

Annex G3

Monitoring Results for Water Quality

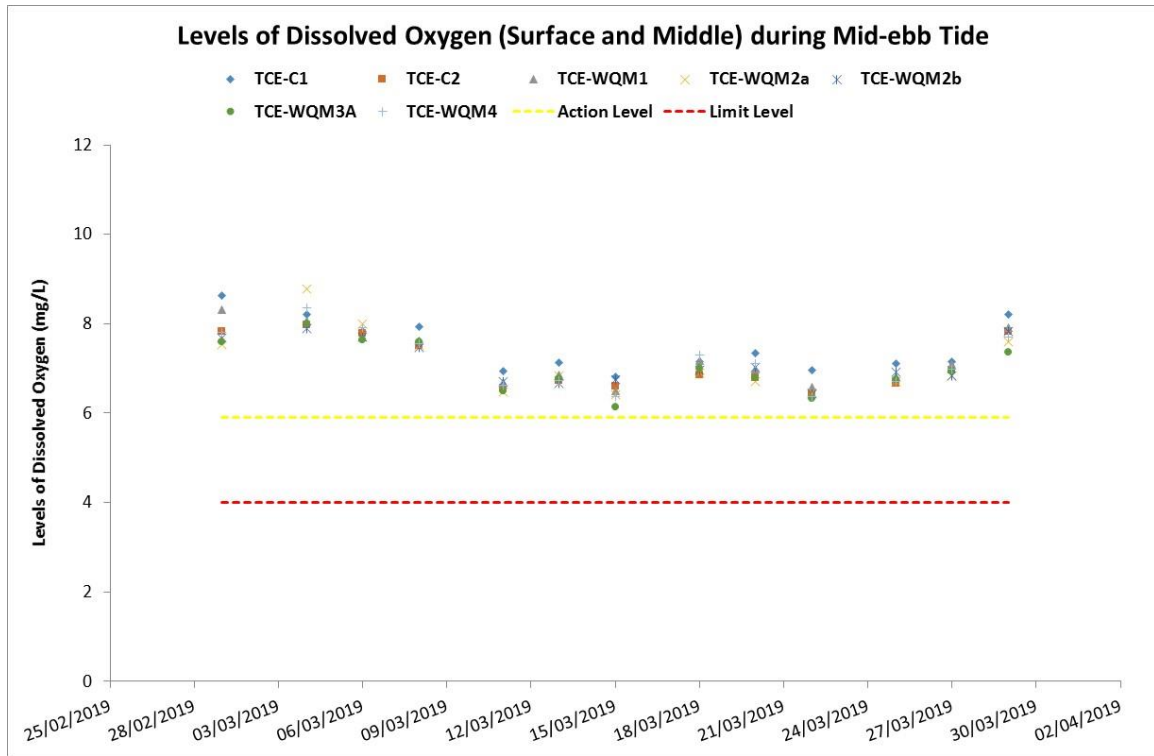


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 March 2019

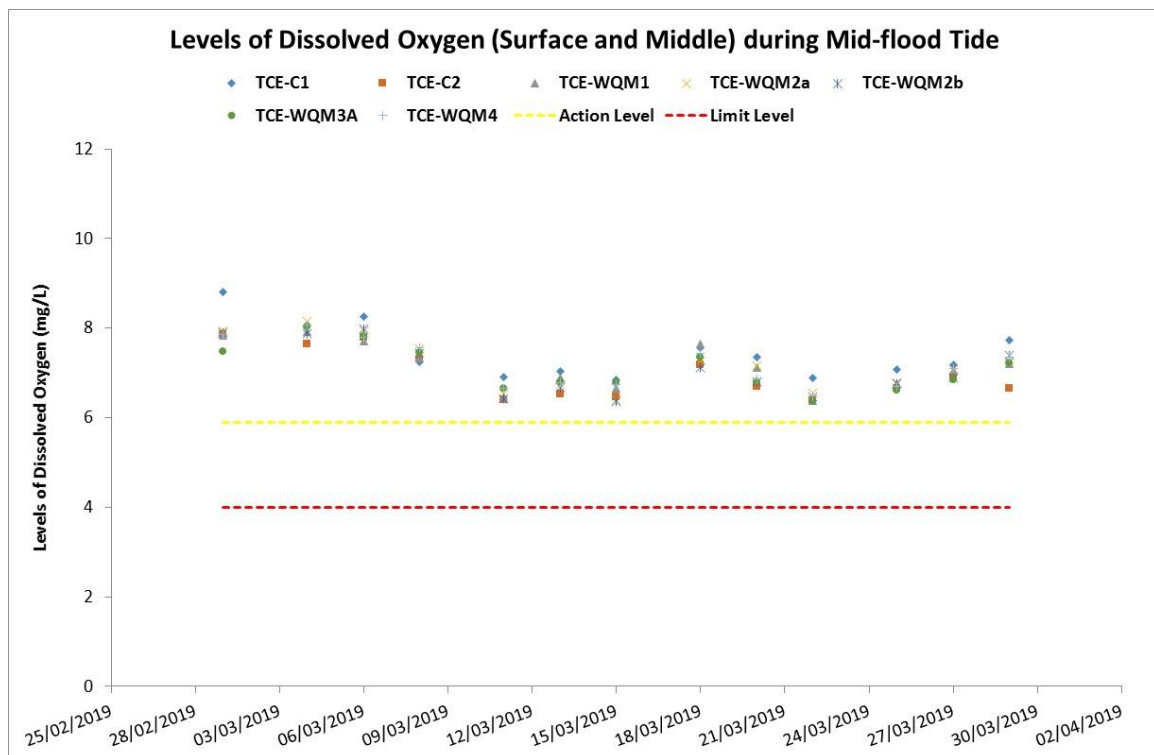


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 March 2019

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

**Environmental
 Resources
 Management**



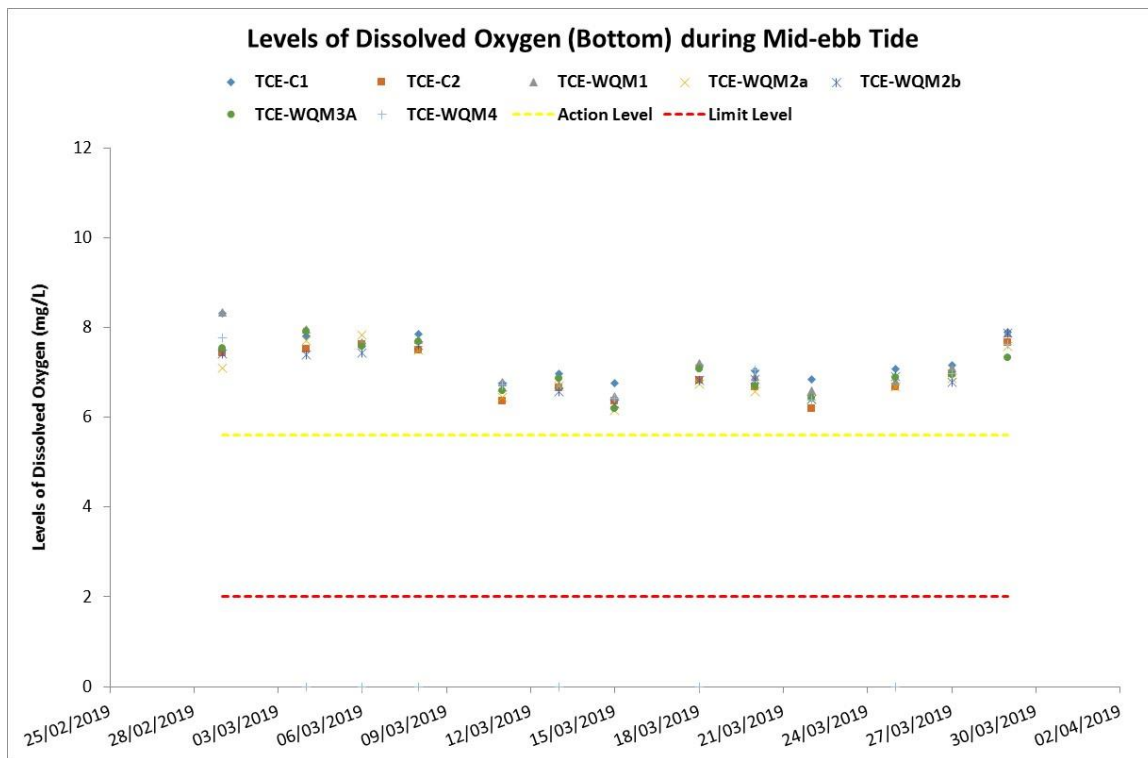


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 March 2019

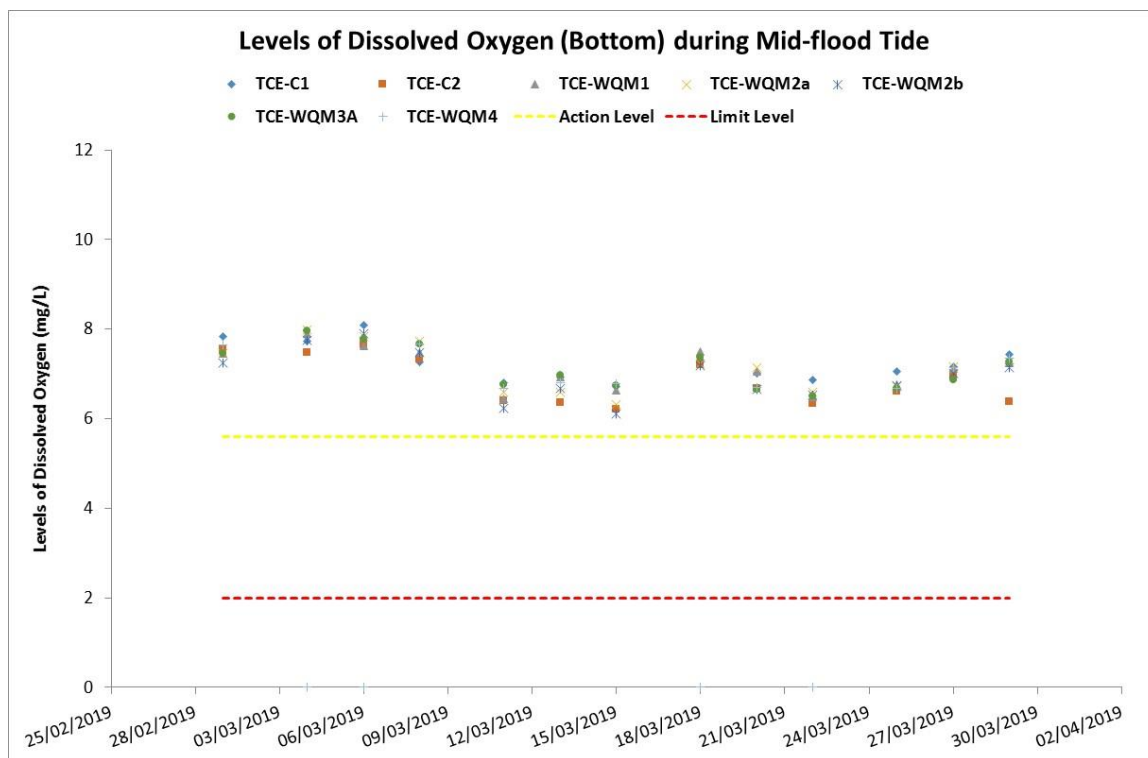


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 March 2019

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

Date: March 2019

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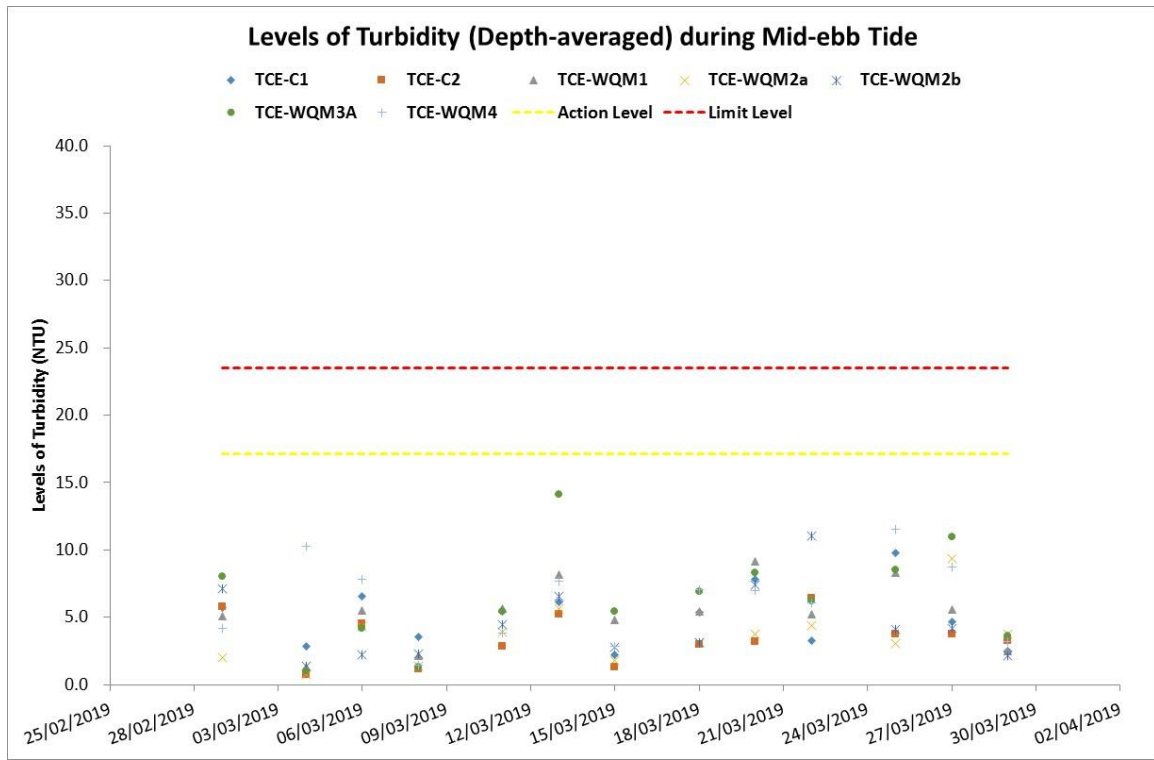


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 March 2019

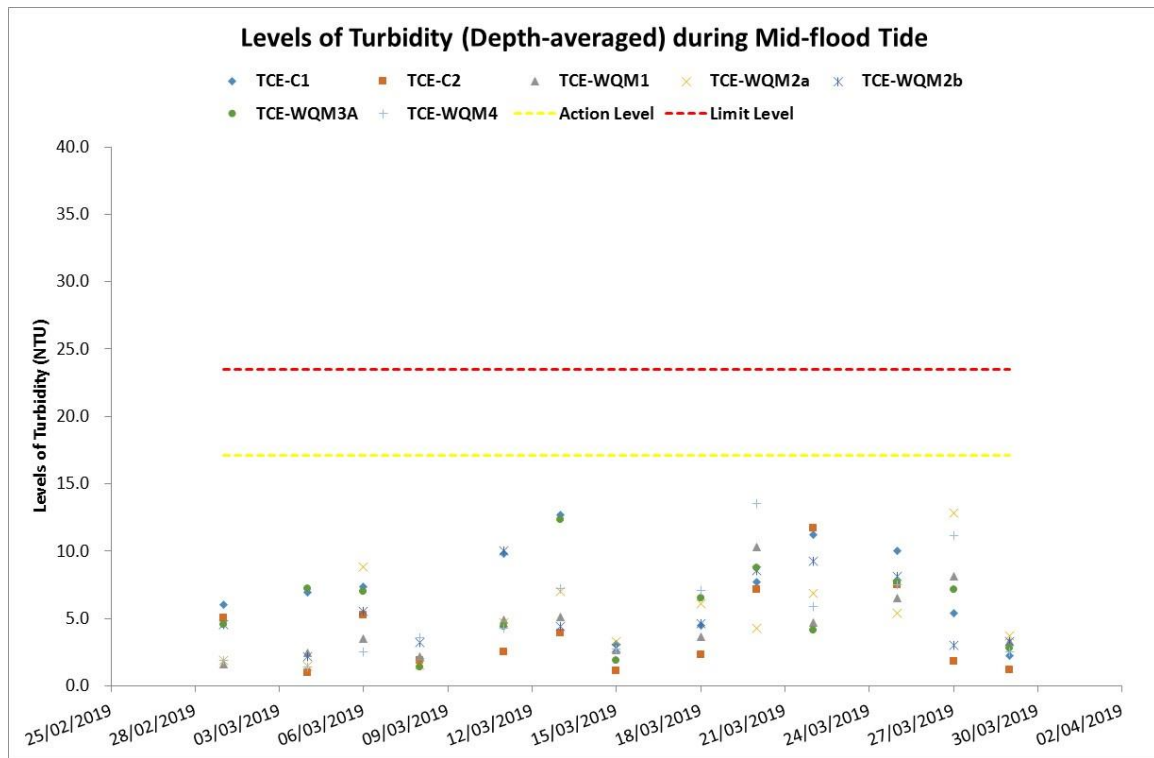


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 March 2019

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

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

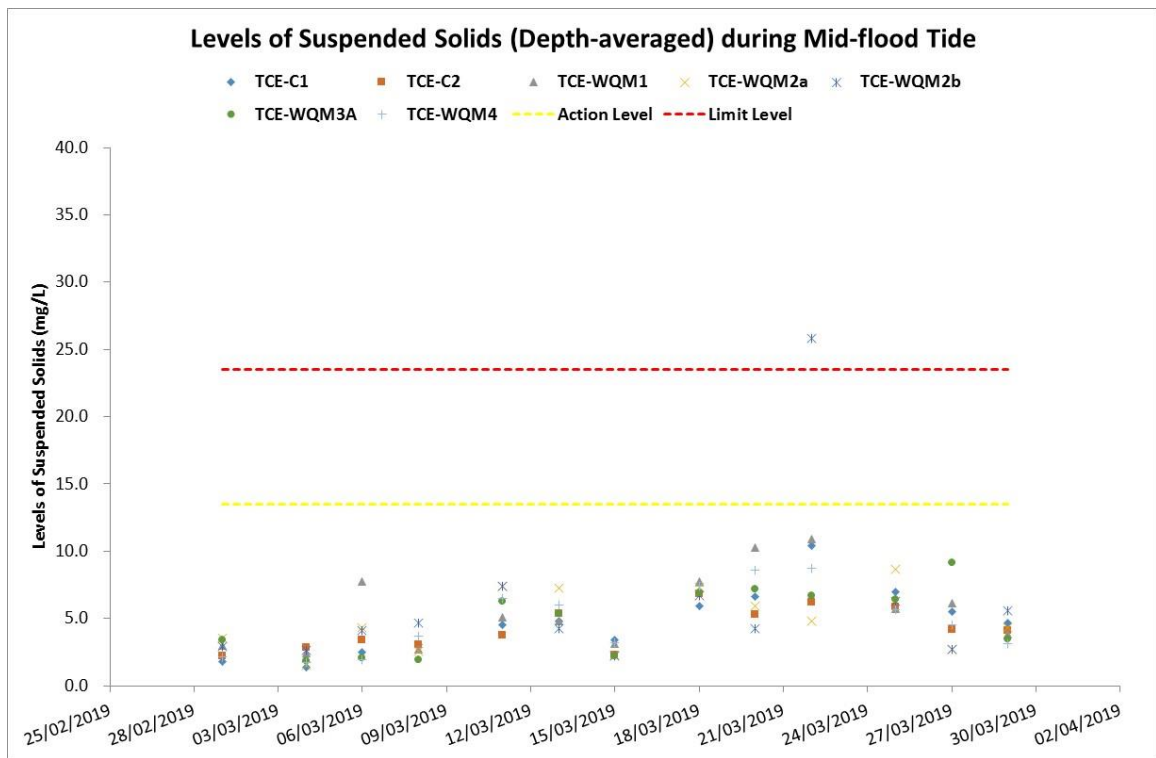


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 March 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: March 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)
01-03-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	20:45	8.3	Surface	1.0	1	20.6	8.2	30.1	8.7	113.0	4.7	3.1	8.6	5.7	3.1
								2	20.6	8.2	30.2	8.7	115.0	4.7	2.3				
							Middle	4.2	1	20.5	8.2	30.7	8.6	114.2	5.7	3.6			
								2	20.5	8.2	30.6	8.6	114.2	5.7	4.0				
							Bottom	7.3	1	20.2	8.1	31.5	8.3	110.6	6.8	2.2			
								2	20.2	8.1	31.5	8.3	110.5	6.8	3.2				
			1	20.4	8.2	29.5	7.9	104.7	3.9	2.3	8.3	5.8	2.3						
			2	20.4	8.1	29.6	7.9	104.3	4.0	3.1									
		Middle	6.2	1	20.2	8.1	30.1	7.7	101.7	4.9				2.0					
			2	20.2	8.1	30.2	7.7	101.6	4.9	1.6									
		Bottom	11.3	1	20.1	8.1	30.5	7.4	97.8	8.6				2.1					
			2	20.1	8.1	30.5	7.4	97.8	8.4	2.5									
			1	21.0	8.2	28.4	8.2	109.1	4.3	2.4	8.3	5.1	3.2						
			2	21.0	8.2	28.6	8.3	109.6	4.4	3.0									
		Middle	4.3	1	20.7	8.2	29.8	8.4	111.3	4.5				4.0					
			2	20.6	8.2	29.9	8.4	111.3	4.5	3.3									
		Bottom	7.6	1	20.5	8.2	30.3	8.3	110.7	6.5				2.8					
			2	20.5	8.2	30.3	8.3	110.5	6.5	3.5									
		1	20.8	8.2	28.4	7.6	100.7	1.3	3.4	8.3	2.0	2.7							
		2	20.8	8.2	28.4	7.6	100.7	1.3	2.6										
	Middle	4.0	1	20.4	8.1	29.4	7.4	98.1	1.3				3.2						
		2	20.4	8.1	29.5	7.4	97.7	1.3	2.7										
	Bottom	6.9	1	20.1	8.1	30.4	7.1	93.5	3.1				2.2						
		2	20.1	8.1	30.4	7.1	93.6	3.6	2.2										
		1	20.6	8.1	28.0	8.0	104.7	4.6	2.3	8.3	7.1	2.4							
		2	20.6	8.1	28.0	8.0	104.6	4.6	3.1										
	Middle	5.6	1	20.3	8.1	29.3	7.4	97.3	5.3				3.0						
		2	20.3	8.1	29.3	7.4	97.3	5.4	2.1										
	Bottom	10.1	1	20.3	8.1	29.3	7.4	97.5	11.5				2.4						
		2	20.4	8.1	29.3	7.4	97.6	11.5	1.5										
		1	21.1	8.1	28.1	7.6	100.4	3.3	3.5	8.3	8.0	3.0							
		2	21.0	8.1	28.2	7.6	100.4	3.3	2.6										
	Bottom	2.9	1	21.0	8.1	28.2	7.6	99.8	12.8				2.9						
		2	21.0	8.1	28.3	7.5	99.6	12.7	3.1										
		1	21.0	8.2	27.9	7.8	103.3	3.7	1.8										
		2	21.0	8.2	27.9	7.8	103.2	3.6	1.7										
	1	21.0	8.1	27.9	7.8	102.5	4.7	2.7	8.8	4.2	2.2								
	2	21.0	8.1	27.9	7.8	102.5	4.6	2.4											
Surface	1.0	1	20.7	8.2	29.3	9.1	120.0	4.8				1.7							
	2	20.6	8.2	29.6	9.1	119.9	4.8	2.2											
Middle	4.1	1	20.3	8.2	31.0	8.6	114.0	5.8				1.3							
	2	20.3	8.2	31.1	8.6	113.7	5.9	1.0											
	1	20.1	8.1	31.9	7.8	104.1	7.3	2.4	8.8	6.0	1.8								
	2	20.1	8.1	31.9	7.8	104.1	7.4	2.0											
Surface	1.0	1	20.6	8.1	29.9	8.2	108.2	4.4				3.2							
	2	20.5	8.1	29.9	8.2	108.1	4.4	2.6											
Middle	6.3	1	20.1	8.1	30.6	7.6	99.9	4.4				2.0							
	2	20.1	8.1	30.6	7.6	99.7	4.4	2.3											
	1	20.1	8.1	30.7	7.6	99.7	6.4	1.3	8.8	5.1	2.2								
	2	20.1	8.1	30.7	7.6	99.9	6.4	2.0											
Bottom	11.5	1	20.1	8.1	30.7	7.6	99.9	6.4				2.0							
	2	20.1	8.1	30.7	7.6	99.9	6.4	2.0											
	1	21.1	8.1	27.5	7.9	104.6	1.6	3.3											
	2	21.1	8.1	27.5	7.9	104.3	1.6	2.7											
	1	21.1	8.1	27.9	7.8	102.7	1.7	3.1	8.8	1.6	3.0								
	2	21.0	8.1	28.0	7.8	102.5	1.7	2.7											
Bottom	7.5	1	21.0	8.1	28.2	7.4	98.6	1.6				3.2							
	2	21.1	8.1	28.2	7.5	98.7	1.6	2.7											
	1	20.8	8.1	28.1	8.0	105.7	1.1	2.9											
	2	20.8	8.1	28.1	8.0	105.7	1.1	3.4											
	1	20.6	8.1	28.7	7.9	103.7	1.3	4.9	8.8	1.9	3.6								
	2	20.5	8.1	28.9	7.9	103.5	1.3	5.4											
Middle	3.8	1	20.6	8.1	28.7	7.9	103.7	1.3				4.9							
	2	20.5	8.1	28.9	7.9	103.5	1.3	5.4											
Bottom	6.5	1	20.2	8.1	29.7	7.5	98.0	3.2				2.2							
	2	20.2	8.1	29.7	7.5	98.2	3.4	2.5											
	1	20.8	8.1	28.4	8.1	106.9	3.7	2.4	8.8	4.6	2.9								
	2	20.7	8.1	28.4	8.1	106.8	3.7	3.0											
Middle	5.7	1	20.3	8.1	29.3	7.7	101.0	4.7				2.5							
	2	20.3	8.0	29.4	7.7	100.8	4.8	3.4											
Bottom	10.3	1	20.1	8.0	30.2	7.3	95.5	5.2				3.3							
	2	20.2	8.0	30.1	7.3	95.5	5.2	2.9											
	1	20.9	8.1	28.3	7.5	99.0	2.5	2.9	8.8	4.6	3.4								
	2	20.9	8.1	28.3	7.5	98.8	2.7	2.3											
Bottom	2.8	1	20.8	8.1	28.5	7.5	98.5	6.2				4.4							
	2	20.8	8.1	28.5	7.5	98.5	6.8	4.1											
	1	21.0	8.2	27.9	7.9	104.0	1.7	1.8											
	2	21.0	8.2	27.9	7.9	103.7	1.7	1.6											
	1	20.9	8.1	28.2	7.7	101.1	2.1	2.7	8.8	1.9	2.1								
	2	20.9	8.1	28.1	7.6	100.7	2.1	2.4											

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)
04-03-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:44	8.2	Surface	1.0	1	20.5	8.2	28.0	8.6	111.9	1.9	1.2	8.2	2.8	2.7
								2	20.5	8.2	27.9	8.6	111.8	2.0	2.2				
							Middle	4.1	1	20.2	8.2	31.4	7.9	104.4	3.1	3.2			
								2	20.2	8.2	31.4	7.8	104.3	3.2	2.9				
							Bottom	7.2	1	20.2	8.2	31.5	7.8	103.8	3.4	3.7			
								2	20.2	8.2	31.5	7.8	103.8	3.3	3.2				
			1	20.6	8.3	28.3	8.5	111.5	0.7	3.4	7.8	8.0	0.7	2.4					
			2	20.6	8.3	28.4	8.4	110.7	0.7	2.4									
		Middle	6.3	1	20.4	8.1	30.3	7.5	99.2	0.7					2.7				
			2	20.4	8.1	30.3	7.5	99.1	0.7	2.1									
		Bottom	11.5	1	20.4	8.1	30.4	7.5	99.4	0.7					1.5				
			2	20.4	8.1	30.4	7.5	99.5	0.7	2.1									
		1	21.2	8.2	27.9	8.1	107.4	1.1	2.9	8.1	7.5	8.1	1.3	2.3					
		2	21.2	8.2	27.9	8.1	107.3	1.2	2.3										
	Middle	4.2	1	21.1	8.2	27.9	8.0	106.3	1.5						2.5				
		2	21.1	8.2	27.9	8.0	106.2	1.5	2.5										
	Bottom	7.3	1	21.1	8.1	27.9	8.0	105.4	1.3						2.1				
		2	21.1	8.1	27.9	8.0	105.3	1.3	1.6										
		1	21.0	8.3	27.4	9.0	118.6	0.6	2.2	8.8	7.7	8.8	1.0	3.4					
		2	21.0	8.3	27.4	9.0	118.6	0.6	1.4										
	Middle	3.7	1	20.8	8.2	28.2	8.6	112.8	0.7						4.2				
		2	20.8	8.2	28.2	8.6	112.6	0.7	3.4										
	Bottom	6.4	1	20.7	8.2	29.0	7.7	101.8	1.0						4.5				
		2	20.7	8.2	29.0	7.7	101.8	1.0	4.4										
	1	20.9	8.2	26.2	8.3	108.9	1.1	1.7	7.9	7.4	7.9	1.4	2.7						
	2	20.8	8.2	26.3	8.3	108.4	1.1	2.1											
Middle	5.5	1	20.5	8.1	29.7	7.5	99.0	1.2						2.0					
	2	20.5	8.1	29.8	7.5	98.7	1.3	2.7											
Bottom	9.9	1	20.5	8.1	30.0	7.4	97.8	1.9						3.7					
	2	20.5	8.1	30.0	7.4	97.8	1.8	3.9											
	1	21.3	8.2	26.9	8.0	105.5	0.9	1.5	8.0	7.9	8.0	1.0	1.2						
	2	21.3	8.2	26.9	8.0	105.4	1.0	1.5											
Bottom	3.0	1	20.8	8.2	27.5	7.9	103.8	1.0						1.0					
	2	20.8	8.2	27.6	7.9	103.6	1.0	0.6											
Middle	1.5	1	21.3	8.2	26.9	8.4	110.5	10.3						3.0					
	2	21.3	8.2	27.0	8.4	110.2	10.3	2.8											
04-03-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	8:02	8.5	Surface	1.0	1	20.6	8.2	26.5	8.2	106.9	3.9	1.1	8.1	6.9	1.4
								2	20.6	8.2	26.5	8.2	106.8	4.2	0.9				
							Middle	4.3	1	20.5	8.2	30.8	7.9	105.3	7.5	1.1			
								2	20.5	8.2	30.8	7.9	105.2	7.7	1.1				
							Bottom	7.5	1	20.5	8.2	30.8	7.7	102.9	9.0	2.4			
								2	20.5	8.2	30.8	7.7	102.7	9.2	1.8				
			1	20.7	8.2	28.5	7.8	102.5	0.8	2.8	7.6	7.5	7.6	1.0	2.9				
			2	20.7	8.2	28.6	7.8	102.2	0.8	3.2									
		Middle	6.0	1	20.5	8.1	29.5	7.5	99.3	1.1						3.3			
			2	20.5	8.1	29.6	7.5	99.1	1.1	2.3									
		Bottom	11.0	1	20.5	8.1	29.9	7.5	98.8	1.1						2.8			
			2	20.5	8.1	29.9	7.5	98.9	1.1	2.7									
		1	20.9	8.2	27.6	7.9	104.4	1.3	2.2	7.9	7.9	7.9	2.4	2.4					
		2	20.9	8.2	27.6	7.9	104.4	1.4	2.3										
	Middle	4.1	1	21.1	8.2	27.9	7.9	104.9	1.3						2.3				
		2	21.1	8.2	28.0	7.9	104.9	1.6	2.3										
	Bottom	7.1	1	21.2	8.2	28.3	7.9	105.0	4.4						2.4				
		2	21.2	8.2	28.3	7.9	104.9	4.8	2.9										
		1	20.9	8.2	26.0	8.3	107.6	0.7	1.8	8.1	8.0	8.1	1.5	1.5					
		2	20.9	8.2	26.0	8.3	107.6	0.7	1.6										
	Middle	3.5	1	21.0	8.2	26.9	8.1	105.5	1.7						1.4				
		2	21.0	8.2	26.9	8.0	105.4	1.8	1.6										
	Bottom	6.0	1	20.9	8.2	27.0	8.0	104.7	1.7						1.3				
		2	20.9	8.2	27.0	8.0	104.6	2.1	1.2										
	1	20.8	8.2	26.9	8.0	104.1	1.0	2.8	7.9	7.7	7.9	2.2	2.6						
	2	20.8	8.2	27.0	7.9	103.9	1.2	2.9											
Middle	5.3	1	20.8	8.2	27.7	7.8	102.7	2.1						2.7					
	2	20.8	8.2	27.8	7.8	102.6	2.2	2.7											
Bottom	9.6	1	20.7	8.2	28.2	7.7	101.9	3.2						2.5					
	2	20.7	8.2	28.2	7.7	101.9	3.2	2.2											
	1	20.9	8.2	26.6	8.0	105.1	8.5	2.4	8.0	8.0	8.0	7.2	1.9						
	2	20.9	8.2	26.6	8.0	105.0	8.5	2.3											
Bottom	3.0	1	20.9	8.2	26.6	8.0	104.1	5.9						1.1					
	2	20.9	8.2	26.6	8.0	104.0	5.9	1.7											
Middle	1.4	1	20.9	8.2	26.2	8.1	105.4	1.4						2.1					
	2	20.9	8.2	26.1	8.1	105.3	1.4	1.4											

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)
06-03-2019	Mid-Ebb	TCE-C1	Rainy	Moderate	11:40	8.3	Surface	1.0	1	20.8	8.3	28.4	8.0	105.7	4.4	5.9	7.8	6.6	3.1
								2	20.7	8.3	28.6	8.0	105.4	4.5	5.2				
							Middle	4.2	1	20.5	8.2	30.6	7.7	101.8	5.9	1.8			
								2	20.5	8.2	30.7	7.6	101.6	5.9	2.2				
							Bottom	7.3	1	20.5	8.2	30.8	7.6	101.5	9.4	1.8			
								2	20.5	8.2	30.8	7.6	101.7	9.4	1.9				
			1	20.8	8.2	28.4	8.0	105.9	3.9	2.3	7.6	4.5	1.7						
			2	20.8	8.2	28.6	8.0	105.8	3.9	2.1									
		Middle	6.9	1	20.8	8.2	29.6	7.6	100.3	3.9				1.7					
			2	20.6	8.2	29.6	7.6	100.2	3.9	1.5									
		Bottom	12.8	1	20.7	8.2	29.6	7.6	100.8	5.8				1.2					
			2	20.6	8.2	29.6	7.6	100.9	5.8	1.6									
	TCE-WQMI	Rainy	Calm	12:22	7.7	Surface	1.0	1	21.1	8.2	27.9	7.7	102.2	4.9	1.9	7.7	5.5	1.8	
							2	21.1	8.2	28.0	7.7	102.3	5.0	1.9					
						Middle	3.9	1	21.1	8.2	28.6	7.7	102.2	5.1	2.1				
							2	21.1	8.2	28.6	7.7	102.2	5.2	2.0					
						Bottom	6.7	1	21.1	8.1	28.7	7.7	101.9	6.3	1.8				
							2	21.1	8.1	28.7	7.7	101.8	6.4	1.3					
	TCE-WQM2a	Rainy	Moderate	12:54	7.5	Surface	1.0	1	20.9	8.2	27.9	8.0	105.6	4.0	3.7	8.0	4.3	2.0	
							2	20.9	8.2	27.9	8.0	105.6	4.0	2.9					
						Middle	3.8	1	20.9	8.2	28.3	8.0	105.3	3.0	1.2				
							2	20.9	8.2	28.3	8.0	105.2	3.1	2.1					
						Bottom	6.5	1	20.8	8.2	28.8	7.8	103.5	5.9	0.8				
							2	20.8	8.2	28.8	7.8	103.4	5.9	1.2					
TCE-WQM2b	Rainy	Moderate	13:05	11.1	Surface	1.0	1	20.9	8.2	27.0	8.0	104.7	1.3	1.3	7.7	2.2	2.6		
						2	20.9	8.2	27.1	8.0	104.6	1.3	1.8						
					Middle	5.6	1	20.7	8.2	29.4	7.4	98.3	2.5	2.3					
						2	20.7	8.2	29.5	7.4	98.2	2.6	3.0						
					Bottom	10.1	1	20.7	8.2	29.5	7.4	98.3	2.9	3.9					
						2	20.7	8.2	29.5	7.4	98.4	2.9	3.1						
TCE-WQM3A	Rainy	Calm	12:43	3.1	Surface	1.0	1	21.0	8.2	27.7	7.6	100.8	3.0	10.4	7.6	4.2	9.0		
						2	21.0	8.2	27.7	7.6	100.8	3.0	10.4						
					Middle	2.1	1	20.9	8.2	28.0	7.6	99.8	5.6	12.6					
						2	20.8	8.2	28.0	7.6	99.5	5.3	2.4						
					Bottom	2.1	1	20.9	8.2	28.0	7.6	99.8	5.6	12.6					
						2	20.8	8.2	28.0	7.6	99.5	5.3	2.4						
TCE-WQM4	Rainy	Calm	12:31	2.7	Middle	1.4	1	20.6	8.2	28.0	7.9	103.6	7.9	9.4	7.9	7.8	9.7		
						2	20.5	8.2	28.1	7.9	103.5	7.8	10.0						
					Surface	1.0	1	20.9	8.3	25.9	8.4	109.2	4.2	3.1					
						2	20.9	8.3	25.9	8.4	109.1	4.4	2.7						
					Middle	4.1	1	20.8	8.3	29.9	8.1	108.2	8.6	2.2					
						2	20.8	8.3	29.9	8.1	108.1	8.5	2.1						
06-03-2019	Mid-Flood	TCE-C1	Rainy	Rough	9:25	8.2	Surface	1.0	1	20.9	8.3	25.9	8.4	109.1	4.4	2.7	8.3	7.3	2.5
								2	20.8	8.3	29.9	8.1	108.2	8.6	2.2				
							Middle	4.1	1	20.8	8.3	29.9	8.1	108.1	8.5	2.1			
								2	20.8	8.3	29.9	8.1	107.6	9.3	2.3				
							Bottom	7.2	1	20.8	8.3	29.9	8.1	107.6	9.3	2.3			
								2	20.8	8.3	29.9	8.1	107.5	9.1	2.5				
		TCE-C2	Cloudy	Moderate	7:12	13.6	Surface	1.0	1	20.8	8.2	28.6	7.9	105.0	5.0	2.8	7.8	5.2	3.4
								2	20.8	8.2	28.6	7.9	105.0	4.9	2.3				
							Middle	6.8	1	20.7	8.1	29.4	7.7	101.5	5.0	2.2			
								2	20.7	8.1	29.4	7.7	101.4	4.9	2.4				
							Bottom	12.6	1	20.7	8.1	29.5	7.7	101.4	5.8	5.4			
								2	20.7	8.1	29.5	7.7	101.5	5.8	5.3				
	TCE-WQMI	Cloudy	Calm	8:23	7.9	Surface	1.0	1	21.1	8.2	28.0	7.7	102.0	3.0	6.9	7.7	3.5	7.7	
							2	21.1	8.2	28.0	7.7	102.1	3.0	7.1					
						Middle	4.0	1	21.2	8.2	28.2	7.7	102.6	4.2	7.3				
							2	21.2	8.2	28.2	7.7	102.5	4.2	8.0					
						Bottom	6.9	1	21.1	8.2	28.2	7.6	101.2	3.3	7.8				
							2	21.1	8.2	28.2	7.6	100.9	3.3	9.2					
	TCE-WQM2a	Cloudy	Moderate	7:49	7	Surface	1.0	1	21.0	8.2	28.1	8.0	105.3	6.4	1.7	7.9	8.8	4.3	
							2	21.0	8.2	28.1	8.0	105.3	6.4	2.1					
						Middle	3.5	1	21.0	8.2	28.1	7.9	104.6	7.5	5.1				
							2	21.0	8.2	28.1	7.9	104.5	7.1	5.8					
						Bottom	6.0	1	20.9	8.2	28.2	7.8	103.6	12.7	5.2				
							2	20.9	8.2	28.2	7.8	103.5	12.9	6.0					
TCE-WQM2b	Cloudy	Moderate	7:35	10.8	Surface	1.0	1	20.9	8.2	28.3	8.0	105.8	4.3	3.7	8.0	5.5	4.1		
						2	20.9	8.2	28.3	8.0	105.7	4.3	4.1						
					Middle	5.4	1	20.9	8.2	28.3	8.0	105.1	5.0	4.0					
						2	20.9	8.2	28.3	8.0	105.1	4.7	4.0						
					Bottom	9.8	1	20.9	8.2	28.3	7.9	104.5	7.3	4.7					
						2	20.9	8.2	28.3	7.9	104.4	7.4	4.3						
TCE-WQM3A	Cloudy	Calm	8:00	3.2	Surface	1.0	1	20.9	8.2	28.3	7.8	103.4	6.5	2.6	7.8	7.0	2.1		
						2	20.9	8.2	28.3	7.8	103.4	6.9	2.3						
					Middle	2.2	1	20.9	8.2	28.3	7.8	102.7	7.3	1.7					
						2	20.9	8.2	28.3	7.8	102.6	7.2	1.7						
					Bottom	2.2	1	20.9	8.2	28.3	7.8	102.6	7.2	1.7					
						2	20.9	8.2	28.3	7.8	103.2	2.5	2.2						
TCE-WQM4	Cloudy	Calm	8:10	2.8	Middle	1.4	1	20.9	8.2	28.3	7.8	103.2	2.5	2.2	7.8	2.5	2.0		
						2	20.9	8.2	28.3	7.8	103.1	2.6	1.7						

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)
08-03-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	12:29	7.6	Surface	1.0	1	20.2	8.5	29.2	8.0	105.3	2.4	2.9	7.9	3.5	2.9
								2	20.2	8.5	29.3	7.8	103.9	3.9	2.7				
							Middle	3.8	1	20.2	8.5	30.8	7.8	103.8	3.9	3.2			
								2	20.2	8.5	30.8	7.8	103.9	4.3	2.5				
							Bottom	6.6	1	20.2	8.5	31.0	7.8	104.0	4.2	3.4			
								2	20.2	8.5	31.0	7.5	97.8	1.0	3.6				
			2	20.1	8.4	27.9	7.5	97.8	1.0	2.7									
		TCE-C2	Cloudy	Rough	14:31	12.4	Surface	1.0	1	20.1	8.4	27.8	7.5	97.8	1.1	2.9	7.5	1.1	2.6
								2	20.1	8.4	28.2	7.5	97.9	1.1	2.9				
							Middle	6.2	1	20.1	8.4	28.3	7.5	97.9	1.1	3.5			
								2	20.1	8.5	28.3	7.5	97.9	1.2	1.1				
							Bottom	11.4	1	20.1	8.5	28.3	7.5	97.9	1.2	2.0			
								2	20.1	8.5	28.2	7.5	97.9	1.2	2.0				
		TCE-WQM1	Cloudy	Rough	13:08	8.5	Surface	1.0	1	20.3	8.5	27.3	7.6	98.0	1.9	3.8	7.6	2.1	3.0
								2	20.3	8.5	27.3	7.6	98.2	2.0	2.9				
							Middle	4.3	1	20.2	8.5	27.9	7.7	99.7	2.2	3.4			
								2	20.2	8.5	28.0	7.7	100.0	2.3	2.8				
							Bottom	7.5	1	20.2	8.5	28.1	7.7	100.4	2.2	2.8			
								2	20.2	8.5	28.1	7.7	100.6	2.2	2.1				
		TCE-WQM2a	Cloudy	Rough	14:02	6.0	Surface	1.0	1	20.3	8.5	27.8	7.5	97.8	1.4	1.3	7.5	1.4	2.0
								2	20.3	8.5	27.8	7.5	97.8	1.4	1.7				
							Middle	3.0	1	20.3	8.4	28.2	7.5	97.9	1.3	2.0			
								2	20.3	8.4	28.3	7.5	97.9	1.3	2.2				
							Bottom	5.0	1	20.3	8.4	28.3	7.5	97.9	1.4	2.6			
							2	20.3	8.4	28.2	7.5	98.0	1.4	2.3					
	TCE-WQM2b	Cloudy	Rough	14:06	10.2	Surface	1.0	1	20.4	8.4	28.4	7.4	97.4	1.8	1.9	7.5	2.3	1.6	
							2	20.4	8.4	28.5	7.4	97.4	1.8	1.7					
						Middle	5.1	1	20.4	8.4	28.9	7.5	98.4	2.3	1.7				
							2	20.4	8.4	28.9	7.5	98.7	2.4	1.5					
						Bottom	9.2	1	20.4	8.4	29.0	7.6	99.7	2.7	1.7				
							2	20.4	8.4	29.0	7.6	100.1	2.7	1.2					
	TCE-WQM3a	Cloudy	Rough	13:54	3.5	Surface	1.0	1	20.3	8.4	27.7	7.6	98.9	1.3	4.7	7.6	1.3	3.3	
							2	20.3	8.4	27.8	7.6	99.1	1.4	4.9					
						Middle	2.5	1	20.3	8.4	27.9	7.7	100.0	1.3	1.7				
							2	20.3	8.4	27.9	7.7	100.2	1.3	1.7					
						Bottom	1.5	1	20.3	8.5	26.9	7.6	97.8	1.5	2.4				
							2	20.3	8.5	26.9	7.6	97.9	1.5	2.8					
	TCE-WQM4	Cloudy	Rough	13:32	2.9	Surface	1.0	1	20.2	8.4	26.8	7.2	93.6	2.0	1.3	7.2	2.0	3.0	
							2	20.2	8.4	26.8	7.2	93.6	2.0	1.9					
						Middle	3.9	1	20.2	8.4	26.8	7.2	93.6	2.0	3.6				
							2	20.2	8.4	26.8	7.2	93.7	2.0	3.8					
						Bottom	6.8	1	20.2	8.4	26.8	7.3	93.9	2.0	3.7				
							2	20.2	8.4	26.8	7.3	94.0	2.0	3.9					
	Mid-Flood	TCE-C1	Cloudy	Rough	9:12	7.8	Surface	1.0	1	20.5	8.4	28.2	7.3	96.0	1.7	2.1	7.3	1.9	3.0
								2	20.5	8.4	28.3	7.3	96.0	1.8	2.8				
							Middle	7.3	1	20.5	8.4	28.6	7.3	96.0	2.1	3.4			
								2	20.5	8.4	28.6	7.3	96.1	2.1	3.5				
							Bottom	13.6	1	20.5	8.4	28.6	7.3	96.2	1.9	2.8			
							2	20.5	8.4	28.6	7.3	96.3	1.9	3.6					
TCE-C2		Cloudy	Rough	7:35	14.6	Surface	1.0	1	20.3	8.4	26.8	7.3	94.5	2.2	2.5	7.3	2.2	2.7	
							2	20.3	8.4	26.8	7.3	94.6	2.2	2.9					
						Middle	5.3	1	20.3	8.4	26.9	7.4	95.3	2.3	2.3				
							2	20.3	8.4	26.9	7.4	95.6	2.3	2.1					
						Bottom	9.5	1	20.3	8.4	26.9	7.5	96.5	2.2	3.4				
							2	20.3	8.4	26.9	7.5	97.0	2.2	3.1					
TCE-WQM1		Cloudy	Rough	8:42	10.5	Surface	1.0	1	20.3	8.4	27.6	7.7	100.7	1.5	2.9	7.5	1.5	2.6	
							2	20.3	8.4	27.6	7.8	101.1	1.5	2.7					
						Middle	5.3	1	20.3	8.4	26.9	7.4	95.3	2.3	2.3				
							2	20.3	8.4	26.9	7.4	95.6	2.3	2.1					
						Bottom	9.5	1	20.3	8.4	26.9	7.5	96.5	2.2	3.4				
							2	20.3	8.4	26.9	7.5	97.0	2.2	3.1					
TCE-WQM2a		Cloudy	Rough	8:09	8.7	Surface	1.0	1	20.3	8.4	27.3	7.5	97.9	1.5	2.6	7.5	1.5	2.6	
							2	20.3	8.4	27.3	7.5	97.9	1.5	2.0					
						Middle	4.4	1	20.4	8.4	27.4	7.5	98.2	1.5	2.7				
							2	20.4	8.4	27.4	7.6	98.4	1.5	2.6					
						Bottom	7.7	1	20.4	8.4	27.6	7.7	100.7	1.5	2.9				
							2	20.4	8.4	27.6	7.8	101.1	1.5	2.7					
TCE-WQM2b	Cloudy	Rough	7:57	11.8	Surface	1.0	1	20.4	8.4	27.6	7.4	96.9	3.0	4.1	7.4	3.2	4.6		
						2	20.4	8.4	27.6	7.4	96.9	3.0	4.8						
					Middle	5.9	1	20.4	8.4	27.7	7.4	97.1	3.3	4.8					
						2	20.4	8.4	27.7	7.5	97.2	3.3	3.9						
					Bottom	10.8	1	20.4	8.4	27.7	7.5	97.6	3.4	5.2					
						2	20.4	8.4	27.7	7.5	97.8	3.5	5.0						
TCE-WQM3a	Cloudy	Rough	8:20	4.8	Surface	1.0	1	20.4	8.4	27.2	7.4	96.8	1.4	2.2	7.5	1.4	1.9		
						2	20.4	8.4	27.3	7.5	97.1	1.4	1.9						
					Middle	3.8	1	20.4	8.4	27.5	7.7	99.7	1.5	1.6					
						2	20.4	8.4	27.5	7.7	100.2	1.5	1.9						
					Bottom	1.0	1	20.4	8.4	27.3	7.6	98.3	3.2	3.9					
						2	20.4	8.4	27.3	7.6	98.8	3.2	3.4						
TCE-WQM4	Cloudy	Rough	8:30	3.6	Surface	1.0	1	20.4	8.4	27.4	7.7	99.7	3.9	3.4	7.7	3.6	3.7		
						2	20.4	8.4	27.4	7.7	99.7	3.9	4.0						
					Middle	2.6	1	20.4	8.4	27.4	7.7	100.0	3.9	4.0					
						2	20.4	8.4	27.4	7.7	100.0	3.9	4.0						
					Bottom	1.0	1	20.4	8.4	27.3	7.6	98.3	3.2	3.9					
						2	20.4	8.4	27.3	7.6	98.8	3.2	3.4						

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)		
11-03-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	14:04	7.8	Surface	1.0	1	19.9	8.1	24.3	7.1	89.9	3.2	3.5	6.9	5.5	3.6		
								2	20.0	8.1	24.3	7.1	89.9	3.5	4.2						
							Middle	3.9	1	20.3	8.1	31.4	6.8	90.4	5.7	3.8					
								2	20.4	8.1	31.5	6.8	90.4	5.9	3.9						
							Bottom	6.8	1	20.4	8.1	31.8	6.8	90.2	7.0	3.2					
								2	20.4	8.1	31.9	6.8	90.2	7.5	2.7						
			1	20.3	8.1	23.8	6.7	84.7	3.0	4.4											
			2	20.3	8.1	23.8	6.7	84.6	3.0	4.4											
		Middle	6.9	1	20.0	8.1	25.3	6.5	82.8	3.6	5.0										
			2	20.0	8.1	25.3	6.5	82.6	3.3	5.6											
		Bottom	12.7	1	20.0	8.1	28.4	6.4	82.5	2.1	7.5										
			2	20.0	8.1	28.5	6.4	82.8	2.1	7.7											
		TCE-WQMI	Cloudy	Calm	14:50	7.4	Surface	1.0	1	19.8	8.0	25.5	6.7	84.7	4.4	5.0	6.7	5.6	6.5		
			2	19.8	8.0	25.5	6.7	84.8	4.7	5.2											
		Middle	3.7	1	19.7	8.0	25.8	6.7	85.4	5.9	6.5										
			2	19.7	8.0	25.8	6.7	85.6	6.1	7.3											
		Bottom	6.4	1	19.6	8.0	25.9	6.8	86.2	6.4	7.5										
			2	19.7	8.0	25.9	6.8	86.4	6.3	7.3											
	TCE-WQM2a	Cloudy	Moderate	15:24	6.8	Surface	1.0	1	19.9	8.1	25.3	6.5	82.8	4.5	4.9	6.5	3.9	4.5			
		2	19.9	8.1	25.3	6.5	82.8	4.5	5.5												
	Middle	3.4	1	19.9	8.1	26.3	6.5	82.8	4.0	3.7											
		2	19.9	8.1	26.5	6.5	82.8	4.0	3.2												
	Bottom	5.8	1	19.9	8.1	27.3	6.4	83.0	3.0	5.0											
		2	19.9	8.1	27.3	6.4	83.1	3.4	4.8												
	TCE-WQM2b	Cloudy	Moderate	15:37	10.7	Surface	1.0	1	20.1	8.1	22.3	6.8	85.6	2.5	3.7	6.7	4.5	4.9			
		2	20.1	8.1	22.3	6.8	85.5	2.5	3.3												
	Middle	5.4	1	19.7	8.1	24.7	6.6	83.5	5.1	4.9											
		2	19.7	8.1	24.7	6.6	83.5	5.3	4.5												
	Bottom	9.7	1	19.8	8.1	24.8	6.7	84.3	5.7	6.3											
		2	19.8	8.1	24.8	6.7	84.7	5.6	6.8												
	TCE-WQM3A	Cloudy	Calm	15:14	3.5	Surface	1.0	1	20.0	8.0	23.8	6.5	82.3	4.6	6.2	6.5	5.4	6.4			
		2	20.0	8.0	23.8	6.5	82.2	5.0	5.4												
	Bottom	2.5	1	19.9	8.0	24.0	6.6	83.0	6.1	7.2											
		2	19.9	8.0	24.0	6.6	83.7	6.0	6.6												
	TCE-WQM4	Cloudy	Calm	15:02	3.2	Surface	1.0	1	19.9	8.0	23.9	6.6	83.9	3.8	4.3				6.6	3.8	4.2
		2	19.9	8.0	23.9	6.6	83.8	3.8	3.6												
Bottom	2.2	1	19.8	8.0	24.0	6.7	84.5	3.8	4.7												
	2	19.8	8.0	24.0	6.7	84.9	3.8	4.0													
Surface	1.0	1	19.8	8.1	23.7	7.0	88.4	6.4	3.7												
	2	19.7	8.2	23.8	7.0	88.7	7.4	4.3													
Middle	4.1	1	20.1	8.1	30.8	6.8	89.8	11.8	4.4												
	2	20.1	8.1	30.8	6.8	89.8	11.8	4.7													
Bottom	7.1	1	20.3	8.1	31.7	6.8	90.6	10.6	5.1												
	2	20.2	8.1	31.7	6.8	90.6	10.8	4.9													
TCE-C2	Cloudy	Moderate	8:52	13.4	Surface	1.0	1	19.8	8.2	26.1	6.4	82.2	3.5	2.3	6.4	2.5	3.8				
	2	19.8	8.2	26.2	6.4	82.2	3.4	3.1													
Middle	6.7	1	19.7	8.2	26.5	6.4	81.7	2.0	3.1												
	2	19.7	8.2	26.5	6.4	81.7	2.0	3.8													
Bottom	12.4	1	19.7	8.2	26.4	6.4	81.7	2.1	4.7												
	2	19.7	8.2	26.2	6.4	81.7	2.1	5.5													
TCE-WQMI	Cloudy	Calm	10:15	8.2	Surface	1.0	1	19.4	8.1	24.2	6.5	81.4	4.0	7.7	6.5	4.9	5.1				
	2	19.4	8.1	24.3	6.5	81.3	4.1	6.9													
Middle	4.1	1	19.4	8.1	24.4	6.5	81.2	4.6	4.8												
	2	19.4	8.1	24.6	6.5	81.2	4.9	4.5													
Bottom	7.2	1	19.5	8.1	24.9	6.5	81.3	6.0	3.4												
	2	19.5	8.1	24.9	6.5	81.4	6.1	3.2													
TCE-WQM2a	Cloudy	Moderate	9:39	7.1	Surface	1.0	1	19.5	8.1	24.5	6.6	82.7	4.5	9.2	6.5	4.7	7.4				
	2	19.5	8.1	24.5	6.6	82.7	4.5	9.2													
Middle	3.6	1	19.6	8.0	24.7	6.5	82.3	4.0	8.8												
	2	19.7	8.0	24.7	6.5	82.3	4.2	8.0													
Bottom	6.1	1	19.8	8.0	26.4	6.6	84.0	5.4	4.3												
	2	19.8	8.0	26.4	6.6	84.7	5.4	4.7													
TCE-WQM2b	Cloudy	Rough	9:25	10.9	Surface	1.0	1	19.6	8.1	24.9	6.5	82.4	4.2	3.6	6.4	10.0	7.4				
	2	19.6	8.1	24.9	6.5	82.5	4.2	3.4													
Middle	5.5	1	19.8	8.1	26.1	6.3	81.0	9.3	9.6												
	2	19.8	8.1	26.1	6.3	81.0	9.4	9.2													
Bottom	9.9	1	19.9	8.1	28.4	6.2	81.0	16.6	8.8												
	2	19.9	8.1	28.4	6.2	81.1	16.5	9.6													
TCE-WQM3A	Cloudy	Calm	9:51	3.6	Surface	1.0	1	19.4	8.0	23.7	6.7	83.1	4.0	7.2	6.6	4.4	6.3				
	2	19.4	8.0	23.7	6.7	83.3	4.0	6.5													
Bottom	2.6	1	19.4	8.0	23.8	6.7	84.3	4.8	6.1												
	2	19.4	8.0	23.8	6.8	84.8	4.8	5.4													
TCE-WQM4	Cloudy	Calm	10:03	3.3	Surface	1.0	1	19.4	8.0	23.9	6.7	83.3	4.0	6.5				6.7	4.3	6.5	
	2	19.4	8.0	23.9	6.7	83.4	4.0	7.2													
Bottom	2.3	1	19.4	8.0	23.9	6.7	83.7	4.4	6.3												
	2	19.4	8.0	23.9	6.7	83.8	4.8	5.8													

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)	
13-03-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:37	8.2	Surface	1.0	1	20.9	8.2	24.7	7.3	94.1	5.0	7.5	7.1	6.1	6.3	
									2	20.9	8.2	24.6	7.3	94.1	5.0	7.2				
							Middle	4.1	1	20.7	8.2	30.9	7.0	93.6	5.0	3.8				
									2	20.7	8.2	31.0	7.0	93.6	5.2	5.5				
							Bottom	7.2	1	20.8	8.2	31.7	7.0	93.7	8.3	5.6				
									2	20.8	8.2	31.7	7.0	93.8	8.2	6.2				
				1	20.6	8.1	24.8	6.8	87.8	5.3	5.9									
				2	20.6	8.1	24.8	6.8	87.7	5.4	5.6									
				1	20.5	8.1	26.0	6.7	86.0	5.4	5.8									
				2	20.5	8.1	26.0	6.7	86.0	5.4	5.6									
				1	20.4	8.1	26.6	6.7	86.3	5.0	7.7									
				2	20.4	8.1	26.6	6.7	86.4	5.0	7.6									
				1	20.8	8.1	24.8	6.9	89.5	6.3	8.0									
				2	20.8	8.1	24.8	6.9	89.4	6.4	8.0									
				1	20.7	8.1	25.1	6.8	87.7	7.2	7.8									
				2	20.7	8.1	25.2	6.8	87.6	7.3	7.3									
				1	20.6	8.1	25.9	6.7	86.9	10.8	8.0									
				2	20.6	8.1	25.9	6.7	87.2	11.0	7.3									
				1	20.6	8.1	24.3	7.0	89.3	5.4	5.1									
				2	20.6	8.1	24.3	7.0	89.3	5.4	5.1									
				1	20.4	8.1	25.0	6.7	86.2	6.2	5.5									
				2	20.4	8.1	25.0	6.7	86.1	6.2	6.0									
				1	20.3	8.1	26.0	6.7	86.3	5.3	5.7									
				2	20.3	8.1	26.0	6.7	86.6	5.3	6.3									
			1	20.4	8.1	23.2	6.9	87.4	4.6	5.4										
			2	20.4	8.1	23.2	6.9	87.3	4.5	4.8										
			1	20.3	8.1	26.2	6.5	83.3	7.0	4.0										
			2	20.3	8.1	26.2	6.5	83.4	7.1	4.7										
			1	20.3	8.1	26.2	6.6	84.6	8.1	3.9										
			2	20.3	8.1	26.2	6.6	84.9	8.2	3.9										
			1	20.7	8.1	24.0	6.8	86.9	11.4	10.0										
			2	20.7	8.1	24.0	6.8	86.9	11.5	10.1										
			1	20.4	8.1	24.3	6.8	87.5	16.8	8.5										
			2	20.4	8.1	24.3	6.9	87.9	16.6	8.0										
			1	20.5	8.1	24.0	6.7	86.2	7.2	7.7										
			2	20.5	8.1	24.0	6.7	86.0	8.3	8.4										
	13-03-2019	Mid-Flood	TCE-C1	Sunny	Moderate	11:41	8.1	Surface	1.0	1	20.5	8.2	24.3	7.2	91.8	4.7	5.1	7.0	12.7	4.8
										2	20.5	8.2	24.2	7.2	91.8	4.7	5.9			
								Middle	4.1	1	20.7	8.2	30.9	6.9	92.0	14.6	5.4			
										2	20.7	8.2	30.9	6.9	92.1	14.7	4.6			
								Bottom	7.1	1	20.7	8.2	31.2	6.9	92.6	18.7	3.7			
										2	20.7	8.2	31.2	6.9	92.7	18.9	4.3			
					1	20.1	8.1	25.2	6.7	85.1	4.0	5.3								
					2	20.1	8.1	25.2	6.7	85.0	4.0	5.4								
					1	20.3	8.1	29.8	6.4	84.3	2.7	5.0								
					2	20.3	8.1	29.8	6.4	84.3	2.6	5.1								
					1	20.4	8.1	30.6	6.4	84.3	4.9	6.0								
					2	20.4	8.1	30.6	6.4	84.5	5.2	5.4								
				1	20.2	8.1	23.8	6.9	87.5	4.7	3.9									
				2	20.2	8.1	23.8	6.9	87.5	4.6	4.5									
				1	20.2	8.1	24.3	6.9	87.3	4.8	5.1									
				2	20.2	8.1	24.2	6.9	87.4	4.9	4.5									
				1	20.2	8.1	24.9	6.9	88.5	5.9	5.4									
				2	20.2	8.1	24.9	6.9	88.7	5.7	5.5									
				1	20.1	8.1	23.6	6.8	86.7	6.4	6.1									
				2	20.1	8.1	23.6	6.8	86.7	6.4	6.9									
				1	20.1	8.1	24.5	6.7	84.6	6.7	7.2									
				2	20.1	8.1	24.5	6.7	84.6	6.9	7.9									
				1	20.1	8.1	26.8	6.6	85.0	7.8	7.2									
				2	20.1	8.1	26.8	6.6	85.3	7.8	8.1									
			1	20.1	8.1	24.5	6.7	85.6	4.1	3.7										
			2	20.1	8.1	24.5	6.7	85.6	4.1	4.4										
			1	20.1	8.1	25.8	6.6	84.9	4.6	4.2										
			2	20.1	8.1	25.8	6.6	84.9	4.7	3.2										
			1	20.2	8.1	26.4	6.7	85.9	4.5	5.3										
			2	20.2	8.1	26.4	6.7	86.2	4.5	4.6										
			1	20.1	8.1	23.4	6.8	86.1	5.8	4.8										
			2	20.1	8.1	23.4	6.8	86.2	5.7	5.0										
			1	20.1	8.1	23.4	7.0	88.1	18.9	6.3										
			2	20.1	8.1	23.4	7.0	88.5	19.1	5.4										
			1	20.1	8.1	23.6	6.8	85.9	6.8	4.9										
			2	20.1	8.1	23.6	6.8	85.9	6.9	4.6										
			1	20.1	8.1	23.9	6.8	86.4	7.5	7.7										
			2	20.1	8.1	23.9	6.8	86.6	7.6	6.9										

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)
15-03-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	18:01	8.1	Surface	1.0	1	20.2	8.3	29.3	6.9	90.3	2.0	2.8	6.8	2.2	3.5
								2	20.3	8.3	29.2	6.9	90.4	2.1	3.2				
							Middle	4.1	1	20.6	8.3	32.8	6.8	91.0	2.4	3.0			
								2	20.6	8.3	32.9	6.8	91.1	2.4	3.1				
							Bottom	7.1	1	20.6	8.3	33.0	6.8	91.1	2.2	4.6			
								2	20.6	8.3	33.0	6.8	91.1	2.3	4.2				
			1	19.4	8.2	23.6	7.0	87.7	1.3	6.0	6.6	1.3	3.8						
		Surface	1.0	1	19.4	8.2	23.6	7.0	87.7	1.3				6.0					
			2	19.4	8.2	23.6	7.0	87.3	1.3	6.1									
		Middle	7.1	1	20.1	8.2	30.4	6.2	82.2	1.1				3.6					
			2	20.2	8.2	30.4	6.2	82.2	1.1	2.8									
		Bottom	13.2	1	20.3	8.2	31.9	6.3	84.6	1.4				2.3					
			2	20.3	8.2	31.9	6.4	84.8	1.4	1.8	6.4	4.8	4.4						
		Surface	1.0	1	20.2	8.3	26.3	6.5	84.3	3.2				4.9					
			2	20.2	8.3	26.3	6.6	84.5	3.4	5.7									
		Middle	4.1	1	20.3	8.3	29.9	6.5	85.2	5.0				3.9					
			2	20.3	8.3	30.0	6.5	85.2	5.2	3.5									
		Bottom	7.2	1	20.3	8.3	30.3	6.5	85.6	5.9				4.3					
			2	20.3	8.3	30.3	6.5	85.7	6.0	4.3	6.4	1.8	3.6						
		Surface	1.0	1	19.8	8.2	25.1	6.6	84.1	2.1				4.5					
			2	19.8	8.2	25.1	6.6	84.1	2.1	3.8									
		Middle	4.0	1	20.1	8.2	29.3	6.2	81.4	1.6				4.3					
			2	20.1	8.2	29.3	6.2	81.3	1.5	4.4									
		Bottom	6.9	1	20.2	8.2	31.5	6.1	81.7	1.7				2.2					
		2	20.2	8.2	31.5	6.2	81.7	1.8	2.1	6.7	2.8	3.0							
	Surface	1.0	1	19.6	8.2	24.6	6.9	86.5	1.4				3.3						
		2	19.7	8.2	24.6	6.8	86.4	1.4	2.6										
	Middle	5.9	1	19.8	8.2	27.2	6.6	85.5	1.2				2.1						
		2	19.8	8.2	27.3	6.6	85.4	1.2	2.7										
	Bottom	10.7	1	20.2	8.2	31.1	6.3	83.3	5.9				3.4						
		2	20.2	8.2	31.2	6.3	83.6	5.7	4.1	6.1	5.5	7.9							
	Surface	1.0	1	19.9	8.2	25.4	6.1	78.4	5.1				7.5						
		2	19.9	8.2	25.4	6.1	78.4	5.1	8.2										
	Bottom	2.6	1	20.0	8.1	28.0	6.2	80.1	5.9				8.3						
		2	20.0	8.1	28.0	6.2	80.5	5.7	7.7										
	Surface	1.0	1	19.9	8.2	25.4	6.4	81.4	2.6				3.4						
		2	19.9	8.2	25.5	6.4	81.4	2.7	4.0	6.4	2.8	3.7							
	Bottom	2.8	1	20.0	8.2	25.6	6.4	81.9	3.1				3.9						
		2	20.0	8.2	25.6	6.4	82.1	3.0	3.5										
	Surface	1.0	1	20.0	8.3	26.6	7.0	89.9	1.7				1.9						
		2	20.0	8.3	26.7	7.0	89.9	1.8	2.6										
	Middle	4.0	1	20.6	8.3	32.9	6.7	90.5	3.7				2.9						
		2	20.6	8.3	33.0	6.7	90.6	3.8	3.6	6.7	3.1	3.4							
	Bottom	6.9	1	20.6	8.3	33.0	6.7	90.9	3.9				4.2						
		2	20.6	8.3	33.0	6.7	90.9	3.8	5.0										
	Surface	1.0	1	19.6	8.2	25.5	6.7	85.4	1.2				2.8						
		2	19.6	8.2	25.5	6.7	85.2	1.2	2.5										
	Middle	7.0	1	20.3	8.2	31.7	6.2	82.7	1.1				1.7						
	2	20.3	8.2	31.8	6.2	82.7	1.1	1.9	6.2	1.1	2.3								
Bottom	12.9	1	20.3	8.2	31.9	6.2	82.9	1.1				2.6							
	2	20.3	8.2	31.8	6.2	83.0	1.1	2.1											
Surface	1.0	1	19.7	8.2	24.6	6.8	86.1	1.7				3.5							
	2	19.7	8.2	24.6	6.8	86.0	1.7	3.6											
Middle	4.0	1	20.0	8.2	26.2	6.5	83.4	2.7				2.8							
	2	20.1	8.2	26.3	6.5	83.7	2.9	2.2	6.6	2.7	3.1								
Bottom	7.0	1	20.1	8.2	26.6	6.6	85.2	3.3				3.4							
	2	20.1	8.2	26.6	6.6	85.5	3.7	3.2											
Surface	1.0	1	19.8	8.2	23.8	6.5	81.7	2.0				2.4							
	2	19.8	8.2	23.8	6.5	81.7	2.0	2.2											
Middle	3.8	1	20.1	8.2	26.8	6.3	81.1	3.0				2.5							
	2	20.1	8.2	26.8	6.3	81.4	2.9	2.8	6.3	3.3	2.3								
Bottom	6.5	1	20.0	8.2	29.7	6.3	82.7	4.7				2.1							
	2	20.0	8.2	29.7	6.3	83.0	4.9	1.7											
Surface	1.0	1	19.6	8.2	23.4	6.7	84.5	1.6				2.4							
	2	19.6	8.2	23.4	6.7	84.4	1.6	2.9											
Middle	5.8	1	20.2	8.2	30.6	6.0	79.2	3.1				1.8							
	2	20.2	8.2	30.7	6.0	79.3	3.1	2.4	6.1	2.8	2.2								
Bottom	10.5	1	20.2	8.2	31.0	6.1	80.7	3.6				1.8							
	2	20.2	8.2	31.0	6.1	81.1	3.7	2.1											
Surface	1.0	1	19.6	8.1	23.5	6.8	85.1	1.7				1.5							
	2	19.6	8.1	23.5	6.8	85.1	1.7	1.8											
Bottom	2.6	1	19.6	8.1	23.7	6.7	84.7	1.9				2.3							
	2	19.6	8.2	23.7	6.7	84.6	2.2	3.1	6.7	1.9	2.2								
Surface	1.0	1	19.8	8.2	24.9	6.8	85.6	2.0				3.2							
	2	19.8	8.2	25.0	6.7	85.6	2.3	3.0											
Bottom	2.2	1	19.8	8.2	25.5	6.8	86.2	3.3				3.2							
	2	19.8	8.2	25.5	6.8	86.5	3.2	3.5											

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)
18-03-2019	Mid-Ebb	TCE-C1	Sunny	Calm	12:02	7.3	Surface	1.0	1	20.9	8.4	28.3	7.2	94.7	5.1	7.6	7.2	5.4	7.7
								2	20.9	8.4	28.3	7.2	94.6	5.1	8.1				
							Middle	3.7	1	20.9	8.4	28.4	7.2	94.4	5.6	8.6			
								2	20.9	8.4	28.4	7.2	94.4	5.7	9.0				
							Bottom	6.3	1	20.9	8.4	28.4	7.2	94.5	5.3	6.1			
								2	20.9	8.4	28.3	7.2	94.6	5.3	6.6				
			1	20.9	8.4	27.7	6.9	90.8	2.9	7.1	7.2	6.9	3.0	7.4					
		Surface	1.0	2	20.8	8.4	27.9	6.9	90.4	2.9					7.8				
		Middle	7.4	1	20.8	8.4	28.4	6.8	90.0	3.0					7.0				
			2	20.8	8.4	28.5	6.8	89.9	3.1	6.4									
		Bottom	13.7	1	20.7	8.4	28.6	6.8	89.9	3.0					7.9				
			2	20.7	8.4	28.6	6.8	89.9	3.0	8.1									
			1	20.9	8.4	28.3	7.2	94.8	5.5	5.2	7.2	5.5	5.1						
		TCE-WQMI	Sunny	Calm	11:31	9.7	Surface	1.0	2	20.9				8.4	28.3	7.2	94.8	5.5	5.4
							1	20.9	8.4	28.3				7.2	94.8	5.6	5.7		
		Middle					4.9	2	20.9	8.4				28.3	7.2	94.9	5.6	5.6	
							1	20.9	8.4	28.3				7.2	95.0	5.3	4.5		
		Bottom					8.7	2	20.9	8.4				28.3	7.2	95.1	5.3	4.3	
		1					20.9	8.4	28.3	7.2	92.5	3.5	5.1						
		1	20.9	8.4	27.9	7.0	92.5	3.5	4.7	7.2	6.9	3.1	6.1						
	TCE-WQM2a	Sunny	Calm	10:56	8.4	Surface	1.0	2	20.9					8.4	27.9	7.0	92.5	3.5	4.7
						1	20.8	8.4	28.7					6.8	89.8	3.0	5.6		
	Middle					4.2	2	20.7	8.4					28.8	6.8	89.5	2.9	4.9	
						1	20.7	8.4	29.3					6.7	89.1	2.9	8.2		
	Bottom					7.4	2	20.7	8.4					29.3	6.7	89.3	2.9	8.2	
						1	20.9	8.4	26.2	7.2	93.7	2.8	5.6						
		1	20.7	8.3	28.8	6.8	89.3	3.3	6.1	7.0	3.1	6.4							
	TCE-WQM2b	Sunny	Calm	10:45	10.8	Surface	1.0	2	20.8				8.4	26.2	7.2	93.4	2.9	6.0	
						1	20.7	8.3	28.8				6.8	89.3	3.3	6.1			
	Middle					5.4	2	20.7	8.3				28.8	6.8	89.4	3.3	5.7		
						1	20.7	8.4	28.8				6.8	90.0	3.1	7.2			
	Bottom					9.8	2	20.7	8.4				28.8	6.8	90.2	3.2	7.5		
						1	20.8	8.3	27.7	7.0	92.0	6.1	6.8						
		1	20.8	8.3	27.7	7.0	92.0	6.1	6.6	7.0	6.9	6.4							
	TCE-WQM3A	Sunny	Calm	11:08	4.7	Surface	1.0	2	20.8				8.3	27.7	7.0	92.0	6.1	6.6	
						1	20.8	8.3	27.7				7.1	92.7	7.7	5.7			
Middle	3.7					2	20.8	8.3	27.7				7.1	93.0	7.7	6.5			
	1					20.9	8.4	27.9	7.3				96.1	7.0	7.0				
Bottom	3.7					2	20.9	8.4	27.9				7.3	96.1	7.0	6.3			
	1					21.0	8.5	28.7	7.9	104.3	3.6	5.4							
	1	20.9	8.5	28.9	7.8	103.4	3.6	5.8	7.6	4.5	5.9								
TCE-C1	Sunny	Calm	14:49	7.9	Surface	1.0	2	20.9				8.5	28.9	7.8	103.4	3.6	5.8		
					1	20.9	8.5	29.8				7.3	97.1	4.9	6.1				
Middle					4.0	2	20.9	8.5				29.8	7.3	97.1	4.9	6.6			
					1	20.9	8.5	29.8				7.3	97.3	5.0	6.0				
Bottom					6.9	2	20.9	8.5				29.8	7.3	97.3	5.1	5.6			
					1	21.3	8.4	28.0	7.3	96.4	2.0	5.6							
	1	21.0	8.4	28.1	7.2	96.0	2.1	5.7	7.2	2.3	6.8								
TCE-C2	Sunny	Calm	16:58	13.6	Surface	1.0	2	21.3				8.4	28.1	7.2	96.0	2.1	5.7		
					1	21.0	8.4	29.0				7.1	94.5	2.6	6.2				
Middle					6.8	2	21.0	8.4				29.0	7.1	94.8	2.6	7.0			
					1	21.0	8.4	28.9				7.2	95.5	2.3	8.3				
Bottom					12.6	2	21.1	8.4				28.8	7.2	96.1	2.4	8.1			
					1	21.7	8.4	27.8	7.8	104.0	3.4	7.6							
	1	21.3	8.4	27.9	7.8	104.0	3.4	8.4	7.6	3.7	7.7								
TCE-WQMI	Sunny	Calm	15:44	8.5	Surface	1.0	2	21.7				8.4	27.9	7.8	104.0	3.4	8.4		
					1	21.3	8.4	28.0				7.5	99.8	3.8	8.4				
Middle					4.3	2	21.3	8.4				28.1	7.5	99.7	3.9	8.5			
					1	21.3	8.4	28.1				7.5	99.7	3.8	6.8				
Bottom					7.5	2	21.3	8.4				28.1	7.5	99.7	3.8	6.6			
					1	21.2	8.4	27.6	7.3	96.6	4.2	5.3							
	1	21.2	8.4	27.6	7.3	96.6	4.2	5.5	7.3	6.1	7.3								
TCE-WQM2a	Sunny	Calm	16:17	7.2	Surface	1.0	2	21.2				8.4	27.6	7.3	96.6	4.2	5.5		
					1	21.1	8.4	28.0				7.2	95.4	6.5	8.2				
Middle					3.6	2	21.1	8.4				28.0	7.2	95.3	6.6	8.6			
					1	21.0	8.4	28.1				7.2	95.3	7.6	8.1				
Bottom					6.2	2	21.0	8.4				28.1	7.2	95.4	7.5	8.2			
					1	20.9	8.4	27.4	7.1	93.1	3.6	6.1							
	1	20.9	8.4	27.4	7.1	93.2	3.7	5.9	7.1	4.6	6.7								
TCE-WQM2b	Sunny	Calm	16:30	11.4	Surface	1.0	2	20.9				8.4	27.4	7.1	93.2	3.7	5.9		
					1	20.9	8.4	27.4				7.1	93.6	4.0	6.7				
Middle					5.7	2	20.8	8.4				27.5	7.1	93.7	4.0	6.6			
					1	20.8	8.4	27.5				7.2	94.2	6.2	7.5				
Bottom					10.4	2	20.9	8.4				27.5	7.2	94.5	6.2	7.3			
					1	21.2	8.4	27.5	7.3	97.1	4.5	6.6							
	1	21.2	8.4	27.5	7.3	97.2	4.5	6.6	7.3	6.5	6.9								
TCE-WQM3A	Sunny	Calm	16:06	3.6	Surface	1.0	2	21.2				8.4	27.5	7.3	97.1	4.5	6.6		
					1	21.2	8.4	27.5				7.4	97.5	8.6	7.0				
Middle					2.6	2	21.3	8.4				27.5	7.4	97.6	8.6	7.4			
					1	21.4	8.4	27.9				7.4	98.8	7.1	7.5				
Bottom					2.6	2	21.4	8.4				27.8	7.4	98.9	7.1	7.3			
					1	21.4	8.4	27.8	7.4	98.9	7.1	7.3							
	1	21.4	8.4	27.9	7.4	98.8	7.1	7.5	7.4	7.1	7.4								
TCE-WQM4	Sunny	Calm	15:55	2.8	Middle	1.4	2	21.4				8.4	27.9	7.4	98.8	7.1	7.5		
					1	21.4	8.4	27.8				7.4	98.9	7.1	7.3				

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (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)					
20-03-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	14:13	8.2	Surface	1	2	22.0	8.3	26.2	7.5	100.2	4.6	7.9	7.3	7.8	9.0					
								2	21.3	8.3	27.7	7.2	94.7	5.0	7.9									
							Middle	4.1	1	21.3	8.3	27.7	7.1	94.7	5.3	8.4								
								2	21.3	8.3	27.9	7.0	93.3	13.8	10.2									
							Bottom	7.2	1	21.3	8.3	27.9	7.0	93.2	13.6	10.6								
								2	21.6	8.3	26.0	7.0	93.1	2.6	4.6									
			2	21.3	8.3	27.9	7.0	93.0	2.7	4.6														
		TCE-C2	Cloudy	Moderate	11:56	12.8	Surface	1	1	21.7	8.3	26.0	7.0	93.0	2.7	4.6	6.8	3.2	5.6					
							2	21.6	8.3	26.1	7.0	93.0	2.7	4.6										
		Middle					6.4	1	21.2	8.3	29.9	6.6	87.7	3.3	5.1									
							2	21.2	8.3	29.9	6.6	87.9	3.3	5.1										
		Bottom					11.8	1	21.2	8.3	30.0	6.7	89.3	3.7	6.5									
		2					21.2	8.3	30.0	6.7	89.6	3.6	7.1											
	TCE-WQMI	Cloudy	Calm	13:19	8.1	Surface	1	1	21.7	8.3	25.9	7.0	92.6	8.1	10.6	7.0	9.1	12.3						
						2	21.7	8.3	25.9	7.0	92.5	8.6	10.5											
	Middle					4.05	1	21.7	8.3	25.9	7.0	92.0	9.4	9.3										
						2	21.7	8.3	25.9	7.0	91.9	9.4	10.0											
	Bottom					7.1	1	21.7	8.3	25.9	6.9	91.3	9.5	17.1										
						2	21.7	8.3	25.9	6.9	91.1	9.8	16.5											
	TCE-WQM2a	Cloudy	Moderate	12:44	7.3	Surface	1	1	21.5	8.3	26.3	6.8	90.1	4.3	7.4	6.7	3.7	6.7						
						2	21.5	8.3	26.3	6.8	90.1	4.3	7.3											
	Middle					3.65	1	21.3	8.3	27.2	6.6	87.2	3.5	7.0										
						2	21.3	8.3	27.3	6.6	87.1	3.5	6.1											
	Bottom					6.3	1	21.2	8.3	27.5	6.6	86.9	3.4	6.5										
	2					21.2	8.3	27.5	6.6	87.0	3.5	5.7												
TCE-WQM2b	Cloudy	Moderate	12:32	11.6	Surface	1	1	21.6	8.3	23.2	7.2	93.4	4.2	3.9	7.0	7.4	5.4							
					2	21.6	8.3	23.2	7.2	93.1	4.2	3.6												
Middle					5.8	1	21.5	8.3	25.8	6.9	90.4	8.4	5.9											
					2	21.5	8.3	25.8	6.9	90.3	9.0	5.7												
Bottom					10.6	1	21.5	8.3	25.9	6.9	90.2	9.3	6.6											
					2	21.5	8.3	25.8	6.9	90.2	9.3	6.5												
TCE-WQM3a	Cloudy	Calm	12:57	3.6	Surface	1	1	21.8	8.3	25.9	6.8	89.9	7.7	6.4	6.8	8.3	5.9							
					2	21.8	8.3	25.9	6.8	89.8	7.7	5.5												
Bottom					2.6	1	21.8	8.3	25.9	6.7	88.8	8.8	5.5											
					2	21.8	8.3	25.9	6.7	88.5	9.0	6.0												
TCE-WQM4					Cloudy	Calm	13:08	3.4	Surface	1	1	22.1	8.3	26.1				7.1	94.9	5.9	5.2	7.1	6.9	6.3
									2	22.1	8.3	26.1	7.1	94.8				6.6	6.1					
Bottom	2.4	1	22.1	8.3					26.1	7.1	94.2	7.5	6.4											
	2	22.1	8.3	26.1					7.1	94.1	7.8	7.3												
	2	22.1	8.3	26.1					7.1	94.1	7.8	7.3												
	2	22.1	8.3	26.1					7.1	94.1	7.8	7.3												
20-03-2019	Mid-Flood	TCE-C1	Cloudy	Rough	16:42	7.9	Surface	1	1	22.1	8.3	26.0	7.7	102.5	3.5	6.4	7.3	7.7	6.6					
								2	21.3	8.3	27.2	6.6	87.2	3.5	6.9									
							Middle	3.95	1	21.3	8.3	27.8	7.0	95.0	9.4	6.6								
								2	21.3	8.3	27.8	7.0	92.9	9.4	6.9									
							Bottom	6.9	1	21.3	8.3	28.0	7.0	93.0	10.1	6.6								
								2	21.3	8.3	27.9	7.0	93.2	10.3	6.3									
		TCE-C2	Cloudy	Moderate	18:47	12.6	Surface	1	1	21.5	8.3	27.4	6.8	89.8	4.8	5.2	6.7	7.2	5.3					
							2	21.4	8.3	27.6	6.7	89.5	5.0	5.4										
		Middle					6.3	1	21.3	8.3	28.9	6.6	88.8	8.7	6.0									
							2	21.3	8.3	28.9	6.7	88.8	8.7	5.9										
		Bottom					11.6	1	21.3	8.3	28.9	6.7	89.1	7.9	4.5									
							2	21.3	8.3	28.9	6.7	89.2	7.8	4.7										
	TCE-WQMI	Cloudy	Moderate	17:28	8.3	Surface	1	1	22.2	8.3	25.9	7.2	95.5	7.5	10.2	7.1	10.3	10.3						
						2	22.2	8.3	25.9	7.2	95.3	7.6	9.5											
	Middle					4.15	1	22.1	8.3	26.0	7.1	94.6	10.2	11.0										
						2	22.1	8.3	26.0	7.1	94.5	10.2	10.3											
	Bottom					7.3	1	22.0	8.3	26.0	7.1	94.0	13.2	10.6										
						2	22.0	8.3	26.0	7.1	93.9	13.0	10.0											
	TCE-WQM2a	Cloudy	Moderate	18:04	7.7	Surface	1	1	21.8	8.3	24.9	7.3	95.5	3.7	5.6	7.2	4.2	5.9						
						2	21.8	8.3	24.9	7.3	95.5	3.7	5.2											
	Middle					3.85	1	21.6	8.3	25.7	7.1	93.4	4.2	5.4										
						2	21.6	8.3	25.7	7.1	93.5	4.2	6.2											
	Bottom					6.7	1	21.6	8.3	26.0	7.1	94.2	4.8	7.0										
						2	21.6	8.3	26.0	7.1	94.4	4.8	6.2											
TCE-WQM2b	Cloudy	Moderate	18:15	11.3	Surface	1	1	21.6	8.3	25.6	6.9	90.5	5.2	5.0	6.8	8.6	4.3							
					2	21.6	8.3	25.6	6.9	90.2	5.5	5.8												
Middle					5.65	1	21.5	8.3	25.9	6.8	89.0	9.5	3.6											
					2	21.5	8.3	26.0	6.7	88.8	9.2	3.7												
Bottom					10.3	1	21.5	8.3	26.1	6.7	87.8	11.0	3.5											
					2	21.5	8.3	26.1	6.7	87.7	11.0	3.9												
TCE-WQM3a	Cloudy	Calm	17:54	3.4	Surface	1	1	21.7	8.3	25.9	6.8	90.2	6.9	6.1	6.8	8.8	7.2							
					2	21.7	8.3	25.9	6.8	89.8	6.9	6.5												
Bottom					2.4	1	21.7	8.3	25.9	6.7	88.1	10.5	7.6											
					2	21.7	8.3	25.9	6.6	87.7	10.8	8.5												
TCE-WQM4					Cloudy	Calm	17:42	3.1	Surface	1	1	21.7	8.3	26.0				6.9	91.0	13.6	9.8	6.9	13.6	8.6
									2	21.7	8.3	26.0	6.9	90.7				13.4	9.1					
Bottom	2.1	1	21.7	8.3					26.0	6.7	89.0	13.6	7.3											
	2	21.7	8.3	26.0					6.7	88.6	13.7	8.2												
	2	21.7	8.3	26.0					6.7	88.6	13.7	8.2												
	2	21.7	8.3	26.0					6.7	88.6	13.7	8.2												

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged							
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)					
22-03-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:16	9.8	Surface	1.0	1	21.5	8.3	27.8	7.0	93.8	2.2	2.3	7.0	3.2	3.5					
								2	21.5	8.3	27.8	6.9	92.4	2.9	3.1									
							Middle	4.9	1	21.3	8.3	29.6	6.9	92.4	2.8	3.4								
								2	21.3	8.3	29.6	6.8	92.1	4.8	4.7									
							Bottom	8.8	1	21.4	8.3	30.2	6.8	92.1	4.7	4.3								
								2	21.4	8.3	30.2	6.6	87.3	2.8	5.4									
			2	21.9	8.2	26.5	6.6	87.2	2.8	5.1														
		TCE-C2	Cloudy	Moderate	14:14	14.5	Surface	1.0	1	21.9	8.2	26.5	6.6	87.3	2.8	5.4	6.4	6.4	6.7					
							2	21.9	8.2	26.5	6.6	87.2	2.8	5.1										
		Middle					7.3	1	21.8	8.2	27.1	6.3	84.0	7.6	6.0									
							2	21.8	8.2	27.1	6.3	84.0	7.7	6.4										
		Bottom					13.5	1	21.3	8.2	29.6	6.2	83.0	8.8	8.9									
		2					21.3	8.2	29.6	6.2	83.3	8.9	8.1											
		2	21.8	8.3	27.6	6.6	88.1	5.7	9.7															
	TCE-WQMI	Cloudy	Calm	12:58	9.5	Surface	1.0	1	21.8	8.2	27.5	6.6	88.0	4.9	7.4	6.6	5.2	8.8						
						2	21.8	8.2	27.5	6.6	88.0	4.9	8.3											
	Middle					4.8	1	21.8	8.2	27.5	6.6	88.0	5.3	8.9										
						2	21.8	8.2	27.5	6.6	87.9	4.9	8.3											
	Bottom					8.5	1	21.8	8.3	27.6	6.6	88.1	5.7	10.4										
						2	21.8	8.3	27.6	6.6	88.1	5.7	9.7											
	TCE-WQM2a	Cloudy	Moderate	13:35	8.3	Surface	1.0	1	21.9	8.2	26.6	6.4	85.7	2.7	4.3	6.5	4.4	4.3						
						2	21.9	8.2	26.6	6.4	85.7	2.7	4.3											
	Middle					4.2	1	21.7	8.2	26.7	6.5	85.9	2.0	4.3										
						2	21.7	8.2	26.7	6.5	85.8	2.0	4.6											
Bottom	7.3					1	21.5	8.2	27.4	6.4	84.8	8.1	3.6											
	2					21.5	8.2	27.4	6.4	85.1	8.6	4.0												
	2	21.7	8.2	25.1	6.5	85.3	3.4	6.2																
TCE-WQM2b	Cloudy	Moderate	13:50	12.4	Surface	1.0	1	21.7	8.2	25.1	6.5	85.3	3.4	6.2	6.4	11.0	8.4							
					2	21.7	8.2	25.1	6.5	85.3	3.5	6.2												
Middle					6.2	1	21.6	8.2	26.5	6.4	84.4	10.4	6.5											
					2	21.6	8.2	26.5	6.4	84.4	10.4	6.8												
Bottom					11.4	1	21.8	8.2	26.5	6.4	84.8	19.1	13.2											
					2	21.6	8.2	26.5	6.4	84.9	19.3	11.5												
TCE-WQM3A	Cloudy	Calm	13:23	4.2	Surface	1.0	1	22.1	8.2	26.4	6.3	84.4	4.6	7.1	6.3	6.2	7.9							
					2	22.1	8.2	26.4	6.3	84.4	4.8	7.8												
Bottom					3.2	1	22.1	8.2	26.5	6.4	85.5	7.8	8.7											
					2	22.1	8.2	26.5	6.4	85.8	7.9	8.0												
TCE-WQM4					Cloudy	Calm	13:11	3.6	Surface	1.0	1	22.2	8.2	26.5				6.4	85.4	2.9	3.1	6.4	6.1	3.6
									2	22.2	8.2	26.5	6.4	85.2				3.8	3.3					
Bottom	2.6	1	21.9	8.2					26.7	6.4	85.0	8.9	3.6											
	2	21.9	8.2	26.7					6.4	85.4	8.8	4.3												
	2	21.3	8.3	27.0					6.9	90.6	4.9	8.6												
	2	21.3	8.3	27.0					6.9	90.6	4.9	7.8												
	2	21.3	8.3	28.4	6.9	91.8	8.7	8.5																
	2	21.3	8.3	28.4	6.9	91.9	8.8	8.0																
	2	21.4	8.3	30.1	6.9	92.6	20.1	14.6																
	2	21.4	8.3	30.1	6.9	92.6	20.1	14.9																
	2	21.5	8.1	26.9	6.4	85.0	2.4	6.1																
	2	21.5	8.1	26.9	6.4	84.9	2.4	6.7																
	2	21.4	8.1	27.4	6.3	84.0	12.2	6.1																
	2	21.4	8.1	27.5	6.3	84.0	12.1	6.0																
	2	21.4	8.1	27.6	6.3	84.3	20.7	6.3																
	2	21.4	8.1	27.6	6.4	84.3	20.5	5.9																
TCE-WQMI	Cloudy	Calm	8:45	7.7	Surface	1.0	1	21.9	8.2	26.7	6.4	85.0	4.5	9.6	6.4	4.7	10.9							
					2	21.9	8.2	26.7	6.4	85.1	4.6	9.8												
Middle					3.9	1	21.9	8.2	26.7	6.4	85.2	4.6	10.2											
					2	21.9	8.2	26.7	6.4	85.2	4.6	10.5												
Bottom					6.7	1	21.9	8.2	26.7	6.5	86.2	5.1	13.0											
					2	21.9	8.2	26.7	6.5	86.4	5.0	12.3												
TCE-WQM2a	Cloudy	Moderate	8:10	7.9	Surface	1.0	1	21.6	8.2	26.0	6.5	86.4	2.5	5.7	6.5	6.8	4.8							
					2	21.6	8.2	26.0	6.5	86.4	2.5	5.1												
Middle					4.0	1	21.8	8.2	26.0	6.5	86.4	2.6	4.2											
					2	21.6	8.2	26.0	6.5	86.3	2.6	4.0												
Bottom					6.9	1	21.6	8.2	26.3	6.6	87.2	15.6	5.0											
					2	21.6	8.2	26.3	6.6	87.4	15.2	4.6												
TCE-WQM2b	Cloudy	Moderate	7:57	12.1	Surface	1.0	1	21.5	8.2	26.6	6.5	85.6	8.3	26.2	6.5	9.2	25.8							
					2	21.5	8.2	26.6	6.5	85.6	8.4	25.1												
Middle					6.1	1	21.5	8.2	26.6	6.5	85.6	9.4	27.0											
					2	21.5	8.2	26.6	6.5	85.6	9.7	27.8												
Bottom					11.1	1	21.5	8.2	26.6	6.5	86.3	9.8	23.8											
					2	21.5	8.2	26.6	6.5	86.4	9.9	24.9												
TCE-WQM3A	Cloudy	Moderate	8:22	4.1	Surface	1.0	1	21.7	8.2	26.5	6.4	84.1	3.1	6.4	6.4	4.1	6.7							
					2	21.7	8.2	26.5	6.4	84.1	3.0	6.3												
Bottom					3.1	1	21.6	8.2	26.5	6.5	85.9	5.1	7.0											
					2	21.6	8.2	26.5	6.5	86.4	5.4	7.0												
TCE-WQM4					Cloudy	Calm	8:33	2.9	Middle	1.5	1	21.7	8.2	26.4				6.5	85.8	5.9	8.6	6.5	5.9	8.7
									2	21.7	8.2	26.4	6.5	85.8				5.9	8.8					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
25-03-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	14:17	7.5	Surface	1.0	1	21.2	8.4	27.7	7.2	94.8	6.6	10.5	7.1	9.7	11.2
								2	21.2	8.4	27.8	7.1	94.8	6.7	10.6				
							Middle	3.8	1	21.3	8.4	29.3	7.1	94.5	13.3	11.1			
								2	21.3	8.4	29.3	7.1	94.5	13.4	11.5				
							Bottom	6.5	1	21.2	8.4	29.2	7.1	94.5	9.2	11.5			
								2	21.2	8.4	29.2	7.1	94.6	9.3	11.9				
			1	21.5	8.3	27.2	6.8	89.6	3.3	3.8	7.1	3.8	4.4						
			2	21.5	8.3	27.4	6.7	89.1	3.3	4.0									
		Middle	6.8	1	21.4	8.3	28.5	6.6	88.1	4.0				4.1					
			2	21.4	8.3	28.7	6.6	88.2	3.9	4.2									
		Bottom	12.6	1	21.4	8.3	28.7	6.7	89.1	4.0				4.9					
			2	21.4	8.3	28.5	6.7	89.3	4.0	5.1									
			1	21.3	8.3	27.6	6.8	90.2	6.8	6.0	6.8	8.3	8.4						
			2	21.3	8.3	27.6	6.8	90.2	6.9	6.2									
		Middle	4.2	1	21.2	8.3	27.7	6.8	90.1	8.8				8.2					
			2	21.2	8.3	27.7	6.8	90.1	8.8	8.6									
		Bottom	7.4	1	21.2	8.3	27.8	6.8	90.1	9.2				10.4					
			2	21.2	8.3	27.8	6.8	90.1	9.2	10.7									
			1	21.5	8.3	27.1	6.8	89.6	3.4	9.4	6.7	3.0	10.1						
			2	21.5	8.3	27.1	6.8	89.6	3.4	9.1									
		Middle	3.4	1	21.4	8.3	28.0	6.7	88.8	2.9				9.7					
			2	21.4	8.3	28.0	6.7	88.8	2.9	10.3									
		Bottom	5.8	1	21.4	8.3	28.1	6.7	89.0	2.9				11.1					
			2	21.4	8.3	28.1	6.7	89.1	2.9	10.7									
		1	21.5	8.3	26.2	6.9	91.3	4.5	4.7	6.9	4.1	5.9							
		2	21.5	8.3	26.2	6.9	91.3	4.5	5.3										
	Middle	5.1	1	21.5	8.3	26.6	6.9	91.2	4.0				5.9						
		2	21.5	8.3	26.6	6.9	91.2	4.0	5.6										
	Bottom	9.2	1	21.5	8.3	26.7	6.9	91.3	3.9				6.6						
		2	21.5	8.3	26.7	6.9	91.3	3.9	7.1										
		1	21.5	8.3	26.8	6.7	89.2	7.5	10.9	6.7	8.5	12.5							
		2	21.5	8.3	26.8	6.8	89.3	7.5	11.3										
	Middle	2.5	1	21.5	8.3	26.8	6.9	90.8	9.5				13.7						
		2	21.4	8.2	26.9	6.9	91.5	9.4	14.2										
	Bottom	1.5	1	21.4	8.3	27.1	6.7	88.9	11.5				10.4						
		2	21.4	8.3	27.1	6.7	89.1	11.5	10.1										
		1	21.2	8.4	28.3	7.1	94.4	5.5	4.8	7.1	10.0	7.0							
		2	21.2	8.4	28.6	7.1	94.4	5.5	4.6										
	Middle	4.0	1	21.2	8.3	29.2	7.1	94.2	10.0				6.6						
		2	21.2	8.3	29.2	7.0	94.2	9.9	7.3										
	Bottom	6.9	1	21.2	8.3	29.2	7.0	94.1	14.6				9.2						
		2	21.2	8.3	29.1	7.1	94.1	14.7	9.4										
		1	21.3	8.3	27.2	6.7	88.7	4.6	5.4	6.7	7.5	5.8							
		2	21.3	8.3	27.4	6.7	88.6	4.6	5.4										
	Middle	7.7	1	21.4	8.3	28.2	6.6	88.1	8.9				5.4						
		2	21.4	8.3	28.2	6.6	88.1	8.8	6.1										
	Bottom	14.4	1	21.4	8.3	28.2	6.6	88.2	9.0				6.6						
		2	21.4	8.3	28.2	6.6	88.2	9.0	6.1										
	1	21.1	8.3	26.9	6.8	88.8	7.2	5.0	6.8	6.5	5.7								
	2	21.1	8.3	26.9	6.8	88.8	7.1	5.5											
Middle	5.1	1	21.1	8.3	27.0	6.8	88.8	6.2				5.6							
	2	21.1	8.3	27.0	6.8	88.8	6.1	6.0											
Bottom	9.2	1	21.1	8.3	27.0	6.8	88.8	6.2				5.7							
	2	21.1	8.3	27.0	6.8	88.8	6.3	6.3											
	1	21.2	8.3	26.5	6.8	89.8	3.9	8.1	6.8	5.4	8.7								
	2	21.2	8.3	26.5	6.8	89.8	3.9	8.6											
Middle	4.2	1	21.3	8.3	26.8	6.7	88.8	6.1				8.5							
	2	21.3	8.3	26.8	6.7	88.8	6.0	8.9											
Bottom	7.4	1	21.3	8.3	26.9	6.7	88.6	6.3				8.8							
	2	21.3	8.3	26.9	6.7	88.6	6.3	9.0											
	1	21.3	8.3	26.7	6.8	89.4	8.0	5.0	6.8	8.1	6.3								
	2	21.3	8.3	26.8	6.8	89.3	8.0	4.9											
Middle	5.8	1	21.3	8.3	26.9	6.7	88.8	9.2				5.8							
	2	21.3	8.3	26.9	6.7	88.8	9.2	5.7											
Bottom	10.6	1	21.3	8.3	26.9	6.7	88.7	7.2				7.9							
	2	21.3	8.3	26.8	6.7	88.8	7.2	8.3											
	1	21.2	8.3	27.1	6.6	87.4	4.8	5.5	6.6	7.7	6.4								
	2	21.2	8.3	27.1	6.6	87.4	4.8	5.9											
Middle	3.7	1	21.2	8.3	27.2	6.7	87.9	10.6				6.8							
	2	21.2	8.3	27.2	6.7	88.1	10.6	7.4											
Bottom	1.0	1	21.3	8.3	27.3	6.7	88.6	7.0				5.2							
	2	21.3	8.3	27.2	6.7	88.5	6.9	5.3											
	1	21.3	8.3	27.2	6.7	88.2	8.1	5.8	6.7	7.5	5.6								
	2	21.3	8.3	27.2	6.7	88.2	8.1	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)							
27-03-2019	Mid-Ebb	TCE-C1	Sunny	Moderate	16:00	7.9	Surface	1.0	1	21.6	8.5	30.1	7.2	97.2	3.2	5.8	7.2	4.7	8.8							
								2	21.6	8.5	30.1	7.2	97.2	3.3	6.6											
							Middle	4.0	1	21.6	8.5	30.9	7.1	96.8	5.5	9.7										
								2	21.6	8.5	31.0	7.1	96.8	5.5	9.3											
							Bottom	6.9	1	21.6	8.5	31.0	7.2	97.1	5.3	10.7										
								2	21.6	8.5	30.9	7.2	97.2	5.3	10.6											
		TCE-C2	Sunny	Calm	17:48	13.6	Surface	1.0	1	22.0	8.4	26.7	7.0	93.0	3.0	4.4	7.0	3.8	3.8							
								2	22.0	8.4	26.8	7.0	93.0	2.9	4.9											
							Middle	6.8	1	21.9	8.4	27.0	7.0	93.1	2.9	3.5										
								2	21.9	8.4	27.0	7.0	93.1	2.9	3.5											
							Bottom	12.6	1	22.0	8.4	27.0	7.0	93.3	5.4	3.0										
								2	22.0	8.4	27.0	7.0	93.4	5.5	3.5											
		TCE-WQMI	Sunny	Calm	16:41	8.5	Surface	1.0	1	21.9	8.5	27.8	7.1	95.3	5.2	6.3	7.1	5.6	6.1							
								2	21.9	8.5	27.8	7.1	95.3	5.2	5.7											
							Middle	4.3	1	21.8	8.5	28.2	7.1	95.2	4.2	6.4										
								2	21.8	8.5	28.2	7.1	95.3	4.2	7.1											
							Bottom	7.5	1	21.8	8.6	28.2	7.1	95.4	7.3	5.5										
								2	21.8	8.6	28.2	7.1	95.4	7.3	5.7											
		TCE-WQM2a	Sunny	Calm	17:14	7.8	Surface	1.0	1	21.9	8.4	26.8	6.9	91.4	5.3	5.8	6.8	9.4	7.7							
								2	21.9	8.4	26.8	6.9	91.4	5.3	6.2											
							Middle	3.9	1	21.7	8.4	27.9	6.8	90.9	7.3	9.2										
								2	21.7	8.4	27.9	6.8	91.2	7.4	8.3											
							Bottom	6.8	1	21.8	8.4	27.7	6.9	91.7	15.5	8.2										
								2	21.8	8.4	27.7	6.9	92.0	15.4	8.3											
	TCE-WQM2b	Sunny	Calm	17:27	9.8	Surface	1.0	1	22.0	8.4	25.7	6.9	92.1	3.5	3.9	6.8	4.1	4.5								
							2	22.0	8.4	25.7	6.9	91.8	3.5	4.1												
						Middle	4.9	1	21.7	8.4	27.1	6.8	90.0	4.4	3.5											
							2	21.7	8.4	27.2	6.8	90.0	4.5	3.3												
						Bottom	8.8	1	21.7	8.4	27.2	6.8	90.2	4.5	6.6											
							2	21.7	8.4	27.2	6.8	90.3	4.5	5.4												
	TCE-WQMBa	Sunny	Calm	17:04	3.6	Surface	1.0	1	22.1	8.4	26.3	6.9	92.5	7.3	7.3	6.9	11.0	8.9								
							2	22.1	8.4	26.4	6.9	92.5	7.4	7.4												
						Bottom	2.6	1	22.0	8.4	26.4	6.9	92.5	14.6	10.0											
							2	22.0	8.4	26.4	6.9	92.6	14.6	10.9												
						TCE-WQM4	Sunny	Calm	16:53	3.2	Surface	1.0	1	22.0	8.4				26.4	7.0	93.1	7.4	7.4	7.0	8.7	9.7
											2	22.0	8.4	26.4	7.0				93.0	7.3	8.2					
	Bottom	2.2	1	21.9	8.4	26.5					7.0	92.7	10.1	11.8												
		2	21.9	8.4	26.5	7.0					92.7	10.1	11.2													
	TCE-C1	Sunny	Moderate	11:53	7.3	Surface					1.0	1	21.8	8.5	30.1	7.2	97.5	3.7	5.4	7.2	5.4	5.5				
						2					21.8	8.5	30.2	7.2	97.5	3.7	6.2									
	Middle					3.7	1	21.6	8.5	30.9	7.2	97.2	5.9	4.8												
						2	21.6	8.5	30.9	7.2	97.2	5.9	4.2													
	Bottom					6.3	1	21.6	8.5	31.1	7.2	97.3	6.7	5.9												
						2	21.6	8.5	31.1	7.2	97.3	6.7	6.4													
	TCE-C2	Sunny	Calm	9:53	15.4	Surface	1.0	1	21.7	8.4	27.3	6.9	91.9	1.9	4.1	6.9	1.8	4.2								
							2	21.7	8.4	27.4	6.9	91.9	1.9	3.5												
						Middle	7.7	1	21.7	8.4	27.5	6.9	92.1	1.8	3.2											
							2	21.7	8.4	27.5	6.9	92.2	1.8	3.0												
Bottom						14.4	1	21.7	8.4	27.4	7.0	92.7	1.8	5.1												
						2	21.7	8.4	27.4	7.0	92.9	1.8	6.0													
TCE-WQMI	Sunny	Calm	11:01	9.5	Surface	1.0	1	21.8	8.4	26.5	7.0	95.5	8.2	4.8	7.1	8.2	6.2									
						2	21.8	8.4	26.6	7.0	93.6	8.2	4.8													
					Middle	4.8	1	21.8	8.4	26.6	7.1	94.0	8.1	4.4												
						2	21.8	8.4	26.6	7.1	94.2	8.0	5.1													
					Bottom	8.5	1	21.8	8.4	26.6	7.1	94.6	8.3	8.9												
						2	21.8	8.4	26.6	7.1	94.7	8.3	8.9													
TCE-WQM2a	Sunny	Calm	10:29	8.4	Surface	1.0	1	21.7	8.3	26.3	7.1	93.5	11.2	2.7	7.1	12.8	2.7									
						2	21.7	8.3	26.3	7.1	93.5	11.2	2.2													
					Middle	4.2	1	21.7	8.3	26.4	7.1	94.3	12.3	2.7												
						2	21.7	8.3	26.4	7.1	94.4	12.3	3.1													
					Bottom	7.4	1	21.7	8.3	26.4	7.2	94.8	15.0	2.6												
						2	21.7	8.3	26.4	7.2	95.0	15.1	2.8													
TCE-WQM2b	Sunny	Calm	10:17	10.7	Surface	1.0	1	21.6	8.3	26.5	6.8	90.7	2.9	2.5	6.9	3.0	2.7									
						2	21.6	8.3	26.6	6.8	90.7	2.9	2.7													
					Middle	5.4	1	21.6	8.3	27.1	6.9	91.9	3.0	2.9												
						2	21.6	8.3	27.1	6.9	92.2	3.0	2.3													
					Bottom	9.7	1	21.6	8.3	27.1	7.0	93.0	3.1	3.2												
						2	21.6	8.3	27.0	7.0	93.2	3.1	2.5													
TCE-WQMBa	Sunny	Calm	10:40	4.2	Surface	1.0	1	21.7	8.3	26.5	6.8	90.7	6.6	9.3	6.8	7.2	9.1									
						2	21.7	8.3	26.5	6.8	90.7	6.6	8.9													
					Bottom	3.2	1	21.7	8.4	26.5	6.9	90.9	7.7	9.2												
						2	21.7	8.4	26.5	6.9	91.0	7.7	9.1													
					TCE-WQM4	Sunny	Calm	10:50	3.8	Surface	1.0	1	21.7	8.4				26.3	7.1	94.2	10.3	4.2	7.1	11.1	4.5	
										2	21.7	8.4	26.3	7.1				94.3	10.3	4.1						
Bottom	2.8	1	21.7	8.4	26.3					7.1	94.7	12.0	5.4													
	2	21.7	8.4	26.3	7.2					94.9	12.0	4.4														

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)
29-03-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	18:34	8.9	Surface	1.0	1	23.4	8.3	19.8	8.3	108.6	2.8	2.6	8.2	2.5	2.7
								2	23.4	8.3	19.8	8.3	108.5	2.8	2.5				
							Middle	4.5	1	23.3	8.3	21.2	8.2	108.4	2.4	3.0			
								2	23.3	8.3	21.2	8.2	108.3	2.4	2.5				
							Bottom	7.9	1	23.1	8.3	25.1	7.9	106.5	2.2	2.4			
								2	23.1	8.3	25.1	7.9	106.5	2.3	3.1				
			1	23.1	8.3	21.5	7.8	103.0	2.5	1.8	7.9	3.3	1.5						
			2	23.1	8.2	21.5	7.8	103.1	2.5	1.2									
		Middle	6.8	1	23.1	8.3	21.5	7.8	103.0	2.5				1.8					
			2	23.1	8.3	22.1	7.7	101.9	3.8	1.6									
		Bottom	12.6	1	23.1	8.3	22.1	7.7	101.4	3.6				1.3					
			2	23.1	8.3	22.1	7.7	101.4	3.6	1.3									
		1	23.5	8.3	21.8	7.9	105.2	2.5	2.6	7.9	2.5	3.3							
		2	23.5	8.3	21.8	7.9	105.1	2.5	3.0										
	Middle	4.1	1	23.4	8.3	21.0	7.9	105.2	2.6				3.5						
		2	23.4	8.3	21.0	7.9	105.2	2.6	3.5										
	Bottom	7.2	1	23.4	8.3	21.3	7.9	104.5	2.4				3.4						
		2	23.4	8.3	21.3	7.9	104.1	2.5	3.7										
		1	23.3	8.2	23.7	7.6	101.6	3.3	3.3	7.6	3.7	3.9							
		2	23.3	8.2	23.7	7.6	101.6	3.3	3.3										
	Middle	3.5	1	23.2	8.2	23.8	7.6	102.2	3.8				3.4						
		2	23.1	8.2	23.8	7.6	102.1	3.9	3.6										
	Bottom	6.0	1	23.1	8.3	23.8	7.6	101.7	4.1				4.9						
		2	23.1	8.3	23.8	7.6	101.4	4.0	4.8										
	1	23.2	8.3	19.7	7.9	103.8	2.0	4.4	7.8	2.1	4.2								
	2	23.2	8.3	19.7	7.9	103.5	2.1	4.7											
Middle	6.0	1	23.2	8.3	23.6	7.7	103.6	2.4				4.8							
	2	23.2	8.3	23.6	7.8	103.8	2.4	5.0											
Bottom	11.0	1	23.2	8.3	19.8	7.9	103.4	1.9				3.3							
	2	23.2	8.3	19.8	7.9	103.0	1.9	3.2											
	1	23.2	8.2	24.3	7.4	99.0	3.7	3.2	7.4	3.6	3.3								
	2	23.2	8.2	24.3	7.4	99.0	3.7	3.4											
Bottom	3.6	1	23.2	8.2	24.1	7.3	98.7	3.5				3.4							
	2	23.2	8.2	24.1	7.3	98.7	3.5	3.2											
	1	23.2	8.3	22.8	7.7	102.9	3.2	2.1				7.7	3.2	2.4					
	2	23.2	8.3	22.8	7.7	102.9	3.1	2.5											
Bottom	3.3	1	23.2	8.3	23.2	7.6	102.0	3.3	2.4										
	2	23.2	8.3	23.2	7.6	101.7	3.2	2.5											
Surface	1.0	1	23.2	8.2	16.1	7.7	98.6	2.3	4.9	7.7	2.2				4.7				
	2	23.2	8.2	16.1	7.7	98.6	2.3	4.3											
Middle	4.4	1	23.4	8.2	17.5	7.7	100.5	2.4	4.3										
	2	23.3	8.2	17.5	7.8	100.9	2.3	4.5											
Bottom	7.7	1	23.2	8.3	27.7	7.4	102.0	2.1	5.4										
	2	23.2	8.3	27.7	7.4	101.9	2.1	4.5											
	1	22.1	8.2	27.3	6.8	91.2	1.2	4.4	6.7	1.2	4.1								
	2	22.2	8.2	27.3	6.8	91.2	1.2	5.0											
Middle	6.6	1	22.0	8.2	29.8	6.5	88.5	1.1				3.9							
	2	22.0	8.2	29.8	6.5	88.6	1.1	4.4											
Bottom	12.2	1	21.8	8.2	31.0	6.4	86.9	1.3				3.9							
	2	21.8	8.2	31.0	6.4	87.0	1.3	3.2											
	1	22.6	8.2	23.9	7.2	95.9	3.0	3.0	7.2	3.3	3.8								
	2	22.6	8.2	23.9	7.2	95.9	3.2	3.0											
Middle	4.2	1	22.6	8.2	24.5	7.2	95.7	3.8				3.8							
	2	22.7	8.2	24.4	7.2	95.9	3.8	3.9											
Bottom	7.3	1	23.2	8.2	25.0	7.2	97.6	2.9				4.7							
	2	23.2	8.2	25.0	7.2	97.8	3.2	4.4											
	1	22.5	8.2	24.0	7.2	96.1	3.6	3.6	7.3	3.7	4.3								
	2	22.5	8.2	24.0	7.2	96.1	3.6	4.0											
Middle	3.4	1	22.6	8.2	23.4	7.3	96.3	3.4				4.6							
	2	22.6	8.2	23.4	7.3	96.3	3.4	4.5											
Bottom	5.8	1	22.6	8.2	24.0	7.3	96.4	4.0				4.8							
	2	22.6	8.2	24.0	7.3	96.5	4.2	4.4											
	1	22.7	8.2	20.2	7.4	96.3	3.0	6.7	7.4	3.3	5.6								
	2	22.7	8.2	20.2	7.4	96.3	3.0	6.3											
Middle	5.3	1	22.6	8.2	20.1	7.4	96.2	3.2				5.2							
	2	22.6	8.2	20.1	7.4	95.9	3.2	5.8											
Bottom	9.6	1	22.4	8.2	25.5	7.1	95.3	3.6				5.0							
	2	22.4	8.2	25.6	7.2	95.5	3.8	4.4											
	1	22.8	8.2	23.5	7.2	96.1	2.8	3.3	7.2	2.8	3.5								
	2	22.8	8.2	23.5	7.2	96.1	2.8	3.9											
Bottom	3.2	1	22.9	8.2	23.3	7.3	96.7	2.7				3.5							
	2	22.9	8.2	23.3	7.3	96.8	2.8	3.3											
	1	22.8	8.2	23.3	7.4	97.7	2.0	2.3				7.4	2.5	3.2					
	2	22.8	8.2	23.3	7.4	97.7	2.0	2.9											
Bottom	2.9	1	22.8	8.2	23.7	7.3	97.7	2.8	3.3										
	2	22.8	8.2	23.7	7.3	97.7	3.3	4.1											