE-C2	Rainy	Rough	15:01	13.0	Surface	1.0	1	20.2	8.3	28.7	9.6	125.7	3.3	1.6	9.3	4.1	2.4	
									2	20.2	8.3	28.7	9.6	125.7	3.3	2.2				
							Middle	6.5	1	19.9	8.3	29.1	9.1	118.6	3.7	2.2				
									2	19.8	8.3	29.2	9.0	117.1	3.6	3.1				
							Bottom	12.0	1	19.8	8.3	29.3	8.5	110.6	5.4	2.1				
									2	19.8	8.3	29.2	8.5	110.4	5.4	3.1				
	TCE-WQM1	Misty	Rough	13:49	9.3	Surface	1.0	1	21.0	8.5	28.1	10.2	134.4	2.0	2.4	10.1	2.1	3.2		
								2	21.0	8.5	28.1	10.2	134.4	2.0	3.2					
						Middle	4.7	1	21.0	8.5	28.1	10.1	133.2	2.2	3.2					
								2	21.0	8.5	28.1	10.0	132.6	2.2	3.3					
						Bottom	8.3	1	21.0	8.5	28.1	9.8	129.4	2.2	4.3					
								2	21.0	8.5	28.1	9.8	129.4	2.3	2.6					
	TCE-WQM2a	Rainy	Rough	14:23	7.4	Surface	1.0	1	20.9	8.4	27.4	10.6	139.0	4.2	3.9	10.4	5.4	3.9		
								2	20.9	8.4	27.4	10.6	139.0	4.2	3.3					
						Middle	3.7	1	20.5	8.4	27.7	10.2	133.1	5.6	4.0					
								2	20.4	8.3	27.8	10.2	132.6	5.5	4.3					
						Bottom	6.4	1	20.1	8.3	28.2	9.4	122.2	6.6	3.3					
								2	20.2	8.4	28.1	9.4	122.5	6.6	4.3					
TCE-WQM2b	Rainy	Rough	14:36	11.7	Surface	1.0	1	20.9	8.4	27.3	10.7	140.7	3.8	2.4	10.4	6.0	2.8			
							2	20.9	8.4	27.3	10.7	140.7	3.9	3.3						
					Middle	5.9	1	20.5	8.4	27.7	10.1	131.9	4.6	2.2						
							2	20.5	8.4	27.6	10.1	131.8	4.5	3.3						
					Bottom	10.7	1	19.9	8.3	28.8	8.9	116.3	9.5	2.0						
							2	19.9	8.3	28.8	8.9	116.3	9.6	3.5						
TCE-WQM3A	Rainy	Rough	14:12	3.5	Surface	1.0	1	21.1	8.5	27.8	11.0	145.8	4.6	4.4	11.0	4.6	4.2			
							2	21.1	8.5	27.8	11.0	145.6	4.6	4.7						
					Bottom	2.5	1	21.1	8.5	27.8	10.9	144.5	4.7	4.0						
							2	21.1	8.5	27.8	10.9	144.4	4.6	3.8						
					TCE-WQM4	1.4	1	21.2	8.5	27.9	11.3	149.9	2.3	3.5				11.3	2.3	3.3
							2	21.2	8.5	27.9	11.3	149.6	2.3	3.1						
08-02-2019	Mid-Flood	TCE-C1	Sunny	Calm	11:14	7.4	Surface	1.0	1	19.7	8.4	29.0	9.8	127.4	2.1	2.7	9.5	4.1	3.6	
									2	19.7	8.4	29.0	9.8	127.3	2.1	2.9				
							Middle	3.7	1	19.5	8.4	29.7	9.2	119.5	4.3	3.4				
									2	19.5	8.4	29.7	9.2	119.5	4.3	3.4				
							Bottom	6.4	1	19.4	8.4	29.9	9.0	116.8	6.0	4.0				
									2	19.4	8.4	29.9	9.0	116.5	6.0	5.0				
		TCE-C2	Sunny	Calm	8:32	13.6	Surface	1.0	1	20.3	8.3	27.6	9.6	125.5	1.7	4.7	9.6	2.4	4.2	
									2	20.3	8.3	27.6	9.6	125.3	1.7	3.7				
							Middle	6.8	1	20.3	8.3	27.7	9.5	123.9	2.6	3.7				
									2	20.3	8.3	27.7	9.5	123.8	2.7	2.8				
							Bottom	12.6	1	20.3	8.3	27.7	9.5	123.7	2.8	5.2				
									2	20.3	8.3	27.7	9.5	123.7	2.7	5.0				
	TCE-WQM1	Sunny	Calm	9:49	9.1	Surface	1.0	1	20.7	8.5	27.9	10.8	142.3	3.2	2.8	10.7	3.9	3.1		
								2	20.7	8.5	27.9	10.8	142.2	3.3	3.5					
						Middle	4.6	1	20.7	8.5	28.0	10.7	140.0	3.4	3.5					
								2	20.7	8.5	28.0	10.7	140.0	3.5	4.2					
						Bottom	8.1	1	20.7	8.5	28.1	10.2	134.2	5.2	2.0					
								2	20.7	8.5	28.1	10.2	133.8	5.1	2.7					
	TCE-WQM2a	Sunny	Calm	9:11	8.1	Surface	1.0	1	20.5	8.4	27.3	10.0	130.7	3.7	2.7	9.9	4.4	2.4		
								2	20.5	8.4	27.3	10.0	130.7	3.7	2.8					
						Middle	4.1	1	20.4	8.4	27.4	9.8	127.4	4.5	1.7					
								2	20.4	8.4	27.5	9.8	127.2	4.6	2.0					
						Bottom	7.1	1	20.4	8.4	27.5	9.7	126.6	5.0	2.5					
								2	20.4	8.4	27.5	9.7	126.3	4.9	2.7					
TCE-WQM2b	Sunny	Calm	8:58	10.5	Surface	1.0	1	20.3	8.3	27.4	9.4	122.7	6.8	7.3	9.4	7.3	8.9			
							2	20.3	8.3	27.4	9.4	122.5	6.8	7.4						
					Middle	5.3	1	20.3	8.3	27.4	9.3	120.8	7.2	7.4						
							2	20.3	8.3	27.4	9.3	120.6	7.3	8.5						
					Bottom	9.5	1	20.3	8.3	27.4	9.2	119.9	7.7	11.0						
							2	20.3	8.3	27.4	9.2	119.6	7.8	12.0						
TCE-WQM3A	Sunny	Calm	9:26	3.4	Surface	1.0	1	20.4	8.4	27.4	10.0	130.2	6.6	2.3	10.0	7.6	3.1			
							2	20.4	8.4	27.4	10.0	130.1	6.5	3.1						
					Bottom	2.4	1	20.5	8.4	27.6	9.8	127.8	8.6	2.7						
							2	20.5	8.4	27.6	9.8	127.4	8.6	4.4						
					TCE-WQM4	1.4	1	20.4	8.4	27.7	9.6	124.8	5.5	4.9				9.6	5.6	4.5
							2	20.4	8.4	27.7	9.5	124.4	5.7	4.0						

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
11-02-2019	Mid-Ebb	TCE-C1	Fine	Moderate	15:26	7.9	Surface	1.0	1	20.2	8.3	28.0	9.1	116.4	5.2	2.4	9.0	6.7	2.8
									2	20.2	8.3	28.0	9.0	116.1	5.2	2.3			
							Middle	4.0	1	20.2	8.3	28.0	8.9	114.4	6.9	2.8			
									2	20.2	8.3	28.1	8.9	113.9	6.9	3.5			
							Bottom	6.9	1	20.2	8.3	28.1	8.6	110.7	7.9	2.8			
									2	20.2	8.3	28.1	8.5	108.8	7.9	3.2			
		TCE-C2	Fine	Moderate	16:32	13.2	Surface	1.0	1	20.0	8.3	28.3	8.6	110.1	4.8	2.2	8.7	5.0	2.5
									2	20.0	8.3	28.4	8.6	110.1	4.8	2.7			
							Middle	6.6	1	19.6	8.3	29.9	8.8	113.8	5.0	2.0			
									2	19.6	8.3	30.0	8.8	113.7	5.0	1.8			
							Bottom	12.2	1	19.5	8.3	30.2	8.2	105.8	5.2	3.2			
									2	19.5	8.3	30.2	8.2	105.4	5.2	3.2			
	TCE-WQM1	Fine	Moderate	15:35	9.4	Surface	1.0	1	20.1	8.4	29.1	9.6	122.7	6.0	3.7	9.5	7.3	3.6	
								2	20.1	8.4	29.1	9.5	122.4	6.0	3.2				
						Middle	4.7	1	20.1	8.4	29.2	9.5	121.8	7.2	3.6				
								2	20.1	8.4	29.2	9.4	121.4	7.2	3.9				
						Bottom	8.4	1	20.1	8.4	29.2	9.5	121.6	8.6	3.2				
								2	20.1	8.4	29.2	9.5	121.8	8.7	3.7				
	TCE-WQM2a	Fine	Moderate	15:58	8.2	Surface	1.0	1	20.0	8.3	28.6	10.1	130.0	4.4	2.2	9.2	7.4	2.1	
								2	20.0	8.3	28.6	10.1	130.0	4.4	2.1				
						Middle	4.1	1	19.9	8.3	29.1	8.3	105.6	8.6	2.3				
								2	19.9	8.3	29.2	8.3	105.4	8.6	2.1				
						Bottom	7.2	1	19.9	8.3	29.3	8.2	105.2	9.1	2.0				
								2	19.9	8.3	29.3	8.2	105.4	9.1	1.6				
TCE-WQM2b	Fine	Moderate	16:08	10.5	Surface	1.0	1	20.2	8.3	28.0	8.2	104.4	4.0	2.7	8.7	4.1	2.4		
							2	20.2	8.3	28.0	8.1	104.2	4.0	2.4					
					Middle	5.3	1	20.2	8.3	28.1	9.2	117.8	4.1	2.1					
							2	20.2	8.3	28.1	9.2	117.7	4.1	2.1					
					Bottom	9.5	1	20.2	8.3	28.1	8.6	110.1	4.2	2.7					
							2	20.2	8.3	28.1	8.6	110.0	4.2	2.4					
TCE-WQM3A	Fine	Moderate	15:52	4.2	Surface	1.0	1	20.2	8.4	28.1	9.5	121.9	5.1	6.7	9.5	6.0	6.6		
							2	20.2	8.4	28.1	9.5	121.9	5.0	6.3					
					Middle	3.2	1	20.2	8.4	28.1	8.5	109.2	6.9	6.4					
							2	20.2	8.4	28.1	8.5	109.2	7.0	7.1					
					Bottom	1.5	1	20.1	8.4	28.1	8.7	110.7	11.0	2.1					
							2	20.1	8.4	28.1	8.6	110.1	11.0	2.5					
11-02-2019	Mid-Flood	TCE-C1	Fine	Moderate	11:23	7.9	Surface	1.0	1	19.9	8.4	28.5	8.6	110.6	4.2	5.6	8.5	5.3	3.6
									2	19.9	8.4	28.5	8.6	110.2	4.2	4.3			
							Middle	4.0	1	19.8	8.4	29.4	8.5	108.9	5.4	3.4			
									2	19.8	8.4	29.5	8.5	108.5	5.4	2.6			
							Bottom	6.9	1	19.8	8.4	29.6	8.4	107.7	6.3	2.6			
									2	19.8	8.4	29.6	8.4	107.4	6.4	3.3			
		TCE-C2	Fine	Moderate	9:25	11.4	Surface	1.0	1	20.2	8.3	28.1	7.7	99.0	4.2	2.5	7.6	5.0	3.3
									2	20.2	8.3	28.1	7.7	98.6	4.2	2.7			
							Middle	5.7	1	19.9	8.3	29.3	7.6	96.8	5.3	3.0			
									2	19.8	8.3	29.4	7.6	96.7	5.3	2.7			
							Bottom	10.4	1	19.8	8.3	29.5	7.6	96.7	5.6	4.1			
									2	19.8	8.3	29.5	7.6	96.7	5.6	4.9			
	TCE-WQM1	Fine	Moderate	10:34	8.5	Surface	1.0	1	20.3	8.4	28.3	8.9	115.6	4.2	2.6	8.7	5.6	1.9	
								2	20.3	8.4	28.3	8.9	115.5	4.2	2.5				
						Middle	4.3	1	20.4	8.4	28.4	8.5	109.4	5.8	1.5				
								2	20.4	8.4	28.4	8.5	108.8	5.8	1.3				
						Bottom	7.5	1	20.4	8.4	28.4	8.4	107.7	6.7	1.5				
								2	20.4	8.4	28.4	8.3	106.9	6.8	1.9				
	TCE-WQM2a	Fine	Moderate	10:00	6.7	Surface	1.0	1	20.4	8.3	27.5	8.2	104.1	5.2	2.1	8.0	6.9	2.4	
								2	20.4	8.3	27.5	8.2	104.1	5.2	1.7				
						Middle	3.4	1	20.3	8.3	27.9	7.9	100.5	7.4	2.6				
								2	20.3	8.3	28.0	7.9	100.3	7.4	2.1				
						Bottom	5.7	1	20.2	8.3	28.3	7.9	100.1	8.1	3.0				
								2	20.2	8.3	28.3	7.8	100.1	8.0	2.6				
TCE-WQM2b	Fine	Moderate	9:47	10.1	Surface	1.0	1	20.3	8.3	27.9	8.4	107.5	5.8	2.5	8.1	6.9	3.0		
							2	20.3	8.3	27.9	8.4	106.9	5.8	2.6					
					Middle	5.1	1	20.2	8.3	28.0	7.8	99.4	6.9	2.2					
							2	20.2	8.3	28.0	7.8	98.9	6.9	2.8					
					Bottom	9.1	1	20.2	8.3	28.0	7.7	98.4	8.0	3.7					
							2	20.2	8.3	28.0	7.7	98.1	7.9	4.3					
TCE-WQM3A	Fine	Moderate	10:12	3.5	Surface	1.0	1	20.2	8.3	27.7	8.7	111.6	1.8	3.1	8.7	2.0	2.6		
							2	20.2	8.3	27.7	8.7	111.3	1.8	2.5					
					Middle	2.5	1	20.2	8.3	27.8	8.5	108.9	2.2	2.3					
							2	20.2	8.3	27.8	8.5	108.5	2.2	2.5					
					Bottom	1.4	1	20.2	8.3	28.1	8.7	112.1	3.5	4.4					
							2	20.2	8.3	28.1	8.7	112.0	3.5	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)								
13-02-2019	Mid-Ebb	TCE-C1	Fine	Moderate	17:35	8.9	Surface	1.0	1	19.8	8.3	30.0	9.1	119.0	1.8	1.9	8.8	2.5	1.3								
									2	19.8	8.3	30.0	9.1	118.8	1.8	1.2											
							Middle	4.5	1	19.5	8.3	31.0	8.4	110.5	2.1	1.1											
									2	19.5	8.3	31.0	8.4	110.3	2.1	0.9											
							Bottom	7.9	1	19.4	8.3	31.2	8.2	107.1	3.5	1.9											
									2	19.4	8.3	31.2	8.2	107.0	3.5	1.0											
		TCE-C2	Fine	Moderate	19:18	13.8	Surface	1.0	1	20.4	8.3	28.6	9.0	117.4	1.2	2.5	8.8	1.2	2.0								
									2	20.4	8.3	28.6	8.9	117.3	1.2	2.6											
							Middle	6.9	1	20.4	8.2	28.9	8.6	112.7	1.0	2.2											
									2	20.4	8.2	28.9	8.6	112.6	1.1	2.2											
							Bottom	12.8	1	19.7	8.2	29.8	8.0	104.4	1.3	0.9											
									2	19.7	8.2	29.8	8.0	104.8	1.3	1.5											
		TCE-WQM1	Fine	Moderate	18:12	8.3	Surface	1.0	1	20.2	8.2	28.7	8.4	109.7	1.9	3.9	8.3	1.9	3.6								
									2	20.2	8.2	28.7	8.4	109.7	1.9	3.5											
							Middle	4.2	1	20.1	8.2	28.8	8.3	107.8	1.9	3.5											
									2	20.1	8.2	28.8	8.3	107.7	1.9	3.7											
							Bottom	7.3	1	20.1	8.3	28.8	8.2	106.9	1.9	3.2											
									2	20.1	8.3	28.8	8.2	106.8	1.9	3.9											
		TCE-WQM2a	Fine	Moderate	18:44	7.0	Surface	1.0	1	20.3	8.2	28.5	8.5	110.6	2.1	3.8	8.3	2.0	3.1								
									2	20.3	8.2	28.5	8.5	110.6	2.1	4.2											
							Middle	3.5	1	20.1	8.2	28.8	8.2	106.5	2.2	2.0											
									2	20.1	8.2	28.8	8.2	106.4	2.2	2.3											
							Bottom	6.0	1	19.8	8.2	29.3	7.8	101.0	1.8	3.0											
									2	19.8	8.2	29.3	7.8	101.1	1.7	3.2											
TCE-WQM2b	Fine	Moderate	18:56	12.0	Surface	1.0	1	20.4	8.2	27.8	8.8	115.0	1.6	1.2	8.7	1.6	2.2										
							2	20.4	8.2	27.8	8.8	114.7	1.8	1.1													
					Middle	6.0	1	20.3	8.2	28.6	8.6	112.0	1.5	2.8													
							2	20.3	8.2	28.6	8.5	111.8	1.6	2.5													
					Bottom	11.0	1	20.2	8.2	28.6	8.4	109.4	1.6	2.7													
							2	20.2	8.2	28.6	8.3	109.1	1.6	3.1													
TCE-WQM3A	Fine	Moderate	18:34	4.7	Surface	1.0	1	20.5	8.2	28.3	8.3	108.1	2.8	2.5	8.2	4.7	3.4										
							2	20.5	8.2	28.3	8.2	108.0	2.9	3.0													
					Bottom	3.7	1	20.5	8.2	28.3	8.1	106.5	6.5	4.1													
							2	20.5	8.2	28.3	8.1	106.4	6.6	4.0													
					TCE-WQM4	Fine	Moderate	18:24	4.4	Surface	1.0	1	20.7	8.2				28.4	8.6	113.3	3.9	1.1	8.6	4.2	1.9		
												2	20.7	8.2				28.4	8.6	113.2	4.1	1.7					
Bottom	3.4	1	20.3	8.2						28.4	8.5	110.7	4.5	2.3													
		2	20.3	8.2						28.4	8.5	110.6	4.5	2.6													
13-02-2019	Mid-Flood	TCE-C1	Cloudy	Moderate						13:46	8.6	Surface	1.0	1	19.8	8.3	29.4	8.8	115.3	2.1	1.8	8.6				4.3	2.2
														2	19.8	8.3	29.6	8.8	115.1	2.3	1.7						
					Middle	4.3	1	19.4	8.2			30.9	8.3	108.6	4.0	1.8											
							2	19.4	8.2			30.9	8.3	108.6	4.6	2.2											
					Bottom	7.6	1	19.4	8.2			31.0	8.2	107.4	6.6	2.8											
							2	19.4	8.2			31.0	8.2	107.3	6.4	2.7											
		TCE-C2	Cloudy	Moderate	11:23	13.5	Surface	1.0	1	19.9	8.1	28.8	8.1	105.5	1.3	3.0	7.9	1.4	3.6								
									2	19.9	8.1	28.8	8.1	105.1	1.3	3.8											
							Middle	6.8	1	19.7	8.1	29.6	7.8	101.6	1.1	3.8											
									2	19.7	8.1	29.6	7.8	101.4	1.2	3.6											
							Bottom	12.5	1	19.6	8.0	30.1	7.7	99.9	1.9	3.5											
									2	19.6	8.0	30.1	7.7	99.9	1.9	3.9											
		TCE-WQM1	Cloudy	Moderate	12:31	8.5	Surface	1.0	1	20.3	8.2	28.2	8.1	105.8	2.1	1.1	8.1	3.8	1.6								
									2	20.3	8.2	28.2	8.1	105.9	2.1	1.0											
							Middle	4.3	1	20.2	8.2	28.4	8.1	105.8	4.0	1.9											
									2	20.2	8.2	28.4	8.1	105.7	4.1	1.7											
							Bottom	7.5	1	20.2	8.2	28.5	8.0	104.4	5.2	1.8											
									2	20.2	8.2	28.5	8.0	104.2	5.3	2.3											
		TCE-WQM2a	Cloudy	Moderate	11:58	7.0	Surface	1.0	1	20.0	8.2	28.5	8.3	108.4	1.9	1.6	8.2	2.5	3.0								
									2	20.0	8.2	28.5	8.3	108.4	1.9	1.3											
							Middle	3.5	1	20.0	8.2	28.6	8.2	106.0	2.0	3.4											
									2	20.0	8.2	28.6	8.1	105.8	2.1	2.8											
							Bottom	6.0	1	20.0	8.1	28.8	8.0	103.7	3.6	4.7											
									2	20.0	8.1	28.8	8.0	103.6	3.6	4.2											
TCE-WQM2b	Cloudy	Moderate	11:47	10.8	Surface	1.0	1	20.4	8.1	28.2	8.5	110.7	1.3	2.9	8.4	1.3	2.2										
							2	20.4	8.1	28.2	8.5	110.7	1.3	2.5													
					Middle	5.4	1	20.2	8.1	28.5	8.3	108.7	1.4	2.1													
							2	20.2	8.1	28.5	8.3	108.6	1.3	2.1													
					Bottom	9.8	1	20.1	8.0	28.7	8.2	107.2	1.4	1.7													
							2	20.1	8.0	28.6	8.2	107.1	1.3	1.8													
TCE-WQM3A	Cloudy	Moderate	12:09	4.2	Surface	1.0	1	20.1	8.2	28.5	8.2	107.2	4.2	1.7	8.2	6.2	1.5										
							2	20.1	8.2	28.5	8.2	107.1	4.5	1.6													
					Bottom	3.2	1	20.1	8.2	28.5	8.1	105.0	8.9	1.4													
							2	20.1	8.2	28.5	8.0	104.6	7.3	1.3													
					TCE-WQM4	Cloudy	Moderate	12:20	3.9	Surface	1.0	1	20.1	8.2				28.4	8.2	106.4	2.1	2.8	8.2	3.2	3.2		
												2	20.1	8.2				28.4	8.2	106.2	2.1	3.6					
Bottom	2.9	1	20.1	8.2						28.4	7.9	102.5	4.3	3.1													
		2	20.0	8.2						28.5	7.9	102.3	4.4	3.1													

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)								
15-02-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:36	8.7	Surface	1.0	1	20.2	8.2	30.1	8.8	115.4	1.2	1.9	8.6	1.8	1.7								
									2	20.2	8.2	30.1	8.8	115.3	1.2	2.0											
							Middle	4.4	1	19.9	8.2	31.1	8.5	112.6	1.2	2.0											
									2	20.0	8.2	31.0	8.5	112.5	1.3	2.1											
							Bottom	7.7	1	19.8	8.2	31.7	8.2	107.8	3.0	0.7											
									2	19.8	8.2	31.7	8.1	107.4	3.1	1.2											
		TCE-C2	Cloudy	Moderate	8:39	13.4	Surface	1.0	1	19.8	8.1	31.2	7.6	100.6	0.8	2.2	7.6	0.7	1.4								
									2	19.8	8.1	31.2	7.6	100.6	0.8	2.0											
							Middle	6.7	1	19.8	8.1	31.2	7.6	100.3	0.8	0.7											
									2	19.8	8.1	31.2	7.6	100.3	0.8	1.1											
							Bottom	12.4	1	19.7	8.1	31.3	7.6	99.6	0.6	1.2											
									2	19.7	8.1	31.3	7.6	99.6	0.6	1.2											
	TCE-WQM1	Cloudy	Moderate	9:53	8.5	Surface	1.0	1	20.5	8.2	29.5	8.0	105.8	1.6	3.9	8.0	1.6	4.2									
								2	20.5	8.2	29.5	8.0	105.8	1.6	4.5												
						Middle	4.3	1	20.5	8.2	29.5	8.0	105.2	1.5	2.0												
								2	20.5	8.2	29.5	8.0	105.1	1.4	2.8												
						Bottom	7.5	1	20.5	8.2	29.6	7.9	103.9	1.7	6.1												
								2	20.5	8.2	29.6	7.8	103.7	1.7	5.7												
	TCE-WQM2a	Cloudy	Moderate	9:19	7.0	Surface	1.0	1	20.1	8.2	29.8	8.0	105.5	1.3	4.6	8.0	1.4	3.8									
								2	20.1	8.2	29.8	8.0	105.5	1.3	5.2												
						Middle	3.5	1	20.1	8.2	29.8	8.0	105.4	1.2	4.3												
								2	20.1	8.2	29.8	8.0	105.4	1.2	4.4												
						Bottom	6.0	1	20.1	8.2	29.8	8.0	104.8	1.8	2.4												
								2	20.1	8.2	29.8	8.0	104.8	1.8	2.1												
TCE-WQM2b	Cloudy	Moderate	9:07	11.0	Surface	1.0	1	20.0	8.1	30.0	7.8	101.9	1.0	2.6	7.7	1.0	2.8										
							2	20.0	8.1	30.0	7.8	102.0	1.0	2.1													
					Middle	5.5	1	19.9	8.1	30.6	7.7	101.1	0.7	2.8													
							2	19.9	8.1	30.6	7.7	100.9	0.7	2.8													
					Bottom	10.0	1	19.8	8.1	30.9	7.5	98.9	1.3	3.0													
							2	19.8	8.1	30.9	7.5	98.9	1.4	3.4													
TCE-WQM3A	Cloudy	Moderate	9:30	4.2	Surface	1.0	1	20.2	8.1	29.5	7.7	101.6	2.1	2.4	7.7	3.1	2.2										
							2	20.2	8.1	29.5	7.7	101.5	2.1	2.9													
					Bottom	3.2	1	20.2	8.1	29.7	7.7	100.7	4.2	1.7													
							2	20.2	8.1	29.7	7.7	100.8	4.0	1.7													
					TCE-WQM4	Cloudy	Moderate	9:42	3.9	Surface	1.0	1	20.2	8.2				29.5	7.9	103.3	1.8	2.4	7.9	2.6	2.7		
												2	20.2	8.2				29.5	7.9	103.3	1.8	2.4					
Bottom	2.9	1	20.2	8.2						29.5	7.9	103.2	3.2	3.1													
		2	20.2	8.2						29.5	7.8	103.1	3.6	2.7													
15-02-2019	Mid-Flood	TCE-C1	Cloudy	Moderate						12:29	8.7	Surface	1.0	1	20.2	8.2	30.3	8.8	116.2	1.4	<0.5	8.5				2.2	1.7
														2	20.2	8.2	30.3	8.8	116.1	1.3	<0.5						
					Middle	4.4	1	19.8	8.2			31.5	8.3	109.4	1.4	2.2											
							2	19.8	8.2			31.5	8.3	109.2	1.4	2.8											
					Bottom	7.7	1	19.8	8.2			31.9	8.0	105.8	3.9	2.3											
							2	19.8	8.2			31.9	8.0	105.8	4.0	2.4											
		TCE-C2	Cloudy	Moderate	14:33	13.2	Surface	1.0	1	20.0	8.2	30.9	8.1	107.1	0.7	1.3	7.8	0.8	3.3								
									2	20.0	8.2	30.9	8.1	107.0	0.7	1.2											
							Middle	6.6	1	19.8	8.1	31.2	7.6	100.1	0.9	4.2											
									2	19.8	8.1	31.2	7.6	99.8	1.0	4.5											
							Bottom	12.2	1	19.7	8.1	31.4	7.5	98.2	0.9	4.3											
									2	19.7	8.1	31.4	7.5	98.3	0.9	4.4											
	TCE-WQM1	Cloudy	Moderate	13:17	8.3	Surface	1.0	1	20.6	8.2	29.4	8.1	106.9	1.8	1.6	8.1	1.8	2.4									
								2	20.6	8.2	29.4	8.1	106.9	1.7	1.4												
						Middle	4.2	1	20.6	8.2	29.5	8.0	106.3	1.9	2.7												
								2	20.6	8.2	29.5	8.0	106.2	1.9	2.3												
						Bottom	7.3	1	20.6	8.2	29.5	8.0	105.1	1.7	3.3												
								2	20.6	8.2	29.5	7.9	105.0	1.7	3.1												
	TCE-WQM2a	Cloudy	Moderate	13:51	7.7	Surface	1.0	1	20.2	8.2	29.9	8.4	111.2	0.8	1.7	8.3	1.0	1.6									
								2	20.2	8.2	29.9	8.4	111.2	0.8	2.1												
						Middle	3.9	1	20.2	8.2	29.9	8.1	106.8	1.1	0.8												
								2	20.2	8.2	29.9	8.1	106.7	1.1	0.7												
						Bottom	6.7	1	20.2	8.2	29.9	8.0	105.0	1.1	1.9												
								2	20.2	8.2	29.9	8.0	104.8	1.1	2.4												
TCE-WQM2b	Cloudy	Moderate	14:04	11.5	Surface	1.0	1	20.2	8.2	30.0	8.3	109.7	0.9	2.4	8.2	1.0	1.8										
							2	20.2	8.2	30.0	8.3	109.5	0.9	1.6													
					Middle	5.8	1	20.1	8.2	30.1	8.1	106.1	0.9	1.7													
							2	20.1	8.2	30.1	8.0	105.9	0.9	1.2													
					Bottom	10.5	1	20.1	8.2	30.3	7.9	103.9	1.3	1.8													
							2	20.1	8.2	30.3	7.9	103.9	1.2	2.3													
TCE-WQM3A	Cloudy	Moderate	13:41	4.7	Surface	1.0	1	20.3	8.2	29.6	8.1	106.9	2.4	2.0	8.1	5.1	3.0										
							2	20.3	8.2	29.6	8.1	106.8	2.5	2.7													
					Bottom	3.7	1	20.3	8.2	29.7	8.0	105.8	8.3	3.6													
							2	20.3	8.2	29.7	8.0	105.6	7.2	3.6													
					TCE-WQM4	Cloudy	Moderate	13:30	4.4	Surface	1.0	1	20.5	8.2				29.5	8.3	109.6	2.1	2.7	8.3	9.1	2.9		
												2	20.5	8.2				29.5	8.3	109.4	2.1	2.7					
Bottom	3.4	1	20.4	8.2						29.5	8.1	106.6	15.7	3.3													
		2	20.4	8.2						29.5	8.1	106.4	16.6	2.7													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
18-02-2019	Mid-Ebb	TCE-C1	Rainy	Rough	13:09	8.2	Surface	1.0	1	20.1	8.3	30.6	8.3	110.1	4.5	4.8	8.3	6.8	4.8								
									2	20.1	8.3	30.7	8.3	110.2	4.6	4.9											
							Middle	4.1	1	20.0	8.2	31.4	8.3	109.8	6.8	5.7											
									2	20.0	8.2	31.4	8.3	109.7	7.3	4.6											
							Bottom	7.2	1	20.0	8.1	31.4	8.2	108.1	8.9	4.2											
									2	20.0	8.1	31.4	8.1	107.7	8.5	4.3											
				1	19.9	8.1	30.4	7.7	100.7	2.5	2.6																
				2	19.9	8.1	30.4	7.7	100.6	2.4	2.4																
		Middle	6.7	1	19.9	8.1	30.5	7.6	99.9	3.4	3.5																
				2	19.9	8.1	30.5	7.6	99.8	3.4	3.2																
		Bottom	12.4	1	19.9	8.0	30.6	7.6	99.4	3.7	2.2																
				2	19.9	8.0	30.6	7.6	99.4	3.7	2.4																
	TCE-WQM1	Rainy	Moderate	12:17	7.6	Surface	1.0	1	20.2	8.2	29.2	7.9	103.9	2.3	3.6	7.9	2.4	3.8									
								2	20.2	8.2	29.2	7.9	103.9	2.3	3.8												
						Middle	3.8	1	20.2	8.2	29.2	7.9	103.3	2.3	3.9												
								2	20.2	8.2	29.2	7.9	103.2	2.3	4.3												
						Bottom	6.6	1	20.2	8.1	29.2	7.8	102.7	2.5	3.8												
								2	20.2	8.1	29.2	7.8	102.6	2.6	3.5												
	TCE-WQM2a	Rainy	Moderate	11:40	7.3	Surface	1.0	1	20.1	8.2	28.8	7.9	102.8	2.2	2.7	7.8	3.1	3.1									
								2	20.1	8.2	28.8	7.9	102.8	2.2	3.1												
						Middle	3.7	1	20.1	8.1	29.3	7.7	101.4	2.3	3.9												
								2	20.1	8.1	29.4	7.7	101.3	2.6	3.9												
						Bottom	6.3	1	20.1	8.1	29.6	7.7	100.7	4.3	2.1												
								2	20.1	8.1	29.6	7.7	100.7	4.8	2.9												
TCE-WQM2b	Rainy	Rough	11:28	11.3	Surface	1.0	1	20.1	8.2	29.4	7.8	101.9	3.7	2.2	7.7	4.7	3.5										
							2	20.1	8.2	29.4	7.8	101.9	3.7	3.1													
					Middle	5.7	1	20.0	8.1	29.9	7.7	100.8	4.9	3.8													
							2	20.0	8.1	30.0	7.7	100.7	5.1	4.3													
					Bottom	10.3	1	20.0	8.0	30.4	7.6	100.4	5.3	3.6													
							2	20.0	8.0	30.3	7.7	100.5	5.2	4.2													
TCE-WQM3A	Rainy	Moderate	11:53	4.4	Surface	1.0	1	20.1	8.1	28.9	7.6	99.6	2.4	3.7	7.6	3.0	3.3										
							2	20.1	8.1	28.9	7.6	99.5	2.5	4.3													
					Bottom	3.4	1	20.1	8.0	28.9	7.6	99.3	3.6	2.6													
							2	20.1	8.0	28.9	7.6	99.3	3.4	2.5													
					TCE-WQM4	Rainy	Moderate	12:05	3.5	Surface	1.0	1	20.3	8.2				28.9	8.1	105.5	2.0	3.2	8.0	2.5	3.5		
												2	20.3	8.2				28.9	8.0	105.4	2.0	3.9					
Bottom	2.5	1	20.2	8.2						28.9	8.0	105.1	2.6	3.3													
		2	20.2	8.1						28.9	8.0	105.0	3.2	3.6													
18-02-2019	Mid-Flood	TCE-C1	Rainy	Rough						15:49	8.4	Surface	1.0	1	20.0	8.3	29.9	8.2	107.8	3.4	7.2	8.2				5.6	6.2
														2	20.0	8.3	30.0	8.2	107.9	3.4	6.7						
					Middle	4.2	1	20.1	8.3			30.4	8.2	108.1	5.6	6.2											
							2	20.1	8.3			30.5	8.2	108.1	5.7	6.4											
					Bottom	7.4	1	20.1	8.2			30.7	8.2	107.8	7.6	5.7											
							2	20.1	8.2			30.7	8.2	107.8	7.6	5.0											
		TCE-C2	Rainy	Rough	18:03	13.8	Surface	1.0	1	20.0	8.2	29.0	8.1	105.2	3.5	3.5	7.9	4.3	4.9								
									2	20.0	8.2	29.0	8.0	105.1	3.4	4.3											
							Middle	6.9	1	20.0	8.2	29.9	7.7	100.7	4.3	4.4											
									2	20.0	8.2	30.0	7.7	100.5	4.3	4.4											
							Bottom	12.8	1	19.9	8.2	30.3	7.6	100.2	4.9	6.3											
									2	19.9	8.2	30.3	7.6	100.3	5.1	6.5											
	TCE-WQM1	Rainy	Moderate	16:47	7.5	Surface	1.0	1	20.1	8.3	28.2	8.0	103.6	2.7	3.6	7.9	4.6	3.1									
								2	20.1	8.3	28.3	8.0	103.5	2.8	3.7												
						Middle	3.8	1	20.2	8.2	29.1	7.8	102.6	4.5	3.1												
								2	20.2	8.2	29.2	7.8	102.5	4.5	2.5												
						Bottom	6.5	1	20.2	8.2	29.3	7.8	102.3	6.3	2.4												
								2	20.2	8.2	29.3	7.8	102.3	6.5	3.1												
	TCE-WQM2a	Rainy	Moderate	17:23	7.5	Surface	1.0	1	20.1	8.2	28.7	7.9	102.8	2.9	2.1	7.8	4.3	2.8									
								2	20.1	8.2	28.7	7.9	102.8	2.9	2.4												
						Middle	3.8	1	20.1	8.2	29.0	7.8	101.3	4.2	2.8												
								2	20.1	8.1	29.0	7.7	101.2	4.4	3.7												
						Bottom	6.5	1	20.1	8.1	29.2	7.7	101.1	5.3	2.8												
								2	20.1	8.1	29.2	7.7	101.2	5.9	3.1												
TCE-WQM2b	Rainy	Rough	17:34	11.2	Surface	1.0	1	20.2	8.2	28.2	7.9	103.5	3.8	3.6	7.9	3.8	3.3										
							2	20.2	8.2	28.3	7.9	103.3	3.8	3.4													
					Middle	5.6	1	20.1	8.2	28.6	7.8	102.3	3.6	2.8													
							2	20.1	8.2	28.7	7.8	102.2	3.5	3.1													
					Bottom	10.2	1	20.1	8.2	28.9	7.8	101.9	3.9	3.2													
							2	20.1	8.1	28.9	7.8	101.9	4.2	3.7													
TCE-WQM3A	Rainy	Moderate	17:12	4.1	Surface	1.0	1	20.0	8.1	28.5	7.7	100.4	2.7	2.4	7.7	2.7	3.0										
							2	20.0	8.1	28.5	7.7	100.4	2.7	3.2													
					Bottom	3.1	1	20.0	8.1	28.4	7.7	100.2	2.6	2.9													
							2	20.0	8.1	28.4	7.7	100.3	2.7	3.3													
					TCE-WQM4	Rainy	Moderate	16:59	3.6	Surface	1.0	1	20.3	8.1				28.8	7.9	103.4	3.2	2.4	7.9	4.8	2.6		
												2	20.3	8.1				28.8	7.9	103.3	3.2	2.9					
Bottom	2.6	1	20.3	8.1						28.9	7.9	102.9	6.4	2.7													
		2	20.3	8.1						28.9	7.8	102.8	6.5	2.5													

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)						
20-02-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:03	8.3	Surface	1.0	1	20.5	8.3	27.5	8.6	111.8	3.8	4.7	8.3	4.5	4.9						
									2	20.5	8.3	27.6	8.5	111.6	3.9	4.1									
							Middle	4.2	1	20.1	8.3	28.9	8.1	105.2	4.0	5.1									
									2	20.1	8.3	29.0	8.0	105.2	4.1	4.6									
							Bottom	7.3	1	20.0	8.3	30.2	8.0	104.7	5.4	5.7									
									2	20.0	8.3	30.2	8.0	104.7	5.5	4.9									
		TCE-C2	Cloudy	Moderate	14:10	13.7	Surface	1.0	1	20.7	8.2	29.0	8.2	108.4	1.9	3.8	7.9	2.0	3.8						
									2	20.7	8.2	29.0	8.2	108.4	1.9	3.3									
							Middle	6.9	1	20.3	8.2	29.6	7.6	100.7	2.0	4.1									
									2	20.3	8.2	29.6	7.6	100.6	2.0	3.9									
							Bottom	12.7	1	20.3	8.2	29.8	7.6	99.9	2.0	3.4									
									2	20.3	8.2	29.8	7.6	99.9	1.9	4.1									
	TCE-WQM1	Cloudy	Calm	12:56	8.2	Surface	1.0	1	20.7	8.2	29.4	7.9	104.6	3.0	4.0	7.9	4.1	5.0							
								2	20.7	8.2	29.4	7.9	104.5	3.0	4.8										
						Middle	4.1	1	20.7	8.2	29.4	7.8	103.9	4.0	5.4										
								2	20.7	8.2	29.4	7.8	103.9	4.0	5.1										
						Bottom	7.2	1	20.7	8.2	29.4	7.8	103.5	5.2	5.6										
								2	20.7	8.2	29.4	7.8	103.5	5.5	5.2										
	TCE-WQM2a	Cloudy	Moderate	13:33	7.0	Surface	1.0	1	20.8	8.2	28.8	8.3	109.4	2.5	3.6	8.0	2.3	2.9							
								2	20.8	8.2	28.8	8.3	109.4	2.5	3.0										
						Middle	3.5	1	20.6	8.2	29.1	7.7	101.5	2.2	2.2										
								2	20.6	8.2	29.1	7.7	101.4	2.2	2.7										
						Bottom	6.0	1	20.6	8.2	29.1	7.6	100.6	2.2	2.6										
								2	20.6	8.2	29.1	7.6	100.6	2.2	3.3										
TCE-WQM2b	Cloudy	Moderate	13:45	11.0	Surface	1.0	1	21.0	8.2	28.0	8.1	107.2	4.0	5.6	8.0	3.6	4.5								
							2	21.0	8.2	28.0	8.1	107.2	4.0	4.9											
					Middle	5.5	1	20.7	8.2	28.6	8.0	105.1	2.8	4.9											
							2	20.7	8.2	28.6	8.0	105.1	2.7	4.4											
					Bottom	10.0	1	20.4	8.2	29.4	7.7	100.9	4.3	3.3											
							2	20.4	8.2	29.4	7.7	100.9	4.0	3.6											
TCE-WQM3A	Cloudy	Calm	13:22	3.7	Surface	1.0	1	20.7	8.2	29.0	7.5	98.4	9.7	18.6	7.5	9.7	19.3								
							2	20.7	8.2	29.0	7.5	98.4	10.0	19.5											
					Bottom	2.7	1	20.7	8.2	29.1	7.5	98.6	9.6	20.7											
							2	20.7	8.2	29.1	7.5	98.5	9.6	18.5											
					TCE-WQM4	Cloudy	Calm	13:12	3.5	Surface	1.0	1	20.9	8.2				29.1	8.2	108.7	2.3	4.7	8.2	4.4	6.2
											2	20.9	8.2	29.1				8.2	108.7	2.2	5.1				
		Bottom	2.5	1	20.7	8.2	29.1	8.1	107.8	6.7	7.7	8.1													
				2	20.7	8.2	29.1	8.1	107.7	6.5	7.2														
20-02-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	9:15	8.2	Surface	1.0	1	20.5	8.2	26.3	7.9	102.8	7.2	5.4	7.9	8.2	8.0						
									2	20.5	8.2	26.2	7.9	102.9	7.2	5.1									
							Middle	4.1	1	20.2	8.2	28.6	7.8	102.3	8.0	5.3									
									2	20.2	8.2	28.6	7.8	102.3	8.1	5.5									
							Bottom	7.2	1	20.2	8.1	29.2	7.7	101.4	9.2	13.7									
									2	20.2	8.1	29.2	7.7	101.3	9.2	13.2									
		TCE-C2	Cloudy	Moderate	7:24	12.0	Surface	1.0	1	20.4	8.1	28.0	7.7	100.1	2.5	5.7	7.6	3.1	4.3						
									2	20.4	8.1	28.0	7.7	100.1	2.6	5.3									
							Middle	6.0	1	20.4	8.1	28.2	7.6	99.7	3.1	3.6									
									2	20.4	8.1	28.3	7.6	99.6	3.3	3.4									
							Bottom	11.0	1	20.3	8.1	28.9	7.5	98.6	3.5	3.6									
									2	20.3	8.1	28.9	7.5	98.6	3.6	4.4									
	TCE-WQM1	Cloudy	Moderate	8:33	7.8	Surface	1.0	1	20.5	8.2	28.4	7.5	98.0	2.8	2.3	7.5	3.4	2.9							
								2	20.5	8.2	28.4	7.5	98.0	2.8	2.7										
						Middle	3.9	1	20.5	8.2	28.4	7.4	97.7	2.9	2.8										
								2	20.5	8.2	28.4	7.4	97.6	2.9	2.4										
						Bottom	6.8	1	20.5	8.2	28.5	7.4	97.6	4.5	3.8										
								2	20.5	8.2	28.5	7.4	97.6	4.6	3.3										
	TCE-WQM2a	Cloudy	Moderate	7:57	7.0	Surface	1.0	1	20.5	8.2	27.8	7.6	99.4	3.4	3.6	7.6	3.4	3.7							
								2	20.5	8.2	27.8	7.6	99.4	3.4	3.8										
						Middle	3.5	1	20.5	8.2	27.8	7.6	99.1	3.3	3.6										
								2	20.5	8.2	27.8	7.6	99.0	3.3	3.2										
						Bottom	6.0	1	20.4	8.2	28.1	7.5	98.5	3.5	3.5										
								2	20.4	8.2	28.1	7.5	98.5	3.6	4.3										
TCE-WQM2b	Cloudy	Moderate	7:46	10.7	Surface	1.0	1	20.4	8.2	28.0	7.7	100.2	3.8	5.2	7.7	4.3	5.6								
							2	20.4	8.2	28.1	7.7	100.2	3.7	6.0											
					Middle	5.4	1	20.4	8.2	28.2	7.7	100.1	3.9	5.1											
							2	20.4	8.2	28.2	7.7	100.1	4.0	5.8											
					Bottom	9.7	1	20.4	8.2	28.2	7.6	99.9	5.2	5.3											
							2	20.4	8.2	28.2	7.6	99.9	5.4	5.9											
TCE-WQM3A	Cloudy	Moderate	8:08	3.6	Surface	1.0	1	20.4	8.2	28.5	7.5	97.8	4.4	3.7	7.5	4.3	3.7								
							2	20.4	8.2	28.5	7.5	97.8	4.6	4.1											
					Bottom	2.6	1	20.4	8.2	28.5	7.5	97.8	3.9	3.1											
							2	20.4	8.2	28.5	7.5	97.8	4.2	3.7											
					TCE-WQM4	Cloudy	Moderate	8:20	3.8	Surface	1.0	1	20.4	8.2				28.3	7.6	98.9	2.5	3.3	7.6	3.1	3.8
											2	20.4	8.2	28.3				7.6	98.9	2.6	3.5				
		Bottom	2.8	1	20.4	8.2	28.3	7.5	98.2	3.6	4.1	7.5													
				2	20.4	8.2	28.3	7.5	98.1	3.7	4.2														

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
22-02-2019	Mid-Ebb	TCE-C1	Misty	Rough	13:26	7.8	Surface	1.0	1	20.7	8.2	26.8	7.9	102.7	7.7	3.7	7.9	8.1	4.2								
									2	20.7	8.2	26.8	7.9	102.6	7.7	4.2											
							Middle	3.9	1	20.6	8.2	26.9	7.9	102.5	8.1	4.9											
									2	20.6	8.2	26.9	7.9	102.5	8.1	5.1											
							Bottom	6.8	1	20.6	8.2	28.8	7.8	102.4	8.5	3.3											
									2	20.6	8.2	28.8	7.8	102.4	8.5	4.2											
		TCE-C2	Misty	Rough	15:13	14.6	Surface	1.0	1	21.6	8.3	28.1	8.9	119.2	1.6	1.1	8.4	1.9	1.9								
									2	21.6	8.3	28.1	8.9	119.2	1.6	1.8											
							Middle	7.3	1	20.9	8.2	29.0	7.9	105.1	1.7	2.3											
									2	20.9	8.2	29.1	7.9	104.7	1.7	2.4											
							Bottom	13.6	1	20.9	8.2	29.1	7.9	104.4	2.3	1.3											
									2	20.9	8.2	29.1	7.9	104.4	2.3	2.2											
		TCE-WQM1	Misty	Rough	14:05	8.3	Surface	1.0	1	20.8	8.2	29.1	7.9	105.0	4.1	3.8	7.9	4.2	4.6								
									2	20.7	8.2	29.1	7.9	105.0	4.1	3.5											
							Middle	4.2	1	20.7	8.2	29.1	7.9	104.7	4.2	4.1											
									2	20.7	8.3	29.1	7.9	104.6	4.2	4.8											
							Bottom	7.3	1	20.7	8.3	29.1	7.9	104.4	4.4	6.3											
									2	20.7	8.3	29.1	7.9	104.4	4.4	5.3											
	TCE-WQM2a	Misty	Rough	14:40	7.3	Surface	1.0	1	21.0	8.2	28.4	8.0	106.1	3.2	1.9	7.9	6.9	1.6									
								2	21.0	8.2	28.4	8.0	106.1	3.2	1.1												
						Middle	3.7	1	21.0	8.2	28.5	7.9	104.5	8.5	0.8												
								2	21.0	8.2	28.5	7.9	104.4	8.5	2.1												
						Bottom	6.3	1	21.0	8.2	28.6	7.9	104.8	9.1	1.6												
								2	21.0	8.2	28.5	7.9	105.1	9.1	2.0												
	TCE-WQM2b	Misty	Rough	14:52	10.5	Surface	1.0	1	21.4	8.2	27.0	8.4	110.8	2.3	5.7	8.3	2.5	3.4									
								2	21.4	8.2	27.1	8.3	110.4	2.4	4.6												
						Middle	5.3	1	21.2	8.2	28.0	8.2	108.2	2.5	3.5												
								2	21.1	8.2	28.2	8.1	107.9	2.5	2.0												
						Bottom	9.5	1	21.1	8.2	28.3	8.1	108.0	2.7	2.3												
								2	21.2	8.2	28.1	8.2	108.3	2.7	2.5												
	TCE-WQM3A	Misty	Rough	14:28	3.4	Surface	1.0	1	21.2	8.2	28.4	7.9	105.2	2.6	2.0	7.9	2.7	2.2									
								2	21.2	8.2	28.4	7.9	105.2	2.6	2.2												
						Bottom	2.4	1	21.2	8.2	28.4	7.9	105.1	2.8	2.0												
								2	21.2	8.2	28.4	7.9	105.1	2.8	2.5												
						TCE-WQM4	Misty	Rough	14:17	3.2	Surface	1.0	1	21.2	8.2				28.6	8.3	110.8	3.1	1.7	8.3	3.2	1.8	
													2	21.2	8.2				28.6	8.3	110.6	3.1	0.5				
Bottom	2.2	1	21.1	8.2	28.6						8.2	108.9	3.3	1.8													
		2	21.1	8.2	28.6						8.2	108.8	3.3	3.0													
22-02-2019	Mid-Flood	TCE-C1	Misty	Rough	10:40						7.5	Surface	1.0	1	20.7	8.2	26.8	7.9	102.8	7.5	4.5	7.9	7.7				5.9
														2	20.7	8.2	26.8	7.9	102.7	7.5	5.0						
						Middle	3.8	1	20.6	8.2		26.9	7.9	102.5	7.7	6.6											
								2	20.6	8.2		26.9	7.9	102.4	7.7	6.5											
						Bottom	6.5	1	20.6	8.2		28.8	7.8	102.4	7.9	6.2											
								2	20.6	8.2		28.8	7.8	102.5	7.9	6.5											
		TCE-C2	Misty	Rough	8:34	13.2	Surface	1.0	1	21.1	8.2	27.9	7.8	102.5	2.7	4.5	7.7	2.8	3.9								
									2	21.1	8.2	27.9	7.8	102.6	2.7	3.9											
							Middle	6.6	1	20.8	8.2	28.1	7.7	101.3	2.8	3.6											
									2	20.8	8.2	28.1	7.7	101.1	2.8	3.8											
							Bottom	12.2	1	21.0	8.2	28.1	7.7	102.0	2.9	3.2											
									2	21.0	8.2	28.1	7.7	102.1	2.9	4.6											
		TCE-WQM1	Misty	Rough	9:44	9.2	Surface	1.0	1	21.0	8.2	28.7	7.6	100.9	2.9	2.8	7.6	3.1	2.9								
									2	21.0	8.2	28.7	7.6	100.9	2.9	2.8											
							Middle	4.6	1	21.0	8.2	28.7	7.6	101.2	3.1	2.6											
									2	21.0	8.2	28.7	7.6	101.3	3.1	2.6											
							Bottom	8.2	1	21.0	8.2	28.7	7.7	101.6	3.2	3.6											
									2	21.0	8.2	28.7	7.7	101.7	3.2	2.8											
	TCE-WQM2a	Misty	Rough	9:10	6.8	Surface	1.0	1	21.0	8.2	27.9	7.7	102.1	2.9	2.2	7.7	3.6	2.5									
								2	21.0	8.2	27.9	7.7	102.1	2.9	1.6												
						Middle	3.4	1	21.0	8.2	28.1	7.7	101.4	3.3	2.6												
								2	21.0	8.2	28.1	7.7	101.4	3.3	2.0												
						Bottom	5.8	1	21.0	8.2	28.2	7.7	101.3	4.7	3.6												
								2	21.0	8.2	28.2	7.7	101.3	4.7	3.1												
	TCE-WQM2b	Misty	Rough	8:57	10.1	Surface	1.0	1	21.0	8.2	27.4	7.7	100.9	3.8	3.6	7.7	4.5	3.8									
								2	21.0	8.2	27.5	7.7	101.0	3.8	4.2												
						Middle	5.1	1	21.0	8.2	27.7	7.7	101.5	4.2	3.1												
								2	21.0	8.2	27.7	7.7	101.5	4.2	4.1												
						Bottom	9.1	1	21.0	8.2	27.7	7.7	101.8	5.6	3.3												
								2	21.0	8.2	27.7	7.7	101.9	5.6	4.4												
	TCE-WQM3A	Misty	Rough	9:22	4.2	Surface	1.0	1	20.9	8.2	28.3	7.6	100.1	3.5	3.1	7.6	8.0	2.8									
								2	20.9	8.2	28.3	7.6	100.1	3.5	2.7												
						Bottom	3.2	1	20.9	8.2	28.3	7.6	100.8	12.5	2.0												
								2	20.9	8.2	28.3	7.7	101.0	12.5	3.3												
						TCE-WQM4	Misty	Rough	9:33	2.9	Middle	1.5	1	20.9	8.2				28.5	7.8	102.5	3.1	4.4	7.8	3.1	3.6	
													2	20.9	8.2				28.5	7.8	102.6	3.1	2.8				

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)						
25-02-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	15:46	8.0	Surface	1.0	1	19.5	8.3	30.2	8.7	112.6	1.8	4.0	8.4	2.4	2.3						
									2	19.5	8.3	30.2	8.6	112.5	1.8	3.1									
							Middle	4.0	1	19.5	8.3	31.0	8.3	108.2	2.1	1.8									
									2	19.5	8.3	31.1	8.2	107.8	2.2	2.4									
							Bottom	7.0	1	19.5	8.3	31.6	8.1	106.4	3.2	1.3									
									2	19.5	8.3	31.7	8.1	106.3	3.4	1.2									
		TCE-C2	Cloudy	Moderate	17:38	13.7	Surface	1.0	1	20.0	8.2	28.4	7.8	101.0	1.7	2.0	7.6	1.5	1.6						
									2	20.0	8.2	28.5	7.8	100.9	1.6	1.1									
							Middle	6.9	1	20.0	8.2	29.2	7.5	98.2	1.7	2.4									
									2	20.0	8.2	29.3	7.5	97.9	1.7	1.8									
							Bottom	12.7	1	19.8	8.2	30.9	7.3	96.5	1.3	0.8									
									2	19.8	8.2	30.9	7.4	96.6	1.3	1.3									
	TCE-WQM1	Cloudy	Calm	16:30	8.2	Surface	1.0	1	19.7	8.3	29.0	7.7	99.8	2.8	3.5	7.7	3.1	3.2							
								2	19.7	8.3	29.0	7.7	99.8	2.8	4.2										
						Middle	4.1	1	19.7	8.3	29.0	7.7	99.9	3.1	2.5										
								2	19.7	8.3	29.0	7.7	99.9	3.1	2.3										
						Bottom	7.2	1	19.7	8.3	29.0	7.7	100.4	3.3	3.7										
								2	19.7	8.3	29.0	7.8	100.5	3.4	2.8										
	TCE-WQM2a	Cloudy	Moderate	17:04	7.6	Surface	1.0	1	20.0	8.2	28.5	7.7	100.0	2.4	3.5	7.6	1.7	2.5							
								2	20.0	8.2	28.5	7.7	100.0	2.4	3.1										
						Middle	3.8	1	20.0	8.2	29.6	7.6	98.9	1.2	1.9										
								2	20.0	8.2	29.6	7.6	98.9	1.3	2.9										
						Bottom	6.6	1	20.0	8.2	29.7	7.6	99.9	1.4	1.8										
								2	20.0	8.2	29.7	7.7	100.3	1.3	1.8										
TCE-WQM2b	Cloudy	Moderate	17:16	11.8	Surface	1.0	1	20.0	8.2	28.1	7.7	100.4	2.3	3.2	7.7	3.4	2.4								
							2	20.0	8.2	28.1	7.7	100.3	2.4	2.4											
					Middle	5.9	1	20.0	8.2	28.4	7.6	99.2	2.6	3.0											
							2	20.0	8.2	28.4	7.6	99.1	2.8	1.8											
					Bottom	10.8	1	20.0	8.2	28.6	7.6	99.2	5.1	2.3											
							2	20.0	8.2	28.6	7.6	99.3	4.9	1.6											
TCE-WQM3A	Cloudy	Calm	16:53	3.7	Surface	1.0	1	20.0	8.2	28.2	7.4	96.4	9.4	6.7	7.4	8.5	8.3								
							2	20.0	8.2	28.2	7.4	96.5	8.9	6.3											
					Middle	2.7	1	20.0	8.2	28.2	7.5	97.2	8.0	10.6											
							2	20.0	8.2	28.2	7.5	97.5	7.9	9.5											
					Bottom	1.4	1	20.0	8.2	28.3	7.8	101.2	2.9	4.7											
							2	20.0	8.2	28.3	7.8	101.3	3.1	4.1											
25-02-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	12:15	8.2	Surface	1.0	1	19.5	8.3	30.7	8.2	106.8	4.2	2.7	8.1	10.2	2.9						
									2	19.5	8.3	30.7	8.2	106.6	4.7	2.7									
							Middle	4.1	1	19.6	8.3	31.3	8.1	105.8	10.0	5.1									
									2	19.6	8.3	31.3	8.1	105.7	10.8	4.0									
							Bottom	7.2	1	19.6	8.3	31.4	8.0	105.5	15.7	1.6									
									2	19.6	8.3	31.4	8.0	105.4	16.0	1.4									
		TCE-C2	Cloudy	Moderate	10:08	13.4	Surface	1.0	1	20.0	8.2	28.6	7.6	99.0	1.6	<0.5	7.5	2.1	0.3						
									2	20.0	8.2	28.6	7.6	99.0	1.6	<0.5									
							Middle	6.7	1	20.0	8.2	30.1	7.4	97.2	2.1	<0.5									
									2	20.0	8.2	30.2	7.4	97.2	2.1	<0.5									
							Bottom	12.4	1	20.0	8.2	30.5	7.4	97.0	2.5	<0.5									
									2	20.0	8.2	30.5	7.4	97.0	2.5	<0.5									
	TCE-WQM1	Cloudy	Calm	11:22	7.5	Surface	1.0	1	20.0	8.2	28.3	7.3	94.8	2.8	2.3	7.4	3.0	2.0							
								2	20.0	8.2	28.3	7.3	95.0	2.9	3.2										
						Middle	3.8	1	19.9	8.2	28.4	7.4	96.2	3.0	0.8										
								2	19.9	8.2	28.4	7.4	96.4	3.0	1.0										
						Bottom	6.5	1	19.9	8.2	28.4	7.5	96.9	3.1	1.9										
								2	19.9	8.2	28.4	7.5	97.0	3.1	2.8										
	TCE-WQM2a	Cloudy	Moderate	10:47	7.2	Surface	1.0	1	20.0	8.2	28.2	7.6	98.6	5.1	1.6	7.5	5.7	1.9							
								2	20.0	8.2	28.2	7.6	98.6	5.1	2.6										
						Middle	3.6	1	20.0	8.2	28.4	7.5	97.2	4.4	1.4										
								2	20.0	8.2	28.4	7.5	97.1	4.4	1.3										
						Bottom	6.2	1	20.0	8.2	28.5	7.4	96.9	7.4	1.9										
								2	20.0	8.2	28.5	7.5	97.0	7.7	2.3										
TCE-WQM2b	Cloudy	Moderate	10:34	11.6	Surface	1.0	1	20.0	8.2	28.4	7.5	97.5	2.9	2.0	7.5	4.1	2.4								
							2	20.0	8.2	28.4	7.5	97.5	2.9	3.0											
					Middle	5.8	1	20.0	8.2	28.6	7.5	97.1	3.0	1.5											
							2	20.0	8.2	28.6	7.5	97.0	3.1	2.2											
					Bottom	10.6	1	20.1	8.2	28.8	7.4	96.6	6.2	2.4											
							2	20.1	8.2	28.8	7.4	96.7	6.3	3.1											
TCE-WQM3A	Cloudy	Calm	11:00	3.2	Surface	1.0	1	20.0	8.2	28.3	7.4	96.3	3.9	2.0	7.4	4.2	2.6								
							2	20.0	8.2	28.3	7.4	96.4	4.0	2.6											
					Bottom	2.2	1	20.0	8.2	28.4	7.5	97.5	4.4	2.9											
							2	20.0	8.2	28.4	7.5	97.9	4.5	2.8											
					TCE-WQM4	Cloudy	Calm	11:11	2.7	Middle	1.4	1	20.0	8.2				28.4	7.6	98.9	7.3	2.4	7.6	7.2	2.9
												2	20.0	8.2				28.4	7.6	99.0	7.1	3.3			

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
27-02-2019	Mid-Ebb	TCE-C1	Fine	Moderate	8:12	7.6	Surface	1.0	1	19.7	8.2	30.5	7.6	100.1	9.2	<0.5	7.6	11.3	0.3							
									2	19.7	8.2	30.6	7.6	99.8	9.3	<0.5										
							Middle	3.8	1	19.8	8.2	31.3	7.5	99.0	9.3	<0.5										
									2	19.8	8.2	31.3	7.5	98.9	9.4	<0.5										
							Bottom	6.6	1	19.8	8.2	31.4	7.5	98.2	15.3	<0.5										
									2	19.8	8.2	31.4	7.4	97.8	15.3	<0.5										
		TCE-C2	Fine	Moderate	6:16	15.6	Surface	1.0	1	19.7	8.1	30.4	7.0	91.7	8.1	<0.5	7.0	8.7	0.3							
									2	19.7	8.1	30.5	7.0	91.7	8.1	<0.5										
							Middle	7.8	1	19.7	8.1	30.7	7.0	91.5	8.5	<0.5										
									2	19.7	8.1	30.7	7.0	91.5	8.5	<0.5										
							Bottom	14.6	1	19.7	8.1	30.7	7.0	91.5	9.5	<0.5										
									2	19.7	8.1	30.7	7.0	91.5	9.5	<0.5										
		TCE-WQM1	Fine	Moderate	7:31	9.5	Surface	1.0	1	19.7	8.1	28.5	6.9	89.8	8.4	3.8	6.9	9.6	4.7							
									2	19.7	8.1	28.5	6.9	89.8	8.4	3.8										
							Middle	4.8	1	19.7	8.0	28.5	6.9	89.7	9.9	5.4										
									2	19.7	8.0	28.5	6.9	89.8	10.0	4.6										
							Bottom	8.5	1	19.7	8.0	28.5	7.0	89.8	10.5	5.4										
									2	19.7	8.0	28.5	7.0	89.9	10.6	5.0										
		TCE-WQM2a	Fine	Moderate	6:52	7.2	Surface	1.0	1	19.7	8.1	28.7	7.1	92.4	7.6	1.7	7.1	8.4	1.9							
									2	19.7	8.1	28.7	7.1	92.4	7.6	1.6										
							Middle	3.6	1	19.8	8.1	29.2	7.0	91.3	8.7	2.4										
									2	19.8	8.1	29.2	7.0	91.3	8.7	1.6										
							Bottom	6.2	1	19.8	8.1	29.4	7.0	91.3	8.8	1.6										
									2	19.8	8.1	29.4	7.0	91.4	8.8	2.2										
	TCE-WQM2b	Fine	Moderate	6:40	10.4	Surface	1.0	1	19.8	8.1	29.1	7.1	91.7	8.2	1.0	7.1	8.5	1.2								
								2	19.8	8.1	29.1	7.1	91.8	8.2	1.1											
						Middle	5.2	1	19.8	8.1	29.3	7.1	92.0	8.5	0.9											
								2	19.8	8.1	29.3	7.1	92.0	8.6	1.1											
						Bottom	9.4	1	19.8	8.0	29.3	7.1	92.3	8.7	1.3											
								2	19.8	8.0	29.3	7.1	92.4	8.8	1.5											
	TCE-WQM3A	Fine	Moderate	7:07	4.2	Surface	1.0	1	19.8	8.0	28.7	6.9	89.8	10.8	1.4	6.9	10.9	0.9								
								2	19.8	8.0	28.7	6.9	90.1	10.9	1.2											
						Bottom	3.2	1	19.8	8.0	28.7	7.0	90.5	11.0	0.7											
								2	19.8	8.0	28.7	7.0	90.7	11.1	<0.5											
						Surface	1.0	1	19.7	8.1	28.5	7.1	91.9	11.5	3.4				7.1	12.6	3.0					
								2	19.7	8.1	28.5	7.1	92.1	11.5	2.6											
	Bottom	2.6	1	19.7	8.1	28.5	7.2	92.8	13.7	3.4																
			2	19.6	8.1	28.5	7.2	92.9	13.7	2.7																
	Surface	1.0	1	19.7	8.2	30.8	7.6	99.7	8.2	0.9	7.6	8.9	0.9													
			2	19.8	8.2	30.9	7.6	99.5	8.2	1.2																
	Middle	3.9	1	19.8	8.2	31.4	7.5	99.4	9.1	0.7																
			2	19.8	8.2	31.4	7.6	99.6	9.1	1.3																
	Bottom	6.7	1	19.8	8.2	31.2	7.6	100.3	9.3	0.7																
			2	19.8	8.2	31.1	7.7	100.6	9.2	0.7																
	Mid-Flood	TCE-C1	Fine	Moderate	10:41	7.7	Surface	1.0	1	19.7	8.2	30.8	7.6	99.7	8.2	0.9	7.6	8.9	0.9							
									2	19.8	8.2	30.9	7.6	99.5	8.2	1.2										
							Middle	3.9	1	19.8	8.2	31.4	7.5	99.4	9.1	0.7										
									2	19.8	8.2	31.4	7.6	99.6	9.1	1.3										
Bottom							6.7	1	19.8	8.2	31.2	7.6	100.3	9.3	0.7											
								2	19.8	8.2	31.1	7.7	100.6	9.2	0.7											
TCE-C2							Fine	Moderate	12:38	14.7	Surface	1.0	1	19.8	8.0	30.5				7.3	96.2	9.1	1.0	7.2	9.1	1.0
													2	19.8	8.0	30.5				7.3	96.0	9.1	0.9			
											Middle	7.4	1	19.7	8.0	30.8				7.0	92.2	9.3	0.6			
													2	19.7	8.0	30.8				7.0	92.3	9.3	1.0			
											Bottom	13.7	1	19.7	8.0	30.8				7.1	93.0	9.0	0.8			
													2	19.7	8.0	30.7				7.1	93.2	9.0	1.5			
TCE-WQM1		Fine	Moderate	11:21	8.5	Surface	1.0	1	19.9	8.0	28.4	7.3	94.3	9.8	1.1	7.2	9.7	1.8								
								2	19.9	8.0	28.4	7.2	94.0	9.7	1.4											
						Middle	4.3	1	19.7	8.0	29.2	7.1	91.8	9.6	1.7											
								2	19.7	8.0	29.3	7.1	91.8	9.6	2.2											
						Bottom	7.5	1	19.7	8.0	29.5	7.1	92.0	9.7	2.1											
								2	19.7	8.0	29.5	7.1	92.3	9.7	2.4											
TCE-WQM2a		Fine	Moderate	11:58	6.8	Surface	1.0	1	20.1	8.1	29.0	7.4	96.0	11.0	2.3	7.3	11.6	1.9								
								2	20.1	8.1	29.0	7.4	96.0	11.0	1.9											
						Middle	3.4	1	20.0	8.1	29.1	7.3	94.9	11.8	2.1											
								2	20.0	8.0	29.2	7.3	94.8	11.8	1.8											
						Bottom	5.8	1	20.0	8.0	29.2	7.3	95.0	11.9	1.3											
								2	20.0	8.0	29.2	7.3	95.1	11.8	1.9											
TCE-WQM2b	Fine	Moderate	12:08	11.3	Surface	1.0	1	20.0	8.1	29.1	7.4	97.0	8.5	1.7	7.4	9.9	1.3									
							2	20.0	8.1	29.1	7.4	96.9	8.5	2.0												
					Middle	5.7	1	20.0	8.1	29.2	7.4	96.5	8.7	0.6												
							2	20.0	8.1	29.2	7.4	96.5	8.7	0.8												
					Bottom	10.3	1	20.0	8.1	29.2	7.4	96.3	12.5	1.2												
							2	20.0	8.1	29.2	7.4	96.3	12.5	1.7												
TCE-WQM3A	Fine	Moderate	11:46	4.2	Surface	1.0	1	20.0	8.1	28.8	7.2	93.4	9.8	2.3	7.2	9.9	2.2									
							2	20.0	8.1	28.8	7.2	93.4	9.6	2.2												
					Bottom	3.2	1	20.0	8.1	28.8	7.2	93.5	9.6	2.1												
							2	20.0	8.1	28.8	7.2	93.6	10.8	2.3												
					Surface	1.0	1	19.9	8.1	28.5	7.4	96.2	10.5	3.4				7.4	10.6	3.8						
							2	19.9	8.1	28.5	7.4	96.2	10.5	4.1												
Bottom	2.3	1	19.9	8.1	28.5	7.4	96.1	10.6	3.9																	
		2	19.9	8.1	28.5	7.4	96.0	10.6	3.8																	