

Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 September 2018

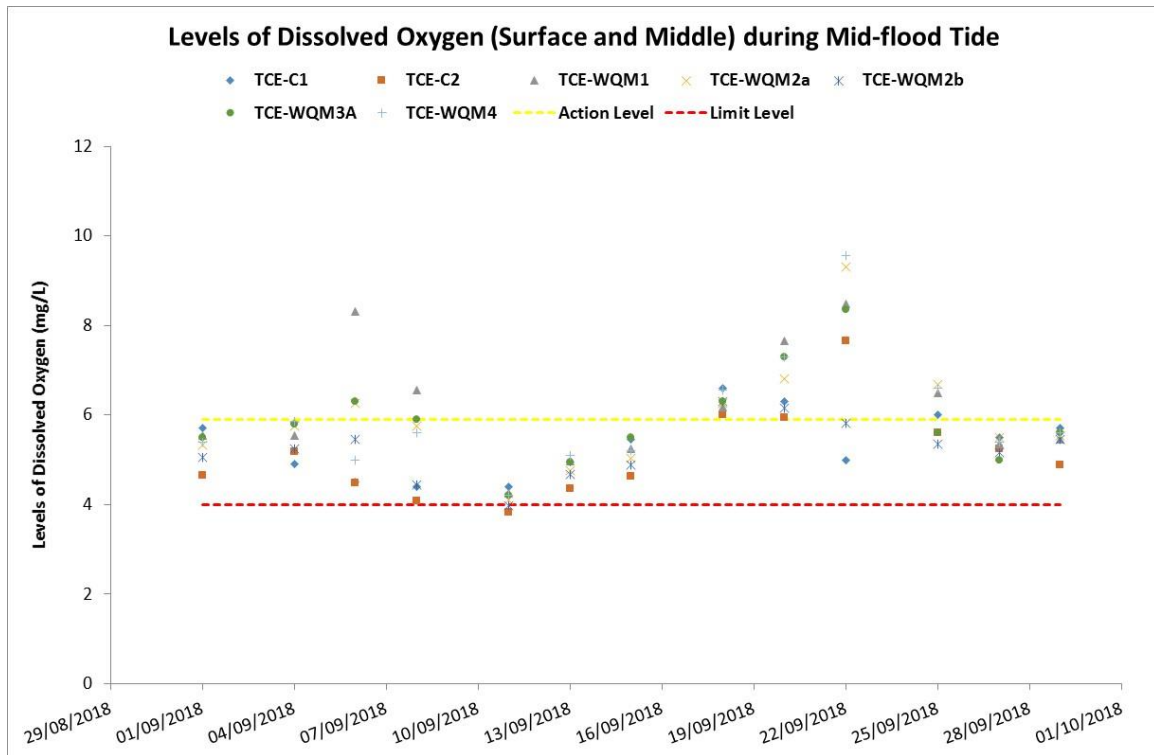


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 September 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung\JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 2018

Environmental Resources Management



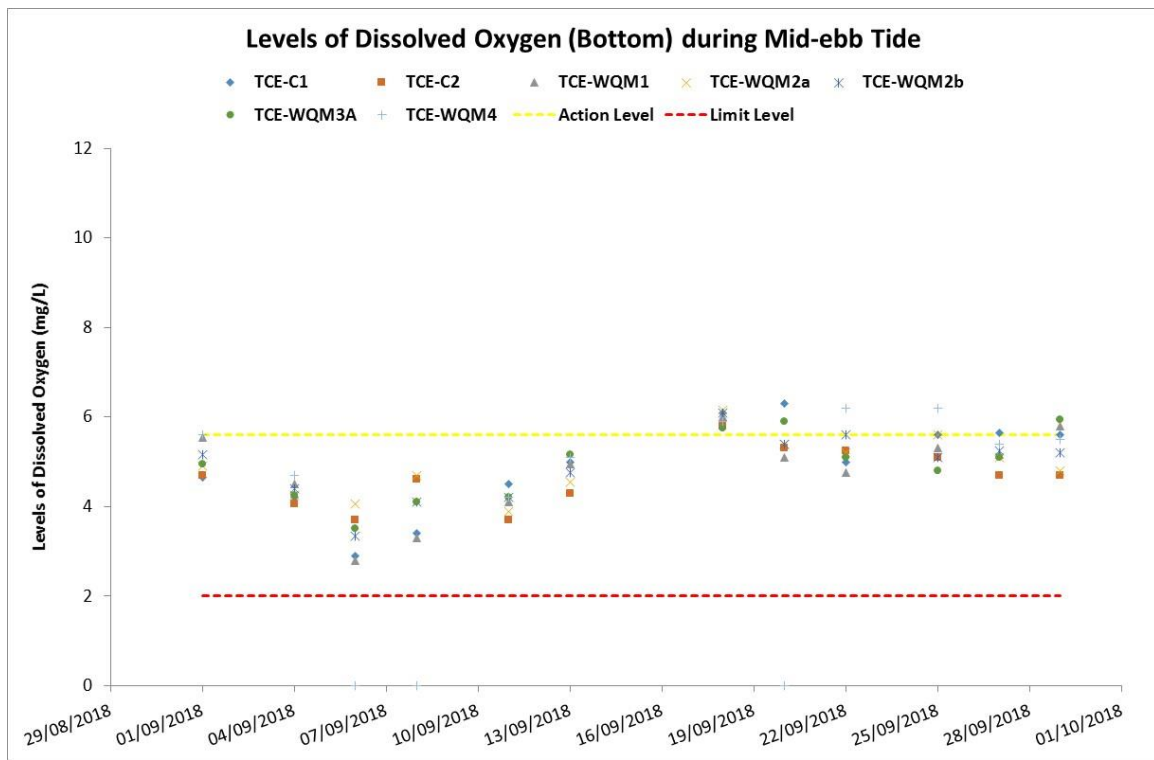


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 September 2018

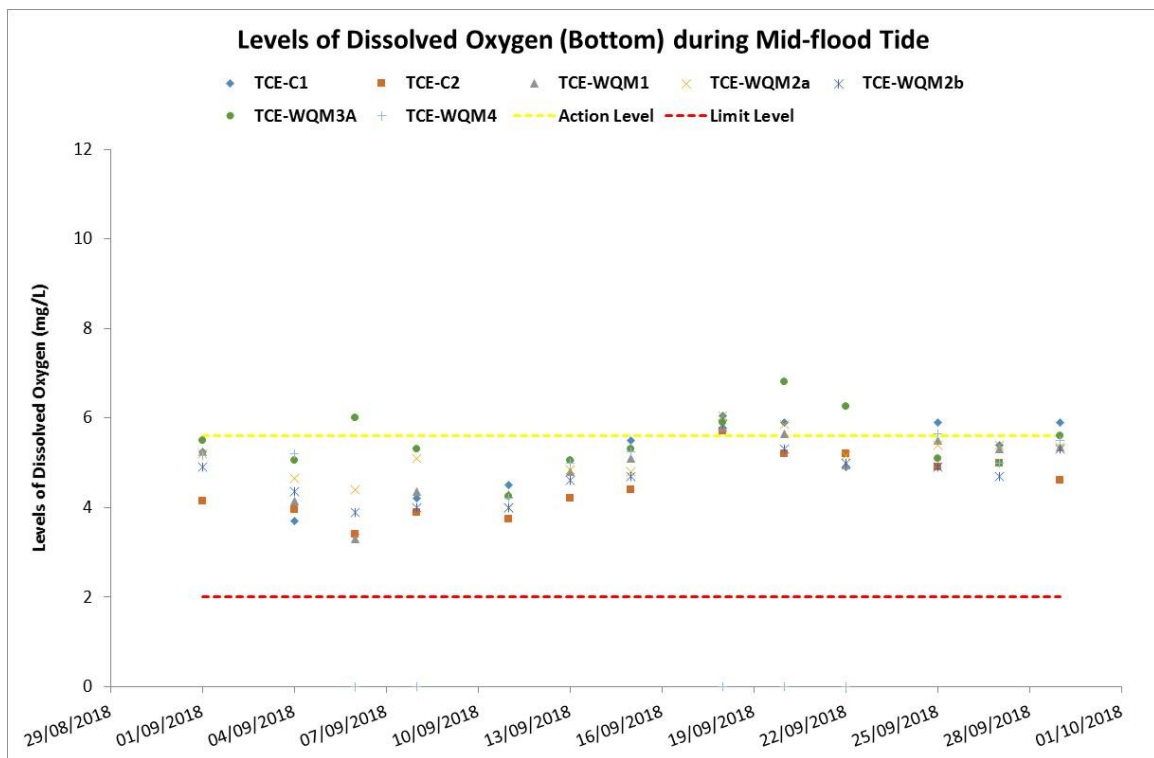


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 September 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 2018

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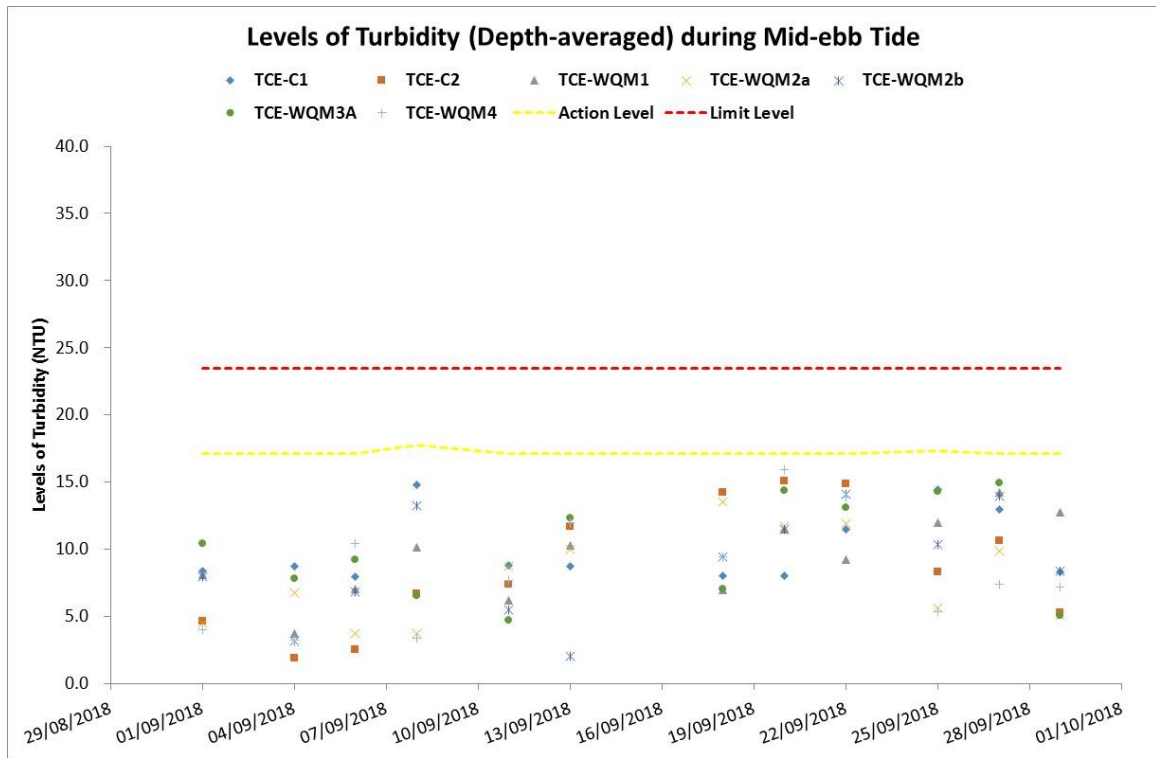


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 September 2018

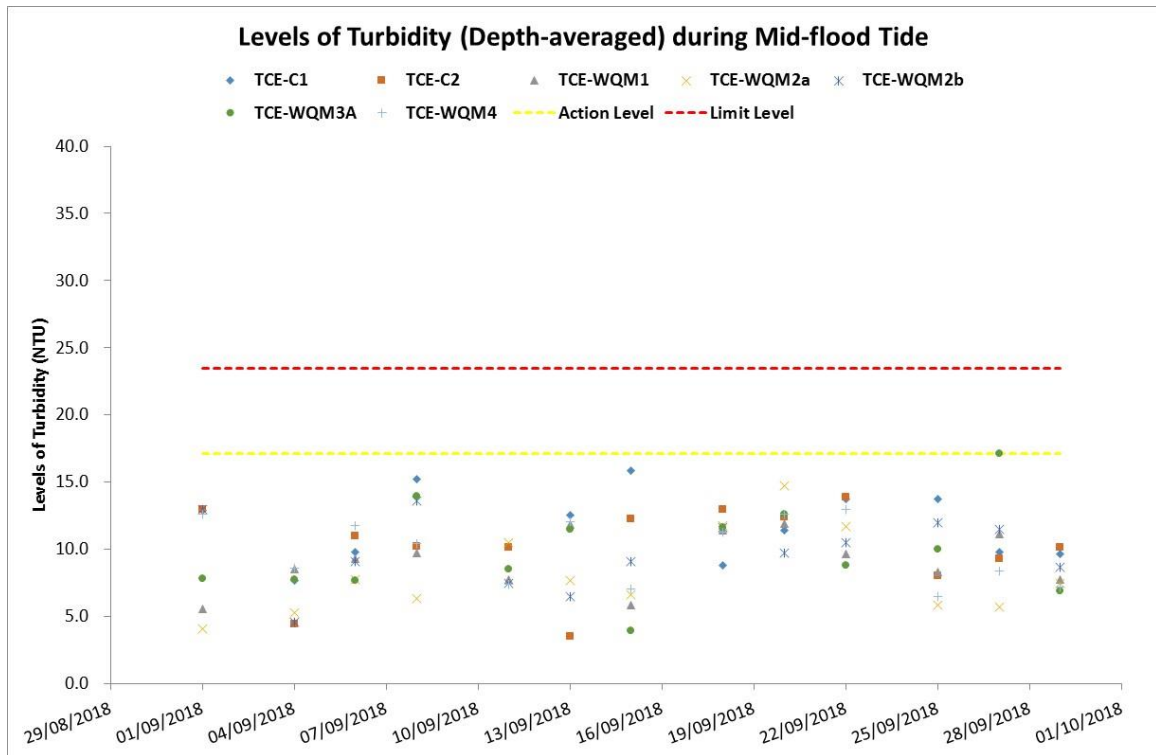


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 September 2018

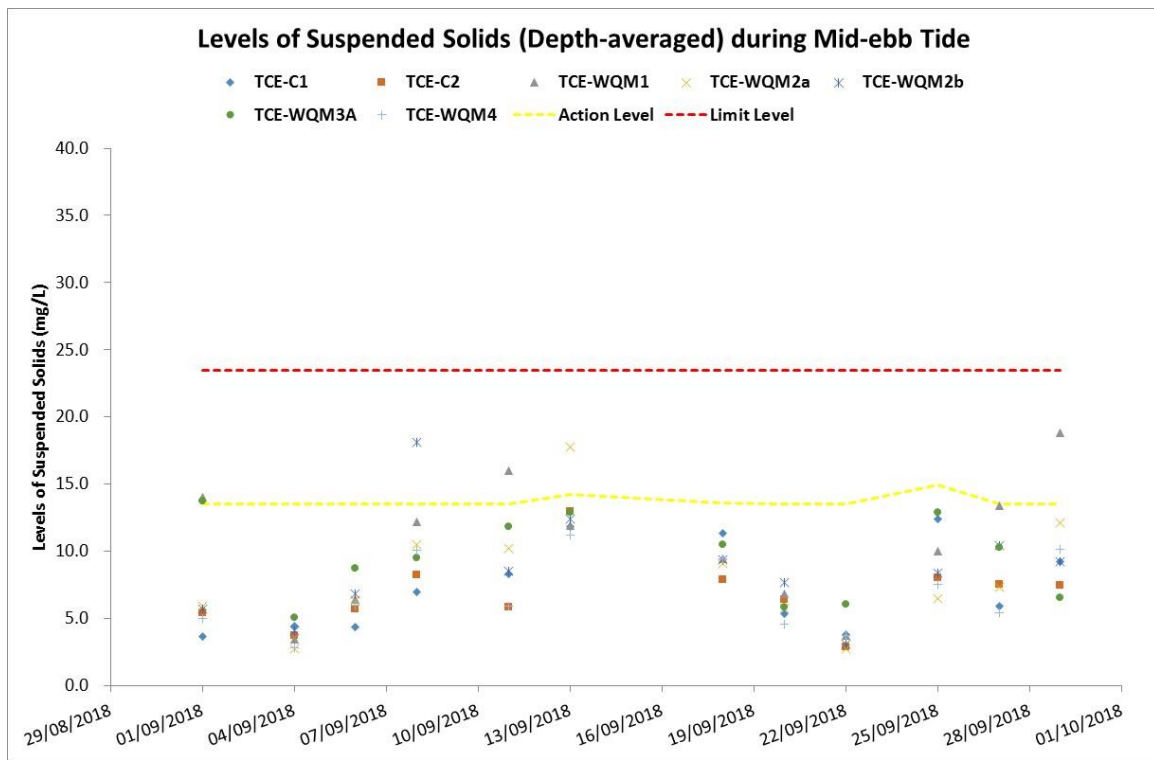


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 September 2018

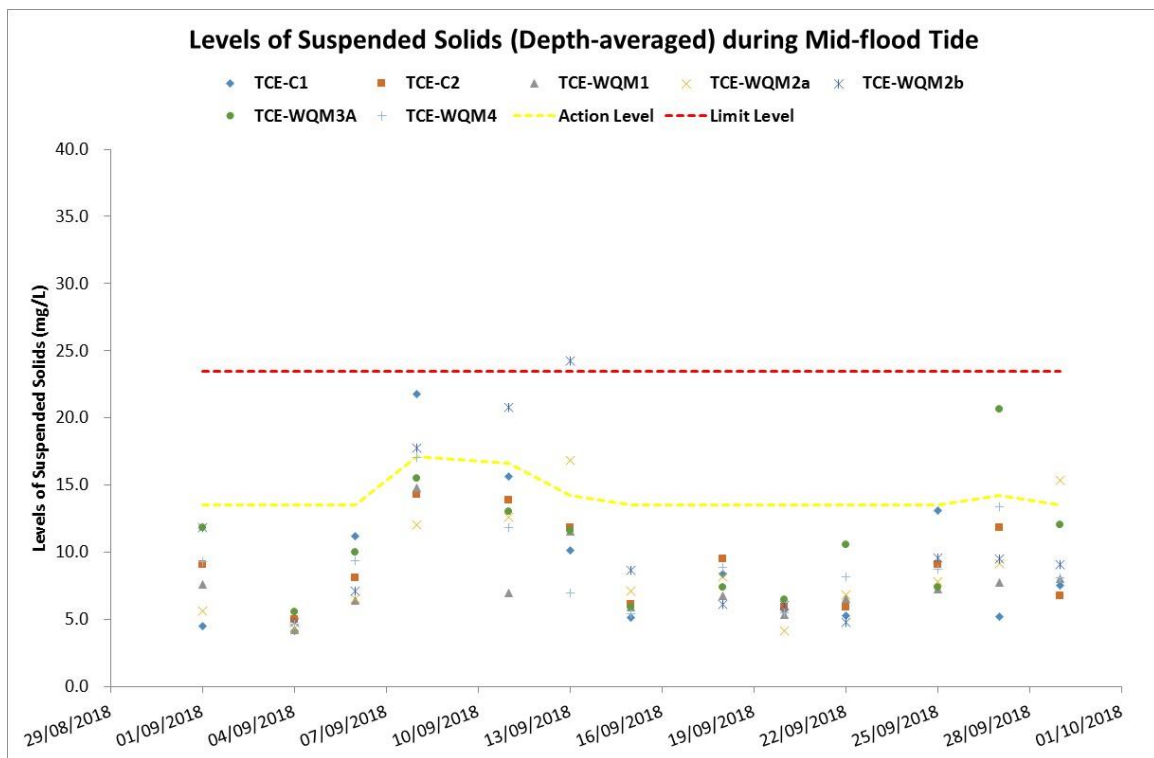


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 September 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 2018

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Water Quality Monitoring for Tung Chung New Town Extension (East)

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)
01-09-2018	Mid-Ebb	TCE-C1	Rainy	Moderate	15:51	8.6	Surface	1	1	27.9	7.9	16.0	5.9	84.2	4.9	3.0	5.4	8.4	3.7
								2	27.9	7.9	16.0	5.8	83.6	5.0	3.3				
							Middle	4.3	1	27.3	7.9	23.4	4.8	68.9	8.3	2.7			
								2	27.3	7.9	23.5	4.9	69.7	7.7	4.6				
							Bottom	7.6	1	26.6	7.9	27.5	4.6	67.2	12.4	4.0			
								2	26.6	7.9	27.5	4.7	68.5	12.1	4.5				
		TCE-C2	Rainy	Moderate	16:00	12.3	Surface	1	1	27.8	8.0	17.6	5.6	78.9	4.7	5.1	5.3	4.6	5.4
								2	27.8	8.0	17.8	5.6	78.8	4.3	4.9				
							Middle	6.15	1	27.6	8.0	22.1	5.1	73.0	5.0	6.1			
								2	27.6	8.0	22.3	5.0	72.0	4.1	6.5				
							Bottom	11.3	1	26.9	8.0	24.3	4.7	67.8	5.0	4.6			
								2	27.0	8.0	24.6	4.7	67.6	4.7	5.4				
		TCE-WQM1	Rainy	Moderate	14:44	8.6	Surface	1	1	27.7	8.0	19.5	5.6	79.2	6.7	12.0	5.6	8.1	14.0
								2	27.8	8.0	19.7	5.6	79.2	6.4	11.8				
							Middle	4.3	1	27.7	8.0	19.6	5.6	78.8	8.4	14.3			
								2	27.8	8.0	19.8	5.5	78.7	8.1	13.4				
							Bottom	7.6	1	27.7	8.0	19.6	5.6	78.9	9.6	15.3			
								2	27.8	8.0	19.9	5.5	78.7	9.4	17.3				
		TCE-WQM2a	Rainy	Moderate	15:22	7.6	Surface	1	1	27.8	8.0	17.8	5.7	79.7	3.4	7.3	5.5	4.5	5.9
								2	27.8	8.0	17.9	5.7	80.1	4.4	6.1				
							Middle	3.8	1	27.8	8.0	19.7	5.2	73.4	4.0	5.7			
								2	27.8	8.0	20.0	5.2	73.7	4.4	6.4				
							Bottom	6.6	1	27.4	7.9	23.0	4.9	70.2	5.5	6.0			
								2	27.4	8.0	23.2	4.9	69.9	5.5	4.0				
	TCE-WQM2b	Rainy	Moderate	15:36	10.2	Surface	1	1	28.1	7.9	13.0	5.3	73.4	2.7	2.5	5.2	8.0	5.7	
							2	28.1	7.9	13.3	5.3	73.3	3.6	2.0					
						Middle	5.1	1	28.0	7.9	17.1	5.1	71.6	8.7	6.4				
							2	28.0	7.9	17.3	5.1	71.4	9.7	6.1					
						Bottom	9.2	1	28.0	7.9	17.1	5.2	72.3	10.8	8.5				
							2	28.0	7.9	17.3	5.1	72.0	12.2	8.8					
	TCE-WQM3A	Rainy	Moderate	15:10	4.2	Surface	1	1	27.8	7.9	18.6	4.9	69.6	9.9	14.8	4.9	10.5	13.7	
							2	27.9	8.0	18.8	4.9	69.3	9.1	12.7					
						Bottom	3.2	1	27.8	7.9	19.9	5.0	70.4	11.5	13.0				
							2	27.8	8.0	20.1	4.9	70.0	11.3	14.4					
							1	27.9	7.9	18.6	5.5	78.3	3.7	5.8					
							2	27.9	8.0	18.9	5.5	78.1	3.3	5.4					
	TCE-WQM4	Rainy	Moderate	15:00	3.8	Surface	1	1	27.8	7.9	18.9	5.6	78.8	4.5	4.1	5.5	4.1	5.0	
							2	27.9	8.0	19.2	5.6	78.8	4.7	4.6					
						Bottom	2.8	1	27.8	7.9	18.9	5.6	78.8	4.5	4.1				
							2	27.9	8.0	19.2	5.6	78.8	4.7	4.6					
							1	28.0	7.8	15.7	5.9	82.0	6.3	3.9					
							2	28.0	7.8	15.7	5.9	82.0	6.3	4.6					
	Mid-Flood	TCE-C1	Rainy	Moderate	11:13	9.2	Surface	1	1	27.7	7.9	19.4	5.5	77.5	14.9	4.9	5.7	12.9	4.5
								2	27.7	7.9	19.4	5.5	77.5	15.0	2.6				
							Middle	4.6	1	27.7	7.9	24.2	5.3	75.8	17.6	4.8			
								2	27.3	7.9	24.2	5.2	75.6	17.3	6.4				
							Bottom	8.2	1	27.3	7.9	24.2	5.2	75.6	17.3	6.4			
								2	27.3	7.9	24.2	5.2	75.6	17.3	6.4				
		TCE-C2	Rainy	Moderate	10:10	13	Surface	1	1	27.6	8.0	21.0	5.0	71.5	6.2	8.1	4.7	13.0	9.1
								2	27.6	8.0	20.7	5.0	71.3	6.3	6.6				
							Middle	6.5	1	26.4	8.0	26.9	4.3	61.6	6.6	7.7			
								2	26.4	8.0	26.5	4.3	61.7	7.0	9.1				
							Bottom	12	1	26.2	7.9	28.4	4.1	59.8	25.2	12.8			
								2	26.1	7.9	28.1	4.2	60.4	26.4	10.1				
		TCE-WQM1	Rainy	Moderate	12:01	9.8	Surface	1	1	27.8	8.0	18.6	5.8	82.3	3.3	7.2	5.6	5.6	7.6
								2	27.7	8.0	18.4	5.8	82.2	2.2	7.6				
							Middle	4.9	1	27.8	8.0	20.4	5.3	75.9	4.9	6.4			
								2	27.7	7.9	20.1	5.3	76.0	4.3	6.7				
							Bottom	8.8	1	27.8	8.0	21.1	5.2	74.9	9.5	9.4			
								2	27.7	7.9	20.9	5.3	75.0	9.3	8.5				
		TCE-WQM2a	Rainy	Moderate	10:59	7	Surface	1	1	27.9	8.0	18.0	5.6	78.3	4.8	4.2	5.3	4.1	5.6
								2	27.9	8.0	17.8	5.3	75.1	2.8	4.7				
							Middle	3.5	1	27.7	8.0	20.5	5.2	74.0	4.0	4.5			
								2	27.7	8.0	20.2	5.2	74.2	4.1	5.9				
							Bottom	6	1	27.7	8.0	20.9	5.2	74.1	4.2	7.2			
								2	27.7	8.0	20.6	5.2	74.2	4.5	7.3				
	TCE-WQM2b	Rainy	Moderate	10:41	9.2	Surface	1	1	27.8	8.0	20.2	5.1	72.8	9.3	6.2	5.1	13.0	11.9	
							2	27.7	8.0	19.9	5.1	72.8	7.7	4.9					
						Middle	4.6	1	27.7	8.0	20.7	5.0	71.7	14.3	10.7				
							2	27.7	8.0	20.5	5.0	71.7	13.8	9.0					
						Bottom	8.2	1	27.6	8.0	21.9	4.9	70.5	16.5	18.5				
							2	27.6	8.0	21.6	4.9	70.6	16.4	21.8					
	TCE-WQM3A	Rainy	Moderate	11:36	4.3	Surface	1	1	28.0	8.0	17.6	5.5	77.5	7.4	10.3	5.5	7.8	11.9	
							2	27.9	7.9	17.4	5.5	77.6	7.3	10.2					
						Bottom	3.3	1	27.9	8.0	17.8	5.5	77.6	8.4	12.9				
							2	27.9	7.9	17.5	5.5	77.9	8.2	14.0					
							1	27.9	8.0	18.0	5.5	77.0	5.6	7.0					
							2	27.9	7.9	17.8	5.3	74.8	5.2	7.1					
	TCE-WQM4	Rainy	Moderate	11:48	4.8	Surface	1	1	27.8	8.0	20.5	5.1	73.1	20.0	11.3	5.4	12.7	9.3	
							2	27.8	8.0	20.5	5.1	73.1	20.0	11.3					
						Bottom	3.8	1	27.8	8.0	20.5	5.1	73.1	20.0	11.3				
							2	27.8	7.9	20.2	5.2	73.9	19.8	11.8					
							1	27.9	8.0	18.0	5.5	77.0	5.6	7.0					
							2	27.9	7.9	17.8	5.3	74.8	5.2	7.1					

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)		
04-09-2018	Mid-Ebb	TCE-C1	Fine	Moderate	6:53	8.4	Surface	1.0	1	28.8	7.6	7.7	5.4	73.3	5.1	3.9	5.4	8.7	4.5		
									2	28.8	7.6	7.7	5.4	73.1	5.0	4.0					
							Middle	4.2	1	28.4	7.7	9.8	5.3	72.4	8.7	4.4					
									2	28.4	7.7	9.8	5.4	72.9	8.3	4.4					
							Bottom	7.4	1	26.8	7.8	25.3	4.2	60.5	12.5	5.4					
									2	26.7	7.8	25.3	4.2	60.2	12.7	4.7					
		TCE-C2	Sunny	Moderate	6:46	12.3	Surface	1.0	1	28.2	7.8	12.8	5.0	69.1	1.6	2.9	4.9	1.9	3.7		
									2	28.2	7.9	13.0	5.0	69.2	2.5	3.3					
							Middle	6.2	1	28.1	7.8	16.2	4.7	66.2	1.1	3.9					
									2	28.1	7.9	16.4	4.7	66.1	1.7	3.7					
							Bottom	11.3	1	25.5	7.9	28.2	4.1	58.8	1.7	4.3					
									2	25.6	8.0	28.3	4.0	57.9	2.6	4.2					
		TCE-WQM1	Sunny	Calm	8:07	8.2	Surface	1.0	1	28.2	7.9	13.8	5.2	72.2	2.7	3.1	5.1	3.7	3.5		
									2	28.2	7.9	14.7	5.2	72.3	2.6	3.3					
							Middle	4.1	1	28.0	7.9	15.7	5.0	68.0	4.0	3.5					
									2	28.0	7.9	15.6	4.9	68.4	3.7	3.4					
							Bottom	7.2	1	27.8	7.9	16.1	4.5	62.3	4.8	3.9					
									2	27.8	8.0	17.1	4.5	63.1	4.5	3.5					
		TCE-WQM2a	Sunny	Calm	7:31	6.8	Surface	1.0	1	28.1	7.8	14.0	5.0	69.0	3.9	2.6	4.8	6.8	2.7		
									2	28.1	7.9	14.1	5.0	69.4	4.5	3.0					
							Middle	3.4	1	28.1	7.8	15.4	4.6	64.0	6.6	2.7					
									2	28.2	7.9	16.6	4.6	63.9	6.7	2.6					
							Bottom	5.8	1	28.1	7.9	17.4	4.3	60.2	9.1	2.8					
									2	28.1	7.9	18.8	4.2	59.1	9.8	2.7					
	TCE-WQM2b	Sunny	Moderate	7:16	10.6	Surface	1.0	1	28.2	7.8	9.8	5.4	72.7	2.9	3.3	5.0	3.2	4.1			
								2	28.2	7.8	10.4	5.4	73.0	3.4	2.9						
						Middle	5.3	1	28.3	7.8	12.8	4.6	62.8	2.7	4.4						
								2	28.3	7.9	13.1	4.6	63.2	3.0	4.1						
						Bottom	9.6	1	28.2	7.9	13.9	4.4	60.6	3.5	4.9						
								2	28.2	7.9	13.9	4.4	60.9	3.6	4.8						
	TCE-WQM3A	Sunny	Calm	7:43	4.1	Surface	1.0	1	28.1	7.8	12.8	4.5	62.2	5.1	4.0	4.6	7.8	5.1			
								2	28.1	7.8	12.7	4.7	65.2	5.2	4.2						
						Bottom	3.1	1	28.0	7.8	16.5	4.3	60.2	10.5	6.2						
								2	28.0	7.8	16.8	4.2	59.4	10.4	6.0						
						Surface	1.0	1	28.2	7.9	14.4	5.2	73.0	2.0	3.2				5.2	3.2	2.9
								2	28.3	7.9	14.8	5.2	72.9	1.8	2.6						
	Bottom	2.7	1	28.3	7.8	16.0	4.7	65.6	4.3	2.7											
			2	28.3	7.9	16.5	4.7	65.7	4.8	2.9											
	Surface	1.0	1	29.3	7.6	7.5	5.1	69.0	5.8	4.3	4.9	7.7	4.2								
			2	29.3	7.6	7.6	5.1	69.1	5.9	4.5											
	Middle	4.0	1	28.2	7.7	12.0	4.7	64.6	6.2	3.9											
			2	28.2	7.7	12.0	4.7	64.7	5.9	4.0											
	Bottom	7.0	1	26.6	7.8	25.7	3.7	53.4	11.1	3.8											
			2	26.6	7.8	25.8	3.7	53.3	11.3	4.4											
	TCE-C2	Sunny	Moderate	14:30	11.7	Surface	1.0	1	28.7	8.0	14.6	5.6	78.1	2.3	2.8	5.2	4.4	5.0			
								2	28.7	7.9	14.4	5.5	77.5	3.4	3.3						
						Middle	5.9	1	28.4	8.0	17.4	4.8	68.5	3.4	4.8						
								2	28.3	7.9	17.3	4.8	67.7	5.0	4.6						
						Bottom	10.7	1	26.7	8.0	23.4	3.9	56.0	6.1	7.3						
								2	26.7	7.9	23.2	4.0	56.1	6.3	7.0						
	TCE-WQM1	Sunny	Calm	13:14	9.0	Surface	1.0	1	28.9	8.1	15.0	6.1	85.9	2.4	3.6	5.6	8.5	4.3			
								2	28.9	8.0	14.8	6.1	85.5	3.3	4.0						
						Middle	4.5	1	28.6	8.0	16.4	5.0	70.3	8.8	4.0						
								2	28.5	7.9	16.2	5.0	69.8	10.0	4.3						
						Bottom	8.0	1	27.8	8.0	22.0	4.1	59.0	13.4	5.0						
								2	27.8	7.9	21.8	4.2	60.5	13.3	4.6						
	TCE-WQM2a	Sunny	Calm	13:51	6.4	Surface	1.0	1	29.1	8.0	11.7	5.8	80.9	2.7	3.6	5.8	5.3	4.4			
								2	29.0	7.9	11.6	5.8	80.9	3.8	3.7						
						Middle	3.2	1	28.5	7.9	14.0	5.7	79.9	4.7	4.6						
								2	28.5	7.9	13.9	5.7	78.8	4.6	4.5						
						Bottom	5.4	1	27.9	7.9	17.6	4.6	65.3	7.9	4.9						
								2	27.9	7.9	17.5	4.7	65.4	7.9	5.1						
	TCE-WQM2b	Sunny	Moderate	14:04	10.8	Surface	1.0	1	29.0	7.9	12.0	5.4	75.6	3.1	3.7	5.3	4.6	4.8			
								2	29.0	7.9	11.9	5.4	75.3	4.1	3.4						
						Middle	5.4	1	28.1	7.9	13.4	5.1	70.4	4.0	4.9						
								2	28.0	7.9	13.3	5.1	69.9	4.5	5.4						
						Bottom	9.8	1	27.5	7.9	17.6	4.3	60.1	5.9	5.7						
								2	27.5	7.9	17.5	4.4	61.2	5.9	5.6						
	TCE-WQM3A	Sunny	Calm	13:40	3.7	Surface	1.0	1	29.5	7.9	10.3	5.8	80.8	5.0	4.2	5.8	7.8	5.6			
								2	29.5	7.9	10.1	5.8	80.6	5.8	4.4						
						Bottom	2.7	1	29.1	7.9	14.2	5.0	71.1	10.4	6.6						
								2	29.1	7.9	14.0	5.1	72.2	9.9	7.0						
						Surface	1.0	1	28.9	8.0	13.4	5.9	81.8	7.0	4.1				5.9	11.1	4.7
								2	28.9	7.9	13.4	5.8	80.9	7.5	4.6						
	Bottom	2.3	1	28.5	8.0	16.2	5.2	73.4	10.0	4.8											
			2	28.5	7.9	20.2	5.2	73.9	19.8	5.1											

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)							
06-09-2018	Mid-Ebb	TCE-C1	Fine	Moderate	10:07	8.4	Surface	1	1	28.7	7.9	16.9	4.2	59.8	4.0	3.6	3.7	8.0	4.4							
								2	2	28.7	7.9	17.0	4.3	60.3	3.9	4.4										
							Middle	4.2	1	26.6	7.9	25.5	3.2	45.9	6.7	4.1										
								2	2	26.6	7.9	25.5	3.2	46.0	6.6	4.4										
							Bottom	7.4	1	26.1	7.9	27.8	2.9	41.8	13.3	4.9										
								2	2	26.1	7.9	27.8	2.9	41.8	13.4	5.0										
		TCE-C2	Fine	Moderate	9:49	13.6	Surface	1	1	28.5	8.0	16.6	5.9	83.2	2.9	3.7	5.4	2.5	5.7							
								2	2	28.6	8.0	16.6	5.9	83.6	2.9	4.2										
							Middle	6.8	1	27.5	7.9	21.0	4.8	68.7	2.0	5.7										
								2	2	27.5	8.0	21.0	4.8	68.8	2.0	6.3										
							Bottom	12.6	1	25.3	7.9	29.4	3.7	52.7	2.5	7.1										
								2	2	25.3	8.0	29.4	3.7	52.4	2.8	7.3										
		TCE-WQM1	Fine	Moderate	11:05	7.8	Surface	1	1	29.1	8.1	15.3	5.8	82.1	3.3	5.8	4.7	7.1	6.4							
								2	2	29.1	8.1	16.5	5.8	83.1	3.3	5.5										
							Middle	3.9	1	27.3	7.9	23.7	3.5	50.8	5.3	6.5										
								2	2	27.3	8.0	23.3	3.5	50.6	5.2	6.5										
							Bottom	6.8	1	26.4	7.9	28.0	2.8	40.6	12.6	7.3										
								2	2	26.4	8.0	28.0	2.8	39.9	12.6	6.8										
		TCE-WQM2a	Fine	Moderate	10:29	7	Surface	1	1	28.2	8.0	21.6	5.2	74.5	3.1	5.4	4.6	3.7	6.4							
								2	2	28.2	8.0	22.0	5.2	74.8	3.3	5.6										
							Middle	3.5	1	26.7	8.0	23.3	4.0	57.3	4.5	5.7										
								2	2	26.8	8.0	23.3	4.0	56.9	4.2	6.1										
							Bottom	6	1	26.2	8.0	26.4	4.1	58.7	3.4	7.5										
								2	2	26.4	8.0	26.6	4.0	58.0	3.8	7.9										
	TCE-WQM2b	Fine	Moderate	10:17	8.9	Surface	1	1	28.5	8.0	16.7	5.1	71.4	3.1	6.3	4.4	6.8	6.8								
							2	2	28.5	8.1	16.6	5.0	70.9	3.4	5.7											
						Middle	4.45	1	27.3	7.9	21.2	3.8	54.6	4.6	6.4											
							2	2	27.3	7.9	21.2	3.8	54.2	4.3	6.1											
						Bottom	7.9	1	26.5	7.9	25.1	3.4	48.2	12.7	8.4											
							2	2	26.5	7.9	25.1	3.3	47.3	12.9	7.9											
	TCE-WQM3A	Fine	Moderate	10:43	3.8	Surface	1	1	28.3	7.9	18.4	4.4	62.8	8.9	7.4	4.4	9.2	8.8								
							2	2	28.3	7.9	18.2	4.4	63.1	9.1	7.8											
						Bottom	2.8	1	27.2	7.9	22.2	3.5	50.5	9.3	9.5											
							2	2	27.3	7.9	22.1	3.5	50.0	9.6	10.3											
						Middle	1.45	1	27.8	7.8	20.8	4.0	57.5	10.4	6.2											
							2	2	27.9	7.9	20.8	4.0	57.6	10.4	5.8											
	TCE-WQM4	Fine	Moderate	10:53	2.9	Surface	1	1	28.5	8.0	17.2	4.9	69.1	8.4	9.8	4.0	10.4	6.0								
							2	2	28.5	8.0	17.2	4.9	69.1	8.4	10.3											
						Middle	3.65	1	27.6	7.9	20.4	4.1	58.1	8.4	11.1											
							2	2	27.6	7.9	20.4	4.1	58.2	8.3	11.6											
						Bottom	6.3	1	26.8	7.9	24.3	3.4	49.3	12.6	12.3											
							2	2	26.8	7.9	24.3	3.4	49.3	12.5	12.0											
	Mid-Flood	TCE-C1	Fine	Moderate	16:47	7.3	Surface	1	1	28.5	8.0	17.2	4.9	69.1	8.4	9.8	4.5	9.8	11.2							
								2	2	28.5	8.0	17.2	4.9	69.1	8.4	10.3										
							Middle	3.65	1	27.6	7.9	20.4	4.1	58.1	8.4	11.1										
								2	2	27.6	7.9	20.4	4.1	58.2	8.3	11.6										
							Bottom	6.3	1	26.8	7.9	24.3	3.4	49.3	12.6	12.3										
								2	2	26.8	7.9	24.3	3.4	49.3	12.5	12.0										
TCE-C2							Fine	Moderate	16:56	13.8	Surface	1	1	27.4	8.1	22.8				5.3	76.2	4.1	6.8	4.5	11.0	8.1
												2	2	27.4	8.0	22.5				5.4	75.9	4.0	7.0			
											Middle	6.9	1	25.5	8.0	28.5				3.6	51.9	9.4	7.0			
												2	2	25.5	8.0	28.6				3.6	52.0	9.2	7.4			
											Bottom	12.8	1	24.6	8.1	31.5				3.4	48.5	19.8	10.1			
												2	2	24.5	8.0	31.5				3.4	48.8	19.6	10.4			
TCE-WQM1		Fine	Moderate	15:42	7.9	Surface	1	1	30.7	8.6	15.4	10.5	152.3	3.7	5.9	8.3	9.3	6.4								
							2	2	30.7	8.5	14.1	10.5	151.7	3.6	5.7											
						Middle	3.95	1	28.6	8.2	19.0	6.1	88.0	7.1	6.0											
							2	2	28.6	8.1	19.0	6.1	87.7	7.0	5.6											
						Bottom	6.9	1	27.0	8.0	25.4	3.3	47.6	17.5	7.5											
							2	2	27.0	7.9	25.1	3.3	48.0	17.1	7.7											
TCE-WQM2a		Fine	Moderate	16:17	6.9	Surface	1	1	29.5	8.4	17.4	7.7	111.2	3.8	4.6	6.3	7.8	6.6								
							2	2	29.5	8.3	16.1	7.7	108.0	3.7	4.9											
						Middle	3.45	1	27.6	8.0	21.4	4.8	68.2	7.7	7.0											
							2	2	27.5	8.0	21.4	4.8	68.3	7.7	6.9											
						Bottom	5.9	1	27.3	8.0	22.7	4.4	63.5	11.9	7.9											
							2	2	27.2	7.9	22.7	4.4	63.4	11.7	8.2											
TCE-WQM2b	Fine	Moderate	16:28	7.7	Surface	1	1	28.5	8.2	19.6	6.4	91.5	2.9	5.0	5.5	9.1	7.1									
						2	2	28.5	8.1	19.4	6.4	91.6	2.9	5.3												
					Middle	3.85	1	27.3	8.0	22.1	4.5	64.0	5.3	6.6												
						2	2	27.2	7.9	22.1	4.5	64.0	5.2	7.1												
					Bottom	6.7	1	26.5	8.0	25.1	3.9	55.1	19.3	9.4												
						2	2	26.5	7.9	25.2	3.9	55.7	19.1	9.1												
TCE-WQM3A	Fine	Moderate	16:06	3.2	Surface	1	1	28.5	8.2	19.5	6.3	90.7	7.5	8.6	6.3	7.7	10.0									
						2	2	28.4	8.1	19.5	6.3	90.7	7.4	8.8												
					Bottom	2.2	1	28.4	8.1	19.6	6.0	86.1	8.1	11.1												
TCE-WQM4	Fine	Moderate	15:56	2.7	Surface	1	1	28.3	8.0	19.7	6.0	85.6	7.8	11.5	6.0	11.8	9.4									
						2	2	28.3	8.0	19.7	6.0	85.6	7.8	11.5												
					Middle	1.35	1	28.0	8.0	21.3	5.0	71.7	11.8	9.6												
	2	2	27.9	8.0	21.4	5.0	72.3	11.7	9.1																	

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
08-09-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:05	8.0	Surface	1	1	27.5	8.0	22.0	5.0	71.9	4.0	5.9	4.1	14.8	7.0
								2	27.5	8.0	22.0	5.0	72.0	4.0	6.2				
							Middle	4	1	25.8	7.9	28.4	3.1	44.4	15.5	5.8			
								2	25.8	7.9	28.4	3.1	44.4	15.4	6.4				
							Bottom	7	1	25.6	7.9	29.1	3.4	49.6	24.9	8.8			
								2	25.6	7.9	29.1	3.4	49.3	24.9	8.8				
		TCE-C2	Cloudy	Moderate	11:21	11.8	Surface	1	1	28.0	8.1	21.6	5.4	78.2	10.4	6.8	5.2	6.7	8.3
								2	28.0	8.1	21.6	5.4	78.2	10.8	6.7				
							Middle	5.9	1	27.3	8.1	23.4	4.9	70.2	7.0	8.7			
								2	27.3	8.1	23.4	4.9	69.9	7.6	9.2				
							Bottom	10.8	1	26.9	8.0	24.4	4.6	65.8	2.5	8.9			
								2	26.9	8.0	24.4	4.6	65.8	2.0	9.3				
		TCE-WQM1	Cloudy	Calm	12:52	8.3	Surface	1	1	28.8	8.2	21.1	6.1	88.5	6.2	10.6	4.9	10.2	12.2
								2	28.8	8.1	21.1	6.0	87.7	6.6	10.4				
							Middle	4.15	1	27.1	8.0	25.4	3.8	54.3	10.9	12.3			
								2	27.1	8.0	25.3	3.8	54.5	10.6	11.9				
							Bottom	7.3	1	26.5	8.0	27.8	3.3	47.5	13.3	14.2			
								2	26.5	8.0	27.8	3.3	47.8	13.3	13.8				
		TCE-WQM2a	Cloudy	Moderate	12:14	7.0	Surface	1	1	27.8	8.1	22.1	5.1	73.9	4.4	8.9	5.1	3.7	10.5
								2	27.7	8.1	22.1	5.2	74.0	4.4	9.2				
							Middle	3.5	1	27.6	8.1	22.5	5.1	72.7	3.8	11.0			
								2	27.6	8.1	22.6	5.1	72.8	3.2	10.8				
							Bottom	6	1	26.7	8.1	25.5	4.7	67.2	3.3	12.0			
								2	26.7	8.0	25.5	4.7	67.7	3.2	11.3				
	TCE-WQM2b	Cloudy	Moderate	12:01	11.2	Surface	1	1	27.5	8.1	22.5	4.5	65.0	8.4	12.6	4.3	13.3	18.1	
							2	27.4	8.0	22.6	4.5	64.6	8.6	12.6					
						Middle	5.6	1	27.2	8.1	23.7	4.1	58.4	12.7	20.0				
							2	27.2	8.0	23.7	4.1	58.7	12.7	20.7					
						Bottom	10.2	1	27.2	8.1	23.9	4.1	58.4	18.6	20.9				
							2	27.1	8.0	23.9	4.1	59.1	18.6	21.4					
	TCE-WQM3A	Cloudy	Calm	12:30	4.1	Surface	1	1	28.8	8.2	19.4	5.9	84.9	4.7	8.8	5.9	6.6	9.5	
							2	28.8	8.1	19.4	5.9	85.5	5.0	9.3					
						Bottom	3.1	1	27.6	8.0	22.4	4.1	58.4	8.2	10.1				
							2	27.7	8.0	22.5	4.1	59.2	8.3	9.9					
						Middle	1.45	1	28.6	8.2	20.4	6.5	93.7	3.4	9.9				
							2	28.6	8.1	20.4	6.5	94.1	3.4	10.3					
	Mid-Flood	TCE-C1	Cloudy	Moderate	18:22	7.2	Surface	1	1	27.6	7.9	21.6	4.8	68.1	12.2	19.5	4.4	15.2	21.8
								2	27.6	7.9	21.6	4.8	68.1	12.1	19.7				
							Middle	3.6	1	26.9	7.9	24.2	4.0	57.4	16.9	22.0			
								2	26.9	7.9	24.2	4.0	57.4	16.9	22.5				
							Bottom	6.2	1	26.9	7.9	24.5	4.2	59.8	16.6	23.9			
								2	26.9	7.9	24.5	4.2	59.7	16.6	23.2				
		TCE-C2	Cloudy	Moderate	18:28	10.8	Surface	1	1	26.5	8.0	25.9	4.2	59.9	3.8	10.2	4.1	10.2	14.3
								2	26.5	8.1	25.8	4.2	59.9	3.6	9.6				
							Middle	5.4	1	25.9	8.0	27.6	4.0	56.9	8.5	13.4			
								2	26.0	8.1	27.5	3.9	56.8	8.2	12.8				
							Bottom	9.8	1	25.4	8.0	29.3	3.9	56.3	18.6	20.3			
								2	25.4	8.1	29.2	3.9	56.1	18.6	19.5				
		TCE-WQM1	Cloudy	Calm	17:06	7.5	Surface	1	1	28.6	8.2	21.4	6.9	100.6	5.7	12.7	6.6	9.8	14.8
								2	28.6	8.3	21.4	6.9	100.8	5.7	12.7				
							Middle	3.75	1	28.3	8.2	21.9	6.2	90.1	8.4	15.1			
								2	28.3	8.3	21.9	6.2	90.1	8.3	14.7				
							Bottom	6.5	1	27.0	8.0	25.2	4.4	63.1	15.1	16.6			
								2	27.0	8.1	25.2	4.3	62.5	15.3	17.2				
		TCE-WQM2a	Cloudy	Moderate	17:43	6.8	Surface	1	1	27.9	8.1	21.1	5.9	84.6	2.7	9.2	5.8	6.3	12.0
								2	27.9	8.2	21.1	5.9	84.8	2.7	9.9				
							Middle	3.4	1	27.8	8.1	22.1	5.6	79.9	5.9	11.4			
								2	27.8	8.2	22.1	5.6	79.9	5.4	11.9				
							Bottom	5.8	1	27.6	8.1	22.7	5.1	73.0	10.4	15.1			
								2	27.6	8.1	22.7	5.1	72.9	10.8	14.7				
	TCE-WQM2b	Cloudy	Calm	17:55	10.3	Surface	1	1	27.3	8.0	22.7	4.7	67.4	9.5	12.5	4.5	13.6	17.8	
							2	27.3	8.0	22.7	4.7	67.3	9.7	12.9					
						Middle	5.15	1	26.8	8.0	24.7	4.2	60.8	13.7	18.9				
							2	26.8	8.0	24.6	4.2	60.8	13.7	18.5					
						Bottom	9.3	1	26.6	8.0	25.7	4.0	57.5	17.8	21.8				
							2	26.6	8.0	25.7	4.0	57.5	17.1	22.0					
	TCE-WQM3A	Cloudy	Calm	17:31	3.5	Surface	1	1	28.1	8.1	21.5	5.9	85.2	11.5	10.8	5.9	14.0	15.5	
							2	28.1	8.2	21.5	5.9	85.5	11.3	11.4					
						Bottom	2.5	1	27.8	8.1	22.3	5.3	76.1	16.8	19.6				
							2	27.8	8.2	22.3	5.3	75.8	16.2	20.1					
						Middle	1.3	1	27.9	8.1	22.8	5.6	80.4	10.6	17.1				
							2	27.9	8.2	22.7	5.6	80.3	10.3	17.0					

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)							
11-09-2018	Mid-Ebb	TCE-C1	Fine	Moderate	13:09	8	Surface	1	1	27.3	8.0	22.0	4.9	70.0	6.1	6.9	4.7	8.8	8.4							
								2	2	27.3	8.0	22.0	4.9	70.0	6.1	6.8										
							Middle	4	1	26.6	8.0	24.6	4.5	63.9	8.8	8.2										
								2	2	26.6	8.0	24.6	4.5	63.9	8.8	8.9										
							Bottom	7	1	26.3	8.0	26.8	4.5	64.9	11.6	9.6										
								2	2	26.3	8.0	26.8	4.5	64.9	11.6	9.7										
		TCE-C2	Fine	Moderate	13:30	12.4	Surface	1	1	27.2	8.1	25.6	4.9	71.2	6.0	4.4	4.4	7.4	5.9							
								2	2	27.2	8.1	25.6	4.9	71.2	6.0	4.8										
							Middle	6.2	1	26.1	8.1	27.6	3.8	54.3	8.9	4.9										
								2	2	26.1	8.1	27.6	3.8	54.3	8.9	4.8										
							Bottom	11.4	1	25.6	8.1	28.8	3.7	52.5	7.3	8.0										
								2	2	25.6	8.1	28.8	3.7	52.5	7.3	8.3										
		TCE-WQM1	Fine	Moderate	12:25	8.5	Surface	1	1	27.0	8.0	25.4	4.1	59.7	4.0	15.4	4.1	6.2	16.0							
								2	2	27.0	8.0	25.4	4.1	59.7	4.0	15.6										
							Middle	4.25	1	27.0	8.0	25.4	4.1	59.5	7.7	15.4										
								2	2	27.0	8.0	25.4	4.1	59.5	7.7	16.1										
							Bottom	7.5	1	27.0	8.0	25.4	4.1	59.5	7.0	17.1										
								2	2	27.0	8.0	25.4	4.1	59.5	7.0	16.6										
		TCE-WQM2a	Fine	Moderate	12:58	8.3	Surface	1	1	27.0	8.1	25.8	4.2	60.3	11.3	7.8	4.0	8.8	10.2							
								2	2	27.0	8.1	25.8	4.2	60.3	11.3	8.2										
							Middle	4.15	1	26.2	8.1	27.4	3.8	55.2	8.9	9.3										
								2	2	26.2	8.1	27.4	3.8	55.2	8.9	9.4										
							Bottom	7.3	1	26.0	8.1	27.8	3.9	55.7	6.1	12.9										
								2	2	26.0	8.1	27.8	3.9	55.7	6.1	13.7										
	TCE-WQM2b	Fine	Moderate	13:11	9.2	Surface	1	1	27.2	8.0	24.2	4.3	62.5	5.0	8.6	4.2	5.5	8.5								
							2	2	27.2	8.1	24.1	4.3	62.5	4.3	8.4											
						Middle	4.6	1	26.8	8.0	25.4	4.2	59.8	6.9	8.7											
							2	2	26.8	8.1	25.4	4.1	59.6	6.2	8.2											
						Bottom	8.2	1	26.7	8.0	25.7	4.2	61.1	5.2	9.0											
							2	2	26.7	8.1	25.7	4.2	60.7	5.3	8.1											
	TCE-WQM3A	Fine	Moderate	12:48	4.5	Surface	1	1	27.0	8.0	24.8	4.2	60.2	3.9	9.8	4.2	4.8	11.9								
							2	2	27.0	8.0	24.8	4.2	60.2	3.9	10.6											
						Bottom	3.5	1	26.8	8.0	25.2	4.2	61.0	5.6	13.6											
							2	2	26.8	8.0	25.2	4.2	61.0	5.6	13.4											
						TCE-WQM4	Fine	Moderate	12:37	4.1	Surface	1	1	27.1	8.0				25.4	4.2	61.4	10.7	5.6	4.2	7.7	5.9
											2	2	27.1	8.0	25.4				4.2	61.4	10.7	5.7				
	Bottom	3.1	1	26.7	8.0	25.7					4.2	60.2	4.7	5.9												
		2	2	26.7	8.0	25.7					4.2	60.2	4.7	6.5												
	Mid-Flood	TCE-C1	Fine	Moderate	8:41	9.1					Surface	1	1	26.9	7.9	22.0	4.5	64.1	15.4	11.4	4.4	45.9	15.6			
												2	2	26.9	7.9	22.0	4.5	64.1	15.4	11.5						
							Middle	4.55	1	26.5	8.0	25.6	4.3	61.8	46.9	21.4										
								2	2	26.5	8.0	25.6	4.3	61.8	46.9	22.0										
							Bottom	8.1	1	26.5	8.0	26.1	4.5	64.5	75.3	13.5										
								2	2	26.5	8.0	26.1	4.5	64.5	75.3	14.0										
	TCE-C2	Fine	Moderate	7:34	12.5	Surface	1	1	26.2	8.0	26.7	3.9	56.5	8.7	13.6	3.8	10.2	13.9								
							2	2	26.3	8.0	26.6	3.9	56.4	8.5	14.2											
						Middle	6.25	1	25.8	8.0	28.1	3.8	54.3	10.0	14.5											
							2	2	25.9	8.0	28.0	3.7	53.8	9.7	13.8											
Bottom						11.5	1	25.8	8.0	28.2	3.8	54.2	11.9	13.5												
						2	2	25.8	8.0	28.1	3.7	53.5	12.1	13.6												
TCE-WQM1	Fine	Moderate	8:48	8.4	Surface	1	1	26.8	8.0	25.5	4.2	60.5	5.7	6.5	4.3	7.8	7.0									
						2	2	26.8	8.0	25.4	4.2	60.4	5.5	7.1												
					Middle	4.2	1	26.7	8.0	25.8	4.3	61.6	8.8	7.1												
						2	2	26.7	8.0	25.7	4.3	61.4	8.8	6.6												
					Bottom	7.4	1	26.7	8.0	26.0	4.3	62.3	8.7	7.4												
						2	2	26.7	8.0	26.0	4.3	62.3	9.2	7.1												
TCE-WQM2a	Fine	Moderate	8:11	8	Surface	1	1	26.7	8.0	24.7	4.2	59.7	5.9	11.9	4.1	10.5	12.7									
						2	2	26.7	8.0	24.7	4.2	59.5	6.0	12.3												
					Middle	4	1	26.6	8.0	25.2	4.0	57.4	10.2	13.0												
						2	2	26.6	8.1	25.2	4.0	57.1	9.7	12.6												
					Bottom	7	1	26.4	8.0	26.2	4.0	57.8	15.8	12.9												
						2	2	26.4	8.1	26.1	4.0	57.2	15.6	13.2												
TCE-WQM2b	Fine	Moderate	7:57	8.9	Surface	1	1	26.5	8.0	25.5	4.0	57.2	5.3	17.4	4.0	7.5	20.8									
						2	2	26.6	8.0	25.5	4.0	57.1	5.9	18.3												
					Middle	4.45	1	26.4	8.0	26.0	4.0	56.8	6.3	22.4												
						2	2	26.4	8.1	25.9	3.9	56.5	6.3	21.9												
					Bottom	7.9	1	26.3	8.0	26.5	4.0	57.6	10.4	22.6												
						2	2	26.3	8.1	26.4	4.0	57.1	10.6	22.0												
TCE-WQM3A	Fine	Moderate	8:24	4.5	Surface	1	1	26.7	8.0	24.4	4.2	60.0	8.6	12.2	4.2	8.5	13.0									
						2	2	26.7	8.0	24.4	4.2	59.8	8.3	12.9												
					Bottom	3.5	1	26.6	8.0	24.6	4.3	60.8	8.7	13.2												
						2	2	26.6	8.0	24.5	4.2	60.7	8.5	13.8												
					TCE-WQM4	Fine	Moderate	8:35	4.3	Surface	1	1	26.7	8.0				24.5	4.2	60.0	5.2	10.4	4.2	7.4	11.9	
										2	2	26.7	8.0	24.4				4.2	59.9	5.4	10.1					
Bottom	3.3	1	26.5	8.0	25.7					4.2	59.8	9.5	13.2													
	2	2	26.6	8.0	25.7					4.2	59.8	9.6	13.7													

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)		
13-09-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:02	9.3	Surface	1.0	1	27.3	8.0	23.2	5.4	77.5	4.9	10.1	5.1	8.7	11.9		
									2	27.3	8.0	23.2	5.4	77.3	4.9	9.7					
							Middle	4.7	1	26.5	8.0	26.6	4.9	69.9	10.3	11.3					
									2	26.5	8.0	26.6	4.8	69.9	10.3	11.9					
							Bottom	8.3	1	26.4	8.0	26.8	5.0	71.8	11.0	14.2					
									2	26.4	8.0	26.8	5.0	72.0	11.0	14.0					
		TCE-C2	Cloudy	Moderate	15:10	12.6	Surface	1.0	1	27.4	8.1	25.5	5.1	74.5	14.5	11.1	4.8	11.7	13.0		
									2	27.4	8.0	25.5	5.1	74.8	14.6	10.9					
							Middle	6.3	1	26.7	8.1	26.3	4.5	65.4	11.9	13.7					
									2	26.7	8.0	26.3	4.6	65.9	11.9	14.1					
							Bottom	11.6	1	26.0	8.1	28.1	4.3	61.4	8.9	14.3					
									2	26.0	8.0	28.2	4.3	62.5	8.3	13.7					
		TCE-WQM1	Cloudy	Moderate	13:44	9.2	Surface	1.0	1	27.2	8.0	25.3	5.1	73.2	11.8	10.5	5.0	10.3	11.9		
									2	27.1	8.0	25.3	5.1	73.7	11.7	10.3					
							Middle	4.6	1	26.9	8.0	26.2	4.9	70.5	11.0	11.3					
									2	26.8	8.0	26.3	4.9	71.4	11.2	11.9					
							Bottom	8.2	1	26.7	8.0	26.7	4.9	70.5	8.0	13.6					
									2	26.7	8.0	26.7	5.0	72.4	8.0	13.7					
		TCE-WQM2a	Cloudy	Moderate	14:26	7.6	Surface	1.0	1	27.2	8.0	25.0	5.0	72.9	8.2	14.1	5.0	10.0	17.8		
									2	27.2	8.0	25.1	5.1	73.6	8.2	14.4					
							Middle	3.8	1	26.8	8.0	25.6	4.8	69.9	9.0	18.7					
									2	26.8	8.0	25.7	4.9	70.1	9.7	19.3					
							Bottom	6.6	1	26.6	8.0	26.2	4.5	65.0	12.4	19.8					
									2	26.5	8.0	26.3	4.6	66.2	12.5	20.3					
	TCE-WQM2b	Cloudy	Moderate	14:41	8.9	Surface	1.0	1	27.5	8.0	24.3	5.2	75.7	3.9	10.8	5.0	2.0	12.4			
								2	27.5	8.0	24.3	5.3	76.3	1.3	10.2						
						Middle	4.5	1	26.8	8.0	25.4	4.7	67.7	1.5	12.3						
								2	26.8	8.0	25.4	4.8	68.5	1.8	12.8						
						Bottom	7.9	1	26.8	8.0	25.6	4.7	67.7	1.2	14.4						
								2	26.8	8.0	25.7	4.8	68.9	2.5	14.0						
	TCE-WQM3A	Cloudy	Moderate	14:12	4.2	Surface	1.0	1	27.6	8.0	24.1	5.2	75.1	12.9	12.4	5.2	12.3	12.9			
								2	27.6	8.0	24.2	5.2	75.8	12.3	11.5						
						Bottom	3.2	1	27.5	8.0	24.3	5.1	73.9	12.2	13.7						
								2	27.4	8.0	24.5	5.2	74.8	11.8	14.0						
						Surface	1.0	1	27.5	8.0	24.9	5.4	78.8	14.5	9.4				5.5	12.0	11.2
								2	27.5	8.0	25.0	5.5	79.5	14.6	9.7						
	Bottom	3.1	1	27.1	8.0	25.0	5.0	72.9	9.5	12.7											
			2	27.0	8.0	25.1	5.2	74.5	9.3	13.0											
	Surface	1.0	1	27.0	7.9	23.1	5.1	73.0	7.8	9.3	5.1	12.6	10.2								
			2	27.0	7.9	23.1	5.1	73.0	7.7	8.9											
	Middle	4.6	1	26.5	8.0	25.7	4.8	68.9	12.2	9.9											
			2	26.6	8.0	25.6	4.8	69.1	12.7	10.0											
	Bottom	8.2	1	26.4	8.0	26.4	5.1	73.6	17.7	11.2											
			2	26.4	8.0	26.4	5.0	72.3	17.3	11.7											
	TCE-C2	Sunny	Moderate	9:15	13.2	Surface	1.0	1	26.6	8.0	25.8	4.5	65.4	3.9	8.8	4.4	3.5	11.9			
								2	26.6	8.0	25.8	4.5	65.4	3.5	8.7						
						Middle	6.6	1	26.1	8.0	27.6	4.2	60.5	3.5	10.6						
								2	26.1	8.0	27.6	4.2	60.5	3.3	11.4						
Bottom						12.2	1	26.1	8.0	27.8	4.2	60.2	3.4	15.4							
							2	26.1	8.0	27.8	4.2	60.2	3.4	16.3							
TCE-WQM1	Cloudy	Moderate	10:40	9.6	Surface	1.0	1	27.0	8.0	25.0	5.0	72.6	12.2	10.4	5.0	11.8	11.5				
							2	26.9	8.0	25.0	5.1	72.9	12.2	10.8							
					Middle	4.8	1	26.9	8.0	25.2	4.9	70.6	10.0	10.8							
							2	26.8	8.0	25.3	4.9	70.1	10.1	11.0							
					Bottom	8.6	1	26.8	8.0	25.4	4.9	70.1	13.1	12.9							
							2	26.8	8.0	25.4	4.7	67.9	13.4	13.3							
TCE-WQM2a	Cloudy	Moderate	9:57	7.2	Surface	1.0	1	26.8	8.0	25.1	4.7	67.8	7.1	14.3	4.8	7.7	16.9				
							2	26.8	8.0	25.1	4.8	68.7	7.7	14.9							
					Middle	3.6	1	26.8	8.0	25.1	4.7	67.9	8.2	15.5							
							2	26.8	8.0	25.1	4.8	68.9	8.8	15.7							
					Bottom	6.2	1	26.8	8.0	25.1	4.8	68.6	7.2	20.2							
							2	26.8	8.0	25.1	4.9	69.9	7.2	20.6							
TCE-WQM2b	Sunny	Moderate	9:39	11.6	Surface	1.0	1	26.8	8.1	25.3	4.7	68.2	4.1	22.2	4.7	6.5	24.2				
							2	26.8	8.0	25.4	4.8	68.7	2.2	22.6							
					Middle	5.8	1	26.7	8.1	25.5	4.6	66.0	5.9	23.9							
							2	26.6	8.0	25.6	4.6	66.6	5.7	23.6							
					Bottom	10.6	1	26.6	8.0	25.7	4.6	66.3	10.4	26.3							
							2	26.6	8.0	25.7	4.6	66.3	10.4	26.8							
TCE-WQM3A	Cloudy	Moderate	10:12	4.4	Surface	1.0	1	26.8	8.0	25.0	4.9	70.8	11.8	9.5	5.0	11.5	11.7				
							2	26.8	8.0	25.0	5.0	71.9	11.2	9.9							
					Bottom	3.4	1	26.8	8.0	25.0	5.0	71.8	11.4	13.6							
							2	26.7	8.0	25.1	5.1	73.6	11.6	13.6							
					Surface	1.0	1	27.0	8.0	24.8	5.1	72.9	13.4	6.4				5.1	12.0	7.0	
							2	27.0	8.0	24.8	5.1	73.4	13.9	6.9							
Bottom	3.0	1	26.8	8.0	25.1	5.0	71.2	10.5	7.3												
		2	26.8	8.0	25.1	5.0	72.6	10.3	7.4												

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)		
15-09-2018	Mid-Flood	TCE-C1	Sunny	Moderate	11:32	8.6	Surface	1.0	1	27.7	8.0	21.1	5.5	78.8	13.5	6.6	5.5	15.8	5.1		
									2	27.7	8.0	20.9	5.5	78.8	13.4	4.1					
							Middle	4.3	1	26.9	8.1	27.6	5.4	78.7	15.4	4.7					
									2	26.9	8.1	27.6	5.4	78.3	15.6	5.9					
							Bottom	7.6	1	26.9	8.1	28.0	5.5	80.9	18.5	5.0					
									2	26.9	8.1	28.0	5.5	81.1	18.6	4.4					
		TCE-C2	Sunny	Moderate	10:51	12.8	Surface	1.0	1	27.2	8.0	25.2	4.8	70.1	11.9	5.3	4.6	12.3	6.1		
									2	27.3	8.0	25.2	4.8	69.9	11.8	5.0					
							Middle	6.4	1	26.6	8.0	27.6	4.5	65.0	12.7	6.1					
									2	26.6	8.1	27.6	4.4	64.6	12.7	6.0					
							Bottom	11.8	1	26.4	8.0	28.2	4.4	64.3	12.3	8.1					
									2	26.5	8.1	28.1	4.4	63.7	12.3	6.2					
	TCE-WQM1	Sunny	Moderate	12:06	8.8	Surface	1.0	1	28.0	8.0	24.5	5.4	79.7	6.6	6.3	5.3	5.9	5.9			
								2	28.0	8.1	24.5	5.4	79.5	6.7	7.3						
						Middle	4.4	1	27.5	8.0	25.2	5.1	74.6	5.6	4.8						
								2	27.5	8.1	25.1	5.1	74.3	5.5	6.6						
						Bottom	7.8	1	27.5	8.0	25.3	5.1	74.5	5.0	5.8						
								2	27.5	8.1	25.3	5.1	73.8	5.7	4.5						
	TCE-WQM2a	Sunny	Moderate	11:30	7.2	Surface	1.0	1	27.7	8.0	24.1	5.1	74.1	3.8	6.1	5.0	6.6	7.1			
								2	27.7	8.1	24.1	5.2	75.1	3.1	7.1						
						Middle	3.6	1	27.3	8.0	24.7	4.9	70.3	9.7	7.2						
								2	27.4	8.1	24.6	4.9	70.4	9.7	7.9						
						Bottom	6.2	1	27.1	8.0	25.4	4.8	69.1	6.8	7.8						
								2	27.2	8.1	25.4	4.8	69.9	6.7	6.7						
	TCE-WQM2b	Sunny	Moderate	11:17	9.5	Surface	1.0	1	27.5	8.0	24.4	5.0	71.8	12.6	8.3	4.9	9.1	8.6			
								2	27.5	8.1	24.4	4.9	71.6	12.6	9.5						
						Middle	4.8	1	27.3	8.0	24.8	4.8	70.1	9.4	8.0						
								2	27.3	8.1	24.8	4.8	69.6	9.5	8.2						
						Bottom	8.5	1	27.0	8.0	25.9	4.7	68.7	5.1	9.7						
								2	27.0	8.1	25.8	4.7	67.6	5.2	8.1						
	TCE-WQM3A	Sunny	Moderate	11:42	4.1	Surface	1.0	1	28.0	8.0	23.0	5.5	79.8	4.5	6.8	5.5	4.0	5.9			
								2	28.0	8.1	22.9	5.5	79.5	4.9	7.7						
						Bottom	3.1	1	27.7	8.0	23.7	5.3	77.3	3.1	4.1						
								2	27.8	8.1	23.7	5.3	76.7	3.3	5.0						
						Surface	1.0	1	27.6	8.0	24.3	5.2	75.9	4.6	6.5				5.2	7.1	5.5
								2	27.7	8.1	24.3	5.2	75.8	4.5	6.2						
	Bottom	3.0	1	27.6	8.0	24.7	5.3	76.8	9.7	5.2											
			2	27.6	8.1	24.6	5.2	76.1	9.4	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)
18-09-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	7:44	8.8	Surface	1.0	1	26.9	8.0	23.2	6.6	93.4	5.1	9.7	6.5	8.1	11.3
									2	26.9	8.0	23.2	6.6	93.4	5.1	9.8			
							Middle	4.4	1	26.8	8.0	23.4	6.4	91.7	6.6	11.3			
									2	26.8	8.0	23.4	6.4	91.7	6.5	11.7			
							Bottom	7.8	1	26.6	8.1	26.6	6.1	88.4	12.6	12.8			
									2	26.6	8.1	26.6	6.1	88.4	12.5	12.7			
				1	26.5	8.2	29.1	5.9	87.0	14.5	7.3								
				2	26.4	8.1	29.1	5.9	86.8	14.7	7.2								
				1	26.5	8.2	29.2	5.9	86.3	14.3	7.8								
				2	26.5	8.1	29.2	5.9	86.0	14.6	7.5								
				1	26.5	8.2	29.4	5.8	85.7	13.6	8.5								
				2	26.5	8.2	29.4	5.8	85.5	13.7	8.9								
				1	26.6	8.2	26.2	6.1	87.8	11.1	7.7								
				2	26.6	8.2	26.3	6.1	87.9	11.7	7.5								
				1	26.6	8.2	27.1	6.0	87.3	6.1	9.2								
				2	26.6	8.2	27.2	6.0	87.6	6.3	9.1								
				1	26.6	8.2	27.3	6.0	87.4	3.0	11.4								
				2	26.6	8.2	27.3	6.0	87.8	3.7	11.6								
				1	26.5	8.2	27.3	6.3	91.8	13.6	7.3								
				2	26.5	8.2	27.3	6.3	92.0	13.1	7.6								
				1	26.5	8.2	27.4	6.3	91.2	13.6	9.9								
				2	26.5	8.2	27.4	6.3	91.3	13.3	10.4								
				1	26.5	8.2	28.1	6.1	89.3	13.9	9.9								
				2	26.5	8.2	28.2	6.2	89.6	13.7	9.6								
			1	26.7	8.1	25.5	6.3	90.0	12.2	8.0									
			2	26.7	8.2	25.5	6.2	89.9	12.3	8.3									
			1	26.6	8.1	26.1	6.2	88.9	11.5	9.7									
			2	26.6	8.2	26.1	6.1	88.7	11.3	10.1									
			1	26.6	8.1	26.7	6.1	88.4	4.8	9.9									
			2	26.6	8.2	26.7	6.1	88.0	4.4	10.3									
			1	26.7	8.2	27.3	5.6	81.9	11.9	9.9									
			2	26.7	8.1	27.4	5.7	82.4	11.9	9.1									
			1	26.7	8.2	27.4	5.7	83.1	2.8	11.7									
			2	26.7	8.2	27.5	5.8	83.7	1.6	11.3									
			1	26.6	8.2	26.6	6.0	87.4	12.0	8.4									
			2	26.6	8.2	26.6	6.0	87.2	11.8	8.9									
			1	26.6	8.2	27.3	5.9	86.1	7.0	10.4									
			2	26.6	8.2	27.4	5.9	86.3	7.0	10.0									
			1	27.7	8.0	19.9	6.7	94.9	4.1	7.9									
			2	27.7	8.0	19.9	6.7	95.0	3.9	7.6									
			1	27.0	8.0	22.4	6.5	92.1	5.6	8.2									
			2	27.0	8.0	22.4	6.5	92.0	5.7	8.5									
			1	26.7	8.0	26.4	6.1	87.9	16.7	9.1									
			2	26.6	8.1	26.8	6.0	86.6	16.8	9.1									
			1	26.9	8.2	27.3	6.2	91.0	14.8	7.9									
			2	26.9	8.3	27.3	6.2	90.8	14.4	7.8									
			1	26.6	8.2	28.6	5.8	85.4	13.6	9.4									
			2	26.6	8.3	28.5	5.8	85.0	13.3	9.1									
			1	26.5	8.2	29.3	5.7	83.9	10.8	11.3									
			2	26.6	8.3	29.2	5.7	83.3	11.0	11.5									
			1	27.8	8.1	27.8	8.1	26.0	6.4	93.8	13.6	4.8							
			2	27.8	8.2	27.8	8.2	26.0	6.4	93.4	13.8	4.9							
			1	27.2	8.1	27.2	8.1	26.7	6.0	87.1	11.7	6.0							
			2	27.2	8.2	27.2	8.2	26.7	5.9	86.9	11.3	6.5							
		1	26.9	8.1	27.0	5.8	84.9	9.0	9.3										
		2	26.9	8.2	27.0	5.8	84.5	9.2	9.0										
		1	27.2	8.1	24.8	6.4	92.2	14.4	6.9										
		2	27.2	8.2	24.7	6.4	92.3	14.2	7.0										
		1	26.8	8.1	26.3	6.1	88.7	12.9	7.6										
		2	26.8	8.2	26.3	6.1	88.3	12.7	8.2										
		1	26.7	8.1	27.0	6.1	87.8	8.3	9.7										
		2	26.7	8.2	27.0	6.0	87.3	8.3	9.6										
		1	27.4	8.1	22.6	6.5	92.9	14.5	5.6										
		2	27.4	8.2	22.6	6.5	92.7	14.3	5.4										
		1	26.9	8.1	25.8	6.1	88.4	10.4	6.0										
		2	26.9	8.2	25.8	6.1	87.8	10.0	5.6										
		1	26.6	8.1	27.6	5.9	85.4	10.6	7.1										
		2	26.7	8.2	27.6	5.8	84.9	10.1	6.9										
		1	27.4	8.1	24.7	6.3	91.4	12.9	7.2										
		2	27.4	8.2	24.7	6.3	91.1	12.7	6.7										
		1	27.3	8.1	26.7	5.9	87.0	10.2	8.1										
		2	27.3	8.2	26.7	5.9	86.1	10.7	7.7										
		1	27.7	8.1	24.6	6.6	95.4	11.2	9.1										
		2	27.7	8.2	24.6	6.5	94.9	11.3	8.7										
	Mid-Flood	TCE-C1	Cloudy	Moderate	19:52	8.7	Surface	1.0	1	27.7	8.0	19.9	6.7	94.9	4.1	7.9	6.6	8.8	8.4
								2	27.7	8.0	19.9	6.7	95.0	3.9	7.6				
							Middle	4.4	1	27.0	8.0	22.4	6.5	92.1	5.6	8.2			
								2	27.0	8.0	22.4	6.5	92.0	5.7	8.5				
							Bottom	7.7	1	26.7	8.0	26.4	6.1	87.9	16.7	9.1			
								2	26.6	8.1	26.8	6.0	86.6	16.8	9.1				
			1	26.9	8.2	27.3	6.2	91.0	14.8	7.9									
			2	26.9	8.3	27.3	6.2	90.8	14.4	7.8									
			1	26.6	8.2	28.6	5.8	85.4	13.6	9.4									
			2	26.6	8.3	28.5	5.8	85.0	13.3	9.1									
			1	26.5	8.2	29.3	5.7	83.9	10.8	11.3									
			2	26.6	8.3	29.2	5.7	83.3	11.0	11.5									
		1	27.8	8.1	27.8	8.1	26.0	6.4	93.8	13.6	4.8								
		2	27.8	8.2	27.8	8.2	26.0	6.4	93.4	13.8	4.9								
		1	27.2	8.1	27.2	8.1	26.7	6.0	87.1	11.7	6.0								
		2	27.2	8.2	27.2	8.2	26.7	5.9	86.9	11.3	6.5								
		1	26.9	8.1	27.0	5.8	84.9	9.0	9.3										
		2	26.9	8.2	27.0	5.8	84.5	9.2	9.0										
		1	27.2	8.1	24.8	6.4	92.2	14.4	6.9										
		2	27.2	8.2	24.7	6.4	92.3	14.2	7.0										
		1	26.8	8.1	26.3	6.1	88.7	12.9	7.6										
		2	26.8	8.2	26.3	6.1	88.3	12.7	8.2										
		1	26.7	8.1	27.0	6.1	87.8	8.3	9.7										
		2	26.7	8.2	27.0	6.0	87.3	8.3	9.6										
		1	27.4	8.1	22.6	6.5	92.9	14.5	5.6										
		2	27.4	8.2	22.6	6.5	92.7	14.3	5.4										
		1	26.9	8.1	25.8	6.1	88.4	10.4	6.0										
		2	26.9	8.2	25.8	6.1	87.8	10.0	5.6										
		1	26.6	8.1	27.6	5.9	85.4	10.6	7.1										
		2	26.7	8.2	27.6	5.8	84.9	10.1	6.9										
		1	27.4	8.1	24.7	6.3	91.4	12.9	7.2										
		2	27.4	8.2	24.7	6.3	91.1	12.7	6.7										
		1	27.3	8.1	26.7	5.9	87.0	10.2	8.1										
		2	27.3	8.2	26.7	5.9	86.1	10.7	7.7										
		1	27.7	8.1	24.6	6.6	95.4	11.2	9.1										
		2	27.7	8.2	24.6	6.5	94.9	11.3	8.7										

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)								
20-09-2018	Mid-Ebb	TCE-C1	Fine	Moderate	10:21	8.9	Surface	1.0	1	28.6	8.0	12.0	6.5	90.2	5.3	4.8	6.5	8.1	5.4								
									2	28.6	8.0	12.0	6.5	90.3	5.2	5.4											
							Middle	4.5	1	28.4	8.0	13.6	6.4	88.9	6.2	5.4											
									2	28.4	8.0	13.6	6.4	89.0	6.2	5.1											
							Bottom	7.9	1	28.3	8.0	15.6	6.3	88.6	12.7	5.6											
									2	28.3	8.0	16.4	6.3	88.6	12.7	5.8											
		TCE-C2	Fine	Moderate	9:47	12.8	Surface	1.0	1	27.9	8.2	18.3	6.5	91.4	15.8	6.1	6.2	15.1	6.4								
									2	27.9	8.2	18.4	6.5	91.5	15.8	6.4											
							Middle	6.4	1	27.5	8.2	23.5	5.8	83.7	15.9	6.0											
									2	27.5	8.2	23.6	5.8	83.7	15.9	6.2											
							Bottom	11.8	1	26.9	8.3	27.7	5.3	77.1	13.5	6.7											
									2	26.9	8.3	27.8	5.3	77.1	13.6	7.0											
		TCE-WQM1	Fine	Calm	11:12	8.3	Surface	1.0	1	28.7	8.2	19.2	6.5	92.6	15.9	5.4	5.8	11.5	6.8								
									2	28.7	8.2	19.2	6.5	92.9	15.9	5.3											
							Middle	4.2	1	27.0	8.2	27.6	5.1	75.2	11.1	6.4											
									2	27.1	8.2	27.6	5.1	75.2	11.3	6.0											
							Bottom	7.3	1	26.9	8.3	28.3	5.1	75.0	7.4	8.8											
									2	26.9	8.3	28.3	5.1	75.0	7.3	9.1											
		TCE-WQM2a	Fine	Moderate	10:32	7.2	Surface	1.0	1	28.3	8.2	20.9	6.5	93.6	15.5	4.0	6.2	11.7	5.8								
									2	28.3	8.2	20.7	6.5	93.9	15.5	4.3											
							Middle	3.6	1	27.9	8.2	23.8	5.8	84.0	12.7	4.8											
									2	27.9	8.2	23.7	5.8	84.2	12.8	5.2											
							Bottom	6.2	1	27.1	8.2	26.4	5.4	78.5	6.8	8.3											
									2	27.1	8.2	26.4	5.4	78.4	6.7	8.0											
	TCE-WQM2b	Fine	Moderate	10:16	11.0	Surface	1.0	1	28.2	8.2	17.9	6.1	86.5	14.8	6.6	5.9	11.5	7.7									
								2	28.2	8.2	17.9	6.1	86.5	14.7	6.9												
						Middle	5.5	1	27.3	8.2	23.9	5.7	81.5	15.3	7.0												
								2	27.4	8.2	23.9	5.7	81.8	15.4	7.3												
						Bottom	10.0	1	27.1	8.3	26.6	5.4	79.0	4.2	8.8												
								2	27.1	8.3	26.4	5.4	79.0	4.5	9.3												
	TCE-WQM3A	Fine	Calm	10:49	3.9	Surface	1.0	1	27.9	8.2	21.3	5.9	84.0	14.6	4.7	5.9	14.4	5.8									
								2	27.9	8.2	21.6	5.9	84.3	14.6	5.3												
						Bottom	2.9	1	28.3	8.2	20.9	5.9	85.0	14.1	6.5												
								2	28.4	8.2	20.8	5.9	85.2	14.2	6.8												
						Middle	1.4	1	28.4	8.2	20.1	6.6	94.7	15.9	4.4												
								2	28.4	8.2	20.2	6.6	94.7	15.9	4.7												
	TCE-WQM4	Fine	Calm	11:00	2.8	Surface	1.0	1	28.4	8.2	20.1	6.6	94.7	15.9	4.4	6.6	15.9	4.6									
								2	28.4	8.2	20.2	6.6	94.7	15.9	4.7												
						Bottom	2.9	1	28.3	8.2	20.9	5.9	85.0	14.1	6.5												
								2	28.4	8.2	20.8	5.9	85.2	14.2	6.8												
						Middle	1.4	1	28.4	8.2	20.1	6.6	94.7	15.9	4.4												
								2	28.4	8.2	20.2	6.6	94.7	15.9	4.7												
	Mid-Flood	TCE-C1	Cloudy	Moderate	17:20	8.8	Surface	1.0	1	28.6	8.0	17.5	6.6	93.4	8.3	4.8	6.3	11.4	5.7								
									2	28.6	8.0	17.5	6.6	93.6	8.3	5.3											
							Middle	4.4	1	27.7	8.0	21.7	6.0	85.8	13.3	6.0											
									2	27.7	8.0	21.7	6.0	85.9	13.2	6.3											
							Bottom	7.8	1	27.3	8.0	25.4	5.9	86.3	12.7	5.7											
									2	27.3	8.0	25.4	5.9	86.2	12.7	6.2											
							TCE-C2	Fine	Moderate	17:11	11.9	Surface	1.0	1	28.3	8.2				22.0	6.5	93.8	14.9	4.5	6.0	12.4	5.9
														2	28.3	8.2				22.0	6.5	93.6	14.9	4.7			
												Middle	6.0	1	27.1	8.3				28.0	5.4	78.7	13.1	4.9			
														2	27.1	8.3				27.9	5.4	78.9	13.4	5.3			
												Bottom	10.9	1	27.0	8.3				29.8	5.2	77.5	9.2	7.9			
														2	27.0	8.3				29.8	5.2	77.4	9.1	8.2			
		TCE-WQM1	Fine	Calm	15:57	8.1	Surface	1.0	1	29.2	8.4	19.7	8.0	116.6	14.4	4.9	7.7	11.9	5.4								
									2	29.3	8.4	19.6	8.0	116.7	14.6	4.7											
							Middle	4.1	1	28.6	8.3	20.8	7.3	105.1	11.9	4.8											
									2	28.6	8.4	20.7	7.3	105.5	12.1	5.1											
							Bottom	7.1	1	27.7	8.3	25.2	5.7	82.6	9.2	6.2											
									2	27.7	8.3	25.2	5.6	82.1	9.1	6.6											
		TCE-WQM2a	Fine	Moderate	16:32	6.8	Surface	1.0	1	28.6	8.3	19.1	7.3	105.3	15.5	3.3	6.8	14.7	4.2								
									2	28.8	8.3	19.1	7.3	105.5	15.4	3.6											
							Middle	3.4	1	28.0	8.2	21.8	6.3	90.6	15.7	4.1											
									2	28.0	8.2	21.7	6.3	90.8	15.7	3.9											
							Bottom	5.8	1	27.7	8.2	23.2	5.9	84.8	13.3	4.9											
									2	27.7	8.2	23.4	5.8	84.5	12.7	5.2											
	TCE-WQM2b	Fine	Moderate	16:44	11.4	Surface	1.0	1	29.1	8.2	16.2	6.7	95.0	14.3	4.1	6.2	9.7	6.1									
								2	29.1	8.2	16.5	6.7	95.3	14.3	4.8												
						Middle	5.7	1	27.4	8.2	24.4	5.6	80.5	9.5	5.9												
								2	27.4	8.2	24.4	5.6	80.6	9.4	5.6												
						Bottom	10.4	1	27.3	8.2	27.5	5.3	77.8	5.5	8.2												
								2	27.2	8.2	27.5	5.3	77.8	5.3	7.8												
	TCE-WQM3A	Fine	Calm	16:21	4.0	Surface	1.0	1	29.4	8.3	15.7	7.3	104.7	14.4	6.3	7.3	12.7	6.5									
								2	29.5	8.3	15.7	7.3	104.8	14.5	5.7												
						Bottom	3.0	1	28.7	8.2	19.2	6.8	97.2	10.5	6.8												
								2	28.7	8.2	19.3	6.8	97.5	11.2	7.0												
						Middle	1.4	1	29.1	8.3	19.4	7.3	105.4	12.5	5.7												
								2	29.1	8.3	19.2	7.3	106.0	12.7	5.3												
	TCE-WQM4	Fine	Calm	16:10	2.7	Surface	1.0	1	29.1	8.3	19.4	7.3	105.4	12.5	5.7	7.3	12.6	5.5									
								2	29.1	8.3	19.2	7.3	106.0	12.7	5.3												

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)
22-09-2018	Mid-Ebb	TCE-C1	Fine	Moderate	10:14	7.9	Surface	1	1	28.7	7.9	23.7	5.1	75.9	10.0	2.9	5.1	11.5	3.8
								2	2	28.4	7.8	24.0	5.2	76.9	10.3	3.2			
							Middle	4	1	28.7	7.9	23.7	5.1	74.6	11.3	3.6			
								2	2	28.5	7.8	24.0	5.1	75.0	11.9	3.9			
							Bottom	6.9	1	28.7	7.9	23.7	5.0	74.4	12.7	4.5			
								2	2	28.5	7.8	24.0	5.0	74.2	12.8	4.8			
			1	1	28.7	8.4	17.5	7.3	103.2	13.9	2.3	6.5	14.9	2.9					
			2	2	28.6	8.4	17.5	7.3	103.5	13.9	2.6								
		Middle	6.2	1	28.0	8.3	24.3	5.7	83.6	15.3	2.5								
			2	2	28.0	8.3	24.3	5.7	83.5	15.3	2.7								
		Bottom	11.4	1	27.5	8.3	28.5	5.2	77.8	15.5	3.4								
			2	2	27.5	8.3	28.4	5.3	77.9	15.5	3.7								
			1	1	29.1	8.4	17.2	7.0	100.0	6.5	3.2	5.9	9.2	3.7					
			2	2	29.1	8.4	17.2	7.0	100.4	6.2	2.9								
		Middle	4.4	1	27.4	8.3	26.5	4.8	69.9	8.9	3.9								
			2	2	27.4	8.3	26.5	4.8	70.0	9.0	4.4								
		Bottom	7.7	1	27.4	8.3	26.8	4.8	69.7	12.2	3.9								
			2	2	27.4	8.3	26.8	4.7	69.7	12.4	4.0								
		1	1	29.3	8.4	17.9	7.9	113.7	7.5	2.4	7.2	11.9	2.7						
		2	2	29.3	8.4	17.9	8.0	115.3	7.5	2.3									
	Middle	3.7	1	28.6	8.3	19.5	6.4	91.2	13.9	3.1									
		2	2	28.5	8.3	19.5	6.4	91.2	13.8	2.7									
	Bottom	6.4	1	27.8	8.2	23.9	5.2	75.7	14.5	2.6									
		2	2	27.9	8.2	24.1	5.2	75.3	14.2	3.3									
		1	1	28.9	8.3	17.0	6.9	97.9	11.3	2.3	6.8	14.1	3.1						
		2	2	28.9	8.3	17.0	6.9	98.4	11.4	2.4									
	Middle	5.4	1	28.6	8.3	17.5	6.6	93.8	15.3	2.4									
		2	2	28.6	8.3	17.5	6.6	93.9	15.3	3.7									
	Bottom	9.7	1	28.0	8.3	22.2	5.6	80.5	15.8	3.6									
		2	2	28.0	8.3	22.3	5.6	80.2	15.6	4.2									
		1	1	28.8	8.3	17.8	6.3	90.1	11.7	4.5	6.3	13.1	6.1						
		2	2	28.9	8.3	17.9	6.3	89.9	11.6	5.1									
	Bottom	2.9	1	28.3	8.2	21.0	5.1	74.2	14.4	7.4									
		2	2	28.2	8.2	21.2	5.1	74.1	14.6	7.3									
	Surface	1	1	29.0	8.4	18.1	7.2	104.0	13.0	2.5				7.3	13.9	3.7			
		2	2	29.0	8.4	18.0	7.3	104.2	13.1	2.7									
	Bottom	2.2	1	28.7	8.3	19.7	6.2	89.7	14.8	4.6									
		2	2	28.6	8.3	19.8	6.2	89.3	14.6	5.0									
	Surface	1	1	28.6	7.8	23.7	5.0	74.1	10.9	4.0	5.0	13.7	5.3						
		2	2	28.4	7.8	23.9	5.0	74.0	11.0	4.3									
	Middle	3.65	1	28.6	7.8	24.1	5.0	73.2	13.6	4.8									
		2	2	28.3	7.8	24.4	5.0	73.0	13.2	4.6									
	Bottom	6.3	1	28.5	7.8	24.5	4.9	72.6	16.9	7.3									
		2	2	28.3	7.8	24.8	4.9	72.5	16.7	6.5									
		1	1	29.3	8.5	18.2	9.0	129.7	12.5	5.2	7.7	13.9	5.9						
		2	2	29.3	8.5	18.2	9.0	129.8	12.5	5.0									
	Middle	5.8	1	28.4	8.3	20.9	6.3	90.4	14.7	6.0									
		2	2	28.4	8.3	20.8	6.3	90.7	14.7	6.2									
	Bottom	10.6	1	27.6	8.3	26.9	5.2	77.2	14.3	6.6									
		2	2	27.6	8.3	26.9	5.2	77.0	14.4	6.4									
	1	1	29.7	8.7	18.1	9.7	141.7	5.5	5.4	8.5	9.6	6.6							
	2	2	29.9	8.7	17.9	9.8	142.5	5.9	5.9										
Middle	4.2	1	28.8	8.5	19.5	7.2	104.0	10.9	6.4										
	2	2	28.9	8.5	19.5	7.2	104.0	10.8	6.8										
Bottom	7.4	1	27.7	8.4	25.4	5.0	72.8	12.4	7.3										
	2	2	27.7	8.4	25.3	4.9	72.3	12.3	7.6										
	1	1	29.8	8.7	18.0	10.8	156.5	10.4	5.5	9.3	11.7	6.8							
	2	2	29.9	8.7	18.0	10.8	156.6	10.4	5.0										
Middle	3.3	1	28.3	8.5	19.1	7.8	111.3	10.9	7.2										
	2	2	28.4	8.5	19.1	7.8	111.8	11.2	6.7										
Bottom	5.6	1	28.3	8.3	24.6	5.1	75.7	13.8	8.0										
	2	2	28.3	8.3	24.0	5.2	75.6	13.7	8.4										
	1	1	29.2	8.3	15.8	6.7	96.0	6.1	3.6	5.8	10.5	4.8							
	2	2	29.2	8.3	15.8	6.8	96.1	6.2	4.1										
Middle	5.05	1	27.6	8.3	26.4	4.9	72.0	10.6	4.3										
	2	2	27.6	8.3	26.4	4.9	71.9	10.6	4.5										
Bottom	9.1	1	27.5	8.3	27.8	5.0	73.7	14.8	5.8										
	2	2	27.5	8.3	27.8	5.0	73.5	14.9	6.3										
	1	1	29.4	8.5	18.4	8.3	120.5	5.8	7.7	8.4	8.8	10.6							
	2	2	29.3	8.5	18.4	8.4	121.2	6.5	8.1										
Bottom	2.5	1	28.4	8.2	21.3	6.2	89.4	11.5	13.1										
	2	2	28.4	8.3	21.1	6.3	91.2	11.4	13.4										
Surface	1	1	29.3	8.6	18.5	9.5	137.4	12.9	8.4				9.6	13.0	8.2				
	2	2	29.3	8.6	18.4	9.6	138.7	13.1	7.9										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
25-09-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	14:19	8.8	Surface	1	1	28.7	8.0	22.4	5.9	86.6	13.1	11.4	5.8	14.5	12.4	
								2	2	28.7	7.9	22.5	5.9	87.0	13.3	11.0				
							Middle	4.4	1	28.6	8.0	22.5	5.7	83.9	13.0	11.9				
								2	2	28.6	7.9	22.6	5.8	84.3	13.1	12.3				
							Bottom	7.8	1	28.6	8.0	22.7	5.6	81.5	17.0	14.1				
								2	2	28.6	7.9	22.7	5.6	82.0	17.2	13.9				
			TCE-C2	Cloudy	Moderate	12:48	13.4	Surface	1	1	28.6	8.1	23.1	5.8	85.7	5.0	7.3	5.5	8.3	8.1
								2	2	28.6	8.1	23.2	5.9	85.9	4.8	7.4				
		Middle						6.7	1	28.0	8.1	25.5	5.2	76.6	8.4	8.4				
								2	2	28.0	8.0	25.6	5.2	76.7	8.6	7.8				
		Bottom						12.4	1	27.9	8.1	28.0	5.1	76.1	11.4	8.6				
								2	2	27.9	8.1	28.0	5.1	76.0	11.8	8.8				
			TCE-WQM1	Cloudy	Moderate	14:15	7.8	Surface	1	1	29.0	8.1	21.6	6.4	93.8	5.8	6.9	6.0	12.0	10.0
								2	2	29.0	8.0	21.6	6.4	94.2	5.7	7.0				
		Middle						3.9	1	28.3	8.0	23.0	5.6	82.0	11.2	10.1				
								2	2	28.3	7.9	23.0	5.6	82.2	11.1	9.9				
		Bottom						6.8	1	28.0	8.0	23.6	5.3	76.7	19.1	13.1				
								2	2	28.1	7.9	23.6	5.3	77.1	19.0	13.2				
			TCE-WQM2a	Cloudy	Moderate	13:39	6.8	Surface	1	1	28.6	8.1	22.6	6.1	89.7	5.7	5.1	5.9	5.7	6.5
								2	2	28.6	8.0	22.7	6.2	90.0	5.5	4.9				
		Middle						3.4	1	28.3	8.1	23.4	5.7	83.3	6.1	6.7				
								2	2	28.3	8.0	23.5	5.7	83.5	5.7	6.7				
		Bottom						5.8	1	28.2	8.1	23.6	5.6	81.5	5.7	7.4				
								2	2	28.3	8.0	23.7	5.6	81.7	5.3	7.9				
		TCE-WQM2b	Cloudy	Moderate	13:25	10.5	Surface	1	1	28.5	8.0	21.8	5.7	83.0	5.3	7.4	5.5	10.4	8.4	
							2	2	28.5	7.9	21.9	5.7	83.3	5.2	6.6					
	Middle						5.25	1	28.1	8.0	23.4	5.3	77.0	10.3	8.5					
							2	2	28.2	8.0	23.5	5.3	77.4	10.5	9.4					
	Bottom						9.5	1	28.0	8.0	24.0	5.1	74.1	15.6	9.3					
							2	2	28.1	8.0	24.0	5.1	74.5	15.4	9.0					
		TCE-WQM3A	Cloudy	Moderate	13:53	3.9	Surface	1	1	28.6	8.0	21.3	5.7	82.2	11.4	11.7	5.7	14.3	12.9	
							2	2	28.7	7.9	21.2	5.7	82.4	11.7	12.3					
	Bottom						2.9	1	28.3	8.0	22.8	4.8	69.5	17.1	13.5					
							2	2	28.3	7.9	22.9	4.8	69.9	17.1	14.0					
	Surface						1	1	28.8	8.1	21.7	6.4	93.5	5.3	6.4					
							2	2	28.8	8.0	21.8	6.4	93.9	5.1	5.9					
		TCE-WQM4	Cloudy	Moderate	14:03	3.6	Bottom	2.6	1	28.7	8.1	21.8	6.2	90.6	5.6	8.7	6.4	5.4	7.6	
							2	2	28.7	8.0	21.9	6.2	91.1	5.4	9.2					
	Surface						1	1	28.7	8.0	22.4	6.0	88.1	13.0	11.3					
							2	2	28.7	7.9	22.5	6.0	88.1	12.8	11.6					
	Middle						4.6	1	28.6	8.0	22.5	6.0	87.0	14.0	12.3					
							2	2	28.7	7.9	22.5	6.0	87.1	13.6	12.8					
		TCE-C1	Cloudy	Moderate	19:18	9.2	Bottom	8.2	1	28.6	8.0	22.6	5.9	86.4	14.6	15.6	5.9	13.8	13.1	
							2	2	28.6	7.9	22.6	5.9	86.4	14.6	15.2					
	Surface						1	1	28.4	8.1	23.6	5.9	86.7	5.8	8.6					
							2	2	28.4	7.9	23.6	5.9	86.7	5.8	8.6					
	Middle						6.6	1	28.2	8.1	24.4	5.3	77.5	7.8	9.0					
							2	2	28.2	7.9	24.5	5.3	77.6	7.9	8.6					
		TCE-WQM1	Cloudy	Calm	17:49	8.1	Bottom	12.2	1	27.8	8.1	26.1	4.9	71.6	10.1	9.7	4.9	8.0	9.1	
							2	2	27.8	7.9	26.2	4.9	71.7	10.6	9.9					
	Surface						1	1	28.8	8.1	22.2	6.5	95.8	7.1	6.6					
							2	2	28.8	8.0	22.3	6.6	96.0	6.9	6.6					
	Middle						4.05	1	28.7	8.1	22.3	6.4	94.2	6.3	7.4					
							2	2	28.8	8.0	22.4	6.5	94.6	6.4	7.8					
	TCE-WQM2a	Cloudy	Moderate	18:25	6.8	Bottom	7.1	1	28.3	8.0	23.0	5.5	79.9	11.7	7.5	6.5	8.3	7.3		
						2	2	28.4	7.9	23.0	5.5	80.1	11.5	7.7						
Surface						1	1	28.7	8.2	22.3	6.9	100.6	5.2	6.7						
						2	2	28.7	8.0	22.3	6.9	100.7	5.3	7.0						
Middle						3.4	1	28.6	8.1	22.4	6.4	94.2	5.6	8.1						
						2	2	28.6	8.0	22.5	6.5	94.8	5.3	8.3						
	TCE-WQM2b	Cloudy	Moderate	18:37	8.4	Bottom	5.8	1	28.3	8.1	23.5	5.4	79.1	6.8	8.4	5.4	5.8	7.8		
						2	2	28.4	7.9	23.6	5.4	79.6	6.7	8.3						
Surface						1	1	28.4	8.0	22.4	5.5	80.3	7.0	6.9						
						2	2	28.4	7.9	22.4	5.5	80.5	7.1	7.1						
Middle						4.2	1	28.3	8.0	23.0	5.2	75.7	12.2	8.6						
						2	2	28.3	7.9	23.1	5.2	75.7	12.4	8.6						
	TCE-WQM3A	Cloudy	Moderate	18:14	3	Bottom	7.4	1	28.0	8.0	24.7	4.9	71.8	16.6	13.4	5.4	12.0	9.6		
						2	2	28.0	7.9	24.9	4.9	71.9	16.5	13.0						
Surface						1	1	28.3	8.0	22.7	5.6	81.3	9.2	6.1						
						2	2	28.3	7.9	22.7	5.6	81.8	9.2	6.4						
Middle						2	1	28.2	8.1	23.9	5.1	75.2	10.7	8.4						
						2	2	28.3	7.9	24.0	5.1	75.0	10.8	8.6						
	TCE-WQM4	Cloudy	Calm	18:00	3.2	Bottom	2.2	1	28.6	8.1	22.6	5.6	82.5	7.1	9.6	5.1	10.0	7.4		
						2	2	28.6	8.1	22.7	5.7	83.5	7.1	9.4						
Surface						1	1	28.7	8.1	22.2	6.6	96.4	5.8	7.8						
						2	2	28.7	8.0	22.3	6.6	96.8	5.8	8.1						
Middle						2.2	1	28.6	8.1	22.6	5.6	82.5	7.1	9.6						
						2	2	28.6	7.9	22.7	5.7	83.5	7.1	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 (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)
27-09-2018	Mid-Ebb	TCE-C1	Fine	Moderate	13:36	8.8	Surface	1.0	1	28.2	8.1	18.8	5.8	82.5	7.6	4.8	5.6	13.0	5.9
									2	28.2	8.1	18.8	5.8	82.5	7.5	5.0			
							Middle	4.4	1	27.5	8.1	26.3	5.4	78.4	12.9	5.9			
									2	27.5	8.1	26.3	5.3	78.3	12.6	5.6			
							Bottom	7.8	1	27.5	8.1	27.8	5.7	83.6	18.5	6.8			
									2	27.5	8.1	27.8	5.6	83.2	18.9	7.2			
				1	28.7	8.0	22.2	5.6	81.1	4.9	6.7								
				2	28.7	8.1	22.2	5.5	80.9	5.0	6.6								
		Middle	6.2	1	28.2	8.0	24.6	5.1	74.6	12.6	7.9								
				2	28.1	8.2	24.7	5.1	74.4	12.0	8.1								
		Bottom	11.4	1	27.7	8.0	27.7	4.7	69.1	14.5	8.0								
				2	27.6	8.2	27.8	4.7	69.2	14.8	7.9								
				1	28.4	7.9	22.0	5.5	80.1	7.7	10.4								
				2	28.4	8.1	22.0	5.5	80.2	7.2	10.3								
		Middle	4.5	1	28.2	7.9	22.7	5.2	75.8	16.4	14.5								
				2	28.2	8.1	22.7	5.2	75.9	13.8	14.9								
		Bottom	8.0	1	28.2	7.9	23.1	5.1	74.8	20.2	15.3								
				2	28.1	8.1	23.1	5.2	74.9	20.2	15.1								
				1	28.6	7.9	22.6	5.6	81.9	5.7	5.7								
				2	28.6	8.1	22.6	5.6	82.0	5.3	6.0								
		Middle	3.6	1	28.4	7.9	23.2	5.4	78.5	8.4	6.6								
				2	28.4	8.1	23.1	5.2	76.7	7.7	7.2								
		Bottom	6.2	1	28.2	7.9	23.7	5.1	74.6	16.1	9.4								
				2	28.2	8.1	23.8	5.1	75.0	16.2	9.2								
			1	29.1	7.9	20.4	5.7	82.6	5.8	6.2									
			2	29.2	8.1	20.3	5.7	82.5	5.7	5.9									
	Middle	5.8	1	28.4	7.9	21.4	5.3	76.6	15.1	10.0									
			2	28.4	8.1	21.4	5.3	76.7	15.2	10.4									
	Bottom	10.5	1	28.3	7.9	22.0	5.2	76.2	20.9	14.9									
			2	28.3	8.1	22.1	5.3	76.5	21.0	15.3									
			1	28.5	7.9	21.8	5.5	79.8	10.4	8.6									
			2	28.5	8.1	21.8	5.5	79.7	9.9	8.9									
	Bottom	3.5	1	28.2	7.9	22.8	5.1	73.7	19.7	11.5									
			2	28.2	8.1	22.8	5.1	73.6	19.8	12.2									
			1	28.7	7.9	22.0	5.6	81.9	4.5	4.8									
			2	28.6	8.1	22.0	5.6	81.5	4.0	5.0									
	Bottom	3.1	1	28.4	7.9	22.8	5.4	78.4	10.5	6.0									
			2	28.4	8.1	22.7	5.4	79.2	10.6	6.0									
			1	28.1	8.0	16.7	5.8	81.6	9.2	3.7									
			2	28.1	8.0	16.7	5.8	81.6	9.2	4.3									
	Middle	4.7	1	27.5	8.1	26.6	5.2	75.7	9.9	4.7									
			2	27.5	8.1	26.6	5.2	75.7	9.9	5.1									
	Bottom	8.3	1	27.5	8.1	27.4	5.4	79.4	10.2	6.9									
			2	27.5	8.1	27.4	5.4	79.4	10.2	6.4									
			1	28.5	8.1	21.5	5.5	79.3	3.9	9.5									
			2	28.5	8.1	21.5	5.5	79.3	3.9	9.8									
	Middle	6.6	1	28.0	8.1	25.0	5.0	72.8	8.4	12.2									
			2	28.0	8.1	25.0	5.0	72.8	8.4	12.6									
	Bottom	12.1	1	27.9	8.1	25.6	5.0	73.7	15.6	13.2									
			2	27.9	8.1	25.6	5.0	73.7	15.6	13.8									
			1	28.4	8.1	22.2	5.4	78.8	7.8	4.3									
			2	28.4	8.1	22.2	5.4	78.8	7.8	4.1									
	Middle	4.3	1	28.3	8.1	22.4	5.3	76.6	9.6	6.8									
			2	28.3	8.1	22.4	5.3	76.6	9.6	7.3									
	Bottom	7.6	1	28.3	8.1	22.6	5.3	76.5	15.9	11.8									
			2	28.3	8.1	22.6	5.3	76.5	15.9	12.3									
			1	28.4	8.1	22.5	5.6	81.1	4.4	7.7									
			2	28.4	8.1	22.5	5.6	81.1	4.4	8.3									
	Middle	3.9	1	28.4	8.1	22.8	5.4	78.9	5.5	9.2									
			2	28.4	8.1	22.8	5.4	78.9	5.5	9.4									
	Bottom	6.8	1	28.3	8.1	23.4	5.4	78.2	7.3	9.9									
			2	28.3	8.1	23.4	5.4	78.2	7.3	10.3									
			1	28.4	8.1	20.9	5.3	77.2	6.1	7.7									
			2	28.4	8.1	20.9	5.3	77.2	6.1	7.9									
	Middle	6.0	1	28.2	8.1	22.9	5.0	73.2	12.0	9.7									
			2	28.2	8.1	22.9	5.0	73.2	12.0	9.3									
	Bottom	11.0	1	27.8	8.1	26.7	4.7	69.4	16.3	11.0									
			2	27.8	8.1	26.7	4.7	69.4	16.3	11.4									
			1	28.2	8.1	22.8	5.0	72.8	15.3	19.7									
			2	28.2	8.1	22.8	5.0	72.8	15.3	19.3									
	Bottom	3.2	1	28.2	8.1	23.4	5.0	73.1	19.0	22.1									
			2	28.2	8.1	23.4	5.0	73.1	19.0	21.5									
			1	28.4	8.1	22.5	5.4	78.6	6.1	10.7									
			2	28.4	8.1	22.5	5.4	78.6	6.1	11.0									
	Bottom	2.7	1	28.3	8.1	23.1	5.0	72.9	10.7	16.1									
			2	28.3	8.1	23.1	5.0	72.9	10.7	15.7									

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)		
29-09-2018	Mid-Ebb	TCE-C1	Foggy	Moderate	15:29	9.6	Surface	1.0	1	28.3	7.8	22.8	5.9	85.8	7.6	7.3	5.8	8.4	9.2		
									2	28.3	7.8	22.8	5.9	85.8	7.4	7.0					
							Middle	4.8	1	28.0	7.8	23.0	5.6	81.3	8.7	8.4					
									2	28.0	7.8	23.0	5.6	81.3	8.7	8.0					
							Bottom	8.6	1	28.0	7.8	23.0	5.6	81.7	8.8	12.2					
									2	28.0	7.8	23.0	5.6	81.5	8.9	12.5					
		TCE-C2	Foggy	Moderate	14:52	11.8	Surface	1.0	1	28.9	7.9	23.2	6.1	89.7	2.6	6.5	5.4	5.3	7.5		
									2	28.9	7.9	23.1	6.1	89.8	2.6	6.1					
							Middle	5.9	1	27.5	7.9	28.6	4.6	67.9	6.5	7.5					
									2	27.5	7.9	28.6	4.6	67.8	6.5	6.9					
							Bottom	10.8	1	27.5	7.9	28.9	4.7	70.1	6.8	8.7					
									2	27.5	7.9	28.9	4.7	69.9	6.8	9.1					
		TCE-WQM1	Foggy	Calm	13:45	10.2	Surface	1.0	1	28.1	7.8	23.0	5.6	81.9	8.6	17.7	5.7	12.8	18.8		
									2	28.1	7.8	23.0	5.6	81.9	8.5	17.9					
							Middle	5.1	1	28.0	7.8	23.1	5.7	82.2	13.4	19.4					
									2	28.0	7.8	23.1	5.7	82.1	13.3	18.6					
							Bottom	9.2	1	28.0	7.8	23.1	5.8	84.1	16.5	19.7					
									2	28.0	7.8	23.1	5.8	83.9	16.4	19.4					
		TCE-WQM2a	Foggy	Moderate	14:17	6.9	Surface	1.0	1	28.0	7.8	23.7	5.3	77.2	5.4	11.1	5.1	5.1	12.2		
									2	28.0	7.8	23.7	5.3	77.3	5.3	11.3					
							Middle	3.5	1	27.6	7.9	26.8	4.9	71.6	4.4	11.8					
									2	27.6	7.9	26.8	4.9	71.6	4.3	12.2					
							Bottom	5.9	1	27.5	7.9	27.9	4.8	70.7	5.6	13.1					
									2	27.5	7.9	27.9	4.8	70.6	5.6	13.4					
	TCE-WQM2b	Foggy	Moderate	14:29	11.5	Surface	1.0	1	28.0	7.9	24.5	5.3	77.2	6.2	6.5	5.3	8.4	9.2			
								2	28.0	7.9	24.5	5.3	77.2	6.2	7.2						
						Middle	5.8	1	27.9	7.9	24.6	5.3	76.8	8.5	9.7						
								2	27.9	7.9	24.6	5.2	76.7	8.5	9.9						
						Bottom	10.5	1	27.9	7.9	25.1	5.2	76.3	10.6	11.4						
								2	27.9	7.9	25.1	5.2	76.4	10.3	10.7						
	TCE-WQM3A	Foggy	Calm	14:06	4.5	Surface	1.0	1	28.6	7.9	22.4	6.0	86.9	5.0	5.4	6.0	5.1	6.5			
								2	28.6	7.9	22.3	6.0	87.0	4.9	5.1						
						Bottom	3.5	1	28.5	7.9	22.5	6.0	86.9	5.2	8.0						
								2	28.5	7.9	22.5	5.9	86.7	5.2	7.6						
						Surface	1.0	1	28.2	7.8	22.9	5.5	80.5	6.8	9.6				5.5	7.2	10.1
								2	28.3	7.8	22.9	5.5	80.5	6.7	9.7						
	Bottom	3.1	1	28.1	7.8	23.0	5.5	80.1	7.7	10.5											
			2	28.1	7.8	23.0	5.5	80.0	7.6	10.7											
	Surface	1.0	1	28.1	7.8	22.9	5.7	82.3	8.1	6.8	5.7	9.7	7.5								
			2	28.1	7.8	22.9	5.7	82.4	8.1	6.4											
	Middle	4.7	1	28.0	7.8	23.0	5.7	82.8	8.6	7.8											
			2	28.0	7.8	23.0	5.7	82.3	8.4	8.4											
	Bottom	8.3	1	28.1	7.8	23.0	5.9	85.5	12.2	8.1											
			2	28.1	7.8	23.0	5.9	85.2	12.5	7.7											
	TCE-C2	Foggy	Moderate	9:23	12.8	Surface	1.0	1	27.7	7.9	25.1	5.2	75.2	4.7	5.6	4.9	10.1	6.8			
								2	27.7	7.9	25.1	5.1	75.0	4.5	6.1						
						Middle	6.4	1	27.4	7.9	28.7	4.6	68.2	11.5	6.3						
								2	27.4	7.9	28.7	4.6	68.2	11.6	6.4						
						Bottom	11.8	1	27.4	7.9	28.8	4.6	68.9	14.2	8.2						
								2	27.4	7.9	28.8	4.6	68.8	14.2	8.1						
	TCE-WQM1	Foggy	Moderate	10:37	10.9	Surface	1.0	1	27.9	7.8	22.7	5.5	80.1	6.2	6.4	5.5	7.7	8.0			
								2	27.9	7.8	22.7	5.5	80.1	6.2	5.8						
						Middle	5.5	1	27.9	7.8	22.8	5.4	78.3	7.1	8.8						
								2	27.9	7.8	22.8	5.4	78.3	7.1	8.9						
						Bottom	9.9	1	27.9	7.8	23.3	5.4	77.6	9.8	8.9						
								2	27.9	7.8	23.4	5.3	77.4	10.0	9.3						
	TCE-WQM2a	Foggy	Moderate	10:02	6.7	Surface	1.0	1	27.9	7.9	22.7	5.6	80.3	9.2	13.8	5.6	7.5	15.3			
								2	27.9	7.9	22.7	5.6	80.4	9.1	14.0						
						Middle	3.4	1	27.9	7.9	22.8	5.5	80.2	7.1	15.4						
								2	27.9	7.9	22.8	5.5	80.2	7.0	15.2						
						Bottom	5.7	1	27.8	7.9	24.6	5.4	78.1	6.3	16.9						
								2	27.8	7.9	24.6	5.3	77.6	6.2	16.7						
	TCE-WQM2b	Foggy	Moderate	9:48	10.9	Surface	1.0	1	27.8	7.9	23.2	5.6	80.5	6.2	7.2	5.5	8.7	9.1			
								2	27.8	7.9	23.2	5.6	80.5	6.2	7.9						
						Middle	5.5	1	27.7	7.9	24.2	5.3	76.6	8.8	9.3						
								2	27.7	7.9	24.2	5.3	76.6	8.4	8.9						
						Bottom	9.9	1	27.7	7.9	24.6	5.3	76.9	11.1	10.6						
								2	27.7	7.9	24.6	5.3	76.7	11.3	10.8						
	TCE-WQM3A	Foggy	Moderate	10:14	3.5	Surface	1.0	1	27.9	7.9	22.5	5.6	80.7	5.9	12.2	5.6	6.9	12.1			
								2	27.9	7.9	22.5	5.6	80.6	5.9	11.7						
						Bottom	2.5	1	27.8	7.9	22.7	5.6	80.2	7.9	12.4						
								2	27.8	7.9	22.7	5.6	80.1	8.0	12.0						
						Surface	1.0	1	27.8	7.8	22.7	5.6	80.9	5.7	8.2				5.6	7.2	8.1
								2	27.8	7.8	22.7	5.6	80.9	5.7	7.8						
	Bottom	3.5	1	27.8	7.8	23.3	5.5	79.2	8.7	8.3											
			2	27.8	7.8	23.3	5.5	79.0	8.7	8.0											