

Annex G3

Monitoring Results for Water Quality

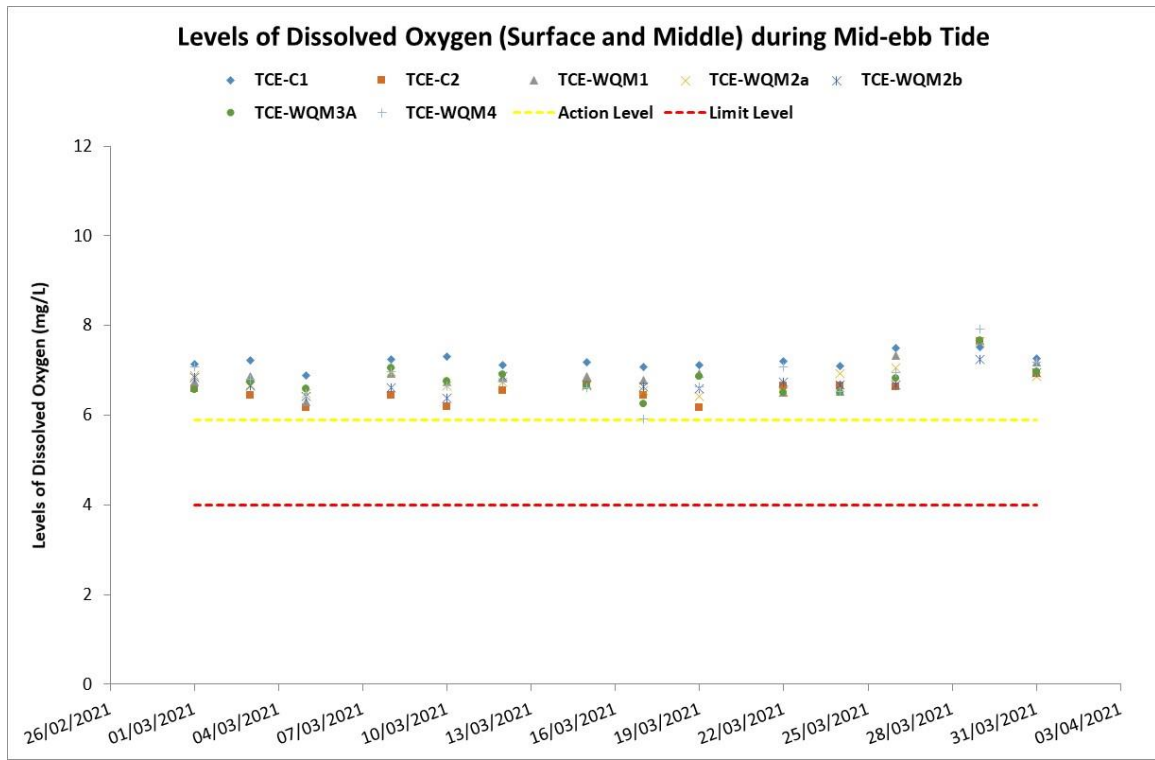


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 March 2021

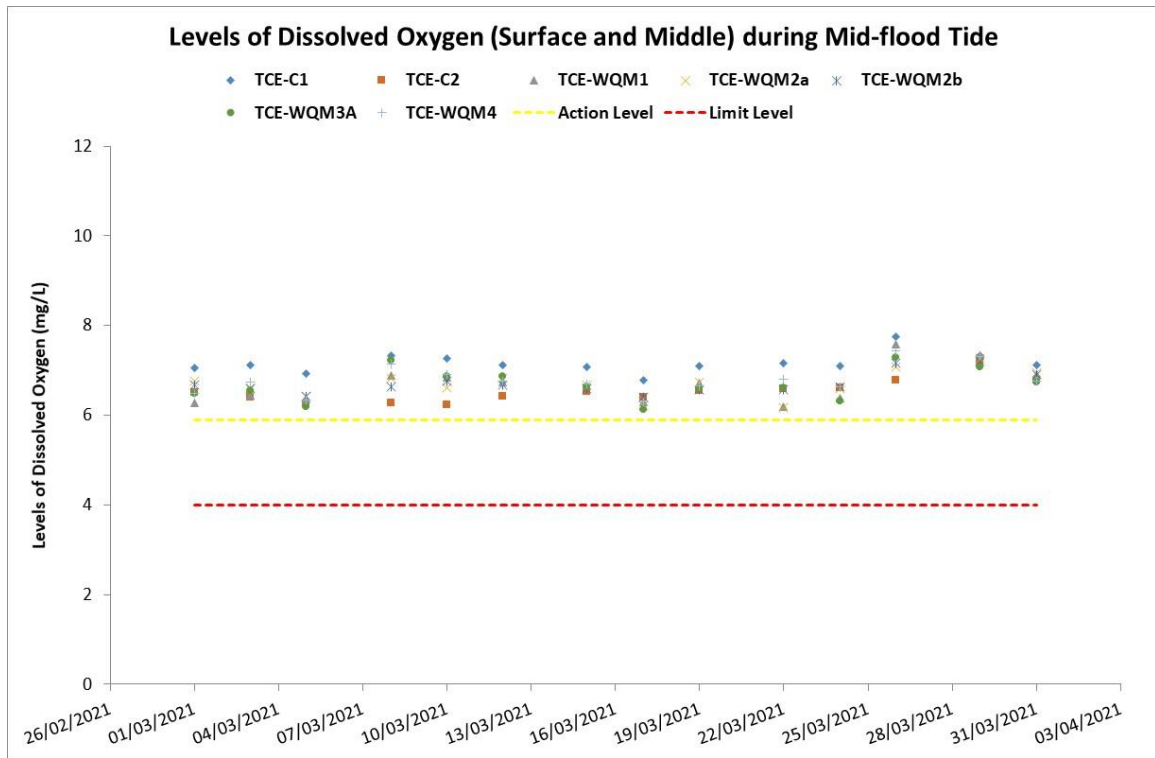


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 March 2021

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: March 2021

**Environmental
 Resources
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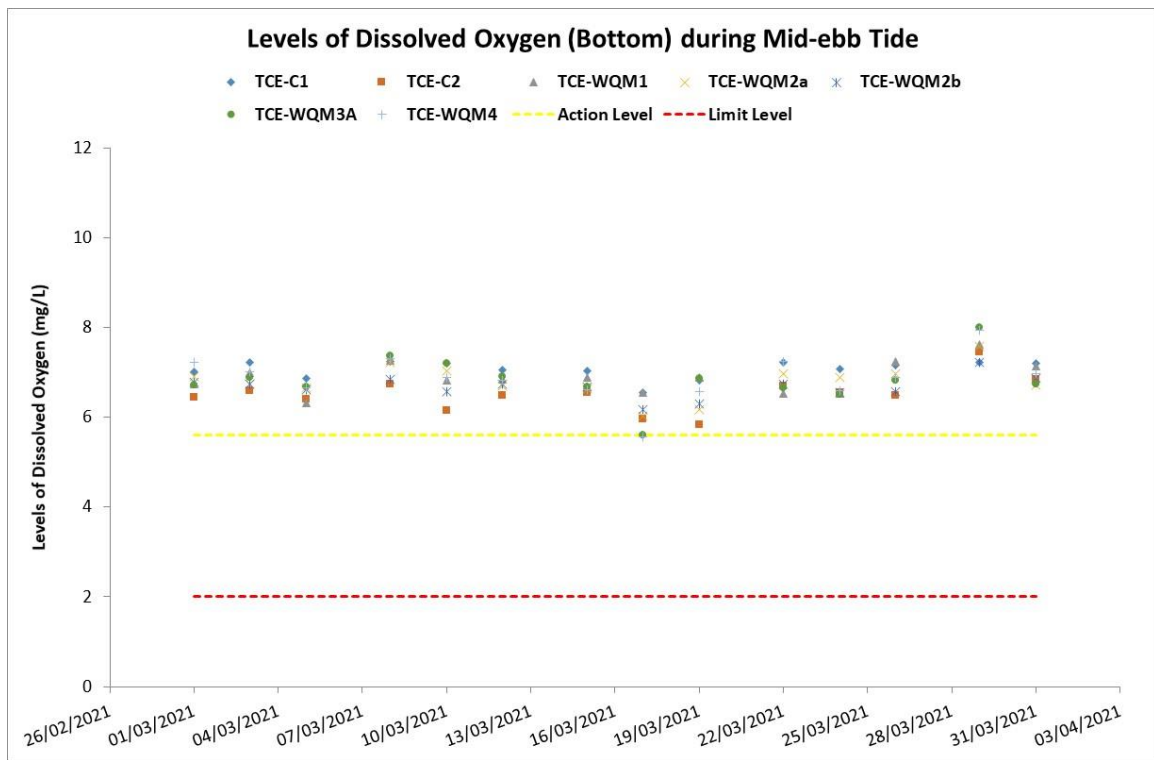


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 March 2021

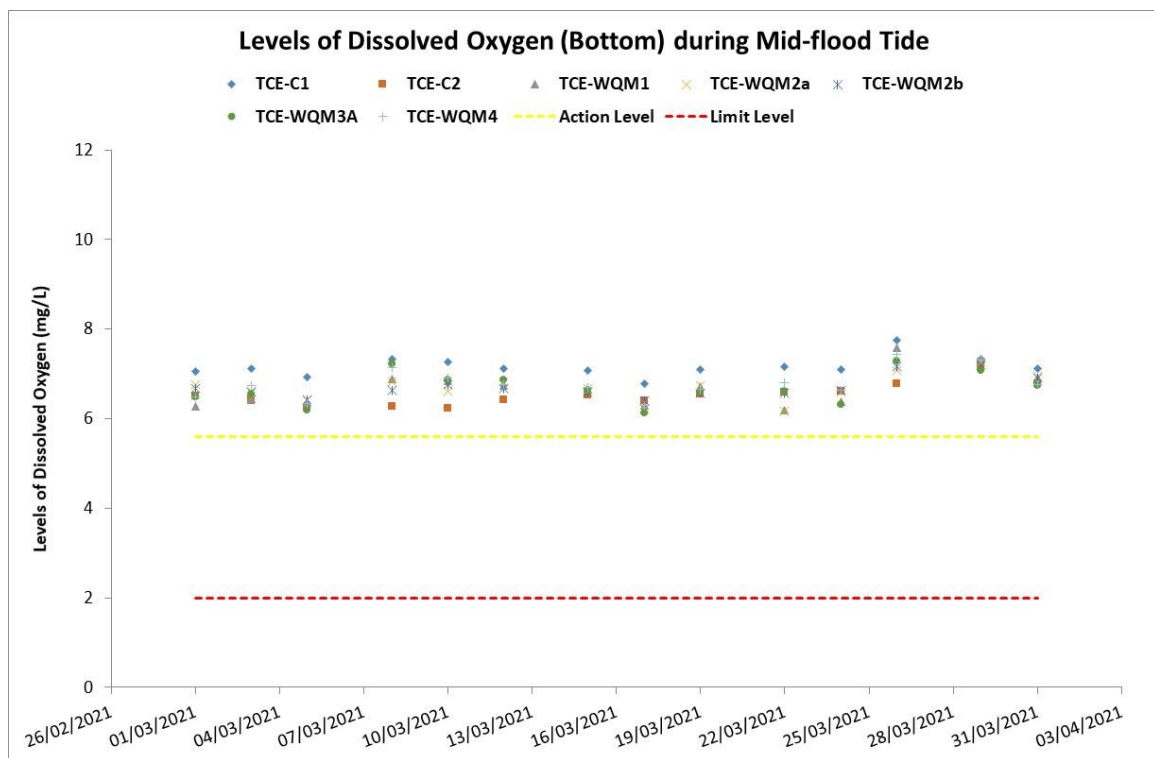


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 March 2021

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: March 2021

**Environmental
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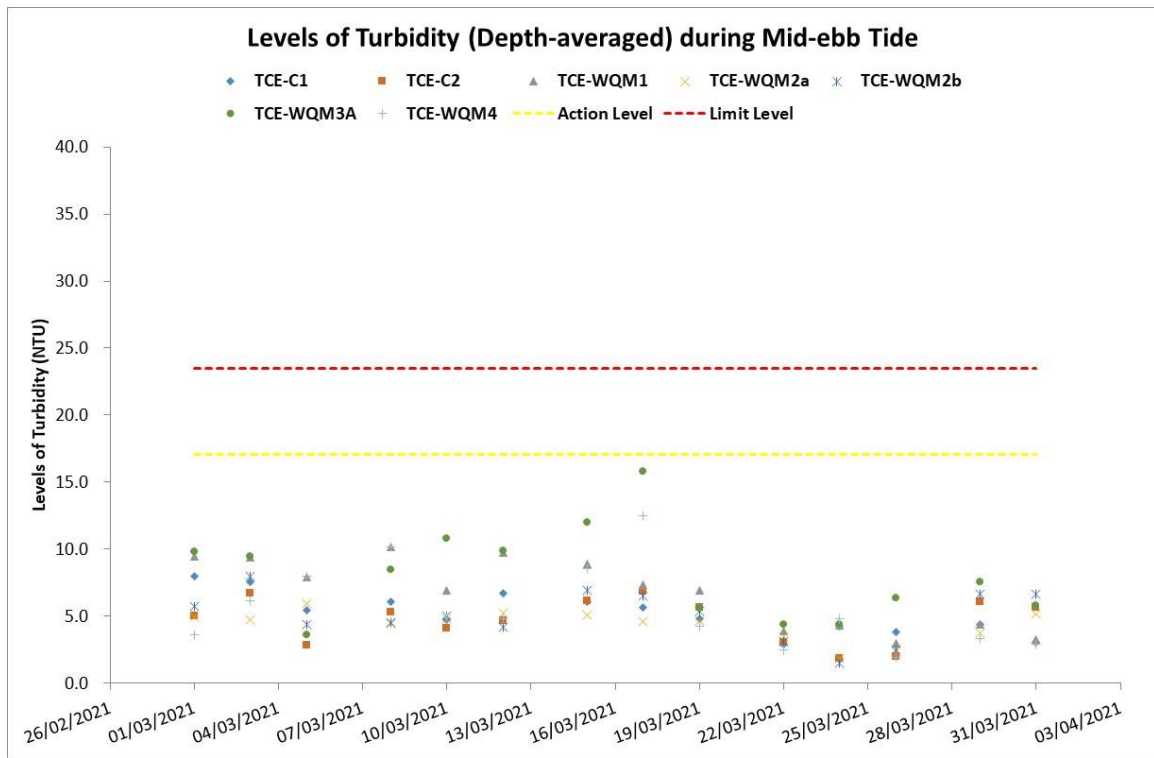


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 March 2021

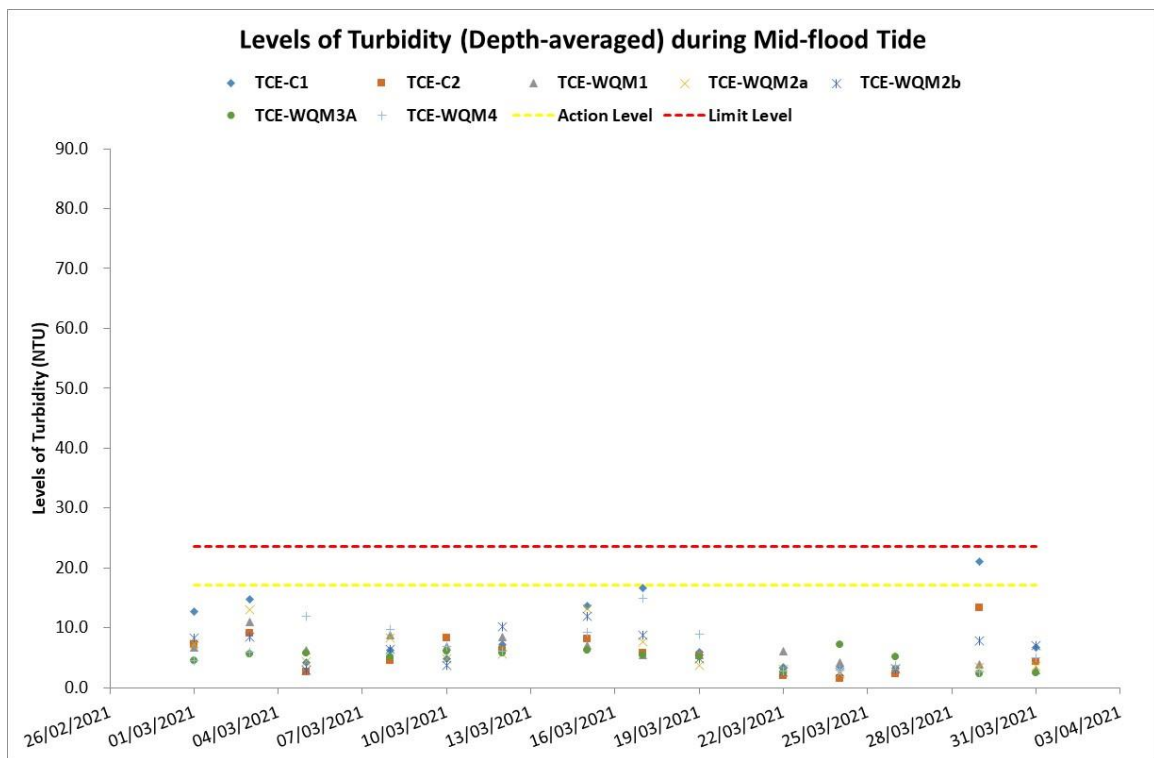


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 March 2021

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

Date: March 2021

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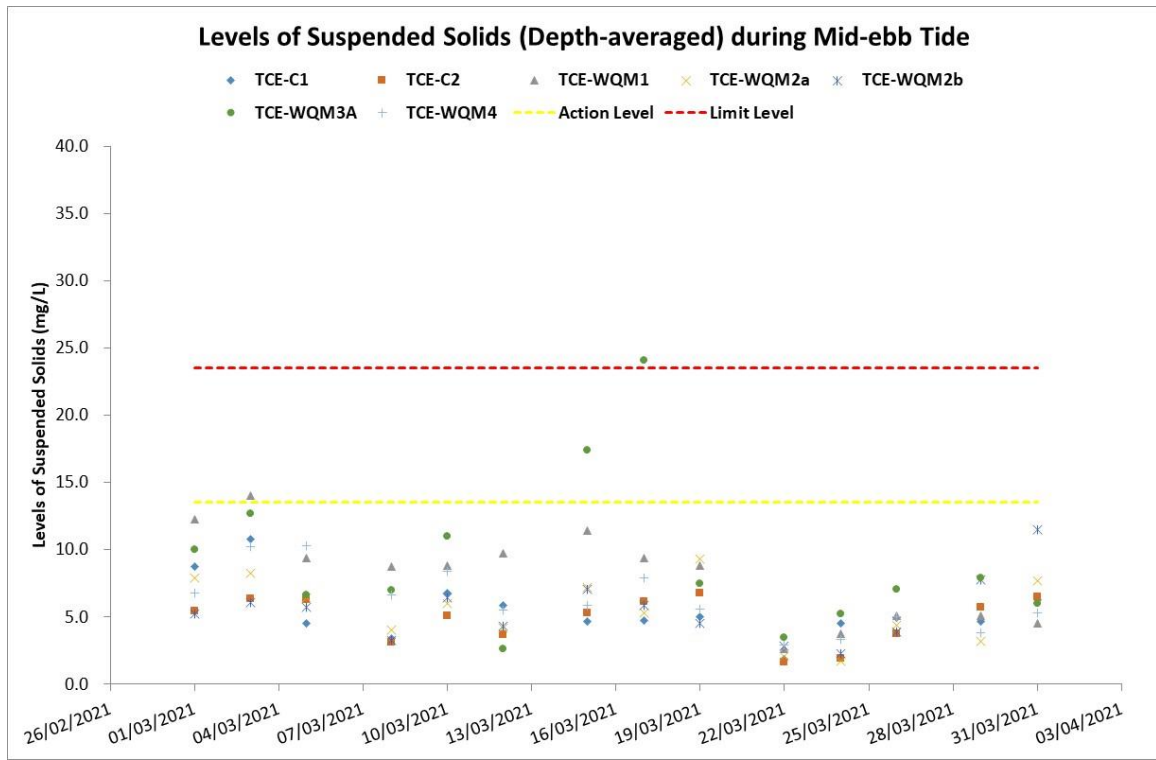


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 March 2021

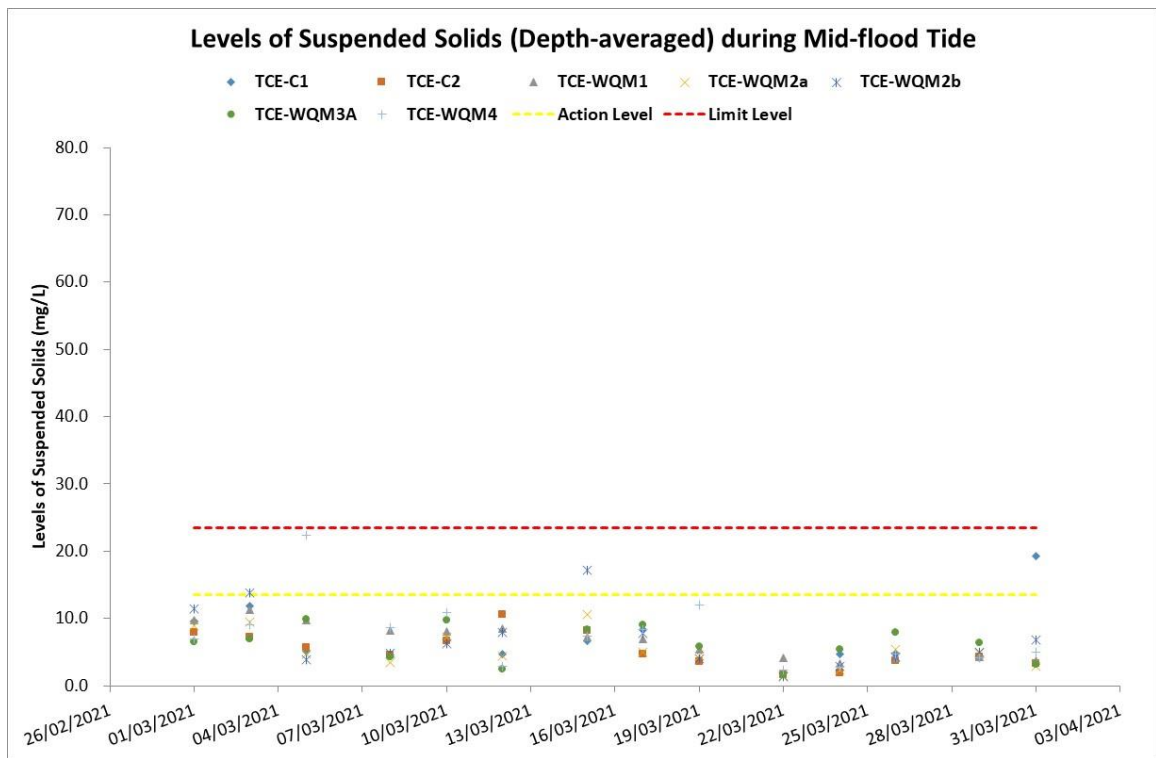


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 March 2021

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: March 2021

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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)								
01-03-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:48	8.1	Surface	1.0	1	20.6	8.1	31.3	7.3	97.1	5.0	9.6	7.1	8.0	8.8								
									2	20.6	8.1	31.3	7.3	97.1	5.0	9.4											
							Middle	4.1	1	20.3	8.1	32.8	7.0	94.3	8.9	8.8											
									2	20.2	8.1	32.8	7.0	94.3	9.0	8.9											
							Bottom	7.1	1	20.2	8.1	33.1	7.0	94.2	10.0	8.2											
									2	20.2	8.1	33.1	7.0	94.1	10.0	8.0											
		TCE-C2	Cloudy	Moderate	14:49	15.2	Surface	1.0	1	20.8	8.1	31.0	6.8	90.9	3.8	5.5	6.6	5.1	5.5								
									2	20.8	8.1	31.0	6.8	90.7	3.9	5.4											
							Middle	7.6	1	20.4	8.1	31.6	6.4	85.5	5.3	5.5											
									2	20.4	8.1	31.6	6.4	85.5	5.3	4.9											
							Bottom	14.2	1	20.4	8.1	31.8	6.5	86.2	6.0	5.7											
									2	20.4	8.1	31.8	6.5	86.1	6.1	5.8											
		TCE-WQM1	Cloudy	Calm	13:33	9.0	Surface	1.0	1	20.6	8.1	31.4	6.8	90.2	8.4	12.8	6.7	9.5	12.3								
									2	20.6	8.1	31.4	6.7	90.1	8.5	12.7											
							Middle	4.5	1	20.5	8.1	31.5	6.7	90.1	9.1	12.6											
									2	20.5	8.1	31.5	6.7	90.1	9.2	12.0											
							Bottom	8.0	1	20.5	8.1	31.5	6.7	90.1	10.7	11.6											
									2	20.5	8.1	31.5	6.7	90.1	10.8	12.1											
		TCE-WQM2a	Cloudy	Moderate	14:13	7.6	Surface	1.0	1	20.8	8.1	30.7	6.9	92.7	4.2	6.7	6.9	5.0	7.9								
									2	20.8	8.1	30.7	6.9	92.7	4.2	7.6											
							Middle	3.8	1	20.6	8.1	30.9	6.8	91.1	5.6	7.5											
									2	20.6	8.1	30.9	6.9	91.4	5.6	7.6											
							Bottom	6.6	1	20.5	8.1	31.0	6.9	91.9	5.0	8.8											
									2	20.5	8.1	31.0	6.9	92.1	5.1	9.2											
		TCE-WQM2b	Cloudy	Moderate	14:26	12.0	Surface	1.0	1	20.9	8.1	30.4	6.9	91.7	4.2	4.5	6.9	5.8	5.2								
									2	20.9	8.1	30.4	6.9	91.6	4.3	4.0											
							Middle	6.0	1	20.7	8.1	30.6	6.9	91.4	5.5	5.0											
									2	20.7	8.1	30.6	6.9	91.5	5.5	5.4											
							Bottom	11.0	1	20.7	8.1	30.7	6.8	90.5	7.5	6.0											
									2	20.7	8.1	30.7	6.8	90.5	7.5	6.7											
		TCE-WQM3A	Cloudy	Calm	13:55	4.2	Surface	1.0	1	20.6	8.1	30.7	6.6	87.5	9.0	9.6	6.6	9.8	10.0								
									2	20.6	8.1	30.7	6.6	87.6	9.1	9.2											
							Bottom	3.2	1	20.6	8.1	30.7	6.7	89.6	10.5	10.9											
									2	20.6	8.1	30.7	6.7	89.7	10.6	10.5											
							TCE-WQM4	Cloudy	Calm	13:46	3.5	Surface	1.0	1	20.9	8.1				30.5	7.1	94.8	3.7	7.7	7.1	3.7	6.8
													2	20.9	8.1	30.5				7.1	94.6	3.7	8.2				
		Bottom	2.5	1	20.8	8.1	30.6					7.2	96.6	3.6	5.9												
				2	20.8	8.1	30.6					7.2	96.5	3.6	5.5												
		TCE-WQM1	Cloudy	Calm	9:38	8.7	Surface					1.0	1	20.5	8.1	30.6	6.3	83.9	6.1	11.1	6.3	6.8	9.8				
												2	20.5	8.1	30.6	6.3	83.8	6.1	11.1								
		Middle					4.4	1	20.5	8.1	30.6	6.3	83.1	6.7	9.5												
								2	20.5	8.1	30.6	6.3	83.1	6.7	9.5												
		Bottom					7.7	1	20.5	8.1	30.6	6.2	82.5	7.4	8.8												
								2	20.5	8.1	30.6	6.2	82.4	7.5	8.8												
		TCE-WQM2a	Cloudy	Moderate	9:02	7.4	Surface	1.0	1	20.4	8.1	31.0	6.8	90.3	6.5	8.9	6.8	7.3	8.8								
									2	20.4	8.1	31.0	6.8	90.3	6.5	8.8											
							Middle	3.7	1	20.4	8.1	31.0	6.7	89.3	7.2	9.4											
									2	20.4	8.1	31.0	6.7	89.2	7.3	8.5											
Bottom	6.4						1	20.4	8.1	30.9	6.6	87.9	8.0	9.1													
							2	20.4	8.1	30.9	6.6	87.9	8.1	8.5													
TCE-WQM2b	Cloudy	Moderate	8:49	11.8	Surface	1.0	1	20.4	8.1	30.9	6.7	89.3	7.9	10.5	6.7	8.2	11.5										
							2	20.4	8.1	30.9	6.7	89.3	7.9	10.4													
					Middle	5.9	1	20.4	8.1	30.9	6.6	88.2	8.4	11.9													
							2	20.4	8.1	30.9	6.6	88.2	8.4	11.6													
					Bottom	10.8	1	20.4	8.1	30.9	6.5	86.6	8.4	12.0													
							2	20.4	8.1	30.9	6.5	86.6	8.4	12.6													
TCE-WQM3A	Cloudy	Calm	9:14	4.1	Surface	1.0	1	20.5	8.1	30.8	6.5	86.1	4.4	6.5	6.5	4.6	6.6										
							2	20.5	8.1	30.8	6.5	86.1	4.4	5.9													
					Bottom	3.1	1	20.4	8.0	30.8	6.3	83.4	4.7	6.7													
							2	20.4	8.0	30.8	6.3	83.2	4.7	7.2													
					TCE-WQM4	Cloudy	Calm	9:25	3.2	Surface	1.0	1	20.5	8.1				30.6	6.5	86.2	4.5	7.0	6.5	4.6	6.9		
											2	20.5	8.1	30.6				6.5	86.0	4.5	6.6						
Bottom	2.2	1	20.5	8.1	30.7					6.3	84.3	4.6	7.3														
		2	20.5	8.1	30.7					6.3	84.3	4.6	6.8														

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)					
05-03-21	Mid-Ebb	TCE-C1	Rainy	Rough	15:57	7.9	Surface	1.0	1	20.4	8.2	31.2	6.9	92.2	4.9	5.0	6.9	5.5	4.6					
									2	20.4	8.2	31.2	6.9	92.1	5.0	5.2								
							Middle	4.0	1	20.4	8.2	31.5	6.9	91.7	5.2	4.6								
									2	20.4	8.2	31.5	6.9	91.7	5.3	4.7								
				Bottom	6.9	1	20.4	8.2	31.5	6.9	91.6	6.2	3.4	6.9										
						2	20.4	8.2	31.5	6.9	91.6	6.2	4.4											
		TCE-C2	Rainy	Moderate	17:48	11.6	Surface	1.0	1	20.5	8.1	30.6	6.2				81.8	2.7	6.3	6.2	2.9	6.3		
									2	20.5	8.1	30.6	6.2				81.7	2.8	5.7					
							Middle	5.8	1	20.5	8.1	30.8	6.2	82.1	2.9	6.0								
									2	20.5	8.1	30.8	6.2	82.3	3.0	6.5								
				Bottom	10.6	1	20.5	8.1	30.9	6.4	84.7	2.9	6.4	6.4										
						2	20.5	8.1	30.9	6.4	85.7	3.0	6.7											
		TCE-WQM1	Rainy	Moderate	16:34	8.2	Surface	1.0	1	20.3	8.1	30.1	6.3				83.4	6.6	9.4	6.3	7.9	9.4		
									2	20.3	8.1	30.1	6.3				83.4	6.8	10.0					
							Middle	4.1	1	20.3	8.1	30.1	6.3	83.2	7.9	9.6								
									2	20.3	8.1	30.1	6.3	83.2	8.0	9.0								
				Bottom	7.2	1	20.3	8.2	30.2	6.3	83.4	9.0	8.8	6.3										
						2	20.3	8.2	30.1	6.3	83.5	9.0	9.6											
		TCE-WQM2a	Rainy	Calm	17:06	6.6	Surface	1.0	1	20.5	8.1	29.3	6.5				85.6	5.2	6.1	6.5	5.9	6.5		
									2	20.5	8.1	29.3	6.5				85.6	5.2	7.2					
							Middle	3.3	1	20.5	8.1	29.3	6.5	85.8	5.8	7.1								
									2	20.5	8.1	29.3	6.5	85.9	5.9	6.6								
				Bottom	5.6	1	20.5	8.1	29.4	6.6	87.4	6.7	5.2	6.7										
						2	20.5	8.1	29.4	6.7	88.2	6.8	6.5											
		TCE-WQM2b	Rainy	Moderate	17:20	10.0	Surface	1.0	1	20.5	8.1	29.3	6.4				85.0	3.3	5.1	6.4	4.4	5.7		
									2	20.5	8.1	29.4	6.4				84.9	3.5	5.6					
							Middle	5.0	1	20.5	8.1	29.7	6.4	84.9	4.7	6.2								
									2	20.5	8.1	29.7	6.4	85.1	4.8	5.7								
				Bottom	9.0	1	20.5	8.1	29.8	6.6	87.4	5.1	5.5	6.6										
						2	20.5	8.1	29.8	6.6	87.8	5.1	6.2											
		TCE-WQM3A	Rainy	Calm	16:55	4.0	Surface	1.0	1	20.6	8.1	29.3	6.6				87.0	3.0	5.2	6.6	3.6	6.6		
									2	20.6	8.1	29.3	6.6				87.0	3.2	5.8					
							Bottom	3.0	1	20.6	8.1	29.4	6.7	88.1	4.2	8.3								
									2	20.6	8.1	29.4	6.7	88.3	4.2	7.2								
		TCE-WQM4	Rainy	Calm	16:45	3.2	Surface	1.0	1	20.5	8.1	29.5	6.5	85.6	7.9	10.7	6.5	8.0	10.3					
									2	20.5	8.1	29.5	6.5	86.0	7.9	10.1								
							Bottom	2.2	1	20.5	8.1	29.5	6.6	87.8	8.1	10.3								
									2	20.5	8.1	29.5	6.7	88.3	8.0	10.0								
		05-03-21	Mid-Flood	TCE-C1	Cloudy	Moderate	11:48	7.6	Surface	1.0	1	20.4	8.2	31.2	7.0	92.8	2.8	6.0	6.9	4.2	5.2			
											2	20.4	8.2	31.2	7.0	92.7	2.8	5.2						
									Middle	3.8	1	20.4	8.2	31.4	6.9	91.9	4.0	5.2						
											2	20.4	8.2	31.4	6.9	91.8	4.0	4.6						
						Bottom	6.6	1	20.4	8.2	31.5	6.9	91.8	5.9	5.1	6.9								
								2	20.4	8.2	31.5	6.9	91.8	5.9	4.8									
				TCE-C2	Cloudy	Calm	9:38	11.4	Surface	1.0	1	20.5	8.1	29.6	6.3				83.5	2.4	5.0	6.3	2.6	5.7
											2	20.4	8.1	29.7	6.3				82.6	2.6	4.8			
									Middle	5.7	1	20.4	8.1	29.8	6.2	82.2	2.8	5.3						
											2	20.4	8.1	29.8	6.2	82.2	2.8	5.6						
				Bottom	10.4	1	20.4	8.1	30.0	6.2	82.5	2.6	6.5	6.2										
						2	20.4	8.1	29.9	6.3	82.7	2.5	6.8											
TCE-WQM1	Cloudy			Calm	10:50	8.0	Surface	1.0	1	20.3	8.1	29.7	6.4				83.8	6.3	9.7	6.4	6.2	9.7		
									2	20.3	8.1	29.7	6.4				83.9	6.3	10.3					
							Middle	4.0	1	20.3	8.1	30.3	6.4	84.3	6.3	9.8								
									2	20.3	8.1	30.3	6.4	84.3	6.2	9.9								
				Bottom	7.0	1	20.3	8.1	30.4	6.4	84.7	6.0	9.1	6.4										
						2	20.3	8.1	30.4	6.4	84.8	6.0	9.4											
TCE-WQM2a	Cloudy			Moderate	10:15	7.1	Surface	1.0	1	20.5	8.1	29.2	6.5				85.0	2.6	4.5	6.4	4.4	4.6		
									2	20.5	8.1	29.2	6.5				85.0	2.6	5.6					
							Middle	3.6	1	20.4	8.1	29.3	6.4	84.4	3.9	4.2								
									2	20.4	8.1	29.4	6.4	84.3	4.4	5.0								
				Bottom	6.1	1	20.4	8.1	29.6	6.4	84.6	6.4	4.0	6.4										
						2	20.4	8.1	29.6	6.4	84.7	6.4	4.5											
TCE-WQM2b	Cloudy			Calm	10:03	10.2	Surface	1.0	1	20.6	8.1	29.0	6.5				85.3	2.2	4.1	6.4	2.9	3.8		
									2	20.6	8.1	29.0	6.5				85.2	2.2	4.4					
							Middle	5.1	1	20.5	8.1	29.1	6.4	84.0	3.0	3.4								
									2	20.5	8.1	29.1	6.4	84.0	3.1	3.9								
				Bottom	9.2	1	20.5	8.1	29.2	6.4	83.9	3.5	3.3	6.4										
						2	20.5	8.1	29.2	6.4	84.0	3.5	3.8											
TCE-WQM3A	Cloudy			Calm	10:26	4.1	Surface	1.0	1	20.4	8.1	29.5	6.2				81.4	5.4	8.4	6.2	5.8	9.9		
									2	20.4	8.1	29.5	6.2				81.4	5.7	9.6					
							Bottom	3.1	1	20.4	8.1	29.5	6.3	82.4	6.0	10.7								
									2	20.4	8.1	29.5	6.3	82.6	6.1	10.9								
TCE-WQM4	Cloudy			Calm	10:37	3.4	Surface	1.0	1	20.4	8.1	29.6	6.3	83.5	10.1	22.6	6.3	11.9	22.4					
									2	20.4	8.1	29.6	6.3	83.6	10.1	24.8								
							Bottom	2.4	1	20.4	8.1	29.6	6.4	85.0	13.8	20.3								
									2	20.4	8.1	29.6	6.5	85.1	13.8	21.9								

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)					
08-03-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	20:07	8.5	Surface	1.0	1	17.9	8.0	34.3	7.3	94.0	4.9	3.7	7.2	6.1	3.4					
									2	17.9	8.0	34.3	7.3	93.9	5.0	4.1								
							Middle	4.3	1	17.8	8.0	34.9	7.2	93.7	6.5	3.5								
									2	17.8	8.0	34.9	7.2	93.7	6.5	3.1								
				Bottom	7.5	1	17.8	7.9	35.4	7.2	94.1	7.1	3.0	7.2										
						2	17.8	7.9	35.4	7.3	94.2	6.7	3.0											
		TCE-C2	Cloudy	Moderate	22:08	13.1	Surface	1.0	1	18.0	8.1	34.5	6.4				83.2	4.1	3.1	6.4	5.3	3.1		
									2	18.0	8.1	34.5	6.4				83.1	4.1	2.9					
							Middle	6.6	1	17.9	8.0	34.6	6.5	84.1	5.1	3.2								
									2	17.9	8.0	34.6	6.5	84.2	5.3	3.2								
				Bottom	12.1	1	17.9	8.0	34.7	6.7	87.5	6.7	3.2	6.7										
						2	17.9	8.0	34.7	6.8	87.6	6.6	3.2											
		TCE-WQM1	Cloudy	Moderate	20:50	8.3	Surface	1.0	1	18.2	8.1	33.3	6.8				87.6	8.6	9.2	6.9	10.2	8.8		
									2	18.2	8.1	33.3	6.8				87.7	8.7	8.9					
							Middle	4.2	1	18.2	8.1	33.5	7.1	91.4	10.2	8.7								
									2	18.2	8.1	33.5	7.1	91.4	10.3	8.6								
				Bottom	7.3	1	18.2	8.1	33.6	7.3	93.9	11.6	8.6	7.3										
						2	18.2	8.1	33.6	7.3	94.0	11.6	8.7											
		TCE-WQM2a	Cloudy	Moderate	21:25	7.1	Surface	1.0	1	18.1	8.0	33.0	6.9				89.3	4.2	4.8	7.0	4.5	4.1		
									2	18.1	8.0	33.0	6.9				89.3	4.2	4.7					
							Middle	3.6	1	18.1	8.0	33.1	7.0	90.6	4.5	4.2								
									2	18.1	8.0	33.1	7.0	90.8	4.5	4.5								
				Bottom	6.1	1	18.1	7.9	33.4	7.2	93.2	4.8	3.2	7.2										
						2	18.1	7.9	33.4	7.2	93.3	4.8	2.9											
		TCE-WQM2b	Cloudy	Moderate	21:38	11.2	Surface	1.0	1	18.1	8.1	33.4	6.6				85.6	4.8	3.8	6.6	4.5	3.3		
									2	18.1	8.1	33.4	6.6				85.5	4.8	4.0					
							Middle	5.6	1	18.0	8.0	33.9	6.6	85.5	4.6	3.2								
									2	18.0	8.0	33.9	6.6	85.5	4.6	3.1								
				Bottom	10.2	1	18.0	8.0	34.4	6.8	88.8	4.2	2.7	6.9										
						2	18.0	8.0	34.4	6.9	89.0	4.2	2.7											
		TCE-WQM3A	Cloudy	Calm	21:14	4.0	Surface	1.0	1	18.1	8.0	32.8	7.0				90.8	8.1	6.8	7.0	8.5	7.0		
									2	18.1	8.0	32.8	7.1				90.9	8.1	6.5					
							Bottom	3.0	1	18.1	8.0	32.8	7.4	94.8	9.0	7.2								
									2	18.1	8.0	32.8	7.4	94.9	8.8	7.4								
		TCE-WQM4	Cloudy	Calm	21:02	3.7	Surface	1.0	1	18.1	8.0	33.1	7.0	89.8	8.6	7.0	7.0	10.2	6.7					
									2	18.1	8.0	33.1	7.0	89.9	8.6	6.8								
							Bottom	2.7	1	18.1	8.0	33.1	7.3	94.1	11.7	6.3								
									2	18.1	8.0	33.1	7.3	94.2	11.9	6.6								
		08-03-21	Mid-Flood	TCE-C1	Cloudy	Moderate	10:23	8.3	Surface	1.0	1	17.9	7.9	34.3	7.4	95.2	4.8	4.8	7.3	6.3	4.5			
											2	17.9	7.9	34.3	7.4	95.2	4.8	4.6						
									Middle	4.2	1	17.8	7.9	34.9	7.3	94.8	6.3	4.6						
											2	17.8	7.9	34.9	7.3	94.9	6.4	4.4						
						Bottom	7.3	1	17.8	7.9	35.4	7.4	96.2	7.7	4.3	7.4								
								2	17.8	7.9	35.4	7.4	96.2	7.7	4.4									
				TCE-C2	Cloudy	Moderate	8:11	13.2	Surface	1.0	1	18.0	8.0	33.9	6.3				81.5	3.8	5.4	6.3	4.5	4.5
											2	18.0	8.0	33.9	6.3				81.4	3.9	5.2			
									Middle	6.6	1	17.9	7.9	34.6	6.2	81.0	5.0	4.1						
											2	17.9	7.9	34.6	6.2	81.0	5.0	4.3						
				Bottom	12.2	1	18.0	7.9	34.6	6.2	80.9	4.5	4.0	6.2										
						2	18.0	7.9	34.6	6.2	81.0	4.5	4.0											
TCE-WQM1	Cloudy			Moderate	9:39	8.2	Surface	1.0	1	18.3	7.9	33.2	6.7				87.1	8.5	8.8	6.9	8.7	8.2		
									2	18.3	7.9	33.2	6.7				87.2	8.7	8.3					
							Middle	4.1	1	18.3	7.8	33.2	7.0	90.7	9.2	8.0								
									2	18.3	7.8	33.2	7.0	90.9	9.2	8.1								
				Bottom	7.2	1	18.3	7.8	33.2	7.4	95.7	8.3	7.9	7.4										
						2	18.3	7.8	33.2	7.4	95.9	8.3	7.8											
TCE-WQM2a	Cloudy			Moderate	8:54	7.0	Surface	1.0	1	18.1	7.9	32.9	6.7				86.9	5.5	3.7	6.8	8.3	3.4		
									2	18.1	7.9	32.9	6.7				86.9	5.5	4.0					
							Middle	3.5	1	18.2	7.9	33.1	6.9	89.1	7.3	3.5								
									2	18.2	7.9	33.1	6.9	89.6	7.7	3.4								
				Bottom	6.0	1	18.1	7.8	33.4	7.3	94.2	11.7	3.0	7.3										
						2	18.1	7.8	33.4	7.4	95.6	11.9	3.0											
TCE-WQM2b	Cloudy			Moderate	8:41	10.9	Surface	1.0	1	18.1	8.0	33.2	6.6				85.0	5.5	5.7	6.6	6.4	4.9		
									2	18.1	8.0	33.2	6.6				84.8	5.4	5.2					
							Middle	5.5	1	18.1	7.9	33.7	6.7	86.6	6.3	4.9								
									2	18.1	7.9	33.7	6.7	86.8	6.3	4.8								
				Bottom	9.9	1	18.0	7.9	34.3	6.9	89.5	7.5	4.2	6.9										
						2	18.0	7.9	34.3	6.9	89.7	7.5	4.4											
TCE-WQM3A	Cloudy			Moderate	9:15	4.2	Surface	1.0	1	18.1	7.9	32.8	7.2				92.9	4.9	4.2	7.2	5.1	4.2		
									2	18.1	7.9	32.8	7.2				92.9	4.9	4.5					
							Bottom	3.2	1	18.1	7.8	32.8	7.4	95.5	5.3	4.1								
									2	18.1	7.8	32.8	7.4	95.7	5.4	4.1								
TCE-WQM4	Cloudy			Moderate	9:26	3.6	Surface	1.0	1	18.1	8.0	33.0	7.1	92.0	9.4	9.5	7.1	9.7	8.6					
									2	18.1	8.0	33.0	7.2	92.1	9.5	9.4								
							Bottom	2.6	1	18.1	8.0	33.1	7.6	98.4	10.0	7.6								
									2	18.1	8.0	33.1	7.7	98.7	9.9	8.0								

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)					
10-03-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:01	8.4	Surface	1.0	1	20.9	8.1	31.7	7.4	99.5	4.2	6.1	7.3	4.7	6.8					
									2	20.9	8.1	31.7	7.4	99.5	4.2	5.9								
							Middle	4.2	1	20.7	8.1	31.9	7.3	97.5	4.6	6.8								
									2	20.7	8.1	31.9	7.3	97.5	4.6	6.5								
				Bottom	7.4	1	20.5	8.1	32.6	7.2	96.7	5.4	7.4	7.2										
						2	20.5	8.1	32.6	7.2	96.7	5.4	8.0											
		TCE-C2	Cloudy	Moderate	10:50	13.8	Surface	1.0	1	20.5	8.0	32.8	6.2				83.5	3.6	6.5	6.2	4.1	5.1		
								2	20.5	8.0	32.8	6.2	83.5				3.6	5.8						
		Middle					6.9	1	20.5	8.0	32.8	6.2	83.3	3.5	4.3									
								2	20.5	8.0	32.8	6.2	83.3	3.5	5.4									
				Bottom	12.8	1	20.5	7.9	32.9	6.1	82.7	5.3	4.0	6.1										
						2	20.5	7.9	32.9	6.1	82.7	5.3	4.6											
		TCE-WQM1	Cloudy	Moderate	12:13	8.8	Surface	1.0	1	20.9	8.0	32.2	6.7				90.4	6.4	8.2	6.7	6.9	8.8		
								2	20.9	8.0	32.2	6.7	90.4				6.4	8.6						
		Middle					4.4	1	20.8	8.0	32.2	6.8	91.5	6.9	9.4									
								2	20.8	8.0	32.2	6.8	91.5	6.9	8.6									
				Bottom	7.8	1	20.8	8.0	32.2	6.8	92.1	7.5	8.5	6.8										
						2	20.8	8.0	32.2	6.8	92.2	7.3	9.5											
		TCE-WQM2a	Cloudy	Moderate	11:33	7.0	Surface	1.0	1	20.7	8.0	31.6	6.7				89.2	4.5	5.2	6.6	4.8	6.0		
								2	20.7	8.0	31.6	6.7	89.2				4.5	5.9						
		Middle					3.5	1	20.7	8.0	31.7	6.6	89.1	4.5	5.8									
								2	20.7	8.0	31.7	6.6	89.1	4.5	6.2									
				Bottom	6.0	1	20.6	8.0	32.0	7.0	94.5	5.5	6.2	7.0										
						2	20.6	8.0	32.0	7.0	94.5	5.5	6.8											
		TCE-WQM2b	Cloudy	Moderate	11:18	10.8	Surface	1.0	1	20.6	8.0	31.9	6.5				87.1	4.5	5.6	6.4	5.0	6.4		
								2	20.6	8.0	31.9	6.5	87.0				4.5	5.3						
		Middle					5.4	1	20.6	8.0	32.6	6.3	84.5	4.9	5.2									
								2	20.6	8.0	32.6	6.3	84.5	4.9	6.1									
				Bottom	9.8	1	20.5	8.0	32.8	6.6	88.2	5.7	8.4	6.6										
						2	20.5	8.0	32.8	6.6	88.4	5.7	7.8											
		TCE-WQM3A	Cloudy	Moderate	11:48	4.0	Surface	1.0	1	20.9	8.0	31.6	6.8				91.1	7.5	11.6	6.8	10.8	11.0		
								2	20.9	8.0	31.6	6.8	91.1				7.5	10.8						
		Bottom					3.0	1	20.8	8.0	31.6	7.2	96.7	14.1	10.2									
								2	20.8	8.0	31.6	7.2	96.7	14.1	11.3									
		TCE-WQM4	Cloudy	Moderate	11:59	3.7	Surface	1.0	1	20.8	8.0	32.0	6.7	89.7	4.4	8.3	6.7	4.9	8.4					
								2	20.8	8.0	32.0	6.7	89.7	4.4	7.2									
		Bottom					2.7	1	20.8	8.0	32.0	6.9	92.9	5.4	8.9									
								2	20.8	8.0	32.0	6.9	92.9	5.4	9.1									
		10-03-21	Mid-Flood	TCE-C1	Cloudy	Moderate	15:02	8.4	Surface	1.0	1	21.0	8.1	32.1	7.3	99.0	4.5	4.9	7.3	4.8	6.8			
											2	21.0	8.1	32.1	7.3	99.0	4.5	4.9						
									Middle	4.2	1	20.9	8.1	32.2	7.2	97.8	4.8	7.4						
											2	20.9	8.1	32.2	7.2	97.8	4.8	7.8						
						Bottom	7.4	1	20.5	8.1	32.7	7.1	95.9	5.2	8.3	7.1								
								2	20.5	8.1	32.7	7.1	95.9	5.2	7.4									
				TCE-C2	Cloudy	Moderate	17:31	12.9	Surface	1.0	1	20.5	8.0	32.9	6.3				84.6	5.9	6.7	6.2	8.3	6.7
										2	20.5	8.0	32.9	6.3	84.6				5.9	7.5				
				Middle					6.5	1	20.5	8.0	33.0	6.2	83.5	8.4	6.2							
										2	20.5	8.0	33.0	6.2	83.5	8.4	6.7							
				Bottom	11.9	1	20.5	8.0	33.0	6.3	84.4	10.7	6.4	6.3										
						2	20.5	8.0	33.0	6.3	84.4	10.7	6.8											
TCE-WQM1	Cloudy			Moderate	16:01	8.8	Surface	1.0	1	21.1	8.0	31.9	6.9				93.3	6.1	7.4	6.9	6.9	8.1		
								2	21.1	8.0	31.9	6.9	93.3				6.1	8.3						
Middle							4.4	1	21.1	8.0	32.0	6.8	92.3	7.6	7.1									
								2	21.1	8.0	32.0	6.8	92.3	7.6	8.5									
				Bottom	7.8	1	21.0	8.0	32.1	6.9	93.1	7.1	8.1	6.9										
						2	21.0	8.0	32.1	6.9	93.1	7.1	9.0											
TCE-WQM2a	Cloudy			Moderate	16:41	7.3	Surface	1.0	1	20.7	8.0	31.9	6.6				88.9	4.4	7.6	6.6	4.8	7.2		
								2	20.7	8.0	31.9	6.6	88.9				4.4	8.3						
Middle							3.7	1	20.7	8.0	31.9	6.6	89.1	4.7	7.7									
								2	20.7	8.0	31.9	6.6	89.1	4.7	7.0									
				Bottom	6.3	1	20.7	8.0	31.9	6.7	90.6	5.4	6.0	6.7										
						2	20.7	8.0	31.9	6.7	90.6	5.4	6.6											
TCE-WQM2b	Cloudy			Moderate	16:55	11.2	Surface	1.0	1	20.8	8.0	31.8	6.8				91.7	3.3	5.1	6.8	3.7	6.2		
								2	20.8	8.0	31.8	6.8	91.7				3.3	5.9						
Middle							5.6	1	20.8	8.0	31.9	6.7	90.4	3.6	6.0									
								2	20.8	8.0	31.9	6.7	90.4	3.6	6.7									
				Bottom	10.2	1	20.8	8.0	32.2	6.7	90.8	4.1	6.3	6.7										
						2	20.8	8.0	32.2	6.7	90.8	4.1	7.1											
TCE-WQM3A	Cloudy			Moderate	16:29	4.7	Surface	1.0	1	20.9	8.0	31.7	6.9				92.5	5.8	9.4	6.9	6.0	9.7		
								2	20.9	8.0	31.7	6.9	92.5				5.8	10.2						
Bottom							3.7	1	20.9	8.0	31.7	7.0	94.7	6.2	10.0									
								2	20.9	8.0	31.7	7.0	94.7	6.2	9.3									
TCE-WQM4	Cloudy			Moderate	16:17	3.6	Surface	1.0	1	20.8	8.0	31.7	6.9	92.9	6.6	9.1	6.9	6.9	10.9					
								2	20.8	8.0	31.7	6.9	92.9	6.6	8.6									
Bottom							2.6	1	20.8	8.0	31.7	6.9	93.5	7.2	12.4									
								2	20.8	8.0	31.7	6.9	93.5	7.2	13.4									

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)					
12-03-21	Mid-Ebb	TCE-C1	Fine	Moderate	11:19	7.9	Surface	1.0	1	21.4	8.0	29.9	7.2	96.5	6.1	5.2	7.1	6.7	5.9					
									2	21.3	8.0	29.9	7.2	96.3	6.1	4.8								
							Middle	4.0	1	21.0	8.0	31.5	7.1	95.2	6.7	6.2								
									2	21.0	8.0	31.5	7.1	95.3	6.7	5.9								
				Bottom	6.9	1	20.8	8.0	32.2	7.1	95.1	7.3	6.8	7.1										
						2	20.8	8.0	32.1	7.1	95.1	7.4	6.5											
		TCE-C2	Fine	Calm	13:09	12.8	Surface	1.0	1	21.5	8.0	31.5	6.6				90.3	4.3	4.4	6.6	4.7	3.7		
									2	21.4	8.0	31.6	6.6				90.2	4.3	4.4					
							Middle	6.4	1	20.9	8.0	32.0	6.5	87.5	5.1	3.4								
									2	20.9	8.0	32.1	6.5	87.1	5.0	3.6								
				Bottom	11.8	1	20.7	8.0	32.6	6.5	87.3	4.6	3.0	6.5										
						2	20.7	8.0	32.6	6.5	87.4	4.6	3.4											
		TCE-WQM1	Fine	Calm	11:57	8.0	Surface	1.0	1	21.2	8.0	31.8	6.8				92.7	8.6	10.2	6.8	9.8	9.7		
									2	21.2	8.0	31.8	6.8				92.8	8.8	10.0					
							Middle	4.0	1	21.2	8.0	31.8	6.8	92.3	10.0	10.3								
									2	21.2	8.0	31.8	6.8	92.4	10.1	9.5								
				Bottom	7.0	1	21.2	8.0	31.9	6.8	92.5	10.6	9.4	6.8										
						2	21.2	8.0	31.9	6.8	92.8	10.5	9.0											
		TCE-WQM2a	Fine	Calm	12:35	7.1	Surface	1.0	1	21.5	8.0	31.2	6.8				91.7	4.6	4.8	6.7	5.3	4.2		
									2	21.5	8.0	31.2	6.8				91.7	4.6	4.4					
							Middle	3.6	1	21.0	8.0	31.4	6.7	90.2	5.4	4.0								
									2	21.0	8.0	31.4	6.7	90.1	5.4	4.2								
				Bottom	6.1	1	20.9	8.0	31.6	6.7	90.3	5.8	4.0	6.7										
						2	20.9	8.0	31.6	6.7	90.2	5.8	3.8											
		TCE-WQM2b	Fine	Moderate	12:47	10.0	Surface	1.0	1	21.8	7.9	28.9	6.9				93.5	4.1	3.8	6.9	4.2	4.3		
									2	21.8	7.9	28.9	6.9				93.4	4.1	4.1					
							Middle	5.0	1	21.7	8.0	30.2	6.8	92.1	4.2	4.4								
									2	21.7	8.0	30.3	6.8	92.1	4.1	4.4								
				Bottom	9.0	1	21.0	8.0	31.5	6.7	91.0	4.4	4.7	6.7										
						2	21.0	8.0	31.5	6.7	91.0	4.4	4.6											
		TCE-WQM3A	Fine	Calm	12:25	3.3	Surface	1.0	1	21.8	8.0	31.0	6.9				94.3	9.2	2.7	6.9	9.9	2.6		
									2	21.8	8.0	31.0	6.9				94.2	9.3	2.8					
							Bottom	2.3	1	21.3	8.0	31.2	6.9	93.4	10.8	2.6								
									2	21.4	8.0	31.2	6.9	93.7	10.3	2.4								
		TCE-WQM4	Fine	Calm	12:16	3.2	Surface	1.0	1	21.4	8.0	31.7	6.8	91.7	4.7	4.8	6.7	4.8	5.5					
									2	21.3	8.0	31.7	6.7	91.5	4.9	4.8								
							Bottom	2.2	1	21.3	8.0	31.8	6.8	92.6	4.9	6.4								
									2	21.3	8.0	31.7	6.9	93.0	4.7	6.0								
		12-03-21	Mid-Flood	TCE-C1	Fine	Moderate	8:34	7.6	Surface	1.0	1	21.4	8.0	29.7	7.2	96.7	6.1	4.4	7.1	7.3	4.7			
											2	21.4	8.0	29.7	7.2	96.7	6.2	4.5						
									Middle	3.8	1	20.8	8.0	31.5	7.1	95.0	7.1	4.6						
											2	20.8	8.0	31.6	7.1	95.0	7.2	4.7						
						Bottom	6.6	1	20.7	8.0	32.2	7.0	94.5	8.4	5.2	7.0								
								2	20.7	8.0	32.1	7.0	94.8	8.5	4.8									
				TCE-C2	Fine	Calm	6:16	11.8	Surface	1.0	1	20.8	7.9	32.1	6.4				86.8	6.2	10.9	6.4	6.2	10.6
											2	20.8	7.9	32.1	6.4				86.6	6.1	11.1			
									Middle	5.9	1	20.7	7.9	32.3	6.4	86.3	5.8	11.1						
											2	20.7	7.9	32.3	6.4	86.4	5.9	10.8						
				Bottom	10.8	1	20.7	7.9	32.4	6.4	86.6	6.5	9.7	6.4										
						2	20.7	7.9	32.4	6.4	86.7	6.8	10.2											
TCE-WQM1	Fine			Calm	7:24	8.3	Surface	1.0	1	21.1	8.0	32.0	6.7				91.0	8.1	9.5	6.7	8.5	8.5		
									2	21.1	8.0	32.0	6.7				91.0	8.1	9.8					
							Middle	4.2	1	21.1	8.0	32.0	6.8	91.5	8.4	8.1								
									2	21.1	8.0	32.0	6.7	91.2	8.5	7.8								
				Bottom	7.3	1	21.1	8.0	32.0	6.8	91.7	9.0	7.7	6.8										
						2	21.1	8.0	32.0	6.8	91.4	8.8	7.8											
TCE-WQM2a	Fine			Moderate	6:53	6.6	Surface	1.0	1	21.1	7.9	31.0	6.8				91.8	5.5	4.9	6.8	5.6	4.5		
									2	21.1	7.9	31.0	6.8				91.8	5.5	5.2					
							Middle	3.3	1	21.1	7.9	31.1	6.8	91.9	5.6	4.5								
									2	21.1	7.9	31.1	6.8	91.9	5.7	4.4								
				Bottom	5.6	1	21.1	7.9	31.1	6.8	92.2	5.5	4.2	6.9										
						2	21.1	7.9	31.1	6.9	92.4	5.6	3.7											
TCE-WQM2b	Fine			Moderate	6:40	11.2	Surface	1.0	1	21.0	7.9	31.3	6.7				90.2	9.0	6.8	6.7	10.2	8.0		
									2	21.0	7.9	31.3	6.7				90.1	9.2	7.0					
							Middle	5.6	1	20.9	7.9	31.4	6.7	89.6	10.4	8.1								
									2	20.9	7.9	31.4	6.7	89.6	10.5	8.3								
				Bottom	10.2	1	20.9	7.9	31.5	6.6	89.4	11.2	8.7	6.6										
						2	20.9	7.9	31.5	6.7	89.6	10.9	9.0											
TCE-WQM3A	Fine			Calm	7:03	3.8	Surface	1.0	1	21.1	7.9	30.9	6.9				92.4	5.0	2.0	6.9	5.8	2.4		
									2	21.1	7.9	30.9	6.9				92.6	5.1	2.4					
							Bottom	2.8	1	21.0	7.9	31.1	6.9	93.1	6.4	2.5								
									2	21.0	8.0	31.2	6.9	93.4	6.5	2.8								
TCE-WQM4	Fine			Calm	7:12	3.2	Surface	1.0	1	20.9	8.0	31.6	6.7	90.9	5.9	3.0	6.8	6.1	2.9					
									2	21.0	8.0	31.6	6.8	91.3	5.9	3.0								
							Bottom	2.2	1	21.0	8.0	31.7	6.9	92.8	6.2	3.0								
									2	21.0	8.0	31.7	6.9	93.0	6.4	2.6								

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged							
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)					
15-03-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:41	8.1	Surface	1.0	1	21.6	8.0	31.5	7.2	98.7	4.3	5.0	7.2	6.1	4.7					
									2	21.6	8.0	31.5	7.3	98.8	4.3	5.3								
							Middle	4.1	1	21.2	8.0	32.4	7.1	96.8	5.7	5.0								
									2	21.2	8.0	32.4	7.1	97.1	5.8	4.7								
				Bottom	7.1	1	21.1	8.1	33.4	7.0	96.2	8.3	4.2	7.0										
						2	21.1	8.1	33.4	7.0	96.2	8.2	3.9											
		TCE-C2	Cloudy	Moderate	14:37	12.7	Surface	1.0	1	22.7	8.0	30.6	6.8				93.6	4.0	7.1	6.7	6.1	5.3		
									2	22.6	8.0	30.6	6.7				93.2	4.1	7.0					
							Middle	6.4	1	22.0	8.0	30.8	6.6	90.0	5.7	4.5								
									2	22.0	8.0	30.8	6.6	90.0	5.7	4.6								
				Bottom	11.7	1	21.5	8.0	31.4	6.5	88.6	8.7	4.1	6.5										
						2	21.5	8.0	31.3	6.6	89.3	8.6	4.4											
		TCE-WQM1	Cloudy	Calm	13:18	8.2	Surface	1.0	1	21.9	8.0	31.4	6.9				94.2	7.9	12.4	6.9	8.9	11.4		
									2	21.9	8.0	31.4	6.9				94.0	8.2	11.9					
							Middle	4.1	1	21.8	8.0	31.5	6.9	94.1	8.9	11.7								
									2	21.8	8.0	31.5	6.9	94.0	9.2	11.2								
				Bottom	7.2	1	21.7	8.0	31.5	6.9	94.0	9.7	10.8	6.9										
						2	21.7	8.0	31.5	6.9	94.0	9.6	10.4											
		TCE-WQM2a	Cloudy	Moderate	14:01	7.7	Surface	1.0	1	22.0	8.0	30.5	6.7				91.0	5.0	6.2	6.7	5.1	7.2		
									2	22.0	8.0	30.5	6.7				91.0	5.0	5.8					
							Middle	3.9	1	21.8	8.0	30.6	6.7	90.4	5.5	7.5								
									2	21.8	8.0	30.6	6.6	90.4	5.3	7.3								
				Bottom	6.7	1	21.8	8.0	30.7	6.6	90.3	4.9	8.0	6.6										
						2	21.8	8.0	30.7	6.6	90.3	4.9	8.5											
		TCE-WQM2b	Cloudy	Moderate	14:13	10.6	Surface	1.0	1	21.9	8.0	29.8	6.7				90.4	5.6	6.1	6.7	6.9	7.1		
									2	21.9	8.0	29.8	6.7				90.4	5.6	6.2					
							Middle	5.3	1	21.8	8.0	30.0	6.7	90.6	6.8	6.9								
									2	21.8	8.0	30.0	6.7	90.5	6.8	7.2								
				Bottom	9.6	1	21.8	8.0	30.1	6.7	90.4	8.5	8.2	6.7										
						2	21.8	8.0	30.1	6.7	90.5	8.2	7.9											
		TCE-WQM3A	Cloudy	Calm	13:46	4.0	Surface	1.0	1	22.3	8.1	30.6	6.6				91.2	12.0	16.7	6.6	12.0	17.4		
									2	22.3	8.1	30.6	6.7				91.3	12.1	17.0					
							Bottom	3.0	1	22.3	8.1	30.6	6.7	91.5	12.1	17.8								
									2	22.3	8.1	30.6	6.7	91.9	11.9	18.0								
		TCE-WQM4	Cloudy	Calm	13:34	4.2	Surface	1.0	1	22.2	8.0	30.6	6.6	90.8	7.4	5.2	6.6	8.6	5.9					
									2	22.2	8.0	30.6	6.6	90.8	7.5	5.3								
							Bottom	3.2	1	22.0	7.9	30.6	6.6	90.3	9.6	6.8								
									2	22.0	7.9	30.6	6.6	90.3	9.6	6.8								
		15-03-21	Mid-Flood	TCE-C1	Cloudy	Moderate	10:10	8.4	Surface	1.0	1	21.2	8.0	32.1	7.1	96.3	10.8	7.1	7.1	13.7	6.7			
											2	21.2	8.0	32.1	7.1	96.4	11.0	7.4						
									Middle	4.2	1	21.2	8.0	32.5	7.0	95.8	14.3	7.1						
											2	21.2	8.0	32.5	7.0	95.8	14.0	6.5						
						Bottom	7.4	1	21.1	8.1	33.3	7.0	95.7	15.9	5.9	7.0								
								2	21.1	8.1	33.2	7.0	95.8	16.0	6.3									
				TCE-C2	Cloudy	Moderate	8:08	12.9	Surface	1.0	1	21.5	7.9	31.1	6.6				89.0	5.0	8.9	6.5	8.1	8.3
											2	21.5	7.9	31.1	6.6				88.9	5.0	8.8			
									Middle	6.5	1	21.5	7.9	31.1	6.5	88.2	5.7	8.3						
											2	21.5	7.9	31.1	6.5	88.1	5.8	8.4						
				Bottom	11.9	1	21.4	7.9	31.4	6.5	87.8	13.5	7.7	6.5										
						2	21.4	7.9	31.4	6.5	88.3	13.7	7.4											
TCE-WQM1	Cloudy			Calm	9:17	8.5	Surface	1.0	1	22.0	8.0	30.9	6.7				91.2	5.7	7.0	6.6	7.1	7.3		
									2	22.0	8.0	30.9	6.7				91.2	5.7	7.2					
							Middle	4.3	1	22.0	8.0	30.9	6.6	90.7	6.9	7.2								
									2	22.0	8.0	30.9	6.6	90.6	7.1	7.2								
				Bottom	7.5	1	21.9	8.0	31.0	6.6	90.8	8.3	7.4	6.7										
						2	21.9	8.0	31.0	6.7	91.5	8.7	7.6											
TCE-WQM2a	Cloudy			Moderate	8:44	7.9	Surface	1.0	1	21.7	7.9	30.3	6.7				90.9	10.1	10.4	6.7	13.2	10.6		
									2	21.7	7.9	30.3	6.7				90.9	10.1	10.3					
							Middle	4.0	1	21.7	7.9	30.3	6.7	90.2	13.2	10.6								
									2	21.7	7.9	30.3	6.6	90.0	13.2	10.5								
				Bottom	6.9	1	21.7	7.9	30.3	6.7	90.2	16.3	10.7	6.7										
						2	21.7	7.9	30.3	6.7	90.3	16.4	10.8											
TCE-WQM2b	Cloudy			Moderate	8:30	10.9	Surface	1.0	1	21.6	7.9	30.6	6.6				89.5	11.5	17.7	6.6	12.0	17.2		
									2	21.6	7.9	30.6	6.6				89.6	11.5	17.7					
							Middle	5.5	1	21.6	7.9	30.6	6.6	89.3	11.7	17.4								
									2	21.6	7.9	30.6	6.6	89.3	12.2	17.1								
				Bottom	9.9	1	21.6	7.9	30.6	6.6	89.6	12.4	16.5	6.6										
						2	21.6	7.9	30.6	6.6	89.5	12.4	16.8											
TCE-WQM3A	Cloudy			Calm	8:55	4.0	Surface	1.0	1	21.7	7.9	30.5	6.6				89.9	6.3	8.0	6.6	6.2	8.4		
									2	21.7	7.9	30.5	6.6				90.1	6.3	7.6					
							Bottom	3.0	1	21.6	7.9	30.6	6.7	90.6	6.0	8.9								
									2	21.6	7.9	30.6	6.8	91.9	6.1	9.0								
TCE-WQM4	Cloudy			Calm	9:05	4.3	Surface	1.0	1	21.7	8.0	30.5	6.7	90.9	6.9	6.8	6.7	9.2	7.4					
									2	21.7	8.0	30.5	6.7	90.9	7.0	6.8								
							Bottom	3.3	1	21.6	8.0	30.5	7.0	94.8	11.4	8.0								
									2	21.6	8.0	30.5	7.0	95.0	11.4	8.0								

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)					
17-03-21	Mid-Ebb	TCE-C1	Misty	Calm	13:37	8.0	Surface	1.0	1	22.4	8.0	30.3	7.4	100.8	4.2	6.5	7.1	5.7	4.8					
									2	22.4	8.0	30.3	7.4	100.8	4.2	6.2								
							Middle	4.0	1	21.9	8.0	31.9	6.8	93.7	5.4	6.0								
									2	21.9	8.0	31.9	6.8	93.6	5.4	5.0								
				Bottom	7.0	1	21.8	8.0	32.6	6.6	90.3	7.4	2.1	6.6										
						2	21.8	8.0	32.7	6.5	90.1	7.4	2.8											
		TCE-C2	Misty	Calm	15:43	12.6	Surface	1.0	1	23.1	7.9	29.8	6.6				91.9	5.5	5.9	6.5	6.9	6.1		
									2	23.0	7.9	29.9	6.6				91.3	5.6	5.5					
							Middle	6.3	1	22.5	7.9	30.2	6.3	87.1	7.1	5.6								
									2	22.5	7.9	30.3	6.3	86.0	7.3	6.2								
				Bottom	11.6	1	21.9	7.9	31.2	6.0	81.5	7.8	7.0	6.0										
						2	21.9	7.9	31.2	6.0	81.6	7.8	6.6											
		TCE-WQM1	Misty	Calm	14:29	8.2	Surface	1.0	1	22.9	7.9	30.3	6.8				94.8	7.3	9.4	6.8	7.3	9.4		
									2	22.9	7.9	30.3	6.8				94.7	7.3	10.4					
							Middle	4.1	1	22.9	7.9	30.3	6.7	92.9	7.5	9.5								
									2	22.9	7.9	30.3	6.7	92.9	7.5	10.3								
				Bottom	7.2	1	22.9	7.9	30.3	6.6	90.7	7.2	8.0	6.5										
						2	22.9	7.9	30.3	6.5	90.4	7.2	8.9											
		TCE-WQM2a	Misty	Calm	15:05	7.6	Surface	1.0	1	23.1	7.9	29.8	6.6				92.0	4.1	4.6	6.5	4.6	5.3		
									2	23.1	7.9	29.8	6.6				92.0	4.1	5.1					
							Middle	3.8	1	22.6	7.9	29.9	6.5	89.0	4.6	4.7								
									2	22.6	7.9	29.9	6.5	88.9	4.6	5.6								
				Bottom	6.6	1	22.2	7.9	30.5	6.0	82.6	5.2	6.3	6.0										
						2	22.2	7.8	30.5	6.0	82.6	5.1	5.4											
		TCE-WQM2b	Misty	Calm	15:17	10.6	Surface	1.0	1	23.4	7.9	28.3	7.0				96.1	4.8	4.7	6.6	6.5	5.9		
									2	23.3	7.9	28.4	6.9				94.6	5.0	5.7					
							Middle	5.3	1	22.6	7.9	29.2	6.4	87.0	6.9	5.9								
									2	22.6	7.9	29.2	6.4	87.0	7.0	6.2								
				Bottom	9.6	1	22.5	7.9	29.4	6.2	84.4	7.6	6.5	6.2										
						2	22.5	7.9	29.4	6.2	84.4	7.6	6.1											
		TCE-WQM3A	Misty	Calm	14:52	4.0	Surface	1.0	1	23.6	8.0	29.8	6.3				88.1	15.6	25.0	6.3	15.8	24.1		
									2	23.6	8.0	29.8	6.2				86.7	15.4	25.6					
							Bottom	3.0	1	23.5	7.8	29.8	5.6	78.3	16.1	22.4								
									2	23.5	7.8	29.8	5.6	78.2	16.2	23.4								
		TCE-WQM4	Misty	Calm	14:40	4.2	Surface	1.0	1	23.1	7.8	30.3	5.9	82.3	10.7	8.3	5.9	12.5	7.9					
									2	23.1	7.8	30.3	5.9	82.0	10.4	9.4								
							Bottom	3.2	1	23.0	7.7	30.3	5.6	77.1	14.3	7.3								
									2	23.0	7.7	30.3	5.6	77.0	14.5	6.5								
		17-03-21	Mid-Flood	TCE-C1	Misty	Calm	10:14	8.4	Surface	1.0	1	22.2	8.0	30.7	6.9	94.8	11.9	7.1	6.8	16.7	8.4			
											2	22.1	8.0	31.0	6.8	93.8	11.4	8.0						
									Middle	4.2	1	21.8	8.0	32.3	6.7	91.7	18.1	8.3						
											2	21.8	8.0	32.3	6.7	91.6	18.5	8.4						
						Bottom	7.4	1	21.8	8.0	32.5	6.4	87.7	20.1	8.9	6.4								
								2	21.8	8.0	32.5	6.4	87.6	20.2	9.7									
				TCE-C2	Misty	Calm	8:08	12.8	Surface	1.0	1	22.2	7.9	29.8	6.5				88.2	5.0	4.2	6.4	5.8	4.7
											2	22.2	7.9	29.8	6.5				88.2	5.0	4.1			
									Middle	6.4	1	22.1	7.9	30.4	6.4	86.9	5.8	4.6						
											2	22.1	7.9	30.3	6.4	86.9	5.9	4.6						
				Bottom	11.8	1	22.0	7.9	30.7	6.3	85.5	6.6	5.1	6.2										
						2	22.0	7.9	30.7	6.2	85.0	6.6	5.5											
TCE-WQM1	Misty			Calm	9:20	8.6	Surface	1.0	1	22.5	7.9	30.2	6.3				87.1	4.5	7.6	6.3	5.4	6.9		
									2	22.5	7.9	30.2	6.3				87.2	4.5	7.4					
							Middle	4.3	1	22.5	7.9	30.2	6.3	86.2	5.4	6.7								
									2	22.5	7.9	30.2	6.3	86.1	5.4	7.1								
				Bottom	7.6	1	22.5	7.9	30.4	6.0	82.6	6.3	6.4	6.0										
						2	22.5	7.9	30.4	6.0	82.4	6.4	6.2											
TCE-WQM2a	Misty			Calm	8:48	7.8	Surface	1.0	1	22.4	7.9	29.3	6.4				86.7	5.6	4.1	6.2	7.7	5.0		
									2	22.4	7.9	29.3	6.4				86.7	5.6	4.6					
							Middle	3.9	1	22.4	7.9	29.5	6.1	83.4	8.0	4.4								
									2	22.4	7.9	29.7	6.0	82.2	8.3	5.3								
				Bottom	6.8	1	22.5	7.8	30.0	5.6	76.2	9.3	5.9	5.6										
						2	22.5	7.8	30.0	5.6	76.2	9.3	5.8											
TCE-WQM2b	Misty			Calm	8:32	11.4	Surface	1.0	1	22.3	7.9	29.4	6.5				88.8	6.3	8.6	6.4	8.8	7.7		
									2	22.3	7.9	29.4	6.5				87.9	6.8	9.7					
							Middle	5.7	1	22.2	7.9	29.7	6.3	86.2	9.3	10.2								
									2	22.2	7.9	29.8	6.3	86.1	9.3	5.3								
				Bottom	10.4	1	22.2	7.8	29.9	6.1	83.7	10.9	6.3	6.1										
						2	22.2	7.8	29.9	6.0	82.3	10.4	6.2											
TCE-WQM3A	Misty			Calm	8:57	4.0	Surface	1.0	1	22.4	7.9	29.8	6.1				84.1	5.0	8.9	6.1	5.4	9.0		
									2	22.4	7.9	29.8	6.1				83.9	5.0	9.6					
							Bottom	3.0	1	22.4	7.8	29.9	5.6	76.9	5.9	8.5								
									2	22.4	7.8	29.9	5.6	76.8	5.8	9.0								
TCE-WQM4	Misty			Calm	9:08	4.2	Surface	1.0	1	22.4	7.9	29.8	6.3	86.4	11.8	7.6	6.3	15.0	8.4					
									2	22.4	7.9	29.8	6.3	86.2	11.6	8.6								
							Bottom	3.2	1	22.4	7.9	29.8	6.2	84.2	18.3	8.3								
									2	22.4	7.8	29.8	6.1	83.7	18.2	9.0								

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)					
19-03-21 is	Mid-Ebb	TCE-C1	Fine	Moderate	14:47	8.3	Surface	1.0	1	24.1	8.1	28.8	7.3	101.9	3.4	5.0	7.1	4.8	5.0					
									2	24.1	8.1	28.8	7.3	101.8	3.5	6.0								
							Middle	4.2	1	22.6	8.1	32.1	7.0	96.8	4.6	5.1								
									2	22.6	8.1	32.0	7.0	96.8	4.7	5.8								
				Bottom	7.3	1	22.4	8.1	32.6	6.8	95.0	6.3	4.4	6.8										
						2	22.4	8.1	32.6	6.8	94.9	6.4	3.9											
		TCE-C2	Fine	Moderate	16:48	14.4	Surface	1.0	1	23.1	7.9	29.7	6.3				87.4	4.7	5.7	6.2	5.7	6.8		
								2	23.1	7.9	29.7	6.3	87.3				4.7	6.1						
		Middle					7.2	1	22.4	7.9	31.2	6.0	83.2	5.6	6.4									
								2	22.4	7.9	31.2	6.0	82.9	5.6	6.7									
				Bottom	13.4	1	22.2	7.9	31.8	5.8	80.3	6.7	7.6	5.8										
						2	22.2	7.9	31.8	5.8	80.4	6.7	8.3											
		TCE-WQM1	Fine	Calm	15:27	8.8	Surface	1.0	1	23.2	8.0	30.5	6.9				96.7	6.1	9.1	6.9	7.0	8.8		
								2	23.2	8.0	30.5	6.9	96.7				6.1	8.6						
		Middle					4.4	1	23.2	8.0	30.6	6.9	96.4	6.9	8.8									
								2	23.2	8.0	30.6	6.9	96.3	6.9	9.5									
				Bottom	7.8	1	23.1	8.1	30.7	6.9	96.0	7.8	8.8	6.9										
						2	23.1	8.1	30.7	6.9	95.9	7.9	8.1											
		TCE-WQM2a	Fine	Moderate	16:10	7.6	Surface	1.0	1	23.6	8.0	29.4	6.6				91.8	4.8	8.9	6.4	4.7	9.3		
								2	23.6	8.0	29.4	6.6	91.8				4.8	8.7						
		Middle					3.8	1	23.1	7.9	29.7	6.3	87.0	4.7	9.2									
								2	23.1	7.9	29.7	6.3	86.8	4.7	9.7									
				Bottom	6.6	1	22.5	7.9	30.4	6.2	84.8	4.6	9.2	6.2										
						2	22.5	7.9	30.4	6.2	84.9	4.6	10.1											
		TCE-WQM2b	Fine	Moderate	16:23	12.8	Surface	1.0	1	23.6	8.0	28.7	6.8				94.1	3.5	6.0	6.6	5.4	4.5		
								2	23.6	8.0	28.7	6.8	94.1				3.5	5.4						
		Middle					6.4	1	23.0	7.9	29.4	6.4	88.7	5.1	4.5									
								2	23.0	7.9	29.4	6.4	88.7	5.1	4.0									
				Bottom	11.8	1	22.9	7.9	29.5	6.3	87.1	7.5	3.3	6.3										
						2	22.9	7.9	29.5	6.3	86.9	7.5	3.8											
		TCE-WQM3A	Fine	Calm	15:55	4.5	Surface	1.0	1	23.6	8.1	29.0	6.9				95.6	5.5	7.4	6.9	5.6	7.5		
								2	23.6	8.1	29.0	6.9	95.6				5.3	7.8						
		Bottom					3.5	1	23.6	8.2	29.0	6.9	95.6	5.8	6.8									
								2	23.6	8.2	29.0	6.9	95.6	5.8	7.9									
		TCE-WQM4	Fine	Calm	15:41	3.7	Surface	1.0	1	23.6	8.0	29.3	6.6	92.5	4.1	4.6	6.6	4.2	5.6					
								2	23.6	8.0	29.3	6.6	92.6	4.1	5.4									
		Bottom					2.7	1	23.4	8.0	29.4	6.6	91.4	4.4	5.8									
								2	23.4	8.0	29.4	6.6	91.4	4.3	6.6									
		19-03-21	Mid-Flood	TCE-C1	Fine	Moderate	10:26	8.1	Surface	1.0	1	22.7	8.1	30.8	7.2	99.7	4.5	3.3	7.1	5.9	3.9			
											2	22.7	8.1	30.8	7.2	99.7	4.5	2.9						
									Middle	4.1	1	22.4	8.1	32.6	7.0	97.3	6.0	4.1						
											2	22.4	8.1	32.6	7.0	97.2	6.1	3.6						
						Bottom	7.1	1	22.4	8.1	32.7	7.0	97.4	7.1	4.9	7.0								
								2	22.4	8.1	32.7	7.0	97.6	7.1	4.6									
				TCE-C2	Fine	Moderate	8:09	15.0	Surface	1.0	1	22.8	7.9	28.9	6.6				91.1	3.6	5.1	6.5	5.4	3.6
										2	22.8	7.9	28.9	6.6	91.2				3.6	5.2				
				Middle					7.5	1	22.7	7.9	29.5	6.5	88.6	5.1	3.0							
										2	22.7	7.9	29.5	6.5	88.6	5.1	3.4							
				Bottom	14.0	1	22.1	7.9	31.7	6.1	84.3	7.3	3.0	6.1										
						2	22.1	7.9	31.7	6.1	84.4	7.4	2.1											
TCE-WQM1	Fine			Calm	9:27	8.6	Surface	1.0	1	23.2	8.0	29.8	6.7				93.5	4.3	5.3	6.7	5.4	5.4		
								2	23.2	8.0	29.8	6.7	93.5				4.1	6.1						
Middle							4.3	1	23.2	8.0	29.9	6.7	93.4	5.3	5.4									
								2	23.2	8.0	29.9	6.7	93.3	5.4	5.9									
				Bottom	7.6	1	23.1	8.0	30.0	6.7	93.3	6.7	4.3	6.7										
						2	23.1	8.0	30.0	6.7	93.2	6.6	5.1											
TCE-WQM2a	Fine			Moderate	8:50	7.3	Surface	1.0	1	22.9	7.9	28.6	6.8				93.1	3.1	4.2	6.7	3.7	4.5		
								2	22.9	7.9	28.6	6.8	93.1				3.1	4.6						
Middle							3.7	1	22.9	8.0	29.1	6.7	92.1	3.4	4.8									
								2	22.9	8.0	29.1	6.7	92.1	3.5	4.2									
				Bottom	6.3	1	23.0	8.0	29.6	6.6	90.7	4.4	5.0	6.6										
						2	23.0	8.0	29.6	6.6	90.8	4.4	4.0											
TCE-WQM2b	Fine			Moderate	8:37	11.6	Surface	1.0	1	22.8	7.9	29.0	6.6				90.7	3.6	3.9	6.6	4.9	4.0		
								2	22.8	7.9	29.0	6.6	90.7				3.7	3.6						
Middle							5.8	1	22.7	7.9	29.6	6.5	89.7	4.8	3.3									
								2	22.7	7.9	29.6	6.5	89.6	4.9	4.0									
				Bottom	10.6	1	22.6	7.9	29.8	6.6	91.2	6.0	5.1	6.6										
						2	22.6	7.9	29.8	6.6	91.3	6.1	4.0											
TCE-WQM3A	Fine			Calm	9:04	4.2	Surface	1.0	1	22.9	8.0	29.1	6.6				90.7	4.3	5.2	6.6	5.2	5.8		
								2	22.9	8.0	29.1	6.6	90.8				4.4	5.1						
Bottom							3.2	1	22.8	8.0	29.2	6.8	93.8	6.0	6.0									
								2	22.8	8.0	29.2	6.8	93.9	6.0	7.0									
TCE-WQM4	Fine			Calm	9:14	3.5	Surface	1.0	1	23.0	8.0	29.4	6.7	91.8	8.0	11.8	6.7	8.9	12.0					
								2	23.0	8.0	29.4	6.7	91.8	8.1	12.8									
Bottom							2.5	1	23.0	8.0	29.4	6.8	93.7	9.6	11.3									
								2	23.0	8.0	29.4	6.8	93.7	9.7	12.0									

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)			
22-03-21	Mid-Ebb	TCE-C1	Cloudy	Rough	18:08	8.1	Surface	1.0	1	22.0	8.1	32.0	7.3	100.0	2.0	2.2	7.2	2.9	1.9			
									2	22.0	8.1	32.0	7.3	99.9	2.0	1.6						
							Middle	4.1	1	22.7	8.1	34.1	7.1	100.6	2.8	2.0						
									2	22.7	8.1	34.1	7.2	100.8	2.9	1.4						
				Bottom	7.1	1	22.9	8.1	34.5	7.2	102.4	3.9	1.9	7.2								
						2	22.9	8.1	34.5	7.2	102.4	3.9	2.1									
		TCE-C2	Cloudy	Rough	20:27	14.8	Surface	1.0	1	22.3	8.1	33.8	6.7				93.1	2.2	1.0	6.7	3.1	1.7
									2	22.3	8.1	33.8	6.7				93.2	2.2	1.6			
							Middle	7.4	1	22.3	8.1	34.1	6.7	93.4	2.6	1.8						
									2	22.3	8.1	34.1	6.7	93.4	2.7	1.7						
				Bottom	13.8	1	22.3	8.1	34.2	6.7	93.8	4.3	1.8	6.7								
						2	22.3	8.1	34.2	6.7	93.9	4.4	2.0									
		TCE-WQM1	Cloudy	Calm	19:06	8.9	Surface	1.0	1	22.3	8.0	28.5	6.6				89.7	3.4	2.7	6.5	3.9	2.6
									2	22.3	8.0	28.5	6.6				89.7	3.4	3.1			
							Middle	4.5	1	22.8	8.0	30.9	6.4	88.3	3.8	3.2						
									2	22.8	8.0	30.8	6.4	88.4	3.9	2.4						
				Bottom	7.9	1	22.8	8.1	33.0	6.5	91.5	4.5	2.1	6.5								
						2	22.8	8.1	33.0	6.5	91.7	4.4	2.2									
		TCE-WQM2a	Cloudy	Moderate	19:44	7.7	Surface	1.0	1	22.5	8.0	32.3	6.4				89.6	3.0	1.7	6.5	3.5	2.1
									2	22.5	8.0	32.3	6.4				89.6	3.0	1.6			
							Middle	3.9	1	22.3	8.1	33.5	6.6	92.4	2.7	2.2						
									2	22.3	8.1	33.5	6.6	92.3	2.7	1.8						
				Bottom	6.7	1	22.3	8.1	33.7	7.0	97.5	4.7	2.4	7.0								
						2	22.3	8.1	33.7	7.0	97.6	4.7	2.6									
TCE-WQM2b	Cloudy	Rough	19:58	12.4	Surface	1.0	1	21.8	8.0	31.8	6.9	94.0	2.1				1.9	6.7	3.2	2.8		
							2	21.8	8.0	31.8	6.9	93.9	2.1				2.5					
					Middle	6.2	1	22.2	8.0	33.6	6.6	92.1	4.0	2.6								
							2	22.2	8.0	33.6	6.6	92.1	4.1	2.6								
		Bottom	11.4	1	22.2	8.1	33.7	6.7	93.9	3.3	3.1	6.7										
				2	22.2	8.1	33.7	6.7	94.0	3.3	4.2											
TCE-WQM3A	Cloudy	Calm	19:31	4.3	Surface	1.0	1	22.2	8.0	28.2	6.5				88.1	4.3	4.0	6.5	4.4	3.5		
							2	22.2	8.0	28.3	6.5				88.1	4.2	3.7					
					Bottom	3.3	1	22.5	8.0	29.8	6.7	91.2	4.6	2.9								
							2	22.5	8.0	29.8	6.7	91.4	4.6	3.2								
TCE-WQM4	Cloudy	Calm	19:20	3.7	Surface	1.0	1	22.1	8.0	28.4	7.1	95.6	2.2	2.8	7.1	2.5	2.9					
							2	22.1	8.0	28.4	7.1	95.6	2.2	3.0								
					Bottom	2.7	1	22.1	8.0	28.8	7.2	98.0	2.8	3.1								
							2	22.1	8.0	28.8	7.2	97.9	2.8	2.7								
22-03-21	Mid-Flood	TCE-C1	Cloudy	Rough	8:27	8.0	Surface	1.0	1	22.1	8.1	31.9	7.2	99.0	2.2	2.4	7.2	3.5	1.9			
									2	22.1	8.1	31.9	7.2	99.0	2.2	1.8						
							Middle	4.0	1	22.5	8.1	32.6	7.1	99.3	3.3	2.1						
									2	22.5	8.1	32.6	7.1	99.3	3.3	1.6						
				Bottom	7.0	1	22.9	8.1	34.5	7.1	100.4	4.9	1.9	7.1								
						2	22.9	8.1	34.5	7.1	100.5	4.9	1.6									
		TCE-C2	Cloudy	Moderate	6:15	14.7	Surface	1.0	1	21.6	8.0	32.0	6.7				90.9	1.7	1.9	6.6	1.9	1.6
									2	21.6	8.0	32.0	6.7				91.0	1.7	2.2			
							Middle	7.4	1	22.4	8.0	33.8	6.5	91.6	1.8	1.2						
									2	22.4	8.0	33.8	6.5	91.6	1.8	2.0						
				Bottom	13.7	1	22.4	8.0	33.9	6.6	92.5	2.2	1.0	6.6								
						2	22.4	8.0	33.9	6.6	92.7	2.2	1.3									
		TCE-WQM1	Cloudy	Calm	7:46	8.6	Surface	1.0	1	22.8	7.9	29.2	6.2				85.5	5.3	5.0	6.2	6.1	4.1
									2	22.8	7.9	29.2	6.2				85.4	5.3	5.8			
							Middle	4.3	1	22.9	7.9	29.6	6.2	85.1	6.5	4.2						
									2	22.9	7.9	29.6	6.2	85.3	6.5	3.7						
				Bottom	7.6	1	23.0	8.0	30.8	6.4	89.7	6.6	2.8	6.4								
						2	23.0	8.0	30.8	6.5	89.9	6.6	3.2									
		TCE-WQM2a	Cloudy	Moderate	7:02	7.4	Surface	1.0	1	22.1	8.0	28.0	6.5				87.9	1.9	1.4	6.2	3.2	1.5
									2	22.1	8.0	28.0	6.5				87.9	1.9	1.1			
							Middle	3.7	1	22.5	8.0	32.8	5.8	81.1	3.1	1.8						
									2	22.4	8.0	32.9	5.8	81.0	3.1	1.7						
				Bottom	6.4	1	22.4	8.0	33.3	5.3	74.7	4.4	1.8	5.3								
						2	22.4	8.0	33.3	5.3	74.2	4.5	1.2									
TCE-WQM2b	Cloudy	Moderate	6:48	11.6	Surface	1.0	1	22.0	8.0	31.8	6.6	90.7	2.2				1.4	6.6	2.5	1.4		
							2	22.0	8.0	31.8	6.6	90.7	2.2				1.2					
					Middle	5.8	1	22.4	8.1	33.6	6.5	91.5	2.6	1.2								
							2	22.4	8.1	33.6	6.5	91.5	2.6	1.2								
		Bottom	10.6	1	22.3	8.1	33.8	6.8	94.6	2.8	1.5	6.8										
				2	22.3	8.1	33.8	6.8	94.8	2.8	1.7											
TCE-WQM3A	Cloudy	Calm	7:19	4.1	Surface	1.0	1	22.1	8.0	27.5	6.6				89.0	1.9	1.9	6.6	2.6	1.6		
							2	22.1	8.0	27.5	6.6				88.8	1.9	1.2					
					Bottom	3.1	1	23.0	7.9	28.2	6.5	89.6	3.3	1.7								
							2	23.0	7.9	28.2	6.5	89.7	3.3	1.4								
TCE-WQM4	Cloudy	Calm	7:32	3.5	Surface	1.0	1	22.0	8.0	28.1	6.8	91.8	2.0	2.3	6.8	2.7	2.3					
							2	22.0	8.0	28.1	6.8	91.7	2.0	2.0								
					Bottom	2.5	1	22.2	8.0	28.2	6.9	92.6	3.4	2.5								
							2	22.2	8.0	28.2	6.9	92.7	3.5	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)										
24-03-21	Mid-Ebb	TCE-C1	Fine	Moderate	20:28	8.2	Surface	1.0	1	22.3	8.1	34.6	7.1	100.1	3.9	4.5	7.1	4.3	4.6										
									2	22.3	8.1	34.6	7.1	100.2	3.7	4.8													
							Middle	4.1	1	22.3	8.1	34.6	7.1	99.3	4.4	4.9													
									2	22.3	8.1	34.6	7.1	99.2	4.5	4.7													
							Bottom	7.2	1	22.3	8.1	34.6	7.1	99.2	4.6	4.2													
									2	22.3	8.1	34.6	7.1	99.5	4.6	4.2													
		TCE-C2	Fine	Moderate	22:48	13.1	Surface	1.0	1	22.3	8.0	33.4	6.8	94.6	1.7	1.5	6.7	1.9	1.9										
									2	22.3	8.0	33.4	6.8	94.2	1.7	1.8													
							Middle	6.6	1	22.2	8.1	34.1	6.6	91.7	1.8	1.2													
									2	22.2	8.1	34.1	6.6	91.7	1.8	1.9													
							Bottom	12.1	1	22.2	8.1	34.2	6.6	91.6	2.1	3.1													
									2	22.2	8.1	34.2	6.5	91.5	2.0	2.1													
		TCE-WQM1	Fine	Moderate	21:38	8.1	Surface	1.0	1	22.2	8.0	32.2	6.6	90.5	3.5	3.4	6.5	4.3	3.8										
									2	22.2	8.0	32.2	6.6	90.7	3.5	3.4													
							Middle	4.1	1	22.1	8.0	32.8	6.5	90.4	3.9	4.0													
									2	22.1	8.0	32.8	6.5	90.3	3.9	3.6													
							Bottom	7.1	1	22.2	8.1	33.4	6.5	90.8	5.7	4.4													
									2	22.1	8.1	33.4	6.5	90.9	5.4	3.8													
		TCE-WQM2a	Fine	Moderate	22:12	7.0	Surface	1.0	1	22.4	8.0	33.2	6.9	96.7	1.7	2.2	6.9	1.9	1.7										
									2	22.4	8.0	33.2	6.9	96.7	1.7	1.9													
							Middle	3.5	1	21.9	8.1	33.3	6.9	96.2	1.8	1.9													
									2	21.9	8.1	33.3	6.9	95.8	1.8	1.2													
							Bottom	6.0	1	22.0	8.0	33.4	6.9	95.3	2.1	1.3													
									2	22.0	8.0	33.4	6.9	95.5	2.0	1.8													
		TCE-WQM2b	Fine	Moderate	22:24	10.8	Surface	1.0	1	22.3	8.0	33.0	6.7	93.8	1.1	2.1	6.7	1.5	2.3										
									2	22.3	8.0	33.0	6.7	93.8	1.2	1.6													
							Middle	5.4	1	22.2	8.1	33.9	6.6	92.7	1.5	2.2													
									2	22.2	8.1	33.9	6.6	92.6	1.6	2.5													
							Bottom	9.8	1	22.1	8.1	34.1	6.6	91.5	1.9	2.3													
									2	22.1	8.1	34.1	6.6	91.5	1.9	2.8													
		TCE-WQM3A	Fine	Moderate	22:02	4.2	Surface	1.0	1	22.1	8.0	32.6	6.5	90.2	4.2	5.2	6.5	4.4	5.3										
									2	22.1	8.0	32.6	6.5	90.1	4.3	5.3													
							Bottom	3.2	1	21.9	8.0	32.7	6.5	89.7	4.6	4.9													
									2	21.9	8.0	32.7	6.5	89.8	4.5	5.6													
							TCE-WQM4	Fine	Moderate	21:50	3.5	Surface	1.0	1	22.1	8.1				32.6	6.5	90.4	4.3	3.0	6.5	4.8	3.3		
														2	22.0	8.1				32.6	6.5	90.5	4.4	3.9					
		Bottom	2.5	1	21.9	8.0						32.7	6.6	90.6	5.5	3.4													
				2	22.0	8.0						32.6	6.6	91.3	5.1	3.0													
		24-03-21	Mid-Flood	TCE-C1	Cloudy	Moderate						10:47	8.3	Surface	1.0	1	22.3	8.1	34.6	7.1	99.7	3.2	5.2	7.1				3.5	4.8
																2	22.3	8.1	34.6	7.1	99.8	3.1	5.6						
							Middle	4.2	1	22.3	8.1			34.6	7.1	99.3	3.5	4.2											
									2	22.3	8.1			34.7	7.1	99.8	3.5	4.6											
							Bottom	7.3	1	22.2	8.1			34.6	7.1	99.0	3.9	4.7											
									2	22.3	8.1			34.6	7.1	99.2	3.9	4.3											
				TCE-C2	Cloudy	Moderate	8:49	13.2	Surface	1.0	1	22.0	8.0	33.9	6.7	92.7	1.2	2.0	6.6	1.4	1.9								
											2	22.0	8.0	33.9	6.7	92.7	1.2	1.6											
									Middle	6.6	1	22.1	8.0	34.1	6.6	91.5	1.5	2.0											
											2	22.1	8.0	34.1	6.6	91.5	1.5	1.6											
Bottom	12.2								1	22.1	8.0	34.1	6.6	92.0	1.6	1.5													
									2	22.1	8.0	34.1	6.6	92.6	1.6	2.4													
TCE-WQM1	Cloudy			Moderate	10:02	8.2	Surface	1.0	1	21.9	8.0	32.0	6.4	88.2	3.2	3.7	6.4	4.1	3.3										
									2	21.9	8.0	32.0	6.4	88.3	3.2	4.0													
							Middle	4.1	1	22.0	8.0	32.3	6.3	87.2	4.4	3.1													
									2	22.0	8.0	32.3	6.3	87.3	4.4	2.9													
							Bottom	7.2	1	22.2	8.0	32.8	6.4	88.5	4.8	3.4													
									2	22.2	8.0	32.8	6.4	88.6	4.8	2.6													
TCE-WQM2a	Cloudy			Moderate	9:26	7.0	Surface	1.0	1	21.8	8.0	32.8	6.6	90.6	2.2	2.6	6.6	2.3	2.3										
									2	21.8	8.0	32.8	6.6	90.6	2.2	2.0													
							Middle	3.5	1	21.9	8.0	33.0	6.6	91.2	2.2	2.5													
									2	21.9	8.0	33.0	6.6	91.6	2.3	2.2													
							Bottom	6.0	1	21.9	8.0	33.0	6.8	93.3	2.5	2.2													
									2	21.9	8.0	33.0	6.8	94.0	2.5	2.0													
TCE-WQM2b	Cloudy			Moderate	9:13	10.9	Surface	1.0	1	21.9	8.0	33.1	6.6	91.3	2.5	3.2	6.6	2.7	2.8										
									2	21.8	8.0	33.1	6.6	91.5	2.5	2.5													
							Middle	5.5	1	21.9	8.0	33.1	6.6	91.9	2.6	2.8													
									2	21.9	8.0	33.1	6.6	91.9	2.6	2.8													
							Bottom	9.9	1	21.9	8.0	33.3	6.7	92.8	2.9	2.8													
									2	21.9	8.0	33.3	6.7	92.9	2.9	2.9													
TCE-WQM3A	Cloudy			Moderate	9:38	4.2	Surface	1.0	1	21.6	8.0	32.5	6.3	86.5	5.6	4.2	6.3	7.3	5.4										
									2	21.6	8.0	32.5	6.3	86.5	5.6	4.4													
							Bottom	3.2	1	21.8	8.0	32.8	6.4	88.3	9.0	6.8													
									2	21.8	8.0	32.8	6.5	88.9	8.8	6.1													
							TCE-WQM4	Cloudy	Moderate	9:48	3.6	Surface	1.0	1	21.6	8.0				32.2	6.6	91.0	2.5	2.4	6.6	2.9	2.7		
														2	21.6	8.0				32.2	6.6	91.0	2.6	2.1					
Bottom	2.6			1	21.5	8.0						32.2	6.8	92.3	2.6	2.7													
				2	21.5	8.0						32.2	6.8	93.4	3.1	3.6													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
26-03-21	Mid-Ebb	TCE-C1	Fine	Rough	13:30	8.1	Surface	1.0	1	22.7	8.2	33.9	7.7	108.0	3.2	5.5	7.5	3.8	5.0			
									2	22.7	8.2	33.9	7.7	108.1	3.2	5.6						
							Middle	4.1	1	22.4	8.1	34.1	7.3	102.8	3.4	4.8						
									2	22.4	8.1	34.1	7.3	103.0	3.5	4.2						
							Bottom	7.1	1	22.2	8.1	34.4	7.2	100.3	4.8	4.6						
									2	22.2	8.1	34.4	7.2	100.2	4.8	5.0						
		TCE-C2	Fine	Moderate	11:00	14.4	Surface	1.0	1	22.3	8.0	34.0	6.7	93.9	2.3	2.7	6.6	2.0	3.7			
									2	22.3	8.0	34.0	6.7	93.9	2.2	3.7						
							Middle	7.2	1	22.2	8.0	34.1	6.5	91.5	1.7	4.0						
									2	22.2	8.0	34.1	6.6	91.6	1.7	3.5						
							Bottom	13.4	1	22.2	8.0	34.1	6.5	90.8	2.0	4.2						
									2	22.2	8.0	34.1	6.5	90.8	2.1	4.3						
		TCE-WQM1	Fine	Calm	12:23	8.6	Surface	1.0	1	22.4	8.1	33.6	7.3	102.5	2.9	4.9	7.3	3.0	5.1			
									2	22.4	8.1	33.6	7.3	102.5	2.9	4.7						
							Middle	4.3	1	22.4	8.1	33.7	7.3	102.6	2.8	4.6						
									2	22.4	8.1	33.7	7.3	102.5	2.8	5.0						
							Bottom	7.6	1	22.3	8.1	33.9	7.3	101.5	3.3	5.6						
									2	22.3	8.1	33.9	7.3	101.5	3.3	5.9						
		TCE-WQM2a	Fine	Moderate	11:46	7.5	Surface	1.0	1	22.1	8.1	33.4	7.1	98.4	2.3	4.8	7.1	2.4	4.4			
									2	22.1	8.1	33.4	7.1	98.4	2.3	5.7						
							Middle	3.8	1	22.0	8.1	33.4	7.0	97.8	2.4	4.2						
									2	22.0	8.1	33.4	7.1	97.9	2.4	3.9						
							Bottom	6.5	1	22.0	8.1	33.4	7.0	96.8	2.4	4.0						
									2	22.0	8.1	33.4	7.0	96.8	2.4	3.6						
		TCE-WQM2b	Fine	Moderate	11:33	12.0	Surface	1.0	1	22.2	8.0	33.5	6.8	94.6	2.4	3.4	6.7	2.5	3.9			
									2	22.2	8.0	33.5	6.8	94.4	2.4	3.8						
							Middle	6.0	1	22.2	8.0	33.8	6.6	91.9	2.5	3.7						
									2	22.2	8.0	33.8	6.6	91.9	2.6	4.2						
							Bottom	11.0	1	22.2	8.0	33.8	6.6	91.9	2.5	4.7						
									2	22.2	8.0	33.8	6.6	91.9	2.5	3.6						
		TCE-WQM3A	Fine	Calm	11:58	4.4	Surface	1.0	1	22.2	8.2	33.2	6.8	94.8	6.1	8.2	6.8	6.4	7.1			
									2	22.2	8.2	33.2	6.8	94.9	6.2	7.6						
							Bottom	3.4	1	22.1	8.1	33.2	6.8	94.8	6.6	5.8						
									2	22.1	8.1	33.2	6.8	94.8	6.6	6.6						
							Surface	1.0	1	22.3	8.1	33.2	7.0	96.9	1.9	6.0				7.0	1.9	5.1
									2	22.3	8.1	33.2	7.0	96.9	1.9	5.1						
		Bottom	2.7	1	22.3	8.1	33.2	6.9	95.7	1.9	4.8											
				2	22.3	8.1	33.2	6.9	95.8	1.9	4.3											
		Surface	1.0	1	22.9	8.2	33.9	8.0	112.6	2.8	5.0	7.7	3.2	4.7								
				2	22.9	8.2	33.9	7.9	112.3	2.8	5.2											
		Middle	4.0	1	22.6	8.2	34.0	7.6	106.3	3.1	4.5											
				2	22.6	8.2	34.0	7.5	106.1	3.1	4.9											
		Bottom	7.0	1	22.2	8.1	34.4	7.2	101.6	3.7	4.7											
				2	22.2	8.1	34.4	7.2	101.5	3.7	4.0											
		TCE-C2	Fine	Moderate	17:48	14.5	Surface	1.0	1	22.4	8.1	34.0	6.9	96.8	1.9	3.1	6.8	2.2	3.8			
									2	22.4	8.1	34.0	6.9	96.7	1.9	3.8						
							Middle	7.3	1	22.3	8.1	34.1	6.7	93.3	2.2	3.2						
									2	22.3	8.1	34.1	6.7	93.4	2.2	3.8						
Bottom	13.5						1	22.3	8.1	34.1	6.7	94.0	2.7	4.0								
							2	22.3	8.1	34.1	6.7	93.9	2.5	4.6								
TCE-WQM1	Fine	Calm	16:24	8.8	Surface	1.0	1	22.9	8.1	33.2	7.6	107.3	3.5	3.4	7.6	3.2	4.2					
							2	22.9	8.1	33.2	7.6	107.3	3.5	3.7								
					Middle	4.4	1	22.7	8.1	33.5	7.6	106.3	2.9	3.3								
							2	22.7	8.1	33.5	7.6	106.3	3.0	4.2								
					Bottom	7.8	1	22.6	8.1	33.6	7.5	105.0	3.1	4.9								
							2	22.6	8.1	33.6	7.5	105.1	3.1	5.6								
TCE-WQM2a	Fine	Moderate	17:02	7.3	Surface	1.0	1	22.3	8.1	33.5	7.1	99.0	3.0	7.6	7.1	3.2	5.3					
							2	22.3	8.1	33.5	7.1	99.0	3.0	8.2								
					Middle	3.7	1	22.2	8.1	33.5	7.0	98.1	3.1	4.0								
							2	22.2	8.1	33.5	7.0	98.2	3.1	4.1								
					Bottom	6.3	1	22.2	8.1	33.5	6.9	96.7	3.5	4.4								
							2	22.2	8.1	33.5	6.9	96.7	3.5	3.7								
TCE-WQM2b	Fine	Moderate	17:13	11.9	Surface	1.0	1	22.5	8.1	33.6	7.2	100.9	2.4	4.6	7.2	3.1	4.2					
							2	22.5	8.1	33.6	7.2	100.8	2.4	4.0								
					Middle	6.0	1	22.5	8.1	33.5	7.1	99.6	2.8	4.1								
							2	22.5	8.1	33.5	7.1	99.8	2.8	4.8								
					Bottom	10.9	1	22.4	8.1	33.7	7.0	97.7	4.1	4.3								
							2	22.4	8.1	33.7	7.0	97.7	4.0	3.5								
TCE-WQM3A	Fine	Calm	16:50	4.2	Surface	1.0	1	22.5	8.1	33.4	7.3	102.0	5.1	8.4	7.3	5.1	8.0					
							2	22.5	8.1	33.4	7.3	102.1	5.1	9.1								
					Bottom	3.2	1	22.5	8.1	33.4	7.2	101.0	5.1	6.9								
							2	22.5	8.1	33.4	7.2	100.8	5.1	7.5								
					Surface	1.0	1	22.5	8.1	33.4	7.4	104.2	3.5	4.0				7.4	3.7	4.7		
							2	22.5	8.1	33.4	7.4	104.1	3.6	5.2								
Bottom	2.6	1	22.4	8.1	33.4	7.4	102.9	3.8	5.1													
		2	22.4	8.1	33.4	7.4	102.9	3.8	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)					
29-03-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:46	8.6	Surface	1.0	1	23.1	8.1	33.0	7.7	109.2	3.5	3.9	7.5	4.4	4.7					
									2	23.1	8.1	33.0	7.7	109.2	3.5	4.6								
							Middle	4.3	1	22.9	8.1	33.9	7.3	103.3	4.8	5.0								
									2	22.9	8.1	33.9	7.3	103.2	4.8	4.4								
				Bottom	7.6	1	22.8	8.1	34.1	7.2	101.9	4.9	4.9	7.2										
						2	22.8	8.1	34.1	7.2	101.9	4.9	5.4											
		TCE-C2	Cloudy	Moderate	14:13	14.5	Surface	1.0	1	23.8	8.1	31.9	7.8				111.0	2.9	3.9	7.6	6.1	5.7		
									2	23.8	8.1	31.9	7.8				111.0	2.9	4.6					
							Middle	7.3	1	23.5	8.1	32.0	7.5	105.8	5.5	5.1								
									2	23.5	8.1	32.0	7.5	105.8	5.6	5.9								
				Bottom	13.5	1	23.5	8.1	32.0	7.5	105.4	9.9	7.4	7.5										
						2	23.5	8.1	32.0	7.5	105.4	9.9	7.5											
		TCE-WQM1	Cloudy	Moderate	12:58	8.0	Surface	1.0	1	23.5	8.1	32.5	7.7				108.9	3.9	4.9	7.7	4.4	5.1		
									2	23.5	8.1	32.5	7.7				108.9	3.9	4.0					
							Middle	4.0	1	23.5	8.1	32.5	7.7	108.6	4.0	5.2								
									2	23.5	8.1	32.5	7.7	108.6	4.0	5.6								
				Bottom	7.0	1	23.5	8.1	32.5	7.6	108.0	5.4	5.0	7.6										
						2	23.5	8.1	32.5	7.6	108.0	5.4	5.9											
		TCE-WQM2a	Cloudy	Moderate	13:34	7.5	Surface	1.0	1	23.9	8.1	32.0	7.7				108.8	2.7	3.5	7.7	3.8	3.2		
									2	23.9	8.1	32.0	7.7				108.8	2.7	3.6					
							Middle	3.8	1	23.6	8.1	32.2	7.7	108.4	3.5	3.3								
									2	23.6	8.1	32.2	7.7	108.4	3.5	3.3								
				Bottom	6.5	1	23.5	8.1	32.4	7.6	107.4	5.2	2.7	7.6										
						2	23.5	8.1	32.4	7.6	107.4	5.2	2.7											
		TCE-WQM2b	Cloudy	Moderate	13:46	11.5	Surface	1.0	1	23.5	8.1	31.5	7.3				102.9	4.0	4.7	7.3	6.7	7.8		
									2	23.5	8.1	31.5	7.3				103.0	4.0	5.5					
							Middle	5.8	1	23.4	8.0	31.7	7.2	101.5	6.2	6.8								
									2	23.4	8.0	31.7	7.2	101.5	6.2	7.1								
				Bottom	10.5	1	23.4	8.0	31.7	7.2	101.6	9.8	11.7	7.2										
						2	23.4	8.0	31.7	7.2	101.6	9.8	11.0											
		TCE-WQM3A	Cloudy	Moderate	13:21	4.3	Surface	1.0	1	23.9	8.2	32.2	7.7				109.2	6.0	8.3	7.7	7.6	7.9		
									2	23.9	8.2	32.2	7.7				109.2	6.0	7.3					
							Bottom	3.3	1	23.8	8.2	32.2	8.0	113.9	9.2	8.2								
									2	23.8	8.2	32.2	8.0	113.9	9.2	7.8								
		TCE-WQM4	Cloudy	Moderate	13:10	3.8	Surface	1.0	1	24.0	8.1	32.6	7.9	113.2	3.4	4.0	7.9	3.4	3.9					
									2	24.0	8.1	32.6	7.9	113.2	3.4	4.5								
							Bottom	2.8	1	23.9	8.1	32.6	7.9	113.4	3.3	3.3								
									2	23.9	8.1	32.6	7.9	113.4	3.3	3.6								
		29-03-21	Mid-Flood	TCE-C1	Cloudy	Moderate	8:50	8.6	Surface	1.0	1	22.8	8.1	32.5	7.4	103.4	16.8	2.9	7.3	21.0	4.1			
											2	22.8	8.1	32.5	7.4	103.4	16.8	3.4						
									Middle	4.3	1	22.7	8.1	33.9	7.3	102.6	26.3	3.8						
											2	22.7	8.1	33.9	7.3	102.6	26.3	4.7						
						Bottom	7.6	1	22.8	8.1	34.0	7.2	101.4	20.0	5.0	7.2								
								2	22.8	8.1	34.0	7.2	101.4	20.0	4.7									
				TCE-C2	Cloudy	Moderate	6:51	13.4	Surface	1.0	1	23.2	8.0	31.8	7.2				101.8	5.1	3.2	7.2	13.3	4.3
											2	23.2	8.0	31.8	7.2				101.8	5.1	3.0			
									Middle	6.7	1	23.2	8.0	31.8	7.2	101.0	10.7	4.9						
											2	23.2	8.0	31.8	7.2	101.0	10.7	4.2						
				Bottom	12.4	1	23.2	8.0	31.8	7.2	100.7	24.2	5.6	7.2										
						2	23.2	8.0	31.8	7.2	100.7	24.2	5.1											
TCE-WQM1	Cloudy			Moderate	8:06	8.2	Surface	1.0	1	23.5	8.1	32.6	7.3				104.2	3.9	5.3	7.3	3.8	4.3		
									2	23.5	8.1	32.6	7.3				104.0	3.9	4.2					
							Middle	4.1	1	23.5	8.1	32.6	7.3	103.8	3.8	4.1								
									2	23.5	8.1	32.6	7.3	103.8	3.8	5.0								
				Bottom	7.2	1	23.5	8.1	32.6	7.3	103.1	3.7	3.1	7.3										
						2	23.5	8.1	32.6	7.3	103.1	3.7	3.8											
TCE-WQM2a	Cloudy			Moderate	7:31	7.2	Surface	1.0	1	23.3	8.0	31.6	7.3				102.5	3.2	5.4	7.3	3.3	4.8		
									2	23.3	8.0	31.6	7.3				102.5	3.2	5.3					
							Middle	3.6	1	23.3	8.0	31.7	7.2	101.7	3.4	5.4								
									2	23.3	8.0	31.7	7.3	102.0	3.4	5.0								
				Bottom	6.2	1	23.3	8.0	31.7	7.2	101.6	3.4	3.4	7.2										
						2	23.3	8.0	31.7	7.2	101.8	3.4	4.2											
TCE-WQM2b	Cloudy			Moderate	7:13	10.2	Surface	1.0	1	23.2	8.0	31.8	7.2				101.5	7.0	5.6	7.2	7.8	5.0		
									2	23.2	8.0	31.8	7.2				101.5	7.0	5.3					
							Middle	5.1	1	23.2	8.0	31.8	7.2	101.1	7.9	5.3								
									2	23.2	8.0	31.8	7.2	100.9	8.1	4.5								
				Bottom	9.2	1	23.2	8.0	31.7	7.2	100.9	8.3	4.2	7.2										
						2	23.2	8.0	31.7	7.2	100.8	8.5	5.0											
TCE-WQM3A	Cloudy			Moderate	7:43	4.2	Surface	1.0	1	23.2	8.0	32.3	7.1				99.6	2.5	7.0	7.1	2.3	6.4		
									2	23.2	8.0	32.3	7.1				99.6	2.5	6.2					
							Bottom	3.2	1	23.2	8.0	32.3	7.1	99.9	2.0	6.7								
									2	23.2	8.0	32.3	7.1	99.9	2.0	5.6								
TCE-WQM4	Cloudy			Moderate	7:53	3.4	Surface	1.0	1	23.3	8.1	32.1	7.3	102.9	2.5	3.9	7.3	2.6	4.2					
									2	23.3	8.1	32.1	7.3	102.9	2.5	4.8								
							Bottom	2.4	1	23.3	8.1	32.1	7.3	102.1	2.6	3.8								
									2	23.3	8.1	32.1	7.3	102.1	2.6	4.3								

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)				
31-03-21	Mid-Ebb	TCE-C1	Misty	Calm	13:04	8.6	Surface	1.0	1	23.6	8.1	33.8	7.3	104.8	1.4	7.0	7.3	3.1	6.3				
							Middle	4.3	1	23.5	8.1	33.8	7.2	103.0	2.8	6.9							
							Bottom	7.6	1	23.4	8.1	33.8	7.2	102.8	4.9	5.1							
				TCE-C2	Misty	Calm	15:25	12.8	Surface	1.0	1	24.1	8.0	31.8	7.0	99.8	4.6	4.4	6.9	5.6	6.5		
		Middle	6.4						1	24.1	8.0	31.7	6.9	98.4	5.8	7.2							
		Bottom	11.8						1	24.1	8.0	31.7	6.9	98.0	5.3	6.6							
				TCE-WQM1	Misty	Calm	13:54	8.0	Surface	1.0	1	24.1	8.1	32.7	7.2	103.8	3.2	4.2	7.2	3.3	4.5		
		Middle	4.0						1	24.1	8.1	32.7	7.2	102.7	3.3	4.7							
		Bottom	7.0						1	24.1	8.0	32.7	7.1	102.2	3.4	4.2							
				TCE-WQM2a	Misty	Calm	14:45	7.0	Surface	1.0	1	24.1	8.0	31.4	6.9	98.4	3.4	7.5	6.9	5.2	7.7		
		Middle	3.5						1	24.1	8.0	31.5	6.9	97.5	5.5	7.6							
		Bottom	6.0						1	24.1	8.0	31.5	6.7	96.0	6.5	8.9							
				TCE-WQM2b	Misty	Calm	15:00	11.2	Surface	1.0	1	24.1	8.0	31.5	7.0	99.1	3.3	9.0	6.9	6.7	11.5		
		Middle	5.6						1	24.1	8.0	31.5	6.9	98.7	7.1	14.8							
		Bottom	10.2						1	24.1	8.0	31.5	6.9	97.9	9.4	9.5							
				TCE-WQM3A	Misty	Calm	14:17	4.0	Surface	1.0	1	24.3	8.1	31.8	7.0	100.0	4.8	6.2	7.0	5.8	6.0		
		Middle							1	24.3	8.1	31.8	7.0	100.1	5.0	6.9							
		Bottom	3.0						1	24.3	8.1	31.8	6.8	97.4	6.7	5.2							
				TCE-WQM4	Misty	Calm	14:04	3.6	Surface	1.0	1	24.6	8.0	32.4	7.2	103.7	2.7	3.7	7.2	2.9	5.3		
		Middle							1	24.6	8.0	32.4	7.2	103.5	2.8	4.2							
		Bottom	2.6						1	24.5	8.0	32.4	7.0	101.2	3.0	9.4							
31-03-21	Mid-Flood	TCE-C1	Misty	Calm	9:30	8.0	Surface	1.0	1	23.4	8.1	33.5	7.1	101.3	4.6	18.0	7.1	6.6	19.3				
							Middle	4.0	1	23.4	8.1	33.5	7.1	101.3	6.5	18.7							
							Bottom	7.0	1	23.4	8.1	33.5	7.0	99.9	8.8	22.0							
				TCE-C2	Misty	Calm	7:15	12.8	Surface	1.0	1	23.8	8.0	31.7	6.8	96.4	4.0	3.0	6.8	4.3	3.4		
		Middle	6.4						1	23.8	8.0	31.8	6.8	96.3	4.1	3.4							
		Bottom	11.8						1	23.8	8.0	31.8	6.8	96.2	4.9	3.6							
				TCE-WQM1	Misty	Calm	8:40	8.2	Surface	1.0	1	24.1	8.0	32.1	6.9	97.8	2.4	3.4	6.9	3.0	3.8		
		Middle	4.1						1	24.1	8.0	32.2	7.0	99.4	3.0	2.5							
		Bottom	7.2						1	24.1	8.0	32.3	6.9	98.8	3.4	3.5							
				TCE-WQM2a	Misty	Calm	8:00	7.0	Surface	1.0	1	24.0	8.0	31.4	7.0	99.4	2.9	2.9	6.9	3.5	2.9		
		Middle	3.5						1	24.0	8.0	31.5	6.9	97.9	3.6	2.4							
		Bottom	6.0						1	23.9	8.0	31.7	6.9	98.0	3.6	3.0							
				TCE-WQM2b	Misty	Calm	7:41	10.6	Surface	1.0	1	23.9	8.0	31.3	7.0	98.7	4.4	4.4	6.9	7.0	6.8		
		Middle	5.3						1	23.9	8.0	31.6	6.9	97.2	7.5	5.0							
		Bottom	9.6						1	23.9	8.0	31.5	6.8	96.0	9.2	10.2							
				TCE-WQM3A	Misty	Calm	8:14	4.0	Surface	1.0	1	23.8	8.0	31.8	6.8	95.9	1.9	2.9	6.7	2.4	3.2		
		Middle							1	23.8	8.0	31.8	6.7	95.8	2.0	2.5							
		Bottom	3.0						1	23.8	8.0	31.8	6.7	95.2	2.9	4.1							
				TCE-WQM4	Misty	Calm	8:25	3.6	Surface	1.0	1	23.9	8.0	31.8	6.8	96.1	6.3	3.8	6.8	5.0	5.0		
		Middle							1	23.9	8.0	31.8	6.8	96.1	6.1	4.8							
		Bottom	2.6						1	23.9	7.9	31.8	6.5	92.3	3.9	5.8							