

Annex G3

Monitoring Results for Water Quality

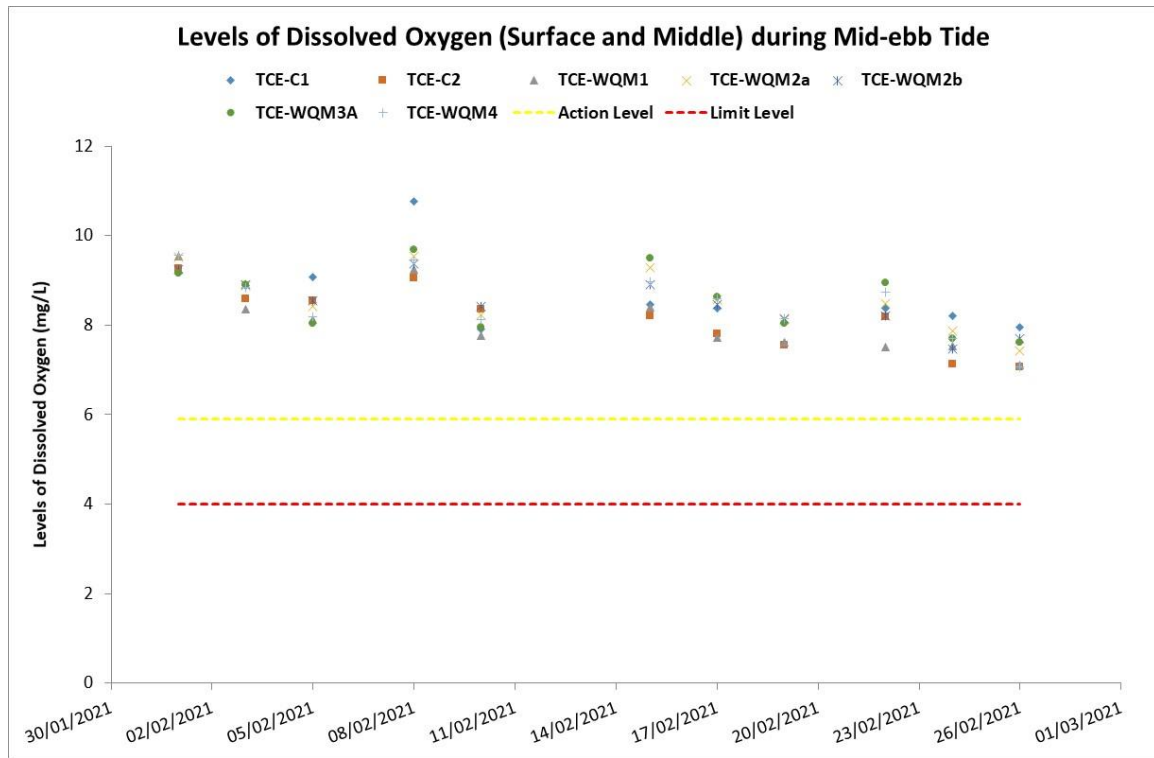


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 28 February 2021

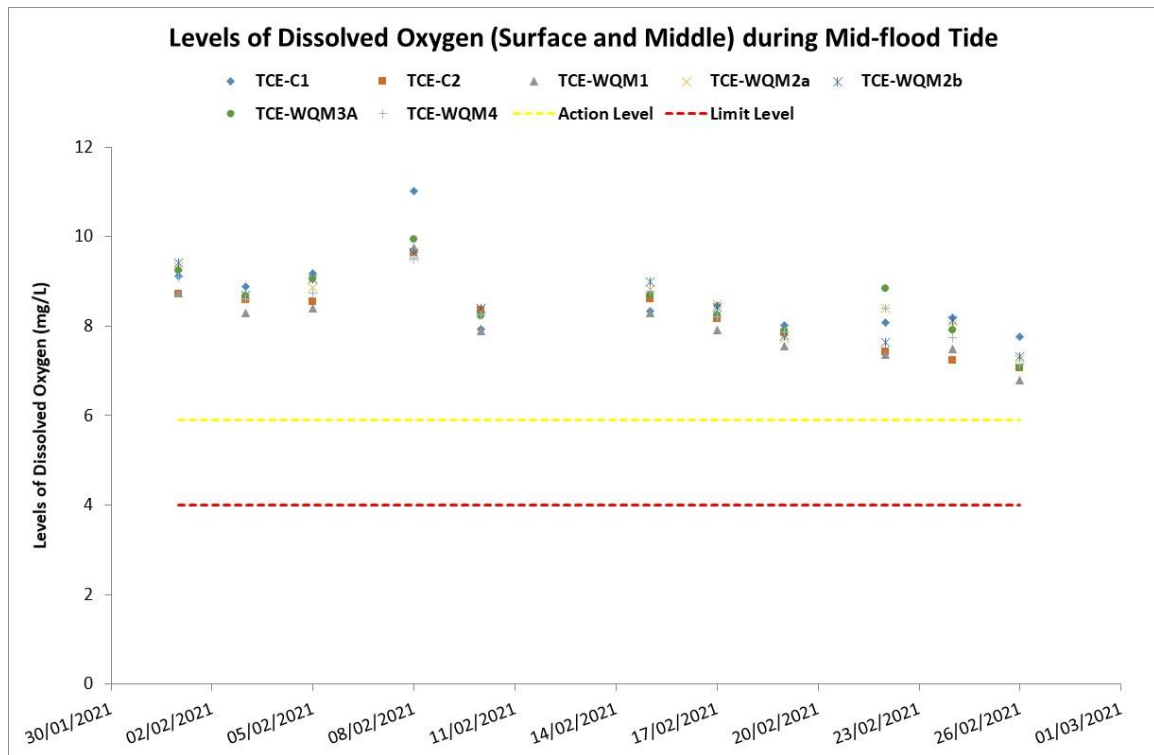


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 28 February 2021

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

**Environmental
 Resources
 Management**



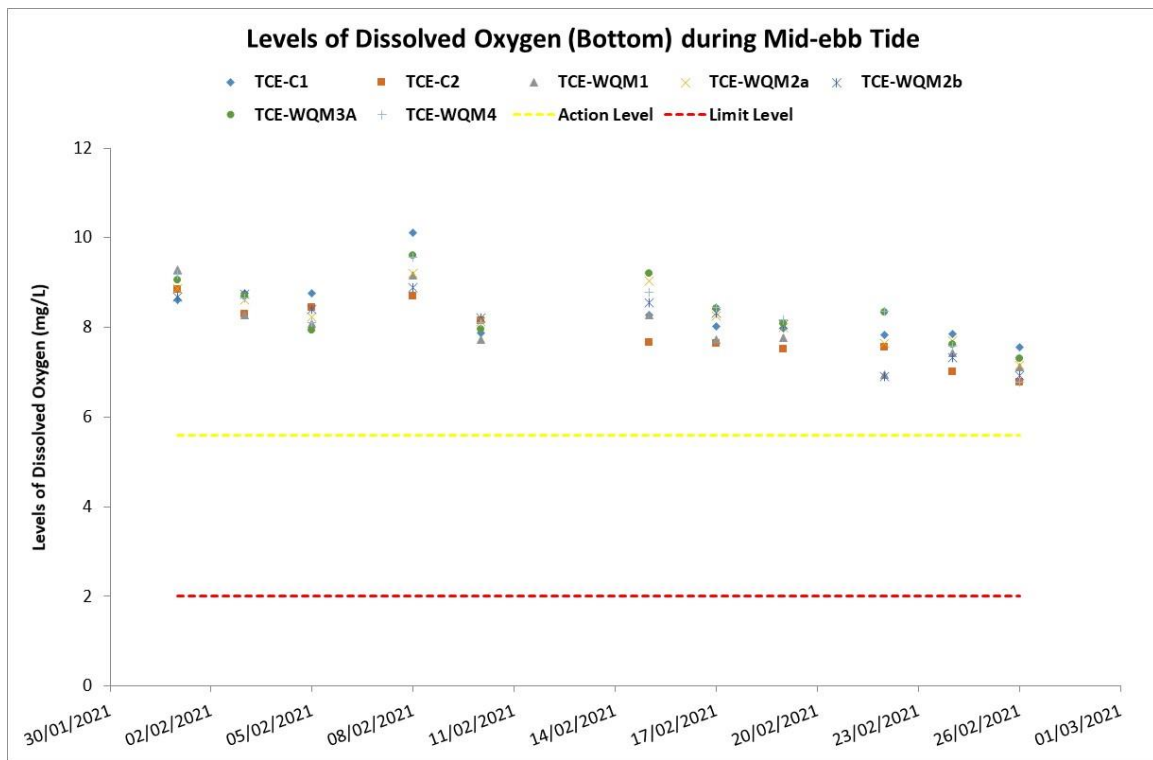


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 28 February 2021

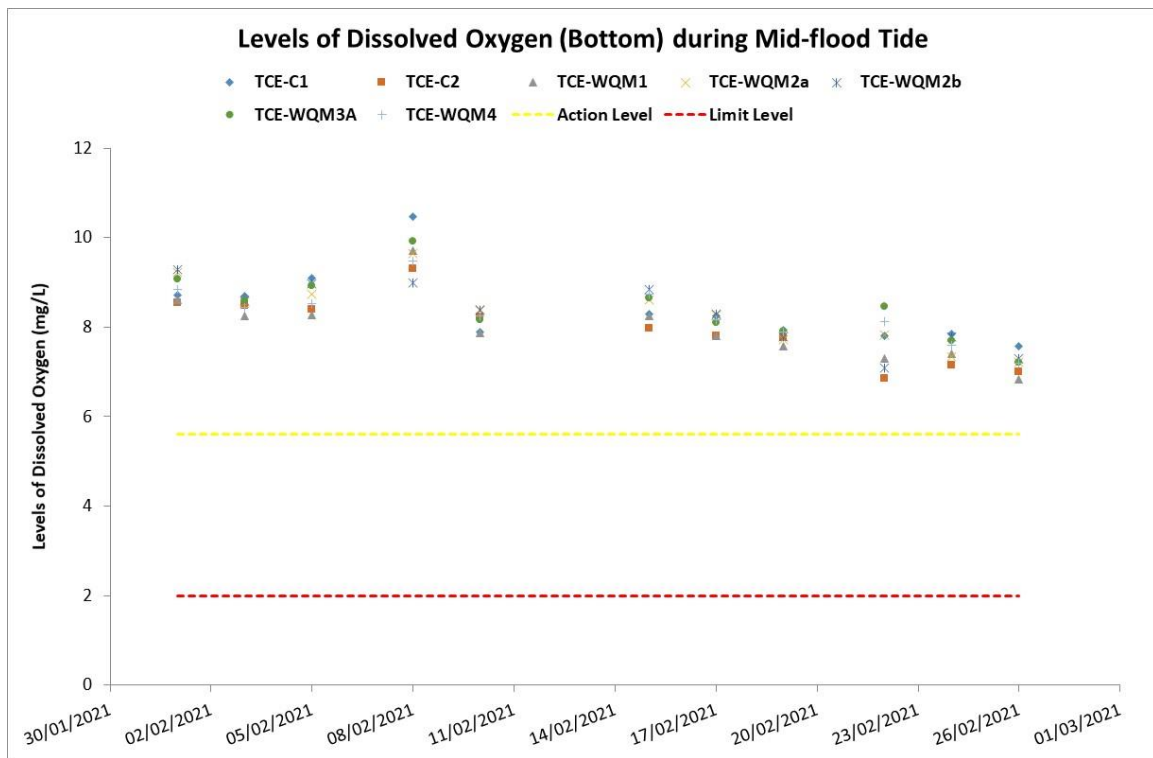


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 28 February 2021

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

**Environmental
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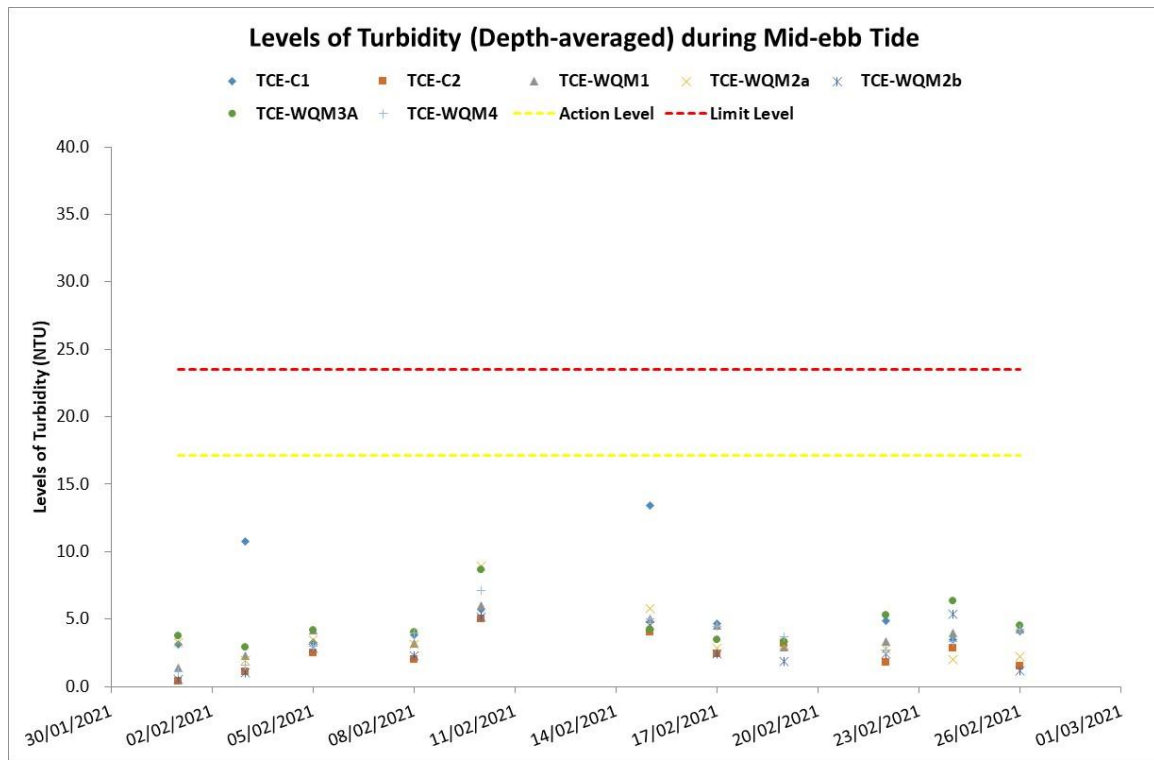


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 28 February 2021

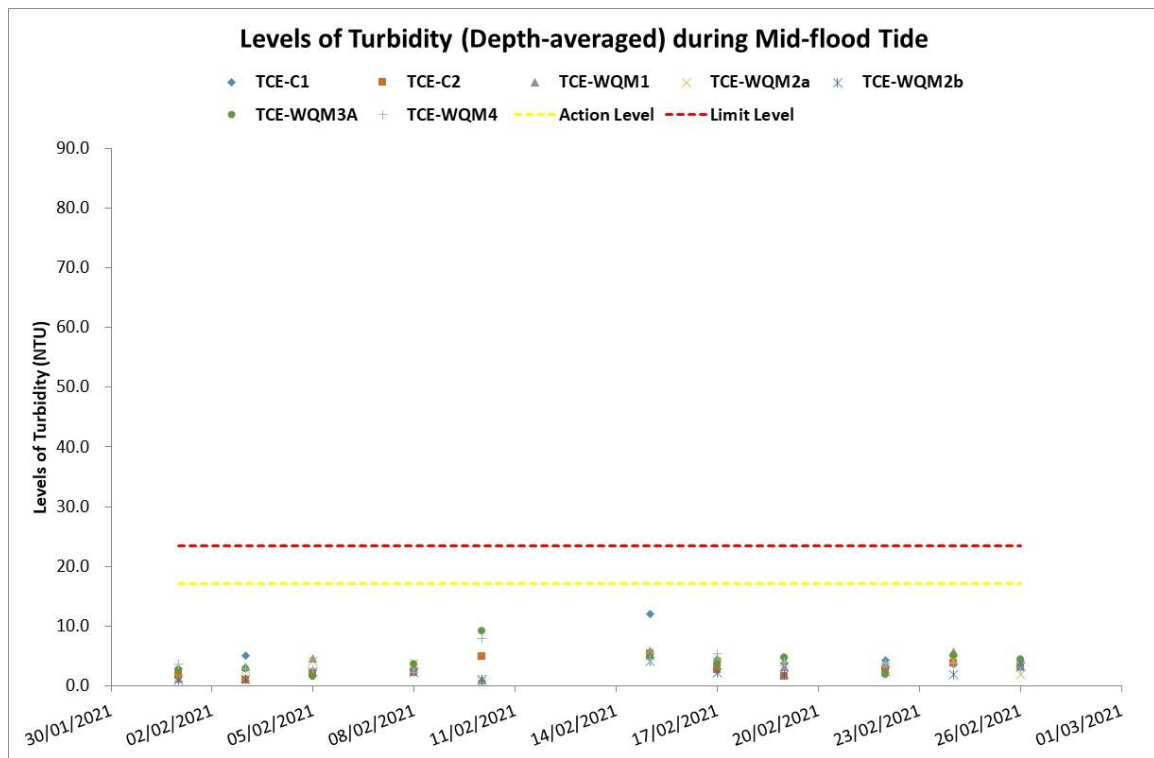


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 28 February 2021

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

Date: February 2021

**Environmental
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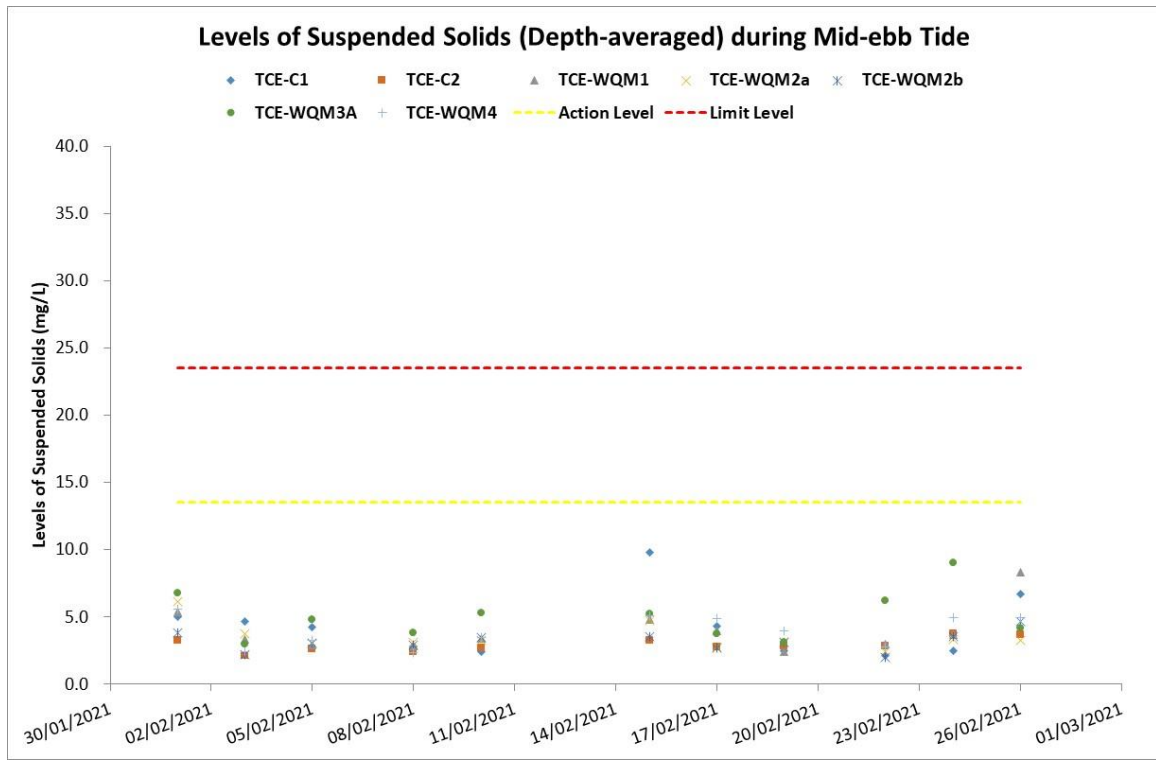


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 28 February 2021

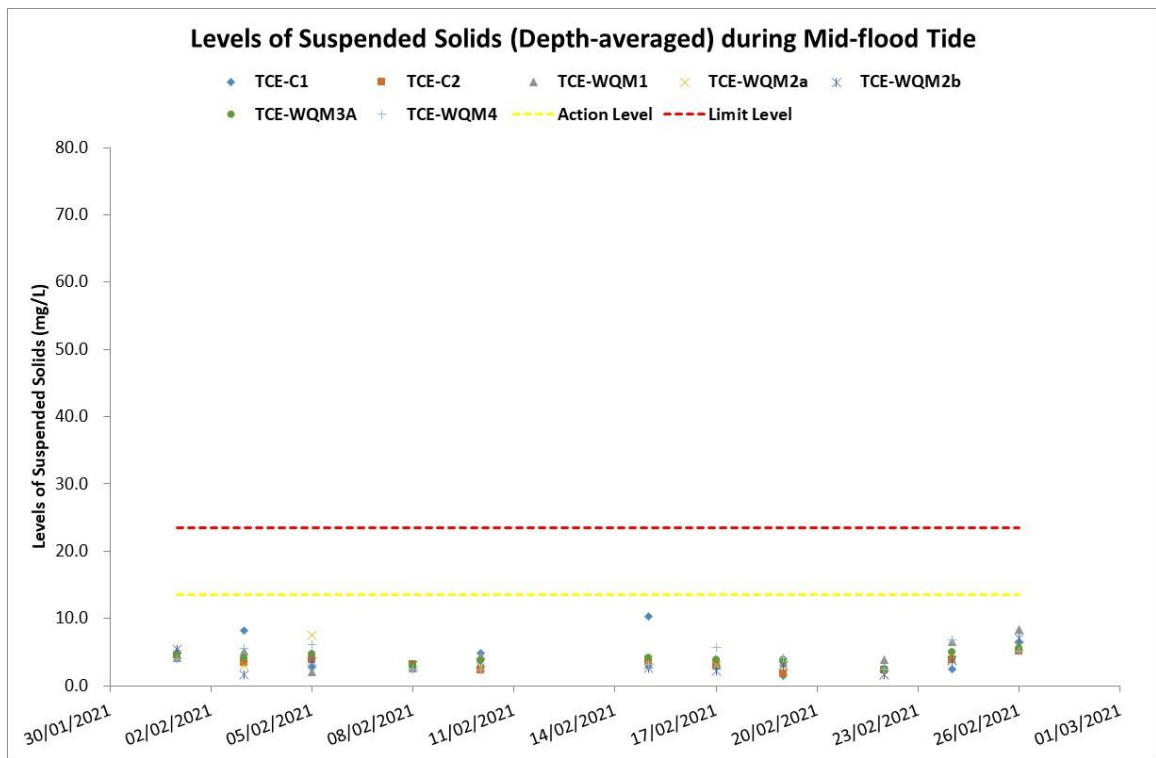


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 28 February 2021

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: February 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)					
01-02-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:55	8.0	Surface	1.0	1	18.2	8.4	29.6	9.6	121.3	1.5	6.1	9.2	3.1	5.0					
									2	18.1	8.4	29.6	9.6	121.0	1.7	6.5								
							Middle	4.0	1	18.0	8.3	30.5	8.8	111.5	4.1	4.8								
									2	18.0	8.3	30.6	8.8	111.2	4.6	4.9								
				Bottom	7.0	1	18.0	8.3	30.7	8.6	109.6	3.3	3.8	8.6										
						2	18.0	8.3	30.7	8.6	109.5	3.4	4.0											
		TCE-C2	Sunny	Moderate	15:40	13.3	Surface	1.0	1	18.7	8.3	29.5	9.5				120.8	0.4	3.9	9.3	0.4	3.3		
									2	18.7	8.3	29.6	9.5				120.8	0.3	4.3					
							Middle	6.7	1	18.1	8.3	29.8	9.1	115.2	0.5	3.2								
									2	18.1	8.3	29.8	9.1	114.8	0.5	3.5								
				Bottom	12.3	1	18.1	8.3	29.9	8.9	112.1	0.4	2.2	8.8										
						2	18.1	8.3	29.9	8.8	112.0	0.4	2.4											
		TCE-WQM1	Cloudy	Calm	14:30	8.2	Surface	1.0	1	18.5	8.4	29.9	9.6				122.3	1.4	6.5	9.5	1.4	5.4		
									2	18.5	8.4	29.9	9.6				122.2	1.4	6.2					
							Middle	4.1	1	18.5	8.4	29.8	9.5	121.2	1.5	5.8								
									2	18.5	8.4	29.8	9.5	121.1	1.5	5.5								
				Bottom	7.2	1	18.6	8.4	29.8	9.3	118.8	1.3	4.4	9.3										
						2	18.6	8.4	29.8	9.3	118.6	1.3	4.0											
		TCE-WQM2a	Sunny	Moderate	15:06	7.0	Surface	1.0	1	18.8	8.3	29.5	9.7				124.0	1.2	7.0	9.5	3.2	6.2		
									2	18.8	8.3	29.5	9.7				124.0	1.2	7.3					
							Middle	3.5	1	18.4	8.3	29.5	9.4	118.9	3.4	6.2								
									2	18.4	8.3	29.5	9.3	118.6	3.5	5.8								
				Bottom	6.0	1	18.4	8.3	29.5	8.9	113.0	5.0	5.5	8.9										
						2	18.4	8.3	29.5	8.8	112.2	5.2	5.2											
		TCE-WQM2b	Sunny	Moderate	15:16	11.2	Surface	1.0	1	18.6	8.3	29.5	9.5				121.1	0.4	2.7	9.2	0.6	3.8		
									2	18.6	8.3	29.5	9.5				121.1	0.5	3.0					
							Middle	5.6	1	18.1	8.3	29.7	9.0	113.9	0.5	3.7								
									2	18.1	8.3	29.7	9.0	113.4	0.5	3.6								
				Bottom	10.2	1	18.1	8.3	29.9	8.7	110.0	0.7	4.8	8.7										
						2	18.1	8.3	29.9	8.7	109.7	0.7	5.1											
		TCE-WQM3A	Sunny	Calm	14:55	3.9	Surface	1.0	1	18.8	8.4	29.6	9.2				117.4	3.7	6.5	9.2	3.8	6.8		
									2	18.7	8.4	29.6	9.2				117.0	3.7	6.2					
							Bottom	2.9	1	18.7	8.4	29.6	9.1	115.8	3.9	7.5								
									2	18.7	8.4	29.6	9.0	115.6	3.9	7.0								
		TCE-WQM4	Sunny	Calm	14:48	3.5	Surface	1.0	1	19.1	8.3	29.7	9.6	123.1	1.1	4.4	9.6	1.1	5.6					
									2	19.1	8.3	29.7	9.6	123.1	1.1	4.8								
							Bottom	2.5	1	18.9	8.3	29.6	9.2	117.9	1.0	6.7								
									2	18.9	8.3	29.6	9.2	117.6	1.1	6.4								
		01-02-21	Mid-Flood	TCE-C1	Cloudy	Moderate	11:46	8.5	Surface	1.0	1	18.0	8.3	29.7	9.4	119.0	2.4	3.0	9.1	2.9	5.0			
											2	18.0	8.3	29.8	9.4	118.9	2.5	3.4						
									Middle	4.3	1	17.9	8.3	30.9	8.8	111.8	3.5	4.0						
											2	17.9	8.3	30.9	8.8	111.7	3.6	3.6						
						Bottom	7.5	1	17.9	8.3	31.1	8.7	110.6	2.8	7.8	8.7								
								2	17.9	8.3	31.1	8.7	110.5	2.7	8.0									
				TCE-C2	Cloudy	Moderate	9:55	13.2	Surface	1.0	1	18.0	8.2	29.9	8.8				111.7	0.8	5.4	8.7	1.8	4.5
											2	18.0	8.2	29.9	8.8				111.6	0.8	5.1			
									Middle	6.6	1	18.0	8.2	30.1	8.6	108.8	1.7	4.5						
											2	18.0	8.2	30.1	8.6	108.7	2.0	4.2						
				Bottom	12.2	1	18.0	8.2	30.1	8.6	108.2	2.7	3.7	8.6										
						2	18.0	8.2	30.1	8.6	108.1	2.9	3.9											
TCE-WQM1	Cloudy			Calm	11:00	8.2	Surface	1.0	1	18.2	8.3	29.7	8.8				111.2	1.2	3.8	8.7	1.3	4.1		
									2	18.2	8.3	29.7	8.8				111.3	1.2	3.4					
							Middle	4.1	1	18.2	8.3	29.7	8.7	110.3	1.3	4.0								
									2	18.2	8.3	29.7	8.7	110.2	1.2	4.2								
				Bottom	7.2	1	18.3	8.3	29.7	8.6	109.3	1.4	4.8	8.6										
						2	18.3	8.3	29.7	8.6	109.1	1.3	4.6											
TCE-WQM2a	Cloudy			Moderate	10:28	6.8	Surface	1.0	1	18.2	8.3	29.5	9.4				118.2	1.1	3.9	9.3	1.3	4.7		
									2	18.2	8.3	29.5	9.4				118.2	1.1	4.1					
							Middle	3.4	1	18.1	8.3	29.5	9.3	117.5	1.4	4.7								
									2	18.1	8.3	29.5	9.3	117.4	1.3	4.5								
				Bottom	5.8	1	18.1	8.3	29.5	9.2	116.6	1.4	5.4	9.2										
						2	18.1	8.3	29.5	9.2	116.4	1.3	5.8											
TCE-WQM2b	Cloudy			Moderate	10:17	11.0	Surface	1.0	1	18.2	8.3	29.4	9.5				119.5	0.9	7.0	9.4	1.0	5.4		
									2	18.2	8.3	29.4	9.5				119.5	0.9	6.5					
							Middle	5.5	1	18.2	8.3	29.4	9.4	118.8	0.9	5.4								
									2	18.2	8.3	29.4	9.4	118.6	1.0	5.1								
				Bottom	10.0	1	18.2	8.3	29.3	9.3	117.4	1.2	4.1	9.3										
						2	18.2	8.3	29.3	9.3	117.3	1.3	4.5											
TCE-WQM3A	Cloudy			Calm	10:39	3.8	Surface	1.0	1	18.2	8.3	29.6	9.3				117.1	4.4	3.8	9.2	2.7	4.5		
									2	18.2	8.3	29.6	9.2				116.9	4.1	3.4					
							Bottom	2.8	1	18.2	8.3	29.6	9.1	115.0	1.2	5.1								
									2	18.2	8.3	29.6	9.1	114.5	1.3	5.5								
TCE-WQM4	Cloudy			Calm	10:50	3.6	Surface	1.0	1	18.4	8.3	29.6	9.1	115.6	3.8	4.3	9.1	3.7	4.1					
									2	18.3	8.3	29.6	9.1	115.4	3.8	4.3								
							Bottom	2.6	1	18.3	8.3	29.7	8.9	112.6	3.6	3.6								
									2	18.3	8.3	29.7	8.8	112.2	3.6	4.0								

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

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
03-02-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:32	8.2	Surface	1.0	1	18.2	8.3	31.1	8.9	113.8	5.5	4.1	8.9	10.7	4.7							
									2	18.1	8.3	31.1	8.9	113.6	6.2	4.3										
							Middle	4.1	1	18.1	8.3	31.2	8.9	113.1	7.0	4.4										
									2	18.1	8.3	31.2	8.9	113.1	6.8	4.7										
							Bottom	7.2	1	18.0	8.3	31.3	8.8	111.8	19.8	5.2										
									2	18.0	8.3	31.3	8.8	111.8	19.2	5.5										
		TCE-C2	Cloudy	Moderate	17:36	13.0	Surface	1.0	1	18.7	8.3	29.9	8.8	112.8	1.1	1.5	8.6	1.1	2.1							
									2	18.7	8.3	29.9	8.8	112.7	1.1	1.7										
							Middle	6.5	1	18.2	8.2	30.3	8.4	106.4	1.2	2.1										
									2	18.2	8.2	30.3	8.4	106.4	1.2	2.2										
							Bottom	12.0	1	18.2	8.2	30.4	8.3	105.5	1.0	2.8										
									2	18.2	8.3	30.4	8.3	105.5	1.0	2.4										
		TCE-WQM1	Cloudy	Calm	16:10	8.1	Surface	1.0	1	18.8	8.3	29.5	8.4	106.9	2.1	3.6	8.3	2.2	3.3							
									2	18.8	8.3	29.5	8.4	106.8	2.0	3.7										
							Middle	4.1	1	18.8	8.3	29.5	8.3	106.6	2.3	3.3										
									2	18.8	8.3	29.5	8.3	106.6	2.3	3.5										
							Bottom	7.1	1	18.8	8.3	29.5	8.3	105.8	2.3	3.1										
									2	18.8	8.3	29.5	8.3	105.7	2.4	2.7										
		TCE-WQM2a	Cloudy	Moderate	16:46	6.9	Surface	1.0	1	18.7	8.3	29.2	8.9	113.6	1.9	5.3	8.9	1.9	3.8							
									2	18.7	8.3	29.2	8.9	113.6	1.9	4.9										
							Middle	3.5	1	18.6	8.3	29.2	8.9	112.7	2.2	3.4										
									2	18.6	8.3	29.2	8.8	112.6	2.2	3.3										
							Bottom	5.9	1	18.5	8.3	29.5	8.6	109.8	1.7	2.8										
									2	18.5	8.3	29.5	8.6	109.7	1.7	3.0										
	TCE-WQM2b	Cloudy	Moderate	17:03	10.8	Surface	1.0	1	18.7	8.3	29.5	9.0	114.6	1.0	1.5	8.9	1.0	2.2								
								2	18.6	8.3	29.5	9.0	114.5	1.0	1.7											
						Middle	5.4	1	18.5	8.3	29.7	8.8	112.6	1.1	2.1											
								2	18.5	8.3	29.7	8.8	112.5	1.0	2.4											
						Bottom	9.8	1	18.5	8.3	29.7	8.7	111.3	1.0	2.7											
								2	18.5	8.3	29.7	8.7	111.2	1.0	2.9											
	TCE-WQM3A	Cloudy	Calm	16:35	3.9	Surface	1.0	1	18.9	8.3	29.2	8.9	114.1	1.5	2.3	8.9	2.9	3.0								
								2	18.9	8.3	29.2	8.9	114.0	1.5	2.1											
						Bottom	2.9	1	18.9	8.3	29.3	8.7	111.4	4.7	3.8											
								2	18.9	8.3	29.3	8.7	111.3	4.0	3.6											
						TCE-WQM4	Cloudy	Calm	16:25	3.4	Surface	1.0	1	18.8	8.3				29.3	8.9	113.3	1.5	2.2	8.8	1.6	2.5
												2	18.8	8.3	29.3				8.8	113.1	1.6	2.0				
	Bottom	2.4	1	18.8	8.3	29.3					8.7	110.7	1.6	2.7												
			2	18.8	8.3	29.3					8.7	110.5	1.6	2.9												
	TCE-C1	Cloudy	Moderate	11:56	8.2	Surface					1.0	1	18.2	8.3	30.7	9.0	114.9	4.0	6.6	8.9	5.1	8.3				
											2	18.2	8.3	30.7	9.0	114.4	3.9	6.2								
	Middle					4.1	1	18.0	8.3	31.0	8.8	111.9	5.2	7.2												
							2	18.0	8.3	31.0	8.8	111.7	5.4	7.3												
	Bottom					7.2	1	18.0	8.3	31.1	8.7	110.7	6.0	11.3												
							2	18.0	8.3	31.1	8.7	110.6	5.9	11.0												
	TCE-C2	Cloudy	Moderate	9:39	13.2	Surface	1.0	1	18.4	8.2	29.2	8.7	109.8	0.9	2.5	8.6	0.9	3.5								
								2	18.4	8.2	29.3	8.7	109.7	0.9	2.3											
						Middle	6.6	1	18.4	8.2	29.5	8.5	108.2	0.9	3.5											
								2	18.4	8.2	29.5	8.5	108.2	0.9	3.7											
Bottom						12.2	1	18.4	8.2	29.5	8.5	107.6	0.9	4.2												
							2	18.4	8.2	29.5	8.5	107.5	1.0	4.5												
TCE-WQM1	Cloudy	Calm	10:58	8.0	Surface	1.0	1	18.6	8.2	29.4	8.3	105.9	1.8	2.6	8.3	3.2	5.1									
							2	18.6	8.2	29.4	8.3	105.8	1.9	2.5												
					Middle	4.0	1	18.6	8.2	29.5	8.3	105.5	3.2	4.6												
							2	18.6	8.2	29.5	8.3	105.4	3.4	4.6												
					Bottom	7.0	1	18.7	8.2	29.5	8.3	105.2	4.5	8.0												
							2	18.7	8.2	29.5	8.2	105.2	4.5	8.3												
TCE-WQM2a	Cloudy	Moderate	10:20	6.9	Surface	1.0	1	18.5	8.3	29.2	8.6	109.8	1.2	2.2	8.6	1.5	3.0									
							2	18.5	8.3	29.2	8.6	109.8	1.2	2.5												
					Middle	3.5	1	18.5	8.3	29.2	8.6	109.6	1.3	2.8												
							2	18.5	8.3	29.2	8.6	109.6	1.4	2.9												
					Bottom	5.9	1	18.4	8.3	29.3	8.6	108.9	2.1	3.6												
							2	18.4	8.3	29.3	8.6	108.7	2.1	3.8												
TCE-WQM2b	Cloudy	Moderate	10:05	10.8	Surface	1.0	1	18.5	8.3	29.1	8.7	110.7	0.9	1.9	8.7	1.2	1.6									
							2	18.5	8.3	29.1	8.7	110.7	1.0	1.9												
					Middle	5.4	1	18.4	8.3	29.2	8.7	110.0	1.3	1.5												
							2	18.4	8.3	29.2	8.7	109.9	1.3	1.7												
					Bottom	9.8	1	18.4	8.3	29.2	8.6	108.9	1.2	1.4												
							2	18.4	8.3	29.2	8.6	108.8	1.2	1.3												
TCE-WQM3A	Cloudy	Calm	10:33	3.8	Surface	1.0	1	18.5	8.3	29.3	8.7	110.2	2.5	3.6	8.7	2.9	4.1									
							2	18.5	8.3	29.3	8.7	110.1	2.5	3.4												
					Bottom	2.8	1	18.4	8.3	29.4	8.6	109.1	3.3	4.9												
							2	18.4	8.3	29.4	8.6	108.8	3.1	4.5												
					TCE-WQM4	Cloudy	Calm	10:45	3.5	Surface	1.0	1	18.6	8.3				29.4	8.6	109.6	2.7	5.3	8.6	2.9	5.5	
											2	18.6	8.3	29.4				8.6	109.5	2.8	5.0					
Bottom	2.5	1	18.6	8.3	29.4					8.5	107.6	3.0	5.9													
		2	18.6	8.3	29.4					8.4	107.5	2.9	5.7													

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)				
05-02-21	Mid-Ebb	TCE-C1	Sunny	Moderate	7:59	7.5	Surface	1.0	1	18.6	8.3	29.7	9.2	117.0	2.0	3.6	9.1	3.3	4.3				
							Middle	3.8	1	18.5	8.3	30.5	9.0	115.3	3.1	4.3							
							Bottom	6.5	1	18.5	8.3	30.5	9.0	114.9	3.2	4.5							
		TCE-C2	Fine	Calm	5:51	11.4	Surface	1.0	1	18.4	8.2	29.2	8.6	108.6	1.4	2.0	8.6	2.5	2.6				
							Middle	5.7	1	18.5	8.2	29.5	8.6	108.9	2.6	2.6							
							Bottom	10.4	1	18.6	8.2	29.8	8.5	107.8	3.4	3.1							
		TCE-WQM1	Sunny	Moderate	7:16	8.1	Surface	1.0	1	18.5	8.3	29.4	8.1	103.6	2.9	2.4	8.1	4.2	2.9				
							Middle	4.1	1	18.5	8.3	29.5	8.1	103.5	4.4	3.2							
							Bottom	7.1	1	18.6	8.3	29.7	8.1	103.3	5.1	3.4							
		TCE-WQM2a	Fine	Moderate	6:42	7.0	Surface	1.0	1	18.6	8.3	29.0	8.5	108.4	2.2	3.4	8.4	3.5	3.0				
							Middle	3.5	1	18.6	8.3	29.2	8.3	106.1	3.8	3.1							
							Bottom	6.0	1	18.6	8.3	29.4	8.2	104.9	4.3	2.4							
		TCE-WQM2b	Fine	Moderate	6:25	10.0	Surface	1.0	1	18.6	8.3	28.9	8.6	109.0	1.2	3.3	8.5	2.8	3.0				
							Middle	5.0	1	18.6	8.3	29.1	8.5	108.3	3.2	3.2							
							Bottom	9.0	1	18.6	8.3	29.1	8.5	108.1	3.3	2.8							
		TCE-WQM3A	Sunny	Calm	6:55	3.6	Surface	1.0	1	18.6	8.3	29.3	8.0	102.4	2.9	5.3	8.0	4.2	4.8				
							Bottom	2.6	1	18.6	8.3	29.3	7.9	101.1	5.4	4.4							
		TCE-WQM4	Sunny	Calm	7:04	3.5	Surface	1.0	1	18.6	8.3	29.3	8.2	104.2	2.8	2.6	8.2	2.9	3.3				
							Bottom	2.5	1	18.6	8.3	29.3	8.1	103.4	3.0	3.8							
		05-02-21	Mid-Flood	TCE-C1	Sunny	Moderate	11:02	7.6	Surface	1.0	1	18.7	8.4	29.7	9.3	118.6	1.0	2.5	9.2	2.5	2.8		
									Middle	3.8	1	18.5	8.4	30.6	9.1	116.6	2.3	2.7					
									Bottom	6.6	1	18.5	8.3	30.7	9.1	116.4	2.6	2.4					
				TCE-C2	Sunny	Moderate	13:11	11.8	Surface	1.0	1	18.6	8.3	30.0	8.6	110.2	1.4	2.6	8.5	2.3	3.8		
									Middle	5.9	1	18.5	8.3	30.2	8.5	108.1	2.2	3.4					
									Bottom	10.8	1	18.5	8.3	30.2	8.5	108.0	2.2	3.7					
				TCE-WQM1	Sunny	Moderate	11:45	8.2	Surface	1.0	1	18.8	8.3	29.4	8.5	108.2	3.4	1.4	8.4	4.6	2.0		
									Middle	4.1	1	18.8	8.3	29.7	8.4	107.1	4.6	1.6					
									Bottom	7.2	1	18.9	8.4	29.8	8.3	107.0	4.7	1.9					
				TCE-WQM2a	Sunny	Moderate	12:25	6.9	Surface	1.0	1	18.9	8.4	29.1	8.9	113.9	2.8	4.5	8.9	4.2	7.5		
									Middle	3.5	1	18.9	8.3	29.1	8.8	112.6	4.1	7.9					
									Bottom	5.9	1	18.9	8.3	29.1	8.8	112.4	4.7	8.9					
				TCE-WQM2b	Sunny	Moderate	12:38	10.2	Surface	1.0	1	18.9	8.3	29.3	9.1	115.9	1.4	2.2	9.1	2.3	3.6		
									Middle	5.1	1	18.8	8.3	29.3	9.1	115.8	2.3	4.0					
									Bottom	9.2	1	18.8	8.4	29.3	9.1	115.7	2.3	3.5					
TCE-WQM3A	Sunny			Calm	12:12	3.6	Surface	1.0	1	18.8	8.4	29.0	9.1	115.7	1.4	4.3	9.1	1.6	4.7				
							Bottom	2.6	1	18.9	8.4	29.0	8.9	114.3	1.7	5.0							
TCE-WQM4	Sunny			Calm	12:00	3.5	Surface	1.0	1	18.9	8.3	29.1	8.8	111.9	2.9	5.4	8.7	2.8	6.1				
							Bottom	2.5	1	18.9	8.3	29.1	8.7	111.6	2.9	5.8							

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
08-02-21	Mid-Ebb	TCE-C1	Fine	Moderate	12:00	7.7	Surface	1.0	1	19.3	8.4	29.0	11.1	142.4	2.8	2.2	10.8	3.8	2.8								
									2	19.3	8.4	29.0	11.0	142.1	2.8	3.4											
							Middle	3.9	1	19.1	8.4	29.5	10.5	135.1	3.5	3.0											
									2	19.1	8.4	29.6	10.5	134.8	3.6	3.4											
							Bottom	6.7	1	19.1	8.4	30.1	10.1	130.7	5.1	2.3											
									2	19.1	8.4	30.1	10.1	130.5	5.2	2.4											
		TCE-C2	Fine	Moderate	9:54	14.9	Surface	1.0	1	19.0	8.3	29.9	9.3	119.9	2.0	1.9	9.1	2.0	2.4								
									2	19.0	8.3	29.9	9.3	119.8	2.0	1.9											
							Middle	7.5	1	18.7	8.3	30.3	8.8	113.2	2.0	2.6											
									2	18.7	8.3	30.3	8.8	113.1	2.0	2.6											
							Bottom	13.9	1	18.8	8.3	30.4	8.7	111.8	2.1	2.5											
									2	18.8	8.3	30.4	8.7	111.8	2.1	3.1											
		TCE-WQM1	Fine	Calm	11:14	8.6	Surface	1.0	1	19.6	8.4	29.3	9.3	120.1	3.1	2.0	9.2	3.2	2.8								
									2	19.6	8.4	29.3	9.3	120.1	3.1	2.8											
							Middle	4.3	1	19.6	8.4	29.3	9.2	119.6	3.1	3.4											
									2	19.6	8.4	29.3	9.2	119.6	3.1	2.7											
							Bottom	7.6	1	19.6	8.4	29.4	9.2	118.9	3.3	3.3											
									2	19.6	8.4	29.4	9.2	118.9	3.3	2.8											
		TCE-WQM2a	Fine	Moderate	10:38	7.0	Surface	1.0	1	19.4	8.4	28.9	9.7	125.3	2.3	2.7	9.5	3.1	3.1								
									2	19.4	8.4	28.9	9.7	125.3	2.3	2.8											
							Middle	3.5	1	19.1	8.4	29.3	9.4	120.3	2.8	2.3											
									2	19.1	8.4	29.3	9.3	119.9	3.0	3.3											
							Bottom	6.0	1	19.1	8.4	29.5	9.2	118.3	4.1	3.4											
									2	19.1	8.4	29.4	9.2	118.3	4.3	4.2											
		TCE-WQM2b	Fine	Moderate	10:24	11.6	Surface	1.0	1	19.3	8.4	29.1	9.6	123.1	2.3	4.0	9.4	2.3	2.9								
									2	19.3	8.4	29.1	9.5	122.9	2.3	3.2											
							Middle	5.8	1	19.1	8.3	29.4	9.2	118.4	2.3	2.4											
									2	19.1	8.3	29.4	9.2	118.1	2.3	2.9											
							Bottom	10.6	1	18.9	8.3	29.9	8.9	114.3	2.3	1.7											
									2	18.9	8.3	29.9	8.9	114.4	2.3	3.1											
		TCE-WQM3A	Fine	Calm	10:49	3.7	Surface	1.0	1	19.4	8.4	28.8	9.7	125.0	4.0	3.3	9.7	4.0	3.9								
									2	19.4	8.4	28.8	9.7	124.9	4.0	4.0											
							Bottom	2.7	1	19.4	8.4	28.9	9.6	123.8	4.0	3.9											
									2	19.4	8.4	28.9	9.6	123.7	4.0	4.2											
							TCE-WQM4	Fine	Calm	11:00	3.1	Surface	1.0	1	19.5	8.4				29.2	9.5	122.3	3.0	2.9	9.5	3.9	2.4
													2	19.5	8.4	29.2				9.5	122.4	2.9	2.2				
		Bottom	2.1	1	19.5	8.4	29.2					9.6	123.6	5.0	1.8												
				2	19.5	8.4	29.2					9.6	123.6	4.9	2.6												
		TCE-C1	Fine	Moderate	14:01	7.6	Surface					1.0	1	19.3	8.5	28.9	11.4	147.2	2.7	3.9	11.0	2.9	2.9				
												2	19.3	8.4	28.9	11.4	147.0	2.7	3.4								
		Middle					3.8	1	19.1	8.4	29.5	10.6	136.2	2.8	2.9												
								2	19.1	8.4	29.5	10.6	136.2	2.8	3.1												
		Bottom					6.6	1	19.1	8.4	29.9	10.5	134.9	3.2	2.1												
								2	19.1	8.4	29.9	10.5	134.8	3.2	1.9												
		TCE-C2	Fine	Moderate	16:18	15.2	Surface	1.0	1	19.4	8.4	29.9	9.8	127.2	2.2	3.0	9.6	2.2	3.2								
									2	19.4	8.4	29.9	9.8	127.0	2.2	4.0											
							Middle	7.6	1	19.1	8.3	30.1	9.5	122.6	2.1	3.4											
									2	19.1	8.3	30.1	9.5	122.4	2.1	2.9											
Bottom	14.2						1	19.1	8.4	30.2	9.3	120.0	2.3	3.0													
							2	19.1	8.4	30.2	9.3	120.0	2.3	3.0													
TCE-WQM1	Fine	Calm	14:57	8.8	Surface	1.0	1	19.9	8.4	29.3	9.7	126.2	2.9	2.6	9.8	2.9	2.6										
							2	19.8	8.4	29.3	9.7	126.5	2.9	3.5													
					Middle	4.4	1	19.6	8.4	29.3	9.8	127.3	2.9	1.7													
							2	19.6	8.4	29.3	9.8	127.3	2.9	2.5													
					Bottom	7.8	1	19.6	8.4	29.2	9.7	126.0	2.9	2.7													
							2	19.6	8.4	29.2	9.7	125.9	2.9	2.4													
TCE-WQM2a	Fine	Moderate	15:31	7.1	Surface	1.0	1	19.7	8.4	29.1	9.5	123.7	3.0	2.7	9.6	3.9	3.0										
							2	19.7	8.4	29.1	9.5	123.7	3.0	2.4													
					Middle	3.6	1	19.6	8.4	29.1	9.6	124.2	3.9	3.2													
							2	19.6	8.4	29.1	9.6	124.5	4.0	2.8													
					Bottom	6.1	1	19.3	8.4	29.3	9.7	124.5	4.8	3.6													
							2	19.3	8.4	29.3	9.6	124.3	4.8	3.2													
TCE-WQM2b	Fine	Moderate	15:46	11.9	Surface	1.0	1	19.6	8.4	29.2	9.7	125.6	2.1	2.7	9.6	2.3	3.1										
							2	19.6	8.4	29.3	9.7	125.5	2.2	3.2													
					Middle	6.0	1	19.4	8.4	29.4	9.6	123.5	2.1	3.1													
							2	19.4	8.4	29.4	9.5	123.4	2.1	2.9													
					Bottom	10.9	1	18.9	8.3	30.0	9.0	115.5	2.6	2.7													
							2	18.9	8.3	30.0	9.0	115.8	2.6	3.7													
TCE-WQM3A	Fine	Calm	15:22	4.0	Surface	1.0	1	19.7	8.4	28.8	10.0	129.0	3.5	2.7	10.0	3.6	2.9										
							2	19.7	8.4	28.8	10.0	129.0	3.6	3.5													
					Bottom	3.0	1	19.7	8.4	28.8	9.9	128.5	3.7	2.5													
							2	19.7	8.4	28.8	9.9	128.4	3.7	2.8													
					TCE-WQM4	Fine	Calm	15:11	3.3	Surface	1.0	1	19.8	8.4				29.1	9.5	123.5	2.1	2.1	9.5	2.2	2.4		
											2	19.8	8.4	29.1				9.5	123.5	2.1	2.0						
Bottom	2.3	1	19.8	8.4	29.1					9.5	123.2	2.2	3.1														
		2	19.8	8.4	29.1					9.5	123.2	2.3	2.5														

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)					
10-02-21	Mid-Ebb	TCE-C1	Rainy	Rough	10:55	8.4	Surface	1.0	1	18.5	8.3	29.2	7.9	100.1	6.0	2.6	7.9	5.7	2.4					
									2	18.5	8.3	29.3	7.9	100.5	5.9	2.6								
							Middle	4.2	1	18.5	8.3	29.8	7.9	101.0	5.7	2.6								
									2	18.5	8.3	29.8	7.9	100.9	5.7	2.4								
				Bottom	7.4	1	18.5	8.3	29.9	7.9	100.5	5.5	2.3	7.9										
						2	18.5	8.3	29.9	7.9	100.4	5.6	2.1											
		TCE-C2	Rainy	Moderate	12:54	12.4	Surface	1.0	1	18.8	8.3	29.7	8.6				110.5	5.1	2.1	8.4	5.0	2.7		
									2	18.8	8.3	29.7	8.6				110.4	5.0	2.3					
							Middle	6.2	1	18.7	8.3	30.4	8.1	104.0	5.0	2.5								
									2	18.7	8.3	30.5	8.1	103.8	5.0	2.7								
				Bottom	11.4	1	18.6	8.3	30.5	8.1	104.3	5.0	3.5	8.1										
						2	18.7	8.3	30.4	8.2	104.5	5.0	3.3											
		TCE-WQM1	Rainy	Moderate	11:39	8.1	Surface	1.0	1	18.7	8.3	29.0	7.8				98.9	5.8	4.0	7.8	6.0	3.4		
									2	18.7	8.3	29.1	7.8				98.9	5.7	3.7					
							Middle	4.1	1	18.6	8.3	29.3	7.7	98.6	5.9	3.3								
									2	18.6	8.3	29.3	7.7	98.6	6.0	3.6								
				Bottom	7.1	1	18.6	8.3	29.3	7.7	98.4	6.2	3.0	7.7										
						2	18.6	8.3	29.3	7.7	98.4	6.3	3.0											
		TCE-WQM2a	Rainy	Moderate	12:16	7.0	Surface	1.0	1	18.9	8.4	29.3	8.3				105.6	6.8	4.1	8.2	8.9	3.3		
									2	18.9	8.4	29.3	8.3				105.6	6.8	4.2					
							Middle	3.5	1	18.9	8.3	29.4	8.2	104.9	8.8	3.3								
									2	18.9	8.3	29.4	8.2	104.7	8.9	3.0								
				Bottom	6.0	1	18.8	8.3	29.4	8.1	104.0	10.3	2.8	8.1										
						2	18.8	8.3	29.4	8.1	104.0	11.9	2.4											
		TCE-WQM2b	Rainy	Moderate	12:29	10.7	Surface	1.0	1	18.9	8.3	29.4	8.5				108.9	5.0	3.2	8.4	5.1	3.5		
									2	18.9	8.3	29.4	8.5				108.8	5.0	2.8					
							Middle	5.4	1	19.0	8.3	29.6	8.4	107.6	5.2	3.6								
									2	19.0	8.3	29.7	8.4	107.5	5.2	3.4								
				Bottom	9.7	1	18.9	8.3	29.9	8.2	105.4	5.2	3.7	8.2										
						2	18.9	8.3	29.8	8.2	105.4	5.2	4.0											
		TCE-WQM3A	Rainy	Moderate	12:06	4.2	Surface	1.0	1	18.7	8.4	29.3	8.0				101.4	9.6	6.0	8.0	8.7	5.3		
									2	18.7	8.4	29.3	8.0				101.4	9.5	5.7					
							Bottom	3.2	1	18.7	8.4	29.3	8.0	101.3	8.3	4.9								
									2	18.7	8.4	29.3	8.0	101.3	7.3	4.7								
		TCE-WQM4	Rainy	Moderate	11:55	3.4	Surface	1.0	1	18.8	8.3	29.3	8.1	103.7	6.9	2.7	8.1	7.1	3.5					
									2	18.8	8.3	29.2	8.1	103.6	7.0	3.0								
							Bottom	2.4	1	18.7	8.3	29.2	8.1	103.3	7.2	4.2								
									2	18.7	8.3	29.2	8.1	103.2	7.2	3.9								
		10-02-21	Mid-Flood	TCE-C1	Rainy	Rough	9:08	8.6	Surface	1.0	1	18.5	8.3	29.2	7.9	100.2	1.2	6.4	7.9	0.8	4.8			
											2	18.5	8.3	29.3	7.9	100.8	1.0	6.2						
									Middle	4.3	1	18.5	8.3	29.9	8.0	101.3	0.8	4.3						
											2	18.5	8.3	29.9	7.9	101.2	0.8	4.5						
						Bottom	7.6	1	18.5	8.3	29.9	7.9	100.6	0.6	3.9	7.9								
								2	18.5	8.3	29.9	7.9	100.6	0.6	3.6									
				TCE-C2	Rainy	Rough	7:11	12.4	Surface	1.0	1	19.0	8.3	29.4	8.4				107.6	0.8	3.2	8.4	5.0	2.3
											2	19.0	8.3	29.4	8.4				107.5	0.9	3.0			
									Middle	6.2	1	19.0	8.3	29.4	8.3	107.1	4.4	2.4						
											2	19.0	8.3	29.4	8.3	106.9	4.9	2.7						
				Bottom	11.4	1	19.0	8.3	29.4	8.2	105.7	9.3	1.1	8.2										
						2	19.0	8.3	29.4	8.2	105.6	9.7	1.2											
TCE-WQM1	Rainy			Moderate	8:24	8.2	Surface	1.0	1	18.7	8.3	29.3	7.9				100.8	0.8	6.4	7.9	0.9	4.4		
									2	18.7	8.3	29.3	7.9				100.7	0.8	6.1					
							Middle	4.1	1	18.7	8.3	29.3	7.9	100.4	0.9	4.3								
									2	18.7	8.3	29.3	7.9	100.4	0.9	4.1								
				Bottom	7.2	1	18.6	8.3	29.3	7.9	100.3	1.1	2.9	7.9										
						2	18.6	8.3	29.3	7.9	100.5	1.0	2.7											
TCE-WQM2a	Rainy			Moderate	7:49	7.2	Surface	1.0	1	18.9	8.3	29.3	8.4				107.7	0.2	2.3	8.4	0.7	2.7		
									2	18.9	8.3	29.3	8.4				107.7	0.2	2.1					
							Middle	3.6	1	19.0	8.3	29.4	8.4	107.8	1.1	2.4								
									2	19.0	8.3	29.4	8.4	107.8	1.1	2.4								
				Bottom	6.2	1	19.0	8.3	29.4	8.4	107.7	1.0	3.6	8.4										
						2	19.0	8.3	29.4	8.4	107.7	0.8	3.4											
TCE-WQM2b	Rainy			Moderate	7:34	10.6	Surface	1.0	1	19.0	8.3	29.4	8.4				107.7	0.5	2.2	8.4	1.1	3.5		
									2	19.0	8.3	29.4	8.4				107.7	0.6	2.4					
							Middle	5.3	1	19.0	8.3	29.4	8.4	107.6	1.2	3.1								
									2	19.0	8.3	29.4	8.4	107.6	1.3	2.9								
				Bottom	9.6	1	19.0	8.3	29.4	8.4	107.6	1.4	5.0	8.4										
						2	19.0	8.3	29.4	8.4	107.6	1.4	5.2											
TCE-WQM3A	Rainy			Moderate	7:58	4.2	Surface	1.0	1	18.8	8.3	29.3	8.2				105.2	5.3	4.3	8.2	9.2	3.7		
									2	18.8	8.3	29.3	8.2				105.1	5.9	4.2					
							Bottom	3.2	1	18.8	8.3	29.4	8.2	104.4	13.1	2.9								
									2	18.8	8.3	29.4	8.2	104.3	12.6	3.3								
TCE-WQM4	Rainy			Moderate	8:13	3.2	Surface	1.0	1	18.9	8.3	29.3	8.3	105.6	6.7	1.6	8.2	7.9	2.3					
									2	18.9	8.3	29.3	8.2	105.5	7.7	1.6								
							Bottom	2.2	1	18.9	8.3	29.4	8.2	105.5	8.7	3.0								
									2	18.9	8.3	29.4	8.2	105.5	8.5	2.8								

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)			
15-02-21	Mid-Ebb	TCE-C1	Sunny	Moderate	13:53	7.9	Surface	1.0	1	19.1	8.3	29.7	8.6	110.3	9.7	10.5	8.5	13.4	9.8			
									2	19.1	8.3	29.7	8.6	110.2	10.0	10.1						
							Middle	4.0	1	19.0	8.2	30.0	8.4	107.6	12.7	10.2						
									2	19.0	8.2	30.0	8.4	107.6	12.9	9.9						
							Bottom	6.9	1	19.0	8.2	30.1	8.3	106.7	17.5	8.5						
									2	19.0	8.2	30.1	8.3	106.7	17.7	9.5						
		TCE-C2	Sunny	Moderate	16:32	13.8	Surface	1.0	1	19.7	8.3	29.6	8.6	112.4	4.0	2.9	8.2	4.1	3.3			
									2	19.7	8.3	29.6	8.6	112.3	4.0	3.1						
							Middle	6.9	1	19.0	8.2	30.3	7.8	100.2	4.1	2.8						
									2	19.0	8.2	30.3	7.8	100.2	4.1	3.3						
							Bottom	12.8	1	19.0	8.2	30.3	7.7	99.0	4.1	3.7						
									2	19.0	8.2	30.3	7.7	99.0	4.1	4.0						
		TCE-WQM1	Sunny	Moderate	15:20	8.1	Surface	1.0	1	19.6	8.3	29.4	8.4	109.5	5.0	5.5	8.4	5.0	4.8			
									2	19.6	8.3	29.4	8.4	109.4	5.0	6.2						
							Middle	4.1	1	19.6	8.3	29.4	8.4	108.5	5.0	5.5						
									2	19.6	8.3	29.4	8.4	108.4	5.0	4.7						
							Bottom	7.1	1	19.6	8.3	29.4	8.3	107.3	5.1	3.2						
									2	19.6	8.3	29.4	8.3	107.2	5.1	3.7						
		TCE-WQM2a	Sunny	Calm	15:51	7.0	Surface	1.0	1	19.5	8.3	29.0	9.3	120.4	4.7	5.5	9.3	5.8	4.7			
									2	19.5	8.3	29.0	9.3	120.4	4.7	4.6						
							Middle	3.5	1	19.5	8.3	29.0	9.3	119.8	4.5	5.0						
									2	19.5	8.3	29.0	9.3	119.7	4.5	4.4						
							Bottom	6.0	1	19.5	8.3	29.0	9.1	117.1	8.2	4.0						
									2	19.5	8.3	29.0	9.0	116.9	8.3	4.8						
		TCE-WQM2b	Sunny	Calm	16:04	11.2	Surface	1.0	1	19.5	8.3	29.1	8.9	115.5	4.4	3.8	8.9	4.5	3.6			
									2	19.5	8.3	29.1	8.9	115.5	4.5	4.0						
							Middle	5.6	1	19.5	8.3	29.1	8.9	114.9	4.5	3.6						
									2	19.5	8.3	29.1	8.9	114.8	4.5	3.4						
							Bottom	10.2	1	19.3	8.3	29.3	8.6	110.6	4.5	3.0						
									2	19.3	8.3	29.4	8.5	110.3	4.8	3.6						
		TCE-WQM3A	Sunny	Calm	15:41	3.5	Surface	1.0	1	19.7	8.3	29.0	9.5	123.4	4.1	3.8	9.5	4.2	5.2			
									2	19.7	8.3	29.0	9.5	123.3	4.2	4.5						
							Bottom	2.5	1	19.6	8.3	29.2	9.2	119.3	4.4	5.9						
									2	19.6	8.3	29.2	9.2	119.1	4.3	6.6						
							Surface	1.0	1	19.7	8.3	29.3	9.0	116.7	5.6	4.7				9.0	5.0	5.1
									2	19.7	8.3	29.3	9.0	116.5	5.6	4.8						
		Bottom	2.3	1	19.7	8.3	29.4	8.8	114.6	4.4	5.4											
				2	19.7	8.3	29.3	8.8	114.3	4.5	5.4											
		Surface	1.0	1	19.0	8.2	30.0	8.4	107.8	7.7	12.3	8.3	12.0	10.4								
				2	19.0	8.2	30.0	8.4	107.8	7.8	13.0											
		Middle	4.3	1	19.0	8.2	30.0	8.3	107.2	11.8	9.4											
				2	19.0	8.2	30.0	8.3	107.2	12.1	10.3											
		Bottom	7.6	1	19.0	8.2	30.0	8.3	107.0	16.4	8.8											
				2	19.0	8.2	30.0	8.3	107.0	16.2	8.4											
		TCE-C2	Sunny	Moderate	8:21	13.7	Surface	1.0	1	19.3	8.3	29.1	8.7	112.1	4.0	4.9	8.6	5.3	3.8			
									2	19.3	8.3	29.1	8.7	112.1	3.9	4.2						
							Middle	6.9	1	19.3	8.2	29.2	8.5	109.9	4.4	3.2						
									2	19.3	8.2	29.2	8.5	109.9	4.4	4.1						
Bottom	12.7						1	19.1	8.2	29.8	8.0	103.0	7.9	2.8								
							2	19.1	8.2	29.8	8.0	103.0	7.7	3.3								
TCE-WQM1	Sunny	Calm	9:38	8.1	Surface	1.0	1	19.4	8.3	29.3	8.3	107.0	4.3	4.4	8.3	5.9	3.2					
							2	19.4	8.3	29.3	8.3	107.0	4.3	3.5								
					Middle	4.1	1	19.5	8.3	29.4	8.3	107.9	5.3	3.1								
							2	19.5	8.3	29.4	8.3	107.9	5.3	2.9								
					Bottom	7.1	1	19.5	8.3	29.5	8.2	106.8	8.1	2.4								
							2	19.5	8.3	29.5	8.2	106.8	8.1	3.0								
TCE-WQM2a	Sunny	Calm	9:03	6.8	Surface	1.0	1	19.4	8.3	28.6	8.9	114.9	4.1	5.0	8.8	5.1	3.8					
							2	19.4	8.3	28.6	8.9	114.9	4.1	4.2								
					Middle	3.4	1	19.4	8.3	28.8	8.7	112.5	4.6	3.2								
							2	19.4	8.3	28.8	8.7	112.5	4.6	3.7								
					Bottom	5.8	1	19.5	8.3	29.3	8.6	111.4	6.4	3.1								
							2	19.5	8.3	29.3	8.6	111.4	6.4	3.6								
TCE-WQM2b	Sunny	Moderate	8:47	9.8	Surface	1.0	1	19.5	8.3	28.1	9.0	116.1	3.9	3.0	9.0	4.1	2.6					
							2	19.5	8.3	28.1	9.0	116.1	3.9	3.0								
					Middle	4.9	1	19.4	8.3	28.3	9.0	115.0	4.1	2.2								
							2	19.4	8.3	28.3	8.9	115.0	4.1	2.8								
					Bottom	8.8	1	19.4	8.3	28.4	8.9	113.8	4.4	2.2								
							2	19.4	8.3	28.4	8.9	113.8	4.3	2.4								
TCE-WQM3A	Sunny	Calm	9:15	3.2	Surface	1.0	1	19.3	8.3	29.2	8.7	112.1	4.6	4.4	8.7	4.7	4.1					
							2	19.3	8.3	29.2	8.7	112.2	4.6	4.1								
					Bottom	2.2	1	19.3	8.3	29.2	8.7	111.7	4.8	3.7								
							2	19.3	8.3	29.2	8.7	111.7	4.8	4.2								
					Surface	1.0	1	19.4	8.3	29.2	8.8	113.3	4.4	2.5				8.8	4.5	3.2		
							2	19.4	8.3	29.2	8.8	113.3	4.5	3.2								
Bottom	2.1	1	19.4	8.3	29.2	8.7	112.9	4.6	4.0													
		2	19.4	8.3	29.2	8.7	112.8	4.7	3.0													

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)			
17-02-21	Mid-Ebb	TCE-C1	Fine	Moderate	14:51	7.5	Surface	1.0	1	19.5	8.2	31.3	8.4	110.3	4.0	5.2	8.4	4.7	4.4			
									2	19.5	8.2	31.3	8.4	110.3	4.0	5.3						
							Middle	3.8	1	19.5	8.2	31.3	8.4	109.5	4.7	3.6						
									2	19.5	8.2	31.3	8.3	108.6	4.8	4.3						
							Bottom	6.5	1	19.3	8.2	32.1	8.0	105.3	5.2	3.6						
									2	19.3	8.2	32.1	8.0	105.3	5.3	4.1						
		TCE-C2	Fine	Calm	16:49	11.4	Surface	1.0	1	19.8	8.2	30.9	7.9	104.3	2.2	3.9	7.8	2.4	2.8			
									2	19.8	8.2	30.9	7.9	104.0	2.2	3.0						
							Middle	5.7	1	19.3	8.2	31.8	7.7	100.8	2.5	3.2						
									2	19.3	8.2	31.8	7.7	100.7	2.5	2.6						
							Bottom	10.4	1	19.3	8.2	31.8	7.7	100.1	2.6	2.0						
									2	19.3	8.2	31.8	7.6	100.1	2.6	1.8						
		TCE-WQM1	Fine	Calm	15:35	9.2	Surface	1.0	1	19.9	8.2	30.6	7.8	102.3	4.5	2.8	7.7	4.5	4.0			
									2	19.9	8.2	30.6	7.8	102.2	4.5	3.6						
							Middle	4.6	1	19.9	8.2	30.6	7.6	100.4	5.0	4.3						
									2	19.9	8.2	30.6	7.6	100.4	5.1	3.6						
							Bottom	8.2	1	19.9	8.2	30.6	7.7	101.0	4.0	5.0						
									2	19.9	8.2	30.6	7.8	102.4	4.0	4.5						
		TCE-WQM2a	Fine	Calm	16:24	8.2	Surface	1.0	1	20.0	8.3	30.0	8.6	113.1	2.5	2.5	8.6	2.9	2.8			
									2	20.0	8.3	30.0	8.6	113.1	2.5	2.2						
							Middle	4.1	1	19.9	8.3	30.0	8.5	111.4	3.0	3.1						
									2	19.9	8.3	30.0	8.5	111.3	3.1	2.5						
							Bottom	7.2	1	19.8	8.3	30.0	8.3	108.9	3.0	3.4						
									2	19.9	8.3	30.0	8.2	107.3	3.0	2.9						
		TCE-WQM2b	Fine	Calm	16:33	10.0	Surface	1.0	1	19.9	8.3	30.0	8.6	112.2	2.3	2.4	8.5	2.5	2.7			
									2	19.9	8.3	30.0	8.5	111.7	2.4	2.4						
							Middle	5.0	1	19.8	8.3	30.3	8.4	109.3	2.7	2.6						
									2	19.8	8.3	30.3	8.4	109.6	2.7	3.1						
							Bottom	9.0	1	19.7	8.2	30.6	8.3	109.0	2.3	2.6						
									2	19.7	8.2	30.6	8.3	109.0	2.3	3.2						
		TCE-WQM3A	Fine	Calm	16:10	3.9	Surface	1.0	1	19.9	8.3	29.9	8.6	113.0	3.5	4.0	8.6	3.5	3.8			
									2	19.9	8.3	29.9	8.6	113.0	3.5	3.9						
							Bottom	2.9	1	19.9	8.3	30.0	8.5	110.9	3.6	3.2						
									2	19.9	8.3	30.0	8.4	109.9	3.3	3.9						
							Surface	1.0	1	19.9	8.3	30.1	8.6	112.4	4.5	5.4				8.6	4.4	4.9
									2	19.9	8.3	30.1	8.6	112.4	4.5	6.2						
		Bottom	2.0	1	19.9	8.3	30.1	8.5	110.7	4.3	3.8											
				2	19.9	8.3	30.1	8.4	110.4	4.4	4.2											
		Surface	1.0	1	19.5	8.3	30.9	8.6	111.8	3.3	3.6	8.5	4.4	3.1								
				2	19.5	8.3	30.9	8.5	111.5	3.4	3.4											
		Middle	3.7	1	19.5	8.2	31.1	8.4	109.9	4.3	2.9											
				2	19.5	8.2	31.1	8.4	109.8	4.3	2.9											
		Bottom	6.4	1	19.4	8.2	31.9	8.2	107.7	5.5	2.7											
				2	19.4	8.2	31.8	8.3	108.4	5.6	2.9											
		TCE-C2	Fine	Calm	8:42	11.4	Surface	1.0	1	19.7	8.2	30.1	8.2	107.4	2.4	4.0	8.2	2.7	3.1			
									2	19.7	8.2	30.1	8.2	107.5	2.4	3.2						
							Middle	5.7	1	19.7	8.2	30.1	8.1	105.8	2.4	3.3						
									2	19.7	8.2	30.1	8.1	105.3	2.5	3.6						
Bottom	10.4						1	19.5	8.2	31.0	7.8	101.9	3.2	2.6								
							2	19.5	8.2	31.0	7.8	102.2	3.2	2.1								
TCE-WQM1	Fine	Calm	9:49	8.2	Surface	1.0	1	19.9	8.2	30.4	7.9	103.6	3.6	3.3	7.9	4.7	3.0					
							2	19.8	8.2	30.4	7.9	104.0	3.8	2.8								
					Middle	4.1	1	19.8	8.2	30.7	7.9	104.2	5.1	2.8								
							2	19.8	8.2	30.7	7.9	103.8	5.1	3.2								
					Bottom	7.2	1	19.8	8.2	30.7	7.8	103.0	5.4	3.0								
							2	19.8	8.2	30.7	7.8	102.5	4.9	2.9								
TCE-WQM2a	Fine	Calm	9:15	7.0	Surface	1.0	1	19.8	8.3	29.6	8.5	111.4	3.5	3.0	8.5	4.1	3.0					
							2	19.8	8.3	29.6	8.5	111.4	3.5	3.6								
					Middle	3.5	1	19.7	8.3	29.8	8.5	110.4	4.7	3.3								
							2	19.7	8.3	29.8	8.4	109.7	4.5	3.1								
					Bottom	6.0	1	19.7	8.3	30.0	8.3	108.0	4.0	2.3								
							2	19.7	8.3	30.0	8.3	108.0	4.6	2.9								
TCE-WQM2b	Fine	Calm	9:02	10.4	Surface	1.0	1	19.8	8.3	29.6	8.5	111.1	2.3	2.8	8.4	2.3	2.2					
							2	19.7	8.3	29.7	8.3	108.4	2.5	2.3								
					Middle	5.2	1	19.7	8.3	29.7	8.4	109.7	2.1	2.3								
							2	19.7	8.3	29.7	8.4	109.3	2.0	2.2								
					Bottom	9.4	1	19.6	8.2	30.0	8.3	108.0	2.3	2.0								
							2	19.6	8.2	30.0	8.3	108.1	2.4	1.8								
TCE-WQM3A	Fine	Calm	9:26	4.0	Surface	1.0	1	19.6	8.3	29.9	8.3	107.4	3.1	2.6	8.2	3.7	3.9					
							2	19.6	8.3	29.9	8.2	107.3	3.1	3.4								
					Bottom	3.0	1	19.6	8.3	30.0	8.1	105.7	4.2	5.1								
							2	19.6	8.3	30.0	8.1	105.5	4.4	4.3								
					Surface	1.0	1	19.7	8.3	30.2	8.2	107.3	5.3	6.3				8.2	5.4	5.6		
							2	19.7	8.3	30.2	8.2	107.3	5.2	5.8								
Bottom	2.4	1	19.7	8.3	30.2	8.2	106.6	5.5	4.7													
		2	19.7	8.3	30.2	8.2	106.6	5.5	5.7													

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)							
19-02-21	Mid-Ebb	TCE-C1	Fine	Moderate	16:34	7.6	Surface	1.0	1	19.4	8.2	31.8	8.1	106.6	2.6	2.5	8.1	3.3	2.5							
									2	19.4	8.2	31.9	8.1	106.3	2.7	3.4										
							Middle	3.8	1	19.3	8.2	32.5	8.0	105.4	3.4	2.6										
									2	19.3	8.2	32.5	8.0	105.6	3.6	3.1										
							Bottom	6.6	1	19.4	8.2	32.8	8.0	105.1	3.9	1.5										
									2	19.4	8.2	32.8	8.0	105.2	3.7	1.8										
		TCE-C2	Fine	Calm	18:31	11.2	Surface	1.0	1	19.6	8.2	31.6	7.7	100.9	2.4	2.4	7.6	3.2	2.8							
									2	19.5	8.2	31.7	7.6	100.0	2.6	1.5										
							Middle	5.6	1	19.4	8.2	32.2	7.5	98.2	3.5	2.6										
									2	19.4	8.2	32.2	7.5	97.9	3.4	3.0										
							Bottom	10.2	1	19.4	8.2	32.2	7.5	98.6	3.5	3.2										
									2	19.4	8.2	32.2	7.6	99.2	3.7	4.2										
		TCE-WQM1	Fine	Calm	17:15	8.1	Surface	1.0	1	19.7	8.2	30.6	7.6	99.1	2.4	2.3	7.6	2.9	2.4							
									2	19.7	8.2	30.6	7.6	99.5	2.5	3.5										
							Middle	4.1	1	19.7	8.2	30.7	7.6	99.8	3.0	3.0										
									2	19.7	8.2	30.7	7.6	100.0	2.9	2.0										
							Bottom	7.1	1	19.7	8.2	30.8	7.8	102.0	3.4	2.0										
									2	19.7	8.2	30.8	7.8	101.9	3.4	1.6										
		TCE-WQM2a	Fine	Calm	17:50	7.0	Surface	1.0	1	19.7	8.2	30.9	8.2	107.2	2.3	3.6	8.1	3.0	3.1							
									2	19.7	8.2	30.9	8.2	107.2	2.3	3.1										
							Middle	3.5	1	19.6	8.2	31.0	8.1	105.5	2.9	3.4										
									2	19.6	8.2	31.0	8.1	105.7	2.9	3.0										
							Bottom	6.0	1	19.6	8.2	31.0	8.0	105.1	3.7	2.4										
									2	19.6	8.2	31.0	8.0	104.7	4.0	3.3										
		TCE-WQM2b	Fine	Moderate	18:00	10.0	Surface	1.0	1	19.7	8.2	30.8	8.2	107.4	1.9	3.9	8.1	1.9	3.2							
									2	19.7	8.2	30.8	8.2	107.5	1.9	4.1										
							Middle	5.0	1	19.7	8.2	30.8	8.1	106.2	1.9	2.6										
									2	19.7	8.2	30.8	8.1	106.2	1.9	3.1										
							Bottom	9.0	1	19.7	8.2	31.1	8.1	105.9	1.8	2.4										
									2	19.7	8.2	31.1	8.1	105.9	1.7	2.8										
		TCE-WQM3A	Fine	Calm	17:39	3.4	Surface	1.0	1	19.7	8.2	30.5	8.0	105.3	3.1	3.9	8.0	3.3	3.2							
									2	19.7	8.2	30.5	8.0	105.1	3.2	2.7										
							Bottom	2.4	1	19.6	8.2	30.5	8.1	105.4	3.4	2.8										
									2	19.6	8.2	30.6	8.1	105.7	3.5	3.2										
		TCE-WQM4	Fine	Calm	17:29	3.2	Surface	1.0	1	19.6	8.2	30.6	8.1	106.4	3.5	4.0	8.2	3.7	4.0							
									2	19.6	8.2	30.6	8.2	106.6	3.6	4.0										
							Bottom	2.2	1	19.5	8.2	30.6	8.2	106.4	3.8	3.9										
									2	19.5	8.2	30.7	8.2	106.6	3.9	4.1										
		19-02-21	Mid-Flood	TCE-C1	Fine	Moderate	11:40	7.8	Surface	1.0	1	19.4	8.2	31.8	8.1	106.0	2.8	1.9	8.0	3.8	1.5					
											2	19.4	8.2	31.9	8.1	105.8	2.8	1.5								
									Middle	3.9	1	19.4	8.2	32.6	8.0	105.0	3.8	1.9								
											2	19.4	8.2	32.6	8.0	105.0	4.0	1.4								
									Bottom	6.8	1	19.4	8.2	32.8	7.9	104.8	4.8	1.0								
											2	19.4	8.2	32.8	7.9	104.7	4.8	1.2								
TCE-C2	Fine			Calm	9:33	11.5	Surface	1.0	1	19.4	8.2	30.7	7.9	103.3	1.5	1.6	7.9	1.7	1.7							
									2	19.4	8.2	30.8	7.9	102.8	1.6	1.2										
							Middle	5.8	1	19.6	8.2	31.2	7.8	102.3	1.7	1.8										
									2	19.6	8.2	31.2	7.8	102.4	1.7	1.5										
							Bottom	10.5	1	19.6	8.2	31.4	7.8	102.0	1.7	2.0										
									2	19.6	8.2	31.4	7.8	102.1	1.7	2.2										
TCE-WQM1	Fine			Calm	10:44	8.0	Surface	1.0	1	19.4	8.2	30.6	7.5	97.9	2.9	3.2	7.5	3.2	3.4							
									2	19.4	8.2	30.6	7.5	98.0	3.0	2.8										
							Middle	4.0	1	19.5	8.2	30.8	7.6	99.0	3.1	3.3										
									2	19.5	8.2	30.7	7.6	98.8	3.2	3.1										
							Bottom	7.0	1	19.7	8.2	31.0	7.6	99.5	3.4	3.5										
									2	19.7	8.2	31.0	7.6	99.5	3.4	4.4										
TCE-WQM2a	Fine			Moderate	10:12	7.4	Surface	1.0	1	19.7	8.2	30.7	7.7	101.4	3.3	3.1	7.7	3.9	2.9							
									2	19.7	8.2	30.7	7.7	101.4	3.3	4.0										
							Middle	3.7	1	19.7	8.2	30.7	7.7	101.2	3.6	2.8										
									2	19.7	8.2	30.7	7.7	101.0	3.8	2.4										
							Bottom	6.4	1	19.6	8.2	31.0	7.7	101.0	4.7	2.2										
									2	19.6	8.2	31.0	7.7	101.2	4.7	2.7										
TCE-WQM2b	Fine			Moderate	10:00	10.6	Surface	1.0	1	19.5	8.2	30.6	7.8	101.9	1.8	4.2	7.8	2.0	3.1							
									2	19.5	8.2	30.6	7.8	101.9	1.9	3.5										
							Middle	5.3	1	19.5	8.2	30.7	7.7	101.1	1.9	3.0										
									2	19.5	8.2	30.7	7.8	101.2	2.0	2.7										
							Bottom	9.6	1	19.5	8.2	30.9	7.8	101.3	2.1	2.2										
									2	19.5	8.2	30.9	7.8	102.1	2.2	2.7										
TCE-WQM3A	Fine			Calm	10:23	3.8	Surface	1.0	1	19.5	8.2	30.5	7.9	102.7	4.1	3.9	7.9	4.8	3.9							
									2	19.5	8.2	30.5	7.9	102.8	4.2	4.8										
							Bottom	2.8	1	19.5	8.2	30.6	7.9	103.1	5.2	3.1										
									2	19.5	8.2	30.6	7.9	103.5	5.6	3.9										
TCE-WQM4	Fine			Calm	10:32	3.4	Surface	1.0	1	19.7	8.3	30.7	7.8	102.7	3.9	2.9	7.9	3.9	4.2							
									2	19.7	8.3	30.7	7.9	103.5	3.9	3.9										
							Bottom	2.4	1	19.7	8.3	30.7	7.9	103.4	4.0	4.7										
									2	19.7	8.3	30.7	7.9	103.5	3.9	5.1										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
22-02-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	20:25	8.4	Surface	1.0	1	20.4	8.2	28.6	8.8	114.9	2.1	2.6	8.4	4.9	2.2			
									2	20.4	8.2	28.6	8.8	114.8	2.1	2.3						
							Middle	4.2	1	19.7	8.1	31.9	8.0	105.2	4.8	2.0						
									2	19.7	8.1	31.9	8.0	105.2	4.8	2.2						
				Bottom	7.4	1	19.5	8.1	32.9	7.8	103.5	7.7	1.7	7.8								
				2	19.5	8.1	32.9	7.8	103.6	7.8	2.2											
		TCE-C2	Cloudy	Moderate	22:36	15.7	Surface	1.0	1	20.4	8.3	29.4	9.0				118.9	1.4	2.8	8.2	1.8	2.8
									2	20.4	8.3	29.5	9.0				118.7	1.3	2.6			
							Middle	7.9	1	19.7	8.1	31.8	7.4	97.2	1.9	2.6						
									2	19.7	8.1	31.8	7.4	97.3	1.9	3.0						
				Bottom	14.7	1	19.5	8.0	32.5	7.6	99.7	2.2	2.5	7.6								
				2	19.5	8.0	32.5	7.6	100.1	2.2	3.4											
		TCE-WQM1	Cloudy	Calm	21:18	8.8	Surface	1.0	1	20.4	8.2	29.9	7.7				102.4	2.6	2.2	7.5	3.4	3.0
									2	20.4	8.2	29.9	7.7				102.2	2.6	3.6			
							Middle	4.4	1	20.3	8.1	30.1	7.3	96.1	3.5	3.3						
									2	20.3	8.1	30.1	7.3	96.0	3.6	3.3						
				Bottom	7.8	1	20.3	8.1	30.4	7.0	91.9	3.9	2.6	7.0								
				2	20.3	8.1	30.4	7.0	92.0	3.9	2.9											
		TCE-WQM2a	Cloudy	Moderate	21:57	7.4	Surface	1.0	1	21.1	8.2	28.4	9.0				118.7	1.6	2.6	8.5	2.8	2.4
									2	21.1	8.2	28.4	9.0				118.7	1.6	3.0			
							Middle	3.7	1	20.2	8.2	30.1	8.0	105.8	2.6	2.2						
									2	20.2	8.2	30.1	8.0	105.5	2.7	2.6						
				Bottom	6.4	1	19.9	8.1	31.1	7.6	100.7	4.0	1.7	7.6								
				2	19.9	8.1	31.1	7.6	100.6	4.0	2.5											
		TCE-WQM2b	Cloudy	Moderate	22:10	12.6	Surface	1.0	1	20.9	8.2	24.4	9.0				115.9	1.4	1.9	8.2	2.4	2.0
									2	20.9	8.2	24.4	9.0				115.7	1.4	1.6			
							Middle	6.3	1	20.0	8.1	30.6	7.5	98.0	2.2	1.4						
									2	20.0	8.1	30.6	7.4	97.9	2.2	1.8						
				Bottom	11.6	1	19.6	8.0	32.1	6.9	90.9	3.6	2.6	6.9								
				2	19.6	8.0	32.1	6.9	91.1	3.6	2.9											
		TCE-WQM3A	Cloudy	Calm	21:46	4.0	Surface	1.0	1	21.0	8.2	28.2	9.0				118.5	4.4	2.3	8.9	5.3	6.2
									2	21.0	8.2	28.2	8.9				118.4	4.5	2.2			
							Bottom	3.0	1	20.4	8.2	29.2	8.3	109.8	6.2	10.1						
									2	20.4	8.2	29.2	8.3	109.8	6.1	10.3						
		TCE-WQM4	Cloudy	Calm	21:35	3.5	Surface	1.0	1	20.4	8.2	29.9	8.7	115.4	2.1	2.6	8.7	2.7	2.8			
									2	20.4	8.2	29.9	8.7	115.3	2.2	3.5						
Bottom	2.5						1	20.4	8.2	30.0	8.4	110.7	3.2	2.0								
							2	20.4	8.2	30.0	8.4	110.6	3.3	3.0								
22-02-21	Mid-Flood	TCE-C1	Fine	Moderate	10:25	8.0	Surface	1.0	1	20.1	8.2	29.6	8.3	108.3	3.6	3.5	8.1	4.4	2.7			
									2	20.1	8.2	29.7	8.2	108.1	3.6	2.6						
							Middle	4.0	1	19.7	8.1	31.9	7.9	104.2	4.2	2.9						
									2	19.7	8.1	31.9	7.9	104.3	4.2	2.8						
				Bottom	7.0	1	19.5	8.1	32.7	7.8	103.2	5.3	2.4	7.8								
				2	19.5	8.1	32.7	7.8	103.2	5.3	1.7											
		TCE-C2	Fine	Moderate	8:21	15.5	Surface	1.0	1	19.8	8.2	29.9	8.0				104.9	1.8	1.4	7.4	2.6	2.4
									2	19.8	8.2	29.9	8.0				104.4	1.8	2.3			
							Middle	7.8	1	19.5	8.0	32.5	6.9	90.7	2.7	2.4						
									2	19.5	8.0	32.5	6.9	90.5	2.8	1.8						
				Bottom	14.5	1	19.5	8.0	32.5	6.9	90.5	3.2	3.1	6.9								
				2	19.5	8.0	32.5	6.9	90.6	3.5	3.2											
		TCE-WQM1	Fine	Calm	9:37	8.6	Surface	1.0	1	20.3	8.1	30.2	7.4				98.2	3.1	3.9	7.4	3.8	3.9
									2	20.3	8.1	30.2	7.4				98.1	3.1	4.2			
							Middle	4.3	1	20.3	8.1	30.3	7.3	96.3	3.8	2.1						
									2	20.3	8.1	30.3	7.3	96.2	3.8	4.1						
				Bottom	7.6	1	20.3	8.1	30.4	7.3	96.4	4.5	4.7	7.3								
				2	20.3	8.1	30.4	7.3	96.6	4.5	4.4											
		TCE-WQM2a	Fine	Moderate	9:03	7.2	Surface	1.0	1	20.3	8.2	29.2	8.6				113.0	2.1	1.8	8.4	2.8	1.7
									2	20.3	8.2	29.2	8.6				113.0	2.1	2.3			
							Middle	3.6	1	20.1	8.2	30.0	8.2	107.8	2.5	1.9						
									2	20.1	8.2	30.0	8.2	107.8	2.5	1.2						
				Bottom	6.2	1	20.0	8.1	30.3	7.8	103.0	3.8	1.9	7.8								
				2	20.0	8.1	30.3	7.8	102.9	4.0	1.0											
		TCE-WQM2b	Fine	Moderate	8:50	12.3	Surface	1.0	1	20.2	8.2	28.1	8.1				105.9	1.7	1.2	7.6	2.5	1.7
									2	20.2	8.2	28.1	8.1				105.9	1.7	1.6			
							Middle	6.2	1	19.8	8.1	31.2	7.2	94.3	2.9	1.4						
									2	19.8	8.1	31.2	7.2	94.1	3.0	2.0						
				Bottom	11.3	1	19.6	8.1	32.0	7.1	93.3	2.7	1.5	7.1								
				2	19.6	8.1	32.0	7.1	93.5	2.7	2.4											
		TCE-WQM3A	Fine	Calm	9:14	3.9	Surface	1.0	1	20.3	8.2	28.0	8.9				115.4	1.6	2.1	8.8	1.9	2.4
									2	20.3	8.2	28.0	8.8				115.3	1.6	3.2			
							Bottom	2.9	1	20.3	8.2	29.3	8.5	111.0	2.3	1.7						
									2	20.3	8.2	29.3	8.4	110.9	2.0	2.7						
		TCE-WQM4	Fine	Calm	9:24	3.3	Surface	1.0	1	20.2	8.2	29.1	8.4	110.2	2.8	2.2	8.4	3.8	2.5			
									2	20.2	8.2	29.1	8.4	110.0	2.9	3.0						
Bottom	2.3						1	20.2	8.2	29.5	8.1	106.7	4.7	2.5								
							2	20.2	8.2	29.5	8.1	106.5	4.8	2.3								

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)								
24-02-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:46	8.2	Surface	1.0	1	20.5	8.2	31.1	8.4	112.3	2.4	3.1	8.2	3.4	2.5								
									2	20.5	8.2	31.1	8.4	112.2	2.5	2.5											
							Middle	4.1	1	20.0	8.2	32.2	8.0	106.5	3.7	2.7											
									2	20.0	8.2	32.2	8.0	106.3	3.7	2.4											
							Bottom	7.2	1	19.9	8.2	32.4	7.9	104.2	4.3	2.0											
									2	19.9	8.2	32.4	7.9	104.3	4.0	2.2											
		TCE-C2	Cloudy	Moderate	10:50	14.0	Surface	1.0	1	20.0	8.1	31.9	7.2	95.7	2.5	3.5	7.1	2.9	3.8								
									2	20.0	8.1	31.9	7.2	95.6	2.5	3.9											
							Middle	7.0	1	19.9	8.1	32.3	7.1	93.7	2.8	4.0											
									2	19.9	8.1	32.3	7.0	93.5	2.9	3.3											
							Bottom	13.0	1	19.8	8.1	32.3	7.0	92.9	3.2	3.5											
									2	19.8	8.1	32.3	7.0	93.1	3.3	4.3											
		TCE-WQM1	Cloudy	Calm	12:25	8.4	Surface	1.0	1	20.8	8.2	29.2	7.6	100.1	3.5	4.3	7.5	3.9	3.7								
									2	20.8	8.2	29.2	7.6	100.2	3.5	3.7											
							Middle	4.2	1	20.7	8.2	29.7	7.5	100.0	3.8	3.2											
									2	20.7	8.2	29.7	7.5	99.8	3.8	3.2											
							Bottom	7.4	1	20.4	8.2	30.3	7.4	98.5	4.5	3.8											
									2	20.4	8.2	30.3	7.4	98.5	4.5	3.8											
		TCE-WQM2a	Cloudy	Moderate	11:42	7.1	Surface	1.0	1	20.4	8.2	30.3	7.9	104.3	2.3	3.7	7.9	2.0	3.4								
									2	20.4	8.2	30.3	7.9	104.3	2.3	3.5											
							Middle	3.6	1	20.2	8.2	30.6	7.9	104.0	1.8	3.8											
									2	20.2	8.2	30.6	7.9	103.8	1.8	3.0											
							Bottom	6.1	1	20.2	8.2	30.8	7.7	101.9	1.8	3.4											
									2	20.2	8.2	30.8	7.7	101.9	1.9	2.7											
		TCE-WQM2b	Cloudy	Moderate	11:27	12.0	Surface	1.0	1	20.4	8.2	30.5	7.5	99.7	2.6	2.2	7.5	5.4	3.5								
									2	20.4	8.2	30.5	7.5	99.8	2.7	2.7											
							Middle	6.0	1	20.0	8.1	32.1	7.4	98.3	4.3	3.1											
									2	20.0	8.1	32.1	7.4	98.4	4.4	2.4											
							Bottom	11.0	1	19.9	8.1	32.1	7.3	97.3	9.0	5.8											
									2	19.9	8.1	32.1	7.3	97.4	9.2	5.0											
		TCE-WQM3A	Cloudy	Calm	12:00	4.1	Surface	1.0	1	20.6	8.2	29.4	7.7	102.1	5.8	10.2	7.7	6.4	9.1								
									2	20.6	8.2	29.4	7.7	101.8	5.8	5.7											
							Bottom	3.1	1	20.6	8.2	29.4	7.6	100.8	6.9	7.1											
									2	20.6	8.2	29.3	7.6	100.7	6.9	13.2											
							TCE-WQM4	Cloudy	Calm	12:11	3.7	Surface	1.0	1	20.5	8.2				29.5	7.7	101.7	3.4	3.7	7.7	3.3	5.0
													2	20.5	8.2	29.5				7.7	101.7	3.4	3.4				
		Bottom	2.7	1	20.5	8.2	29.5					7.6	100.1	3.2	6.5												
				2	20.5	8.2	29.5					7.6	99.9	3.2	6.3												
		TCE-WQM3A	Cloudy	Calm	15:37	8.3	Surface					1.0	1	21.2	8.2	29.4	7.5	100.7	5.0	5.3	7.5	5.7	6.5				
												2	21.2	8.2	29.4	7.5	100.5	5.0	4.6								
		Middle					4.2	1	20.9	8.2	29.6	7.5	99.3	5.4	6.8												
								2	20.9	8.2	29.7	7.5	99.4	5.5	7.0												
		Bottom					7.3	1	20.4	8.2	30.3	7.4	98.1	6.7	7.6												
								2	20.4	8.2	30.3	7.4	98.2	6.8	7.5												
		TCE-WQM2a	Cloudy	Moderate	16:20	7.6	Surface	1.0	1	20.8	8.2	30.3	8.2	109.0	2.4	3.0	8.0	4.2	3.9								
									2	20.8	8.2	30.3	8.2	109.0	2.4	2.2											
							Middle	3.8	1	20.7	8.2	30.4	7.9	104.5	2.9	3.4											
									2	20.7	8.2	30.4	7.8	104.5	2.9	4.2											
Bottom	6.6						1	20.1	8.1	31.3	7.3	97.0	7.4	4.8													
							2	20.1	8.1	31.3	7.4	97.3	7.4	5.8													
TCE-WQM2b	Cloudy	Moderate	16:33	12.0	Surface	1.0	1	20.7	8.2	30.4	8.4	111.4	1.9	5.0	8.1	2.0	3.7										
							2	20.7	8.2	30.4	8.3	111.2	1.9	5.6													
					Middle	6.0	1	20.3	8.2	30.9	7.9	105.0	1.8	2.9													
							2	20.3	8.2	30.9	7.9	104.7	1.8	3.2													
					Bottom	11.0	1	20.1	8.2	31.6	7.8	103.4	2.2	2.4													
							2	20.1	8.2	31.6	7.8	103.3	2.2	3.2													
TCE-WQM3A	Cloudy	Calm	16:04	4.5	Surface	1.0	1	20.7	8.2	29.6	7.9	105.1	4.8	5.5	7.9	5.1	5.1										
							2	20.7	8.2	29.6	7.9	105.0	4.8	4.6													
					Bottom	3.5	1	20.4	8.2	30.2	7.7	102.1	5.7	4.7													
							2	20.4	8.2	30.2	7.7	102.0	5.2	5.4													
					TCE-WQM4	Cloudy	Calm	15:52	4.0	Surface	1.0	1	20.7	8.2				29.8	7.8	102.8	4.0	7.8	7.7	3.8	6.8		
											2	20.7	8.2	29.8				7.7	102.7	4.0	8.3						
Bottom	3.0	1	20.6	8.2	29.9					7.6	100.8	3.6	5.3														
		2	20.6	8.2	29.9					7.6	100.6	3.7	5.8														

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
26-02-21	Mid-Ebb	TCE-C1	Fine	Moderate	11:02	8.5	Surface	1.0	1	20.8	8.3	27.8	8.3	109.3	2.3	8.3	8.0	4.1	6.7		
									2	20.8	8.3	28.1	8.3	109.1	2.6	9.4					
							Middle	4.3	1	20.4	8.2	29.5	7.6	100.3	4.3	7.2					
									2	20.4	8.2	29.6	7.6	100.2	4.7	7.8					
				1	20.4	8.2	30.0	7.6	99.9	5.2	3.1										
				2	20.4	8.2	30.0	7.6	99.9	5.3	4.3										
		TCE-C2	Fine	Calm	13:10	13.1	Surface	1.0	1	20.5	8.2	29.5	7.2	95.7	1.4	3.8	7.1	1.5	3.7		
									2	20.4	8.2	29.6	7.2	95.5	1.5	4.2					
							Middle	6.6	1	20.2	8.2	30.1	6.9	90.9	1.3	3.7					
									2	20.2	8.2	30.1	6.9	90.7	1.3	4.1					
				1	20.1	8.2	30.3	6.8	89.3	1.9	3.6										
				2	20.1	8.2	30.3	6.8	89.4	1.8	2.7										
		TCE-WQM1	Fine	Calm	11:50	8.0	Surface	1.0	1	20.6	8.2	29.5	7.1	93.7	4.3	5.4	7.1	4.2	8.3		
									2	20.6	8.2	29.5	7.1	93.8	4.3	9.0					
							Middle	4.0	1	20.6	8.2	29.5	7.1	93.9	4.2	9.0					
									2	20.6	8.2	29.5	7.1	94.0	4.3	8.6					
				1	20.6	8.2	29.5	7.1	94.0	4.1	8.6										
				2	20.6	8.2	29.5	7.1	94.0	4.1	9.2										
		TCE-WQM2a	Fine	Calm	12:33	7.0	Surface	1.0	1	20.7	8.3	29.0	7.7	101.4	1.2	4.2	7.4	2.2	3.3		
									2	20.7	8.3	29.0	7.7	101.4	1.2	3.9					
							Middle	3.5	1	20.5	8.2	29.1	7.2	94.8	2.2	3.2					
									2	20.5	8.2	29.2	7.2	94.4	2.5	4.0					
				1	20.4	8.2	29.3	7.1	93.8	3.3	1.8										
				2	20.4	8.3	29.3	7.2	94.6	2.9	2.7										
		TCE-WQM2b	Fine	Moderate	12:45	10.8	Surface	1.0	1	21.4	8.3	26.6	7.9	104.8	0.9	5.3	7.7	1.1	4.7		
									2	21.4	8.3	26.6	7.9	104.8	0.9	4.4					
							Middle	5.4	1	20.9	8.3	29.0	7.4	98.7	1.1	5.0					
									2	20.9	8.3	29.0	7.5	98.8	1.1	4.0					
				1	20.3	8.3	29.9	6.9	91.4	1.5	4.4										
				2	20.4	8.3	29.8	6.9	91.5	1.4	4.8										
		TCE-WQM3A	Fine	Calm	12:22	4.3	Surface	1.0	1	20.8	8.3	28.9	7.6	100.8	3.5	4.1	7.6	4.5	4.2		
									2	20.8	8.3	28.9	7.6	100.6	3.5	4.8					
							Bottom	3.3	1	20.7	8.3	29.0	7.3	96.4	5.5	4.1					
									2	20.7	8.3	29.0	7.3	96.7	5.5	3.6					
		TCE-WQM4	Fine	Calm	12:13	3.5	Surface	1.0	1	20.7	8.2	29.1	7.1	93.4	2.6	4.2	7.1	4.2	5.0		
									2	20.7	8.2	29.1	7.1	93.3	2.7	5.4					
							Bottom	2.5	1	20.5	8.2	29.1	6.8	89.3	5.8	4.6					
									2	20.5	8.2	29.1	6.8	89.7	5.9	5.6					
		26-02-21	Mid-Flood	TCE-C1	Fine	Moderate	8:45	8.2	Surface	1.0	1	20.7	8.2	27.8	7.9	103.9	2.4	7.3	7.8	4.1	6.4
											2	20.7	8.2	27.8	7.9	103.9	2.4	6.3			
									Middle	4.1	1	20.4	8.2	29.7	7.6	100.5	4.3	6.7			
											2	20.4	8.2	29.8	7.6	100.4	4.4	6.3			
						1	20.4	8.2	30.0	7.6	100.1	5.6	6.0								
						2	20.4	8.2	30.0	7.6	100.0	5.6	5.8								
				TCE-C2	Fine	Calm	6:37	12.8	Surface	1.0	1	20.3	8.2	29.6	7.1	93.4	1.8	5.9	7.1	3.0	5.1
											2	20.3	8.2	29.6	7.1	93.3	1.9	5.2			
									Middle	6.4	1	20.3	8.2	29.8	7.0	92.6	2.3	4.7			
											2	20.3	8.2	29.8	7.0	92.6	2.4	5.3			
				1	20.3	8.2	29.9	7.0	92.4	4.9	4.7										
				2	20.3	8.2	29.9	7.0	92.4	4.7	4.9										
TCE-WQM1	Fine			Calm	7:56	7.8	Surface	1.0	1	20.5	8.2	29.3	6.8	89.5	3.1	10.4	6.8	3.4	8.4		
									2	20.5	8.2	29.3	6.8	89.5	3.1	11.0					
							Middle	3.9	1	20.5	8.2	29.3	6.8	89.6	3.4	5.9					
									2	20.5	8.2	29.3	6.8	89.6	3.5	7.4					
				1	20.5	8.2	29.3	6.8	90.2	3.5	7.9										
				2	20.5	8.2	29.3	6.8	90.3	3.7	7.5										
TCE-WQM2a	Fine			Moderate	7:16	6.4	Surface	1.0	1	20.6	8.2	28.8	7.3	96.4	2.0	5.4	7.3	1.9	5.9		
									2	20.6	8.2	28.8	7.3	96.4	2.0	4.5					
							Middle	3.2	1	20.5	8.2	28.9	7.2	94.9	1.8	6.6					
									2	20.5	8.2	28.9	7.2	94.8	1.9	5.9					
				1	20.5	8.2	29.0	7.2	94.8	1.9	6.6										
				2	20.5	8.2	29.0	7.2	94.9	1.9	6.5										
TCE-WQM2b	Fine			Moderate	7:00	10.7	Surface	1.0	1	20.4	8.2	29.1	7.3	96.5	2.8	4.8	7.3	3.2	7.1		
									2	20.4	8.2	29.1	7.3	96.5	2.8	8.8					
							Middle	5.4	1	20.4	8.2	29.1	7.3	96.0	3.2	9.0					
									2	20.4	8.2	29.1	7.3	96.0	3.3	5.6					
				1	20.4	8.2	29.1	7.3	95.9	3.5	7.4										
				2	20.4	8.2	29.1	7.3	96.0	3.4	7.2										
TCE-WQM3A	Fine			Calm	7:32	4.0	Surface	1.0	1	20.4	8.2	29.0	7.1	92.9	3.6	5.5	7.1	4.5	5.5		
									2	20.4	8.2	29.1	7.1	92.9	3.9	4.5					
							Bottom	3.0	1	20.4	8.1	29.0	7.2	94.5	5.2	6.1					
									2	20.4	8.1	29.0	7.2	95.0	5.3	6.0					
TCE-WQM4	Fine			Calm	7:43	3.2	Surface	1.0	1	20.5	8.2	29.0	7.2	94.1	2.2	4.0	7.2	2.5	5.2		
									2	20.5	8.2	29.0	7.2	94.1	2.2	5.0					
							Bottom	2.2	1	20.4	8.2	29.1	7.2	94.4	2.7	6.4					
									2	20.4	8.2	29.1	7.2	94.7	2.8	5.2					