

Annex G3

Monitoring Results for Water Quality

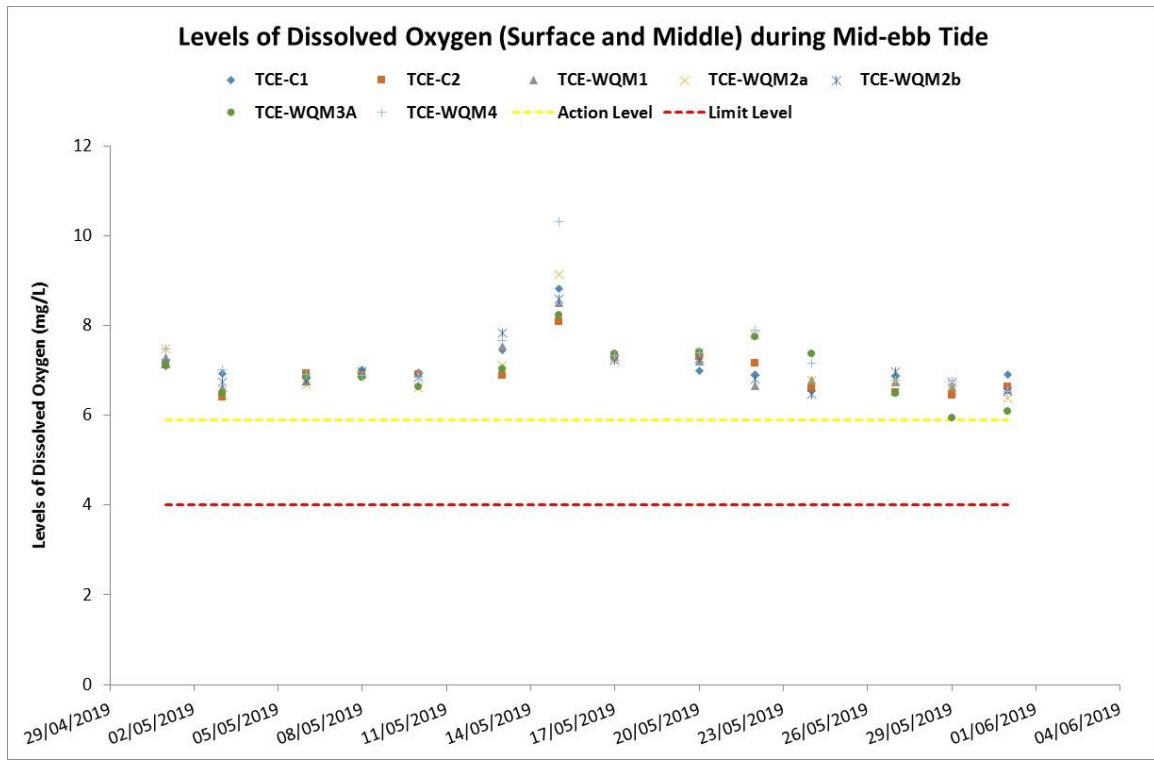


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 May 2019

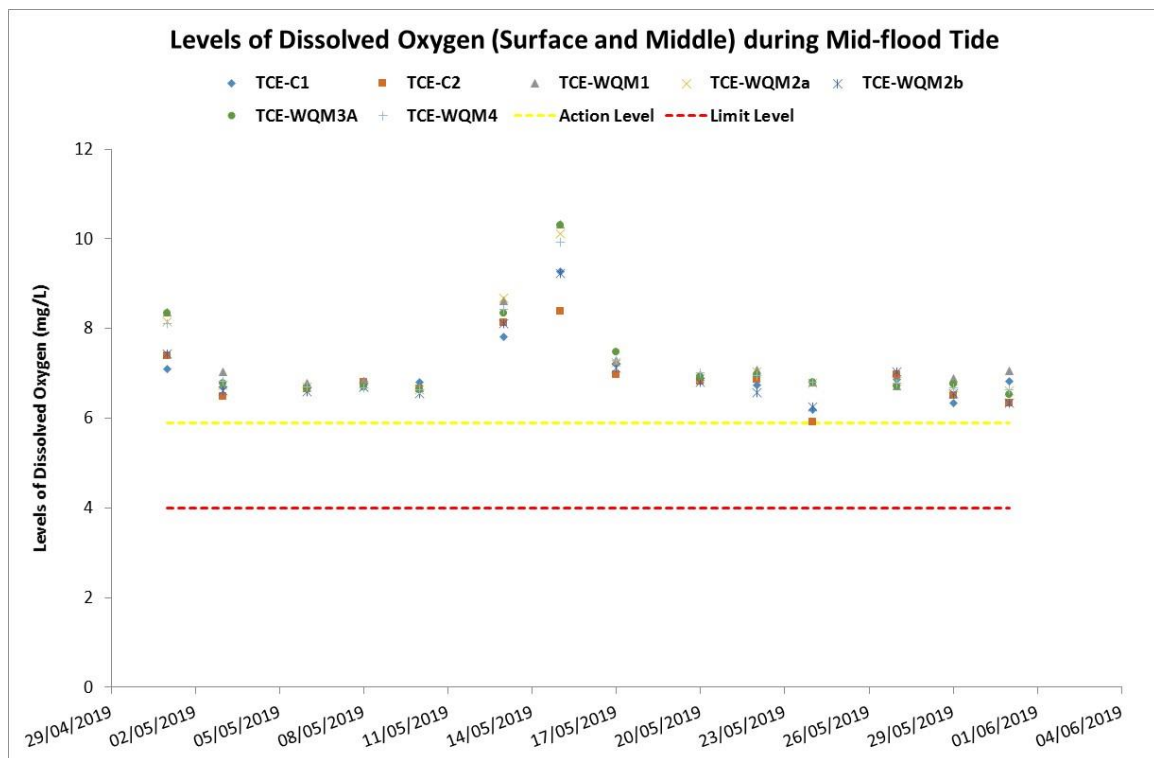


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 May 2019

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

Environmental Resources Management



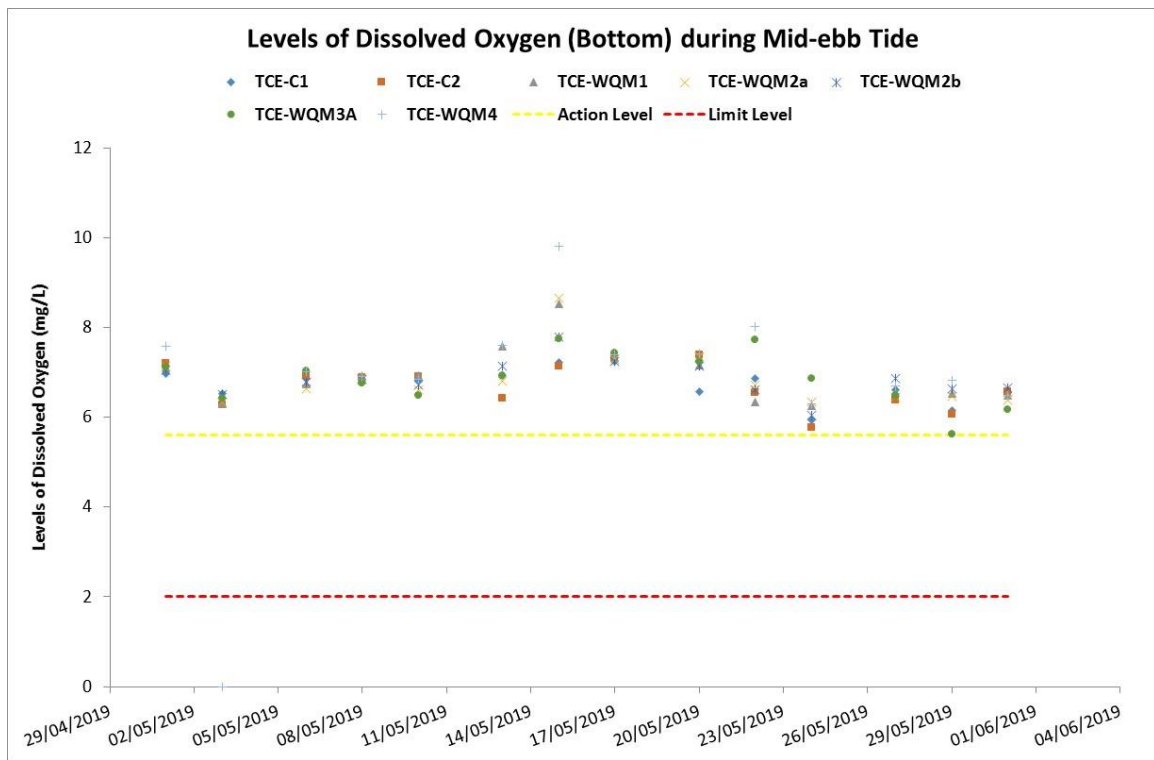


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 May 2019

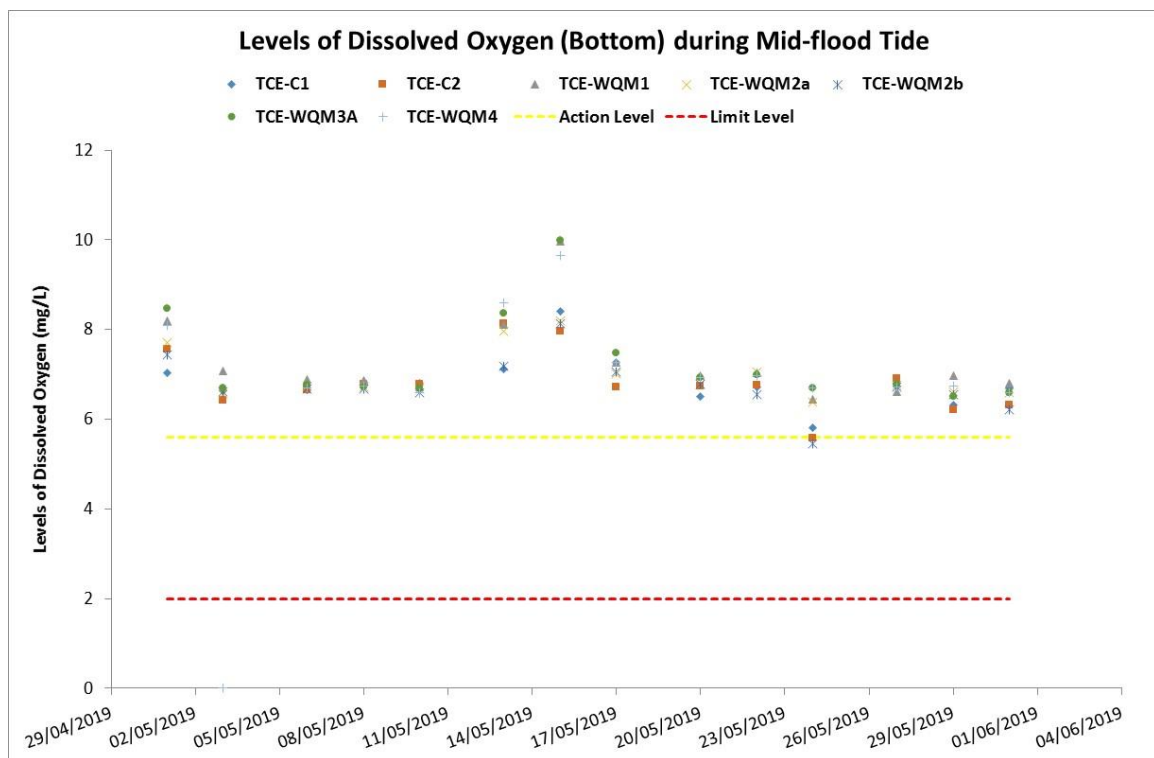


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 May 2019

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

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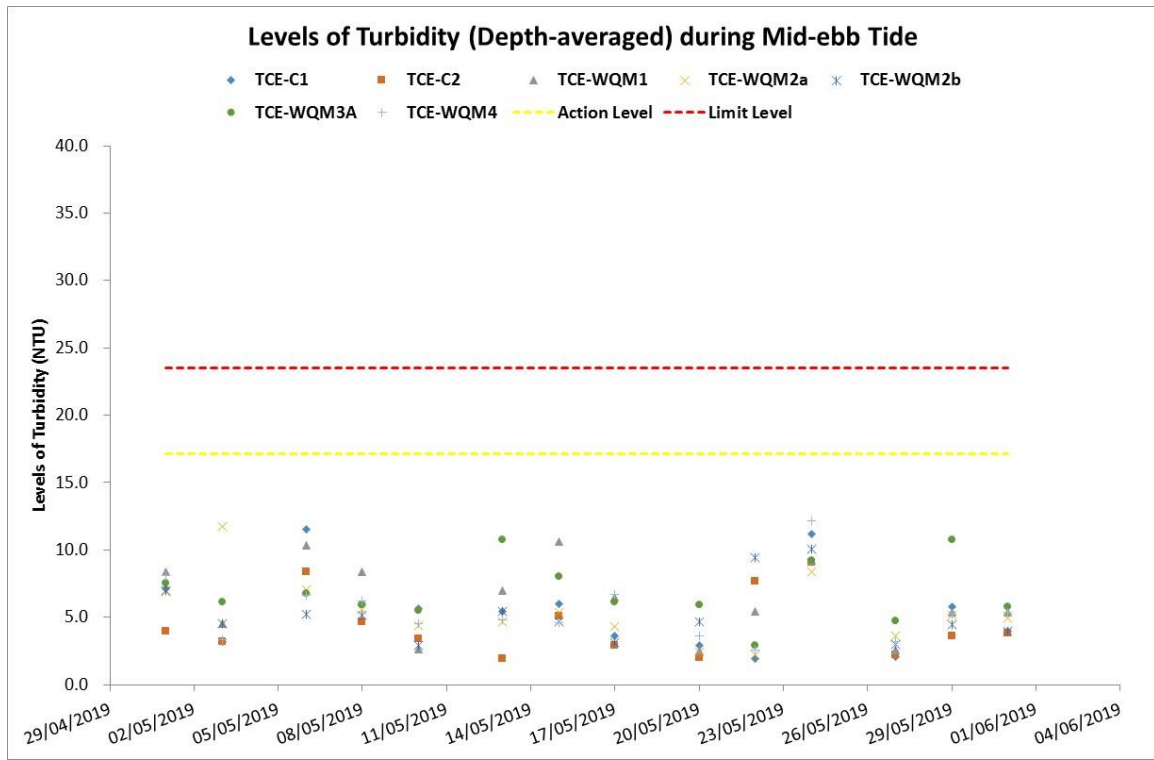


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 May 2019

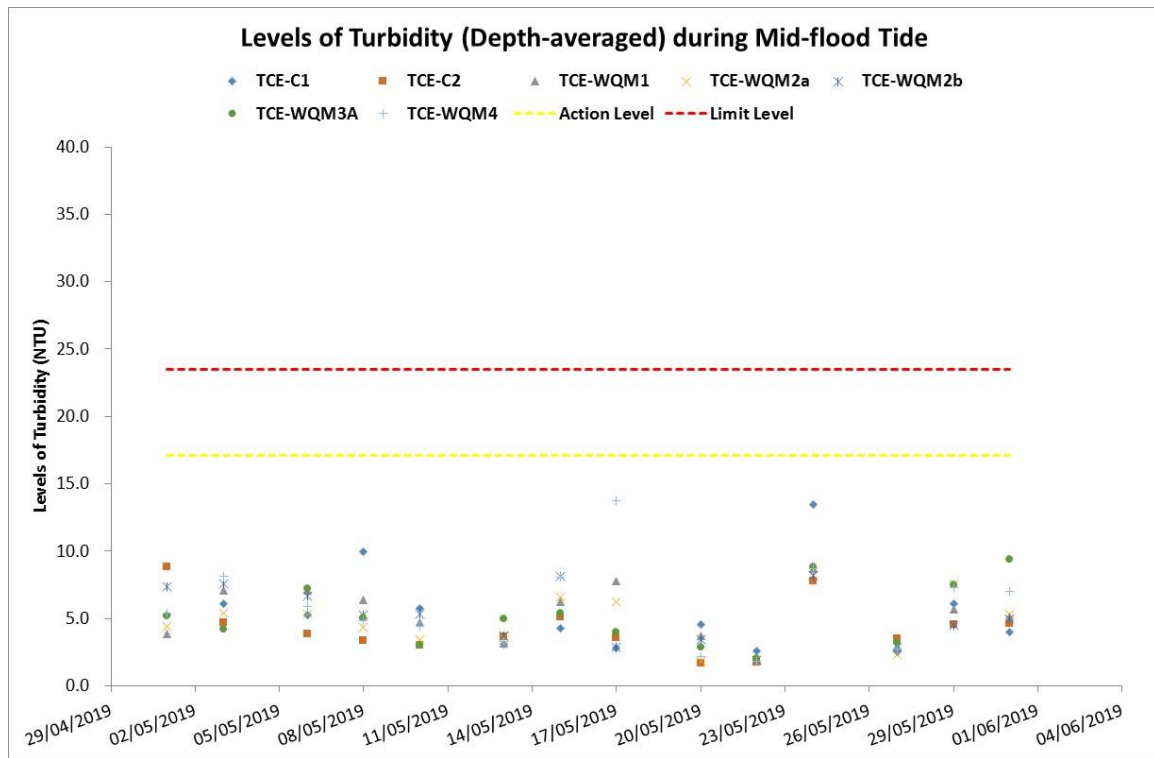


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 May 2019

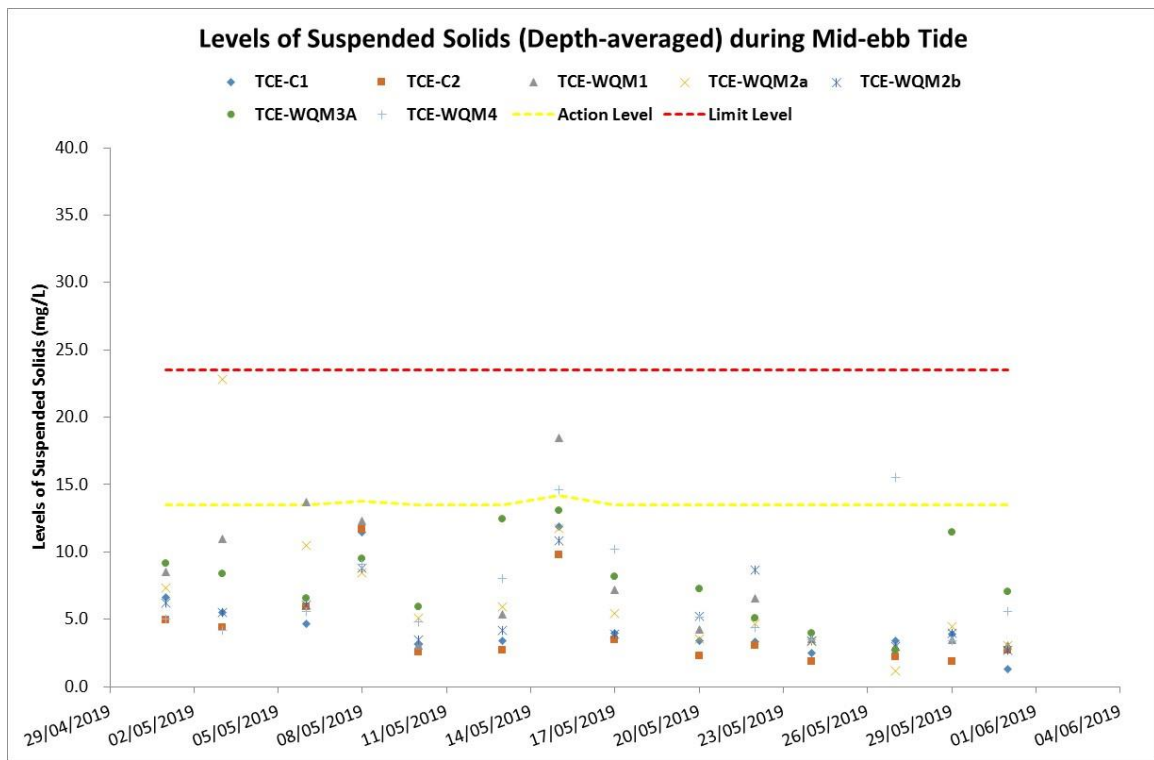


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 May 2019

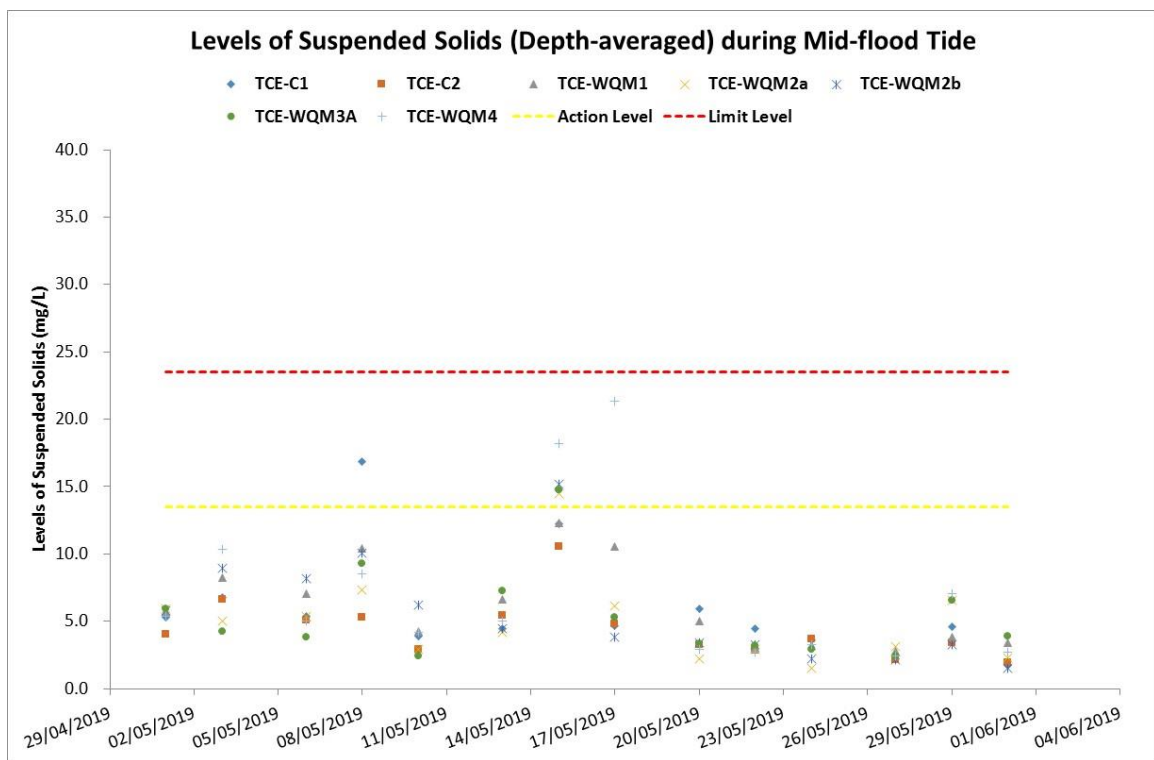


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 May 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: May 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)	
01-05-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	12:53	8.8	Surface	1.0	1	25.4	8.3	16.0	7.1	94.8	7.7	7.5	7.1	7.1	6.6	
							Middle	4.4	1	25.5	8.3	16.1	7.1	94.7	9.6	6.3				
							Bottom	7.8	1	25.5	8.3	16.1	7.1	94.6	9.4	7.0				
							Surface	1.0	2	25.3	8.3	16.0	7.1	94.2	4.3	5.7				
							Middle	4.4	2	25.3	8.3	16.1	7.0	94.2	4.3	6.0				
							Bottom	7.8	2	25.2	8.3	16.9	7.1	94.6	4.5	4.7				
		TCE-C2	Cloudy	Rough	10:07	12.3	Surface	1.0	1	25.2	8.3	14.7	7.2	94.9	3.5	4.1	7.1	4.0	5.0	
		Middle					6.2	1	25.2	8.3	14.8	7.2	94.8	3.6	4.0					
		Bottom					11.3	1	25.3	8.3	16.2	7.2	96.0	3.8	5.6					
		Surface					1.0	2	25.3	8.3	16.2	7.2	96.3	3.9	5.8					
		Middle					6.2	2	25.2	8.3	16.9	7.1	94.6	4.5	4.7					
		Bottom					11.3	2	25.2	8.3	16.9	7.1	94.6	4.7	5.7					
		TCE-WQM1	Cloudy	Moderate	11:46	8.3	Surface	1.0	1	25.3	8.2	15.8	7.5	97.8	4.9	7.3	7.2	7.3	8.4	
		Middle					4.2	1	25.4	8.2	15.8	7.3	97.8	5.0	6.5					
		Bottom					7.3	1	25.4	8.2	16.3	7.2	96.8	13.7	9.2					
		Surface					1.0	2	25.4	8.2	16.3	7.2	96.8	13.6	8.4					
		Middle					4.2	2	25.3	8.2	17.2	7.1	95.2	6.4	10.3					
		Bottom					7.3	2	25.4	8.2	17.2	7.1	95.3	6.5	9.4					
		TCE-WQM2a	Cloudy	Moderate	11:05	7.8	Surface	1.0	1	25.4	8.2	17.2	7.5	101.4	7.9	7.3	7.5	6.9	7.3	
		Middle					3.9	1	25.6	8.2	17.2	7.5	101.4	7.9	6.4					
		Bottom					6.8	1	25.5	8.2	17.4	7.4	100.0	5.7	8.5					
		Surface					1.0	2	25.5	8.2	17.4	7.4	100.0	5.8	7.5					
		Middle					3.9	2	25.4	8.2	19.5	7.1	97.0	7.0	6.6					
		Bottom					6.8	2	25.4	8.2	19.5	7.1	97.1	6.9	7.6					
	TCE-WQM2b	Cloudy	Moderate	10:49	11.5	Surface	1.0	1	25.2	8.2	14.5	7.1	93.0	9.6	5.3	7.2	7.0	6.2		
	Middle					5.8	1	25.1	8.3	14.6	7.3	95.5	3.9	7.0						
	Bottom					10.5	1	25.1	8.3	14.6	7.3	95.7	3.7	6.1						
	Surface					1.0	2	25.2	8.3	15.1	7.0	93.2	7.5	6.8						
	Middle					5.8	2	25.2	8.3	15.1	7.1	93.3	7.5	5.8						
	Bottom					10.5	2	25.2	8.3	15.1	7.1	93.3	7.5	6.8						
	TCE-WQM3A	Cloudy	Calm	11:20	3.8	Surface	1.0	1	25.8	8.2	16.6	7.1	96.0	6.6	8.6	7.1	7.5	9.2		
	Middle					2.8	1	25.8	8.2	16.6	7.1	95.9	6.6	8.5						
	Bottom					3.8	1	25.8	8.2	16.9	7.1	96.0	8.3	10.3						
	TCE-WQM4	Cloudy	Calm	11:33	3.2	Surface	1.0	1	25.6	8.3	15.9	7.5	100.2	7.1	6.5	7.5	8.1	5.0		
	Middle					2.2	1	25.6	8.3	15.9	7.5	100.9	7.0	5.7						
	Bottom					2.2	1	25.6	8.2	16.2	7.6	101.8	9.1	4.4						
	01-05-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	15:20	8.6	Surface	1.0	1	25.5	8.3	16.0	7.1	95.1	4.2	4.3	7.1	5.3	5.3
								Middle	4.3	1	25.3	8.3	16.0	7.1	95.0	4.4	5.3			
								Bottom	7.6	1	25.4	8.3	16.0	7.1	94.6	5.2	6.2			
								Surface	1.0	2	25.3	8.3	16.0	7.0	95.4	6.2	4.8			
								Middle	4.3	2	25.3	8.3	16.0	7.0	95.6	6.5	5.8			
								Bottom	7.6	2	25.3	8.3	16.0	7.0	95.7	13.0	4.0			
			TCE-C2	Cloudy	Rough	17:24	12.5	Surface	1.0	1	25.4	8.3	17.3	7.4	99.7	13.2	4.2	7.4	8.8	4.0
			Middle					6.5	1	25.3	8.3	18.1	7.4	99.4	9.2	4.0				
			Bottom					11.5	1	25.4	8.3	18.0	7.4	99.4	10.0	3.7				
			Surface					1.0	2	25.4	8.3	17.9	7.6	101.8	3.7	4.4				
			Middle					6.5	2	25.4	8.3	17.9	7.6	101.9	3.7	3.8				
			Bottom					11.5	2	25.3	8.3	17.9	7.6	101.8	3.7	3.8				
TCE-WQM1			Cloudy	Calm	16:03	8.1	Surface	1.0	1	26.3	8.3	16.0	8.3	112.3	3.8	6.5	8.4	3.8	5.7	
Middle							4.1	1	26.2	8.3	16.0	8.3	112.2	3.8	6.0					
Bottom							7.1	1	26.3	8.3	16.0	8.4	114.0	3.7	6.0					
Surface							1.0	2	26.2	8.3	16.0	8.4	114.0	3.7	5.0					
Middle							4.1	2	26.3	8.3	16.1	8.2	111.2	4.0	5.7					
Bottom							7.1	2	26.3	8.3	16.1	8.2	111.1	4.0	5.1					
TCE-WQM2a			Cloudy	Moderate	16:41	7.6	Surface	1.0	1	25.7	8.4	15.9	8.2	109.7	4.6	6.0	8.2	4.4	5.9	
Middle							3.8	1	25.7	8.4	16.1	8.1	109.1	3.9	5.6					
Bottom							6.6	1	25.7	8.4	16.1	8.1	109.1	3.9	6.4					
Surface							1.0	2	25.7	8.4	15.9	8.2	109.7	4.6	6.0					
Middle							3.8	2	25.7	8.4	16.1	8.1	109.1	3.9	5.6					
Bottom							6.6	2	25.5	8.4	16.8	7.7	103.7	4.7	5.3					
TCE-WQM2b		Cloudy	Rough	16:54	11.3	Surface	1.0	1	25.5	8.3	17.1	7.5	100.6	6.5	5.8	7.4	7.3	5.8		
Middle						5.7	1	25.4	8.3	17.6	7.4	99.6	8.6	5.5						
Bottom						10.3	1	25.4	8.3	17.9	7.4	103.5	6.9	7.0						
Surface						1.0	2	25.4	8.3	17.9	7.5	100.6	7.0	6.0						
Middle						5.7	2	25.4	8.3	17.6	7.4	99.6	8.6	5.5						
Bottom						10.3	2	25.4	8.3	17.9	7.5	100.6	7.0	6.0						
TCE-WQM3A		Cloudy	Calm	16:27	3.7	Surface	1.0	1	26.0	8.3	15.0	8.4	111.9	6.4	5.7	8.3	5.2	5.9		
Middle						2.7	1	26.0	8.3	15.0	8.5	113.4	3.9	6.0						
Bottom						2.7	1	26.0	8.3	15.0	8.5	113.4	3.9	6.0						
TCE-WQM4		Cloudy	Calm	16:15	3.4	Surface	1.0	1	25.9	8.2	15.2	8.1	108.8	5.4	5.0	8.1	5.4	5.4		
Middle						2.4	1	25.9	8.2	15.4	8.1	108.7	5.3	4.9						
Bottom						2.4	1	25.9	8.2	15.4	8.1	108.6	5.3	5.4						

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)								
03-05-2019	Mid-Ebb	TCE-C1	Fine	Moderate	13:37	7.9	Surface	1.0	1	25.5	8.0	24.7	7.0	88.3	2.8	4.5	6.9	3.2	5.5								
							Surface	1.0	2	25.5	8.0	24.7	7.0	88.3	2.8	4.1											
							Middle	4.0	1	25.3	8.0	24.4	6.9	86.5	2.7	7.5											
							Middle	4.0	2	25.3	8.0	24.4	6.9	86.5	2.8	8.5											
							Bottom	6.9	1	25.7	7.9	27.0	6.5	93.4	4.0	3.8											
							Bottom	6.9	2	25.6	7.9	27.0	6.5	93.2	4.1	4.8											
		TCE-C2	Fine	Moderate	11:25	12.5	Surface	1.0	1	24.9	7.8	24.2	6.5	89.7	3.6	3.4	6.5	3.2	4.4								
							Surface	1.0	2	24.9	7.8	24.2	6.5	89.6	3.6	2.8											
							Middle	6.1	1	24.9	7.7	25.4	6.3	88.2	3.5	4.0											
							Middle	6.1	2	24.9	7.7	25.4	6.3	88.1	3.3	3.0											
							Bottom	11.5	1	25.1	7.4	26.2	6.3	88.1	2.8	6.4											
							Bottom	11.5	2	25.1	7.4	26.2	6.3	88.1	2.8	6.8											
		TCE-WQM1	Fine	Calm	12:50	9.1	Surface	1.0	1	25.4	8.0	21.9	6.9	92.2	2.5	6.3	6.6	4.5	10.9								
							Surface	1.0	2	25.4	8.0	21.9	6.7	92.2	2.5	9.3											
							Middle	4.6	1	25.3	8.0	22.4	6.5	90.3	5.1	9.4											
							Middle	4.6	2	25.3	8.0	22.5	6.5	90.2	5.0	8.4											
							Bottom	8.1	1	25.1	8.0	23.4	6.3	87.4	6.0	14.6											
							Bottom	8.1	2	25.1	8.0	23.4	6.3	87.4	6.0	14.6											
		TCE-WQM2a	Fine	Moderate	12:12	7.4	Surface	1.0	1	24.8	8.0	22.2	6.6	90.0	5.2	5.4	6.5	11.7	22.8								
							Surface	1.0	2	24.8	8.0	22.2	6.6	90.0	5.2	6.4											
							Middle	3.7	1	24.8	7.9	24.1	6.4	87.9	10.4	17.8											
							Middle	3.7	2	24.8	7.9	24.1	6.4	87.8	10.3	16.8											
							Bottom	6.4	1	25.1	7.9	24.7	6.3	88.2	19.6	45.4											
							Bottom	6.4	2	25.1	7.9	24.7	6.3	88.1	19.7	45.2											
	TCE-WQM2b	Fine	Moderate	12:00	10.8	Surface	1.0	1	25.0	7.9	22.0	6.8	93.4	4.3	5.6	6.7	4.5	5.5									
						Surface	1.0	2	25.0	7.9	22.0	6.8	93.4	4.3	6.6												
						Middle	5.4	1	24.9	7.8	23.3	6.6	91.2	3.9	3.8												
						Middle	5.4	2	25.0	7.8	23.3	6.6	91.2	4.1	4.7												
						Bottom	9.8	1	25.4	7.7	24.2	6.5	91.0	5.3	6.5												
						Bottom	9.8	2	25.4	7.7	24.2	6.5	91.0	5.3	5.7												
	TCE-WQM3A	Fine	Calm	12:26	4.1	Surface	1.0	1	25.1	7.9	22.6	6.5	89.2	5.8	7.0	6.5	6.1	8.4									
						Surface	1.0	2	25.0	7.9	22.6	6.5	89.2	5.8	8.0												
						Middle	3.1	1	25.1	7.9	23.0	6.4	88.5	6.5	8.9												
						Middle	3.1	2	25.1	7.9	23.0	6.4	88.6	6.5	9.5												
						Bottom	1.4	1	25.0	8.0	21.7	7.0	96.0	3.3	3.8												
						Bottom	1.4	2	25.0	8.0	21.7	7.0	95.9	3.4	4.6												
	Mid-Flood	TCE-C1	Cloudy	Moderate	16:46	7.7	Surface	1.0	1	24.8	8.1	25.0	6.8	93.8	5.1	6.0	6.7	6.1	6.8								
							Surface	1.0	2	24.8	8.1	25.0	6.8	93.8	5.1	5.0											
							Middle	3.9	1	24.8	8.1	26.1	6.7	93.1	6.0	6.4											
							Middle	3.9	2	24.8	8.1	26.1	6.7	93.1	6.0	7.4											
							Bottom	6.7	1	24.8	8.1	27.0	6.6	93.2	7.2	8.1											
							Bottom	6.7	2	24.8	8.1	27.0	6.6	93.2	7.2	7.6											
							TCE-C2	Cloudy	Moderate	18:51	13.0	Surface	1.0	1	24.3	8.0				25.2	6.5	89.9	4.8	5.3	6.5	4.7	6.6
												Surface	1.0	2	24.2	8.0				25.2	6.5	89.8	5.0	4.3			
												Middle	6.5	1	24.3	8.0				26.5	6.5	89.6	4.5	7.9			
												Middle	6.5	2	24.3	8.0				26.5	6.5	89.6	4.4	7.3			
												Bottom	12.0	1	24.4	8.0				26.7	6.4	89.6	4.7	7.8			
												Bottom	12.0	2	24.4	8.0				26.7	6.4	89.6	4.8	7.0			
TCE-WQM1		Cloudy	Calm	17:29	8.6	Surface	1.0	1	24.2	8.1	22.8	7.0	95.5	5.1	6.5	7.0	7.1	8.2									
						Surface	1.0	2	24.2	8.1	22.8	7.0	95.9	5.1	5.2												
						Middle	4.3	1	24.2	8.1	23.0	7.0	95.8	6.3	5.2												
						Middle	4.3	2	24.1	8.1	23.0	7.1	95.9	6.7	5.5												
						Bottom	7.6	1	24.1	8.1	23.6	7.1	96.4	9.6	14.0												
						Bottom	7.6	2	24.1	8.1	23.6	7.1	96.4	9.5	12.5												
TCE-WQM2a		Cloudy	Moderate	18:07	7.5	Surface	1.0	1	24.2	8.0	23.7	6.8	92.5	4.1	4.9	6.7	5.4	5.0									
						Surface	1.0	2	24.2	8.0	23.7	6.8	92.5	4.1	4.6												
						Middle	3.8	1	24.3	8.0	23.9	6.7	91.4	5.5	5.4												
						Middle	3.8	2	24.3	8.0	23.9	6.7	91.5	5.7	4.5												
						Bottom	6.5	1	24.3	8.0	24.2	6.6	90.0	6.5	5.1												
						Bottom	6.5	2	24.3	8.0	24.2	6.6	90.1	6.5	5.6												
TCE-WQM2b	Cloudy	Moderate	18:18	11.1	Surface	1.0	1	24.3	8.0	24.3	6.7	91.3	5.0	6.3	6.6	7.5	8.9										
					Surface	1.0	2	24.3	8.0	24.3	6.7	91.3	4.8	5.3													
					Middle	5.6	1	24.3	8.0	24.6	6.6	90.3	8.8	11.4													
					Middle	5.6	2	24.3	8.0	24.6	6.6	90.4	8.8	10.1													
					Bottom	10.1	1	24.2	8.0	24.6	6.6	90.7	8.9	9.8													
					Bottom	10.1	2	24.2	8.0	24.6	6.6	90.7	9.0	10.7													
TCE-WQM3A	Cloudy	Calm	17:55	3.9	Surface	1.0	1	24.7	8.0	23.0	6.8	92.9	3.5	4.0	6.8	4.2	4.3										
					Surface	1.0	2	24.7	8.0	23.0	6.8	92.9	3.5	3.4													
					Middle	2.9	1	24.4	8.0	23.7	6.7	91.7	4.8	4.6													
					Middle	2.9	2	24.4	8.0	23.7	6.7	91.7	4.9	5.1													
					Bottom	1.4	1	24.3	8.0	23.7	6.8	93.2	8.1	10.0													
					Bottom	1.4	2	24.3	8.0	23.7	6.8	93.4	8.1	10.7													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Depth	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)	SS (mg/L)	
09-05-2017	Mid Flood	TCS-A1	Cloudy	Rough	1211	7.5	Surface	1.0	1	25.9	8.2	25.0	6.8	95.5	11.0	4.5	0.8	11.5	4.7
							Mid-depth	3.8	2	25.0	8.2	25.0	6.8	95.5	11.8	3.8			
							Bottom	6.5	2	24.0	8.2	24.9	6.9	95.7	12.9	4.8			
		Surface	1.0	1	24.0	8.2	25.5	6.7	94.5	11.6	4.8								
		Mid-depth	3.8	2	24.0	8.2	25.5	6.7	94.7	12.6	5.8								
		Bottom	6.5	2	24.0	8.2	25.9	6.9	94.9	13.9	6.7								
	TCS-WQ3M1	Cloudy	Moderate	1235	8.1	Surface	1.0	2	25.9	8.2	25.9	6.9	94.5	11.0	4.5	0.8	10.1	10.7	
						Mid-depth	4.1	2	25.9	8.1	25.9	6.8	92.8	10.6	3.7				
						Bottom	7.1	2	24.9	8.1	25.9	6.8	92.5	10.7	11.7				
	TCS-WQ3M2	Cloudy	Moderate	1236	6.9	Surface	1.0	2	25.9	8.1	25.9	6.7	92.7	9.5	14.2	0.7	7.1	10.5	
						Mid-depth	3.8	2	25.9	8.1	25.9	6.7	92.4	9.9	11.9				
						Bottom	6.6	2	25.9	8.1	25.5	6.7	92.0	10.0	10.0				
TCS-WQ3M3	Cloudy	Moderate	1240	10	Surface	1.0	2	25.9	8.2	25.9	6.8	95.0	9.9	3.9	0.6	5.2	6.1		
					Mid-depth	3.8	2	24.1	8.1	25.0	6.8	92.2	9.7	6.4					
					Bottom	6.6	2	24.1	8.2	25.6	6.8	92.5	9.7	6.5					
TCS-WQ3M4	Cloudy	Moderate	1246	5.3	Surface	1.0	2	24.1	8.2	25.8	6.9	92.6	9.5	5.4	0.8	4.8	6.0		
					Mid-depth	3.1	1	24.7	8.3	25.5	7.0	94.9	9.4	3.4					
					Bottom	5.2	2	24.8	8.2	24.3	6.9	94.0	9.8	4.9					
09-05-2017	Mid Flood	TCS-A1	Cloudy	Rough	7:05	7.9	Surface	1.0	1	25.6	8.1	24.2	6.7	96.9	9.4	3.5	0.7	5.1	5.4
							Mid-depth	4.0	1	25.6	8.1	24.2	6.7	96.1	9.1	4.0			
							Bottom	6.9	1	25.6	8.1	24.2	6.7	96.2	9.4	8.3			
		Surface	1.0	2	25.9	8.2	25.9	6.7	96.1	9.5	3.2								
		Mid-depth	3.8	2	25.9	8.2	25.9	6.7	95.8	9.7	3.9								
		Bottom	6.6	2	25.9	8.2	25.9	6.7	95.9	9.9	3.8								
	TCS-WQ3M1	Cloudy	Moderate	7:19	10.7	Surface	1.0	2	25.9	8.2	24.2	6.8	95.8	9.5	3.8	0.8	7.1	7.1	
						Mid-depth	3.4	1	25.9	8.2	24.2	6.8	95.1	9.7	3.0				
						Bottom	6.7	2	25.6	8.2	24.2	6.8	95.5	9.8	7.5				
	TCS-WQ3M2	Cloudy	Moderate	6:47	8.7	Surface	1.0	2	25.6	8.2	25.4	6.9	95.5	9.1	4.2	0.8	5.3	5.3	
						Mid-depth	4.4	1	25.6	8.1	25.9	6.7	96.0	9.5	5.1				
						Bottom	7.7	1	25.6	8.1	25.9	6.7	95.9	9.8	4.4				
TCS-WQ3M3	Cloudy	Moderate	6:34	11.8	Surface	1.0	2	24.0	8.2	25.9	6.7	95.0	9.9	5.1	0.7	4.6	6.1		
					Mid-depth	3.7	2	24.0	8.1	24.3	6.6	94.0	9.8	2.6					
					Bottom	6.6	2	24.0	8.1	24.4	6.6	94.5	9.4	8.0					
TCS-WQ3M4	Cloudy	Moderate	6:36	6.8	Surface	1.0	2	24.0	8.2	24.4	6.7	95.1	9.4	3.2	0.7	7.2	5.8		
					Mid-depth	3.6	2	24.7	8.1	24.1	6.7	94.5	9.4	4.1					
					Bottom	6.6	2	24.7	8.1	24.1	6.7	94.7	9.6	10.6					
TCS-WQ3M4	Cloudy	Moderate	7:09	4	Surface	1.0	2	25.7	8.1	24.9	6.7	95.8	9.2	3.2	0.7	5.9	5.0		
					Mid-depth	3.8	2	25.7	8.2	24.2	6.7	95.0	9.6	3.8					
					Bottom	6.6	2	25.8	8.2	24.2	6.7	95.0	9.6	3.8					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
08-05-2019	Mid-Ebb	TCE-C1	Rainy	Moderate	13:27	9	Surface	1.0	1	22.8	8.0	27.0	7.1	95.9	5.3	10.7	7.0	6.0	11.5	
							Middle	4.5	1	22.8	8.0	27.2	7.0	94.7	5.1	8.2				
							Middle	2	22.8	8.0	27.2	7.0	94.4	5.2	8.9					
							Bottom	8.0	1	23.6	8.0	28.6	6.8	94.7	7.8	15.8				
							Bottom	2	23.6	8.0	28.6	6.8	94.9	7.5	15.5					
							Bottom	2	23.6	8.0	28.6	6.8	94.9	7.5	15.5					
		TCE-C2	Cloudy	Moderate	15:30	13.8	Surface	1.0	1	23.4	8.0	23.7	6.9	92.3	4.2	7.5	6.9	4.7	11.7	
							Middle	6.9	1	22.5	8.0	23.3	6.8	91.5	4.2	10.1				
							Middle	2	22.5	8.0	23.3	6.9	91.5	4.2	11.1					
							Bottom	12.8	1	22.6	8.0	23.7	6.9	91.3	5.6	16.7				
							Bottom	2	22.6	8.0	23.7	6.9	91.4	5.6	16.2					
							Bottom	2	22.6	8.0	23.7	6.9	91.4	5.6	16.2					
		TCE-WQM1	Rainy	Calm	14:31	8.4	Surface	1.0	1	22.5	8.0	25.2	7.0	92.8	7.3	11.7	6.9	8.4	12.3	
							Middle	4.2	1	22.4	8.0	25.3	6.9	92.4	7.3	10.6				
							Middle	2	22.4	8.0	25.3	6.9	92.4	7.3	11.0					
							Bottom	7.4	1	22.8	8.0	25.4	6.9	93.1	10.6	14.4				
							Bottom	2	22.8	8.0	25.4	6.9	93.3	10.6	15.4					
							Bottom	2	22.8	8.0	25.4	6.9	93.3	10.6	15.4					
		TCE-WQM2a	Rainy	Moderate	14:45	7	Surface	1.0	1	22.9	8.0	24.2	6.9	92.9	5.2	8.4	6.9	5.6	8.5	
							Middle	3.5	1	22.2	8.0	24.6	6.9	91.0	5.9	8.5				
							Middle	2	22.2	8.0	24.6	6.9	91.0	5.9	9.5					
							Bottom	6.0	1	22.9	8.0	24.2	6.9	91.8	5.5	8.4				
							Bottom	2	22.9	8.0	24.2	6.9	91.9	5.5	8.2					
							Bottom	2	22.9	8.0	24.2	6.9	91.9	5.5	8.2					
	TCE-WQM2b	Rainy	Moderate	14:58	12	Surface	1.0	1	23.3	8.0	22.4	7.0	93.2	3.4	7.1	7.0	5.2	8.8		
						Middle	6.0	1	22.8	8.0	23.1	6.9	92.0	4.3	6.0					
						Middle	2	22.8	8.0	23.1	6.9	92.0	4.3	7.0						
						Bottom	11.0	1	22.9	8.0	23.9	6.9	91.4	7.8	12.1					
						Bottom	2	22.9	8.0	23.9	6.9	91.6	7.7	13.1						
						Bottom	2	22.9	8.0	23.9	6.9	91.6	7.7	13.1						
	TCE-WQM3A	Rainy	Calm	14:54	4.8	Surface	1.0	1	23.1	8.0	23.4	6.8	91.4	5.6	9.1	6.8	5.9	9.5		
						Middle	3.8	1	23.0	8.0	23.6	6.8	90.0	6.2	10.1					
						Middle	2	23.0	8.0	23.6	6.8	90.2	6.2	10.2						
						Bottom	1.0	1	22.8	8.0	24.1	6.9	91.9	5.6	7.8					
						Bottom	2	22.8	8.0	24.1	6.9	91.9	5.6	7.8						
						Bottom	2	22.8	8.0	24.1	6.9	91.9	5.6	7.8						
	TCE-WQM4	Rainy	Calm	14:15	4.5	Surface	1.0	1	22.8	8.0	24.1	6.9	91.9	5.6	7.8	6.9	6.2	9.1		
						Middle	3.5	1	22.9	8.0	24.1	6.9	91.9	5.8	8.3					
						Middle	2	22.9	8.0	24.1	6.9	92.2	6.8	10.3						
						Bottom	1.0	1	22.9	8.0	24.0	6.9	92.4	6.8	9.9					
						Bottom	2	22.9	8.0	24.0	6.9	92.4	6.8	9.9						
						Bottom	2	22.9	8.0	24.0	6.9	92.4	6.8	9.9						
	08-05-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	9:07	8.8	Surface	1.0	1	23.2	8.0	26.7	6.8	93.1	6.9	13.4	6.8	10.0	16.8
								Middle	4.4	1	23.2	8.0	27.0	6.8	93.2	7.4	11.5			
								Middle	2	23.2	8.0	27.0	6.8	93.2	7.4	12.5				
								Bottom	7.8	1	23.2	8.0	27.4	6.8	93.6	15.7	26.0			
								Bottom	2	23.2	8.0	27.4	6.8	93.6	15.6	25.2				
								Bottom	2	23.2	8.0	27.4	6.8	93.6	15.6	25.2				
TCE-C2			Cloudy	Moderate	7:15	13.8	Surface	1.0	1	23.3	7.7	23.9	6.8	91.1	3.4	5.8	6.8	3.4	5.3	
							Middle	6.9	1	23.3	7.7	23.9	6.8	91.7	3.3	5.1				
							Middle	2	23.3	7.7	23.8	6.8	91.8	3.4	4.2					
							Bottom	12.8	1	23.2	7.7	23.9	6.8	91.2	3.4	5.3				
							Bottom	2	23.2	7.7	23.9	6.8	91.2	3.4	5.3					
							Bottom	2	23.2	7.7	23.9	6.8	91.2	3.4	5.3					
TCE-WQM1			Cloudy	Calm	8:24	8.7	Surface	1.0	1	23.0	8.0	23.9	6.8	91.1	3.4	10.3	6.8	6.4	10.4	
							Middle	4.4	1	22.8	8.0	23.9	6.8	91.0	3.2	9.4				
							Middle	2	22.8	8.0	23.9	6.8	91.0	3.1	10.1					
							Bottom	7.7	1	22.8	8.0	24.1	6.9	91.7	8.7	11.9				
							Bottom	2	22.8	8.0	24.1	6.9	91.8	8.7	10.9					
							Bottom	2	22.8	8.0	24.1	6.9	91.8	8.7	10.9					
TCE-WQM2a			Cloudy	Moderate	7:51	7.2	Surface	1.0	1	23.4	8.0	23.5	6.7	89.8	4.5	7.1	6.7	4.3	7.4	
							Middle	3.6	1	23.3	8.0	23.5	6.7	89.8	4.0	7.9				
							Middle	2	23.3	8.0	23.5	6.7	89.8	4.1	6.9					
							Bottom	6.2	1	23.4	8.0	23.6	6.7	90.4	4.4	7.5				
							Bottom	2	23.4	8.0	23.6	6.7	90.5	4.4	6.6					
							Bottom	2	23.4	8.0	23.6	6.7	89.9	4.8	9.3					
TCE-WQM2b		Cloudy	Moderate	7:39	11.2	Surface	1.0	1	23.3	7.9	23.9	6.7	89.9	4.0	10.2	6.7	5.2	10.1		
						Middle	5.6	1	23.2	7.9	23.9	6.7	90.0	5.0	11.1					
						Middle	2	23.2	7.9	23.9	6.7	90.0	5.0	10.1						
						Bottom	10.2	1	23.4	7.9	24.3	6.7	90.0	5.8	10.2					
						Bottom	2	23.4	7.9	24.3	6.7	90.1	5.8	9.6						
						Bottom	2	23.4	7.9	24.3	6.7	90.1	5.8	9.6						
TCE-WQM3A		Cloudy	Calm	8:02	4.4	Surface	1.0	1	23.1	8.0	23.6	6.7	89.7	4.0	9.8	6.7	5.0	9.3		
						Middle	3.4	1	23.1	8.0	23.7	6.7	89.7	4.0	8.8					
						Middle	2	23.1	8.0	23.7	6.7	89.7	4.0	8.8						
						Bottom	1.0	1	23.1	8.0	23.7	6.7	90.0	6.0	8.9					
						Bottom	2	23.1	8.0	23.6	6.7	89.5	4.8	8.6						
						Bottom	2	23.1	8.0	23.6	6.7	89.5	4.8	8.6						
TCE-WQM4		Cloudy	Calm	8:13	4.2	Surface	1.0	1	23.2	8.0	23.7	6.7	90.2	4.8	7.7	6.7	4.8	8.5		
						Middle	3.2	1	23.2	8.0	23.7	6.7	90.2	4.8	7.7					
						Middle	2	23.2	8.0	23.7	6.7	90.3	4.8	8.6						
						Bottom	1.0	1	23.2	8.0	23.7	6.7	90.3	4.8	8.6					
						Bottom	2	23.2	8.0	23.7	6.7	90.3	4.8	8.6						
						Bottom	2	23.2	8.0	23.7	6.7	90.3	4.8	8.6						

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)
10-05-2019	Mid-Ebb	TCE-C1	Fine	Moderate	10:06	8.1	Surface	1.0	1	26.1	8.2	23.0	6.9	97.2	3.8	2.4	6.9	5.6	1.1
							Surface	1.0	2	26.1	8.0	23.0	7.0	97.2	4.0	2.2			
							Bottom	7.1	1	27.1	8.0	23.3	8.8	99.0	6.8	3.4			
		Surface	1.0	2	26.1	8.2	23.3	6.8	99.0	6.8	3.3								
		Surface	1.0	1	24.6	8.0	20.3	6.9	95.4	2.3	3.5								
		Surface	1.0	2	24.6	8.0	20.3	6.9	95.4	2.3	3.5								
	TCE-C2	Fine	Moderate	16:57	13	Surface	1.0	1	24.5	8.0	20.8	6.9	92.9	2.4	2.4	6.9	3.4	2.6	
						Surface	1.0	2	24.5	8.0	20.8	6.9	92.9	2.4	2.0				
						Bottom	12.0	1	24.9	8.0	20.9	6.9	93.2	3.3	2.2				
	TCE-WQMA	Fine	Moderate	15:49	8.4	Surface	1.0	1	25.2	8.0	21.8	6.9	95.3	2.3	2.8	6.9	2.6	3.0	
						Surface	1.0	2	25.2	8.0	21.8	6.9	95.3	2.3	1.8				
						Bottom	7.4	1	25.1	8.0	22.4	6.9	95.2	3.0	3.1				
TCE-WQMA	Fine	Moderate	16:21	7.7	Surface	1.0	1	25.6	8.0	22.1	6.9	96.0	2.7	3.8	6.9	4.4	5.1		
					Surface	1.0	2	25.6	8.0	22.1	6.9	96.0	2.7	3.8					
					Bottom	7.4	1	25.6	8.0	22.1	6.9	96.0	2.7	3.8					
TCE-WQMA	Fine	Moderate	16:35	11.2	Surface	1.0	1	24.7	8.0	21.3	6.8	90.8	3.1	4.7	6.8	4.4	5.1		
					Surface	1.0	2	24.7	8.0	21.3	6.8	90.8	3.1	4.7					
					Bottom	10.2	1	24.5	7.9	20.6	6.8	91.8	2.0	2.7					
TCE-WQMA	Fine	Calm	16:13	4.5	Surface	1.0	1	24.8	8.0	21.3	6.8	90.1	4.3	4.2	6.8	5.5	6.0		
					Surface	1.0	2	24.8	7.9	21.3	6.8	90.1	4.3	3.2					
					Bottom	3.5	1	24.4	7.9	22.6	6.5	88.2	6.7	7.7					
TCE-WQMA	Fine	Calm	16:02	3.3	Surface	1.0	1	24.7	8.0	21.9	6.8	91.2	3.9	3.8	6.8	4.5	4.8		
					Surface	1.0	2	24.7	8.0	21.9	6.8	91.2	3.9	3.3					
					Bottom	2.3	1	24.6	8.0	22.1	6.9	91.4	3.1	3.9					
10-05-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	11:00	7.9	Surface	1.0	1	24.8	8.0	21.4	6.8	91.4	3.1	3.9	6.8	5.7	3.9
							Surface	1.0	2	24.8	8.0	21.4	6.8	91.4	3.1	3.4			
							Bottom	6.9	1	25.1	8.0	21.1	6.8	94.0	2.1	3.7			
		Surface	1.0	1	24.7	7.9	21.3	6.8	92.7	2.1	3.9								
		Surface	1.0	2	24.7	7.9	21.3	6.8	92.7	2.1	3.9								
		Bottom	10.2	1	24.5	7.9	20.6	6.8	91.8	2.0	2.7								
	TCE-WQMA	Cloudy	Moderate	8:59	13.2	Surface	1.0	1	24.8	8.0	21.4	6.8	91.4	3.1	3.9	6.8	3.0	2.9	
						Surface	1.0	2	24.8	8.0	21.4	6.8	91.4	3.1	3.9				
						Bottom	12.2	1	24.0	7.9	20.4	6.8	88.8	3.1	3.3				
	TCE-WQMA	Cloudy	Moderate	10:10	8.6	Surface	1.0	1	24.0	7.9	22.2	6.7	90.0	4.2	3.9	6.7	4.7	4.2	
						Surface	1.0	2	24.0	7.9	22.2	6.7	90.0	4.2	4.0				
						Bottom	7.6	1	24.2	7.9	21.9	6.7	90.0	4.1	3.6				
TCE-WQMA	Cloudy	Moderate	9:38	7.4	Surface	1.0	1	24.0	7.9	22.5	6.7	90.0	4.1	4.6	6.7	3.4	2.9		
					Surface	1.0	2	24.0	7.9	22.5	6.7	90.0	4.1	4.6					
					Bottom	6.4	1	24.0	7.9	21.1	6.7	89.4	4.3	2.5					
TCE-WQMA	Cloudy	Moderate	9:21	10.8	Surface	1.0	1	24.0	7.9	21.1	6.7	89.4	4.3	2.5	6.7	5.3	6.2		
					Surface	1.0	2	24.0	7.9	21.1	6.7	89.4	4.3	2.5					
					Bottom	9.8	1	24.0	7.9	21.8	6.8	89.0	4.8	2.9					
TCE-WQMA	Cloudy	Calm	9:40	4.3	Surface	1.0	1	24.0	7.9	22.8	6.6	88.2	4.7	3.9	6.6	3.0	2.4		
					Surface	1.0	2	24.0	7.9	22.8	6.6	88.2	4.7	3.3					
					Bottom	3.3	1	24.0	7.9	20.3	6.7	89.4	3.0	2.0					
TCE-WQMA	Cloudy	Calm	9:59	3.5	Surface	1.0	1	24.0	7.9	20.8	6.6	88.7	3.3	2.2	6.6	4.4	4.2		
					Surface	1.0	2	24.0	7.9	21.5	6.6	88.5	3.5	6.2					
					Bottom	2.5	1	24.0	7.9	21.5	6.6	88.5	3.5	6.2					

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)	
13-05-2019	Mid-Ebb	TCE-C1	Fine	Moderate	9:59	8.4	Surface	1.0	1	25.8	8.1	21.7	7.7	107.0	24	2.9	7.5	5.4	3.4	
							Middle	4.2	1	24.6	8.1	25.8	7.2	100.1	4.7	3.8				
							Bottom	7.4	1	24.3	8.0	28.0	6.9	96.8	9.2	3.8				
							Surface	1.0	2	24.3	8.0	20.0	6.9	96.9	9.1	4.2				
							Middle	4.2	2	24.6	8.1	25.8	7.2	100.1	4.8	3.6				
							Bottom	7.4	2	24.3	8.0	28.0	6.9	96.8	9.2	3.8				
							Surface	1.0	1	24.6	8.0	23.0	7.1	97.8	1.6	2.9				
							Middle	4.2	1	24.1	7.9	25.9	6.6	92.3	1.7	2.9				
							Bottom	7.4	1	24.2	7.9	27.9	6.4	89.6	2.4	3.3				
		TCE-C2	Fine	Moderate	8:00	13.5	Surface	1.0	1	24.6	8.0	23.0	7.1	97.8	1.6	2.9	6.9	1.9	2.7	
		Middle					4.2	1	24.1	7.9	25.9	6.6	92.3	1.7	2.9					
		Bottom					7.4	1	24.2	7.9	27.9	6.4	89.6	2.4	3.3					
		Surface					1.0	2	24.3	7.9	27.5	6.4	89.6	2.4	2.8					
		Middle					4.0	2	25.4	8.1	21.1	7.5	103.4	3.6	5.2					
		Bottom					7.0	2	25.3	8.1	21.2	7.6	103.6	12.6	5.6					
		Surface					1.0	1	25.3	8.1	21.2	7.6	103.5	12.8	5.6					
		Middle					4.0	1	25.3	8.1	21.2	7.6	103.4	3.6	5.3					
		Bottom					7.0	1	25.3	8.1	21.2	7.6	104.1	4.6	5.1					
		TCE-WQM1	Fine	Calm	9:18	8	Surface	1.0	1	25.4	8.1	21.1	7.5	103.4	3.6	5.2	6.4	7.0	5.4	
		Middle					4.0	1	25.3	8.1	21.2	7.6	103.6	12.6	5.6					
		Bottom					7.0	1	25.3	8.1	21.2	7.6	104.1	4.6	5.1					
		Surface					1.0	2	25.4	8.1	21.1	7.5	103.4	3.6	5.2					
		Middle					4.0	2	25.3	8.1	21.2	7.6	103.6	12.6	5.6					
		Bottom					7.0	2	25.3	8.1	21.2	7.6	104.1	4.6	5.1					
		Surface					1.0	1	25.3	8.1	21.2	7.6	104.0	4.7	5.3					
		Middle					3.5	1	24.7	8.0	25.7	7.0	96.0	5.8	6.1					
		Bottom					6.0	1	24.7	8.0	25.7	7.0	95.9	5.9	6.4					
		TCE-WQM2a	Fine	Moderate	8:43	7	Surface	1.0	1	24.6	8.0	25.5	6.8	94.4	3.3	5.2	7.1	4.7	5.9	
		Middle					4.0	1	25.0	8.0	21.8	7.5	99.7	4.8	6.7					
		Bottom					7.0	1	24.7	8.0	25.7	7.0	96.0	5.8	6.1					
	Surface	1.0					2	24.6	8.0	25.5	6.8	94.4	3.3	5.2						
	Middle	4.0					2	25.0	8.0	21.8	7.5	99.7	4.8	6.7						
	Bottom	7.0					2	24.7	8.0	25.7	7.0	95.9	5.9	6.4						
	Surface	1.0					1	24.6	8.0	25.5	6.8	94.4	3.3	5.2						
	Middle	4.0					1	25.3	8.1	21.2	7.6	104.0	4.7	5.3						
	Bottom	7.0					1	25.0	8.0	21.8	7.5	99.7	4.8	6.7						
	TCE-WQM2b	Fine	Moderate	8:30	10.8	Surface	1.0	1	25.2	8.1	19.3	7.6	103.2	6.8	4.8	7.8	5.4	4.2		
	Middle					3.4	1	25.1	8.1	19.3	7.6	103.3	6.6	4.2						
	Bottom					9.8	1	24.8	8.0	21.6	7.1	97.2	5.0	5.0						
	Surface					1.0	2	24.8	8.0	21.6	7.0	95.9	3.7	5.5						
	Middle					3.4	2	25.1	8.1	19.3	7.6	103.3	6.6	4.2						
	Bottom					9.8	2	24.8	8.0	21.6	7.1	97.2	5.0	5.0						
	Surface					1.0	1	24.8	8.0	21.6	7.0	95.9	3.7	5.5						
	Middle					3.0	1	24.8	8.0	22.0	6.9	94.7	17.6	19.9						
	Bottom					3.0	2	24.8	8.0	22.0	6.9	94.7	17.6	19.9						
	TCE-WQM3a	Fine	Calm	8:54	4	Surface	1.0	1	24.8	8.0	21.6	7.0	95.9	3.7	5.5	7.0	10.7	12.5		
	Middle					3.0	1	24.8	8.0	22.0	6.9	94.7	17.6	19.9						
	Bottom					3.0	2	24.8	8.0	22.0	6.9	94.7	17.6	19.9						
	Surface					1.0	1	25.2	8.1	20.9	7.7	104.7	1.8	2.4						
	Middle					3.0	1	25.2	8.1	20.9	7.7	104.7	1.8	2.4						
	Bottom					2.5	1	25.1	8.1	21.1	7.6	104.0	7.8	13.0						
	Surface					1.0	2	24.8	8.0	22.0	6.9	94.7	17.6	19.9						
	Middle					3.0	2	24.8	8.0	22.0	6.9	94.7	17.6	19.9						
	Bottom					2.5	2	25.1	8.1	21.1	7.6	104.0	7.8	13.0						
	TCE-WQM4	Fine	Calm	9:06	3.5	Surface	1.0	1	25.2	8.1	20.9	7.7	104.7	1.8	2.4	7.7	4.8	8.0		
	Middle					3.0	1	25.2	8.1	20.9	7.7	104.7	1.8	2.4						
	Bottom					2.5	1	25.1	8.1	21.1	7.6	103.9	7.8	13.6						
	Surface					1.0	1	26.1	8.1	23.0	8.0	113.0	2.9	5.0						
	Middle					4.3	1	25.3	8.1	25.3	7.6	107.0	3.0	4.6						
	Bottom					7.6	1	25.3	8.1	27.4	7.1	101.0	3.4	4.1						
	Surface					1.0	2	25.2	8.1	27.4	7.1	101.0	3.4	3.8						
	Middle					4.3	2	25.5	8.2	21.9	8.2	113.5	3.5	5.6						
	Bottom					7.6	2	25.3	8.2	21.9	8.2	113.5	3.5	5.6						
	13-05-2019	Mid-Flood	TCE-C1	Fine	Moderate	12:05	8.6	Surface	1.0	1	26.1	8.1	23.0	8.0	113.0	2.9	5.0	7.1	3.1	4.5
								Middle	4.3	1	25.3	8.1	25.3	7.6	107.0	3.0	4.6			
								Bottom	7.6	1	25.3	8.1	27.4	7.1	101.0	3.4	4.1			
								Surface	1.0	2	25.2	8.1	27.4	7.1	101.0	3.4	3.8			
								Middle	4.3	2	25.5	8.2	21.9	8.2	113.5	3.5	5.6			
								Bottom	7.6	2	25.3	8.2	21.9	8.2	113.5	3.5	5.6			
								Surface	1.0	1	25.3	8.1	22.6	8.1	111.2	4.0	5.3			
								Middle	4.3	1	25.3	8.2	22.8	8.1	112.5	3.5	6.0			
								Bottom	12.2	1	25.3	8.2	22.8	8.1	112.5	3.4	5.2			
			TCE-C2	Fine	Moderate	14:15	13.2	Surface	1.0	1	25.3	8.2	22.6	8.1	111.2	4.0	5.3	8.1	3.6	5.5
			Middle					4.3	1	25.3	8.2	22.8	8.1	112.5	3.5	6.0				
			Bottom					12.2	1	25.3	8.2	22.8	8.1	112.5	3.4	5.2				
			Surface					1.0	2	26.9	8.2	21.1	8.6	120.7	2.6	3.9				
			Middle					4.3	2	26.8	8.2	21.1	8.6	120.4	2.7	3.9				
			Bottom					7.5	2	25.7	8.2	20.8	8.7	119.8	3.8	8.1				
			Surface					1.0	1	26.5	8.2	22.5	8.1	114.4	3.1	8.1				
			Middle					4.3	1	25.7	8.2	20.8	8.7	119.8	3.8	8.1				
			Bottom					7.5	1	25.7	8.2	20.8	8.7	119.8	3.8	8.1				
			TCE-WQM1	Fine	Calm	12:58	8.5	Surface	1.0	1	26.9	8.2	21.1	8.6	120.7	2.6	3.9	8.6	3.2	6.6
			Middle					4.3	1	25.7	8.2	20.8	8.7	119.8	3.8	8.1				
			Bottom					7.5	2	25.7	8.2	20.8	8.7	119.8	3.8	8.1				
			Surface					1.0	2	26.8	8.2	21.1	8.6	120.4	2.7	3.9				
			Middle					4.3	2	25.7	8.2	20.8	8.7	119.8	3.8	8.1				
			Bottom					7.5	1	26.5	8.2	22.5	8.1	114.4	3.1	8.1				
			Surface					1.0	1	25.8	8.3	20.9	8.7	119.6	3.5	4.4				
			Middle					3.5	1	25.6	8.2	21.2	8.7	120.1	3.4	4.4				
			Bottom					6.0	1	25.4	8.2	21.1	8.7	119.7	3.5	4.9				
			TCE-WQM2a	Fine	Calm	13:34	7	Surface	1.0	1	25.8	8.3	20.9	8.7	119.6	3.5	4.4	8.7	3.6	4.2
			Middle					3.5	1	25.6	8.2	21.2	8.7	120.1	3.4	4.4				
			Bottom					6.0	2	25.3	8.2	22.5	8.0	110.2	3.9	3.6				
		Surface	1.0					2	25.3	8.2	22.8	8.0	110.4	4.0	3.6					
		Middle	3.5					2	25.8	8.3	20.9	8.7	119.6	3.5	4.4					
		Bottom	6.0					1	25.3	8.2	22.5	8.0	110.2	3.9	3.6					
		Surface	1.0					1	25.2	8.2	20.9	8.1	110.5	3.0	4.0					
		Middle	5.7					1	25.2	8.2	21.6	8.1	111.7	4.0	4.1					
		Bottom	10.4					1	24.7	8.1	24.8	7.2	99.4	3.9	5.0					
		TCE-WQM2b	Fine	Moderate	13:47	11.4	Surface	1.0	1	25.2	8.2	20.9	8.1	110.5	3.0	4.0	8.1	3.7	4.4	
Middle		5.7					1	25.2	8.2	21.6	8.1	111.7	4.0	4.1						
Bottom		10.4					2	24.7	8.1	24.8	7.2	100.0	4.0	4.1						
Surface		1.0					1	25.3	8.2	20.7	8.4	114.6	4.6	5.9						
Middle		3.3					1	25.3	8.2	21.1	8.4	114.9	4.7	6.0						
Bottom		3.3					2	25.3	8.2	21.1	8.4	114.9	4.7	6.0						
Surface		1.0					2	25.3	8.2	21.1	8.4	115.0	5.3	8.4						
Middle		3.3					2	25.3	8.2	21.1	8.4	115.0	5.3	8.4						
Bottom		2.7					1	25.4	8.2	20.8	8.4	115.5	3.4	5.1						
TCE-WQM3a		Fine	Calm	13:23	4.3	Surface	1.0	1	25.3	8.2	20.7	8.4	114.6	4.6	5.9	8.4	5.0	7.3		
Middle						3.3	1	25.3	8.2	21.1	8.4	114.9	4.7	6.0						
Bottom						3.3	2	25.3	8.2	21.1	8.4	115.0	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)	
15-05-2019	Mid-Ebb	TCE-C1	Fine	Moderate	12:06	8.7	Surface	1.0	1	26.5	8.4	20.9	10.1	141.7	3.6	11.4	8.8	6.0	11.9	
							Middle	4.4	1	25.6	8.1	25.4	7.5	106.5	5.2	12.3				
							Bottom	7.2	1	25.6	8.1	25.4	7.5	106.4	5.2	12.6				
							Surface	1.0	2	26.5	8.4	20.9	10.1	141.5	3.6	11.8				
							Middle	4.4	2	25.6	8.1	25.4	7.5	106.5	5.2	12.3				
							Bottom	7.2	2	26.5	8.4	20.9	10.1	141.6	3.6	11.8				
		TCE-C2	Fine	Moderate	9:45	13.4	Surface	1.0	1	25.8	8.2	22.4	8.9	123.7	4.4	9.2	8.1	5.1	9.8	
		Middle					6.7	1	25.1	8.1	25.8	7.3	102.7	5.7	10.7					
		Bottom					12.4	1	25.1	8.1	27.1	7.1	100.7	5.2	9.0					
		Surface					1.0	2	26.3	8.2	21.1	8.5	118.1	10.5	18.9					
		Middle					6.7	2	25.1	8.1	25.8	7.3	102.6	5.7	10.6					
		Bottom					12.4	2	25.1	8.1	27.1	7.1	100.7	5.2	9.0					
		TCE-WQM1	Fine	Calm	11:09	8.5	Surface	1.0	1	26.1	8.2	21.1	8.5	118.1	10.5	18.9	7.1	10.6	18.5	
		Middle					4.3	1	26.5	8.5	20.9	8.5	119.2	9.8	17.7					
		Bottom					7.5	1	26.4	8.3	21.2	8.5	119.1	11.3	18.0					
		Surface					1.0	2	26.4	8.3	21.3	8.5	119.2	11.4	17.5					
		Middle					4.3	2	26.3	8.3	21.3	8.4	119.6	4.6	11.1					
		Bottom					7.5	2	26.1	8.2	21.1	8.5	118.1	10.5	20.0					
		TCE-WQM2a	Fine	Moderate	10:33	7.0	Surface	1.0	1	26.3	8.3	21.3	9.4	131.6	4.6	11.5	9.1	5.4	11.8	
		Middle					3.5	1	26.4	8.3	22.2	8.8	123.5	6.1	12.7					
		Bottom					6.0	1	26.3	8.3	22.2	8.8	123.5	6.1	12.0					
		Surface					1.0	2	26.4	8.3	21.3	8.5	119.2	11.4	17.5					
		Middle					3.5	2	26.3	8.3	21.3	9.4	131.6	4.6	11.5					
		Bottom					6.0	2	26.3	8.3	22.2	8.8	123.5	6.1	12.0					
	TCE-WQM2b	Fine	Moderate	10:20	11.0	Surface	1.0	1	26.4	8.3	22.2	8.7	121.6	5.4	11.6	8.6	4.7	10.8		
	Middle					5.5	1	25.9	8.2	20.2	7.9	108.9	4.6	11.9						
	Bottom					10.0	1	25.7	8.2	21.1	7.9	108.7	4.6	11.6						
	Surface					1.0	2	26.4	8.3	22.2	8.8	123.5	6.1	12.0						
	Middle					5.5	2	25.9	8.2	20.2	7.9	108.9	4.6	11.9						
	Bottom					10.0	2	25.7	8.2	21.1	7.8	107.5	5.6	11.4						
	TCE-WQM3A	Fine	Calm	10:46	4.2	Surface	1.0	1	26.0	8.2	21.7	8.2	114.8	7.1	12.0	8.2	8.1	13.1		
	Middle					3.2	1	26.1	8.2	22.6	7.8	108.7	9.0	14.1						
	Bottom					3.2	2	26.3	8.2	22.6	7.8	108.9	9.1	15.1						
	Surface					1.0	2	26.9	8.4	20.8	10.3	145.2	3.1	15.8						
	Middle					3.2	2	26.1	8.2	21.7	8.2	114.7	7.1	11.0						
	Bottom					3.2	2	26.3	8.2	22.6	7.8	108.9	9.1	15.1						
	TCE-WQM4	Fine	Calm	10:58	3.9	Surface	1.0	1	26.9	8.4	20.8	10.3	145.2	3.1	15.8	10.3	4.6	14.6		
	Middle					2.9	1	26.6	8.4	21.5	9.8	137.7	6.2	14.3						
	Bottom					2.9	2	26.6	8.4	21.5	9.8	137.7	6.2	14.3						
	Surface					1.0	2	26.9	8.4	20.8	10.3	145.2	3.1	15.8						
	Middle					2.9	2	26.6	8.4	21.5	9.8	137.7	6.2	14.3						
	Bottom					2.9	2	26.6	8.4	21.5	9.8	137.7	6.2	14.3						
	15-05-2019	Mid-Flood	TCE-C1	Fine	Moderate	14:41	8.7	Surface	1.0	1	26.7	8.3	14.6	9.1	123.0	2.7	11.3	9.3	4.3	12.2
								Middle	4.4	1	26.4	8.3	19.6	8.1	111.1	3.7	12.4			
								Bottom	7.2	1	26.4	8.3	19.6	9.4	130.9	3.7	12.2			
								Surface	1.0	2	26.7	8.3	14.6	9.1	123.0	2.7	11.3			
								Middle	4.4	2	25.9	8.2	23.8	8.4	118.3	6.4	13.5			
								Bottom	7.2	2	25.9	8.2	23.8	8.4	118.3	6.4	12.7			
TCE-C2			Fine	Moderate	16:44	13.2	Surface	1.0	1	25.8	8.2	22.7	8.0	111.5	4.1	9.0	8.4	5.1	10.6	
Middle							6.6	1	25.3	8.2	25.1	8.0	111.4	4.2	9.4					
Bottom							12.2	1	25.9	8.2	25.3	8.0	112.8	6.6	13.2					
Surface							1.0	2	27.4	8.4	19.7	10.4	147.0	5.5	12.5					
Middle							4.2	2	27.3	8.4	19.7	10.4	146.9	5.6	12.0					
Bottom							7.3	2	27.1	8.4	20.6	10.2	144.3	5.9	11.4					
TCE-WQM2a			Fine	Moderate	16:01	7.7	Surface	1.0	1	26.7	8.4	20.8	10.3	144.9	4.4	13.4	10.0	6.2	12.3	
Middle							3.9	1	26.5	8.4	21.1	9.9	139.2	6.0	13.3					
Bottom							6.7	1	25.7	8.3	23.3	8.2	114.6	9.4	16.8					
Surface							1.0	2	26.7	8.4	20.8	10.3	144.9	4.4	13.4					
Middle							3.9	2	26.5	8.4	21.1	9.9	139.2	6.0	13.3					
Bottom							6.7	2	25.7	8.3	23.3	8.2	114.6	9.4	17.1					
TCE-WQM2b			Fine	Moderate	16:12	11.5	Surface	1.0	1	26.2	8.3	21.4	9.6	134.4	3.7	9.3	8.2	6.6	14.4	
Middle							5.8	1	26.0	8.3	22.0	8.8	123.3	6.2	13.7					
Bottom							10.5	1	25.7	8.3	23.7	8.1	114.0	14.4	22.6					
Surface							1.0	2	26.9	8.5	20.9	10.3	145.2	4.7	13.3					
Middle							5.8	2	26.0	8.3	22.0	8.8	123.0	6.3	13.3					
Bottom							10.5	2	25.7	8.3	23.7	8.2	114.3	14.4	22.7					
TCE-WQM3A		Fine	Calm	15:50	4.7	Surface	1.0	1	26.9	8.5	20.9	10.3	145.2	4.7	13.3	10.3	5.4	14.8		
Middle						3.7	1	26.3	8.4	21.4	10.0	139.7	6.1	17.0						
Bottom						3.7	2	26.3	8.4	21.4	10.0	139.8	6.1	16.4						
Surface						1.0	2	26.9	8.5	20.9	10.3	145.2	4.7	13.3						
Middle						3.7	2	26.3	8.4	21.4	10.0	139.7	6.1	17.0						
Bottom						3.7	2	26.3	8.4	21.4	10.0	139.8	6.1	16.4						
TCE-WQM4		Fine	Calm	15:39	4.4	Surface	1.0	1	26.6	8.4	20.8	9.9	138.9	6.1	14.6	9.9	8.1	18.2		
Middle						3.4	1	26.5	8.4	21.1	9.6	134.9	9.9	20.9						
Bottom						3.4	2	26.5	8.4	21.1	9.6	134.9	9.9	20.9						
Surface						1.0	2	26.6	8.4	20.8	9.9	138.9	6.1	14.6						
Middle						3.4	2	26.5	8.4	21.1	9.6	134.9	9.9	20.9						
Bottom						3.4	2	26.5	8.4	21.1	9.6	134.9	10.1	20.8						

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)	
17-05-2019	Mid-Ebb	TCE-C1	Sunny	Moderate	13:43	8.7	Surface	1.0	1	27.2	8.1	19.5	7.4	103.6	2.6	2.9	7.3	3.6	3.9	
							Middle	4.4	1	28.0	8.1	19.7	7.3	104.3	4.6	4.9				
							Bottom	7.7	2	27.0	8.1	20.7	7.2	103.9	3.2	3.8				
		TCE-C2	Sunny	Moderate	11:30	13.4	Surface	1.0	1	26.9	8.1	20.7	7.3	103.0	2.9	4.1	7.3	2.9	3.5	
							Middle	6.7	2	26.5	8.1	21.3	7.3	102.6	2.8	3.0				
							Bottom	12.4	1	26.5	8.0	21.3	7.3	102.7	3.2	3.9				
		TCE-WQM1	Sunny	Calm	12:59	8.5	Surface	1.0	1	26.5	8.1	18.1	7.3	102.3	4.7	3.4	7.3	6.5	7.2	
							Middle	4.3	2	27.3	8.1	18.1	7.3	102.3	4.9	4.7				
							Bottom	7.5	1	27.0	8.1	18.8	7.3	101.7	5.5	7.2				
		TCE-WQM2a	Sunny	Moderate	12:21	7.0	Surface	1.0	1	27.0	8.1	21.8	7.3	102.6	3.5	4.8	7.3	4.3	5.4	
							Middle	3.5	1	27.0	8.1	21.7	7.3	103.3	4.3	5.5				
							Bottom	6.0	2	27.0	8.1	21.7	7.3	103.3	4.4	5.3				
		TCE-WQM2b	Sunny	Moderate	12:08	11.0	Surface	1.0	1	26.7	8.1	19.7	7.2	100.5	2.5	3.6	7.2	3.1	3.9	
							Middle	5.5	1	26.7	8.1	19.8	7.2	100.5	3.3	3.8				
							Bottom	10.0	2	26.6	8.1	19.8	7.2	100.5	3.6	3.6				
	TCE-WQM3A	Sunny	Calm	12:34	4.2	Surface	1.0	1	27.0	8.2	21.1	7.4	103.9	5.0	6.3	7.4	6.2	8.2		
						Middle	3.2	2	27.0	8.1	21.6	7.2	104.0	5.0	6.7					
						Bottom	1.0	1	27.0	8.1	21.9	7.3	103.4	5.2	6.5					
	TCE-WQM4	Sunny	Calm	12:46	3.9	Surface	1.0	1	27.2	8.1	19.9	7.3	103.2	4.8	9.7	7.3	6.7	10.2		
						Middle	2.9	1	27.2	8.2	20.4	7.4	103.2	4.8	9.7					
						Bottom	2.9	1	27.5	8.2	20.4	7.4	104.5	8.6	10.7					
	17-05-2019	Mid-Flood	TCE-C1	Sunny	Moderate	16:40	8.5	Surface	1.0	1	27.4	8.1	19.9	7.2	102.0	2.7	5.3	7.2	2.8	4.7
								Middle	4.3	1	27.4	8.1	19.9	7.2	102.3	2.8	4.7			
								Bottom	7.5	2	27.6	8.1	20.2	7.3	103.1	2.8	4.6			
			TCE-C2	Sunny	Moderate	18:44	13.1	Surface	1.0	1	26.2	8.1	22.8	7.0	98.6	2.7	2.8	7.0	3.6	4.8
								Middle	6.6	1	26.2	8.1	23.5	7.0	97.8	3.5	5.9			
								Bottom	12.1	1	25.6	8.1	26.3	6.7	95.5	4.4	5.7			
			TCE-WQM1	Sunny	Calm	17:22	8.2	Surface	1.0	1	27.8	8.1	20.6	7.3	103.6	7.1	9.5	7.3	7.7	10.5
								Middle	4.1	1	27.4	8.1	20.8	7.3	103.5	7.8	11.3			
								Bottom	7.2	2	27.4	8.1	20.8	7.3	103.5	7.9	10.8			
			TCE-WQM2a	Sunny	Moderate	18:00	7.4	Surface	1.0	1	27.3	8.1	21.1	7.3	103.0	5.9	5.6	7.2	6.3	6.2
								Middle	3.7	1	26.8	8.1	21.2	7.2	101.8	5.7	5.2			
								Bottom	6.4	1	26.5	8.1	21.6	7.0	98.4	6.8	7.1			
			TCE-WQM2b	Sunny	Moderate	18:10	11.3	Surface	1.0	1	26.5	8.1	21.6	7.0	98.4	6.8	8.0	7.0	2.8	3.8
								Middle	5.7	1	26.5	8.1	21.2	7.1	99.9	2.5	3.4			
								Bottom	10.3	2	26.7	8.1	21.4	7.0	99.0	3.3	3.7			
		TCE-WQM3A	Sunny	Calm	17:48	4.5	Surface	1.0	1	27.4	8.2	21.1	7.5	106.3	2.6	4.9	7.5	4.0	5.3	
							Middle	3.5	1	27.2	8.2	21.2	7.5	106.1	5.4	5.8				
							Bottom	3.5	1	27.2	8.2	21.2	7.5	106.0	5.5	5.2				
		TCE-WQM4	Sunny	Calm	17:36	4.2	Surface	1.0	1	27.5	8.1	21.2	7.3	103.9	11.4	18.4	7.3	13.7	21.3	
							Middle	2	27.3	8.1	21.2	7.3	103.9	11.4	19.0					
							Bottom	3.2	1	27.4	8.1	21.4	7.3	103.6	16.0	23.7				

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)
20-05-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:13	7.7	Surface	1.0	1	20.6	8.1	19.9	7.0	103.2	2.1	2.6	7.0	2.0	1.4
							Middle	0.9	2	20.6	8.1	19.9	7.0	103.2	2.1	1.8			
							Bottom	6.7	1	20.3	8.1	25.8	6.6	96.9	4.3	5.6			
		Surface	1.0	2	20.3	8.1	20.8	6.6	99.0	4.3	5.1								
		Middle	0.4	1	27.5	8.1	21.1	7.3	103.6	2.0	2.3								
		Bottom	11.5	1	27.8	8.2	21.2	7.4	105.7	1.9	2.4								
	TCE-C2	Cloudy	Moderate	14:08	12.8	Surface	1.0	1	20.7	8.1	21.1	7.3	103.3	2.4	3.7	7.3	2.0	2.3	
						Middle	0.4	1	27.5	8.1	21.1	7.3	104.2	2.0	2.6				
						Bottom	11.5	1	27.5	8.1	21.1	7.3	104.2	2.1	2.2				
	TCE-WQM1	Cloudy	Calm	13:01	9.0	Surface	1.0	1	20.7	8.1	21.0	7.2	103.3	2.4	3.7	7.4	2.5	4.2	
						Middle	0.5	1	28.2	8.1	20.8	7.2	103.8	2.3	4.6				
						Bottom	8.0	1	28.7	8.1	21.6	7.2	106.1	2.6	4.8				
TCE-WQM2	Cloudy	Moderate	13:35	7.1	Surface	1.0	1	27.8	8.2	21.6	7.4	106.5	2.1	3.8	7.2	2.4	1.5		
					Middle	1.6	2	27.5	8.2	21.1	7.4	105.7	2.1	3.9					
					Bottom	6.1	1	27.8	8.2	21.3	7.4	106.0	2.6	3.4					
TCE-WQM3	Cloudy	Moderate	13:47	10.5	Surface	1.0	1	27.8	8.2	21.3	7.4	106.0	2.5	4.4	7.4	2.4	1.5		
					Middle	1.6	2	27.8	8.1	20.9	7.2	105.5	2.1	3.2					
					Bottom	9.5	1	27.8	8.1	21.4	7.4	106.3	8.2	7.8					
TCE-WQM4	Cloudy	Calm	13:24	3.9	Surface	1.0	1	28.0	8.1	21.2	7.4	106.3	3.8	5.0	7.4	5.0	7.2		
					Middle	2.9	2	28.0	8.1	21.6	7.2	106.2	8.1	9.3					
					Bottom	2.9	1	28.0	8.1	21.6	7.2	106.3	8.2	9.2					
TCE-WQM5	Cloudy	Calm	13:12	5.2	Surface	1.0	1	28.5	8.2	21.3	7.4	107.1	4.8	7.4	7.6	3.6	1.2		
					Middle	2.2	1	28.4	8.2	21.4	7.4	107.2	2.4	3.3					
					Bottom	2.2	1	28.4	8.2	21.4	7.4	107.2	2.4	3.3					
20-05-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	8:34	7.8	Surface	1.0	1	27.2	8.0	19.8	6.9	98.4	2.0	2.8	6.8	4.5	1.9
							Middle	0.9	1	26.8	8.0	19.9	6.9	94.9	3.4	4.9			
							Bottom	6.8	1	26.5	8.0	23.8	6.5	92.6	6.2	11.2			
		Surface	1.0	2	28.9	7.9	21.1	6.8	96.8	1.5	2.0								
		Middle	0.7	1	27.0	7.7	21.5	6.9	96.5	1.9	2.8								
		Bottom	12.4	1	26.9	7.7	22.5	6.7	95.8	1.7	4.2								
	TCE-C2	Cloudy	Moderate	6:38	13.4	Surface	1.0	1	27.1	7.8	21.1	6.8	96.8	1.5	2.0	6.5	1.7	1.3	
						Middle	0.7	1	27.0	7.7	21.5	6.9	96.5	1.9	2.8				
						Bottom	12.4	1	26.9	7.7	22.5	6.7	95.8	1.7	4.2				
	TCE-WQM1	Cloudy	Calm	7:48	9.6	Surface	1.0	1	27.6	8.1	21.1	7.0	99.8	2.8	5.0	7.0	3.7	1.0	
						Middle	4.8	1	27.6	8.1	21.2	7.0	99.8	3.8	5.6				
						Bottom	8.6	2	27.7	8.0	21.2	7.0	99.7	3.6	6.2				
TCE-WQM2	Cloudy	Moderate	7:14	7.2	Surface	1.0	1	27.4	8.0	20.2	7.0	98.4	1.0	1.8	7.0	1.8	2.2		
					Middle	0.6	1	27.4	8.0	20.2	7.0	98.4	1.0	1.3					
					Bottom	6.5	1	27.1	8.0	21.9	6.8	96.2	2.3	1.5					
TCE-WQM3	Cloudy	Moderate	7:01	10.7	Surface	1.0	1	27.2	8.0	21.0	6.9	96.3	2.5	1.4	6.8	1.5	1.4		
					Middle	0.4	1	27.1	8.0	21.5	6.8	96.3	3.7	2.1					
					Bottom	9.7	1	27.1	8.0	21.5	6.8	96.3	3.7	4.4					
TCE-WQM4	Cloudy	Calm	7:26	4.1	Surface	1.0	1	27.1	8.0	21.7	6.9	96.0	4.1	5.0	6.8	2.8	3.4		
					Middle	1.0	1	27.1	8.0	21.5	6.9	96.0	3.6	2.8					
					Bottom	3.1	1	27.4	8.0	20.7	6.9	96.2	4.1	4.7					
TCE-WQM5	Cloudy	Calm	7:37	3.3	Surface	1.0	1	27.4	8.0	20.2	7.0	99.2	1.1	2.4	6.9	2.2	2.9		
					Middle	2.1	1	27.3	8.0	20.9	6.9	98.2	3.3	3.8					
					Bottom	2.3	2	27.3	8.0	20.9	6.9	98.2	3.3	3.8					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
22-05-2019	Mid-Ebb	TCE-C1	Fine	Moderate	13:32	9.1	Surface	1.0	1	28.1	7.8	23.8	6.9	100.5	2.0	3.2	6.9	1.9	3.3	
							Middle	4.6	1	28.6	7.8	23.7	6.9	101.9	1.8	3.4				
							Bottom	8.1	1	28.6	7.8	23.7	6.9	101.9	1.8	3.7				
							Surface	1.0	2	28.2	7.8	23.8	6.9	100.6	2.0	3.4				
							Middle	4.6	2	28.6	7.8	23.7	6.9	101.9	1.8	3.4				
							Bottom	8.1	2	28.6	7.8	23.7	6.9	101.9	1.8	3.7				
		TCE-C2	Fine	Moderate	15:29	13.7	Surface	1.0	1	27.0	8.1	22.1	7.5	106.9	1.4	2.1	7.2	7.7	3.1	
							Middle	6.9	1	27.0	8.1	22.1	7.5	106.8	1.4	2.2				
							Bottom	12.7	1	26.0	8.1	25.3	6.6	93.1	16.6	4.7				
							Surface	1.0	2	26.3	8.1	24.3	6.8	98.1	4.2	2.8				
							Middle	6.9	2	26.2	8.1	24.3	6.8	96.1	4.2	2.4				
							Bottom	12.7	2	26.0	8.1	25.3	6.6	93.1	16.6	4.7				
		TCE-WQM1	Fine	Calm	14:16	9.6	Surface	1.0	1	26.1	7.9	24.5	6.7	98.9	3.0	6.1	6.5	5.5	6.5	
							Middle	4.8	1	26.0	7.9	24.4	6.6	93.4	4.7	6.3				
							Bottom	9.6	1	25.9	7.9	24.5	6.5	89.7	8.7	6.4				
							Surface	1.0	2	26.3	8.1	24.6	6.8	102.7	2.0	6.0				
							Middle	4.8	2	26.1	7.9	24.3	6.7	94.9	5.0	7.1				
							Bottom	9.6	2	26.0	7.9	24.4	6.6	93.4	4.7	6.3				
		TCE-WQM2a	Fine	Moderate	14:32	8.1	Surface	1.0	1	26.3	8.1	24.6	7.9	112.3	2.0	5.0	7.8	2.2	4.6	
							Middle	4.1	1	26.2	8.1	24.9	7.7	109.7	2.3	4.5				
							Bottom	7.1	1	26.2	8.1	24.9	7.7	109.5	2.3	4.9				
							Surface	1.0	2	26.4	8.1	25.0	7.7	109.7	2.3	4.5				
							Middle	4.1	2	26.2	8.1	24.9	7.7	109.7	2.3	4.5				
							Bottom	7.1	2	25.8	8.0	26.3	6.7	95.8	2.5	3.9				
	TCE-WQM2b	Fine	Moderate	15:06	11.8	Surface	1.0	1	26.3	8.0	24.2	7.0	98.7	3.9	3.6	6.8	9.4	8.7		
						Middle	5.9	1	26.2	8.0	24.5	6.8	94.3	7.4	7.7					
						Bottom	10.8	1	26.2	8.0	24.6	6.6	93.3	7.6	4.2					
						Surface	1.0	2	26.4	8.1	24.6	6.8	102.7	2.0	6.0					
						Middle	5.9	2	26.2	8.0	24.5	6.8	94.3	7.4	7.7					
						Bottom	10.8	2	26.2	8.0	24.6	6.6	93.3	7.6	4.2					
	TCE-WQM3A	Fine	Calm	14:41	3.6	Surface	1.0	1	26.6	8.1	23.2	7.8	110.1	2.7	5.0	7.8	2.9	5.1		
						Middle	3.6	1	26.6	8.1	23.2	7.8	109.9	2.7	6.0					
						Bottom	3.6	1	26.6	8.1	23.2	7.7	109.7	3.2	4.5					
						Surface	1.0	2	26.8	8.1	22.9	7.9	112.3	1.8	4.4					
						Middle	3.6	2	26.6	8.1	23.2	7.7	109.7	3.2	4.5					
						Bottom	3.6	2	26.6	8.1	23.2	7.7	109.7	3.2	4.8					
	TCE-WQM4	Fine	Calm	14:29	4.3	Surface	1.0	1	26.8	8.1	22.9	7.9	112.3	1.8	4.4	7.9	7.8	2.6		
						Middle	4.3	1	26.8	8.1	22.9	7.9	112.4	1.8	3.8					
						Bottom	4.3	1	26.8	8.1	22.9	7.9	112.4	1.8	3.8					
						Surface	1.0	2	26.4	8.1	23.5	8.0	113.6	3.3	4.1					
						Middle	4.3	2	26.4	8.1	23.5	8.0	113.5	3.3	5.1					
						Bottom	4.3	2	26.4	8.1	23.5	8.0	113.5	3.3	5.1					
	22-05-2019	Mid-Flood	TCE-C1	Fine	Moderate	9:37	8.8	Surface	1.0	1	26.2	8.1	22.5	6.7	94.8	2.2	4.1	6.7	2.6	4.5
								Middle	4.4	1	26.2	8.1	22.5	6.7	94.8	2.2	5.1			
								Bottom	7.8	1	26.4	8.1	23.6	6.7	95.0	2.9	5.0			
								Surface	1.0	2	26.4	8.1	23.6	6.7	95.1	2.8	4.4			
								Middle	4.4	2	26.3	8.1	23.2	6.7	95.2	2.7	3.8			
								Bottom	7.8	2	26.5	8.1	23.2	6.7	95.2	2.7	4.5			
TCE-C2			Fine	Moderate	7:40	13.6	Surface	1.0	1	26.1	8.0	22.0	6.8	95.5	1.7	2.6	6.9	1.8	2.9	
							Middle	6.8	1	26.0	8.0	21.6	6.8	95.8	1.6	3.2				
							Bottom	12.6	1	26.0	8.0	22.7	6.8	94.8	2.0	2.4				
							Surface	1.0	2	26.1	8.0	22.0	6.8	95.5	1.7	2.6				
							Middle	6.8	2	26.1	8.0	22.0	6.8	95.5	1.7	2.6				
							Bottom	12.6	2	26.0	8.0	21.6	6.9	95.8	1.6	2.5				
TCE-WQM1			Fine	Calm	8:49	7.7	Surface	1.0	1	26.3	8.1	22.6	7.1	99.7	1.9	2.5	7.1	2.0	3.1	
							Middle	3.9	1	26.3	8.1	22.6	7.1	99.6	2.0	2.6				
							Bottom	6.7	1	26.3	8.1	22.6	7.1	99.5	2.0	2.5				
							Surface	1.0	2	26.4	8.1	22.6	7.0	99.0	2.0	3.8				
							Middle	3.9	2	26.3	8.1	22.6	7.1	99.5	2.0	2.5				
							Bottom	6.7	2	26.4	8.1	22.6	7.0	99.0	2.0	3.8				
TCE-WQM2a			Fine	Moderate	8:16	7.9	Surface	1.0	1	26.2	8.1	22.6	7.0	98.6	1.6	3.0	7.0	1.9	2.9	
							Middle	4.0	1	26.1	8.1	22.6	7.0	98.7	1.6	3.3				
							Bottom	6.9	1	26.2	8.1	22.7	7.1	99.3	2.4	2.3				
							Surface	1.0	2	26.3	8.1	22.6	7.0	98.6	1.6	3.0				
							Middle	4.0	2	26.2	8.1	22.6	7.0	98.6	1.6	3.3				
							Bottom	6.9	2	26.1	8.1	22.6	7.0	98.7	1.6	3.3				
TCE-WQM2b		Fine	Moderate	8:04	12.1	Surface	1.0	1	26.3	8.0	23.5	6.6	92.9	1.8	3.2	6.6	1.9	3.3		
						Middle	6.1	1	26.2	8.0	23.4	6.6	92.9	1.9	3.4					
						Bottom	11.1	1	26.3	8.1	23.9	6.5	92.6	2.0	3.3					
						Surface	1.0	2	26.3	8.1	22.9	7.0	98.5	1.8	3.3					
						Middle	6.1	2	26.3	8.1	22.9	7.0	98.5	1.9	3.7					
						Bottom	11.1	2	26.3	8.1	23.9	6.5	92.6	2.0	3.3					
TCE-WQM3A		Fine	Calm	8:27	4.1	Surface	1.0	1	26.3	8.1	22.9	7.0	98.5	1.8	3.3	7.0	2.0	3.2		
						Middle	4.1	1	26.3	8.1	22.9	7.0	98.5	1.9	3.7					
						Bottom	4.1	1	26.3	8.1	22.9	7.0	98.5	1.9	3.7					
						Surface	1.0	2	26.2	8.1	23.0	7.0	98.7	2.2	2.9					
						Middle	4.1	2	26.2	8.1	23.0	7.0	98.7	2.2	2.9					
						Bottom	4.1	2	26.2	8.1	23.0	7.0	98.7	2.2	2.9					
TCE-WQM4		Fine	Calm	8:37	3.2	Surface	1.0	1	26.1	8.1	23.1	6.9	97.7	1.6	2.1	6.9	1.8	2.7		
						Middle	3.2	1	26.1	8.1	23.1	6.9	97.7	1.6	2.1					
						Bottom	3.2	1	26.2	8.1	23.1	7.0	98.2	2.0	3.6					
						Surface	1.0	2	26.1	8.1	23.1	6.9	97.7	1.6	2.1					
						Middle	3.2	2	26.2	8.1	23.1	7.0	98.2	2.0	3.6					
						Bottom	3.2	2	26.2	8.1	23.1	7.0	98.2	2.1	2.9					

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)
24-05-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	14:55	8.9	Surface	1.0	1	26.4	7.8	25.7	7.0	100.3	8.3	2.3	0.5	11.2	2.5
							Surface	1.0	2	26.4	7.8	25.7	7.0	100.1	8.4	2.4			
							Middle	4.5	2	25.8	7.8	25.9	6.1	98.4	10.9	2.1			
		Bottom	7.9	1	25.7	7.8	25.6	5.9	85.9	14.5	2.8								
		Bottom	7.9	2	25.7	7.8	25.6	5.9	85.9	14.2	3.0								
		Bottom	7.9	2	25.7	7.8	25.6	5.9	86.3	7.8	1.5								
	TCE-C2	Cloudy	Moderate	16:55	14.8	Surface	1.0	1	26.2	7.8	26.1	6.3	92.2	9.3	1.7	0.6	9.1	1.9	
						Middle	7.4	1	26.2	7.8	26.3	6.3	90.3	9.4	1.8				
						Bottom	11.5	1	25.8	7.8	26.0	5.9	84.4	10.1	2.1				
	TCE-WQM1	Cloudy	Calm	15:38	8.7	Surface	1.0	2	26.4	7.8	26.1	6.5	90.4	11.1	3.6	0.8	9.2	1.5	
						Surface	1.0	2	26.7	7.9	24.5	7.0	99.9	7.9	2.9				
						Middle	4.4	1	26.4	7.9	25.3	6.6	94.5	8.5	3.7				
TCE-WQM2	Cloudy	Moderate	16:16	7.7	Surface	1.0	1	26.1	8.0	27.6	6.5	90.4	11.2	4.1	0.3	8.4	1.3		
					Surface	1.0	2	26.4	7.9	24.2	7.0	99.2	8.2	2.8					
					Middle	3.9	2	26.4	7.9	24.2	7.0	99.2	8.4	2.9					
TCE-WQM3	Cloudy	Moderate	16:50	12.2	Surface	1.0	1	26.4	7.8	25.9	6.8	92.7	8.4	3.4	0.5	10.0	1.4		
					Middle	6.7	1	26.2	7.8	25.8	6.5	90.5	8.6	4.4					
					Bottom	11.2	1	26.3	7.8	25.6	6.0	86.5	11.8	5.2					
TCE-WQM4	Cloudy	Calm	16:04	4.5	Surface	1.0	1	26.7	7.9	25.5	7.4	105.1	6.5	3.1	7.4	9.2	4.0		
					Surface	1.0	2	26.7	7.9	25.5	7.4	104.8	6.3	3.3					
					Bottom	3.5	1	26.4	7.9	25.0	6.9	96.1	10.1	4.6					
TCE-WQM4	Cloudy	Calm	15:52	4.4	Surface	1.0	2	26.4	7.9	25.0	6.9	96.3	10.1	4.8	0.9	12.1	1.5		
					Surface	1.0	2	26.6	7.9	23.8	7.2	101.7	11.0	3.7					
					Bottom	3.6	1	26.4	7.8	24.9	6.5	89.9	13.4	5.3					
24-05-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:45	8.6	Surface	1.0	1	26.2	7.9	25.7	6.5	92.7	8.7	2.9	0.2	13.4	1.6
							Surface	1.0	2	26.4	7.9	25.9	6.5	92.7	8.4	3.2			
							Middle	4.3	1	25.8	7.9	25.8	5.9	85.4	11.9	3.9			
		Bottom	7.6	1	25.7	7.9	25.8	5.8	84.0	19.7	4.1								
		Bottom	7.6	2	25.7	7.9	25.8	5.8	84.1	19.9	4.2								
		Bottom	7.6	2	25.8	7.9	25.9	6.2	88.1	7.5	3.6								
	TCE-C2	Cloudy	Moderate	8:30	13.7	Surface	1.0	2	26.1	7.8	25.9	6.2	88.1	7.5	3.9	5.8	7.8	1.7	
						Middle	6.9	1	26.0	7.7	25.6	6.0	85.8	7.6	3.5				
						Bottom	12.7	1	25.6	7.8	25.4	5.6	80.7	8.0	3.8				
	TCE-WQM1	Cloudy	Calm	9:57	8.0	Surface	1.0	1	26.5	7.9	25.7	6.9	97.9	8.9	3.2	0.6	8.7	1.2	
						Surface	1.0	2	26.5	7.9	25.7	6.9	97.8	8.9	3.9				
						Middle	4.0	1	26.3	7.9	25.8	6.2	95.3	8.7	3.2				
TCE-WQM2	Cloudy	Moderate	9:30	7.0	Surface	1.0	1	26.2	7.9	25.6	6.9	96.8	7.8	3.1	0.4	8.2	1.5		
					Surface	1.0	2	26.4	7.8	24.2	6.4	96.5	8.4	3.4					
					Middle	7.0	2	26.1	7.9	25.3	6.4	95.5	8.4	3.2					
TCE-WQM3	Cloudy	Moderate	9:30	7.0	Surface	1.0	1	26.2	7.9	25.6	6.9	96.8	7.8	3.1	0.8	8.2	1.5		
					Surface	1.0	2	26.5	7.9	25.6	6.9	96.8	7.8	3.1					
					Middle	3.5	1	26.4	7.9	25.6	6.5	95.4	8.0	3.9					
TCE-WQM3	Cloudy	Moderate	9:06	11.7	Surface	1.0	1	26.4	7.9	24.4	6.4	90.9	8.9	1.7	0.4	8.2	2.2		
					Surface	1.0	2	26.4	7.9	24.4	6.4	90.9	8.9	1.6					
					Middle	5.9	1	26.5	7.8	23.9	6.1	87.0	8.0	2.1					
TCE-WQM3	Cloudy	Moderate	9:06	11.7	Surface	1.0	1	26.4	7.8	23.2	6.4	90.3	7.7	1.5	0.3	8.2	2.2		
					Surface	1.0	2	26.5	7.8	23.9	6.1	87.0	8.0	2.1					
					Bottom	10.7	1	25.7	7.8	23.9	5.5	78.6	8.8	2.6					
TCE-WQM4	Cloudy	Calm	9:34	4.4	Surface	1.0	1	26.7	7.8	25.9	5.5	78.6	8.8	2.9	5.5	8.8	2.9		
					Surface	1.0	2	26.6	7.9	23.7	6.0	80.9	8.4	2.8					
					Bottom	3.4	1	26.5	7.8	24.5	6.0	85.8	9.2	3.0					
TCE-WQM4	Cloudy	Calm	9:45	4.5	Surface	1.0	1	26.4	7.9	23.6	6.8	96.5	8.0	2.4	0.7	8.7	3.3		
					Surface	1.0	2	26.4	7.9	23.6	6.8	96.4	8.1	2.4					
					Bottom	3.5	1	26.4	7.9	24.2	6.7	95.2	9.3	4.1					
Bottom	3.5	2	26.4	7.9	24.2	6.7	95.2	9.5	4.2										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Repl/Rate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO2 (mg/L)	SS (mg/L)		
27-05-2017	Mid Flood	TCS-A1	Rainy	Enough	9:21	9.0	Surface	1.0	1	25.2	8.0	250	7.0	95.9	1.8	1.0	6.9	2.1	3.4	
							Mid-depth	4.0	2	25.3	8.0	250	7.9	96.7	1.8	2.0				
							Bottom	7.0	2	25.1	8.0	226	8.7	94.5	2.7	3.4				
		TCS-A2	Rainy	Enough	9:36	14.3	Surface	1.0	1	25.5	7.9	228	8.8	95.8	1.4	2.1	6.6	1.4	2.1	
							Mid-depth	4.0	2	25.9	7.9	233	8.6	93.1	1.2	3.8				
							Bottom	7.0	2	25.9	7.9	227	8.8	93.4	1.4	2.1				
		TCS-WQ2M1	Rainy	Enough	9:37	9.8	Surface	1.0	2	26.3	7.8	252	8.4	95.5	1.1	2.3	6.4	1.0	2.2	
							Mid-depth	4.0	2	26.6	8.0	211	8.8	95.5	2.1	2.3				
							Bottom	7.0	2	26.7	8.0	211	8.7	95.9	2.7	3.0				
		TCS-WQ2M2	Rainy	Enough	9:41	7.2	Surface	1.0	2	26.4	7.9	217	8.7	95.9	2.2	3.1	6.6	2.6	3.0	
							Mid-depth	4.0	2	26.6	7.9	226	8.8	95.4	1.5	3.8				
							Bottom	7.0	2	26.7	7.9	225	8.9	96.4	2.4	3.8				
		TCS-WQ2M3	Rainy	Enough	7:28	9.8	Surface	1.0	2	25.7	8.0	217	8.5	96.0	2.4	3.0	6.8	3.6	3.2	
							Mid-depth	4.0	2	25.6	8.0	211	8.7	94.9	1.1	1.4				
							Bottom	7.0	2	25.5	7.9	246	8.5	95.0	1.0	1.5				
		TCS-WQ2M4	Rainy	Enough	7:28	9.8	Surface	1.0	1	26.7	8.0	190	7.9	97.4	1.0	2.3	7.0	1.0	3.0	
							Mid-depth	4.0	1	26.7	8.0	194	8.9	96.7	2.4	2.9				
							Bottom	7.0	1	26.7	7.9	201	8.9	96.1	3.4	3.9				
		TCS-WQ2M5	Rainy	Enough	7:32	4.4	Surface	1.0	1	26.6	7.9	228	8.5	95.9	1.8	1.8	6.5	4.7	2.7	
							Mid-depth	4.0	1	26.6	7.9	226	8.5	95.9	1.6	3.2				
							Bottom	7.0	2	26.6	7.9	229	8.5	95.9	1.6	3.4				
		Mid Ebb	TCS-A1	Rainy	Enough	11:06	7.5	Surface	1.0	1	26.3	8.0	219	8.8	95.4	2.0	2.9	6.8	1.2	3.5
								Mid-depth	4.0	2	26.5	8.0	219	8.8	95.4	1.6	2.7			
								Bottom	7.0	2	26.5	7.9	220	8.9	94.7	1.4	2.7			
			TCS-A2	Rainy	Enough	11:10	15.8	Surface	1.0	1	26.1	8.0	202	7.9	95.9	1.8	2.1	6.9	2.6	2.2
								Mid-depth	4.0	2	26.1	8.0	223	8.9	95.9	1.0	2.2			
								Bottom	7.0	2	25.9	8.0	233	8.7	94.5	3.4	2.2			
			TCS-WQ2M1	Rainy	Enough	11:51	8.0	Surface	1.0	1	25.5	8.0	197	7.9	97.1	1.9	2.2	7.0	1.5	2.1
								Mid-depth	4.0	2	25.5	8.0	207	8.9	96.0	1.7	2.2			
								Bottom	7.0	2	25.5	8.0	211	8.9	96.5	1.7	2.0			
			TCS-WQ2M2	Rainy	Enough	12:29	7.8	Surface	1.0	2	25.8	8.0	211	8.9	94.0	1.8	2.3	6.7	2.0	2.8
								Mid-depth	4.0	1	25.5	7.9	210	8.7	94.0	1.7	2.7			
								Bottom	7.0	2	25.5	7.9	210	8.7	94.0	1.7	2.9			
			TCS-WQ2M3	Rainy	Enough	12:29	7.8	Surface	1.0	2	26.5	7.9	226	8.8	95.2	1.5	1.8	6.6	1.4	2.1
								Mid-depth	4.0	1	26.5	8.0	228	8.8	96.5	2.2	2.8			
								Bottom	7.0	1	26.5	8.0	218	8.8	96.1	3.5	3.2			
			TCS-WQ2M4	Rainy	Enough	12:42	10.4	Surface	1.0	2	26.3	7.9	223	8.8	95.1	1.5	1.8	6.8	1.2	2.1
								Mid-depth	4.0	1	26.6	8.0	221	8.8	95.9	2.0	1.8			
								Bottom	7.0	2	26.9	8.0	193	7.2	94.0	2.0	2.2			
			TCS-WQ2M5	Rainy	Enough	12:48	12.1	Surface	1.0	2	26.4	7.9	187	8.9	94.9	2.1	2.4	6.7	2.0	2.3
								Mid-depth	4.0	1	26.5	7.9	221	8.7	95.9	4.2	2.1			
								Bottom	7.0	2	26.1	8.0	214	8.7	94.9	4.2	2.1			
			TCS-WQ2M6	Rainy	Enough	12:05	3.6	Surface	1.0	2	26.1	8.0	214	8.7	94.1	1.5	2.2	6.9	3.2	2.4
								Mid-depth	4.0	2	26.1	7.9	212	8.8	95.2	1.9	2.7			
								Bottom	7.0	2	25.5	8.0	213	8.8	94.9	2.8	2.0			

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replate	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)	
29-05-2017	Mid Flood	TCS-A1	Cloudy	Moderate	11:37	9.8	Surface	1.0	1	26.6	8.0	241	6.5	929	4.8	2.1	0.5	1.8	1.9
							Mid-depth	4.5	2	26.6	8.0	244	6.5	926	4.7	2.5			
							Bottom	7.0	2	26.6	8.0	244	6.5	926	4.8	4.0			
		Surface	1.0	1	26.6	8.0	247	6.2	931	7.8	6.3								
		Mid-depth	4.5	2	26.6	8.0	247	6.2	931	7.8	6.3								
		Bottom	7.0	2	26.6	8.0	247	6.2	931	7.8	6.3								
	TCS-WQ2M1	Cloudy	Calm	10:36	8.4	Surface	1.0	2	26.2	7.9	257	6.1	949	3.9	1.8	0.1	1.0	1.9	
						Mid-depth	4.2	2	26.4	7.8	151	6.7	949	3.1	3.4				
						Bottom	7.4	2	26.4	7.9	173	6.8	953	3.0	2.9				
		Surface	1.0	1	26.4	8.0	181	6.5	959	2.5	2.8								
		Mid-depth	4.2	2	26.4	8.0	181	6.5	959	2.5	2.8								
		Bottom	7.4	2	26.4	8.0	181	6.5	959	2.5	2.8								
TCS-WQ2M2	Cloudy	Moderate	10:14	6.8	Surface	1.0	2	26.5	7.8	152	6.2	924	2.0	2.8	0.6	1.2	4.4		
					Mid-depth	4.4	2	26.5	7.9	157	6.6	915	2.1	1.4					
					Bottom	7.8	2	26.5	7.9	157	6.6	915	2.1	1.4					
	Surface	1.0	1	26.5	7.9	169	6.5	925	2.0	2.6									
	Mid-depth	4.4	2	26.5	7.9	169	6.5	925	2.0	2.6									
	Bottom	7.8	2	26.5	7.9	169	6.5	925	2.0	2.6									
TCS-WQ2M3	Cloudy	Moderate	10:01	10.6	Surface	1.0	1	26.7	7.9	163	6.8	940	4.8	2.8	0.7	4.4	4.0		
					Mid-depth	5.1	1	26.6	7.9	200	6.7	935	4.5	4.1					
					Bottom	9.8	1	26.6	7.9	208	6.8	939	4.4	2.8					
	Surface	1.0	2	26.8	7.9	208	6.8	951	4.4	4.1									
	Mid-depth	5.1	2	26.8	7.9	208	6.8	951	4.4	4.1									
	Bottom	9.8	2	26.8	7.9	208	6.8	951	4.4	4.1									
TCS-WQ2M4	Cloudy	Calm	10:28	4.2	Surface	1.0	1	26.6	7.9	156	5.9	927	3.4	3.2	0.9	10.7	11.9		
					Mid-depth	3.2	2	26.5	7.9	227	5.1	791	13.1	11.0					
					Bottom	5.2	2	26.5	7.9	229	5.1	794	13.1	11.0					
	Surface	1.0	1	26.9	7.9	184	6.8	950	2.5	3.6									
	Mid-depth	3.2	2	26.9	7.9	184	6.8	950	2.5	3.6									
	Bottom	5.2	2	26.9	7.9	184	6.8	950	2.5	3.6									
29-05-2017	Mid Flood	TCS-A1	Cloudy	Moderate	13:49	8.8	Surface	1.0	1	26.4	8.0	267	6.5	914	4.0	2.2	0.3	4.1	4.6
							Mid-depth	4.4	2	26.5	8.0	268	6.5	919	3.1	4.9			
							Bottom	7.8	1	26.5	8.0	268	6.5	919	3.5	4.7			
		Surface	1.0	1	26.4	8.0	267	6.5	914	4.0	2.2								
		Mid-depth	4.4	2	26.5	8.0	268	6.5	919	3.1	4.9								
		Bottom	7.8	1	26.5	8.0	268	6.5	919	3.5	4.7								
	TCS-A2	Cloudy	Moderate	10:01	13.8	Surface	1.0	1	26.1	8.0	247	6.4	924	4.7	3.9	0.3	4.5	1.4	
						Mid-depth	6.7	1	26.2	8.0	254	6.5	934	3.9	2.7				
						Bottom	12.0	1	26.2	8.0	254	6.5	934	3.9	2.7				
		Surface	1.0	2	26.1	8.0	247	6.4	924	4.7	3.9								
		Mid-depth	6.7	2	26.2	8.0	254	6.5	934	3.9	2.7								
		Bottom	12.0	2	26.2	8.0	254	6.5	934	3.9	2.7								
TCS-WQ2M1	Cloudy	Calm	14:36	6.5	Surface	1.0	2	26.1	8.0	255	6.9	946	2.5	4.0	0.9	1.7	1.8		
					Mid-depth	4.2	1	26.1	8.0	255	6.9	946	2.5	4.0					
					Bottom	7.5	2	26.1	8.0	255	6.9	946	2.5	4.0					
	Surface	1.0	2	26.5	8.0	153	7.0	959	3.9	4.1									
	Mid-depth	4.2	1	26.2	8.0	207	6.2	939	6.6	5.1									
	Bottom	6.5	1	26.5	8.0	214	6.4	924	6.4	6.6									
TCS-WQ2M2	Cloudy	Moderate	13:25	11.8	Surface	1.0	2	26.3	8.0	154	6.8	926	2.5	3.9	0.8	4.6	1.3		
					Mid-depth	5.2	1	26.2	8.0	223	6.9	929	4.2	2.9					
					Bottom	9.8	2	26.3	7.9	229	6.9	937	4.2	2.8					
	Surface	1.0	2	26.5	8.0	153	6.5	919	3.2	4.1									
	Mid-depth	5.2	1	26.2	8.0	223	6.9	929	4.2	2.9									
	Bottom	9.8	2	26.3	7.9	229	6.9	937	4.2	2.8									
TCS-WQ2M3	Cloudy	Calm	13:02	8.7	Surface	1.0	2	26.5	8.0	153	6.5	919	3.2	4.1	0.5	7.5	6.6		
					Mid-depth	5.1	2	26.1	8.0	164	6.8	914	3.1	4.8					
					Bottom	7.5	2	26.1	8.0	164	6.8	914	3.1	4.8					
	Surface	1.0	2	26.5	8.0	202	6.5	924	2.9	2.5									
	Mid-depth	5.1	2	26.2	8.0	202	6.5	924	2.9	2.5									
	Bottom	7.5	2	26.2	8.0	202	6.5	924	2.9	2.5									
TCS-WQ2M4	Cloudy	Calm	14:49	4.4	Surface	1.0	2	26.2	8.0	202	6.7	927	2.8	2.1	0.7	7.3	7.1		
					Mid-depth	3.4	2	26.2	8.0	202	6.7	927	2.8	2.1					
					Bottom	6.8	2	26.2	8.0	202	6.7	927	2.8	2.1					
	Surface	1.0	2	26.5	8.0	201	6.7	915	2.0	2.0									
	Mid-depth	3.4	2	26.2	8.0	202	6.7	927	2.8	2.1									
	Bottom	6.8	2	26.2	8.0	202	6.7	927	2.8	2.1									

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)
31-05-2019	Mid-Ebb	TCE-C1	Rainy	Moderate	12:49	8.5	Surface	1.0	1	26.3	8.0	21.0	6.9	96.4	35	1.1	6.9	3.0	1.3
							1.0	2	26.3	8.0	21.0	6.9	96.4	35	1.4				
							4.3	1	26.2	8.0	21.1	6.9	96.0	35	1.3				
		Bottom	2.5	2	26.2	8.0	21.1	6.9	95.9	35	1.5								
		2.5	1	26.2	7.9	21.1	6.8	95.9	36	1.2									
		1.0	2	26.2	7.9	21.1	6.8	95.4	49	1.5									
	TCE-C2	Cloudy	Moderate	10:40	13.4	Surface	1.0	1	26.3	7.9	21.1	6.8	95.5	41	2.7	6.6	3.8	2.7	
						1.0	2	26.3	7.9	21.1	6.7	95.7	40	2.2					
						4.7	1	26.3	7.9	21.1	6.7	95.7	40	2.2					
	Bottom	12.4	1	26.2	7.9	21.8	6.6	95.9	32	3.1									
	2	26.2	7.9	21.8	6.6	95.9	32	2.8											
	1.0	1	26.0	8.0	22.8	6.5	92.4	10	3.0										
TCE-WQMB	Cloudy	Calm	12:00	8.2	Surface	1.0	1	26.2	8.0	21.0	6.9	96.4	35	1.1	6.6	3.0	1.1		
					1.0	2	26.2	8.0	21.0	6.8	96.1	47	2.9						
					4.1	1	26.2	8.0	21.0	6.8	96.1	47	2.9						
Bottom	7.2	1	26.0	8.0	21.2	6.5	95.8	65	3.3										
2	26.0	8.0	21.2	6.5	95.9	65	3.3												
1.0	1	26.0	8.0	21.2	6.5	95.9	65	3.2											
TCE-WQMDA	Cloudy	Moderate	11:25	6.5	Surface	1.0	1	26.2	7.9	21.0	6.4	96.4	43	3.2	6.4	4.0	3.1		
					1.0	2	26.2	7.9	21.0	6.4	96.4	43	3.2						
					3.3	1	26.4	7.9	21.1	6.4	96.0	42	2.9						
Bottom	5.5	1	26.4	7.9	21.1	6.4	96.0	42	3.4										
2	26.4	7.9	21.1	6.4	96.0	42	2.9												
1.0	1	26.0	8.0	22.6	6.4	96.9	30	3.0											
TCE-WQMB	Cloudy	Moderate	11:13	10.3	Surface	1.0	1	26.0	7.9	18.4	6.5	96.1	38	2.0	6.5	3.0	2.7		
					1.0	2	26.0	7.9	18.4	6.5	96.1	38	2.0						
					5.3	1	26.0	7.9	18.4	6.5	96.1	38	2.0						
Bottom	9.3	1	26.0	8.0	18.6	6.7	95.5	39	2.1										
2	26.0	8.0	18.6	6.7	95.0	42	3.4												
1.0	1	26.0	8.0	18.6	6.7	92.1	42	3.4											
TCE-WQMDA	Cloudy	Calm	11:37	4.0	Surface	1.0	1	26.4	7.9	21.0	6.1	96.1	53	3.6	6.1	5.8	7.1		
					1.0	2	26.4	7.9	21.0	6.1	96.1	53	3.6						
					3.0	1	26.4	7.9	21.1	6.2	95.3	63	10.6						
Bottom	3.0	1	26.4	7.9	21.1	6.2	95.2	63	10.6										
2	26.4	7.9	21.1	6.2	95.2	63	10.6												
1.0	1	26.4	7.9	21.1	6.5	92.4	49	3.2											
TCE-WQMB	Cloudy	Calm	11:40	3.8	Surface	1.0	1	26.0	7.9	21.1	6.5	95.4	49	3.9	6.5	5.4	5.6		
					1.0	2	26.0	7.9	21.1	6.5	95.4	49	3.9						
					2.8	1	26.5	7.9	21.1	6.5	95.8	58	6.2						
31-05-2019	Mid-Flood	TCE-C1	Rainy	Moderate	15:42	9.7	Surface	1.0	2	26.5	7.9	21.1	6.5	95.9	59	6.1	6.8	4.0	1.7
							1.0	1	26.5	8.0	21.0	6.8	95.8	37	1.4				
							4.4	1	26.6	8.0	21.0	6.8	96.3	43	1.6				
		Bottom	7.7	2	26.6	8.0	21.1	6.8	96.3	43	1.1								
		1.0	1	26.6	7.9	21.4	6.7	96.6	40	2.1									
		2	26.6	7.9	21.4	6.7	96.6	40	2.1										
	TCE-C2	Cloudy	Moderate	17:41	13.3	Surface	1.0	1	26.0	7.9	21.4	6.3	96.0	44	2.1	6.3	4.6	1.9	
						1.0	2	26.0	7.9	21.4	6.3	96.0	44	2.6					
						6.8	1	26.0	7.9	21.4	6.4	96.3	43	1.5					
	Bottom	12.5	1	26.0	7.9	21.4	6.3	96.0	52	1.8									
	2	26.0	7.9	21.3	6.3	96.3	53	1.7											
	1.0	1	26.5	8.0	20.4	7.1	96.5	47	3.0										
TCE-WQMD	Cloudy	Calm	16:24	8.3	Surface	1.0	1	26.5	8.0	20.4	7.1	96.5	47	3.0	7.1	5.1	3.4		
					1.0	2	26.5	8.0	20.4	7.1	96.5	47	3.1						
					6.2	1	26.2	8.0	20.1	7.0	96.0	46	3.4						
Bottom	7.3	1	26.3	8.0	21.2	6.8	95.5	61	3.8										
2	26.3	8.0	21.2	6.8	95.5	61	3.8												
1.0	1	26.3	7.9	21.5	6.6	92.2	42	2.2											
TCE-WQMD	Cloudy	Moderate	17:00	6.8	Surface	1.0	1	26.3	7.9	21.6	6.6	95.5	42	3.1	6.6	5.3	2.3		
					1.0	2	26.3	7.9	21.6	6.6	95.5	42	3.1						
					3.4	1	26.3	7.9	21.6	6.6	95.5	42	2.5						
Bottom	5.8	1	26.3	7.9	21.7	6.6	95.5	46	2.1										
2	26.3	7.9	21.7	6.6	95.5	46	2.1												
1.0	1	26.3	7.9	21.7	6.6	95.1	71	2.6											
TCE-WQMD	Cloudy	Moderate	17:11	10.8	Surface	1.0	1	26.2	7.9	21.7	6.3	95.7	46	1.6	6.3	5.0	1.5		
					1.0	2	26.2	7.9	21.7	6.3	95.7	47	1.3						
					5.4	1	26.2	7.9	21.7	6.4	95.5	44	1.5						
Bottom	9.8	1	26.2	7.9	22.6	6.2	95.1	6.0	1.8										
2	26.2	7.9	22.6	6.2	95.1	6.0	1.3												
1.0	1	26.2	7.9	21.7	6.5	95.3	57	3.6											
TCE-WQMDA	Cloudy	Moderate	16:40	4.5	Surface	1.0	1	26.2	7.9	21.7	6.5	95.3	57	3.6	6.5	9.4	3.9		
					1.0	2	26.2	7.9	21.7	6.5	95.3	57	3.6						
					3.5	1	26.2	7.9	21.7	6.6	95.2	53	4.8						
Bottom	3.5	1	26.2	8.0	21.7	6.6	95.2	53	4.0										
2	26.2	8.0	21.4	6.6	95.6	53	3.2												
1.0	1	26.3	8.0	21.4	6.6	95.6	53	2.6											
TCE-WQMD	Cloudy	Calm	16:37	4.3	Surface	1.0	2	26.2	8.0	21.7	6.6	95.0	87	3.4	6.6	7.0	2.7		
					1.0	1	26.2	8.0	21.7	6.6	95.0	87	3.4						
					3.3	2	26.2	8.0	21.7	6.6	95.0	87	2.5						