

Annex G3

Monitoring Results for Water Quality

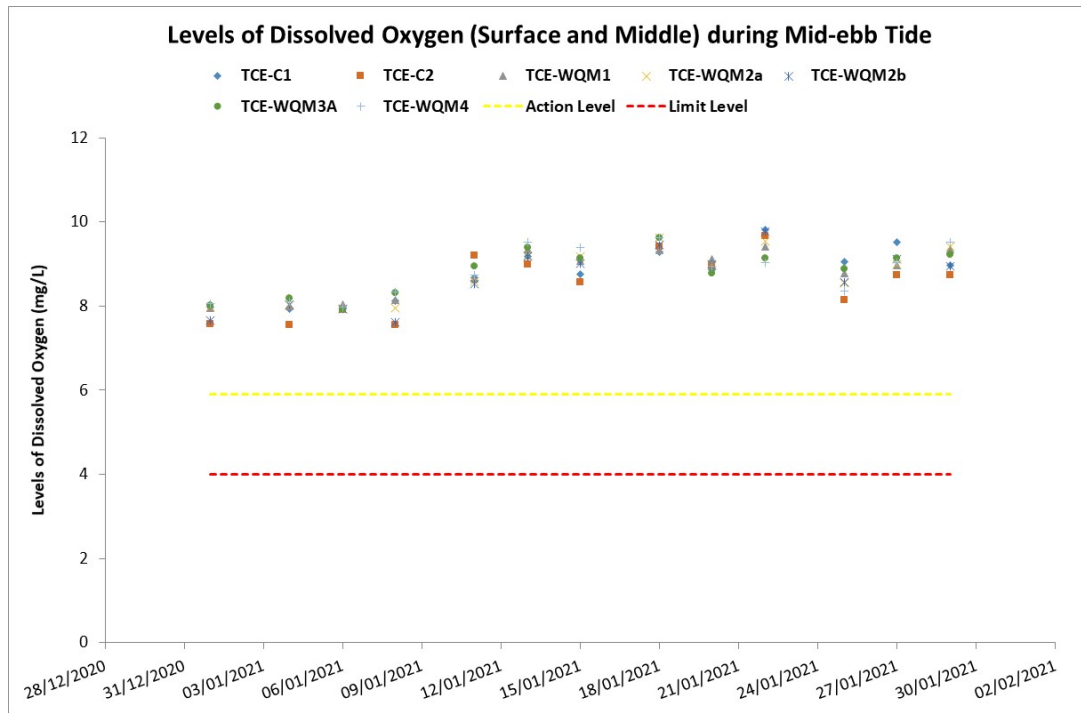


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 January 2021

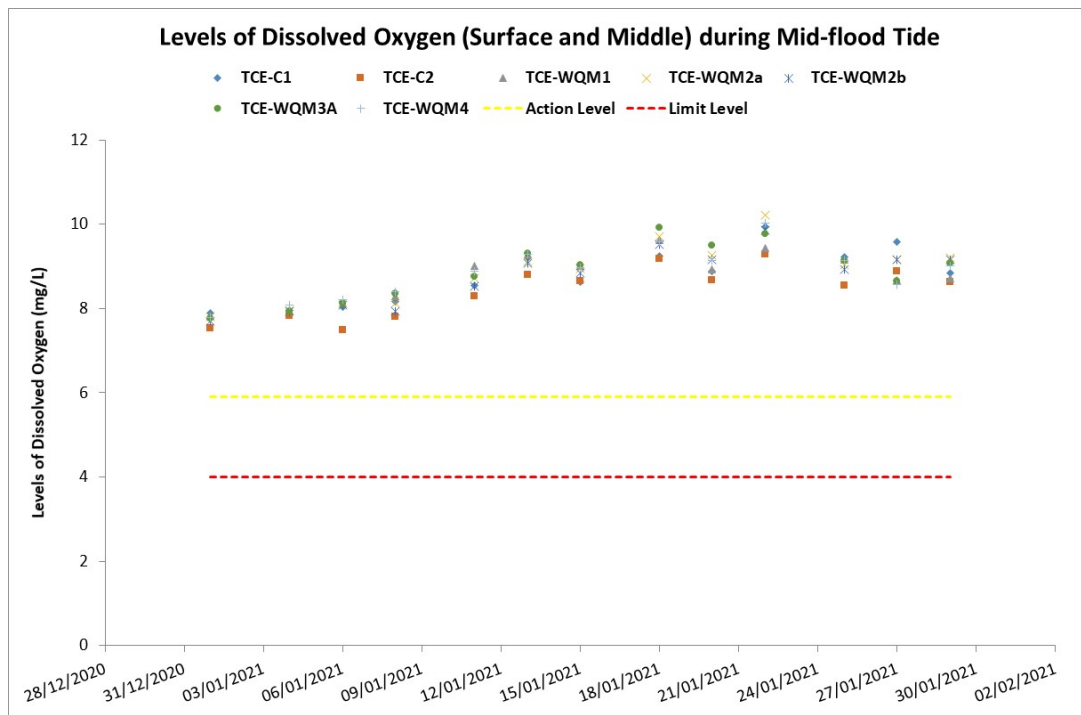
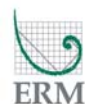


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 January 2021

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

Date: January 2021

**Environmental
Resources
Management**



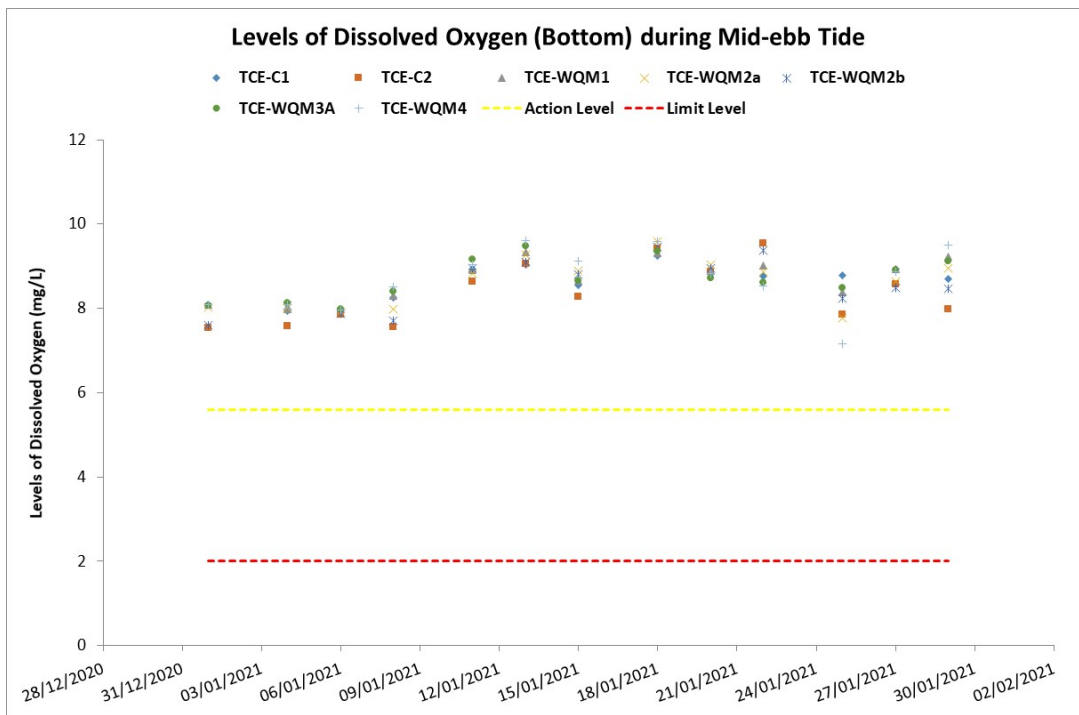


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 January 2021

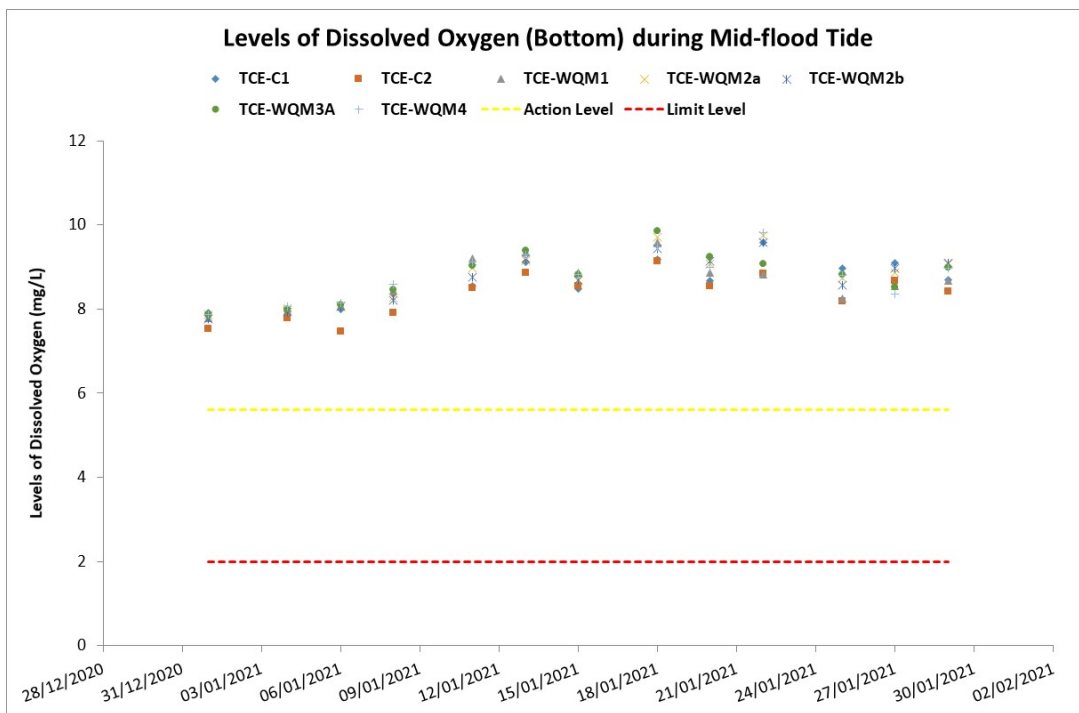


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 January 2021

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

**Environmental
 Resources
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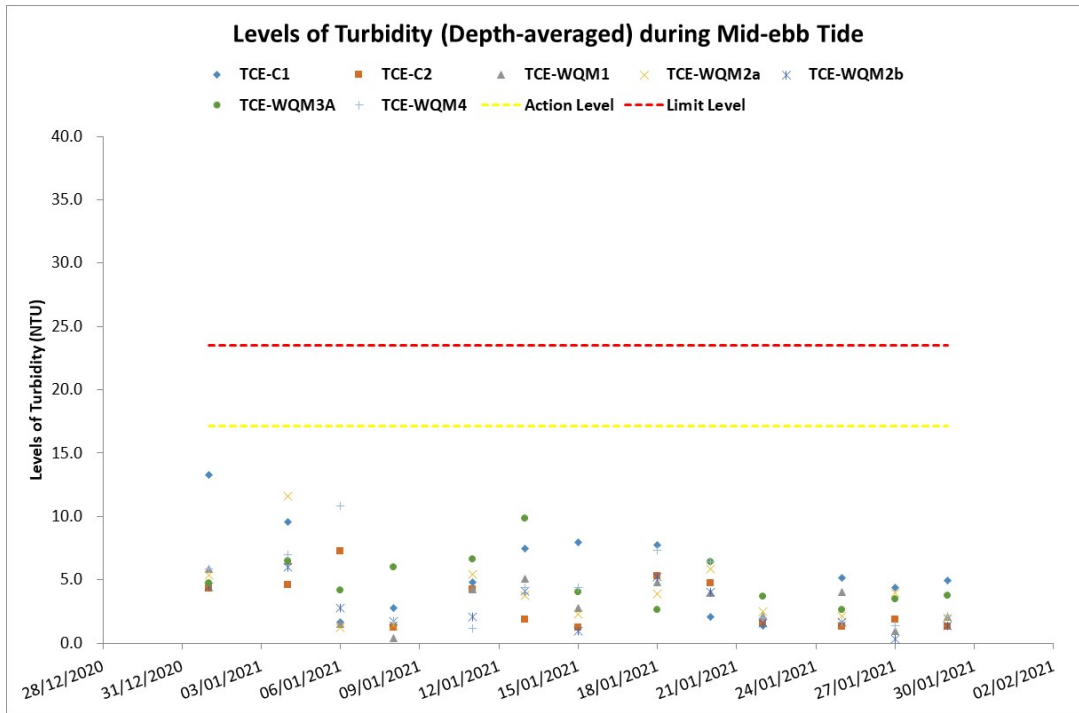


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 January 2021

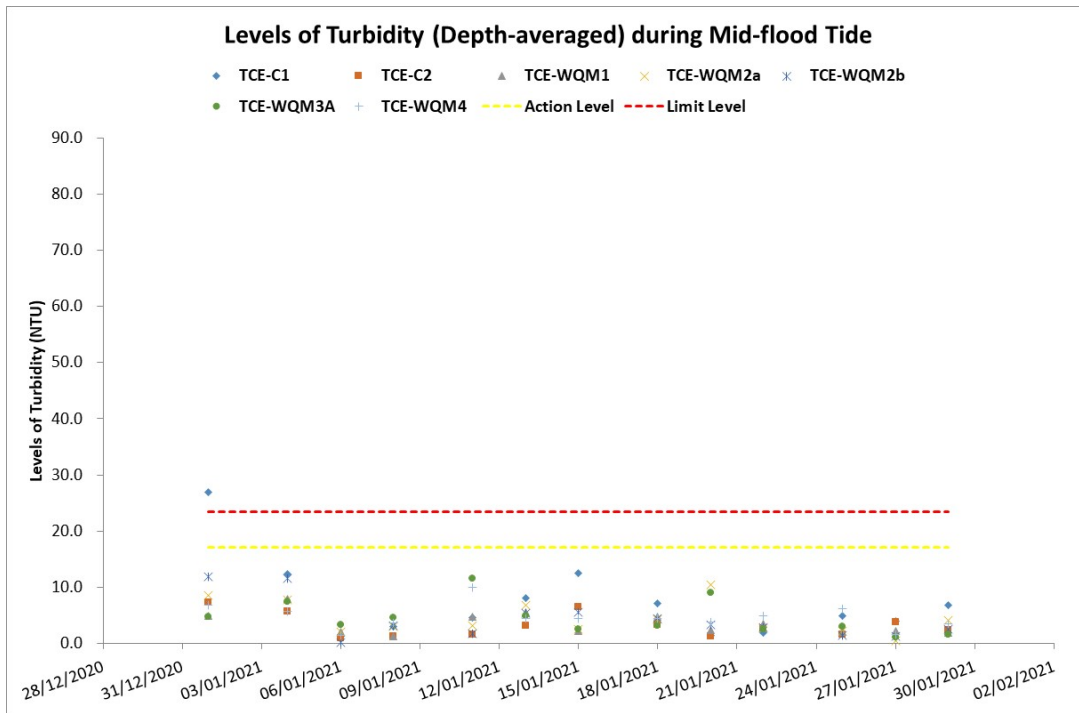


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 January 2021

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

Date: January 2021

**Environmental
Resources
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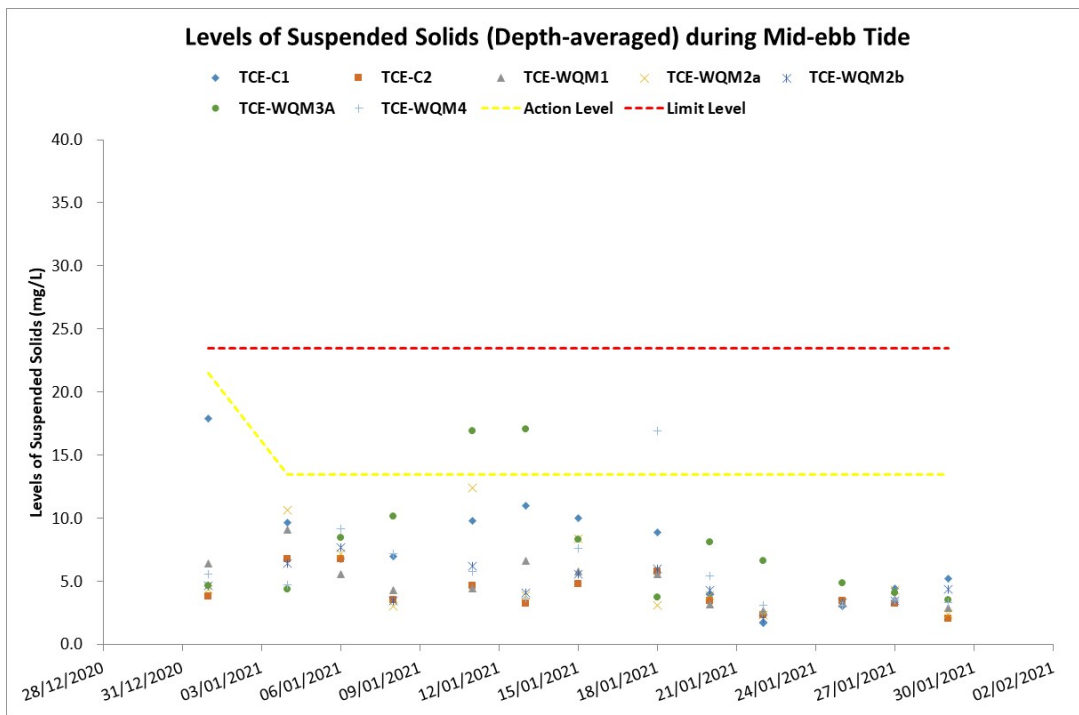


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 January 2021

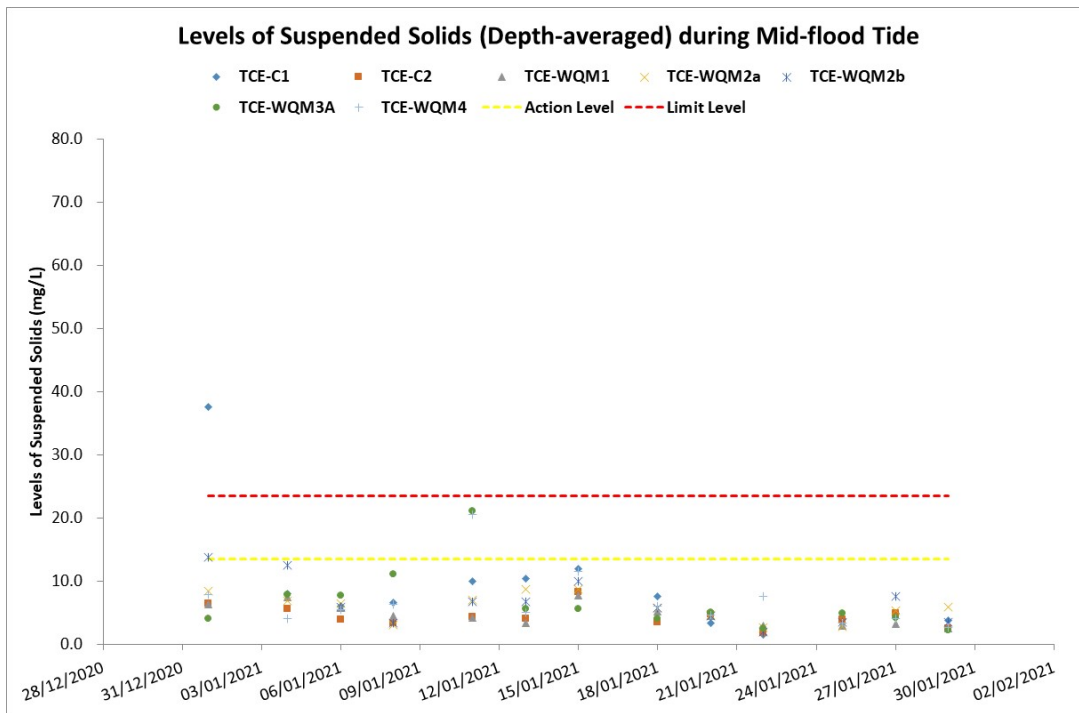


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 January 2021

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: January 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)		
01-01-21	Mid-Ebb	TCE-C1	Fine	Rough	12:46	8.3	Surface	1.0	1	17.1	8.2	30.5	8.0	99.4	11.8	19.4	8.0	13.3	17.9		
							Middle	4.2	2	17.1	8.2	30.5	8.0	99.2	13.1	17.9					
							Bottom	7.3	1	17.0	8.2	30.5	8.1	100.5	14.8	16.6					
									2	17.0	8.2	30.5	8.1	100.6	14.9	16.4					
									1	17.9	8.1	30.3	7.7	96.8	4.1	3.0					
									2	17.9	8.1	30.3	7.7	96.8	4.0	3.3					
		TCE-C2	Fine	Moderate	15:03	14.6	Surface	1.0	1	17.9	8.1	30.3	7.7	96.8	4.1	3.0	7.6	4.3	3.8		
							Middle	7.3	1	18.0	8.1	30.4	7.5	95.0	4.0	3.6					
							Bottom	13.6	1	18.1	8.2	30.5	7.5	95.7	4.9	4.4					
									2	18.1	8.2	30.5	7.5	95.8	4.7	4.7					
									1	16.8	8.2	29.8	7.9	97.7	6.0	5.6					
									2	16.8	8.2	29.8	7.9	97.8	6.0	5.4					
		TCE-WQM1	Fine	Calm	13:32	8.6	Surface	1.0	1	16.8	8.2	29.8	7.9	97.7	6.0	5.6	7.9	5.9	6.4		
							Middle	4.3	1	16.8	8.2	29.8	8.0	98.3	5.9	6.4					
							Bottom	7.6	1	16.8	8.2	29.8	8.0	98.3	5.9	6.8					
									2	16.8	8.2	29.8	8.1	99.7	5.6	7.0					
									1	16.8	8.2	29.8	8.1	99.8	5.7	7.3					
									2	17.4	8.2	29.8	8.0	100.1	5.0	5.0					
		TCE-WQM2a	Fine	Moderate	14:25	7.4	Surface	1.0	1	17.4	8.2	29.8	8.0	100.1	5.0	5.4	8.0	5.4	4.4		
							Middle	3.7	1	17.2	8.2	29.8	7.9	98.6	5.2	4.5					
							Bottom	6.4	1	17.2	8.2	29.8	7.9	98.6	5.2	4.3					
									2	17.2	8.2	29.9	8.0	99.7	6.0	3.4					
									1	17.2	8.2	29.9	8.0	99.8	6.0	3.8					
									2	17.2	8.2	29.9	8.0	99.8	6.0	3.8					
		TCE-WQM2b	Fine	Moderate	14:38	11.7	Surface	1.0	1	17.8	8.1	30.2	7.7	97.0	4.4	4.0	7.6	4.4	4.7		
							Middle	5.9	1	17.7	8.1	30.2	7.6	95.5	4.6	4.5					
							Bottom	10.7	1	17.7	8.1	30.2	7.6	95.4	4.6	4.8					
									2	17.9	8.1	30.3	7.6	96.0	4.3	5.4					
									1	17.9	8.1	30.3	7.6	96.1	4.3	5.2					
									2	17.2	8.2	29.9	8.0	99.8	4.8	4.4					
		TCE-WQM3A	Fine	Calm	14:12	4.5	Surface	1.0	1	17.2	8.2	29.9	8.0	99.8	4.8	4.2	8.0	4.7	4.7		
							Middle	3.5	1	17.2	8.2	29.9	8.1	100.3	4.6	4.9					
							Bottom		2	17.2	8.2	29.9	8.1	100.3	4.7	5.3					
									1	17.1	8.2	29.8	8.1	100.0	5.2	6.3					
									2	17.1	8.2	29.8	8.1	100.0	5.3	6.1					
									1	16.9	8.2	29.8	8.1	100.0	6.5	5.0					
		TCE-WQM4	Fine	Calm	14:01	3.8	Surface	1.0	1	17.1	8.2	29.8	8.1	100.0	5.2	6.3	8.1	5.9	5.6		
							Middle	2.8	1	16.9	8.2	29.8	8.1	100.0	6.5	5.0					
							Bottom		2	16.9	8.2	29.8	8.1	100.0	6.5	5.0					
									1	17.1	8.2	30.7	7.9	98.5	25.9	29.3					
									2	17.1	8.2	30.7	7.9	98.5	26.7	29.5					
									1	17.1	8.2	30.7	7.9	98.5	20.4	33.4					
		01-01-21	Mid-Flood	TCE-C1	Fine	Rough	10:50	8.2	Surface	1.0	1	17.1	8.2	30.7	7.9	98.5	25.9	29.3	7.9	27.0	37.6
									Middle	4.1	1	17.1	8.2	30.7	7.9	98.5	21.4	33.9			
									Bottom	7.2	1	17.1	8.2	30.7	7.9	98.8	32.8	50.0			
											2	17.1	8.2	30.7	7.9	98.8	34.5	49.6			
											1	17.5	8.1	30.3	7.5	94.5	5.7	7.0			
											2	17.5	8.1	30.3	7.5	94.3	6.5	6.5			
TCE-C2	Fine			Moderate	8:39	14.2	Surface	1.0	1	17.5	8.1	30.3	7.5	94.5	5.7	7.2	7.5	7.3	6.5		
							Middle	7.1	1	17.6	8.1	30.3	7.5	94.3	6.5	6.5					
							Bottom	13.2	1	17.5	8.1	30.3	7.5	94.3	9.6	5.9					
									2	17.5	8.1	30.3	7.5	94.3	9.5	5.9					
									1	16.6	8.2	29.9	7.9	96.8	5.4	6.0					
									2	16.6	8.2	29.9	7.9	96.8	5.4	6.2					
TCE-WQM1	Fine			Calm	9:57	8.0	Surface	1.0	1	16.6	8.2	29.9	7.9	96.8	5.4	6.0	7.8	4.9	6.3		
							Middle	4.0	1	16.5	8.2	29.9	7.8	95.9	4.9	6.1					
							Bottom	7.0	1	16.5	8.2	29.9	7.8	95.8	4.8	6.4					
									2	16.5	8.2	29.9	7.8	95.7	4.6	6.5					
									1	17.0	8.2	29.9	7.8	97.0	9.3	7.7					
									2	17.0	8.2	29.9	7.8	97.0	9.3	7.7					
TCE-WQM2a	Fine			Moderate	9:19	7.1	Surface	1.0	1	17.0	8.2	29.9	7.8	96.9	7.7	8.5	7.8	8.6	8.4		
							Middle	3.6	1	17.0	8.2	29.9	7.8	96.9	7.7	8.2					
							Bottom	6.1	1	17.0	8.2	29.9	7.8	96.9	7.7	8.2					
									2	17.0	8.2	29.9	7.8	96.9	7.7	8.2					
									1	17.0	8.2	29.9	7.9	97.5	8.8	9.3					
									2	17.0	8.2	29.9	7.9	97.7	8.7	9.0					
TCE-WQM2b	Fine			Moderate	9:05	11.4	Surface	1.0	1	17.3	8.2	30.1	7.7	96.1	10.2	11.4	7.7	11.9	13.9		
							Middle	5.7	1	17.3	8.2	30.1	7.7	96.1	10.2	11.7					
							Bottom	10.4	1	17.2	8.1	30.1	7.7	96.1	12.1	14.4					
									2	17.2	8.1	30.1	7.7	96.1	12.3	14.5					
									1	16.8	8.2	30.0	7.8	96.8	13.5	15.4					
									2	16.8	8.2	30.0	7.8	96.8	13.5	15.4					
TCE-WQM3A	Fine			Calm	9:32	4.3	Surface	1.0	1	16.8	8.2	30.0	7.8	95.9	4.7	4.5	7.8	4.8	4.1		
							Middle	3.3	1	16.8	8.2	30.0	7.8	95.9	4.6	4.2					
							Bottom		2	16.8	8.2	30.0	7.9	97.2	4.9	3.8					
									1	16.8	8.2	30.0	7.9	97.2	4.9	3.7					
									1	17.0	8.2	30.0	7.8	96.5	6.7	7.4					
									2	17.0	8.2	30.0	7.8	96.5	6.7	7.6					
TCE-WQM4	Fine			Calm	9:44	3.7	Surface	1.0	1	17.0	8.2	30.0	7.8	96.5	6.7	7.4	7.8	6.8	7.9		
							Middle	2.7	1	17.0	8.2	29.9	7.9	97.5	6.9	8.1					
							Bottom		2	17.0	8.2	29.9	7.9	97.5	6.9	8.1					
									1	17.0	8.2	29.9	7.9	97.6	6.9	8.5					
									1	17.0	8.2	29.9	7.9	97.6	6.9	8.5					
									2	17.0	8.2	29.9	7.9	97.6	6.9	8.5					

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)					
04-01-21	Mid-Ebb	TCE-C1	Fine	Moderate	15:19	7.5	Surface	1.0	1	16.9	8.1	30.1	8.0	98.6	8.8	7.9	9.6	9.7						
									2	16.9	8.1	30.1	8.0	98.5	8.8									
							Middle	3.8	1	16.9	8.1	30.3	7.9	98.3	9.8									
									2	16.9	8.1	30.3	7.9	98.3	9.8									
							Bottom	6.5	1	16.9	8.1	30.3	7.9	98.4	10.1									
									2	16.9	8.1	30.3	7.9	98.5	10.1									
		TCE-C2	Fine	Moderate	17:15	11.1	Surface	1.0	1	17.6	8.1	30.3	7.6	95.8	4.4	7.6	4.6	6.8						
									2	17.6	8.1	30.3	7.6	95.6	4.5									
							Middle	5.6	1	17.6	8.1	30.4	7.5	94.3	4.5									
									2	17.6	8.1	30.4	7.5	94.3	4.6									
							Bottom	10.1	1	17.6	8.1	30.4	7.6	95.2	4.8									
									2	17.6	8.1	30.4	7.6	95.4	4.8									
	TCE-WQM1	Fine	Calm	16:00	7.4	Surface	1.0	1	17.0	8.1	30.2	8.0	99.1	6.5	8.0	6.5	9.1							
								2	17.0	8.1	30.2	8.0	99.1	6.5										
						Middle	3.7	1	17.0	8.1	30.2	8.0	99.1	6.3										
								2	17.0	8.1	30.2	8.0	99.1	6.3										
						Bottom	6.4	1	17.0	8.1	30.2	8.0	99.1	6.6										
								2	17.0	8.1	30.2	8.0	99.1	6.7										
	TCE-WQM2a	Fine	Calm	16:38	7.1	Surface	1.0	1	17.1	8.1	30.1	8.0	100.0	10.8	8.0	11.6	10.6							
								2	17.1	8.1	30.1	8.0	100.0	10.8										
						Middle	3.6	1	17.1	8.1	30.1	8.0	99.8	11.8										
								2	17.1	8.1	30.1	8.0	99.8	11.9										
						Bottom	6.1	1	17.1	8.1	30.1	8.0	99.7	12.2										
								2	17.1	8.1	30.1	8.0	99.7	12.0										
TCE-WQM2b	Fine	Moderate	16:50	10.0	Surface	1.0	1	17.1	8.1	30.1	8.1	100.2	5.5	8.0	6.0	6.4								
							2	17.1	8.1	30.1	8.1	100.0	5.6											
					Middle	5.0	1	17.0	8.1	30.1	8.0	99.5	6.0											
							2	17.0	8.1	30.1	8.0	99.5	6.1											
					Bottom	9.0	1	17.0	8.1	30.1	8.1	100.0	6.4											
							2	17.0	8.1	30.1	8.1	100.0	6.4											
TCE-WQM3A	Fine	Calm	16:26	3.3	Surface	1.0	1	17.4	8.1	30.2	8.2	102.4	6.5	8.2	6.5	4.4								
							2	17.4	8.1	30.2	8.2	102.4	6.5											
					Bottom	2.3	1	17.4	8.1	30.2	8.1	101.7	6.5											
							2	17.4	8.1	30.1	8.1	101.5	6.5											
					TCE-WQM4	Fine	Calm	16:15	3.1	Surface	1.0	1	17.3				8.1	30.2	8.1	101.2	6.9	8.1	7.0	4.8
											2	17.3	8.1				30.2	8.1	101.0	7.0				
Bottom	2.1	1	17.4	8.1	30.0					8.1	101.0	7.0												
		2	17.5	8.1	30.0					8.1	101.2	7.0												
		1	16.9	8.1	30.1					8.0	98.6	11.6												
		2	16.9	8.1	30.1					8.0	98.5	11.7												
04-01-21	Mid-Flood	TCE-C1	Cloudy	Moderate	12:28	7.6	Surface	1.0	1	16.9	8.1	30.1	8.0	98.6	11.6	7.9	12.3	8.1						
									2	16.9	8.1	30.1	8.0	98.5	11.7									
							Middle	3.8	1	16.9	8.1	30.2	7.9	98.3	12.3									
									2	16.9	8.1	30.3	7.9	98.3	12.3									
							Bottom	6.6	1	16.9	8.1	30.3	8.0	98.6	12.9									
									2	16.9	8.1	30.3	8.0	98.7	13.0									
		TCE-C2	Cloudy	Calm	10:28	11.4	Surface	1.0	1	17.0	8.0	30.1	7.9	97.5	5.5	7.8	5.8	5.6						
									2	17.0	8.0	30.1	7.9	97.5	5.5									
							Middle	5.7	1	17.0	8.0	30.1	7.8	96.8	5.8									
									2	17.0	8.0	30.2	7.8	96.8	5.8									
							Bottom	10.4	1	17.0	8.0	30.2	7.8	96.7	5.9									
									2	17.0	8.0	30.2	7.8	96.7	6.0									
	TCE-WQM1	Cloudy	Calm	11:40	8.2	Surface	1.0	1	16.9	8.1	30.2	8.0	98.7	7.2	8.0	7.9	7.5							
								2	16.9	8.1	30.2	8.0	98.6	7.2										
						Middle	4.1	1	16.9	8.1	30.2	8.0	98.6	7.3										
								2	16.9	8.1	30.2	8.0	98.6	7.4										
						Bottom	7.2	1	16.9	8.1	30.2	8.0	98.6	8.9										
								2	16.9	8.1	30.2	8.0	98.6	9.0										
	TCE-WQM2a	Cloudy	Calm	11:04	7.0	Surface	1.0	1	17.1	8.1	30.2	8.0	99.0	6.3	8.0	7.8	6.9							
								2	17.1	8.1	30.2	8.0	99.0	6.3										
						Middle	3.5	1	17.0	8.1	30.2	8.0	98.7	8.2										
								2	17.0	8.1	30.2	8.0	98.8	8.2										
						Bottom	6.0	1	17.0	8.1	30.2	8.0	99.5	8.8										
								2	17.0	8.0	30.2	8.0	99.4	8.9										
TCE-WQM2b	Cloudy	Calm	10:52	10.6	Surface	1.0	1	16.9	8.1	30.2	7.9	98.3	10.4	7.9	11.6	12.5								
							2	16.9	8.1	30.2	7.9	98.3	10.5											
					Middle	5.3	1	16.9	8.1	30.2	7.9	98.0	11.5											
							2	16.9	8.1	30.2	7.9	98.0	11.6											
					Bottom	9.6	1	16.9	8.1	30.2	7.9	98.1	12.8											
							2	16.9	8.1	30.2	7.9	98.2	12.9											
TCE-WQM3A	Cloudy	Calm	11:16	3.6	Surface	1.0	1	17.3	8.1	30.2	7.9	99.1	7.4	7.9	7.5	7.9								
							2	17.3	8.1	30.2	7.9	99.1	7.4											
					Bottom	2.6	1	17.2	8.1	30.2	8.0	99.5	7.4											
							2	17.1	8.1	30.3	8.0	99.6	7.6											
					TCE-WQM4	Cloudy	Calm	11:28	3.4	Surface	1.0	1	17.1				8.1	30.2	8.1	100.6	5.7	8.1	5.8	4.2
											2	17.1	8.1				30.2	8.1	100.7	5.8				
Bottom	2.4	1	17.0	8.0	30.2					8.1	100.0	5.8												
		2	17.0	8.0	30.3					8.1	99.9	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)		
06-01-21	Mid-Ebb	TCE-C1	Fine	Moderate	19:45	8.7	Surface	1.0	1	17.5	8.3	31.4	8.0	100.5	1.8	6.3	7.9	1.6	6.8		
									2	17.5	8.3	31.4	8.0	100.5	1.8	6.2					
							Middle	4.4	1	17.6	8.3	31.6	7.9	100.4	1.7	6.7					
								2	17.6	8.3	31.6	7.9	100.4	1.7	6.4						
							Bottom	7.7	1	17.6	8.3	31.7	8.0	100.8	1.4	7.3					
								2	17.6	8.3	31.7	8.0	100.8	1.4	7.6						
		TCE-C2	Fine	Moderate	17:25	12.2	Surface	1.0	1	17.5	8.2	31.3	7.9	100.2	3.7	6.4	7.9	7.3	6.8		
									2	17.5	8.2	31.3	7.9	100.2	3.7	6.0					
							Middle	6.1	1	17.5	8.2	31.3	7.9	99.7	7.6	6.8					
								2	17.5	8.2	31.3	7.9	99.7	7.6	6.3						
							Bottom	11.2	1	17.5	8.2	31.4	7.9	99.2	10.5	7.6					
								2	17.5	8.2	31.4	7.9	99.2	10.5	7.6						
		TCE-WQM1	Fine	Moderate	19:04	8.6	Surface	1.0	1	17.6	8.3	31.7	8.0	102.0	1.7	4.6	8.0	1.5	5.6		
									2	17.6	8.3	31.7	8.0	102.0	1.7	4.9					
							Middle	4.3	1	17.6	8.3	31.8	8.0	101.7	1.5	5.7					
								2	17.6	8.3	31.8	8.0	101.8	1.5	5.2						
							Bottom	7.6	1	17.6	8.3	31.8	8.0	101.3	1.4	6.3					
								2	17.6	8.3	31.8	8.0	101.3	1.4	6.6						
		TCE-WQM2a	Fine	Moderate	18:27	7.1	Surface	1.0	1	17.6	8.3	32.0	7.9	100.4	1.2	5.6	7.9	1.2	7.2		
									2	17.6	8.3	32.0	7.9	100.4	1.2	5.5					
							Middle	3.6	1	17.6	8.3	31.9	7.9	100.8	1.3	6.6					
								2	17.6	8.3	31.9	7.9	100.8	1.3	6.4						
							Bottom	6.1	1	17.6	8.3	31.9	7.9	100.4	1.2	9.6					
								2	17.6	8.3	31.9	7.9	100.4	1.2	9.6						
		TCE-WQM2b	Fine	Moderate	18:15	11.0	Surface	1.0	1	17.5	8.2	31.3	7.9	100.2	2.4	6.7	7.9	2.7	7.7		
									2	17.5	8.2	31.3	7.9	100.2	2.4	6.9					
							Middle	5.5	1	17.5	8.2	31.3	7.9	99.9	2.5	7.9					
								2	17.5	8.2	31.3	7.9	99.9	2.5	7.7						
							Bottom	10.0	1	17.5	8.2	31.4	7.9	99.5	3.3	8.3					
								2	17.5	8.2	31.4	7.9	99.5	3.3	8.6						
		TCE-WQM3A	Fine	Moderate	18:41	4.0	Surface	1.0	1	17.8	8.3	31.8	7.9	100.8	1.7	9.1	7.9	4.2	8.5		
									2	17.8	8.3	31.8	7.9	100.8	1.7	9.1					
							Bottom	3.0	1	17.8	8.3	31.8	8.0	101.4	6.6	7.9					
								2	17.8	8.3	31.8	8.0	101.4	6.6	7.5						
							Surface	1.0	1	17.6	8.3	32.0	8.0	101.3	17.0	10.1					
								2	17.6	8.3	32.0	8.0	101.3	17.0	10.1						
		TCE-WQM4	Fine	Moderate	18:52	3.6	Surface	1.0	1	17.6	8.3	32.0	8.0	101.0	4.7	8.3	8.0	10.9	9.2		
									2	17.6	8.3	32.0	8.0	101.0	4.7	8.3					
							Bottom	2.6	1	17.6	8.3	32.0	8.0	101.0	4.7	8.3					
								2	17.6	8.3	32.0	8.0	101.0	4.7	8.3						
							Surface	1.0	1	17.5	8.3	31.2	8.1	101.5	1.5	5.5					
								2	17.5	8.3	31.2	8.1	101.5	1.5	5.4						
		06-01-21	Mid-Flood	TCE-C1	Fine	Moderate	11:24	8.5	Surface	1.0	1	17.5	8.3	31.2	8.1	101.5	1.5	5.5	8.0	1.4	6.1
											2	17.5	8.3	31.2	8.1	101.5	1.5	5.4			
									Middle	4.3	1	17.5	8.3	31.5	8.0	101.2	1.4	5.9			
										2	17.5	8.3	31.5	8.0	101.2	1.4	6.0				
									Bottom	7.5	1	17.6	8.3	31.6	8.0	101.3	1.2	7.2			
										2	17.6	8.3	31.6	8.0	101.3	1.1	6.8				
TCE-C2	Fine			Moderate	13:47	12.5	Surface	1.0	1	18.1	8.3	31.9	7.5	96.2	-0.1	5.3	7.5	0.9	4.0		
									2	18.1	8.3	31.9	7.5	96.2	-0.1	5.5					
							Middle	6.3	1	18.1	8.2	32.0	7.4	95.5	0.8	3.3					
								2	18.1	8.2	32.0	7.4	95.5	0.8	3.5						
							Bottom	11.5	1	18.1	8.2	32.1	7.5	95.9	2.0	3.2					
								2	18.1	8.2	32.1	7.5	95.9	2.0	3.1						
TCE-WQM1	Fine			Moderate	12:27	8.1	Surface	1.0	1	17.9	8.3	31.8	8.1	103.4	1.3	6.0	8.1	2.1	5.7		
									2	17.9	8.3	31.8	8.1	103.5	1.3	6.1					
							Middle	4.1	1	17.7	8.3	31.8	8.1	103.1	2.2	5.6					
								2	17.7	8.3	31.8	8.1	103.1	2.2	6.0						
							Bottom	7.1	1	17.7	8.3	31.8	8.1	102.5	2.7	5.3					
								2	17.7	8.3	31.8	8.1	102.5	2.7	5.3						
TCE-WQM2a	Fine			Moderate	13:04	7.3	Surface	1.0	1	17.8	8.3	31.4	8.1	103.4	0.8	5.0	8.1	2.0	6.5		
									2	17.8	8.3	31.4	8.1	103.4	0.8	5.0					
							Middle	3.7	1	17.6	8.3	31.5	8.1	102.7	2.1	6.8					
								2	17.6	8.3	31.5	8.1	102.7	2.1	6.5						
							Bottom	6.3	1	17.7	8.3	31.6	8.1	102.6	3.1	7.9					
								2	17.7	8.3	31.6	8.1	102.6	3.1	7.5						
TCE-WQM2b	Fine			Moderate	13:16	11.1	Surface	1.0	1	17.7	8.3	31.5	8.1	102.6	0.2	7.2	8.1	0.2	5.9		
									2	17.7	8.3	31.5	8.1	102.6	0.2	7.4					
							Middle	5.6	1	17.7	8.3	31.5	8.1	102.3	0.1	6.0					
								2	17.7	8.3	31.5	8.1	102.3	0.1	5.7						
							Bottom	10.1	1	17.7	8.3	31.6	8.1	102.3	0.2	4.6					
								2	17.7	8.3	31.6	8.1	102.3	0.2	4.4						
TCE-WQM3A	Fine			Moderate	12:51	3.5	Surface	1.0	1	17.9	8.4	31.7	8.1	103.6	3.4	8.5	8.1	3.3	7.8		
									2	17.9	8.4	31.7	8.1	103.6	3.4	8.5					
							Bottom	2.5	1	17.8	8.4	31.7	8.1	103.1	3.2	7.4					
								2	17.8	8.4	31.7	8.1	103.1	3.2	7.2						
							Surface	1.0	1	17.7	8.3	31.7	8.2	104.0	1.1	6.4					
								2	17.7	8.3	31.7	8.2	104.1	1.2	6.8						
TCE-WQM4	Fine			Moderate	12:39	3.3	Surface	1.0	1	17.7	8.3	31.7	8.1	103.3	1.7	4.3	8.1	1.4	5.5		
									2	17.7	8.3	31.7	8.1	103.3	1.7	4.3					
							Bottom	2.3	1	17.7	8.3	31.7	8.1	103.3	1.7	4.3					
								2	17.7	8.3	31.7	8.1	103.3	1.7	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)					
08-01-21	Mid-Ebb	TCE-C1	Cloudy	Rough	9:57	7.8	Surface	1.0	1	17.0	8.3	32.1	8.1	101.5	2.7	7.3	8.1	2.8	7.0					
							Middle	3.9	1	17.0	8.3	32.1	8.1	101.6	2.8	7.1								
							Bottom	6.8	1	17.0	8.3	32.1	8.2	102.2	2.8	7.0								
				TCE-C2	Cloudy	Moderate	7:43	11.8	Surface	1.0	1	17.7	8.2	32.2	7.6	96.2	0.2	4.5	7.5	1.3	3.5			
		Middle	5.9						1	17.7	8.2	32.2	7.5	95.7	1.3	3.4								
		Bottom	10.8						1	17.6	8.2	32.2	7.6	96.2	1.3	4.0								
				TCE-WQM1	Cloudy	Calm	8:56	8.1	Surface	1.0	1	16.9	8.3	31.6	8.1	101.6	0.4	3.6	8.1	0.4	4.3			
		Middle	4.1						1	16.9	8.3	31.6	8.1	101.7	0.4	2.8								
		Bottom	7.1						1	16.9	8.3	31.6	8.2	102.2	0.4	4.3								
				TCE-WQM2a	Cloudy	Calm	8:22	7.2	Surface	1.0	1	17.1	8.3	31.8	8.0	99.9	0.6	3.8	8.0	1.4	3.1			
		Middle	3.6						1	17.1	8.3	31.8	7.9	99.8	0.6	3.2								
		Bottom	6.2						1	17.2	8.3	31.8	8.0	100.2	2.0	3.1								
				TCE-WQM2b	Cloudy	Moderate	8:10	10.6	Surface	1.0	1	17.6	8.3	32.1	7.6	96.7	0.9	3.4	7.6	1.7	3.5			
		Middle	5.3						1	17.6	8.2	32.1	7.6	96.5	1.5	3.1								
		Bottom	9.6						1	17.7	8.2	32.1	7.7	97.8	2.6	4.0								
				TCE-WQM3A	Cloudy	Calm	8:33	3.8	Surface	1.0	1	16.8	8.5	31.6	8.3	103.6	5.5	11.9	8.3	6.0	10.2			
		Middle	2.8						1	16.8	8.5	31.6	8.4	104.6	6.4	9.0								
		Bottom	2.8						2	16.8	8.5	31.7	8.4	105.0	6.5	8.1								
				TCE-WQM4	Cloudy	Calm	8:44	3.7	Surface	1.0	1	16.9	8.4	31.7	8.3	104.2	1.4	7.7	8.3	1.6	7.2			
		Middle	2.7						1	16.9	8.4	31.7	8.5	106.0	1.7	7.4								
		Bottom	2.7						2	16.9	8.4	31.7	8.5	106.3	1.9	6.6								
		08-01-21	Mid-Flood	TCE-C1	Cloudy	Rough	12:57	7.9	Surface	1.0	1	17.0	8.3	32.1	8.1	101.7	2.7	6.5	8.2	3.0	6.6			
									Middle	4.0	1	17.0	8.3	32.1	8.2	103.3	2.9	6.8						
									Bottom	6.9	1	17.0	8.3	32.1	8.3	104.5	3.2	7.0						
				TCE-C2	Cloudy	Moderate	15:00	11.5	Surface	1.0	1	17.9	8.3	32.3	7.8	99.6	0.3	3.1	7.8	1.3	3.4			
Middle	5.8								1	17.9	8.3	32.3	7.8	99.9	1.2	4.2								
Bottom	10.5								1	17.9	8.3	32.3	7.9	100.9	2.3	4.1								
				TCE-WQM1	Cloudy	Calm	13:37	8.0	Surface	1.0	1	16.8	8.4	31.7	8.3	103.4	1.2	4.8	8.3	1.3	4.5			
Middle	4.0								1	16.8	8.4	31.7	8.3	103.2	1.3	5.1								
Bottom	7.0								1	16.8	8.4	31.7	8.3	103.6	1.3	3.3								
				TCE-WQM2a	Cloudy	Moderate	14:18	7.0	Surface	1.0	1	17.4	8.3	32.0	8.1	101.9	1.1	3.7	8.1	3.0	3.1			
Middle	3.5								1	17.4	8.3	32.0	8.1	102.9	3.2	2.9								
Bottom	6.0								1	17.4	8.3	32.0	8.2	103.5	3.3	3.2								
				TCE-WQM2b	Cloudy	Moderate	14:30	10.2	Surface	1.0	1	17.8	8.3	32.2	7.9	100.5	1.5	3.9	7.9	3.1	3.4			
Middle	5.1								1	17.8	8.3	32.2	8.0	101.6	3.8	3.2								
Bottom	9.2								1	17.8	8.3	32.2	8.2	104.2	4.1	2.4								
				TCE-WQM3A	Cloudy	Calm	14:05	3.3	Surface	1.0	1	16.6	8.5	31.7	8.4	104.1	4.7	10.5	8.4	4.7	11.1			
Middle	2.3								1	16.6	8.4	31.8	8.4	104.9	4.6	11.7								
Bottom	2.3								2	16.6	8.4	31.8	8.5	105.4	4.7	11.0								
				TCE-WQM4	Cloudy	Calm	13:53	3.2	Surface	1.0	1	16.9	8.3	31.8	8.4	105.0	2.6	5.5	8.4	3.6	6.3			
Middle	2.2								1	16.9	8.3	31.7	8.6	107.0	4.2	7.0								
Bottom	2.2								2	16.9	8.3	31.7	8.6	107.8	4.8	7.1								

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)
11-01-21	Mid-Ebb	TCE-C1	Cloudy	Rough	13:10	8.4	Surface	1.0	1	15.3	8.3	32.5	8.6	104.7	4.2	11.2	8.7	4.8	9.8
							Middle	4.2	1	15.3	8.3	32.5	8.8	107.0	5.1	8.7			
							Bottom	7.4	1	15.4	8.3	32.6	8.9	108.7	5.0	9.0			
							Surface	1.0	2	15.4	8.3	32.6	8.9	108.8	5.1	8.0			
							Middle	4.2	2	15.3	8.3	32.5	8.6	104.6	4.3	12.4			
							Bottom	7.4	2	15.3	8.3	32.5	8.8	106.9	5.1	8.7			
		TCE-C2	Cloudy	Moderate	10:34	12.6	Surface	1.0	1	17.0	8.0	32.0	9.2	115.6	4.5	4.2	9.2	4.2	4.7
							Middle	6.3	1	17.0	8.0	32.0	9.2	115.5	3.1	4.4			
							Bottom	11.6	1	17.0	8.0	32.0	9.2	114.9	3.2	4.8			
							Surface	1.0	2	16.9	8.0	32.0	8.6	107.2	4.9	5.6			
							Middle	6.3	2	16.9	8.0	32.0	8.7	121.9	5.1	4.8			
							Bottom	11.6	2	16.9	8.0	32.0	8.7	104.4	3.1	4.6			
	TCE-WQM1	Cloudy	Moderate	11:58	8.2	Surface	1.0	1	15.2	8.2	32.1	8.6	104.3	3.1	5.2	8.7	4.2	4.4	
						Middle	4.1	1	15.2	8.2	32.1	8.7	105.2	4.4	4.0				
						Bottom	7.2	1	15.2	8.2	32.1	8.7	105.5	4.4	4.5				
						Surface	1.0	2	15.2	8.2	32.1	8.9	107.9	5.2	4.0				
						Middle	4.1	2	15.2	8.2	32.1	8.9	107.9	5.2	4.3				
						Bottom	7.2	2	15.2	8.2	32.3	8.5	104.9	5.4	10.2				
	TCE-WQM2a	Cloudy	Moderate	11:20	7.1	Surface	1.0	1	15.9	8.2	32.3	8.5	104.9	5.4	9.5	8.6	5.5	12.5	
						Middle	3.6	1	15.9	8.2	32.3	8.7	106.6	5.6	13.5				
						Bottom	6.1	1	15.9	8.2	32.3	8.7	106.6	5.6	12.6				
						Surface	1.0	2	15.9	8.2	32.3	8.8	108.6	5.4	14.1				
						Middle	3.6	2	15.9	8.2	32.3	8.8	108.5	5.3	14.8				
						Bottom	6.1	2	15.9	8.2	32.3	8.8	108.6	5.4	14.1				
TCE-WQM2b	Cloudy	Moderate	11:07	10.8	Surface	1.0	1	16.7	8.1	32.5	8.5	105.8	1.8	6.8	8.5	2.1	6.2		
					Middle	5.4	1	16.7	8.1	32.4	8.6	107.5	2.1	6.6					
					Bottom	9.8	1	16.7	8.1	32.4	8.6	107.5	2.1	6.8					
					Surface	1.0	2	16.7	8.1	32.4	8.9	111.4	2.4	5.7					
					Middle	5.4	2	16.7	8.1	32.4	9.0	112.5	2.3	4.8					
					Bottom	9.8	2	16.7	8.1	32.4	9.0	112.5	2.3	4.8					
TCE-WQM3A	Cloudy	Calm	11:34	4.4	Surface	1.0	1	16.0	8.2	32.3	8.9	110.3	6.8	15.8	8.9	6.6	16.9		
					Middle	3.4	1	16.0	8.2	32.3	9.0	110.5	6.8	14.5					
					Bottom	3.4	2	16.0	8.2	32.3	9.2	113.0	6.5	19.3					
TCE-WQM4	Cloudy	Calm	11:44	3.7	Surface	1.0	1	16.2	8.2	32.4	8.7	108.0	1.0	6.2	8.7	1.1	5.8		
					Middle	2.7	1	16.2	8.2	32.4	8.7	107.9	1.1	5.5					
					Bottom	2.7	2	16.2	8.2	32.4	9.0	111.5	1.2	6.0					
11-01-21	Mid-Flood	TCE-C1	Cloudy	Rough	15:10	8.4	Surface	1.0	1	15.3	8.2	32.5	8.5	103.9	4.3	10.8	8.6	4.7	10.1
							Middle	4.2	1	15.3	8.2	32.5	8.6	104.2	4.8	10.5			
							Bottom	7.4	1	15.2	8.2	32.5	8.6	104.1	4.9	9.7			
							Surface	1.0	2	15.3	8.2	32.5	8.5	104.0	4.3	9.9			
							Middle	4.2	2	15.3	8.2	32.5	8.6	104.4	4.9	9.6			
							Bottom	7.4	2	15.2	8.2	32.5	8.6	104.1	4.9	9.7			
		TCE-C2	Cloudy	Rough	17:12	12.9	Surface	1.0	1	16.9	8.2	32.6	8.3	104.1	1.5	4.9	8.3	1.7	4.4
							Middle	6.5	1	16.9	8.2	32.6	8.3	104.7	1.4	4.1			
							Bottom	11.9	1	16.9	8.2	32.6	8.3	104.6	1.4	4.6			
							Surface	1.0	2	16.9	8.2	32.6	8.5	106.8	2.0	4.1			
							Middle	6.5	2	16.9	8.2	32.6	8.5	107.3	2.1	4.4			
							Bottom	11.9	2	16.9	8.2	32.6	8.5	107.3	2.1	4.4			
	TCE-WQM1	Cloudy	Moderate	15:40	8.2	Surface	1.0	1	15.1	8.3	32.1	9.0	108.3	4.3	3.6	9.0	4.7	4.3	
						Middle	4.1	1	15.1	8.3	32.1	9.0	109.4	4.1	4.6				
						Bottom	7.2	1	15.1	8.3	32.1	9.1	109.7	4.1	4.4				
						Surface	1.0	2	15.0	8.3	32.1	9.2	110.8	5.8	4.9				
						Middle	4.1	2	15.0	8.3	32.1	9.2	111.4	5.8	4.5				
						Bottom	7.2	2	15.0	8.3	32.1	9.2	111.4	5.8	4.5				
	TCE-WQM2a	Cloudy	Moderate	16:24	7.2	Surface	1.0	1	16.2	8.2	32.4	8.7	107.4	1.8	8.0	8.7	3.1	7.1	
						Middle	3.6	1	16.2	8.2	32.4	8.8	108.7	3.4	7.6				
						Bottom	6.2	1	16.2	8.2	32.4	8.8	108.6	3.4	7.4				
						Surface	1.0	2	16.2	8.2	32.4	9.0	111.0	4.0	5.7				
						Middle	3.6	2	16.2	8.2	32.4	9.0	111.2	4.3	6.2				
						Bottom	6.2	2	16.2	8.2	32.4	9.0	111.2	4.3	6.2				
TCE-WQM2b	Cloudy	Rough	16:37	10.6	Surface	1.0	1	16.8	8.2	32.6	8.5	106.4	2.3	7.9	8.5	1.8	6.7		
					Middle	5.3	1	16.8	8.2	32.6	8.5	106.3	2.2	7.2					
					Bottom	9.6	1	16.8	8.2	32.6	8.6	107.5	1.6	6.0					
					Surface	1.0	2	16.8	8.2	32.6	8.6	107.7	1.6	6.6					
					Middle	5.3	2	16.8	8.2	32.6	8.8	109.8	1.6	6.5					
					Bottom	9.6	2	16.8	8.2	32.5	8.8	109.9	1.6	6.2					
TCE-WQM3A	Cloudy	Moderate	16:10	4.5	Surface	1.0	1	15.8	8.3	32.4	8.8	107.8	11.3	21.5	8.8	11.6	21.1		
					Middle	3.5	1	15.8	8.3	32.4	8.8	107.7	11.2	21.5					
					Bottom	3.5	2	15.8	8.3	32.3	9.0	110.9	12.0	20.8					
TCE-WQM4	Cloudy	Moderate	15:58	3.9	Surface	1.0	1	15.6	8.2	32.3	8.9	108.8	9.4	19.2	8.9	10.0	20.6		
					Middle	2.9	1	15.6	8.2	32.3	8.9	108.8	9.3	18.0					
					Bottom	2.9	2	15.6	8.3	32.2	9.1	111.5	10.6	23.0					

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)			
13-01-21	Mid-Ebb	TCE-C1	Cloudy	Calm	11:43	8.5	Surface	1.0	1	15.2	8.1	30.6	9.2	110.8	5.8	7.2	9.2	7.4	11.0			
									2	15.1	8.1	30.6	9.2	110.7	5.9	6.2						
							Middle	4.3	1	15.1	8.1	30.9	9.2	109.9	7.1	10.3						
								2	15.1	8.1	30.9	9.1	109.8	7.1	9.9							
							Bottom	7.5	1	15.2	8.1	31.4	9.0	108.9	9.4	15.6						
								2	15.2	8.1	31.4	9.0	108.9	9.3	17.0							
		TCE-C2	Cloudy	Moderate	13:35	13.1	Surface	1.0	1	16.7	8.1	31.8	9.0	111.9	2.2	3.0	9.0	1.9	3.2			
									2	16.7	8.1	31.8	9.0	112.0	2.2	3.1						
							Middle	6.6	1	16.7	8.1	31.8	9.0	112.1	1.6	3.1						
								2	16.7	8.1	31.8	9.0	112.0	1.7	3.1							
							Bottom	12.1	1	16.9	8.1	31.9	9.1	113.3	1.8	3.4						
								2	16.9	8.1	31.9	9.1	113.3	1.8	3.7							
		TCE-WQM1	Cloudy	Calm	12:22	8.4	Surface	1.0	1	14.8	8.1	31.4	9.4	112.0	5.8	6.4	9.4	5.1	6.7			
									2	14.8	8.1	31.4	9.4	112.0	5.8	6.6						
							Middle	4.2	1	14.8	8.1	31.5	9.4	112.1	4.6	6.7						
								2	14.8	8.1	31.5	9.4	112.1	4.9	6.6							
							Bottom	7.4	1	15.4	8.1	31.5	9.3	113.2	4.7	6.8						
								2	15.4	8.1	31.5	9.3	113.1	4.7	6.8							
		TCE-WQM2a	Cloudy	Moderate	12:57	7.1	Surface	1.0	1	16.2	8.1	31.6	9.2	113.5	4.1	3.9	9.2	3.7	3.9			
									2	16.2	8.1	31.6	9.2	113.5	4.1	3.8						
							Middle	3.6	1	16.2	8.1	31.6	9.2	113.6	3.4	3.6						
								2	16.2	8.1	31.6	9.2	113.6	3.4	3.7							
							Bottom	6.1	1	16.2	8.1	31.6	9.3	114.2	3.7	4.0						
								2	16.2	8.1	31.6	9.3	114.2	3.8	4.2							
		TCE-WQM2b	Cloudy	Moderate	13:11	11.2	Surface	1.0	1	16.1	8.1	31.7	9.2	112.8	3.8	3.9	9.2	4.1	4.1			
									2	16.1	8.1	31.7	9.2	112.8	4.0	3.9						
							Middle	5.6	1	16.0	8.1	31.6	9.2	112.7	4.6	4.1						
								2	16.0	8.1	31.6	9.2	112.7	4.5	4.0							
							Bottom	10.2	1	16.0	8.1	31.6	9.1	111.8	3.8	4.4						
								2	16.0	8.1	31.6	9.1	111.7	3.8	4.5							
		TCE-WQM3A	Cloudy	Calm	12:46	4.5	Surface	1.0	1	16.0	8.1	31.6	9.4	115.4	8.9	15.0	9.4	9.8	17.1			
									2	16.0	8.1	31.6	9.4	115.4	8.9	15.6						
							Bottom	3.5	1	16.0	8.1	31.7	9.5	116.4	10.8	19.0						
								2	16.0	8.1	31.7	9.5	116.5	10.8	19.0							
							Surface	1.0	1	16.1	8.1	31.7	9.5	117.1	3.8	3.8				9.5	4.4	3.7
									2	16.1	8.1	31.7	9.5	117.2	3.9	3.0						
		Bottom	2.8	1	15.9	8.1	31.6	9.6	117.7	4.6	4.1											
			2	15.9	8.1	31.6	9.6	117.7	5.3	3.9												
		Surface	1.0	1	15.1	8.1	30.5	9.3	110.9	7.2	7.4	9.2	8.0	10.4								
				2	15.1	8.1	30.5	9.2	110.8	7.4	8.2											
		Middle	4.1	1	15.1	8.1	31.1	9.1	110.0	8.5	10.8											
			2	15.1	8.1	31.1	9.1	109.9	9.1	10.8												
		Bottom	7.2	1	15.4	8.1	31.2	9.1	110.4	8.1	12.3											
			2	15.4	8.1	31.2	9.1	110.5	8.0	12.7												
		TCE-C2	Cloudy	Moderate	6:50	12.8	Surface	1.0	1	16.2	8.2	31.8	8.8	108.8	2.7	3.4	8.8	3.1	4.1			
									2	16.2	8.2	31.8	8.8	108.8	2.8	3.1						
							Middle	6.4	1	16.2	8.2	31.7	8.8	108.6	3.9	3.9						
								2	16.2	8.2	31.7	8.8	108.7	3.9	4.2							
Bottom	11.8						1	15.8	8.1	31.3	8.9	108.3	2.7	4.9								
	2						15.8	8.1	31.4	8.9	108.4	2.7	5.2									
TCE-WQM1	Cloudy	Calm	8:03	8.3	Surface	1.0	1	14.7	8.1	31.4	9.3	110.8	7.9	3.2	9.3	5.5	3.4					
							2	14.7	8.1	31.4	9.3	110.7	9.4	3.0								
					Middle	4.2	1	14.7	8.1	31.4	9.3	111.0	3.8	3.5								
						2	14.7	8.1	31.4	9.3	111.0	3.6	3.4									
					Bottom	7.3	1	14.5	8.1	31.3	9.4	111.3	4.1	3.8								
						2	14.5	8.1	31.3	9.4	111.4	4.2	3.6									
TCE-WQM2a	Cloudy	Moderate	7:27	6.8	Surface	1.0	1	15.3	8.1	31.5	9.1	110.4	4.5	6.2	9.1	6.8	8.8					
							2	15.3	8.1	31.5	9.1	110.4	4.5	7.4								
					Middle	3.4	1	15.3	8.1	31.4	9.1	110.4	6.9	8.0								
						2	15.3	8.1	31.4	9.1	110.4	6.9	8.2									
					Bottom	5.8	1	15.0	8.1	31.2	9.2	109.9	9.3	11.0								
						2	15.0	8.1	31.3	9.2	110.0	9.0	11.8									
TCE-WQM2b	Cloudy	Moderate	7:12	10.4	Surface	1.0	1	15.4	8.1	31.5	9.1	109.9	4.4	6.4	9.1	5.4	6.7					
							2	15.4	8.1	31.5	9.1	109.9	4.4	6.2								
					Middle	5.2	1	15.4	8.1	31.5	9.1	110.2	4.5	6.8								
						2	15.4	8.1	31.5	9.1	110.3	4.7	6.8									
					Bottom	9.4	1	15.2	8.0	31.3	9.2	110.9	7.1	7.1								
						2	15.2	8.0	31.3	9.2	111.1	7.0	7.1									
TCE-WQM3A	Cloudy	Calm	7:37	4.5	Surface	1.0	1	15.5	8.1	31.5	9.3	113.0	4.7	5.0	9.3	4.9	5.6					
							2	15.4	8.1	31.5	9.3	112.9	4.8	5.0								
					Bottom	3.5	1	15.3	8.0	31.5	9.4	113.5	5.0	6.4								
						2	15.3	8.0	31.5	9.4	113.7	5.1	6.1									
					Surface	1.0	1	15.5	8.1	31.5	9.3	112.7	3.8	4.2				9.3	4.4	5.1		
							2	15.5	8.1	31.5	9.3	112.8	4.0	4.6								
Bottom	2.7	1	15.1	8.1	31.4	9.3	111.9	5.0	5.7													
	2	15.1	8.1	31.4	9.3	111.9	4.9	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)			
15-01-21	Mid-Ebb	TCE-C1	Fine	Moderate	13:04	7.9	Surface	1.0	1	15.7	8.1	31.9	8.8	107.9	5.7	8.8	8.0	10.0				
									2	15.7	8.1	31.9	8.8	107.9	5.8				9.4			
							Middle	4.0	1	15.6	8.1	32.2	8.7	106.0	7.2				9.7			
									2	15.6	8.1	32.2	8.7	105.9	7.3				9.9			
							Bottom	6.9	1	15.6	8.1	32.3	8.6	104.5	10.8				10.5			
									2	15.6	8.1	32.3	8.5	104.4	10.9				11.3			
		TCE-C2	Fine	Moderate	14:54	14.5	Surface	1.0	1	16.3	8.1	32.2	8.8	108.6	0.9	4.3	8.6	1.2	4.8			
									2	16.3	8.1	32.2	8.8	108.5	1.0	5.1						
							Middle	7.3	1	16.2	8.1	32.5	8.4	103.5	1.2	5.0						
									2	16.2	8.1	32.5	8.4	103.4	1.2	4.5						
							Bottom	13.5	1	16.1	8.1	32.5	8.3	102.5	1.5	5.2						
									2	16.1	8.1	32.5	8.3	102.5	1.5	4.8						
		TCE-WQM1	Fine	Calm	13:45	8.7	Surface	1.0	1	15.8	8.1	32.2	9.1	111.8	1.2	6.3	9.1	2.7	5.8			
									2	15.8	8.1	32.2	9.1	111.9	1.3	6.0						
							Middle	4.4	1	15.8	8.2	32.1	9.0	110.6	2.4	5.8						
									2	15.8	8.2	32.1	9.0	110.4	2.5	5.5						
							Bottom	7.7	1	15.8	8.2	32.2	8.7	106.3	4.5	5.7						
									2	15.8	8.2	32.2	8.7	106.1	4.5	5.4						
		TCE-WQM2a	Fine	Moderate	14:19	7.5	Surface	1.0	1	16.0	8.1	31.9	9.3	114.3	2.0	9.3	9.2	2.3	8.4			
									2	16.0	8.1	31.9	9.3	114.3	2.0	8.4						
							Middle	3.8	1	15.7	8.1	32.0	9.1	111.0	2.2	9.0						
									2	15.7	8.1	32.0	9.1	111.1	2.2	8.2						
							Bottom	6.5	1	15.6	8.1	32.1	8.9	108.5	2.7	8.0						
									2	15.6	8.1	32.1	8.9	108.5	2.7	7.7						
		TCE-WQM2b	Fine	Moderate	14:30	12.6	Surface	1.0	1	15.8	8.1	32.1	9.1	111.7	0.8	5.4	9.0	1.0	5.6			
									2	15.8	8.1	32.1	9.1	111.6	0.9	5.2						
							Middle	6.3	1	15.8	8.1	32.1	8.9	109.1	1.0	5.3						
									2	15.8	8.1	32.1	8.9	109.1	1.0	6.0						
							Bottom	11.6	1	15.7	8.1	32.1	8.8	107.9	1.0	5.3						
									2	15.7	8.1	32.1	8.8	107.9	1.0	6.3						
		TCE-WQM3A	Fine	Calm	14:08	4.4	Surface	1.0	1	16.4	8.2	32.3	9.1	113.4	3.4	8.6	9.1	4.0	8.4			
									2	16.4	8.2	32.3	9.1	113.4	3.5	8.4						
							Bottom	3.4	1	16.0	8.2	32.4	8.7	107.0	4.6	8.6						
									2	16.0	8.2	32.4	8.7	106.8	4.6	7.8						
							Surface	1.0	1	16.1	8.2	32.2	9.4	115.9	2.5	7.2				9.4	4.4	7.7
									2	16.1	8.2	32.2	9.4	115.9	2.5	6.5						
Middle	2.6	1	16.0	8.2	32.3	9.1	112.4	6.2	8.1													
		2	16.0	8.2	32.3	9.1	112.3	6.3	8.8													
Bottom	2.6	1	16.0	8.2	32.3	9.1	112.4	6.2	8.1													
		2	16.0	8.2	32.3	9.1	112.3	6.3	8.8													
15-01-21	Mid-Flood	TCE-C1	Fine	Moderate	10:33	8.2	Surface	1.0	1	15.6	8.1	32.1	8.7	105.9	9.4	13.4	8.6	12.5	11.9			
									2	15.6	8.1	32.1	8.7	105.9	9.4	8.9						
							Middle	4.1	1	15.5	8.1	32.2	8.6	104.7	12.2	8.3						
									2	15.5	8.1	32.2	8.6	104.8	12.3	13.9						
							Bottom	7.2	1	15.5	8.1	32.3	8.5	103.5	15.9	13.2						
									2	15.5	8.1	32.3	8.5	103.6	15.8	13.9						
		TCE-C2	Fine	Moderate	8:35	14.3	Surface	1.0	1	15.7	8.0	32.2	8.7	106.4	4.4	9.2	8.7	6.5	8.4			
									2	15.7	8.0	32.2	8.7	106.3	4.5	8.6						
							Middle	7.2	1	15.8	8.0	32.3	8.6	105.9	6.5	9.0						
									2	15.8	8.0	32.3	8.7	106.2	6.6	8.2						
							Bottom	13.3	1	15.7	8.0	32.2	8.5	104.8	8.4	8.0						
									2	15.7	8.0	32.2	8.5	104.8	8.4	7.2						
		TCE-WQM1	Fine	Calm	9:49	8.6	Surface	1.0	1	15.6	8.1	32.3	9.0	110.6	2.1	7.7	9.0	2.2	7.8			
									2	15.6	8.1	32.3	9.0	110.4	2.1	7.5						
							Middle	4.3	1	15.6	8.1	32.3	9.0	109.8	2.5	8.0						
									2	15.6	8.1	32.3	9.0	109.8	2.5	7.7						
							Bottom	7.6	1	15.6	8.2	32.3	8.9	108.4	2.1	8.2						
									2	15.6	8.2	32.3	8.9	108.3	1.8	7.6						
		TCE-WQM2a	Fine	Moderate	9:14	7.3	Surface	1.0	1	15.5	8.1	31.9	9.0	109.8	2.1	8.3	8.9	2.6	8.8			
									2	15.5	8.1	31.9	9.0	109.8	2.1	7.8						
							Middle	3.7	1	15.5	8.1	32.0	8.9	108.0	2.5	9.2						
									2	15.5	8.1	32.0	8.9	108.0	2.5	8.6						
							Bottom	6.3	1	15.5	8.1	32.1	8.7	105.8	3.0	9.8						
									2	15.5	8.1	32.1	8.7	105.8	3.1	8.9						
		TCE-WQM2b	Fine	Moderate	8:59	11.8	Surface	1.0	1	15.5	8.1	32.0	8.9	108.4	3.6	9.4	8.8	5.5	10.1			
									2	15.5	8.1	32.0	8.9	108.4	3.6	10.0						
							Middle	5.9	1	15.4	8.1	32.0	8.8	107.0	5.2	9.3						
									2	15.4	8.1	32.0	8.8	106.9	5.4	10.1						
							Bottom	10.8	1	15.5	8.1	32.0	8.7	105.9	7.8	10.6						
									2	15.5	8.1	32.0	8.7	105.9	7.6	10.9						
		TCE-WQM3A	Fine	Calm	9:26	4.2	Surface	1.0	1	15.9	8.1	32.3	9.0	111.2	1.8	5.7	9.0	2.5	5.7			
									2	15.9	8.1	32.3	9.0	111.2	1.8	6.3						
							Bottom	3.2	1	15.9	8.2	32.3	8.8	108.6	3.2	5.9						
									2	15.9	8.2	32.3	8.8	108.4	3.1	4.9						
							Surface	1.0	1	15.6	8.1	32.2	9.0	109.7	3.9	11.3				9.0	4.5	11.5
									2	15.6	8.1	32.2	9.0	109.4	3.9	11.1						
Bottom	2.5	1	15.6	8.1	32.2	8.8	107.9	5.1	11.5													
		2	15.6	8.1	32.2	8.8	107.7	5.2	12.2													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
18-01-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	5:08	8.2	Surface	1.0	1	14.7	8.1	31.2	9.3	110.8	6.8	7.9	9.3	7.7	8.9			
									2	14.7	8.1	31.2	9.3	110.8	6.9	8.6						
							Middle	4.1	1	14.6	8.1	31.1	9.3	110.6	8.9	8.9						
								2	14.6	8.1	31.1	9.3	110.6	8.9	9.3							
							Bottom	7.2	1	14.4	8.1	31.1	9.3	109.5	7.3	9.0						
								2	14.4	8.1	31.1	9.2	109.5	7.6	9.5							
		TCE-C2	Cloudy	Moderate	3:24	13.2	Surface	1.0	1	15.6	8.0	31.1	9.4	114.5	7.5	6.7	9.4	5.3	5.8			
									2	15.6	8.0	31.1	9.4	114.4	7.3	6.1						
							Middle	6.6	1	15.5	8.0	31.0	9.4	114.1	3.3	5.4						
								2	15.5	8.0	31.0	9.4	114.1	3.3	5.9							
							Bottom	12.2	1	15.5	7.9	30.7	9.4	114.0	5.1	5.6						
								2	15.5	7.9	30.7	9.4	113.9	5.1	5.2							
		TCE-WQM1	Cloudy	Calm	4:32	8.3	Surface	1.0	1	14.8	8.1	30.9	9.3	111.5	3.2	2.8	9.3	4.8	5.6			
									2	14.9	8.1	30.9	9.3	111.5	3.3	2.5						
							Middle	4.2	1	15.1	8.1	30.9	9.3	112.1	6.4	6.0						
								2	15.1	8.1	30.9	9.3	112.1	6.2	6.4							
							Bottom	7.3	1	14.8	8.1	31.0	9.3	111.2	4.9	8.4						
								2	14.8	8.1	31.0	9.3	111.1	4.8	7.6							
		TCE-WQM2a	Cloudy	Moderate	4:00	7.0	Surface	1.0	1	15.2	8.1	30.9	9.6	115.6	5.2	3.4	9.6	3.9	3.1			
									2	15.2	8.1	30.9	9.6	115.6	5.2	3.1						
							Middle	3.5	1	15.2	8.1	30.9	9.6	115.9	3.0	2.9						
								2	15.2	8.1	30.9	9.6	115.9	3.0	3.3							
							Bottom	6.0	1	15.1	8.1	30.9	9.6	115.0	3.5	3.0						
								2	15.1	8.1	30.9	9.6	115.0	3.4	2.8							
		TCE-WQM2b	Cloudy	Moderate	3:50	11.3	Surface	1.0	1	15.2	8.1	30.9	9.5	113.7	5.5	8.0	9.5	5.2	6.0			
									2	15.2	8.1	30.8	9.5	113.6	5.5	7.4						
							Middle	5.7	1	15.0	8.1	30.8	9.5	113.4	4.8	6.1						
								2	15.1	8.1	30.8	9.5	113.4	4.8	5.5							
							Bottom	10.3	1	15.1	8.1	30.8	9.5	113.6	5.4	4.2						
								2	15.1	8.1	30.8	9.5	113.6	5.3	5.0							
		TCE-WQM3A	Cloudy	Calm	4:13	4.5	Surface	1.0	1	14.9	8.1	31.1	9.6	115.5	2.4	4.2	9.6	2.6	3.8			
									2	14.9	8.1	31.1	9.6	115.1	2.5	4.5						
							Bottom	3.5	1	14.8	8.1	31.0	9.4	112.0	2.8	3.3						
								2	14.9	8.1	30.9	9.3	111.7	2.8	3.1							
							Surface	1.0	1	15.1	8.1	31.1	9.6	115.7	3.4	6.0				9.6	7.3	16.9
									2	15.1	8.1	31.1	9.6	115.7	3.4	6.9						
		Bottom	2.8	1	15.0	8.1	31.0	9.6	115.0	11.3	27.5											
			2	15.1	8.1	31.0	9.6	114.9	11.4	27.3												
		Surface	1.0	1	15.1	8.1	31.3	9.3	111.5	6.9	9.3	9.2	7.2	7.6								
				2	15.1	8.1	31.3	9.3	111.5	7.1	8.4											
		Middle	4.2	1	15.2	8.1	31.2	9.2	111.2	5.5	7.6											
			2	15.2	8.1	31.2	9.2	111.2	5.5	6.7												
		Bottom	7.3	1	15.3	8.1	31.2	9.2	110.8	9.1	7.3											
			2	15.3	8.1	31.2	9.2	110.8	9.0	6.5												
		TCE-C2	Cloudy	Moderate	11:31	13.1	Surface	1.0	1	16.2	8.1	31.4	9.2	112.8	3.6	3.3	9.2	3.3	3.5			
									2	16.1	8.1	31.4	9.2	112.6	3.6	3.1						
							Middle	6.6	1	16.4	8.1	31.3	9.2	113.5	3.8	3.3						
								2	16.5	8.1	31.3	9.2	113.5	3.8	3.5							
Bottom	12.1						1	16.7	8.1	31.3	9.1	113.5	2.6	3.9								
	2						16.7	8.1	31.3	9.1	113.5	2.6	4.1									
TCE-WQM1	Cloudy	Calm	10:19	8.2	Surface	1.0	1	15.5	8.1	31.1	9.7	117.0	5.4	3.9	9.6	4.8	5.2					
							2	15.5	8.1	31.1	9.7	116.9	5.5	4.3								
					Middle	4.1	1	15.5	8.1	31.1	9.6	116.5	5.1	5.4								
						2	15.6	8.1	31.1	9.6	116.4	5.1	5.9									
					Bottom	7.2	1	15.6	8.2	31.1	9.6	116.3	3.9	6.2								
						2	15.6	8.2	31.1	9.6	116.3	3.9	5.7									
TCE-WQM2a	Cloudy	Moderate	10:52	6.8	Surface	1.0	1	15.6	8.1	30.9	9.7	118.1	5.0	6.1	9.7	4.4	5.9					
							2	15.6	8.1	30.9	9.7	118.1	5.0	6.1								
					Middle	3.4	1	15.7	8.1	30.9	9.7	118.0	4.2	5.6								
						2	15.7	8.1	30.9	9.7	117.8	4.4	6.1									
					Bottom	5.8	1	15.7	8.1	30.9	9.7	117.9	3.8	5.2								
						2	15.7	8.1	30.9	9.7	117.9	3.8	6.0									
TCE-WQM2b	Cloudy	Moderate	11:05	10.8	Surface	1.0	1	15.6	8.1	31.0	9.6	115.9	3.3	6.0	9.5	4.5	5.8					
							2	15.6	8.1	31.0	9.6	115.9	3.3	6.2								
					Middle	5.4	1	15.7	8.1	31.0	9.5	115.2	6.0	5.7								
						2	15.7	8.1	31.0	9.5	115.1	6.1	5.6									
					Bottom	9.8	1	15.7	8.1	31.0	9.4	114.7	4.1	5.6								
						2	15.7	8.1	31.0	9.4	114.6	4.2	5.6									
TCE-WQM3A	Cloudy	Calm	10:41	4.4	Surface	1.0	1	15.8	8.1	31.0	9.9	120.8	3.3	3.9	9.9	3.1	4.0					
							2	15.8	8.1	31.0	9.9	120.7	3.3	3.3								
					Bottom	3.4	1	15.8	8.1	31.0	9.9	120.7	2.9	4.9								
						2	15.8	8.1	31.0	9.9	120.2	3.0	4.0									
					Surface	1.0	1	15.6	8.1	31.1	9.6	116.5	4.2	5.4				9.6	4.5	6.1		
							2	15.7	8.1	31.1	9.6	116.3	4.2	4.6								
Bottom	2.6	1	15.6	8.1	31.0	9.5	115.2	4.9	6.6													
	2	15.6	8.1	31.0	9.5	115.0	4.8	7.6														

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)			
20-01-21	Mid-Ebb	TCE-C1	Fine	Moderate	6:50	8.2	Surface	1.0	1	16.0	8.3	32.2	8.9	109.5	2.1	2.8	8.9	2.1	4.0			
									2	16.0	8.3	32.2	8.9	109.4	2.0	3.1						
							Middle	4.1	1	16.0	8.3	32.2	8.8	108.9	2.1	4.7						
									2	16.0	8.3	32.2	8.8	108.8	2.1	4.1						
							Bottom	7.2	1	16.0	8.3	32.2	8.8	108.8	2.2	4.8						
									2	16.0	8.3	32.2	8.8	108.8	2.1	4.2						
		TCE-C2	Fine	Moderate	5:03	12.4	Surface	1.0	1	15.9	8.1	31.7	9.0	110.0	1.5	3.5	9.0	4.7	3.5			
									2	15.9	8.0	31.7	9.0	110.0	1.6	2.7						
							Middle	6.2	1	15.9	8.0	31.7	9.0	109.8	4.3	3.8						
									2	15.9	8.0	31.7	8.9	109.7	5.0	3.0						
							Bottom	11.4	1	15.9	7.6	31.7	8.9	109.0	7.8	4.4						
									2	15.9	7.5	31.7	8.9	108.7	8.0	3.6						
		TCE-WQM1	Fine	Moderate	6:13	8.1	Surface	1.0	1	15.8	8.3	32.0	9.1	111.7	2.8	1.9	9.1	4.0	3.2			
									2	15.8	8.3	32.0	9.1	111.6	2.9	2.8						
							Middle	4.1	1	15.8	8.3	32.0	9.1	111.8	2.3	3.8						
									2	15.8	8.3	32.0	9.1	111.8	2.3	3.0						
							Bottom	7.1	1	15.8	8.3	32.0	8.9	109.0	6.6	4.0						
									2	15.8	8.3	32.0	8.9	108.7	6.8	3.5						
		TCE-WQM2a	Fine	Moderate	5:40	7.2	Surface	1.0	1	15.8	8.3	31.6	9.0	110.1	6.9	3.1	9.0	5.8	3.9			
									2	15.8	8.3	31.6	9.0	110.1	6.9	3.2						
							Middle	3.6	1	15.8	8.3	31.8	9.0	109.6	8.3	4.0						
									2	15.8	8.3	31.7	9.0	109.8	8.2	4.4						
							Bottom	6.2	1	15.9	8.3	31.7	9.0	110.6	2.4	4.6						
									2	15.9	8.3	31.7	9.0	110.5	2.4	4.1						
		TCE-WQM2b	Fine	Moderate	5:29	10.4	Surface	1.0	1	15.8	8.2	31.6	9.0	109.9	6.6	3.4	9.0	4.0	4.3			
									2	15.8	8.2	31.5	9.0	109.9	5.8	3.9						
							Middle	5.2	1	15.8	8.2	31.6	9.0	110.3	3.4	4.1						
									2	15.8	8.2	31.6	9.0	110.2	3.5	3.6						
							Bottom	9.4	1	15.8	8.2	31.6	9.0	109.7	2.5	5.7						
									2	15.8	8.2	31.6	9.0	109.6	2.5	5.1						
		TCE-WQM3A	Fine	Moderate	5:51	4.2	Surface	1.0	1	16.0	8.3	31.6	8.8	108.1	6.6	8.4	8.8	6.4	8.1			
									2	16.0	8.3	31.6	8.8	107.5	6.4	7.7						
							Bottom	3.2	1	16.0	8.3	31.6	8.7	107.2	6.5	8.6						
									2	16.1	8.3	31.6	8.7	106.9	6.2	7.8						
							Surface	1.0	1	15.8	8.3	31.7	9.0	109.7	6.1	5.3				9.0	6.4	5.4
									2	15.8	8.3	31.7	9.0	109.6	6.0	5.6						
		Middle	2.5	1	15.8	8.3	31.6	8.8	108.1	6.7	4.9											
				2	15.8	8.3	31.6	8.8	108.1	6.7	5.9											
		Bottom	6.2	1	16.4	8.3	32.1	8.9	110.9	1.7	4.3	8.9	1.5	3.4								
				2	16.4	8.3	32.1	8.9	110.8	1.8	3.7											
		Middle	4.2	1	16.7	8.3	32.3	8.9	110.5	1.5	3.5											
				2	16.7	8.3	32.2	8.8	110.1	1.4	3.7											
		Bottom	7.4	1	16.7	8.3	32.4	8.7	108.8	1.2	2.3											
				2	16.7	8.2	32.4	8.7	108.3	1.2	3.1											
		20-01-21	Mid-Flood	TCE-C1	Fine	Moderate	10:51	8.4	Surface	1.0	1	16.4	8.3	32.1	8.9	110.9	1.7	4.3	8.9	1.5	3.4	
											2	16.4	8.3	32.1	8.9	110.8	1.8	3.7				
									Middle	4.2	1	16.7	8.3	32.3	8.9	110.5	1.5	3.5				
											2	16.7	8.3	32.2	8.8	110.1	1.4	3.7				
Bottom	7.4								1	16.7	8.3	32.4	8.7	108.8	1.2	2.3						
									2	16.7	8.2	32.4	8.7	108.3	1.2	3.1						
TCE-C2	Fine			Moderate	12:59	12.8	Surface	1.0	1	16.6	8.3	32.1	8.7	108.4	1.4	3.1	8.7	1.2	4.8			
									2	16.6	8.3	32.1	8.7	108.3	1.4	4.0						
							Middle	6.4	1	16.7	8.3	32.1	8.7	108.0	1.6	5.0						
									2	16.7	8.3	32.1	8.6	107.9	1.3	5.4						
							Bottom	11.8	1	16.7	8.3	32.2	8.6	107.0	0.8	5.1						
									2	16.7	8.2	32.2	8.5	106.8	0.7	5.9						
TCE-WQM1	Fine			Moderate	11:46	8.1	Surface	1.0	1	16.8	8.3	31.9	9.0	111.9	3.6	4.2	8.9	2.3	4.5			
									2	16.8	8.3	31.9	9.0	111.9	3.7	3.6						
							Middle	4.1	1	17.0	8.3	31.9	8.9	111.9	1.4	4.8						
									2	17.1	8.3	31.8	8.9	111.9	1.6	3.8						
							Bottom	7.1	1	17.2	8.4	32.0	8.9	111.7	1.8	5.6						
									2	17.2	8.4	32.0	8.9	111.6	1.8	5.1						
TCE-WQM2a	Fine			Moderate	12:21	7.2	Surface	1.0	1	16.7	8.3	31.7	9.3	115.3	13.0	3.9	9.3	10.5	4.6			
									2	16.7	8.3	31.7	9.3	115.3	13.0	3.4						
							Middle	3.6	1	16.3	8.3	31.7	9.3	114.7	13.5	4.8						
									2	16.3	8.3	31.7	9.3	114.6	12.7	4.1						
							Bottom	6.2	1	16.4	8.3	31.7	9.1	112.6	5.2	5.8						
									2	16.4	8.3	31.7	9.1	112.3	5.4	5.6						
TCE-WQM2b	Fine			Moderate	12:31	10.4	Surface	1.0	1	16.3	8.3	31.8	9.2	113.3	6.3	5.6	9.2	3.4	4.6			
									2	16.3	8.3	31.8	9.2	113.3	6.1	4.9						
							Middle	5.2	1	16.3	8.3	31.8	9.1	113.1	2.4	4.1						
									2	16.3	8.3	31.7	9.1	113.1	2.5	4.7						
							Bottom	9.4	1	16.5	8.3	31.8	9.1	113.4	1.5	4.5						
									2	16.5	8.3	31.8	9.1	113.2	1.5	3.6						
TCE-WQM3A	Fine			Moderate	12:09	4.3	Surface	1.0	1	16.6	8.4	31.8	9.5	118.2	6.6	5.0	9.5	9.0	5.1			
									2	16.6	8.4	31.8	9.5	118.1	6.5	5.9						
							Middle	3.3	1	16.5	8.4	31.8	9.3	115.0	11.5	4.9						
									2	16.5	8.4	31.8	9.2	114.6	11.4	4.4						
							Bottom	2.4	1	16.4	8.3	31.8	9.2	113.4	4.1	4.7						
									2	16.4	8.3	31.7	9.1	113.2	4.1	4.9						
TCE-WQM4	Fine			Moderate	11:59	3.4	Surface	1.0	1	16.4	8.3	31.8	9.2	113.4	4.1	4.7	9.1	3.7	4.7			
									2	16.4	8.3	31.7	9.1	113.2	4.1	4.9						
							Middle	2.4	1	16.5	8.3	31.9	9.0	111.9	3.4	4.6						
									2	16.5	8.3	31.9	9.0	111.3	3.4	4.5						
							Bottom	2.4	1	16.5	8.3	31.9	9.0	111.9	3.4	4.6						
									2	16.5	8.3	31.9	9.0	111.3	3.4	4.5						

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)	
22-01-21	Mid-Ebb	TCE-C1	Fine	Moderate	7:50	7.5	Surface	1.0	1	17.0	8.2	30.8	10.1	125.6	1.2	2.0	9.8	1.4	1.7	
									2	17.0	8.2	30.9	10.1	125.2	1.2	2.4				
							Middle	3.8	1	16.7	8.2	32.0	9.6	119.4	1.4	1.6				
									2	16.7	8.2	32.0	9.5	119.0	1.5	1.4				
							Bottom	6.5	1	16.7	8.2	32.6	8.8	109.8	1.5	1.3				
									2	16.7	8.2	32.6	8.7	109.5	1.5	1.4				
		TCE-C2	Fine	Calm	5:15	11.2	Surface	1.0	1	16.6	8.1	31.7	9.7	120.6	1.6	3.1	9.7	1.6	2.3	
									2	16.6	8.1	31.7	9.7	120.4	1.6	2.3				
							Middle	5.6	1	16.6	8.1	31.8	9.6	119.9	1.5	2.8				
									2	16.6	8.1	31.8	9.7	120.0	1.6	2.0				
							Bottom	10.2	1	16.6	8.1	31.8	9.5	118.6	1.5	2.0				
									2	16.6	8.1	31.8	9.6	119.0	1.5	1.8				
		TCE-WQM1	Fine	Calm	6:30	8.4	Surface	1.0	1	17.0	8.2	32.5	9.6	120.3	2.4	3.4	9.4	2.1	2.7	
									2	17.0	8.2	32.5	9.5	119.7	2.4	3.7				
							Middle	4.2	1	17.0	8.2	32.5	9.3	116.8	2.1	3.1				
									2	17.0	8.2	32.5	9.3	116.7	2.1	2.4				
							Bottom	7.4	1	17.0	8.2	32.5	9.0	113.6	1.9	1.6				
									2	17.0	8.2	32.5	9.0	113.2	1.9	1.8				
		TCE-WQM2a	Fine	Moderate	5:56	7.1	Surface	1.0	1	16.8	8.2	31.7	9.7	121.0	2.2	2.0	9.5	2.5	2.4	
									2	16.8	8.2	31.7	9.7	121.0	2.2	1.9				
							Middle	3.6	1	16.8	8.2	31.8	9.4	117.6	2.2	2.2				
									2	16.8	8.2	31.8	9.4	117.1	2.3	2.6				
							Bottom	6.1	1	17.0	8.2	32.1	8.9	111.4	3.0	2.5				
									2	16.9	8.2	32.1	8.9	111.1	3.0	2.9				
TCE-WQM2b	Fine	Moderate	5:45	11.0	Surface	1.0	1	16.8	8.2	30.9	9.9	123.1	1.5	1.5	9.8	1.6	2.1			
							2	16.8	8.2	30.9	9.9	122.9	1.5	1.8						
					Middle	5.5	1	16.7	8.2	31.2	9.7	119.9	1.6	1.9						
							2	16.7	8.2	31.2	9.6	119.7	1.6	2.5						
					Bottom	10.0	1	16.7	8.2	31.2	9.4	116.7	1.6	2.2						
							2	16.7	8.2	31.2	9.4	116.1	1.6	2.4						
TCE-WQM3A	Fine	Calm	6:08	3.6	Surface	1.0	1	17.4	8.3	31.9	9.2	116.1	3.9	7.1	9.1	3.7	6.6			
							2	17.4	8.3	31.9	9.1	115.1	3.8	6.2						
					Bottom	2.6	1	17.2	8.3	31.9	8.7	109.5	3.5	6.4						
							2	17.1	8.2	32.0	8.5	107.2	3.5	6.8						
					Surface	1.0	1	17.0	8.2	32.0	9.1	113.6	2.0	3.6				9.0	2.0	3.2
							2	17.0	8.2	32.0	9.0	113.4	2.0	4.4						
Middle	2.3	1	17.0	8.2	32.1	8.5	107.1	2.4	1.9											
		2	17.0	8.2	32.1	8.5	106.9	2.0	2.7											
Bottom	7.4	1	16.9	8.2	30.8	10.1	126.2	1.4	1.7	9.9	2.0	1.5								
		2	16.9	8.2	30.8	10.1	125.2	1.4	1.8											
Middle	3.9	1	16.7	8.2	32.4	9.8	122.4	1.8	1.4											
		2	16.7	8.2	32.4	9.8	122.3	1.9	1.6											
Bottom	6.7	1	16.7	8.2	32.7	9.6	120.3	2.5	1.3											
		2	16.7	8.2	32.7	9.6	120.0	2.7	1.4											
22-01-21	Mid-Flood	TCE-C1	Sunny	Moderate	12:03	7.7	Surface	1.0	1	16.9	8.2	30.8	10.1	126.2	1.4	1.7	9.9	2.0	1.5	
									2	16.9	8.2	30.8	10.1	125.2	1.4	1.8				
							Middle	3.9	1	16.7	8.2	32.4	9.8	122.4	1.8	1.4				
									2	16.7	8.2	32.4	9.8	122.3	1.9	1.6				
							Bottom	6.7	1	16.7	8.2	32.7	9.6	120.3	2.5	1.3				
									2	16.7	8.2	32.7	9.6	120.0	2.7	1.4				
		TCE-C2	Fine	Moderate	14:08	12.5	Surface	1.0	1	16.9	8.2	31.9	9.6	120.1	1.7	2.3	9.3	2.7	1.8	
									2	16.9	8.2	31.9	9.5	119.2	1.8	1.6				
							Middle	6.3	1	16.6	8.1	32.3	9.0	112.1	2.8	2.1				
									2	16.6	8.1	32.2	9.0	112.3	2.5	1.4				
							Bottom	11.5	1	16.6	8.1	32.3	8.9	110.4	3.7	1.4				
									2	16.6	8.1	32.3	8.9	110.3	3.8	1.9				
		TCE-WQM1	Sunny	Calm	12:45	8.2	Surface	1.0	1	17.9	8.2	32.3	9.5	121.9	2.7	2.0	9.4	3.5	2.9	
									2	17.9	8.2	32.3	9.5	121.6	2.8	2.0				
							Middle	4.1	1	17.4	8.2	32.4	9.4	118.8	3.7	2.6				
									2	17.4	8.2	32.4	9.3	118.4	3.8	2.2				
							Bottom	7.2	1	17.2	8.2	32.4	8.8	111.5	4.1	4.8				
									2	17.2	8.2	32.4	8.8	111.2	4.0	4.0				
		TCE-WQM2a	Fine	Calm	13:17	7.4	Surface	1.0	1	17.1	8.2	31.3	10.3	129.4	2.2	3.5	10.2	2.8	2.7	
									2	17.1	8.2	31.3	10.3	129.4	2.2	3.0				
							Middle	3.7	1	16.9	8.2	31.4	10.1	126.1	2.3	2.7				
									2	16.9	8.2	31.4	10.1	125.6	2.4	2.5				
							Bottom	6.4	1	16.9	8.2	31.7	9.8	121.9	3.8	2.1				
									2	16.9	8.2	31.7	9.7	121.7	3.8	2.6				
TCE-WQM2b	Fine	Moderate	13:40	11.4	Surface	1.0	1	17.1	8.2	31.3	10.0	124.6	1.8	2.0	9.9	2.9	2.0			
							2	17.1	8.2	31.3	9.9	124.6	1.7	2.3						
					Middle	5.7	1	17.0	8.2	31.6	9.8	122.5	2.3	2.0						
							2	17.0	8.2	31.6	9.7	121.9	2.5	1.8						
					Bottom	10.4	1	16.6	8.2	31.9	9.6	119.3	4.5	1.8						
							2	16.6	8.2	31.9	9.6	119.3	4.6	1.9						
TCE-WQM3A	Sunny	Calm	13:15	4.1	Surface	1.0	1	17.5	8.2	31.3	9.8	123.7	2.3	2.0	9.8	2.5	2.6			
							2	17.5	8.2	31.3	9.8	123.2	2.4	2.6						
					Middle	3.1	1	17.7	8.3	31.9	9.1	116.3	2.8	3.0						
							2	17.7	8.3	31.9	9.0	114.6	2.6	2.6						
					Bottom	2.7	1	17.2	8.3	32.0	9.9	123.9	5.1	8.5						
							2	17.2	8.3	32.0	9.8	123.2	5.2	7.7						
TCE-WQM4	Sunny	Calm	13:00	3.7	Surface	1.0	1	17.2	8.3	31.9	10.0	126.4	4.7	6.7	10.0	4.9	7.6			
							2	17.2	8.3	31.9	10.0	126.5	4.7	7.5						
					Middle	2.7	1	17.2	8.3	32.0	9.9	123.9	5.1	8.5						
							2	17.2	8.3	32.0	9.8	123.2	5.2	7.7						

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)							
25-01-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:40	8.1	Surface	1.0	1	17.4	8.1	32.4	9.1	115.9	3.6	2.7	9.1	5.2	3.1							
									2	17.4	8.1	32.4	9.1	116.0	3.6	2.7										
							Middle	4.1	1	17.0	8.1	32.6	9.0	113.2	5.0	3.1										
									2	17.0	8.1	32.6	9.0	113.0	5.1	3.0										
							Bottom	7.1	1	17.0	8.1	32.6	8.8	110.6	6.7	3.4										
									2	17.0	8.1	32.6	8.8	110.4	6.9	3.5										
		TCE-C2	Cloudy	Moderate	9:39	13.2	Surface	1.0	1	17.1	8.0	32.2	8.3	103.9	1.2	4.6	8.2	1.3	3.5							
									2	17.1	8.0	32.2	8.3	103.8	1.2	4.3										
							Middle	6.6	1	17.0	8.0	32.4	8.1	101.3	1.3	3.2										
									2	17.0	8.0	32.4	8.1	101.2	1.3	2.9										
							Bottom	12.2	1	17.0	7.9	32.4	7.9	98.9	1.4	3.0										
									2	17.0	7.9	32.4	7.9	98.8	1.4	2.9										
		TCE-WQM1	Cloudy	Calm	11:10	8.2	Surface	1.0	1	18.0	8.1	31.6	8.8	112.4	2.5	3.8	8.8	4.0	3.4							
									2	18.0	8.1	31.6	8.8	112.2	2.5	4.0										
							Middle	4.1	1	17.9	8.1	31.6	8.7	111.3	3.2	3.4										
									2	17.9	8.1	31.6	8.7	111.1	3.3	3.4										
							Bottom	7.2	1	17.9	8.1	31.6	8.4	107.0	6.2	2.7										
									2	17.9	8.1	31.6	8.4	106.8	6.4	2.8										
		TCE-WQM2a	Cloudy	Moderate	10:29	6.8	Surface	1.0	1	17.3	8.1	31.7	8.7	109.2	1.9	2.8	8.5	2.1	3.3							
									2	17.3	8.1	31.7	8.7	109.2	1.9	2.9										
							Middle	3.4	1	17.3	8.0	31.7	8.4	106.0	2.2	3.0										
									2	17.3	8.0	31.7	8.4	105.7	2.2	3.1										
							Bottom	5.8	1	17.2	8.0	31.7	7.8	98.0	2.3	4.0										
									2	17.2	8.0	31.7	7.8	97.7	2.2	4.0										
	TCE-WQM2b	Cloudy	Moderate	10:13	10.8	Surface	1.0	1	17.2	8.1	31.8	8.7	109.6	2.1	2.8	8.6	1.7	3.3								
								2	17.2	8.1	31.8	8.7	109.7	2.1	2.2											
						Middle	5.4	1	17.2	8.0	31.9	8.5	106.3	1.4	3.5											
								2	17.2	8.0	31.9	8.4	106.0	1.4	3.1											
						Bottom	9.8	1	17.1	8.0	32.0	8.2	103.7	1.5	4.2											
								2	17.1	8.0	32.0	8.2	103.6	1.5	4.0											
	TCE-WQM3A	Cloudy	Calm	10:41	3.8	Surface	1.0	1	17.5	8.1	31.7	8.9	112.3	2.5	4.5	8.9	2.6	4.9								
								2	17.5	8.1	31.7	8.9	112.2	2.5	4.6											
						Bottom	2.8	1	17.4	8.1	31.8	8.5	107.2	2.7	5.4											
								2	17.4	8.1	31.8	8.5	107.0	2.7	5.0											
						TCE-WQM4	Cloudy	Calm	10:57	3.4	Surface	1.0	1	17.8	8.1				31.6	8.4	106.1	1.7	3.8	8.3	1.7	3.1
												2	17.8	8.1	31.6				8.3	105.9	1.7	3.8				
	Middle	2.4	1	17.8	8.0	31.6					7.2	91.3	1.6	2.5												
			2	17.8	8.0	31.6					7.1	90.7	1.6	2.3												
	Bottom	2.4	1	17.8	8.0	31.6					7.2	91.3	1.6	2.5												
			2	17.8	8.0	31.6					7.1	90.7	1.6	2.3												
	25-01-21	Mid-Flood	TCE-C1	Cloudy	Moderate	14:00	8.2	Surface	1.0	1	17.6	8.1	32.6	9.2	117.7	3.3	4.6	9.2	4.9	4.0						
										2	17.6	8.1	32.6	9.2	117.8	3.3	4.6									
								Middle	4.1	1	17.2	8.1	32.5	9.2	116.3	4.6	4.0									
										2	17.2	8.1	32.5	9.2	116.2	4.7	3.9									
								Bottom	7.2	1	17.0	8.1	32.5	9.0	113.4	6.5	3.3									
										2	17.0	8.1	32.5	8.9	112.6	6.7	3.6									
			TCE-C2	Cloudy	Moderate	16:47	13.0	Surface	1.0	1	17.5	8.1	32.3	8.6	109.1	1.7	2.6	8.5	1.6	4.0						
										2	17.5	8.1	32.3	8.6	109.1	1.7	2.6									
Middle								6.5	1	17.3	8.1	32.4	8.5	107.4	1.6	4.2										
									2	17.3	8.1	32.4	8.5	107.3	1.6	4.0										
Bottom								12.0	1	17.1	8.1	32.4	8.2	103.2	1.6	4.9										
									2	17.1	8.1	32.4	8.2	103.1	1.6	5.4										
TCE-WQM1			Cloudy	Calm	15:05	8.4	Surface	1.0	1	18.4	8.2	31.5	9.2	117.8	2.0	3.1	9.2	2.0	2.9							
									2	18.4	8.2	31.5	9.2	117.8	2.0	3.4										
							Middle	4.2	1	18.1	8.2	31.8	9.2	117.4	2.1	3.0										
									2	18.1	8.2	31.7	9.2	117.4	2.1	3.0										
							Bottom	7.4	1	17.7	8.1	32.0	8.3	105.3	1.9	2.4										
									2	17.7	8.1	32.0	8.2	104.7	1.9	2.7										
TCE-WQM2a			Cloudy	Moderate	16:01	6.7	Surface	1.0	1	17.9	8.2	31.7	9.1	116.2	2.7	2.2	9.0	2.2	2.8							
									2	17.9	8.2	31.7	9.1	116.2	2.7	2.4										
							Middle	3.4	1	17.6	8.1	31.7	8.9	113.4	1.8	2.6										
									2	17.6	8.1	31.7	9.0	113.5	1.8	2.5										
							Bottom	5.7	1	17.4	8.1	31.8	8.7	110.3	2.0	3.4										
									2	17.4	8.1	31.8	8.7	110.1	2.0	3.7										
TCE-WQM2b		Cloudy	Moderate	16:13	10.8	Surface	1.0	1	17.8	8.1	31.7	9.0	114.9	1.2	4.1	8.9	1.5	3.5								
								2	17.8	8.1	31.7	9.0	114.8	1.2	4.6											
						Middle	5.4	1	17.7	8.1	31.8	8.8	112.1	1.4	3.1											
								2	17.7	8.1	31.8	8.8	112.1	1.5	3.3											
						Bottom	9.8	1	17.2	8.1	32.1	8.6	108.1	1.7	2.9											
								2	17.2	8.1	32.1	8.6	107.9	1.8	2.8											
TCE-WQM3A		Cloudy	Calm	15:44	4.1	Surface	1.0	1	17.9	8.1	31.7	9.1	116.5	2.8	4.3	9.1	3.0	4.9								
								2	17.9	8.1	31.7	9.1	116.4	2.8	4.4											
						Middle	3.1	1	17.6	8.1	31.7	8.8	111.9	3.1	5.4											
								2	17.6	8.1	31.7	8.8	111.6	3.1	5.6											
						Bottom	2.5	1	18.3	8.2	31.4	9.1	117.2	6.7	3.4											
								2	18.3	8.2	31.5	9.1	117.2	6.9	3.3											
TCE-WQM4		Cloudy	Calm	15:34	3.5	Surface	1.0	1	18.3	8.2	31.4	9.1	117.2	6.7	3.4	9.1	6.2	3.4								
								2	18.3	8.2	31.5	9.1	117.2	6.9	3.3											
						Middle	2.5	1	17.8	8.1	31.6	8.8	112.1	5.6	3.6											
								2	17.8	8.1	31.6	8.8	111.6	5.7	3.4											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
27-01-21	Mid-Ebb	TCE-C1	Cloudy	Calm	10:36	8.3	Surface	1.0	1	18.0	8.3	28.5	9.9	124.3	1.1	3.5	9.5	4.4	4.5			
									2	18.0	8.3	28.6	9.9	124.1	1.3	3.7						
							Middle	4.2	1	17.5	8.3	30.0	9.1	114.5	2.7	4.4						
									2	17.5	8.3	30.1	9.1	114.2	3.0	4.7						
							Bottom	7.3	1	17.5	8.3	30.3	8.9	112.0	9.1	5.2						
									2	17.5	8.3	30.3	8.9	111.8	9.4	5.4						
		TCE-C2	Cloudy	Moderate	12:32	13.2	Surface	1.0	1	17.9	8.3	30.1	9.0	113.2	1.2	2.3	8.7	1.9	3.3			
									2	17.8	8.3	30.2	9.0	113.0	1.1	2.3						
							Middle	6.6	1	17.5	8.3	30.5	8.5	107.1	1.7	3.2						
									2	17.5	8.3	30.5	8.5	107.1	1.8	3.6						
							Bottom	12.2	1	17.6	8.3	30.5	8.6	107.7	2.8	3.9						
									2	17.6	8.3	30.5	8.6	107.8	2.6	4.3						
		TCE-WQM1	Cloudy	Calm	11:39	8.4	Surface	1.0	1	18.3	8.3	30.1	9.0	114.1	1.0	4.6	9.0	0.9	3.6			
									2	18.3	8.3	30.1	9.0	114.1	1.0	4.9						
							Middle	4.2	1	18.3	8.3	30.1	9.0	113.9	1.0	3.5						
									2	18.3	8.3	30.1	9.0	113.9	0.9	3.2						
							Bottom	7.4	1	18.3	8.3	30.1	8.9	113.6	0.9	2.7						
									2	18.3	8.3	30.1	8.9	113.6	0.9	2.8						
		TCE-WQM2a	Cloudy	Moderate	11:58	7.2	Surface	1.0	1	18.1	8.3	29.4	9.1	114.9	1.4	3.5	9.0	4.0	4.4			
									2	18.1	8.3	29.4	9.1	114.9	1.4	3.2						
							Middle	3.6	1	18.0	8.3	29.7	8.9	112.2	4.1	4.4						
									2	17.9	8.3	29.7	8.9	111.7	4.1	4.1						
							Bottom	6.2	1	17.8	8.3	30.0	8.6	108.8	6.1	5.6						
									2	17.8	8.3	30.0	8.6	108.5	6.6	5.3						
		TCE-WQM2b	Cloudy	Moderate	12:08	11.0	Surface	1.0	1	18.3	8.3	29.4	9.4	118.5	0.5	4.2	9.1	0.3	3.5			
									2	18.3	8.3	29.4	9.4	118.4	0.5	4.3						
							Middle	5.5	1	17.8	8.3	29.9	8.9	111.7	0.3	3.5						
									2	17.8	8.3	29.9	8.9	111.7	0.3	3.8						
							Bottom	10.0	1	17.6	8.2	30.3	8.5	106.8	0.1	2.4						
									2	17.6	8.3	30.3	8.5	106.7	0.2	2.7						
		TCE-WQM3A	Cloudy	Calm	11:49	3.8	Surface	1.0	1	18.3	8.3	29.4	9.2	116.1	1.8	4.6	9.1	3.4	4.1			
									2	18.3	8.3	29.4	9.1	115.7	2.2	5.0						
							Bottom	2.8	1	18.4	8.3	29.5	8.9	113.1	4.9	3.3						
									2	18.3	8.3	29.5	8.9	112.9	4.9	3.6						
							Surface	1.0	1	18.5	8.3	30.0	9.0	115.4	1.1	3.8				9.0	1.4	3.6
									2	18.5	8.3	30.0	9.0	115.2	1.2	4.0						
		Middle	2.5	1	18.5	8.3	30.0	8.9	113.4	1.6	3.1											
				2	18.5	8.3	30.0	8.9	113.1	1.6	3.4											
		Bottom	2.5	1	18.5	8.3	30.0	8.9	113.4	1.6	3.1											
				2	18.5	8.3	30.0	8.9	113.1	1.6	3.4											
		27-01-21	Mid-Flood	TCE-C1	Cloudy	Moderate	8:42	7.7	Surface	1.0	1	17.9	8.3	29.0	9.7	121.3	2.7	5.7	9.6	3.9	4.9	
											2	17.8	8.3	29.1	9.7	121.1	2.7	6.0				
									Middle	3.9	1	17.8	8.3	29.2	9.5	119.3	2.6	4.8				
											2	17.8	8.3	29.2	9.5	118.9	2.7	4.7				
									Bottom	6.7	1	17.7	8.3	29.7	9.1	114.2	6.5	4.4				
											2	17.7	8.3	29.8	9.1	113.9	6.5	4.0				
				TCE-C2	Cloudy	Moderate	6:57	13.2	Surface	1.0	1	17.8	8.2	29.7	9.1	113.7	0.2	4.3	8.9	3.8	4.9	
											2	17.8	8.2	29.7	9.0	113.7	0.2	4.4				
Middle	6.6								1	17.7	8.2	30.1	8.7	109.9	3.5	5.0						
									2	17.7	8.2	30.1	8.7	109.8	4.1	4.6						
Bottom	12.2								1	17.7	8.1	30.1	8.7	109.2	7.3	5.6						
									2	17.7	8.1	30.1	8.7	109.1	7.4	5.4						
TCE-WQM1	Cloudy			Moderate	8:00	8.2	Surface	1.0	1	18.1	8.3	30.1	8.7	110.8	1.3	2.6	8.7	2.2	3.2			
									2	18.1	8.3	30.1	8.7	110.7	1.4	3.0						
							Middle	4.1	1	18.1	8.3	30.2	8.6	109.4	3.2	3.2						
									2	18.1	8.3	30.2	8.6	109.3	3.3	3.2						
							Bottom	7.2	1	18.1	8.3	30.2	8.6	108.6	2.0	3.6						
									2	18.1	8.3	30.2	8.6	108.4	2.2	3.8						
TCE-WQM2a	Cloudy			Moderate	7:30	7.1	Surface	1.0	1	18.0	8.3	29.0	9.3	117.1	0.2	3.5	9.2	0.5	5.4			
									2	18.0	8.3	29.0	9.3	117.1	0.2	3.4						
							Middle	3.6	1	18.0	8.3	29.3	9.0	113.8	0.5	5.9						
									2	18.0	8.3	29.3	9.0	113.4	0.6	6.0						
							Bottom	6.1	1	18.0	8.3	29.5	8.9	112.0	0.7	6.8						
									2	18.0	8.3	29.5	8.9	111.7	0.7	6.5						
TCE-WQM2b	Cloudy			Moderate	7:21	10.9	Surface	1.0	1	18.0	8.3	29.5	9.2	116.1	0.7	5.2	9.2	1.3	7.6			
									2	18.0	8.3	29.5	9.2	116.0	0.8	5.4						
							Middle	5.5	1	18.0	8.3	29.6	9.1	115.1	0.9	7.1						
									2	18.0	8.3	29.6	9.1	114.9	1.0	7.4						
							Bottom	9.9	1	18.0	8.3	29.6	9.0	113.7	2.1	10.0						
									2	18.0	8.3	29.6	8.9	113.5	2.2	10.3						
TCE-WQM3A	Cloudy			Calm	7:40	4.1	Surface	1.0	1	18.0	8.3	29.7	8.7	109.2	1.0	5.1	8.6	1.1	4.2			
									2	18.0	8.3	29.7	8.6	108.7	1.1	5.0						
							Middle	3.1	1	18.0	8.2	29.8	8.5	107.6	1.3	3.4						
									2	18.0	8.2	29.8	8.5	107.4	1.3	3.4						
							Bottom	2.3	1	17.9	8.3	29.8	8.5	107.7	1.4	3.5						
									2	17.9	8.3	29.8	8.5	107.7	1.4	3.3						
TCE-WQM4	Cloudy			Calm	7:50	3.3	Surface	1.0	1	17.9	8.3	29.8	8.6	108.3	1.3	3.5	8.6	1.6	4.1			
									2	17.9	8.3	29.8	8.5	107.7	1.4	3.3						
							Middle	2.3	1	17.9	8.2	29.9	8.4	105.5	1.6	4.8						
									2	17.9	8.2	29.9	8.4	105.5	1.6	4.6						
							Bottom	2.3	1	17.9	8.2	29.9	8.4	105.5	1.6	4.8						
									2	17.9	8.2	29.9	8.3	105.0	2.0	4.6						

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)		
29-01-21	Mid-Ebb	TCE-C1	Fine	Moderate	11:55	7.9	Surface	1.0	1	17.6	8.3	30.2	9.1	114.6	3.3	4.9	9.0	5.0	5.3		
									2	17.6	8.3	30.2	9.1	114.3	3.4	4.7					
							Middle	4.0	1	17.5	8.3	30.9	8.8	111.2	4.7	4.7					
									2	17.5	8.3	31.0	8.8	111.0	5.0	5.3					
							Bottom	6.9	1	17.5	8.3	31.3	8.7	109.7	6.7	5.6					
									2	17.5	8.3	31.3	8.7	109.7	6.7	6.4					
		TCE-C2	Fine	Moderate	14:26	15.3	Surface	1.0	1	18.1	8.3	29.8	9.0	113.8	1.2	2.0	8.7	1.3	2.1		
									2	18.1	8.3	29.8	9.0	113.8	1.2	1.9					
							Middle	7.7	1	17.7	8.2	30.2	8.5	106.8	0.9	1.9					
									2	17.7	8.2	30.2	8.5	106.8	1.0	2.2					
							Bottom	14.3	1	17.7	8.2	30.3	8.0	100.6	1.7	2.3					
									2	17.7	8.2	30.3	8.0	100.7	1.8	2.2					
		TCE-WQM1	Fine	Calm	13:21	8.8	Surface	1.0	1	18.0	8.3	29.5	9.4	118.3	1.9	2.5	9.4	2.0	2.9		
									2	18.0	8.3	29.5	9.4	118.3	1.9	2.7					
							Middle	4.4	1	18.0	8.4	29.5	9.3	117.6	2.2	2.7					
									2	18.0	8.4	29.5	9.3	117.6	2.3	3.4					
							Bottom	7.8	1	18.1	8.4	29.5	9.2	116.3	2.0	3.0					
									2	18.1	8.4	29.4	9.2	116.2	2.0	3.3					
		TCE-WQM2a	Fine	Moderate	13:52	7.2	Surface	1.0	1	18.3	8.3	29.2	9.5	120.0	2.6	1.7	9.4	2.0	2.4		
									2	18.3	8.3	29.2	9.5	120.0	2.6	1.7					
							Middle	3.6	1	18.2	8.3	29.3	9.4	118.1	1.8	1.8					
									2	18.2	8.3	29.3	9.3	117.8	1.8	2.4					
							Bottom	6.2	1	17.9	8.3	29.6	9.0	112.8	1.7	3.6					
									2	17.9	8.3	29.6	8.9	112.6	1.7	3.1					
		TCE-WQM2b	Fine	Moderate	14:03	12.0	Surface	1.0	1	18.3	8.3	29.3	9.4	119.5	1.5	3.8	8.9	1.4	4.4		
									2	18.3	8.3	29.3	9.4	119.4	1.5	3.5					
							Middle	6.0	1	17.7	8.2	30.3	8.5	106.4	1.3	4.4					
									2	17.7	8.2	30.3	8.4	106.3	1.3	4.4					
							Bottom	11.0	1	17.7	8.2	30.3	8.5	106.4	1.4	4.9					
									2	17.7	8.2	30.3	8.5	106.5	1.4	5.5					
		TCE-WQM3A	Fine	Calm	13:42	3.9	Surface	1.0	1	18.3	8.3	29.2	9.2	116.7	3.3	3.2	9.2	3.8	3.6		
									2	18.3	8.3	29.2	9.2	116.7	3.4	2.6					
							Bottom	2.9	1	18.3	8.3	29.3	9.1	115.4	4.1	4.0					
									2	18.2	8.3	29.3	9.1	115.3	4.2	4.5					
							Surface	1.0	1	18.4	8.3	29.3	9.5	120.7	2.1	3.0					
									2	18.4	8.3	29.3	9.5	120.7	2.1	3.3					
		TCE-WQM4	Fine	Calm	13:32	3.6	Bottom	2.6	1	18.3	8.3	29.3	9.5	120.3	2.1	3.5	9.5	2.1	3.3		
									2	18.3	8.3	29.3	9.5	120.3	2.1	3.5					
							Surface	1.0	1	17.6	8.3	30.4	8.9	112.3	4.2	3.3					
									2	17.6	8.3	30.4	8.9	112.2	4.5	2.8					
							Middle	3.9	1	17.5	8.2	31.1	8.8	110.6	6.0	3.6					
									2	17.5	8.2	31.1	8.8	110.5	6.3	3.7					
		29-01-21	Mid-Flood	TCE-C1	Fine	Moderate	9:49	7.8	Bottom	6.8	1	17.5	8.2	31.2	8.7	109.6	9.8	4.5	8.8	6.8	3.8
											2	17.5	8.2	31.2	8.7	109.6	9.9	4.6			
									Surface	1.0	1	17.8	8.2	29.8	8.7	109.9	1.6	2.7			
											2	17.8	8.2	29.8	8.7	109.9	1.6	3.1			
									Middle	7.3	1	17.7	8.1	30.0	8.5	107.2	1.9	2.4			
											2	17.7	8.1	30.0	8.5	107.1	1.9	2.5			
TCE-C2	Fine			Moderate	7:54	14.6	Bottom	13.6	1	17.7	8.1	30.2	8.4	105.8	3.5	2.3	8.6	2.3	2.5		
									2	17.7	8.1	30.2	8.4	105.8	3.5	2.2					
							Surface	1.0	1	17.7	8.1	30.2	8.4	105.8	3.5	2.2					
									2	17.7	8.1	30.2	8.4	105.8	3.5	2.2					
							Middle	7.3	1	17.7	8.1	30.0	8.5	107.2	1.9	2.4					
									2	17.7	8.1	30.0	8.5	107.1	1.9	2.5					
TCE-WQM1	Fine			Calm	9:05	8.7	Bottom	7.7	1	18.0	8.3	29.4	8.7	109.8	1.8	2.3	8.7	1.9	2.6		
									2	18.0	8.3	29.4	8.7	109.8	1.8	2.3					
							Surface	1.0	1	18.1	8.3	29.4	8.7	110.1	1.8	2.8					
									2	18.1	8.3	29.4	8.7	110.0	1.8	3.3					
							Middle	4.4	1	18.0	8.3	29.4	8.7	109.8	1.8	2.2					
									2	18.0	8.3	29.4	8.7	109.8	1.8	2.3					
TCE-WQM2a	Fine			Moderate	8:33	7.0	Bottom	7.7	1	18.0	8.3	29.4	8.7	109.4	2.0	2.4	8.7	4.1	5.9		
									2	18.0	8.3	29.4	8.7	109.4	2.0	2.3					
							Surface	1.0	1	17.9	8.3	29.1	9.3	116.1	4.0	6.4					
									2	17.9	8.3	29.1	9.3	116.1	4.0	6.6					
							Middle	3.5	1	17.9	8.3	29.1	9.2	115.0	3.4	6.1					
									2	17.9	8.3	29.1	9.1	114.8	3.3	5.5					
TCE-WQM2b	Fine			Moderate	8:19	11.2	Bottom	6.0	1	17.9	8.3	29.1	9.1	114.0	4.8	5.4	9.1	2.6	3.5		
									2	17.9	8.3	29.1	9.1	113.9	5.0	5.4					
							Surface	1.0	1	18.0	8.3	29.3	9.2	115.5	2.4	4.2					
									2	18.0	8.3	29.3	9.2	115.5	2.5	3.7					
							Middle	5.6	1	17.9	8.3	29.3	9.1	114.9	1.9	3.5					
									2	17.9	8.3	29.3	9.1	114.9	1.9	3.7					
TCE-WQM3A	Fine			Calm	8:44	4.1	Bottom	10.2	1	17.9	8.3	29.4	9.1	114.3	3.4	3.3	9.1	1.6	2.2		
									2	17.9	8.3	29.4	9.1	114.3	3.4	3.3					
							Surface	1.0	1	17.8	8.3	29.2	9.1	113.8	1.5	2.2					
									2	17.8	8.3	29.2	9.1	113.8	1.5	2.2					
							Middle	3.1	1	17.8	8.3	29.2	9.0	112.6	1.6	2.6					
									2	17.8	8.3	29.2	9.0	112.5	1.7	2.2					
TCE-WQM4	Fine			Calm	8:53	3.5	Bottom	2.5	1	17.9	8.3	29.3	9.0	113.3	2.9	1.9	9.0	3.5	2.7		
									2	17.9	8.3	29.3	9.0	113.2	3.1	2.5					
							Surface	1.0	1	17.9	8.3	29.3	9.0	113.3	2.9	1.9					
									2	17.9	8.3	29.3	9.0	113.2	3.1	2.5					
							Middle	1.0	1	17.9	8.3	29.3	9.0	113.3	2.9	1.9					
									2	17.9	8.3	29.3	9.0	113.2	3.1	2.5					