

Annex G3

Monitoring Results for Water Quality

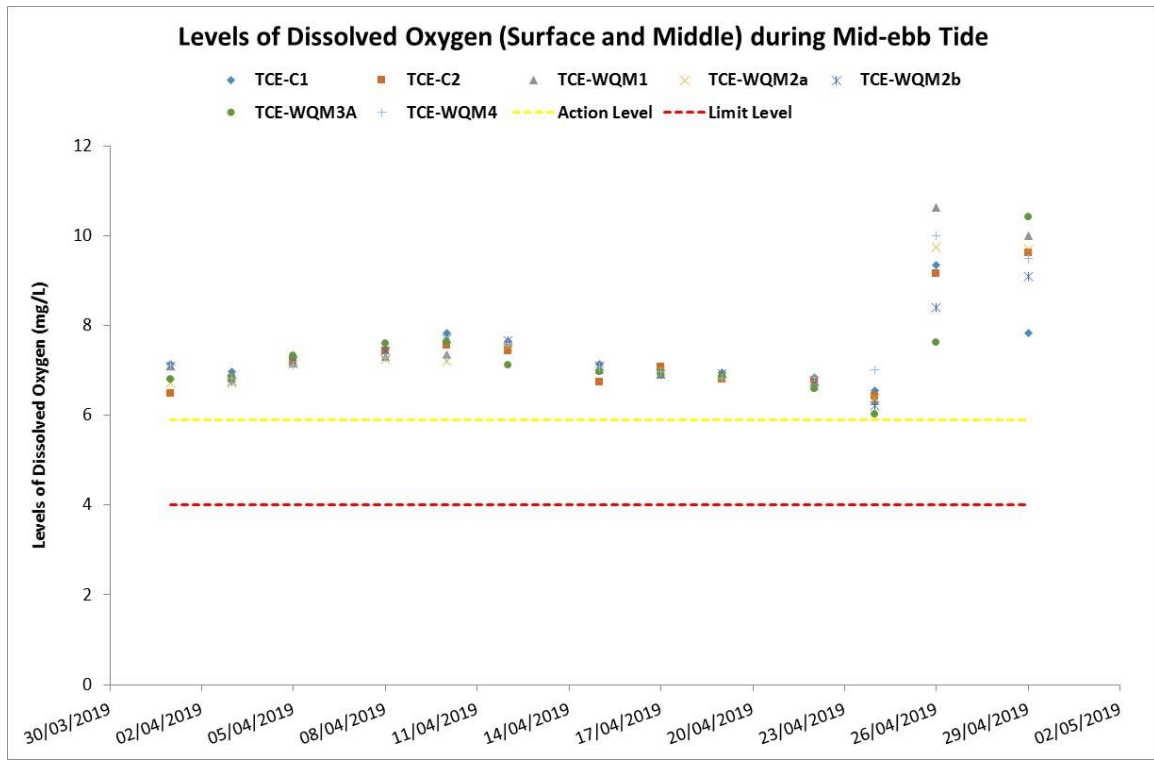


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 April 2019

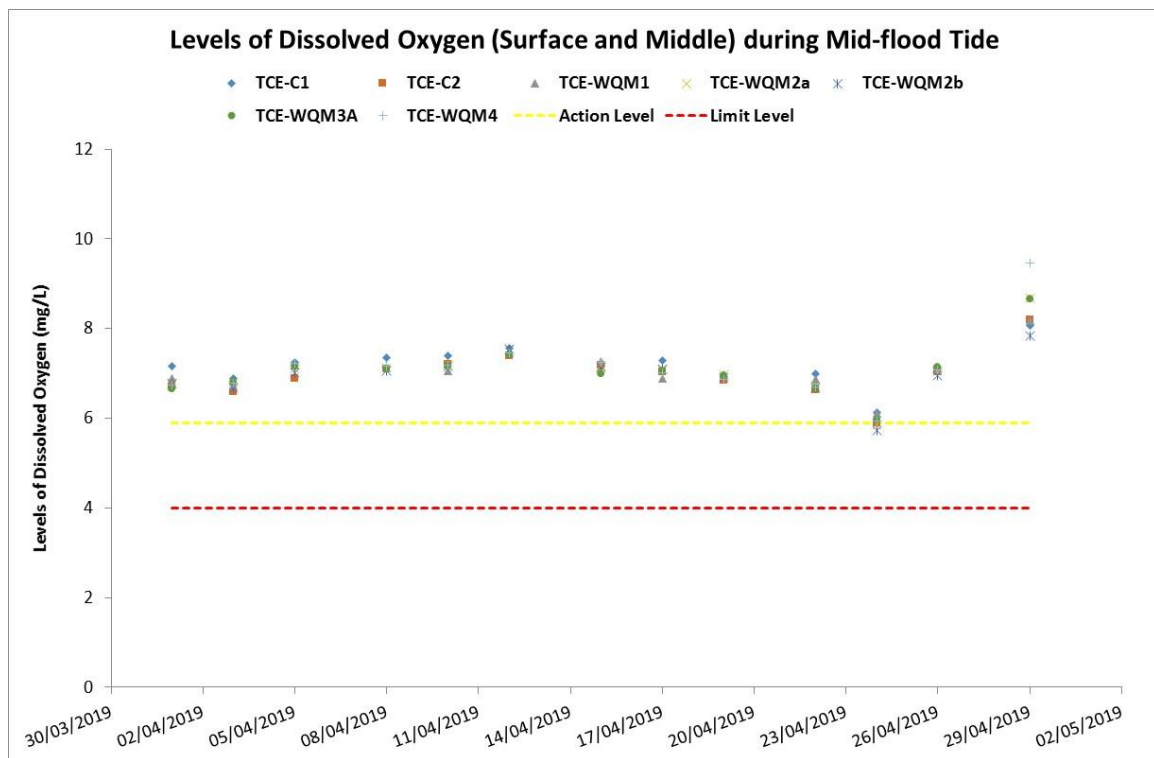


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 April 2019

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

**Environmental
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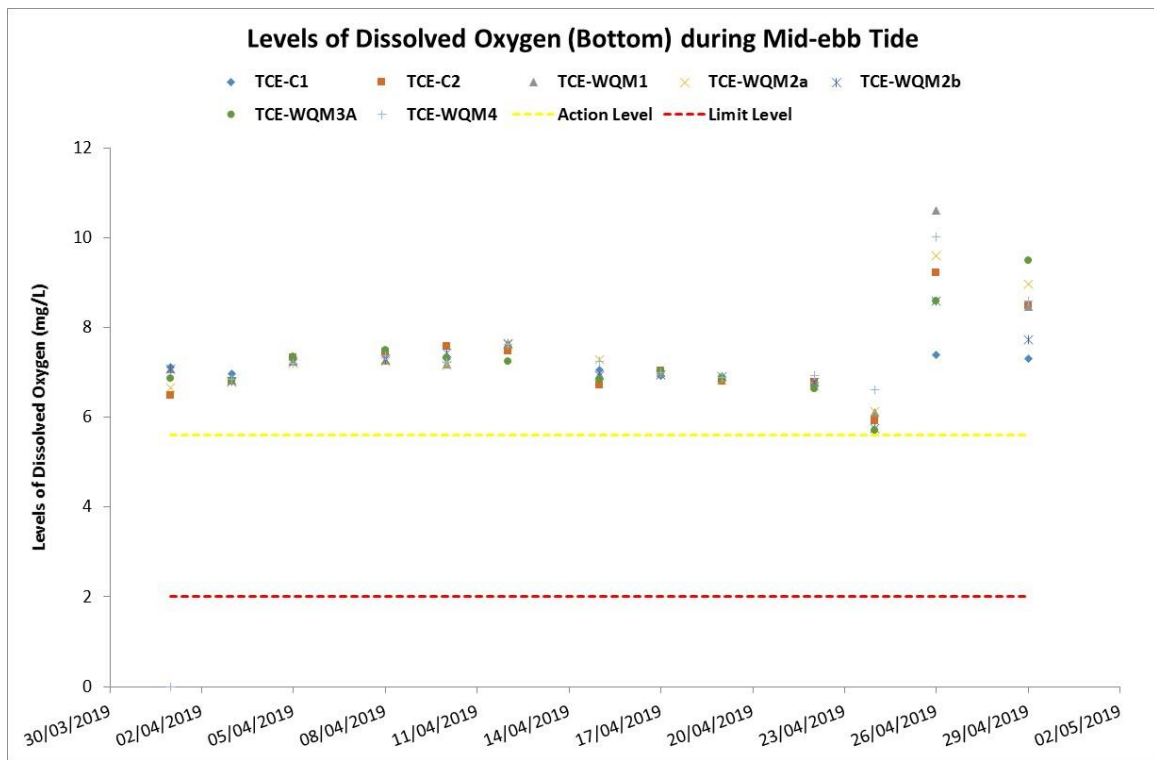


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 April 2019

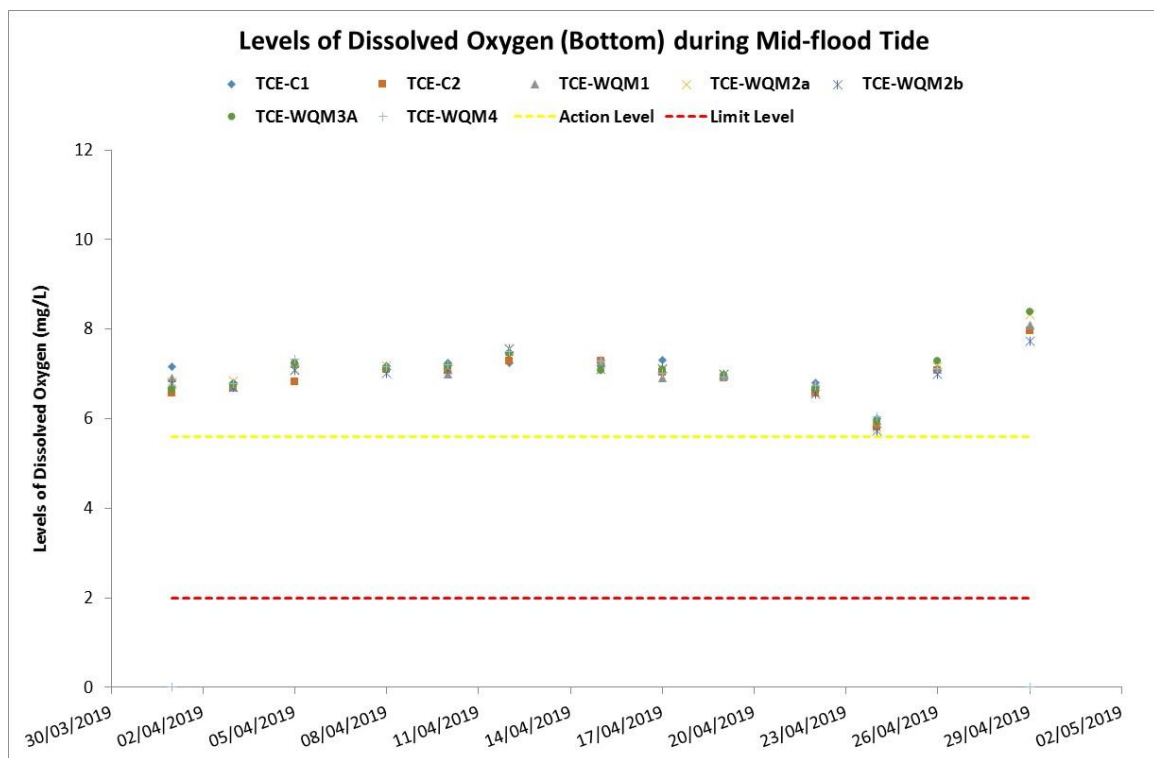


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 April 2019

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

**Environmental
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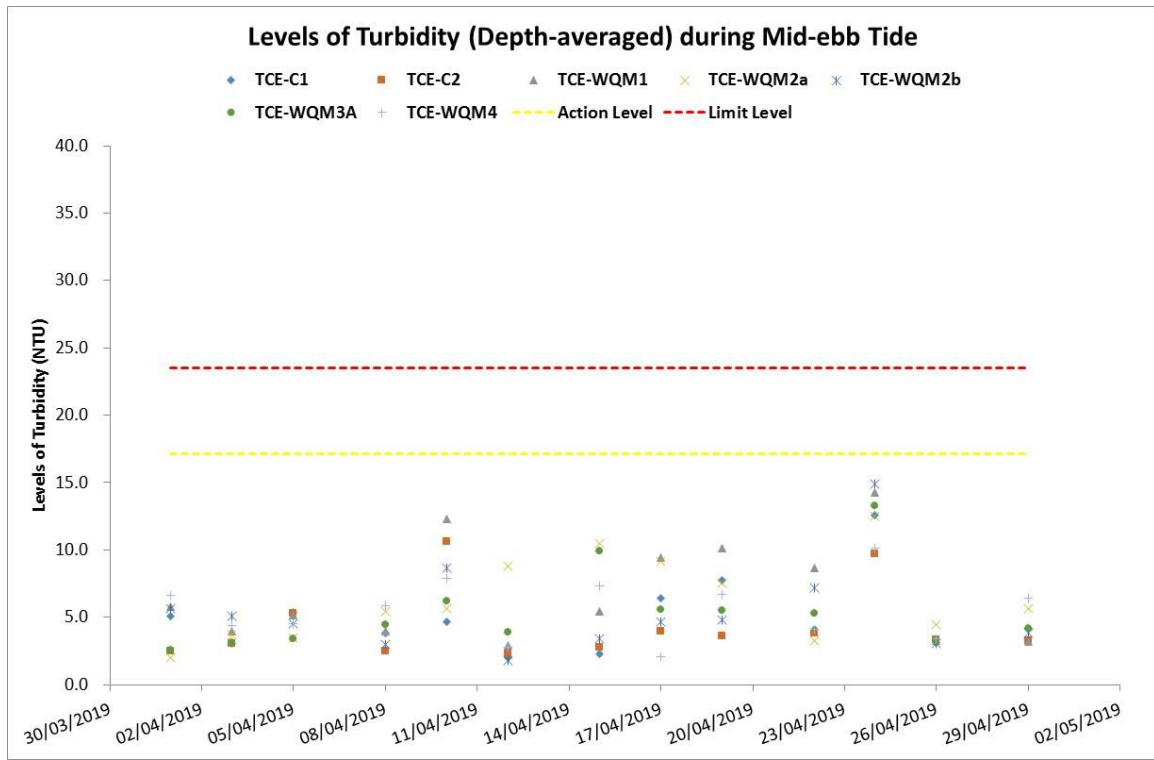


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 April 2019

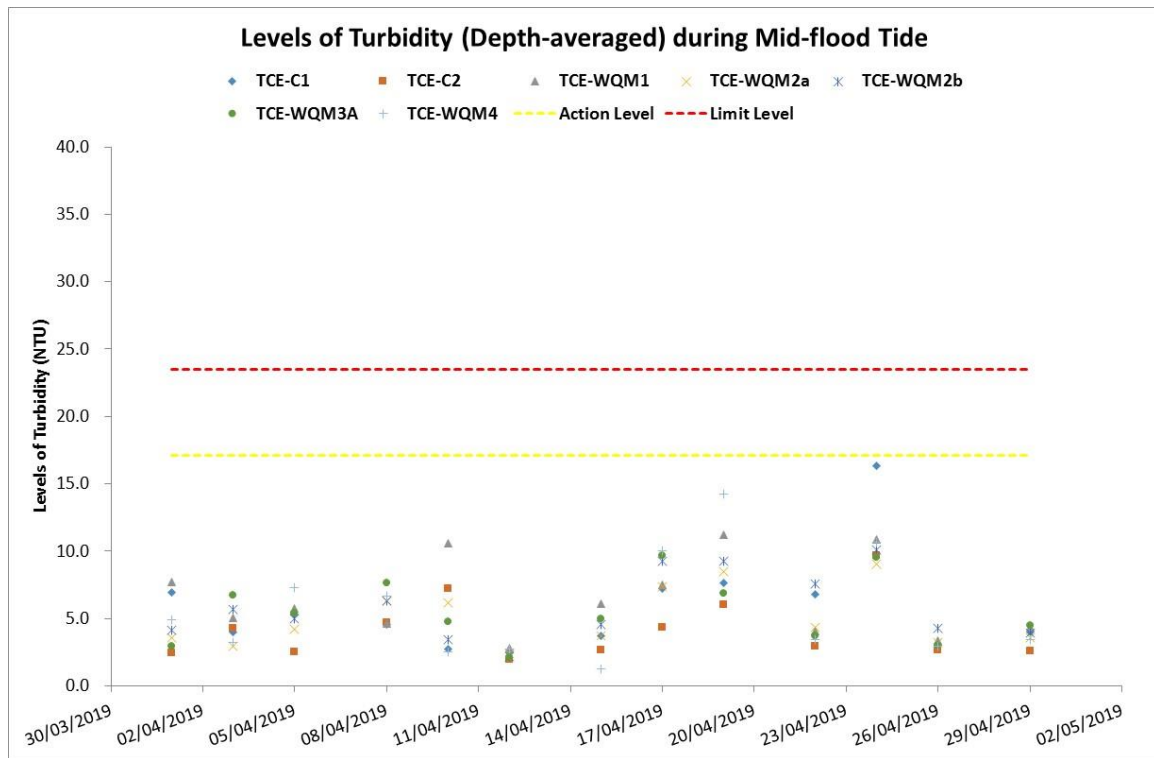


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 April 2019

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

**Environmental
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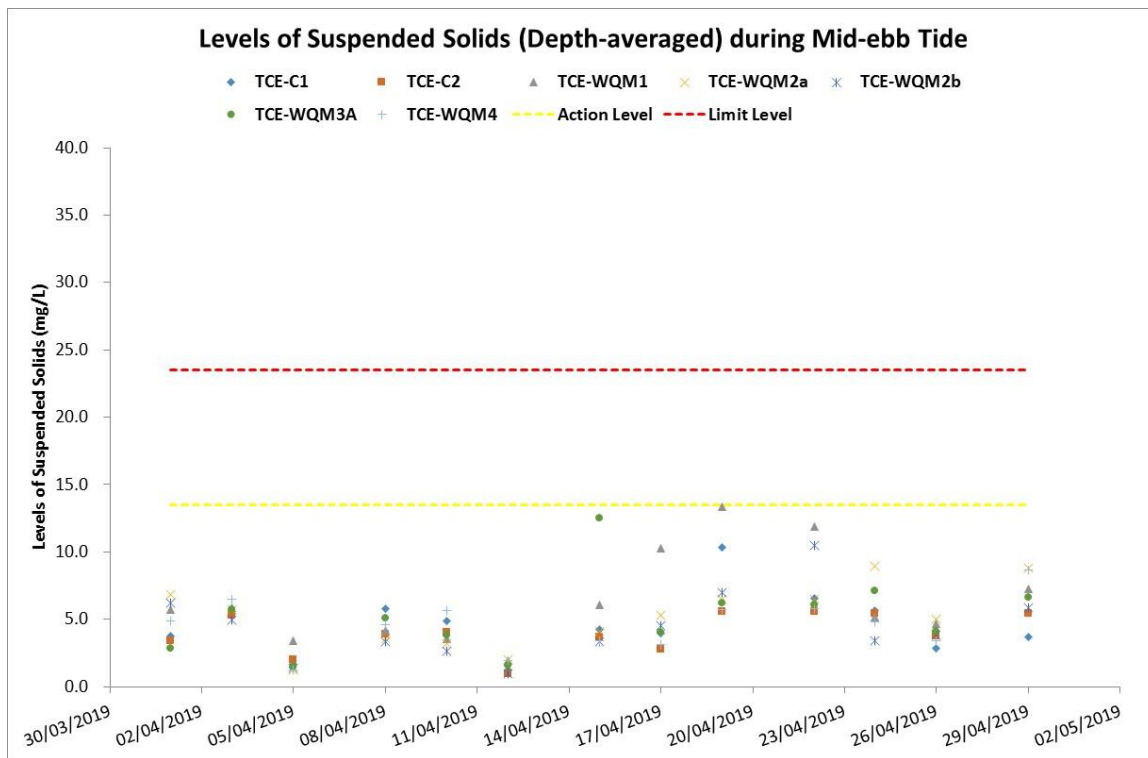


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 April 2019

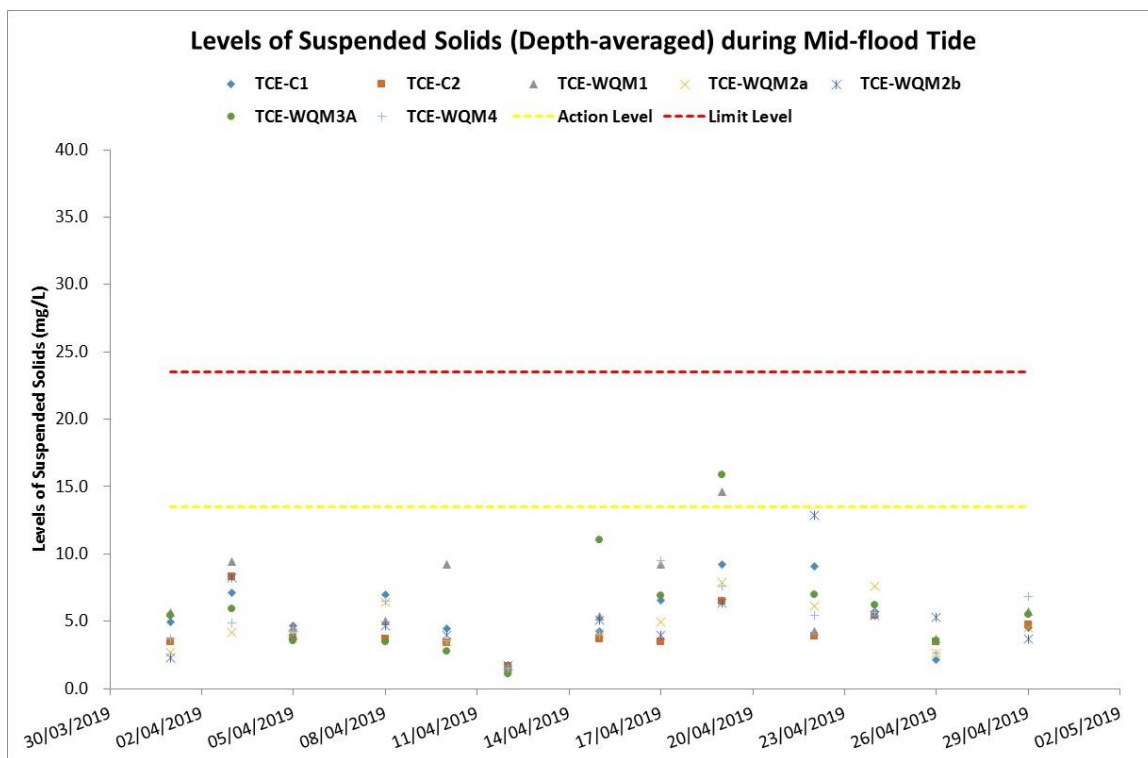


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 April 2019

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

Date: April 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)
01-04-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	9:54	7.9	Surface	1.0	1	21.7	8.2	29.4	7.2	96.8	4.6	3.1	7.1	5.1	3.8
									2	21.7	8.2	29.4	7.2	96.6	4.6	4.1			
							Middle	4.0	1	22.0	8.2	30.4	7.1	97.1	4.0	3.3			
									2	22.0	8.2	30.4	7.1	97.1	4.0	3.9			
							Bottom	6.9	1	21.7	8.2	30.4	7.1	96.5	6.6	3.8			
									2	21.7	8.2	30.4	7.1	96.5	6.6	4.3			
		TCE-C2	Cloudy	Rough	11:53	15.4	Surface	1.0	1	22.1	8.2	31.2	6.5	89.2	2.1	2.6	6.5	2.5	3.4
									2	22.1	8.2	31.2	6.5	89.2	2.1	2.3			
							Middle	7.7	1	22.1	8.2	31.4	6.5	89.1	2.0	2.2			
									2	22.1	8.2	31.4	6.5	89.1	2.0	2.5			
							Bottom	14.4	1	22.1	8.2	31.5	6.5	89.2	3.3	5.0			
									2	22.1	8.2	31.5	6.5	89.2	3.4	5.6			
	TCE-WQM1	Cloudy	Rough	10:39	11.0	Surface	1.0	1	21.7	8.2	28.2	7.1	94.8	5.2	4.0	7.1	5.8	5.7	
								2	21.7	8.2	28.2	7.1	94.7	5.3	3.4				
						Middle	5.5	1	21.6	8.2	28.1	7.1	95.1	7.8	6.9				
								2	21.6	8.2	28.1	7.1	95.0	7.8	6.1				
						Bottom	10.0	1	21.6	8.2	28.6	7.1	94.9	4.2	6.7				
								2	21.6	8.2	28.6	7.1	94.7	4.2	7.0				
	TCE-WQM2a	Cloudy	Rough	11:17	8.2	Surface	1.0	1	21.9	8.2	29.1	6.7	91.1	2.5	7.6	6.7	2.0	6.9	
								2	21.9	8.2	29.1	6.7	91.1	2.5	7.5				
						Middle	4.1	1	21.9	8.2	29.5	6.7	90.7	1.2	7.5				
								2	21.9	8.2	29.5	6.7	90.6	1.2	8.0				
						Bottom	7.2	1	21.9	8.2	29.9	6.7	90.3	2.2	5.9				
								2	21.9	8.2	29.9	6.7	90.4	2.2	4.7				
	TCE-WQM2b	Cloudy	Rough	11:29	11.7	Surface	1.0	1	22.1	8.1	24.6	7.1	94.4	3.5	7.6	7.1	5.7	6.2	
								2	22.1	8.1	24.6	7.1	94.3	3.5	6.8				
						Middle	5.9	1	22.0	8.1	26.1	7.1	93.7	9.7	5.1				
								2	21.9	8.1	26.1	7.0	93.5	9.7	5.3				
Bottom						10.7	1	21.9	8.1	27.6	7.1	94.7	3.8	6.4					
							2	21.9	8.1	27.6	7.1	95.0	3.8	6.2					
TCE-WQM3A	Cloudy	Rough	11:01	4.1	Surface	1.0	1	21.9	8.1	29.7	6.8	91.8	2.3	1.6	6.8	2.6	2.9		
							2	21.9	8.1	29.6	6.8	92.6	2.3	2.3					
					Bottom	3.1	1	21.9	8.1	29.6	6.9	93.0	2.8	3.4					
							2	21.9	8.1	29.5	6.9	93.2	2.8	4.1					
							1	21.8	8.2	27.5	7.1	95.1	6.6	4.1					
							2	21.8	8.2	27.6	7.1	95.3	6.6	5.7					
TCE-WQM4	Cloudy	Rough	10:50	2.9	Surface	1.0	1	21.7	8.2	29.0	7.1	96.2	6.6	3.2	7.2	6.9	5.0		
							2	21.8	8.2	29.0	7.1	96.2	6.6	4.2					
					Middle	3.7	1	22.0	8.2	29.6	7.2	97.3	8.5	5.3					
							2	22.0	8.2	29.5	7.2	97.4	8.5	5.4					
					Bottom	6.3	1	21.8	8.2	29.4	7.2	96.8	5.7	5.6					
							2	21.8	8.2	29.4	7.2	96.9	5.7	6.0					
01-04-2019	Mid-Flood	TCE-C1	Fine	Moderate	6:09	7.3	Surface	1.0	1	21.7	8.2	29.0	7.1	96.2	6.6	3.2	7.2	6.9	5.0
									2	21.8	8.2	29.0	7.1	96.2	6.6	4.2			
							Middle	3.7	1	22.0	8.2	29.6	7.2	97.3	8.5	5.3			
									2	22.0	8.2	29.5	7.2	97.4	8.5	5.4			
							Bottom	6.3	1	21.8	8.2	29.4	7.2	96.8	5.7	5.6			
									2	21.8	8.2	29.4	7.2	96.9	5.7	6.0			
		TCE-C2	Fine	Moderate	4:17	13.5	Surface	1.0	1	21.9	8.0	28.6	6.8	91.6	1.9	6.0	6.7	2.4	3.5
									2	21.9	8.0	28.6	6.8	91.5	1.9	6.5			
							Middle	6.8	1	21.9	8.0	29.6	6.6	89.7	2.6	1.6			
									2	21.9	8.0	29.6	6.6	89.5	2.6	1.8			
							Bottom	12.5	1	21.9	8.0	29.6	6.6	89.1	2.8	2.4			
									2	21.9	8.0	29.6	6.6	89.1	2.8	2.6			
	TCE-WQM1	Fine	Moderate	5:26	8.5	Surface	1.0	1	21.3	8.2	28.8	6.7	90.1	5.4	4.6	6.9	7.7	5.7	
								2	21.5	8.2	28.7	6.7	90.1	5.4	4.3				
						Middle	4.3	1	21.9	8.1	27.3	7.0	93.7	10.5	5.3				
								2	21.9	8.1	27.3	7.0	93.9	10.5	5.0				
						Bottom	7.5	1	21.9	8.1	27.4	6.9	92.5	7.3	7.3				
								2	21.9	8.1	27.4	6.9	92.6	7.3	7.4				
	TCE-WQM2a	Fine	Moderate	4:52	7.2	Surface	1.0	1	21.7	8.1	29.0	6.8	91.0	2.4	3.7	6.8	3.6	2.7	
								2	21.7	8.1	29.0	6.8	91.0	2.4	3.2				
						Middle	3.6	1	21.7	8.1	29.0	6.8	91.0	3.2	3.2				
								2	21.7	8.1	29.0	6.8	91.2	3.3	3.6				
						Bottom	6.2	1	21.7	8.1	28.9	6.8	91.8	5.0	1.4				
								2	21.7	8.1	28.9	6.8	91.8	5.1	1.0				
TCE-WQM2b	Fine	Moderate	4:39	10.1	Surface	1.0	1	21.8	8.1	29.3	6.8	91.7	3.7	2.4	6.8	4.2	2.3		
							2	21.8	8.1	29.3	6.8	91.7	3.8	1.9					
					Middle	5.1	1	21.8	8.1	29.3	6.8	91.6	4.2	2.1					
							2	21.8	8.1	29.3	6.8	91.6	4.2	2.0					
					Bottom	9.1	1	22.0	8.0	29.3	6.8	92.0	4.5	2.3					
							2	22.0	8.0	29.3	6.8	92.0	4.5	2.9					
TCE-WQM3A	Fine	Moderate	5:04	3.3	Surface	1.0	1	21.6	8.1	29.2	6.7	89.4	2.8	4.8	6.7	2.9	5.5		
							2	21.6	8.1	29.2	6.7	89.4	2.9	4.2					
					Bottom	2.3	1	21.6	8.1	29.2	6.7	89.4	3.0	6.3					
							2	21.6	8.1	29.2	6.7	89.4	3.0	6.5					
							1	21.6	8.1	29.0	6.7	90.4	4.9	3.5					
							2	21.6	8.1	29.0	6.7	90.5	4.9	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)
03-04-2019	Mid-Ebb	TCE-C1	Fine	Moderate	10:47	8.9	Surface	1.0	1	24.1	8.3	28.8	6.9	97.5	2.8	4.5	7.0	3.1	5.4
									2	24.1	8.3	28.8	7.0	97.5	2.8	5.6			
							Middle	4.5	1	23.9	8.3	28.8	7.0	97.5	2.5	5.9			
									2	23.8	8.3	28.8	7.0	97.7	4.1	4.7			
							Bottom	7.9	1	23.2	8.2	28.8	7.0	96.3	3.0	5.7			
									2	23.2	8.2	28.8	7.0	96.3	3.2	6.0			
		TCE-C2	Fine	Moderate	12:42	13.7	Surface	1.0	1	23.5	8.2	27.9	6.8	94.5	2.8	6.4	6.8	3.1	5.3
									2	23.4	8.2	28.0	6.9	94.5	2.8	7.0			
							Middle	6.9	1	23.2	8.2	28.2	6.8	93.7	3.3	4.3			
									2	23.2	8.2	28.2	6.8	93.7	3.4	5.1			
							Bottom	12.7	1	23.5	8.2	28.1	6.8	94.0	3.2	3.8			
									2	23.5	8.2	28.1	6.8	94.0	3.1	5.2			
		TCE-WQM1	Fine	Calm	11:34	8.2	Surface	1.0	1	23.0	8.2	29.5	6.8	94.4	4.2	5.4	6.8	4.0	5.9
									2	22.9	8.2	29.5	6.8	94.3	4.2	6.5			
							Middle	4.1	1	23.0	8.2	29.4	6.8	93.8	3.9	5.3			
									2	23.1	8.2	29.3	6.8	94.0	3.9	5.5			
							Bottom	7.2	1	23.7	8.2	29.4	6.8	95.4	3.9	5.7			
									2	23.7	8.2	29.4	6.8	95.4	3.9	6.9			
		TCE-WQM2a	Fine	Moderate	12:06	7.0	Surface	1.0	1	22.7	8.2	28.6	6.7	91.6	3.4	5.3	6.7	3.7	5.7
									2	22.7	8.2	28.6	6.7	91.6	3.4	5.4			
							Middle	3.5	1	23.3	8.2	28.4	6.7	93.0	3.6	5.5			
									2	23.3	8.2	28.4	6.8	93.1	3.6	5.4			
							Bottom	6.0	1	23.3	8.2	28.4	6.8	93.6	3.8	6.4			
									2	23.3	8.2	28.4	6.8	93.6	4.2	6.4			
TCE-WQM2b	Fine	Moderate	12:20	12.0	Surface	1.0	1	23.2	8.2	27.0	6.8	92.6	4.2	3.6	6.8	5.1	5.0		
							2	23.2	8.2	27.0	6.8	92.6	4.1	4.0					
					Middle	6.0	1	23.0	8.2	27.1	6.7	91.9	3.8	5.1					
							2	23.1	8.2	27.1	6.8	92.1	3.9	4.2					
					Bottom	11.0	1	23.3	8.2	26.7	6.8	92.9	7.2	6.7					
							2	23.3	8.2	26.6	6.8	92.9	7.2	6.1					
TCE-WQM3A	Fine	Calm	11:55	4.8	Surface	1.0	1	23.5	8.2	28.0	6.8	94.3	3.5	5.9	6.8	3.1	5.7		
							2	23.5	8.2	28.0	6.8	94.3	3.5	6.0					
					Middle		1	23.6	8.2	28.0	6.8	94.5	2.7	4.8					
							2	23.6	8.2	28.0	6.8	94.5	2.7	6.2					
					Bottom	3.8	1	23.0	8.2	28.3	6.8	93.6	3.7	6.8					
							2	23.0	8.2	28.3	6.8	93.7	3.7	6.5					
TCE-WQM4	Fine	Calm	11:45	4.5	Surface	1.0	1	23.0	8.2	28.4	6.8	93.9	5.0	5.8	6.8	4.4	6.5		
							2	23.0	8.2	28.4	6.8	93.9	5.1	6.8					
					Middle		1	23.0	8.2	28.4	6.8	93.9	5.1	6.8					
							2	23.0	8.2	28.4	6.8	93.9	5.1	6.8					
					Bottom	3.5	1	23.0	8.2	28.4	6.8	93.9	5.0	5.8					
							2	23.0	8.2	28.4	6.8	93.9	5.1	6.8					
03-04-2019	Mid-Flood	TCE-C1	Fine	Moderate	8:00	8.7	Surface	1.0	1	22.3	8.2	29.1	6.9	94.0	3.6	7.5	6.9	4.0	7.1
									2	22.3	8.2	29.1	6.9	93.9	3.7	7.7			
							Middle	4.4	1	22.3	8.2	29.2	6.9	93.6	3.9	5.4			
									2	22.3	8.2	29.2	6.9	93.5	3.9	5.2			
							Bottom	7.7	1	22.3	8.2	29.7	6.8	93.1	4.7	8.1			
									2	22.3	8.2	29.7	6.8	92.7	4.3	8.6			
		TCE-C2	Fine	Moderate	6:05	13.3	Surface	1.0	1	22.2	8.2	29.4	6.6	89.3	4.4	7.5	6.6	4.2	8.3
									2	22.2	8.2	29.4	6.6	89.4	4.6	8.0			
							Middle	6.7	1	22.1	8.1	29.5	6.6	89.9	4.8	8.4			
									2	22.1	8.1	29.5	6.6	90.1	4.6	8.9			
							Bottom	12.3	1	22.1	8.1	29.2	6.7	90.8	3.5	8.4			
									2	22.1	8.1	29.2	6.7	90.9	3.6	8.8			
		TCE-WQM1	Fine	Calm	7:13	8.5	Surface	1.0	1	21.9	8.2	28.2	6.7	90.4	4.8	7.8	6.7	5.0	9.5
									2	21.9	8.2	28.2	6.7	90.4	4.8	8.5			
							Middle	4.3	1	21.9	8.2	28.3	6.7	90.4	4.9	9.5			
									2	21.9	8.2	28.3	6.7	90.3	4.9	10.8			
							Bottom	7.5	1	22.0	8.2	28.2	6.7	90.2	5.3	9.0			
									2	22.0	8.2	28.2	6.7	90.4	5.4	11.1			
		TCE-WQM2a	Fine	Moderate	6:42	6.8	Surface	1.0	1	22.1	8.2	27.8	6.8	91.3	3.0	4.0	6.8	2.9	4.2
									2	22.1	8.2	27.8	6.8	91.3	3.0	3.8			
							Middle	3.4	1	22.1	8.2	27.7	6.8	91.5	2.9	3.2			
									2	22.1	8.2	27.7	6.8	91.5	2.9	4.1			
							Bottom	5.8	1	22.0	8.2	27.7	6.8	91.9	2.9	4.6			
									2	22.1	8.2	27.7	6.9	92.2	3.0	5.4			
TCE-WQM2b	Fine	Moderate	6:29	10.5	Surface	1.0	1	22.1	8.2	28.4	6.7	90.1	5.7	7.2	6.7	5.7	8.3		
							2	22.1	8.2	28.4	6.7	90.2	6.3	8.6					
					Middle	5.3	1	22.2	8.2	28.4	6.7	90.5	5.2	8.2					
							2	22.2	8.2	28.4	6.7	90.5	5.2	8.4					
					Bottom	9.5	1	22.2	8.2	28.3	6.7	90.5	5.6	9.0					
							2	22.2	8.2	28.3	6.7	90.6	6.0	8.1					
TCE-WQM3A	Fine	Calm	6:52	4.4	Surface	1.0	1	22.0	8.2	27.6	6.8	91.2	6.4	6.1	6.8	6.7	5.9		
							2	22.0	8.2	27.6	6.8	91.3	6.5	6.4					
					Middle		1	21.9	8.2	27.6	6.8	90.8	7.0	5.1					
							2	21.9	8.2	27.6	6.8	90.6	7.0	6.1					
					Bottom	3.4	1	21.9	8.2	27.7	6.8	91.0	3.2	5.0					
							2	21.9	8.2	27.7	6.8	91.0	3.2	4.9					
TCE-WQM4	Fine	Calm	7:03	4.0	Surface	1.0	1	21.9	8.2	27.7	6.8	91.0	3.2	5.0	6.8	3.2	4.9		
							2	21.9	8.2	27.7	6.8	91.0	3.2	4.9					
					Middle		1	21.9	8.2	27.7	6.8	91.0	3.0	5.5					
							2	21.9	8.2	27.7	6.8	90.8	3.5	4.0					
					Bottom	3.0	1	21.9	8.2	27.7	6.8	91.0	3.0	5.5					
							2	21.9	8.2	27.7	6.8	90.8	3.5	4.0					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
05-04-2019	Mid-Ebb	TCE-C1	Sunny	Calm	12:07	7.5	Surface	1.0	1	23.9	8.4	25.4	7.3	100.6	4.1	0.9	7.3	5.4	1.7	
									2	23.9	8.4	25.4	7.3	100.5	4.1	1.1				
							Middle	3.8	1	23.8	8.5	26.9	7.3	100.1	8.5	1.7				
									2	23.8	8.5	26.9	7.3	100.1	8.5	1.9				
							Bottom	6.5	1	24.0	8.5	27.2	7.3	101.1	3.6	2.4				
									2	24.0	8.5	27.2	7.3	101.1	3.6	2.0				
		TCE-C2	Sunny	Calm	14:05	12.6	Surface	1.0	1	24.1	8.4	26.7	7.3	101.3	3.7	1.1	7.2	5.3	2.0	
									2	24.0	8.4	26.7	7.3	101.2	3.8	1.3				
							Middle	6.3	1	24.4	8.4	26.3	7.1	98.1	5.8	1.9				
									2	24.5	8.4	26.3	7.1	98.2	5.8	2.1				
							Bottom	11.6	1	24.3	8.4	27.0	7.3	102.0	6.7	2.6				
									2	24.3	8.4	27.0	7.3	102.1	5.7	2.9				
	TCE-WQM1	Sunny	Calm	12:59	8.7	Surface	1.0	1	24.9	8.4	27.4	7.2	101.0	5.4	2.8	7.2	5.2	3.4		
								2	24.9	8.4	27.4	7.2	101.1	5.4	2.6					
						Middle	4.4	1	25.1	8.4	27.9	7.2	101.8	5.4	3.3					
								2	25.1	8.4	27.9	7.2	101.9	5.4	3.4					
						Bottom	7.7	1	25.1	8.4	28.2	7.3	103.2	4.7	4.2					
								2	25.1	8.4	28.2	7.3	103.3	4.7	4.1					
	TCE-WQM2a	Sunny	Calm	13:33	7.2	Surface	1.0	1	23.4	8.4	27.7	7.1	97.8	5.1	0.7	7.1	3.4	1.2		
								2	23.4	8.4	27.7	7.1	97.8	5.1	0.8					
						Middle	3.6	1	24.1	8.4	27.9	7.2	100.1	2.8	1.3					
								2	24.0	8.4	27.9	7.2	100.1	2.9	1.5					
						Bottom	6.2	1	23.9	8.4	27.6	7.2	100.0	2.4	1.5					
								2	23.9	8.4	27.6	7.2	100.1	2.4	1.6					
TCE-WQM2b	Sunny	Calm	13:45	9.9	Surface	1.0	1	23.6	8.4	24.6	7.2	97.8	2.2	1.0	7.2	4.5	1.4			
							2	23.6	8.4	24.6	7.2	97.7	2.2	0.8						
					Middle	5.0	1	24.0	8.4	25.1	7.2	98.7	6.3	1.4						
							2	24.0	8.4	25.1	7.2	98.7	6.3	1.6						
					Bottom	8.9	1	24.2	8.4	24.9	7.2	99.6	5.0	1.9						
							2	24.2	8.4	24.9	7.3	99.7	5.0	1.7						
TCE-WQM3A	Sunny	Calm	13:21	3.6	Surface	1.0	1	24.3	8.4	26.4	7.3	101.8	2.4	0.8	7.3	3.4	1.5			
							2	24.3	8.4	26.4	7.3	101.9	2.4	0.9						
					Bottom	2.6	1	24.4	8.4	27.0	7.4	102.6	4.4	2.0						
							2	24.4	8.4	27.0	7.4	102.7	4.4	2.1						
					Surface	1.0	1	24.6	8.4	27.3	7.1	99.7	4.1	0.8				7.1	4.5	1.3
							2	24.6	8.4	27.3	7.1	99.9	4.2	0.7						
Bottom	2.2	1	24.5	8.4	27.6	7.2	100.9	4.9	1.8											
		2	24.5	8.4	27.6	7.2	101.0	4.9	1.7											
Surface	1.0	1	23.2	8.4	25.7	7.3	98.7	4.3	4.2	7.2	5.3	4.6								
		2	23.2	8.4	25.7	7.3	98.8	4.3	4.4											
Middle	4.0	1	22.9	8.4	27.0	7.2	98.2	5.6	4.8											
		2	22.9	8.4	27.0	7.2	98.2	5.6	4.7											
Bottom	6.9	1	22.9	8.4	27.0	7.2	98.3	6.1	4.7											
		2	22.9	8.4	27.0	7.2	98.3	6.1	5.0											
TCE-C2	Fine	Moderate	6:07	15.6	Surface	1.0	1	22.8	8.3	28.3	6.9	94.2	2.7	3.0	6.9	2.5	3.8			
							2	22.8	8.4	28.3	6.9	94.2	2.7	3.3						
					Middle	7.8	1	22.8	8.4	28.4	6.9	93.9	2.7	3.9						
							2	22.8	8.4	28.4	6.9	93.9	2.7	3.7						
					Bottom	14.6	1	22.8	8.4	29.4	6.8	93.8	2.1	4.4						
							2	22.8	8.4	29.4	6.8	93.9	2.1	4.2						
TCE-WQM1	Fine	Moderate	7:22	10.6	Surface	1.0	1	23.0	8.4	27.3	7.3	98.9	5.4	2.9	7.2	5.7	4.5			
							2	23.0	8.4	27.3	7.3	98.9	5.4	2.8						
					Middle	5.3	1	22.9	8.4	27.9	7.1	97.2	6.3	4.4						
							2	22.9	8.4	27.8	7.1	97.2	6.3	4.5						
					Bottom	9.6	1	23.0	8.4	27.8	7.2	98.4	5.6	6.3						
							2	23.0	8.4	27.8	7.2	98.8	5.6	6.2						
TCE-WQM2a	Fine	Moderate	6:44	7.8	Surface	1.0	1	22.9	8.4	26.7	7.1	96.7	4.2	3.1	7.1	4.2	4.1			
							2	22.9	8.4	26.7	7.1	96.7	4.2	3.3						
					Middle	3.9	1	22.8	8.4	26.9	7.1	96.0	3.9	4.1						
							2	22.8	8.4	26.9	7.1	96.0	4.0	4.4						
					Bottom	6.8	1	22.8	8.4	27.0	7.1	96.3	4.5	4.7						
							2	22.8	8.4	27.0	7.1	96.4	4.5	4.9						
TCE-WQM2b	Fine	Moderate	6:32	11.7	Surface	1.0	1	22.8	8.4	27.1	7.0	95.4	3.9	3.0	7.0	5.0	4.0			
							2	22.8	8.4	27.1	7.0	95.3	4.0	3.3						
					Middle	5.9	1	22.8	8.4	27.1	7.0	95.2	5.4	3.7						
							2	22.8	8.4	27.1	7.0	95.3	5.4	3.8						
					Bottom	10.7	1	22.8	8.4	27.1	7.1	96.3	5.6	4.8						
							2	22.8	8.4	27.1	7.1	96.4	5.6	5.2						
TCE-WQM3A	Fine	Moderate	6:55	4.9	Surface	1.0	1	23.0	8.4	26.6	7.2	97.1	3.7	3.3	7.2	5.4	3.6			
							2	23.0	8.4	26.6	7.2	97.2	3.7	3.4						
					Bottom	3.9	1	22.9	8.4	26.6	7.2	98.2	7.1	3.9						
							2	22.9	8.4	26.6	7.3	98.5	7.1	3.7						
					Surface	1.0	1	23.1	8.4	26.7	7.2	98.2	7.4	2.7				7.2	7.3	4.3
							2	23.0	8.4	26.7	7.2	98.3	7.5	2.6						
Bottom	2.8	1	22.9	8.4	26.9	7.3	99.3	7.0	5.7											
		2	22.9	8.4	26.9	7.3	99.7	7.1	6.0											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
08-04-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:04	8.7	Surface	1.0	1	24.5	8.4	22.8	7.5	102.5	3.2	5.5	7.5	3.8	5.8	
									2	24.3	8.4	22.9	7.5	102.1	3.6	5.2				
							Middle	4.4	1	24.4	8.4	23.5	7.5	101.9	3.8	5.6				
									2	24.5	8.4	23.4	7.4	102.0	3.9	5.0				
							Bottom	7.7	1	24.6	8.4	25.1	7.4	102.3	4.1	6.8				
									2	24.6	8.4	25.1	7.4	102.3	4.2	6.8				
		TCE-C2	Cloudy	Moderate	15:04	12.6	Surface	1.0	1	24.4	8.4	24.5	7.4	102.1	2.8	4.3	7.4	2.5	3.9	
									2	24.4	8.4	24.5	7.4	102.3	2.8	4.0				
							Middle	6.3	1	24.5	8.4	24.6	7.4	102.6	2.5	4.0				
									2	24.5	8.4	24.6	7.4	102.7	2.5	3.6				
							Bottom	11.6	1	26.6	8.4	23.8	7.5	106.2	2.1	4.1				
									2	26.6	8.4	23.8	7.5	106.2	2.1	3.5				
		TCE-WQM1	Cloudy	Moderate	13:55	8.3	Surface	1.0	1	25.1	8.4	24.7	7.3	101.9	4.5	4.9	7.3	4.0	4.2	
									2	25.1	8.4	24.8	7.3	101.8	5.5	4.4				
							Middle	4.2	1	24.9	8.4	24.7	7.3	101.8	2.7	3.4				
									2	24.9	8.4	24.7	7.3	101.9	2.8	3.6				
							Bottom	7.3	1	24.4	8.4	24.9	7.3	100.6	4.2	4.2				
									2	24.5	8.4	24.8	7.3	100.3	4.2	4.4				
		TCE-WQM2a	Cloudy	Moderate	14:29	7.2	Surface	1.0	1	24.7	8.4	24.5	7.3	100.4	7.1	4.4	7.2	5.4	3.6	
									2	24.7	8.4	24.5	7.3	100.4	7.1	4.6				
							Middle	3.6	1	25.0	8.4	24.7	7.2	100.5	4.4	3.3				
									2	25.1	8.4	24.6	7.2	100.6	4.2	3.6				
							Bottom	6.2	1	25.1	8.4	24.7	7.3	101.2	4.8	2.8				
									2	25.1	8.4	24.7	7.2	101.0	4.9	2.7				
	TCE-WQM2b	Cloudy	Moderate	14:41	10.6	Surface	1.0	1	25.1	8.4	23.7	7.4	103.2	2.6	3.1	7.4	3.0	3.4		
								2	25.0	8.4	23.7	7.5	103.2	3.2	3.5					
						Middle	5.3	1	24.9	8.4	23.7	7.4	102.7	2.1	3.1					
								2	24.9	8.4	23.7	7.4	102.4	2.4	3.0					
						Bottom	9.6	1	25.6	8.4	24.3	7.3	102.4	3.8	3.8					
								2	25.6	8.4	24.3	7.3	102.3	3.7	3.6					
	TCE-WQM3A	Cloudy	Moderate	14:18	4.2	Surface	1.0	1	25.1	8.4	24.2	7.6	105.8	3.2	4.1	7.6	4.5	5.1		
								2	25.1	8.4	24.2	7.6	105.8	3.3	3.8					
						Middle	3.2	1	25.3	8.4	24.4	7.5	105.0	5.8	6.6					
								2	25.3	8.4	24.4	7.5	104.7	5.7	5.7					
						Bottom	3.2	1	25.3	8.4	24.4	7.5	104.7	3.9	5.1					
								2	25.3	8.4	24.4	7.5	104.7	3.9	4.4					
	TCE-WQM4	Cloudy	Moderate	14:07	3.4	Surface	1.0	1	26.9	8.4	24.7	7.3	104.7	3.9	5.1	7.3	5.9	4.6		
								2	26.9	8.4	24.7	7.3	104.7	3.9	4.4					
						Middle	2.4	1	25.0	8.4	24.7	7.4	102.5	7.9	4.3					
								2	25.0	8.4	24.7	7.4	102.5	7.9	4.5					
						Bottom	2.4	1	25.0	8.4	24.7	7.4	102.5	7.9	4.3					
								2	25.0	8.4	24.7	7.4	102.5	7.9	4.5					
	08-04-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	9:39	8.9	Surface	1.0	1	23.7	8.4	22.0	7.4	99.5	5.1	9.7	7.4	4.5	7.0
										2	23.7	8.4	22.0	7.4	99.5	5.3	10.4			
								Middle	4.5	1	23.8	8.4	23.4	7.3	98.9	6.6	5.7			
										2	24.0	8.4	23.3	7.3	98.9	6.1	5.9			
								Bottom	7.9	1	25.8	8.3	24.7	7.2	101.3	2.0	5.0			
										2	25.8	8.3	24.7	7.2	101.3	2.0	5.3			
TCE-C2			Cloudy	Moderate	7:38	12.1	Surface	1.0	1	23.7	8.2	24.6	7.1	96.3	3.9	3.5	7.1	4.7	3.7	
									2	23.7	8.2	24.6	7.1	96.3	3.9	3.4				
							Middle	6.1	1	23.7	8.2	24.8	7.1	96.6	6.8	3.7				
									2	23.7	8.2	24.8	7.1	96.6	7.0	4.2				
							Bottom	11.1	1	23.7	8.2	24.9	7.1	96.6	3.2	4.0				
									2	23.7	8.1	24.9	7.1	96.6	3.2	3.4				
TCE-WQM1		Cloudy	Moderate	8:55	8.8	Surface	1.0	1	24.3	8.3	24.8	7.1	98.0	5.5	4.1	7.1	4.6	5.0		
								2	24.2	8.3	24.8	7.1	97.8	5.3	4.6					
						Middle	4.4	1	24.0	8.4	24.8	7.1	97.3	4.5	4.3					
								2	24.0	8.4	24.8	7.1	97.3	4.4	4.4					
						Bottom	7.8	1	24.7	8.4	24.8	7.2	99.5	3.9	6.7					
								2	24.7	8.4	24.8	7.2	99.5	3.9	6.0					
TCE-WQM2a		Cloudy	Moderate	8:20	7.2	Surface	1.0	1	23.8	8.3	24.4	7.2	97.3	7.1	5.4	7.1	6.3	6.4		
								2	23.8	8.3	24.4	7.2	97.3	7.1	5.6					
						Middle	3.6	1	23.7	8.3	24.6	7.1	96.5	6.7	6.2					
								2	23.7	8.3	24.6	7.1	96.5	6.7	6.2					
						Bottom	6.2	1	23.9	8.3	24.3	7.2	97.9	5.1	7.6					
								2	23.9	8.3	24.3	7.2	97.9	5.1	7.4					
TCE-WQM2b	Cloudy	Moderate	8:08	10.1	Surface	1.0	1	23.6	8.3	25.1	7.1	96.7	7.1	5.2	7.1	6.3	4.7			
							2	23.6	8.3	25.1	7.1	96.8	6.6	5.1						
					Middle	5.1	1	23.6	8.3	25.2	7.0	95.6	7.0	5.8						
							2	23.6	8.3	25.2	7.0	95.7	7.3	5.4						
					Bottom	9.1	1	23.7	8.3	25.1	7.0	95.6	4.9	3.0						
							2	23.7	8.3	25.1	7.0	95.6	5.0	3.4						
TCE-WQM3A	Cloudy	Moderate	8:32	4.3	Surface	1.0	1	23.8	8.3	24.5	7.1	96.8	5.6	3.7	7.1	7.6	3.5			
							2	23.8	8.3	24.5	7.1	96.8	6.3	3.7						
					Middle	3.3	1	24.0	8.3	24.6	7.1	97.1	9.8	3.6						
							2	24.0	8.3	24.6	7.1	97.2	8.8	3.0						
					Bottom	3.3	1	24.0	8.3	24.6	7.1	97.1	9.8	3.6						
							2	24.0	8.3	24.6	7.1	97.2	8.8	3.0						
TCE-WQM4	Cloudy	Moderate	8:43	3.8	Surface	1.0	1	23.8	8.4	24.4	7.2	97.5	8.3	4.8	7.2	6.6	6.5			
							2	23.8	8.4	24.4	7.2	97.5	8.3	4.6						
					Middle	2.8	1	23.8	8.4	24.5	7.2	97.6	5.0	8.9						
							2	23.8	8.4	24.5	7.2	97.6	5.0	8.9						
					Bottom	2.8	1	23.8	8.4	24.5	7.2	97.6	5.0	8.9						
							2	23.8	8.4	24.5	7.2	97.7	4.9	7.5						

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)
10-04-2019	Mid-Ebb	TCE-C1	Fine	Moderate	14:23	8.9	Surface	1.0	1	27.4	8.0	24.5	7.8	113.3	2.1	4.9	7.8	4.7	4.9
									2	27.4	8.0	24.5	7.8	113.0	2.1	5.9			
							Middle	4.5	1	25.0	8.0	26.1	7.9	110.5	4.2	4.9			
									2	25.0	8.0	26.1	7.9	110.1	4.2	4.9			
							Bottom	7.9	1	25.2	8.0	28.5	7.3	104.6	7.9	4.6			
									2	25.2	8.0	28.5	7.3	104.3	7.8	4.2			
				2	24.5	8.0	24.1	7.6	103.9	5.2	2.1								
				2	24.5	8.0	24.1	7.6	104.0	5.3	3.0								
		Middle	6.9	1	24.7	8.0	24.1	7.6	104.5	11.8	4.3								
				2	24.7	8.0	24.1	7.6	104.5	11.8	3.4								
		Bottom	12.8	1	24.8	8.0	24.2	7.6	104.9	14.5	6.1								
				2	24.8	8.0	24.2	7.6	104.6	14.9	5.3								
			2	26.1	8.0	25.0	7.4	104.8	6.5	2.4									
			2	26.1	8.0	25.0	7.4	104.8	6.7	3.3									
	Middle	4.2	1	25.4	8.0	25.3	7.3	103.3	13.9	4.5									
			2	25.4	8.0	25.3	7.3	103.3	15.0	3.7									
	Bottom	7.3	1	25.9	7.9	25.7	7.2	102.2	16.0	3.4									
			2	25.9	7.9	25.7	7.2	102.0	15.7	4.0									
			1	24.8	7.9	24.7	7.2	100.1	6.8	3.8									
			2	24.8	7.9	24.7	7.2	100.1	6.8	2.9									
	Middle	3.5	1	25.1	7.9	25.1	7.2	100.6	3.9	1.9									
			2	25.1	7.9	25.1	7.2	100.5	4.4	2.9									
	Bottom	6.0	1	24.7	7.9	25.2	7.2	99.5	6.1	4.2									
			2	24.7	7.9	25.2	7.2	99.4	5.9	3.3									
		1	24.9	8.0	23.2	7.7	106.3	2.8	2.3										
		2	24.9	8.0	23.2	7.7	106.2	2.7	2.3										
Middle	6.0	1	24.9	8.0	23.9	7.7	106.4	6.2	3.0										
		2	24.9	8.0	23.9	7.7	106.5	6.7	2.1										
Bottom	11.0	1	24.8	7.9	24.0	7.4	102.6	16.6	3.5										
		2	24.7	7.9	24.0	7.4	102.4	16.9	2.7										
		1	25.2	8.0	23.9	7.7	106.6	5.0	2.6										
		2	25.2	8.0	23.9	7.6	106.1	4.7	2.5										
Bottom	3.7	1	25.3	7.9	24.3	7.3	102.6	7.5	5.7										
		2	25.3	7.9	24.3	7.3	102.3	7.5	4.4										
		1	25.4	7.9	24.8	7.3	101.9	5.4	4.8										
		2	25.4	7.9	24.8	7.3	101.9	5.5	4.4										
		1	25.6	7.9	25.2	7.2	101.8	10.6	6.3										
		2	25.6	7.9	25.2	7.2	101.8	10.1	7.1										
		1	23.9	8.0	24.8	7.4	101.3	1.3	3.7										
		2	23.9	8.0	24.8	7.4	101.2	1.4	4.3										
Middle	4.3	1	23.9	8.0	24.5	7.4	100.5	3.5	4.8										
		2	23.9	8.0	24.5	7.4	100.3	3.6	4.1										
Bottom	7.6	1	24.4	7.9	25.4	7.3	100.2	3.4	4.7										
		2	24.4	7.9	25.4	7.2	100.0	3.3	5.0										
		1	24.0	7.8	23.7	7.2	98.2	2.7	4.6										
		2	24.0	7.8	23.8	7.2	98.1	2.8	3.9										
Middle	6.8	1	24.0	7.7	24.0	7.2	97.9	6.1	3.8										
		2	24.0	7.7	24.0	7.2	98.0	6.1	3.4										
Bottom	12.5	1	24.0	7.5	24.2	7.1	96.5	12.9	2.0										
		2	24.0	7.5	24.2	7.1	96.4	12.8	2.6										
		1	24.1	7.9	25.2	7.0	96.8	7.0	7.8										
		2	24.1	7.9	25.2	7.0	96.8	6.7	8.5										
Middle	4.3	1	24.1	7.9	25.2	7.1	97.1	13.5	9.9										
		2	24.1	7.9	25.2	7.1	97.2	13.5	10.9										
Bottom	7.5	1	24.2	7.9	25.2	7.0	96.4	11.5	9.5										
		2	24.2	7.9	25.2	7.0	96.4	11.5	8.5										
		1	24.1	7.9	23.6	7.3	98.8	3.6	3.8										
		2	24.1	7.9	23.6	7.3	98.8	3.6	4.1										
Middle	3.5	1	24.1	7.9	24.3	7.2	98.1	8.4	3.0										
		2	24.1	7.9	24.3	7.2	98.1	8.8	2.7										
Bottom	6.0	1	24.1	7.8	24.4	7.1	97.8	6.2	3.4										
		2	24.1	7.8	24.4	7.1	97.7	6.5	3.8										
		1	24.0	7.9	24.7	7.1	97.6	5.3	3.0										
		2	24.0	7.9	24.7	7.1	97.6	5.3	3.0										
Middle	5.4	1	24.0	7.8	24.7	7.2	97.9	1.8	4.0										
		2	24.0	7.8	24.7	7.2	97.9	1.9	4.8										
Bottom	9.8	1	24.0	7.7	24.8	7.1	97.3	3.1	4.9										
		2	24.0	7.7	24.8	7.1	97.2	3.2	3.9										
		1	24.2	7.9	24.2	7.2	98.2	2.9	2.6										
		2	24.2	7.9	24.2	7.2	98.2	2.7	2.4										
Bottom	3.2	1	24.2	7.9	24.3	7.2	98.5	6.8	3.4										
		2	24.2	7.9	24.3	7.2	98.5	6.6	2.8										
		1	24.0	8.0	24.3	7.2	98.0	2.4	3.8										
		2	24.0	8.0	24.3	7.2	98.0	2.4	4.8										
Bottom	2.9	1	24.0	8.0	24.4	7.2	98.3	2.5	3.0										
		2	24.0	8.0	24.4	7.2	98.3	2.8	2.7										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
12-04-2019	Mid-Ebb	TCE-C1	Rainy	Rough	16:15	7.9	Surface	1.0	1	23.8	8.2	27.9	7.7	106.4	2.0	1.3	7.6	2.0	1.2		
									2	23.8	8.2	28.0	7.7	106.4	2.0	1.0					
							Middle	4.0	1	23.8	8.2	28.2	7.6	106.1	2.1	1.2					
									2	23.8	8.2	28.4	7.6	106.0	2.1	1.2					
							Bottom	6.9	1	23.7	8.2	29.3	7.6	105.5	1.9	1.4					
									2	23.7	8.2	29.3	7.6	105.5	1.9	1.1					
		TCE-C2	Rainy	Rough	18:13	11.7	Surface	1.0	1	23.6	8.1	27.1	7.4	101.9	2.2	<0.5	7.4	2.3	1.0		
									2	23.6	8.2	27.1	7.4	101.9	2.2	<0.5					
							Middle	5.9	1	23.4	8.2	27.2	7.4	102.2	2.3	0.8					
									2	23.4	8.2	27.3	7.4	102.2	2.3	1.1					
							Bottom	10.7	1	23.1	8.2	26.2	7.5	101.7	2.3	1.6					
									2	23.1	8.2	26.2	7.5	101.7	2.4	1.9					
		TCE-WQM1	Rainy	Rough	16:59	8.1	Surface	1.0	1	24.3	8.1	23.5	7.6	103.7	2.9	2.0	7.6	2.9	2.0		
									2	24.3	8.1	23.5	7.6	103.7	2.9	1.7					
							Middle	4.1	1	24.3	8.2	23.4	7.6	103.9	2.7	1.9					
									2	24.3	8.2	23.4	7.6	103.8	2.7	1.8					
							Bottom	7.1	1	24.2	8.2	22.5	7.7	103.7	3.0	2.2					
									2	24.2	8.2	22.5	7.7	103.7	3.3	2.1					
	TCE-WQM2a	Rainy	Rough	17:32	6.8	Surface	1.0	1	24.3	8.1	23.7	7.5	102.3	5.7	1.5	7.5	8.8	2.0			
								2	24.3	8.1	23.7	7.5	102.3	5.7	1.7						
						Middle	3.4	1	24.2	8.1	23.7	7.6	103.5	7.6	1.5						
								2	24.1	8.1	23.7	7.6	103.4	8.1	1.9						
						Bottom	5.8	1	23.4	8.2	23.5	7.6	102.4	13.0	2.7						
								2	23.4	8.2	23.5	7.6	102.4	12.6	2.6						
	TCE-WQM2b	Rainy	Rough	17:44	10.4	Surface	1.0	1	24.1	8.2	24.5	7.7	104.8	1.8	0.9	7.7	1.8	1.0			
								2	24.1	8.2	24.5	7.7	104.8	1.8	0.8						
						Middle	5.2	1	24.0	8.2	24.5	7.7	104.6	1.8	0.9						
								2	23.9	8.1	24.5	7.7	104.6	1.8	0.8						
						Bottom	9.4	1	23.9	8.1	24.5	7.7	104.3	1.7	1.1						
								2	23.9	8.1	24.5	7.7	104.3	1.7	1.3						
	TCE-WQM3A	Rainy	Rough	17:21	4.1	Surface	1.0	1	24.2	8.1	23.7	7.1	97.1	4.1	1.1	7.1	3.9	1.6			
								2	24.2	8.1	23.7	7.1	97.2	4.1	1.0						
						Bottom	3.1	1	24.2	8.1	23.6	7.3	98.8	3.6	2.2						
								2	24.2	8.1	23.6	7.3	98.9	3.7	2.0						
						Surface	1.0	1	23.9	8.1	23.5	7.6	103.2	2.9	1.7				7.6	2.8	1.9
								2	23.9	8.1	23.5	7.6	103.2	2.9	1.9						
Bottom	2.3	1	23.9	8.1	23.4	7.6	103.4	2.6	2.2												
		2	23.9	8.1	23.4	7.6	103.5	2.7	1.9												
Surface	1.0	1	24.1	8.2	26.8	7.6	105.7	2.5	0.8	7.6	2.5	1.6									
		2	24.1	8.2	26.8	7.6	105.6	2.5	1.0												
Middle	3.7	1	24.0	8.2	27.2	7.5	104.0	2.4	1.7												
		2	23.9	8.2	27.2	7.5	103.6	2.4	1.9												
Bottom	6.4	1	23.7	8.2	29.7	7.2	101.3	2.7	2.1												
		2	23.6	8.2	29.7	7.2	101.3	2.7	2.3												
12-04-2019	Mid-Flood	TCE-C1	Rainy	Rough	11:52	7.4	Surface	1.0	1	24.1	8.2	26.8	7.6	105.7	2.5	0.8	7.6	2.5	1.6		
									2	24.1	8.2	26.8	7.6	105.6	2.5	1.0					
							Middle	3.7	1	24.0	8.2	27.2	7.5	104.0	2.4	1.7					
									2	23.9	8.2	27.2	7.5	103.6	2.4	1.9					
							Bottom	6.4	1	23.7	8.2	29.7	7.2	101.3	2.7	2.1					
									2	23.6	8.2	29.7	7.2	101.3	2.7	2.3					
		TCE-C2	Rainy	Rough	9:57	12.2	Surface	1.0	1	24.2	8.0	24.9	7.4	101.8	1.8	1.2	7.4	2.0	1.7		
									2	24.2	8.0	24.9	7.4	101.8	1.8	1.0					
							Middle	6.1	1	24.3	8.0	24.8	7.4	101.7	1.8	1.9					
									2	24.3	8.0	24.8	7.4	101.7	1.8	1.7					
							Bottom	11.2	1	24.4	8.0	24.9	7.3	100.8	2.3	2.2					
									2	24.5	8.0	24.9	7.3	100.6	2.4	2.0					
		TCE-WQM1	Rainy	Rough	11:03	8.2	Surface	1.0	1	24.6	8.1	23.5	7.5	102.2	2.5	1.4	7.5	2.8	1.6		
									2	24.6	8.1	23.5	7.4	102.2	2.5	1.3					
							Middle	4.1	1	24.5	8.1	23.4	7.5	102.3	3.1	1.7					
									2	24.5	8.1	23.5	7.5	102.2	3.0	1.7					
							Bottom	7.2	1	24.3	8.1	23.4	7.5	102.4	2.7	1.7					
									2	24.3	8.1	23.4	7.5	102.4	3.0	1.5					
	TCE-WQM2a	Rainy	Rough	10:30	6.5	Surface	1.0	1	24.3	8.1	22.4	7.5	102.4	2.2	1.3	7.5	2.4	1.4			
								2	24.3	8.1	22.4	7.5	102.4	2.2	1.0						
						Middle	3.3	1	24.4	8.1	22.4	7.6	102.6	2.5	1.5						
								2	24.4	8.1	22.4	7.6	102.6	2.6	1.6						
						Bottom	5.5	1	24.4	8.1	22.4	7.6	102.7	2.4	1.7						
								2	24.4	8.1	22.4	7.6	102.7	2.5	1.5						
	TCE-WQM2b	Rainy	Rough	10:19	10.5	Surface	1.0	1	24.3	8.1	23.1	7.5	102.8	1.9	1.6	7.5	2.2	1.8			
								2	24.3	8.1	23.1	7.5	102.8	2.0	1.7						
						Middle	5.3	1	24.3	8.1	22.7	7.6	102.7	2.2	1.9						
								2	24.3	8.1	22.7	7.6	102.7	2.2	1.6						
						Bottom	9.5	1	24.3	8.1	22.7	7.6	102.8	2.3	1.9						
								2	24.3	8.1	22.7	7.6	102.8	2.5	1.8						
	TCE-WQM3A	Rainy	Rough	10:40	3.9	Surface	1.0	1	24.4	8.1	23.3	7.4	101.3	1.9	0.9	7.4	2.1	1.1			
								2	24.4	8.1	23.3	7.4	101.3	2.0	0.8						
						Bottom	2.9	1	24.4	8.1	23.2	7.4	101.5	2.3	1.2						
								2	24.4	8.1	23.2	7.5	101.7	2.3	1.4						
						Surface	1.0	1	24.4	8.1	23.2	7.5	102.0	2.5	1.3				7.5	2.7	1.5
								2	24.4	8.1	23.2	7.5	102.0	2.5	1.4						
Bottom	2.2	1	24.4	8.1	23.1	7.5	102.2	3.0	1.6												
		2	24.4	8.1	23.1	7.5	102.3	3.0	1.8												

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)
15-04-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:13	7.6	Surface	1.0	1	23.6	8.0	26.4	7.2	98.1	1.6	3.5	7.1	2.3	4.2
								2	23.6	8.0	26.4	7.2	98.2	1.9	4.1				
								1	23.7	8.0	26.4	7.1	97.9	2.0	4.7				
								2	23.7	8.0	26.4	7.1	98.0	2.0	4.0				
								1	23.9	8.0	27.1	7.1	97.8	3.3	4.5				
								2	23.9	8.0	27.1	7.1	97.8	3.2	4.6				
		TCE-C2	Cloudy	Moderate	9:18	13.8	Surface	1.0	1	23.1	7.9	28.6	6.8	93.1	2.2	4.5	6.7	2.8	3.7
								2	23.1	7.9	28.6	6.8	93.0	2.2	3.9				
								1	23.1	7.9	28.7	6.7	92.6	2.2	3.0				
								2	23.1	7.9	28.7	6.7	92.6	2.2	3.3				
								1	23.1	7.8	29.2	6.7	92.6	3.9	3.5				
								2	23.1	7.8	29.2	6.7	92.7	3.9	3.7				
	TCE-WQM1	Cloudy	Moderate	10:33	8.9	Surface	1.0	1	23.3	8.0	26.2	7.0	95.1	6.0	5.9	7.0	5.4	6.0	
							2	23.3	8.0	26.2	7.0	95.3	6.1	5.1					
							1	23.4	8.0	26.1	7.0	95.7	4.7	5.7					
							2	23.4	8.0	26.1	7.0	95.8	4.7	5.7					
							1	23.3	8.0	26.3	6.9	94.7	5.6	6.7					
							2	23.3	8.0	26.3	7.0	94.9	5.4	7.1					
	TCE-WQM2a	Cloudy	Moderate	9:59	7.3	Surface	1.0	1	23.0	8.0	25.5	7.2	96.8	9.3	4.3	7.1	10.5	4.1	
							2	23.0	8.0	25.5	7.2	96.8	9.3	4.4					
							1	23.1	8.0	25.5	7.0	95.0	8.3	3.8					
							2	23.1	8.0	25.5	7.0	94.9	8.1	4.2					
							1	22.9	8.0	25.6	7.3	97.9	13.8	3.7					
							2	22.8	8.0	25.7	7.3	98.1	13.9	4.1					
	TCE-WQM2b	Cloudy	Moderate	9:44	8.9	Surface	1.0	1	23.2	8.0	24.3	7.1	95.7	4.4	3.5	7.1	3.4	3.3	
							2	23.2	8.0	24.3	7.1	95.7	4.4	3.6					
							1	23.3	8.0	24.7	7.1	95.6	1.7	3.6					
							2	23.3	8.0	24.7	7.1	95.5	1.8	3.4					
1							23.3	8.0	25.3	6.9	94.1	4.2	2.9						
2							23.3	8.0	25.2	6.9	94.0	3.9	3.0						
TCE-WQM3A	Cloudy	Calm	10:10	4.2	Surface	1.0	1	23.0	8.0	25.5	7.0	94.0	10.0	12.3	7.0	9.9	12.5		
						2	23.0	8.0	25.5	7.0	94.2	9.9	11.8						
						1	23.1	8.0	25.7	6.8	92.6	9.9	13.0						
						2	23.1	8.0	25.7	6.9	92.9	9.9	12.8						
						1	23.1	8.0	25.5	7.1	95.7	10.6	2.8						
						2	23.1	8.0	25.5	7.1	95.8	10.5	2.5						
TCE-WQM4	Cloudy	Calm	10:22	3.5	Surface	1.0	1	23.0	8.0	25.6	7.2	97.7	4.1	4.3	7.2	7.3	3.4		
						2	23.0	8.0	25.6	7.2	97.9	4.2	3.9						
						1	23.5	8.1	27.8	7.2	98.7	2.8	3.9						
						2	23.5	8.1	27.8	7.2	98.7	2.8	3.9						
						1	23.5	8.1	27.9	7.2	98.9	4.7	4.9						
						2	23.5	8.0	28.3	7.2	99.2	3.9	4.4						
15-04-2019	Mid-Flood	TCE-C1	Cloudy	Rough	13:38	8	Surface	1.0	1	23.5	8.1	27.8	7.2	98.7	2.8	3.9	7.2	3.7	4.2
								2	23.5	8.1	27.8	7.2	98.7	2.8	3.9				
								1	23.5	8.1	28.0	7.2	98.8	4.6	4.4				
								2	23.5	8.1	27.9	7.2	98.9	4.7	4.9				
								1	23.5	8.1	28.3	7.2	99.2	3.9	4.4				
								2	23.5	8.0	28.3	7.2	99.5	3.7	3.9				
		TCE-C2	Cloudy	Rough	15:41	14.2	Surface	1.0	1	22.8	8.0	28.1	7.2	98.1	2.4	4.2	7.2	2.7	3.7
								2	22.8	8.0	28.1	7.2	98.1	2.4	3.5				
								1	23.0	8.0	28.7	7.2	98.9	3.1	3.7				
								2	23.0	8.0	28.7	7.2	98.9	3.1	3.7				
								1	21.7	8.0	29.0	7.3	98.2	2.5	3.4				
								2	21.7	8.0	29.0	7.3	98.2	2.6	3.5				
	TCE-WQM1	Cloudy	Moderate	14:25	8.7	Surface	1.0	1	23.5	8.0	26.2	7.2	98.8	3.9	5.2	7.3	6.1	5.3	
							2	23.5	8.0	26.2	7.2	98.8	3.9	4.9					
							1	23.5	8.0	26.0	7.3	99.5	3.1	5.7					
							2	23.5	8.0	26.0	7.3	99.8	2.9	5.4					
							1	23.5	8.0	26.0	7.3	99.8	11.4	5.4					
							2	23.5	8.0	26.0	7.3	99.9	11.4	5.4					
	TCE-WQM2a	Cloudy	Moderate	15:01	7.5	Surface	1.0	1	23.1	8.0	26.2	7.2	97.2	2.6	4.3	7.2	3.7	4.1	
							2	23.1	8.0	26.2	7.2	97.2	2.6	4.1					
							1	23.1	8.0	26.2	7.2	97.4	2.5	4.7					
							2	23.1	8.0	26.2	7.2	97.4	2.5	4.8					
							1	23.1	8.0	26.2	7.2	98.0	5.8	3.1					
							2	23.1	8.0	26.2	7.2	98.2	6.1	3.4					
TCE-WQM2b	Cloudy	Rough	15:12	9.1	Surface	1.0	1	22.8	8.0	26.2	7.2	97.3	2.1	3.7	7.1	4.5	5.1		
						2	22.8	8.0	26.2	7.2	97.3	2.1	3.7						
						1	23.1	8.0	25.9	7.1	96.3	4.5	4.3						
						2	23.1	8.0	25.9	7.1	96.0	4.4	4.3						
						1	23.1	8.0	27.4	7.1	96.8	7.0	7.5						
						2	23.1	8.0	27.5	7.1	97.4	7.2	7.2						
TCE-WQM3A	Cloudy	Moderate	14:50	4.4	Surface	1.0	1	23.2	8.0	26.2	7.0	95.2	4.2	8.7	7.0	5.0	11.0		
						2	23.2	8.0	26.2	7.0	95.2	4.2	8.3						
						1	23.2	8.0	26.3	7.1	96.2	5.7	13.2						
						2	23.2	8.0	26.3	7.1	96.8	5.8	13.9						
						1	23.2	8.0	26.1	7.3	98.5	1.6	4.0						
						2	23.2	8.0	26.1	7.3	98.6	1.5	4.2						
TCE-WQM4	Cloudy	Moderate	14:38	3.3	Surface	1.0	1	23.1	8.0	26.0	7.3	98.9	1.0	3.7	7.3	1.3	4.0		
						2	23.1	8.0	26.0	7.3	98.9	1.0	3.7						
						1	23.1	8.0	26.0	7.3	99.1	1.1	4.2						
						2	23.1	8.0	26.0	7.3	99.1	1.1	4.2						

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
17-04-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:02	8.4	Surface	1.0	1	23.7	8.4	24.8	6.9	93.9	6.3	3.7	6.9	6.4	4.0		
									2	23.7	8.4	24.8	6.9	93.9	6.3	3.5					
							Middle	4.2	1	23.7	8.4	24.9	6.9	94.1	6.6	3.8					
									2	23.7	8.4	24.9	6.9	94.1	6.6	4.4					
							Bottom	7.4	1	23.7	8.4	24.8	6.9	94.2	6.3	4.2					
									2	23.7	8.4	24.8	6.9	94.2	6.3	4.1					
				TCE-C2	Cloudy	Moderate	10:51	12.4	Surface	1.0	1	24.0	8.3	24.4	7.1	96.7	3.8	2.4	7.1	3.9	2.8
									2	24.0	8.3	24.4	7.1	96.8	3.8	2.9					
		Middle	6.2						1	23.9	8.3	24.5	7.1	96.5	4.1	2.8					
									2	23.9	8.3	24.5	7.1	96.5	4.1	2.2					
		Bottom	11.4						1	23.9	8.3	25.4	7.0	96.4	3.9	2.8					
			2						23.9	8.3	25.4	7.0	96.4	3.9	3.4						
			TCE-WQM1	Cloudy	Calm	12:15	8.4	Surface	1.0	1	23.7	8.4	24.8	6.9	94.0	7.6	9.8	6.9	9.4	10.3	
								2	23.7	8.4	24.8	6.9	94.0	7.7	10.9						
	Middle	4.2						1	23.7	8.4	24.8	6.9	93.9	8.7	10.3						
								2	23.7	8.4	24.8	6.9	93.9	8.9	10.5						
	Bottom	7.4						1	23.8	8.4	24.8	7.0	95.1	11.9	10.2						
								2	23.8	8.4	24.8	7.0	95.3	11.7	9.8						
			TCE-WQM2a	Cloudy	Moderate	11:40	7.2	Surface	1.0	1	24.1	8.3	25.2	7.0	96.8	8.9	4.3	7.0	9.2	5.3	
								2	24.1	8.3	25.2	7.0	96.8	8.9	4.8						
	Middle	3.6						1	24.0	8.3	25.1	6.9	95.1	11.5	4.8						
								2	24.0	8.3	25.1	6.9	95.1	11.1	4.4						
	Bottom	6.2						1	24.0	8.3	25.3	6.9	95.3	7.5	6.8						
		2						24.0	8.3	25.3	7.0	95.4	7.3	6.5							
		TCE-WQM2b	Cloudy	Moderate	11:25	10.1	Surface	1.0	1	23.9	8.3	22.1	6.9	93.1	4.1	4.2	6.9	4.7	4.5		
							2	23.9	8.3	22.1	6.9	93.0	4.1	4.5							
Middle	5.1						1	24.0	8.3	21.9	7.0	93.6	4.6	3.9							
							2	24.0	8.3	21.9	7.0	93.6	4.8	3.5							
Bottom	9.1						1	24.0	8.3	23.2	6.9	94.1	5.2	5.9							
							2	24.0	8.3	23.2	6.9	94.1	5.2	5.1							
		TCE-WQM3A	Cloudy	Calm	11:52	3.9	Surface	1.0	1	24.2	8.3	24.3	6.9	95.1	6.1	5.1	6.9	5.6	4.0		
							2	24.2	8.3	24.3	7.0	95.3	6.0	4.6							
Bottom	2.9						1	24.4	8.3	24.5	7.0	96.6	5.1	3.3							
							2	24.4	8.3	24.5	7.0	96.6	5.1	3.1							
Surface	1.0						1	24.3	8.4	24.7	7.0	95.8	2.2	3.3							
							2	24.3	8.4	24.7	7.0	95.8	2.2	3.0							
		TCE-WQM4	Cloudy	Calm	12:02	3.4	Bottom	2.4	1	24.3	8.4	24.8	7.0	96.2	1.9	2.7	7.0	2.1	3.1		
							2	24.3	8.4	24.8	7.0	96.2	2.0	3.5							
Surface	1.0						1	24.3	8.4	24.8	7.0	96.2	2.0	3.5							
							2	24.3	8.4	24.8	7.0	96.2	2.0	3.5							
Bottom	2.4						1	24.3	8.4	24.8	7.0	96.2	1.9	2.7							
							2	24.3	8.4	24.8	7.0	96.2	2.0	3.5							
17-04-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	15:45	8.2	Surface	1.0	1	23.4	8.3	26.1	7.3	99.2	5.6	3.1	7.3	7.2	6.6		
									2	23.4	8.3	26.1	7.3	99.2	5.6	3.7					
							Middle	4.1	1	23.4	8.3	26.1	7.3	99.3	7.3	7.4					
									2	23.4	8.3	26.1	7.3	99.3	7.3	7.2					
							Bottom	7.2	1	23.4	8.3	26.0	7.3	99.5	8.9	9.3					
									2	23.4	8.3	26.0	7.3	99.6	8.9	8.7					
				TCE-C2	Cloudy	Moderate	17:41	12.6	Surface	1.0	1	23.9	8.4	25.5	7.0	96.4	5.1	3.8	7.0	4.3	3.5
									2	23.9	8.4	25.5	7.0	96.4	5.2	4.2					
		Middle	6.3						1	23.9	8.4	25.4	7.0	96.6	4.1	3.2					
									2	24.0	8.4	25.4	7.0	96.6	3.8	3.4					
		Bottom	11.6						1	24.0	8.4	25.5	7.0	96.6	4.1	2.7					
									2	24.0	8.4	25.5	7.0	96.6	3.9	3.4					
			TCE-WQM1	Cloudy	Moderate	16:34	8.3	Surface	1.0	1	24.2	8.4	24.9	6.9	94.6	9.0	9.2	6.9	7.5	9.2	
								2	24.2	8.4	24.9	6.9	94.6	9.1	9.7						
	Middle	4.2						1	24.2	8.4	24.9	6.9	94.8	6.6	9.4						
								2	24.3	8.4	24.9	6.9	94.9	6.7	9.6						
	Bottom	7.3						1	24.3	8.4	24.9	6.9	95.1	6.9	8.7						
								2	24.3	8.4	24.9	6.9	95.1	6.8	8.5						
			TCE-WQM2a	Cloudy	Moderate	17:03	7.5	Surface	1.0	1	24.1	8.4	24.0	7.1	96.5	7.6	6.0	7.1	7.4	4.9	
								2	24.1	8.4	24.0	7.1	96.5	7.6	5.8						
	Middle	3.8						1	24.3	8.4	23.9	7.1	96.7	5.7	4.8						
								2	24.3	8.4	23.9	7.1	96.8	6.0	4.7						
	Bottom	6.5						1	24.4	8.4	24.0	7.1	97.5	8.8	3.8						
								2	24.4	8.4	24.0	7.1	97.4	8.7	4.4						
		TCE-WQM2b	Cloudy	Moderate	17:14	10.3	Surface	1.0	1	24.2	8.4	24.0	7.1	97.2	9.0	4.5	7.1	9.2	4.0		
							2	24.2	8.4	24.0	7.1	97.1	9.0	4.4							
Middle	5.2						1	24.2	8.4	23.9	7.1	96.8	8.5	4.0							
							2	24.2	8.4	23.9	7.1	96.9	8.5	4.1							
Bottom	9.3						1	24.3	8.4	23.9	7.1	97.6	10.2	3.6							
							2	24.3	8.4	23.9	7.1	97.6	10.2	3.3							
		TCE-WQM3A	Cloudy	Calm	16:55	4.1	Surface	1.0	1	24.4	8.4	24.0	7.1	96.6	8.4	7.6	7.1	9.7	6.9		
							2	24.4	8.4	24.0	7.1	96.7	8.6	7.6							
Bottom	3.1						1	24.4	8.4	23.9	7.1	97.3	10.8	6.4							
							2	24.4	8.4	23.9	7.1	97.3	10.8	6.1							
Surface	1.0						1	24.3	8.4	24.3	7.0	96.1	8.3	9.6							
							2	24.4	8.4	24.3	7.0	96.3	8.6	9.8							
		TCE-WQM4	Cloudy	Calm	16:45	3.4	Bottom	2.4	1	24.5	8.4	24.6	7.0	96.8	11.6	9.4	7.0	10.0	9.5		
							2	24.5	8.4	24.6	7.0	96.8	11.6	9.2							
Surface	1.0						1	24.3	8.4	24.3	7.0	96.3	8.6	9.8							
							2	24.4	8.4	24.3	7.0	96.3	8.6	9.8							
Bottom	2.4						1	24.5	8.4	24.6	7.0	96.8	11.6	9.4							
							2	24.5	8.4	24.6	7.0	96.8	11.6	9.2							

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)	
19-04-2019	Mid-Ebb	TCE-C1	Rainy	Moderate	14:17	7.8	Surface	1.0	1	23.6	8.0	25.3	7.0	94.8	5.2	6.3	6.9	7.7	10.3	
									2	23.6	8.0	25.3	7.0	94.7	5.0	6.7				
							Middle	3.9	1	23.5	8.0	25.5	6.9	94.3	7.3	8.5				
									2	23.5	8.0	25.5	6.9	94.3	7.3	8.4				
							Bottom	6.8	1	23.4	8.0	25.8	6.9	93.8	10.7	16.1				
									2	23.4	8.0	25.8	6.9	93.8	10.8	16.0				
		TCE-C2	Rainy	Moderate	12:11	13.4	Surface	1.0	1	23.8	7.8	24.6	6.8	93.1	4.2	5.5	6.8	3.6	5.6	
									2	23.7	7.8	24.6	6.8	92.9	4.3	4.7				
							Middle	6.7	1	23.7	7.9	25.1	6.8	92.1	3.6	6.0				
									2	23.7	7.8	25.1	6.8	92.2	3.7	5.8				
							Bottom	12.4	1	23.7	7.9	25.4	6.8	92.7	3.1	5.5				
									2	23.7	7.9	25.4	6.8	92.9	2.9	6.0				
	TCE-WQM1	Rainy	Moderate	13:36	8.3	Surface	1.0	1	23.5	7.9	24.8	6.9	94.2	8.5	13.1	6.9	10.1	13.4		
								2	23.5	7.9	24.8	7.0	94.7	8.7	14.0					
						Middle	4.2	1	23.5	7.9	24.9	6.9	93.9	8.9	13.8					
								2	23.5	7.9	24.9	6.9	94.2	8.8	13.4					
						Bottom	7.3	1	23.6	8.0	24.8	6.9	93.8	12.7	12.8					
								2	23.6	8.0	24.8	6.9	93.9	13.0	13.1					
	TCE-WQM2a	Rainy	Moderate	13:01	7.6	Surface	1.0	1	23.6	7.9	25.0	6.8	92.4	9.0	7.2	6.8	7.5	6.5		
								2	23.6	7.9	25.0	6.8	92.4	9.0	7.1					
						Middle	3.8	1	23.7	7.9	24.8	6.9	93.5	4.9	6.0					
								2	23.7	7.9	24.8	6.9	93.7	5.1	5.8					
						Bottom	6.6	1	23.7	7.9	25.0	6.8	93.0	8.5	6.4					
								2	23.7	8.0	25.0	6.8	93.1	8.7	6.3					
TCE-WQM2b	Rainy	Moderate	12:49	10.9	Surface	1.0	1	23.9	7.9	21.8	6.9	93.0	4.5	4.7	6.9	4.8	7.0			
							2	23.9	7.9	21.8	6.9	93.1	4.6	4.7						
					Middle	5.5	1	23.9	7.9	22.4	6.9	93.3	5.5	7.3						
							2	23.9	7.9	22.4	6.9	93.3	5.6	7.1						
					Bottom	9.9	1	24.0	7.9	22.8	6.9	93.4	4.4	9.1						
							2	24.0	8.0	22.8	6.9	93.5	4.2	8.8						
TCE-WQM3A	Rainy	Calm	13:13	4.4	Surface	1.0	1	23.8	7.9	24.5	6.9	93.4	6.6	5.1	6.9	5.5	6.2			
							2	23.8	7.9	24.5	6.9	93.7	6.3	5.6						
					Bottom	3.4	1	24.0	8.0	24.7	6.9	94.3	4.5	7.4						
							2	24.0	8.0	24.7	6.9	94.3	4.4	6.8						
					Surface	1.0	1	23.7	7.9	24.7	6.8	92.7	6.6	5.7				6.8	6.7	5.7
							2	23.7	7.9	24.6	6.8	92.7	6.8	4.9						
Bottom	2.6	1	24.0	8.0	24.6	6.9	93.8	6.8	6.2											
		2	24.0	8.0	24.6	6.9	94.2	6.7	6.0											
Surface	1.0	1	23.3	8.0	25.4	6.9	94.2	7.2	8.0	6.9	7.7	9.2								
		2	23.3	8.0	25.4	6.9	94.2	7.6	8.0											
Middle	4.1	1	23.3	8.0	25.4	6.9	94.1	7.9	9.8											
		2	23.3	8.0	25.4	6.9	94.1	8.0	9.2											
Bottom	7.1	1	23.3	8.0	25.4	6.9	94.1	7.7	10.1											
		2	23.3	8.0	25.3	6.9	94.2	7.6	10.0											
19-04-2019	Mid-Flood	TCE-C1	Rainy	Rough	17:35	8.1	Surface	1.0	1	23.3	8.0	25.4	6.9	94.2	7.2	8.0	6.9	7.7	9.2	
									2	23.3	8.0	25.4	6.9	94.2	7.6	8.0				
							Middle	4.1	1	23.3	8.0	25.4	6.9	94.1	7.9	9.8				
									2	23.3	8.0	25.4	6.9	94.1	8.0	9.2				
							Bottom	7.1	1	23.3	8.0	25.4	6.9	94.1	7.7	10.1				
									2	23.3	8.0	25.3	6.9	94.2	7.6	10.0				
		TCE-C2	Rainy	Moderate	19:53	13.7	Surface	1.0	1	23.2	8.0	24.4	6.8	92.0	9.1	4.8	6.8	6.0	6.5	
									2	23.2	8.0	24.4	6.8	91.9	9.1	4.9				
							Middle	6.9	1	23.0	8.0	24.3	6.9	91.8	5.0	7.7				
									2	22.9	8.0	24.3	6.9	91.9	5.1	7.7				
							Bottom	12.7	1	22.8	8.0	24.4	6.9	92.3	4.0	6.7				
									2	22.8	8.0	24.4	6.9	92.5	3.9	7.0				
TCE-WQM1	Rainy	Moderate	18:28	8.6	Surface	1.0	1	22.9	8.0	22.5	7.0	92.2	10.0	13.6	7.0	11.2	14.6			
							2	22.9	8.0	22.5	7.0	92.3	10.1	13.5						
					Middle	4.3	1	22.9	8.0	22.0	7.0	92.1	10.9	13.9						
							2	22.9	8.0	22.0	7.0	92.1	11.0	14.4						
					Bottom	7.6	1	22.9	8.0	22.4	7.0	92.1	12.6	16.2						
							2	22.9	8.0	22.4	7.0	92.2	12.7	16.1						
TCE-WQM2a	Rainy	Moderate	19:06	7.8	Surface	1.0	1	23.3	8.0	22.6	7.0	93.0	7.1	8.5	7.0	8.5	7.9			
							2	23.3	8.0	22.6	7.0	93.0	7.1	8.8						
					Middle	3.9	1	23.2	8.0	23.4	7.0	93.5	11.4	8.4						
							2	23.2	8.0	23.4	7.0	93.6	11.8	8.0						
					Bottom	6.8	1	23.2	8.0	23.4	7.0	93.4	6.8	6.9						
							2	23.2	8.0	23.4	7.0	93.7	6.8	6.6						
TCE-WQM2b	Rainy	Moderate	19:18	11.3	Surface	1.0	1	23.2	7.9	22.4	6.9	91.6	5.4	5.8	6.9	9.3	6.3			
							2	23.3	7.9	22.4	6.9	91.6	5.4	5.5						
					Middle	5.7	1	23.1	7.9	22.4	7.0	92.4	10.7	6.5						
							2	23.1	7.9	22.4	7.0	92.5	10.9	6.4						
					Bottom	10.3	1	23.1	8.0	22.3	7.0	92.9	11.5	7.2						
							2	23.1	8.0	22.3	7.0	93.1	11.8	6.5						
TCE-WQM3A	Rainy	Calm	18:55	4.6	Surface	1.0	1	23.0	8.0	23.7	6.9	92.6	9.3	18.2	6.9	6.9	15.9			
							2	22.9	8.0	23.7	6.9	92.6	9.4	17.4						
					Bottom	3.6	1	23.0	8.0	23.7	7.0	93.0	4.5	14.1						
							2	23.0	8.0	23.7	7.0	93.2	4.4	13.9						
					Surface	1.0	1	23.0	8.0	23.9	6.9	91.7	14.3	7.4				6.9	14.3	7.6
							2	23.0	8.0	23.9	6.9	91.8	14.0	7.4						
Bottom	2.7	1	23.0	8.0	23.9	6.9	92.5	14.5	8.2											
		2	23.0	8.0	23.9	6.9	92.5	14.3	7.4											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
22-04-2019	Mid-Ebb	TCE-C1	Sunny	Moderate	13:11	8.7	Surface	1.0	1	24.4	7.9	15.1	6.9	89.7	3.4	4.8	6.8	4.1	6.5								
									2	24.3	7.9	15.1	6.9	89.8	3.6	4.9											
							Middle	4.4	1	24.0	8.0	19.5	6.8	90.2	3.2	4.8											
									2	24.0	8.0	19.5	6.8	90.3	3.2	5.3											
							Bottom	7.7	1	23.8	8.0	27.2	6.8	93.4	5.5	9.6											
									2	23.8	8.0	27.2	6.8	93.4	5.5	9.8											
		TCE-C2	Sunny	Moderate	15:18	13.2	Surface	1.0	1	24.8	7.8	15.8	6.7	88.3	1.9	3.5	6.8	3.9	5.6								
									2	24.8	7.8	15.8	6.7	88.4	1.9	3.5											
							Middle	6.6	1	24.5	7.8	16.5	6.8	90.0	3.2	5.3											
									2	24.5	7.8	16.5	6.9	90.4	3.2	5.6											
							Bottom	12.2	1	24.7	7.9	17.0	6.8	89.7	6.6	7.8											
									2	24.7	7.9	17.0	6.8	90.2	6.4	7.7											
	TCE-WQM1	Sunny	Calm	14:04	8.3	Surface	1.0	1	24.7	7.9	18.1	6.7	89.5	8.7	10.4	6.7	8.7	11.9									
								2	24.8	7.9	18.1	6.7	89.8	8.6	11.0												
						Middle	4.2	1	24.9	7.9	18.6	6.8	90.9	8.9	11.1												
								2	24.9	7.9	18.6	6.8	90.9	8.9	11.5												
						Bottom	7.3	1	24.6	7.9	18.5	6.8	90.4	8.5	13.6												
								2	24.6	7.9	18.5	6.8	90.4	8.6	13.8												
	TCE-WQM2a	Sunny	Moderate	14:41	11.5	Surface	1.0	1	24.8	7.9	19.4	6.6	89.4	2.6	5.7	6.7	3.3	6.5									
								2	24.8	7.9	19.4	6.6	89.4	2.6	5.3												
						Middle	5.8	1	24.5	7.9	19.9	6.7	89.7	3.1	5.9												
								2	24.5	7.9	19.9	6.7	89.8	3.2	5.6												
						Bottom	10.5	1	24.5	7.9	20.6	6.7	90.1	3.9	8.2												
								2	24.5	7.9	20.6	6.7	90.2	4.1	8.0												
TCE-WQM2b	Sunny	Moderate	14:55	7.7	Surface	1.0	1	25.1	7.8	15.5	6.8	90.2	2.2	4.0	6.8	7.2	10.5										
							2	25.1	7.8	15.5	6.8	90.3	2.3	4.5													
					Middle	3.9	1	24.6	7.8	17.1	6.7	88.8	7.3	8.9													
							2	24.6	7.8	17.1	6.7	88.9	7.3	9.4													
					Bottom	6.7	1	24.7	7.9	18.4	6.8	90.6	12.1	17.5													
							2	24.7	7.9	18.4	6.8	90.7	12.1	18.6													
TCE-WQM3A	Sunny	Calm	14:29	4.7	Surface	1.0	1	25.0	7.8	17.8	6.6	88.2	2.6	3.5	6.6	5.3	6.1										
							2	25.0	7.8	17.8	6.6	88.4	3.0	4.0													
					Bottom	3.7	1	24.5	7.9	18.6	6.6	88.4	7.7	8.3													
							2	24.5	7.9	18.6	6.6	88.4	7.8	8.5													
					TCE-WQM4	Sunny	Calm	14:17	4.4	Surface	1.0	1	24.9	7.9				17.9	6.8	91.5	2.6	5.2	6.8	4.1	5.8		
												2	24.8	7.9				17.9	6.9	91.6	3.1	4.7					
Bottom	3.4	1	24.9	7.9						18.5	6.9	92.8	5.1	6.5													
		2	24.8	7.9						18.5	6.9	93.0	5.5	6.6													
22-04-2019	Mid-Flood	TCE-C1	Fine	Moderate						10:04	8.7	Surface	1.0	1	24.5	7.9	11.5	7.0	89.6	3.6	4.4	7.0				6.8	9.1
														2	24.5	7.9	11.5	7.0	89.6	3.7	5.2						
					Middle	4.4	1	24.8	7.9			15.3	7.0	92.1	5.3	6.3											
							2	24.8	7.9			15.3	7.0	92.1	5.4	5.9											
					Bottom	7.7	1	24.7	7.9			22.6	6.8	93.1	11.5	16.4											
							2	24.7	7.9			22.6	6.8	93.0	11.2	16.1											
		TCE-C2	Fine	Moderate	7:58	13.4	Surface	1.0	1	23.8	7.8	17.6	6.6	86.9	1.9	2.8	6.6	2.9	3.9								
									2	23.8	7.8	17.6	6.6	86.9	2.0	3.5											
							Middle	6.7	1	23.7	7.9	18.7	6.6	87.1	3.6	3.8											
									2	23.7	7.9	18.7	6.6	87.2	3.9	3.5											
							Bottom	12.4	1	23.6	7.9	22.5	6.6	88.1	3.0	4.7											
									2	23.6	7.9	22.5	6.6	88.3	3.0	4.9											
	TCE-WQM1	Fine	Calm	9:14	8.5	Surface	1.0	1	24.3	7.8	17.8	6.9	91.4	4.2	3.9	6.9	4.1	4.3									
								2	24.3	7.8	17.8	6.9	91.5	4.4	3.3												
						Middle	4.3	1	24.3	7.8	17.8	6.8	90.1	4.1	3.7												
								2	24.3	7.8	17.8	6.8	90.2	4.0	4.4												
						Bottom	7.5	1	24.3	7.8	18.2	6.8	89.9	3.7	5.2												
								2	24.3	7.8	18.2	6.8	89.9	3.9	5.1												
	TCE-WQM2a	Fine	Moderate	8:37	11	Surface	1.0	1	23.9	7.8	16.6	6.7	87.0	2.7	4.2	6.7	4.3	6.2									
								2	23.9	7.8	16.6	6.7	87.0	2.7	3.9												
						Middle	5.5	1	23.9	7.8	17.0	6.7	88.0	4.6	5.5												
								2	23.9	7.8	17.0	6.8	88.2	4.8	6.3												
						Bottom	10.0	1	23.9	7.8	18.5	6.6	86.9	5.5	8.7												
								2	23.9	7.8	18.5	6.6	86.9	5.8	8.3												
TCE-WQM2b	Fine	Moderate	8:21	7	Surface	1.0	1	23.8	7.8	16.6	6.6	86.5	2.0	5.4	6.7	7.6	12.9										
							2	23.8	7.8	16.6	6.7	86.7	2.0	6.2													
					Middle	3.5	1	23.8	7.8	18.1	6.7	87.9	6.9	10.6													
							2	23.8	7.8	18.1	6.7	88.0	7.0	11.1													
					Bottom	6.0	1	23.8	7.8	19.2	6.5	86.3	13.6	22.1													
							2	23.7	7.8	19.2	6.6	86.4	14.0	21.9													
TCE-WQM3A	Fine	Moderate	8:51	4.2	Surface	1.0	1	24.0	7.8	17.2	6.7	87.6	3.3	6.1	6.7	3.7	7.0										
							2	24.0	7.8	17.2	6.7	87.6	3.2	6.3													
					Bottom	3.2	1	24.0	7.8	17.6	6.7	87.7	4.2	7.4													
							2	24.0	7.8	17.6	6.7	87.8	4.2	8.0													
					TCE-WQM4	Fine	Calm	9:02	3.9	Surface	1.0	1	24.1	7.8				17.0	6.7	87.8	2.1	3.8	6.7	3.4	5.4		
												2	24.1	7.8				17.0	6.7	87.9	2.2	3.7					
Bottom	2.9	1	24.1	7.8						17.4	6.7	88.4	4.5	6.7													
		2	24.1	7.8						17.4	6.7	88.6	4.8	7.4													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
24-04-2019	Mid-Ebb	TCE-C1	Sunny	Moderate	14:36	8.8	Surface	1.0	1	26.1	8.2	16.5	6.9	94.0	8.8	5.8	6.6	12.6	5.6
									2	26.1	8.2	16.5	6.9	94.0	8.8	5.3			
							Middle	4.4	1	24.1	8.2	28.6	6.2	86.4	10.9	5.1			
									2	24.1	8.2	28.6	6.2	86.5	11.0	6.0			
							Bottom	7.8	1	23.8	8.2	30.7	6.0	85.2	17.9	5.8			
									2	23.8	8.2	30.7	6.0	85.1	17.9	5.7			
		TCE-C2	Sunny	Moderate	16:37	14.8	Surface	1.0	1	25.9	8.2	15.2	6.6	88.7	8.6	5.1	6.4	9.7	5.5
									2	25.9	8.2	15.2	6.6	88.7	8.6	4.8			
							Middle	7.4	1	25.3	8.2	16.6	6.2	83.2	9.7	5.8			
									2	25.3	8.2	16.6	6.2	83.3	9.8	6.0			
							Bottom	13.8	1	24.2	8.2	27.4	5.9	82.7	10.7	5.6			
									2	24.2	8.2	27.4	5.9	82.7	10.7	5.5			
		TCE-WQM1	Sunny	Calm	15:21	8.6	Surface	1.0	1	25.7	8.2	17.8	6.5	87.9	10.5	4.9	6.3	14.3	5.2
									2	25.7	8.2	17.8	6.5	87.8	10.5	4.4			
							Middle	4.3	1	25.2	8.2	19.4	6.2	83.4	12.8	5.3			
									2	25.2	8.2	19.4	6.2	83.5	12.9	5.3			
							Bottom	7.6	1	24.7	8.3	22.1	6.1	83.2	19.4	5.9			
									2	24.7	8.3	22.1	6.1	83.4	19.4	5.2			
	TCE-WQM2a	Sunny	Calm	15:58	7.7	Surface	1.0	1	25.5	8.3	18.2	6.4	87.0	11.7	9.2	6.4	12.5	9.0	
								2	25.5	8.3	18.2	6.4	87.0	11.7	9.7				
						Middle	3.9	1	25.4	8.3	18.5	6.3	85.9	10.9	7.8				
								2	25.4	8.3	18.5	6.3	85.8	10.9	8.6				
						Bottom	6.7	1	25.0	8.2	20.2	6.1	83.0	14.9	9.0				
								2	24.9	8.2	20.3	6.1	83.1	15.1	9.5				
	TCE-WQM2b	Sunny	Moderate	16:13	12.2	Surface	1.0	1	26.0	8.2	14.5	6.6	87.8	8.9	3.1	6.2	14.9	3.4	
								2	26.0	8.2	14.5	6.6	87.6	8.9	2.8				
						Middle	6.1	1	24.9	8.2	19.9	5.9	79.7	14.4	4.0				
								2	24.9	8.2	19.9	5.9	79.6	14.5	3.7				
						Bottom	11.2	1	24.2	8.2	26.2	5.7	79.5	21.4	3.2				
								2	24.2	8.2	26.1	5.8	79.7	21.1	3.6				
	TCE-WQM3A	Sunny	Calm	15:47	4.5	Surface	1.0	1	25.4	8.3	17.8	6.0	81.1	11.7	7.2	6.0	13.3	7.1	
								2	25.5	8.3	17.7	6.0	81.0	11.8	6.9				
						Bottom	3.5	1	24.9	8.3	19.3	5.7	76.8	14.7	6.8				
								2	24.9	8.3	19.3	5.7	77.0	14.8	7.6				
								1	26.5	8.2	16.4	7.0	95.5	9.0	4.5				
								2	26.5	8.2	16.5	7.0	95.5	9.1	4.5				
TCE-WQM4	Sunny	Calm	15:35	4.4	Surface	1.0	1	26.5	8.2	16.4	7.0	95.5	9.0	4.5	7.0	10.1	4.8		
							2	26.5	8.2	16.5	7.0	95.5	9.1	4.5					
					Bottom	3.4	1	25.5	8.2	18.5	6.6	89.5	11.2	4.9					
							2	25.5	8.2	18.4	6.6	89.7	11.1	5.3					
							1	24.6	8.2	16.5	6.2	82.3	10.8	6.6					
							2	24.6	8.2	16.5	6.3	82.4	10.9	7.2					
24-04-2019	Mid-Flood	TCE-C1	Sunny	Moderate	11:02	8.6	Surface	1.0	1	24.6	8.2	16.5	6.2	82.3	10.8	6.6	6.1	16.3	5.7
									2	24.6	8.2	16.5	6.3	82.4	10.9	7.2			
							Middle	4.3	1	23.9	8.2	30.2	6.0	84.6	14.4	5.2			
									2	23.9	8.2	30.2	6.0	84.6	14.9	5.4			
							Bottom	7.6	1	23.8	8.2	30.5	6.0	84.5	23.5	4.9			
									2	23.8	8.2	30.5	6.0	84.4	23.3	5.0			
		TCE-C2	Sunny	Moderate	8:57	13.6	Surface	1.0	1	25.0	8.3	17.4	6.0	80.0	8.0	4.3	5.9	9.7	5.4
									2	25.0	8.3	17.3	6.0	80.0	8.0	5.0			
							Middle	6.8	1	24.1	8.3	26.2	5.8	80.4	8.6	4.9			
									2	24.1	8.3	26.2	5.8	80.4	8.6	5.1			
							Bottom	12.6	1	23.8	8.2	30.2	5.8	81.7	12.5	6.9			
									2	23.8	8.2	30.2	5.8	81.8	12.3	6.2			
		TCE-WQM1	Sunny	Calm	10:13	8	Surface	1.0	1	25.4	8.2	17.3	6.2	82.9	8.9	5.8	6.1	10.9	5.6
									2	25.3	8.2	17.3	6.2	82.9	8.9	6.0			
							Middle	4.0	1	25.1	8.2	17.9	6.0	80.8	10.2	5.0			
									2	25.1	8.2	17.9	6.0	80.9	10.2	5.7			
							Bottom	7.0	1	24.9	8.2	19.6	5.9	80.3	13.6	5.5			
									2	24.9	8.2	19.5	6.0	80.6	13.4	5.7			
TCE-WQM2a	Sunny	Moderate	9:38	6.8	Surface	1.0	1	25.2	8.2	16.1	5.9	78.8	10.1	8.5	5.9	9.1	7.6		
							2	25.2	8.2	16.1	5.9	78.8	10.1	8.5					
					Middle	3.4	1	24.8	8.2	19.2	5.8	77.7	8.8	6.5					
							2	24.8	8.2	19.2	5.8	77.6	8.8	7.4					
					Bottom	5.8	1	24.7	8.2	20.0	5.8	77.8	8.3	7.3					
							2	24.7	8.2	20.0	5.8	78.1	8.2	7.6					
TCE-WQM2b	Sunny	Moderate	9:24	11.5	Surface	1.0	1	25.0	8.2	16.7	5.8	76.8	8.9	6.3	5.7	10.1	5.4		
							2	25.0	8.2	16.7	5.8	76.8	8.8	6.7					
					Middle	5.8	1	24.8	8.2	18.9	5.7	76.4	9.8	4.6					
							2	24.8	8.2	18.9	5.7	76.3	9.8	4.9					
					Bottom	10.5	1	24.7	8.2	19.8	5.7	76.9	11.5	4.9					
							2	24.7	8.2	19.8	5.7	77.0	11.7	5.0					
TCE-WQM3A	Sunny	Calm	9:52	4.3	Surface	1.0	1	25.3	8.2	14.9	6.0	78.8	8.9	5.7	6.0	9.5	6.2		
							2	25.3	8.2	14.9	6.0	78.8	8.9	6.2					
					Bottom	3.3	1	25.1	8.2	16.0	5.9	78.7	10.1	6.0					
							2	25.1	8.2	16.0	5.9	78.8	10.1	6.8					
							1	25.1	8.2	16.1	5.9	78.9	10.1	5.2					
							2	25.1	8.2	16.1	6.0	79.0	10.1	5.0					
TCE-WQM4	Sunny	Calm	10:04	4.4	Surface	1.0	1	25.1	8.2	16.1	6.0	79.0	10.1	5.0	5.9	10.6	5.7		
							2	25.1	8.2	16.1	6.0	79.0	10.1	5.0					
					Bottom	3.4	1	25.1	8.2	17.0	6.0	80.4	11.1	6.4					
							2	25.1	8.2	16.9	6.0	80.5	11.2	6.0					
							1	25.1	8.2	16.9	6.0	80.5	11.2	6.0					
							2	25.1	8.2	16.9	6.0	80.5	11.2	6.0					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
26-04-2019	Mid-Ebb	TCE-C1	Fine	Moderate	16:21	7.6	Surface	1.0	1	27.0	8.3	12.0	9.4	125.8	3.4	4.2	9.4	3.2	2.9	
									2	27.0	8.3	12.0	9.4	125.7	3.4	3.2				
							Middle	3.8	1	26.7	8.2	13.5	9.3	125.8	3.3	3.3				
									2	26.7	8.3	13.5	9.3	125.8	3.3	3.5				
							Bottom	6.6	1	26.3	8.2	21.0	7.4	103.3	2.8	1.0				
									2	26.3	8.2	21.0	7.4	103.1	2.8	2.0				
		TCE-C2	Fine	Moderate	18:11	13.2	Surface	1.0	1	27.5	8.3	13.0	9.2	125.4	3.3	2.7	9.2	3.3	3.7	
									2	27.4	8.3	13.1	9.2	125.3	3.3	2.7				
							Middle	6.6	1	26.8	8.3	14.2	9.1	123.5	3.3	4.1				
									2	26.8	8.2	14.1	9.1	123.0	3.3	4.5				
							Bottom	12.2	1	26.6	8.2	15.1	9.2	125.0	3.3	4.1				
									2	26.6	8.2	15.1	9.2	124.9	3.4	4.3				
	TCE-WQM1	Fine	Moderate	17:05	9.4	Surface	1.0	1	27.4	8.4	16.8	10.6	147.3	3.2	5.2	10.6	3.3	4.7		
								2	27.4	8.4	16.8	10.6	147.2	3.2	4.6					
						Middle	4.7	1	27.5	8.4	16.7	10.6	147.7	3.4	4.3					
								2	27.5	8.4	16.7	10.6	147.4	3.4	3.4					
						Bottom	8.4	1	27.6	8.4	16.7	10.6	147.7	3.2	5.8					
								2	27.6	8.4	16.7	10.6	147.6	3.2	4.8					
	TCE-WQM2a	Fine	Moderate	17:35	7.1	Surface	1.0	1	26.8	8.3	14.9	9.8	133.4	3.8	6.0	9.7	4.5	5.0		
								2	26.8	8.3	14.9	9.8	133.4	3.8	5.0					
						Middle	3.6	1	26.7	8.3	15.3	9.7	131.8	4.1	4.9					
								2	26.7	8.3	15.3	9.7	131.6	4.3	5.1					
						Bottom	6.1	1	26.7	8.3	15.6	9.6	130.8	5.5	4.4					
								2	26.7	8.3	15.6	9.6	130.4	5.4	4.7					
TCE-WQM2b	Fine	Moderate	17:47	10.8	Surface	1.0	1	26.5	8.1	13.7	8.4	112.3	3.0	3.1	8.4	3.0	3.9			
							2	26.5	8.1	13.7	8.4	112.3	3.0	3.5						
					Middle	5.4	1	26.6	8.1	13.7	8.4	113.3	3.0	3.7						
							2	26.6	8.1	13.7	8.5	113.6	3.0	3.0						
					Bottom	9.8	1	26.7	8.2	13.8	8.6	115.5	3.0	5.3						
							2	26.7	8.2	13.8	8.6	115.6	3.1	4.5						
TCE-WQM3A	Fine	Moderate	17:25	4	Surface	1.0	1	26.3	8.0	16.6	7.6	103.7	3.9	5.8	7.6	3.3	4.1			
							2	26.4	8.0	16.6	7.6	104.0	3.8	6.8						
					Bottom	3.0	1	26.9	8.2	13.8	8.6	116.1	2.7	1.4						
							2	26.9	8.2	13.8	8.6	116.4	2.7	2.3						
					Surface	1.0	1	27.3	8.3	14.9	10.0	137.2	3.5	4.1				10.0	3.4	3.4
							2	27.3	8.3	14.9	10.0	137.0	3.7	3.1						
Bottom	2.3	1	27.5	8.3	14.9	10.0	137.8	3.2	2.7											
		2	27.5	8.3	14.9	10.0	137.4	3.2	3.6											
Surface	1.0	1	25.6	7.9	16.9	7.2	96.4	3.7	1.8	7.1	3.0	2.2								
		2	25.6	7.9	16.9	7.2	96.4	3.7	2.8											
Middle	3.9	1	25.4	7.9	15.6	7.1	94.3	2.7	2.3											
		2	25.4	7.9	15.6	7.1	94.3	2.7	3.3											
Bottom	6.8	1	25.5	8.0	15.9	7.1	95.1	2.8	0.9											
		2	25.5	8.0	15.9	7.1	95.2	2.8	1.9											
Mid-Flood	TCE-C2	Cloudy	Moderate	5:23	12.8	Surface	1.0	1	25.3	7.8	14.9	7.0	93.1	2.6	2.7	7.0	2.6	3.5		
								2	25.3	7.8	14.9	7.0	93.1	2.7	2.9					
						Middle	6.4	1	25.3	7.8	15.3	7.0	93.2	2.5	3.3					
								2	25.3	7.8	15.3	7.0	93.2	2.5	4.2					
						Bottom	11.8	1	25.2	7.9	14.1	7.1	93.0	2.7	3.3					
								2	25.2	7.9	14.1	7.1	93.1	2.7	4.3					
	TCE-WQM1	Cloudy	Moderate	6:33	9.9	Surface	1.0	1	25.4	7.9	16.8	7.1	94.7	3.5	5.7	7.1	3.4	3.7		
								2	25.4	7.9	16.8	7.1	94.7	3.6	5.2					
						Middle	5.0	1	25.3	7.9	15.9	7.1	94.3	3.3	3.0					
								2	25.3	7.9	15.9	7.1	94.3	3.3	2.1					
						Bottom	8.9	1	25.3	7.9	16.0	7.1	94.6	3.2	2.6					
								2	25.3	7.9	16.0	7.1	94.7	3.3	3.6					
TCE-WQM2a	Cloudy	Moderate	6:01	7.5	Surface	1.0	1	25.1	7.8	13.5	7.0	92.2	3.2	3.8	7.1	3.2	2.6			
							2	25.1	7.8	13.5	7.0	92.2	3.2	2.8						
					Middle	3.8	1	25.2	7.8	13.6	7.1	92.7	3.3	3.0						
							2	25.2	7.8	13.6	7.1	92.7	3.3	2.6						
					Bottom	6.5	1	25.0	7.8	12.6	7.2	93.0	3.3	1.3						
							2	25.0	7.8	12.6	7.2	93.2	3.3	2.1						
TCE-WQM2b	Cloudy	Moderate	5:51	11.1	Surface	1.0	1	25.4	7.7	10.2	6.9	89.5	4.5	7.4	6.9	4.2	5.3			
							2	25.4	7.7	10.2	6.9	89.7	4.5	6.2						
					Middle	5.6	1	25.4	7.8	10.6	6.9	89.8	4.0	5.0						
							2	25.4	7.8	10.6	7.0	89.9	4.0	4.4						
					Bottom	10.1	1	25.4	7.8	10.1	7.0	90.3	4.2	4.9						
							2	25.4	7.8	10.1	7.0	90.4	4.2	4.0						
TCE-WQM3A	Cloudy	Moderate	6:11	4.2	Surface	1.0	1	25.1	7.8	15.5	7.1	94.4	2.8	2.5	7.1	3.0	3.5			
							2	25.1	7.8	15.5	7.2	94.6	2.8	3.4						
					Bottom	3.2	1	25.0	7.8	13.2	7.3	95.2	3.2	3.7						
							2	25.0	7.8	13.2	7.3	95.3	3.2	4.5						
					Surface	1.0	1	25.3	7.9	16.1	7.1	94.2	3.1	3.2				7.1	3.0	2.7
							2	25.3	7.9	16.1	7.1	94.3	3.1	2.6						
Bottom	2.7	1	25.3	7.9	15.8	7.1	94.6	2.8	1.9											
		2	25.3	7.9	15.8	7.1	94.6	2.8	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)								
29-04-2019	Mid-Ebb	TCE-C1	Sunny	Calm	11:55	8.0	Surface	1.0	1	26.0	8.0	16.5	8.1	109.2	3.0	4.4	7.8	4.2	3.7								
									2	26.0	8.0	16.5	8.1	109.2	2.9	3.7											
							Middle	4.0	1	25.8	8.0	19.8	7.6	104.2	4.1	3.1											
									2	25.8	8.0	19.8	7.6	104.0	4.1	3.2											
							Bottom	7.0	1	26.1	8.1	20.8	7.3	101.5	5.4	3.8											
									2	26.1	8.1	20.8	7.3	101.5	5.5	3.9											
		TCE-C2	Sunny	Calm	9:47	15.4	Surface	1.0	1	26.3	8.0	18.9	10.2	141.1	2.9	5.3	9.6	3.3	5.5								
									2	26.3	8.0	18.9	10.2	141.1	2.9	5.8											
							Middle	7.7	1	25.9	8.2	20.1	9.0	124.0	2.9	4.7											
									2	25.9	8.2	20.1	9.0	123.9	2.9	5.2											
							Bottom	14.4	1	25.7	8.1	21.5	8.5	117.4	4.0	6.3											
									2	25.7	8.2	21.5	8.5	117.3	4.0	5.4											
	TCE-WQM1	Sunny	Calm	11:04	10.4	Surface	1.0	1	27.3	8.0	17.2	10.1	139.7	3.1	8.2	10.0	3.2	7.3									
								2	27.3	8.0	17.2	10.1	139.8	3.1	8.4												
						Middle	5.2	1	27.3	8.1	17.7	10.0	138.6	2.8	7.2												
								2	27.3	8.1	17.7	9.9	137.7	2.8	7.0												
						Bottom	9.4	1	27.0	8.1	20.2	8.5	118.7	3.6	6.7												
								2	27.0	8.1	20.2	8.5	118.6	3.6	6.2												
	TCE-WQM2a	Sunny	Calm	10:29	8.7	Surface	1.0	1	26.3	8.1	17.1	10.4	142.3	6.0	7.8	9.7	5.6	8.8									
								2	26.3	8.1	17.1	10.4	142.3	6.0	8.5												
						Middle	4.4	1	26.3	8.1	19.1	9.0	124.0	5.2	8.4												
								2	26.3	8.1	19.1	9.0	123.8	5.2	7.8												
						Bottom	7.7	1	25.9	8.2	20.1	9.0	123.5	5.7	10.2												
								2	25.9	8.2	20.1	9.0	123.4	5.7	10.1												
TCE-WQM2b	Sunny	Calm	10:17	11.6	Surface	1.0	1	26.2	8.2	17.1	9.5	129.1	3.4	6.5	9.1	3.8	5.9										
							2	26.2	8.2	17.2	9.5	128.8	3.4	6.0													
					Middle	5.8	1	26.1	8.2	17.7	8.7	118.8	3.5	6.6													
							2	26.1	8.2	17.7	8.7	118.7	3.5	6.2													
					Bottom	10.6	1	25.7	8.1	19.8	7.7	105.7	4.4	5.2													
							2	25.7	8.1	19.8	7.7	105.6	4.4	4.8													
TCE-WQM3A	Sunny	Calm	10:41	4.7	Surface	1.0	1	26.4	8.1	16.9	10.4	142.3	3.2	6.2	10.4	4.1	6.6										
							2	26.4	8.1	16.9	10.4	142.1	3.2	6.2													
					Bottom	3.7	1	26.4	8.1	17.8	9.5	130.3	5.1	7.3													
							2	26.4	8.1	17.8	9.5	129.9	5.1	6.7													
					TCE-WQM4	Sunny	Calm	10:50	3.7	Surface	1.0	1	26.3	8.2				18.4	9.5	130.4	5.3	8.6	9.5	6.4	8.7		
												2	26.3	8.2				18.4	9.5	130.1	5.2	8.4					
Bottom	2.7	1	26.4	8.0						19.8	8.6	119.0	7.5	9.0													
		2	26.4	8.0						19.8	8.6	118.9	7.6	8.7													
29-04-2019	Mid-Flood	TCE-C1	Sunny	Moderate						13:32	7.5	Surface	1.0	1	27.4	8.1	16.2	8.0	111.1	3.1	3.8	8.1				4.0	4.5
														2	27.4	8.1	16.2	8.0	111.1	3.1	3.6						
					Middle	3.8	1	27.7	8.1			17.6	8.1	113.8	4.3	3.8											
							2	27.7	8.1			17.6	8.1	113.7	4.2	4.6											
					Bottom	6.5	1	27.7	8.2			17.6	8.0	112.4	4.6	5.4											
							2	27.6	8.2			17.6	8.0	112.2	4.6	5.8											
		TCE-C2	Sunny	Moderate	15:42	13.6	Surface	1.0	1	25.9	8.0	18.3	8.3	112.7	2.6	3.9	8.2	2.6	4.7								
									2	25.9	8.0	18.3	8.2	112.5	2.6	3.5											
							Middle	6.8	1	25.9	8.0	18.8	8.1	111.3	3.0	4.9											
									2	25.9	8.0	18.8	8.1	111.1	3.0	4.9											
							Bottom	12.6	1	26.0	8.1	19.1	8.0	109.3	2.1	5.5											
									2	26.0	8.1	19.1	8.0	109.1	2.1	5.7											
	TCE-WQM1	Sunny	Moderate	14:22	9.4	Surface	1.0	1	26.5	8.0	18.6	8.2	113.2	3.9	6.9	8.2	4.4	5.7									
								2	26.5	8.0	18.6	8.2	113.2	3.9	6.3												
						Middle	4.7	1	26.5	8.1	18.9	8.2	112.7	4.7	4.5												
								2	26.5	8.1	18.9	8.1	112.7	4.7	3.9												
						Bottom	8.4	1	26.5	8.2	20.1	8.1	112.6	4.5	6.4												
								2	26.5	8.2	20.1	8.1	112.7	4.5	6.2												
	TCE-WQM2a	Sunny	Moderate	14:58	7.4	Surface	1.0	1	26.0	8.0	15.9	9.0	121.0	3.0	3.9	8.7	3.5	4.5									
								2	26.0	8.0	15.9	9.0	121.0	3.0	4.2												
						Middle	3.7	1	25.9	8.2	18.5	8.4	114.6	3.8	4.7												
								2	25.9	8.2	18.5	8.4	114.4	3.8	4.3												
						Bottom	6.4	1	25.9	8.2	18.5	8.3	113.8	3.8	5.2												
								2	25.9	8.2	18.5	8.3	113.2	3.9	4.8												
TCE-WQM2b	Sunny	Moderate	15:11	10.0	Surface	1.0	1	25.9	8.0	12.6	7.9	104.2	3.5	3.4	7.8	3.9	3.7										
							2	25.9	8.0	12.6	7.9	104.2	3.5	4.2													
					Middle	5.0	1	25.5	8.1	13.4	7.8	102.2	4.9	3.4													
							2	25.5	8.1	13.4	7.8	102.2	4.8	4.0													
					Bottom	9.0	1	25.5	8.2	15.0	7.7	102.6	3.4	3.7													
							2	25.5	8.2	15.0	7.7	102.6	3.4	3.2													
TCE-WQM3A	Sunny	Moderate	14:47	3.3	Surface	1.0	1	25.9	8.0	18.7	8.7	118.7	3.8	5.3	8.7	4.5	5.5										
							2	25.9	8.0	18.7	8.7	118.5	3.8	5.5													
					Bottom	2.3	1	26.0	8.1	19.1	8.4	115.1	5.2	5.9													
							2	26.0	8.1	19.1	8.4	115.1	5.2	5.4													
					TCE-WQM4	Sunny	Moderate	14:35	2.8	Middle	1.4	1	26.5	8.2				18.6	9.5	130.7	3.4	6.7	9.5	3.4	6.8		
												2	26.5	8.2				18.6	9.5	130.6	3.5	6.9					