

Annex G3

Monitoring Results for Water Quality

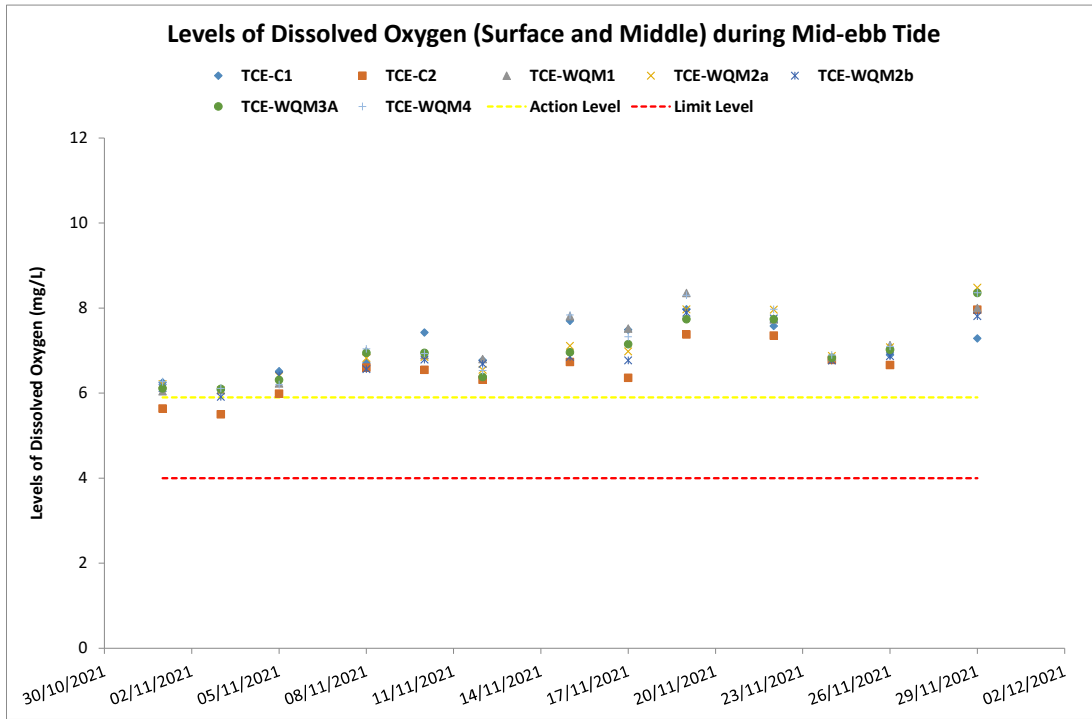


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 November 2021

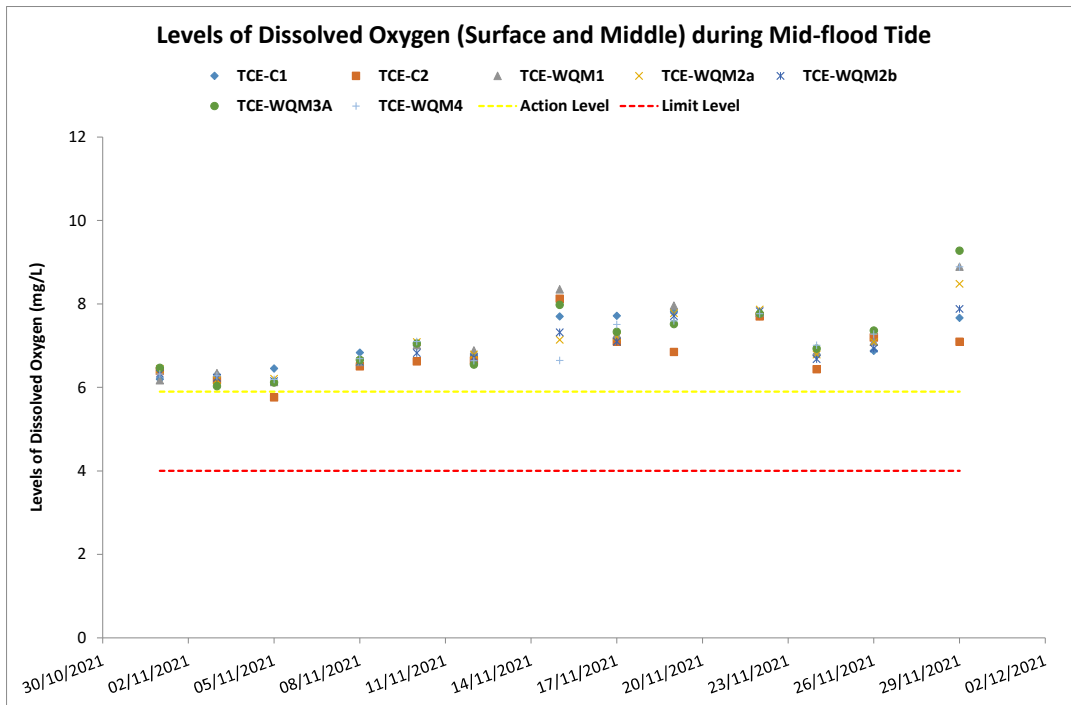


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 November 2021

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

Date: November 2021

**Environmental
Resources
Management**



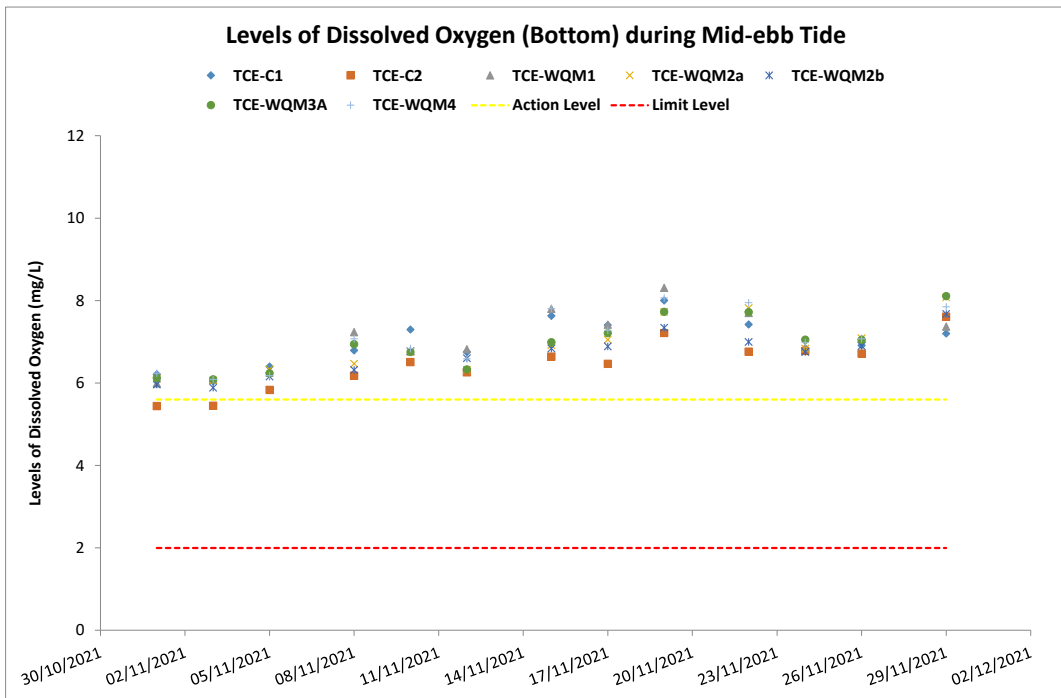


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 November 2021

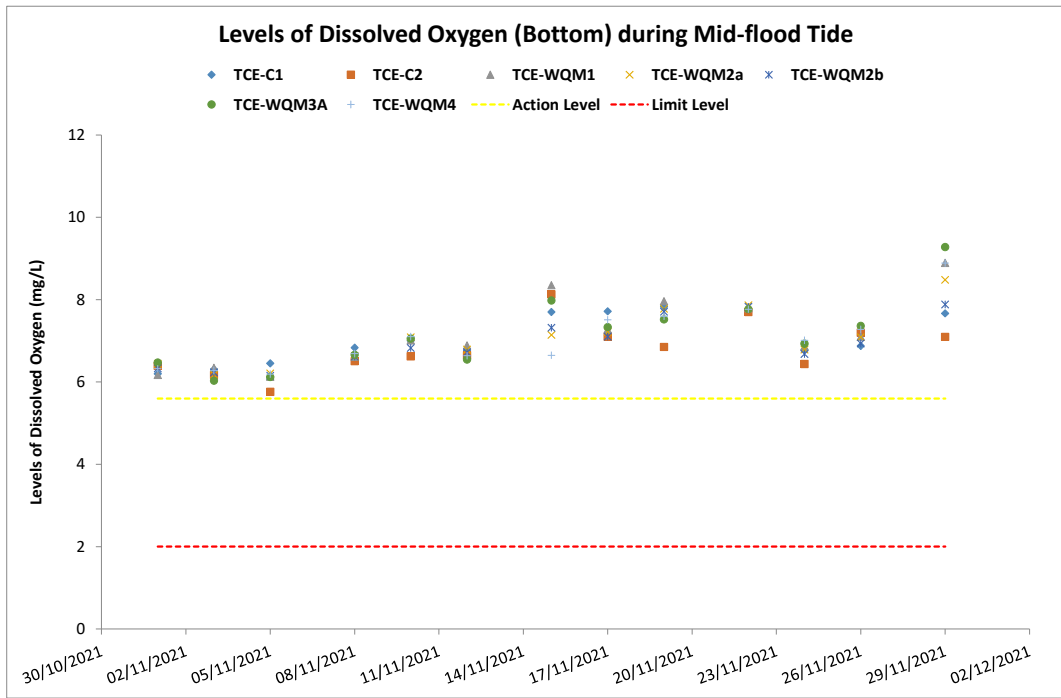


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 November 2021

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

**Environmental
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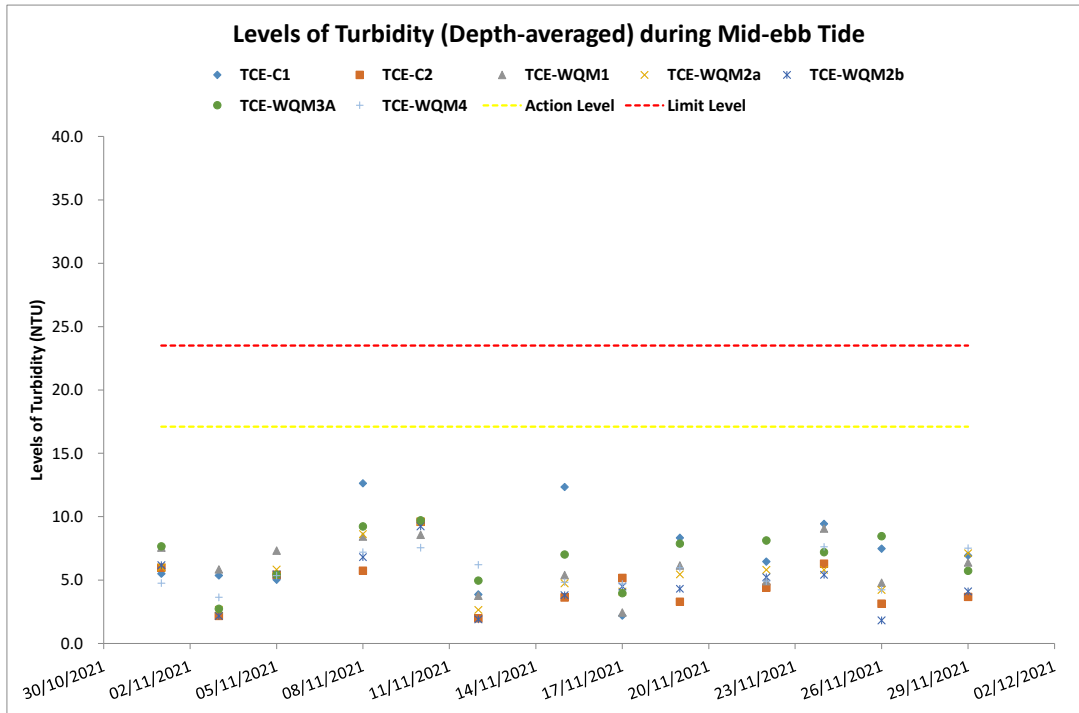


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 November 2021

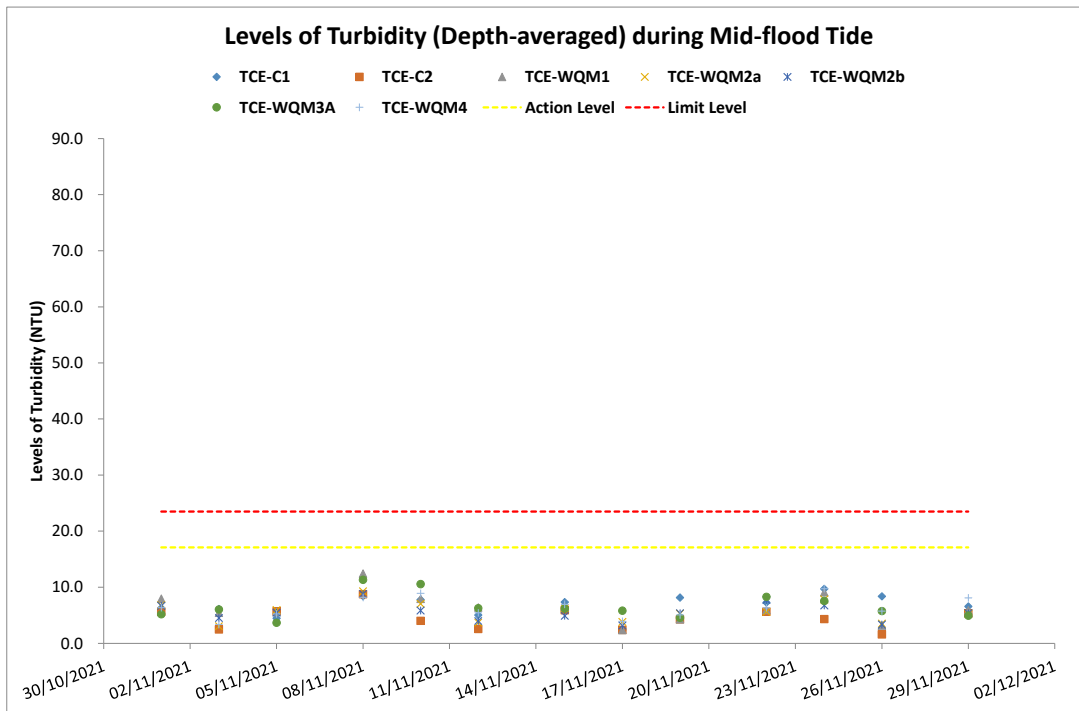


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 November 2021

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

Date: November 2021

**Environmental
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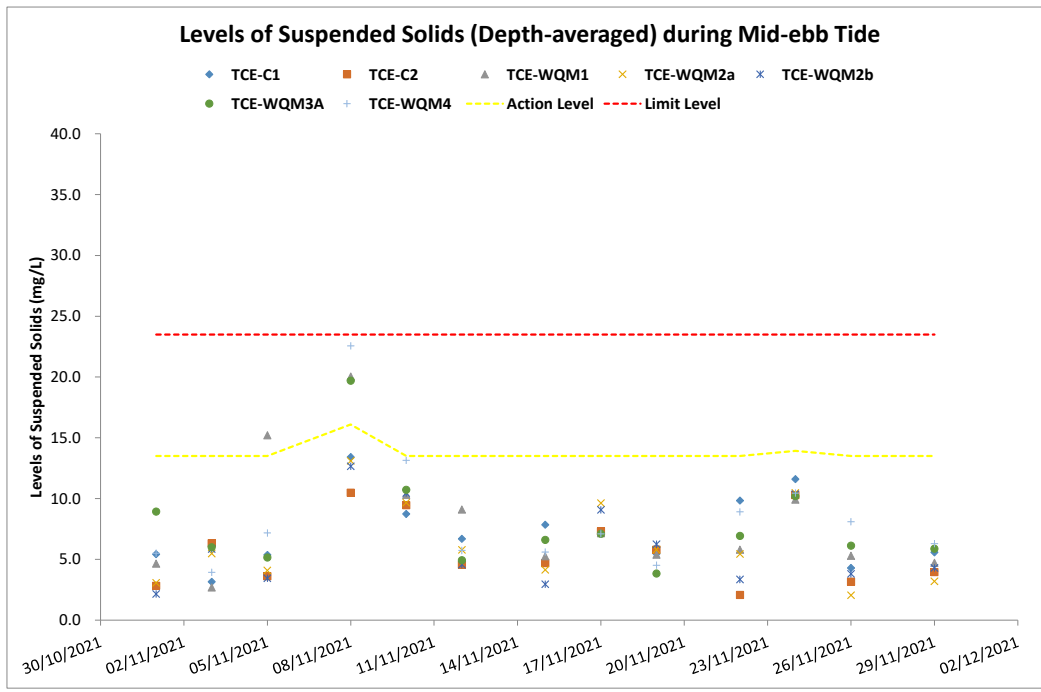


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 November 2021

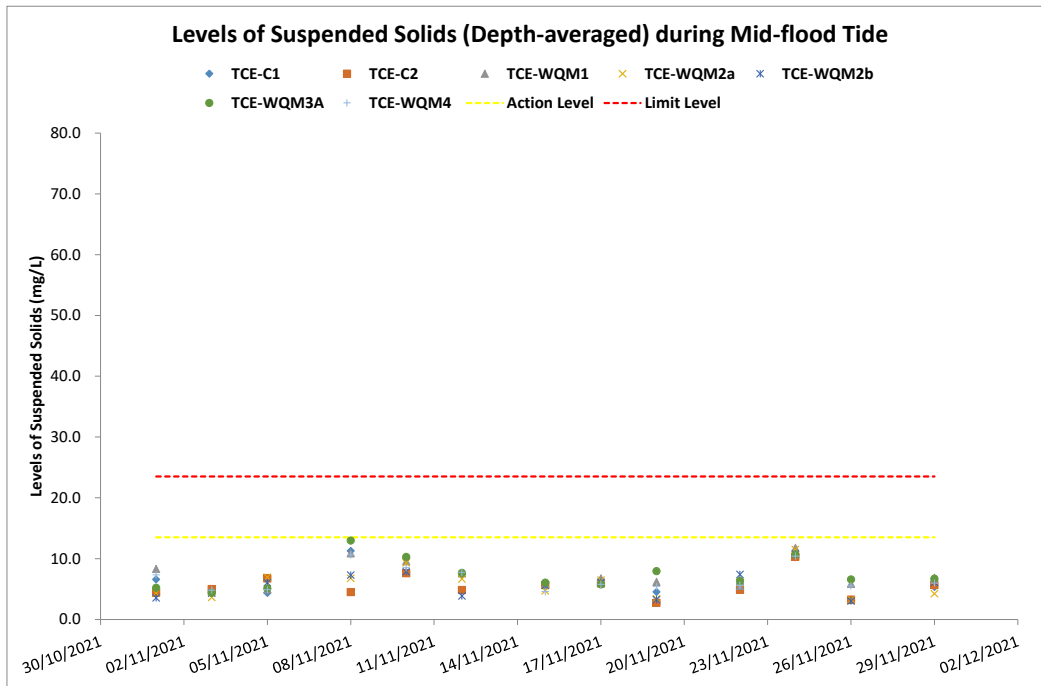


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 November 2021

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

Date: November 2021

**Environmental
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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)		
2021-11-01	Mid-Ebb	TCE-C1	Cloudy	Rough	11:30	7.6	Surface	1.0	1	25.6	8.1	32.7	6.3	92.7	3.8	4.6	6.3	5.5	5.4		
									2	25.6	8.1	32.7	6.3	92.7	3.8	4.8					
							Middle	3.8	1	25.7	8.1	32.8	6.2	91.6	6.0	5.6					
									2	25.7	8.1	32.8	6.2	91.6	6.0	5.5					
							Bottom	6.6	1	25.7	8.1	32.9	6.2	91.5	6.8	6.3					
									2	25.7	8.1	32.9	6.2	91.6	6.8	5.7					
		TCE-C2	Cloudy	Rough	9:17	15.5	Surface	1.0	1	25.7	8.1	32.3	5.8	85.4	5.2	1.9	5.6	6.0	2.8		
									2	25.7	8.1	32.3	5.8	85.3	5.2	2.7					
							Middle	7.8	1	25.9	8.1	32.5	5.5	81.0	5.6	2.9					
									2	25.9	8.1	32.5	5.5	81.0	5.5	3.2					
							Bottom	14.5	1	26.0	8.0	32.5	5.4	80.4	7.2	3.2					
									2	26.0	8.0	32.5	5.4	80.5	7.2	3.1					
		TCE-WQM1	Cloudy	Moderate	10:42	9.9	Surface	1.0	1	25.6	8.0	31.9	6.1	89.1	7.0	4.4	6.0	7.6	4.7		
									2	25.6	8.0	31.9	6.1	89.0	7.0	5.0					
							Middle	5.0	1	25.6	8.0	32.1	6.0	88.3	7.2	4.9					
									2	25.6	8.0	32.1	6.0	88.3	7.2	4.3					
							Bottom	8.9	1	25.6	8.0	32.2	6.0	87.9	8.5	4.8					
									2	25.6	8.0	32.2	6.0	87.9	8.5	4.5					
		TCE-WQM2a	Cloudy	Moderate	10:03	7.1	Surface	1.0	1	25.4	8.0	31.8	6.3	91.1	6.2	3.2	6.2	6.0	3.1		
									2	25.4	8.0	31.8	6.3	91.1	6.2	3.9					
							Middle	3.6	1	25.3	8.0	31.9	6.2	90.1	5.8	2.9					
									2	25.3	8.0	31.9	6.2	90.1	5.9	3.4					
							Bottom	6.1	1	25.3	8.0	32.0	6.1	89.2	5.9	2.2					
									2	25.3	8.0	32.0	6.1	89.1	6.0	2.8					
		TCE-WQM2b	Cloudy	Rough	9:50	11.4	Surface	1.0	1	25.5	8.0	31.9	6.2	90.7	5.2	2.0	6.1	6.2	2.2		
									2	25.5	8.0	31.9	6.2	90.7	5.2	1.6					
							Middle	5.7	1	25.5	7.9	32.0	6.0	88.5	5.7	2.1					
									2	25.5	7.9	32.0	6.0	88.5	5.8	2.0					
							Bottom	10.4	1	25.5	7.9	32.1	6.0	87.4	7.5	3.0					
									2	25.5	7.9	32.1	6.0	87.4	7.5	2.2					
		TCE-WQM3A	Cloudy	Moderate	10:17	4.2	Surface	1.0	1	25.4	8.0	31.1	6.1	88.9	6.8	7.8	6.1	7.7	8.9		
									2	25.4	8.0	31.1	6.1	88.9	6.8	7.6					
							Bottom	3.2	1	25.4	8.0	31.8	6.1	89.2	8.6	10.8					
									2	25.4	8.0	31.8	6.1	89.4	8.6	9.5					
							Bottom	3.4	1	25.3	8.0	31.8	6.2	90.9	5.3	5.2					
									2	25.3	8.0	31.8	6.2	90.9	5.3	5.5					
		TCE-WQM4	Cloudy	Moderate	10:28	4.4	Surface	1.0	1	25.4	8.0	31.8	6.3	91.4	4.2	5.6	6.3	4.8	5.5		
									2	25.4	8.0	31.8	6.3	91.4	4.2	5.7					
							Bottom	3.4	1	25.3	8.0	31.8	6.2	90.9	5.3	5.2					
									2	25.3	8.0	31.8	6.2	90.9	5.3	5.5					
							Bottom	3.4	1	25.3	8.0	31.8	6.2	90.9	5.3	5.5					
									2	25.3	8.0	31.8	6.2	90.9	5.3	5.5					
		2021-11-01	Mid-Flood	TCE-C1	Cloudy	Rough	15:21	7.2	Surface	1.0	1	25.6	8.2	32.7	6.2	91.3	4.6	6.5	6.2	6.3	6.6
											2	25.6	8.2	32.7	6.2	91.3	4.7	5.8			
									Middle	3.6	1	25.6	8.2	32.7	6.2	91.4	5.6	7.0			
											2	25.6	8.2	32.7	6.2	91.4	5.6	6.5			
									Bottom	6.2	1	25.6	8.1	32.7	6.2	91.6	8.7	6.5			
											2	25.6	8.1	32.7	6.2	91.6	8.7	6.5			
TCE-C2	Cloudy			Rough	17:46	14.2	Surface	1.0	1	25.7	8.2	31.8	6.4	94.4	4.6	3.9	6.4	5.6	4.4		
									2	25.7	8.2	31.8	6.4	94.4	4.6	3.8					
							Middle	7.1	1	25.6	8.2	31.8	6.4	93.2	5.9	4.2					
									2	25.6	8.2	31.8	6.4	93.2	5.9	5.0					
							Bottom	13.2	1	25.7	8.1	31.9	6.3	92.1	6.4	4.4					
									2	25.7	8.1	31.9	6.3	92.1	6.4	5.2					
TCE-WQM1	Fine			Moderate	16:17	9.1	Surface	1.0	1	25.9	8.2	32.0	6.2	91.1	6.5	7.2	6.2	8.0	8.3		
									2	25.9	8.2	32.0	6.2	91.0	6.5	8.1					
							Middle	4.6	1	25.9	8.2	32.0	6.2	90.9	7.5	8.5					
									2	25.9	8.2	32.0	6.2	90.9	7.5	7.9					
							Bottom	8.1	1	25.8	8.2	32.0	6.1	89.8	9.9	8.8					
									2	25.8	8.2	32.0	6.1	89.8	9.9	9.4					
TCE-WQM2a	Fine			Rough	16:59	7.1	Surface	1.0	1	25.8	8.2	31.9	6.5	95.0	5.2	5.2	6.4	6.8	4.3		
									2	25.8	8.2	31.9	6.5	95.0	5.2	5.2					
							Middle	3.6	1	25.8	8.2	31.9	6.4	94.6	6.4	4.4					
									2	25.8	8.2	31.9	6.4	94.6	6.4	4.4					
							Bottom	6.1	1	25.7	8.2	31.9	6.4	93.4	8.8	2.9					
									2	25.7	8.2	31.9	6.4	93.4	8.8	3.9					
TCE-WQM2b	Cloudy			Rough	17:11	11.6	Surface	1.0	1	25.7	8.1	31.8	6.4	93.9	3.7	2.6	6.3	6.7	3.5		
									2	25.7	8.1	31.8	6.4	93.9	3.8	3.2					
							Middle	5.8	1	25.6	8.1	31.8	6.3	91.9	6.7	3.9					
									2	25.6	8.1	31.8	6.3	91.9	6.7	3.5					
							Bottom	10.6	1	25.7	8.1	32.0	6.2	91.3	9.6	4.3					
									2	25.7	8.1	32.0	6.2	91.3	9.6	3.7					
TCE-WQM3A	Fine			Moderate	16:46	3.7	Surface	1.0	1	25.8	8.2	31.9	6.5	95.2	4.1	7.4	6.5	5.2	5.2		
									2	25.8	8.2	31.9	6.5	95.2	4.1	6.5					
							Bottom	2.7	1	25.8	8.2	31.9	6.5	95.4	6.3	3.4					
									2	25.8	8.2	31.9	6.5	95.5	6.3	3.5					
							Bottom	2.7	1	25.8	8.2	31.9	6.5	95.4	6.3	3.4					
									2	25.8	8.2	31.9	6.5	95.5	6.3	3.5					
TCE-WQM4	Fine			Moderate	16:31	3.2	Surface	1.0	1	25.6	8.2	31.7	6.3	92.7	5.1	7.2	6.3	6.4	7.3		
									2	25.6	8.2	31.8	6.3	92.6	5.1	6.9					
							Bottom	2.2	1	25.6	8.2	31.8	6.3	92.6	7.6	7.2					
									2	25.6	8.2	31.8	6.3	92.7	7.6	8.0					
							Bottom	2.2	1	25.6	8.2	31.8	6.3	92.6	7.6	7.2					
									2	25.6	8.2	31.8	6.3	92.7	7.6	8.0					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged												
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)										
2021-11-03	Mid-Ebb	TCE-C1	Fine	Rough	11:50	8.5	Surface	1.0	1	25.9	8.1	32.5	6.1	89.7	4.3	3.6	6.1	5.4	3.2										
									2	25.9	8.1	32.5	6.1	89.7	4.3	2.9													
							Middle	4.3	1	25.9	8.1	32.5	6.1	89.4	5.1	2.7													
									2	25.9	8.1	32.5	6.1	89.4	5.1	3.6													
							Bottom	7.5	1	25.9	8.1	32.5	6.0	89.2	6.6	3.2													
									2	25.9	8.1	32.4	6.0	89.2	6.6	2.9													
		TCE-C2	Fine	Rough	10:01	15.6	Surface	1.0	1	26.0	8.0	32.5	5.6	82.2	1.2	6.7	5.5	2.2	6.3										
									2	26.0	8.0	32.5	5.6	82.2	1.2	7.1													
							Middle	7.8	1	26.1	8.0	32.6	5.5	81.0	2.9	7.0													
									2	26.1	8.0	32.6	5.5	81.0	2.8	5.2													
							Bottom	14.6	1	26.1	8.0	32.6	5.5	80.9	2.5	5.9													
									2	26.1	8.0	32.6	5.5	80.9	2.5	6.0													
		TCE-WQM1	Fine	Moderate	11:08	10.6	Surface	1.0	1	25.9	8.0	32.5	6.1	89.8	5.9	2.6	6.1	5.8	2.7										
									2	25.9	8.0	32.5	6.1	89.8	5.9	3.0													
							Middle	5.3	1	25.9	8.0	32.5	6.1	89.5	5.2	2.9													
									2	25.9	8.0	32.5	6.1	89.6	5.2	2.4													
							Bottom	9.6	1	25.8	8.0	32.5	6.1	89.7	6.4	2.7													
									2	25.8	8.0	32.5	6.1	89.7	6.4	2.5													
		TCE-WQM2a	Fine	Rough	10:35	7.7	Surface	1.0	1	25.6	8.0	32.1	6.1	89.3	2.5	5.4	6.1	2.7	5.5										
									2	25.6	8.0	32.1	6.1	89.3	2.5	6.0													
							Middle	3.9	1	25.6	8.0	32.1	6.1	88.8	3.0	5.3													
									2	25.6	8.0	32.1	6.1	88.8	3.0	5.9													
							Bottom	6.7	1	25.6	8.0	32.1	6.1	88.9	2.5	5.2													
									2	25.6	8.0	32.1	6.1	89.0	2.5	5.1													
		TCE-WQM2b	Fine	Rough	10:24	11.8	Surface	1.0	1	25.7	8.0	32.2	5.9	87.5	1.9	6.8	5.9	2.2	5.9										
									2	25.7	8.0	32.2	5.9	87.4	1.9	5.9													
							Middle	5.9	1	25.7	7.9	32.2	5.9	86.7	2.4	5.6													
									2	25.7	7.9	32.2	5.9	86.7	2.3	6.0													
							Bottom	10.8	1	25.7	7.9	32.3	5.9	86.6	2.3	5.8													
									2	25.7	7.9	32.2	5.9	86.7	2.3	5.0													
		TCE-WQM3A	Fine	Moderate	10:48	4.3	Surface	1.0	1	25.7	8.1	32.1	6.1	89.6	3.3	5.9	6.1	2.7	6.0										
									2	25.7	8.1	32.1	6.1	89.6	3.3	6.4													
							Bottom	3.3	1	25.6	8.0	32.1	6.1	89.4	2.1	6.1													
									2	25.6	8.0	32.1	6.1	89.4	2.1	5.6													
							TCE-WQM4	Fine	Moderate	10:57	3.7	Surface	1.0	1	25.6	8.0				32.1	6.1	89.7	2.8	3.4	6.1	3.6	3.9		
														2	25.6	8.0				32.1	6.1	89.6	2.8	4.5					
		Bottom	2.7	1	25.6	8.0						32.1	6.1	89.4	4.5	4.3													
				2	25.6	8.0						32.1	6.1	89.4	4.5	3.5													
		2021-11-03	Mid-Flood	TCE-C1	Fine	Rough						16:12	8.1	Surface	1.0	1	25.9	7.8	32.9	6.3	94.0	4.0	5.0	6.3				6.1	4.3
																2	25.9	7.8	32.9	6.3	93.9	4.1	4.3						
							Middle	4.1	1	25.8	7.8			33.0	6.3	92.9	5.8	4.1											
									2	25.8	7.8			33.0	6.3	92.9	5.8	4.8											
							Bottom	7.1	1	25.9	7.7			33.0	6.3	92.9	8.5	4.0											
									2	25.9	7.7			33.0	6.3	92.9	8.5	3.6											
				TCE-C2	Fine	Rough	17:56	14.7	Surface	1.0	1	25.9	7.8	32.1	6.3	92.1	1.1	4.0	6.2	2.5	5.0								
											2	25.9	7.8	32.1	6.3	92.1	1.1	4.5											
									Middle	7.4	1	25.8	7.8	32.2	6.1	89.8	2.3	5.1											
											2	25.8	7.8	32.2	6.1	89.7	2.2	5.3											
Bottom	13.7								1	25.8	7.8	32.2	6.1	89.3	4.1	5.2													
									2	25.8	7.8	32.2	6.1	89.3	4.2	6.0													
TCE-WQM1	Sunny			Moderate	16:51	9.1	Surface	1.0	1	26.0	7.8	32.9	6.4	95.1	3.4	4.9	6.3	5.4	4.6										
									2	26.0	7.8	32.9	6.4	95.1	3.3	5.0													
							Middle	4.6	1	25.8	7.8	33.0	6.3	92.9	5.2	4.4													
									2	25.8	7.8	33.0	6.3	92.9	5.2	4.7													
							Bottom	8.1	1	25.9	7.8	33.0	6.3	92.8	7.7	4.4													
									2	25.9	7.8	33.0	6.3	92.8	7.7	4.3													
TCE-WQM2a	Sunny			Moderate	17:22	7.4	Surface	1.0	1	25.8	7.9	32.1	6.3	92.7	2.6	3.1	6.2	3.1	3.6										
									2	25.8	7.9	32.1	6.3	92.7	2.6	3.4													
							Middle	3.7	1	25.7	7.9	32.1	6.1	89.0	2.7	3.3													
									2	25.7	7.9	32.1	6.1	89.0	2.8	4.0													
							Bottom	6.4	1	25.7	7.9	32.2	6.0	87.7	3.9	4.3													
									2	25.7	7.9	32.2	6.0	87.8	3.9	3.7													
TCE-WQM2b	Fine			Rough	17:33	9.4	Surface	1.0	1	25.9	7.8	32.2	6.3	92.3	3.1	2.8	6.2	4.5	4.3										
									2	25.9	7.8	32.2	6.3	92.3	3.1	3.8													
							Middle	4.7	1	25.8	7.8	32.2	6.2	91.5	4.6	4.5													
									2	25.8	7.8	32.2	6.2	91.5	4.7	5.0													
							Bottom	8.4	1	25.8	7.8	32.2	6.1	90.4	5.8	4.4													
									2	25.8	7.8	32.2	6.1	90.4	5.8	5.3													
TCE-WQM3A	Sunny			Moderate	17:12	4.1	Surface	1.0	1	25.7	7.9	31.6	6.0	88.4	2.7	3.8	6.0	6.0	4.4										
									2	25.7	7.9	31.6	6.0	88.4	2.7	4.5													
							Bottom	3.1	1	25.7	8.0	32.0	6.0	88.2	9.4	4.9													
									2	25.7	8.0	32.0	6.0	88.2	9.4	4.4													
							TCE-WQM4	Sunny	Moderate	17:01	4.6	Surface	1.0	1	25.8	7.9				32.1	6.3	92.5	2.6	5.2	6.3	3.4	4.9		
														2	25.8	7.9				32.1	6.3	92.5	2.6	4.6					
Bottom	3.6			1	25.7	7.9						32.1	6.3	91.9	4.1	4.7													
				2	25.7	7.9						32.1	6.3	91.9	4.1	4.9													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged												
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)										
2021-11-05	Mid-Ebb	TCE-C1	Sunny	Rough	11:35	8.1	Surface	1.0	1	26.1	7.9	31.6	6.6	97.2	2.1	4.6	6.5	5.0	5.4										
									2	26.1	7.9	31.6	6.6	97.2	2.1	5.0													
							Middle	4.1	1	25.9	8.0	32.3	6.4	94.9	4.7	5.5													
									2	25.9	8.0	32.3	6.4	94.9	4.7	5.2													
							Bottom	7.1	1	25.8	8.2	32.6	6.4	94.6	8.3	5.9													
									2	25.8	8.2	32.6	6.4	94.6	8.3	6.0													
		TCE-C2	Sunny	Moderate	13:18	14.9	Surface	1.0	1	26.1	7.9	32.0	6.1	90.7	3.2	2.5	6.0	5.4	3.6										
									2	26.1	7.9	32.0	6.1	90.6	3.2	2.2													
							Middle	7.5	1	26.1	7.9	32.3	5.9	86.6	5.6	3.3													
									2	26.1	7.9	32.3	5.9	86.6	5.6	3.6													
							Bottom	13.9	1	26.0	7.9	32.3	5.8	86.3	7.5	5.1													
									2	26.0	7.9	32.3	5.8	86.4	7.5	5.0													
		TCE-WQM1	Sunny	Moderate	12:13	8.4	Surface	1.0	1	25.9	7.9	32.2	6.2	91.9	5.6	16.7	6.2	7.3	15.2										
									2	25.9	7.9	32.2	6.2	91.9	5.6	16.5													
							Middle	4.2	1	25.9	8.0	32.2	6.2	92.0	9.6	14.9													
									2	25.9	8.0	32.2	6.2	92.0	9.7	14.7													
							Bottom	7.4	1	25.9	8.0	32.2	6.3	92.3	6.7	14.0													
									2	25.9	8.0	32.2	6.3	92.3	6.7	14.4													
		TCE-WQM2a	Sunny	Moderate	12:45	8.4	Surface	1.0	1	26.1	7.8	31.9	6.4	94.9	2.5	3.8	6.4	5.8	4.1										
									2	26.1	7.8	31.9	6.4	94.9	2.5	3.9													
							Middle	4.2	1	26.0	7.8	32.0	6.4	94.2	6.4	4.0													
									2	26.0	7.8	32.0	6.4	94.2	6.5	4.2													
							Bottom	7.4	1	25.9	7.8	32.0	6.3	93.4	8.5	4.1													
									2	25.9	7.8	32.0	6.3	93.4	8.6	4.5													
		TCE-WQM2b	Sunny	Moderate	12:57	10.1	Surface	1.0	1	26.4	7.7	30.6	6.5	96.0	3.6	3.8	6.4	5.4	3.4										
									2	26.4	7.7	30.6	6.5	96.0	3.6	3.9													
							Middle	5.1	1	26.2	7.8	31.4	6.3	95.2	5.2	3.2													
									2	26.2	7.8	31.4	6.3	95.2	5.2	3.5													
							Bottom	9.1	1	26.1	7.8	31.9	6.2	93.0	7.5	3.2													
									2	26.1	7.8	31.9	6.2	93.0	7.5	3.0													
		TCE-WQM3A	Sunny	Moderate	12:35	4.6	Surface	1.0	1	26.2	7.7	31.7	6.3	93.4	3.1	5.8	6.3	5.4	5.2										
									2	26.2	7.7	31.7	6.3	93.4	3.1	5.4													
							Bottom	3.6	1	25.9	7.8	32.0	6.2	92.0	7.7	4.6													
									2	25.9	7.8	32.0	6.2	92.0	7.7	4.8													
							TCE-WQM4	Sunny	Moderate	12:25	4.1	Surface	1.0	1	26.2	7.7				32.1	6.2	91.8	4.3	6.5	6.2	5.4	7.2		
														2	26.2	7.7				32.1	6.2	91.8	4.2	6.7					
		Bottom	3.1	1	25.9	7.8						32.1	6.2	91.1	6.5	7.9													
				2	25.9	7.8						32.1	6.2	91.1	6.5	7.6													
		2021-11-05	Mid-Flood	TCE-C1	Fine	Rough						8:47	8.3	Surface	1.0	1	25.9	8.2	31.6	6.5	95.2	3.2	3.9	6.5				4.5	4.4
																2	25.9	8.2	31.6	6.5	95.2	3.3	3.5						
							Middle	4.2	1	25.9	8.1			31.8	6.4	94.6	3.7	4.2											
									2	25.9	8.1			31.8	6.4	94.6	3.7	4.5											
							Bottom	7.3	1	25.8	8.1			32.5	6.4	94.9	6.5	4.9											
									2	25.8	8.1			32.5	6.4	94.9	6.4	5.2											
				TCE-C2	Fine	Rough	6:43	15.6	Surface	1.0	1	26.0	8.1	32.3	5.8	86.2	3.0	6.4	5.8	5.7	6.7								
											2	26.0	8.1	32.3	5.8	86.2	3.0	6.3											
									Middle	7.8	1	26.0	8.0	32.4	5.7	84.2	6.4	6.9											
											2	26.0	8.0	32.4	5.7	84.2	6.5	6.6											
Bottom	14.6								1	26.0	8.0	32.4	5.7	84.1	7.7	7.2													
									2	26.0	8.0	32.4	5.7	84.1	7.7	7.0													
TCE-WQM1	Fine			Moderate	7:50	9.2	Surface	1.0	1	25.8	8.1	32.2	6.1	90.4	4.4	4.6	6.1	5.6	5.0										
									2	25.8	8.1	32.2	6.1	90.4	4.4	4.3													
							Middle	4.6	1	25.8	8.1	32.2	6.1	90.3	5.8	5.2													
									2	25.8	8.1	32.2	6.1	90.3	5.9	4.9													
							Bottom	8.2	1	25.8	8.1	32.2	6.1	90.5	6.6	5.6													
									2	25.8	8.1	32.2	6.1	90.5	6.6	5.2													
TCE-WQM2a	Fine			Rough	7:17	8.9	Surface	1.0	1	25.9	8.0	31.9	6.2	91.9	4.1	7.2	6.2	5.9	7.0										
									2	25.9	8.0	31.9	6.2	91.9	4.1	7.4													
							Middle	4.5	1	25.9	8.0	32.0	6.2	91.2	4.8	7.0													
									2	25.9	8.0	32.0	6.2	91.2	4.8	6.7													
							Bottom	7.9	1	25.9	8.0	32.0	6.2	90.6	8.8	6.7													
									2	25.9	8.0	32.0	6.2	90.6	9.0	6.7													
TCE-WQM2b	Fine			Rough	7:05	11.5	Surface	1.0	1	25.9	8.1	31.9	6.2	90.7	3.9	6.6	6.2	5.5	6.1										
									2	25.9	8.1	31.9	6.2	90.7	3.9	6.5													
							Middle	5.8	1	25.9	8.1	31.9	6.2	90.7	5.8	6.0													
									2	25.9	8.1	31.9	6.2	90.7	5.9	5.8													
							Bottom	10.5	1	25.9	8.1	31.9	6.2	90.8	6.7	5.7													
									2	25.9	8.1	31.9	6.2	90.8	6.7	5.8													
TCE-WQM3A	Fine			Moderate	7:28	4.1	Surface	1.0	1	25.8	8.0	32.0	6.1	90.1	2.6	5.0	6.1	3.7	5.1										
									2	25.8	8.0	32.0	6.1	90.1	2.6	4.8													
							Bottom	3.1	1	25.8	8.0	32.0	6.1	89.2	4.8	5.4													
									2	25.7	8.0	32.0	6.1	89.2	4.8	5.2													
							TCE-WQM4	Fine	Moderate	7:38	4.9	Surface	1.0	1	25.8	8.0				32.1	6.2	91.2	2.5	4.5	6.2	5.3	4.9		
														2	25.8	8.0				32.1	6.2	91.2	2.5	4.8					
Bottom	3.9			1	25.8	8.0						32.1	6.3	92.1	8.0	5.0													
				2	25.8	8.0						32.1	6.3	92.1	8.0	5.2													

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)		
2021-11-08	Mid-Ebb	TCE-C1	Cloudy	Rough	13:50	7.8	Surface	1.0	1	25.8	8.1	31.2	6.7	97.6	12.1	14.3	6.7	12.6	13.4		
									2	25.8	8.1	31.2	6.7	97.6	12.1	14.0					
							Middle	3.9	1	25.6	8.1	31.2	6.7	98.5	10.1	13.5					
									2	25.6	8.1	31.2	6.8	98.5	10.1	12.7					
							Bottom	6.8	1	25.5	8.1	31.2	6.8	98.9	15.7	13.2					
									2	25.5	8.1	31.2	6.8	98.9	15.7	12.8					
		TCE-C2	Fine	Rough	15:42	15.1	Surface	1.0	1	26.1	8.1	31.3	6.8	99.4	5.0	10.2	6.6	5.7	10.5		
									2	26.1	8.1	31.3	6.8	99.3	5.0	11.0					
							Middle	7.6	1	26.2	8.0	31.8	6.5	95.3	4.6	11.1					
									2	26.2	8.0	31.8	6.5	95.3	4.7	10.3					
							Bottom	14.1	1	26.1	8.0	32.3	6.2	91.5	7.6	9.9					
									2	26.1	8.0	32.3	6.2	91.6	7.6	10.4					
		TCE-WQM1	Fine	Rough	14:26	9.6	Surface	1.0	1	25.5	8.1	31.2	7.0	100.6	5.1	13.2	7.0	8.4	20.0		
									2	25.5	8.1	31.2	7.0	100.6	5.1	22.6					
							Middle	4.8	1	25.5	8.1	31.2	7.0	101.3	9.6	18.5					
									2	25.5	8.1	31.2	7.0	101.4	9.6	18.9					
							Bottom	8.6	1	25.4	8.1	31.2	7.2	104.4	10.7	23.0					
									2	25.4	8.1	31.2	7.3	104.9	10.7	24.0					
		TCE-WQM2a	Fine	Rough	15:04	7.2	Surface	1.0	1	26.0	8.1	30.9	6.8	100.5	5.9	11.9	6.8	8.6	13.1		
									2	26.0	8.1	30.9	6.8	100.5	5.9	11.8					
							Middle	3.6	1	26.0	8.0	31.0	6.8	99.9	7.3	15.7					
									2	26.0	8.0	31.0	6.8	99.8	7.3	11.4					
							Bottom	6.2	1	26.1	8.0	31.5	6.5	95.4	12.7	11.4					
									2	26.2	8.0	31.5	6.5	95.4	12.8	16.4					
		TCE-WQM2b	Fine	Rough	15:17	11.7	Surface	1.0	1	26.2	8.0	31.2	6.6	97.2	6.0	14.8	6.6	6.8	12.7		
									2	26.2	8.0	31.2	6.6	97.2	6.0	13.5					
							Middle	5.9	1	26.2	8.0	31.3	6.5	96.3	6.2	13.8					
									2	26.2	8.0	31.3	6.5	96.3	6.2	13.0					
							Bottom	10.7	1	26.1	8.0	32.1	6.3	93.4	8.2	12.2					
									2	26.1	8.0	32.1	6.3	93.6	8.2	8.6					
		TCE-WQM3A	Fine	Rough	14:52	4.3	Surface	1.0	1	25.8	8.1	31.2	7.0	101.8	8.9	17.8	7.0	9.2	19.7		
									2	25.8	8.1	31.2	7.0	101.8	8.9	18.6					
							Bottom	3.3	1	25.8	8.1	31.2	6.9	101.7	9.6	21.9					
									2	25.8	8.1	31.2	7.0	101.7	9.6	20.5					
							Surface	1.0	1	26.0	8.1	31.4	7.0	103.5	7.1	21.4					
									2	26.0	8.1	31.4	7.0	103.5	7.1	21.6					
		TCE-WQM4	Fine	Rough	14:40	4.1	Surface	1.0	1	26.0	8.1	31.4	7.1	103.9	7.4	23.6	7.1	7.2	22.6		
									2	26.0	8.1	31.4	7.1	103.9	7.4	23.6					
							Bottom	3.1	1	26.0	8.1	31.4	7.1	103.9	7.4	23.6					
									2	26.0	8.1	31.4	7.1	103.9	7.4	23.6					
							Surface	1.0	1	25.5	8.1	30.6	6.9	99.5	6.2	12.0					
									2	25.5	8.1	30.6	6.9	99.5	6.2	12.0					
		2021-11-08	Mid-Flood	TCE-C1	Cloudy	Rough	10:25	7.3	Surface	1.0	1	25.5	8.1	30.6	6.9	99.5	6.2	12.0	6.8	8.4	11.3
											2	25.5	8.1	30.6	6.9	99.5	6.2	12.0			
									Middle	3.7	1	25.5	8.1	30.8	6.8	99.0	8.1	11.2			
											2	25.5	8.1	30.8	6.8	99.1	8.1	11.1			
									Bottom	6.3	1	25.4	8.1	30.9	6.8	99.3	10.9	10.8			
											2	25.4	8.1	30.9	6.8	99.3	11.0	11.0			
TCE-C2	Cloudy			Rough	8:33	13.5	Surface	1.0	1	26.2	8.0	30.8	6.5	95.9	7.3	5.0	6.5	8.8	4.5		
									2	26.2	8.0	30.8	6.5	95.9	7.3	5.3					
							Middle	6.8	1	26.2	8.0	30.8	6.5	95.5	8.8	5.1					
									2	26.2	8.0	30.8	6.5	95.5	8.8	4.6					
							Bottom	12.5	1	26.2	7.9	30.8	6.5	95.4	10.2	3.7					
									2	26.2	7.9	30.8	6.5	95.4	10.2	3.4					
TCE-WQM1	Cloudy			Rough	9:44	10.6	Surface	1.0	1	25.7	8.0	31.3	6.6	96.8	11.5	12.4	6.6	12.4	10.9		
									2	25.7	8.0	31.3	6.6	96.9	11.5	11.2					
							Middle	5.3	1	25.7	8.0	31.3	6.6	96.6	12.8	10.4					
									2	25.7	8.0	31.3	6.6	96.6	12.8	11.0					
							Bottom	9.6	1	25.7	8.0	31.3	6.6	96.7	13.0	9.7					
									2	25.7	8.0	31.3	6.6	96.8	13.1	10.5					
TCE-WQM2a	Cloudy			Rough	9:08	7.8	Surface	1.0	1	25.9	8.0	30.8	6.6	97.1	8.0	7.9	6.6	9.3	6.8		
									2	25.9	8.0	30.8	6.6	97.1	8.0	7.0					
							Middle	3.9	1	25.9	8.0	30.9	6.6	96.9	8.6	6.2					
									2	25.9	8.0	30.9	6.6	96.9	8.6	6.7					
							Bottom	6.8	1	25.9	8.0	30.9	6.6	96.8	11.2	6.5					
									2	25.9	8.0	30.9	6.6	96.8	11.3	6.3					
TCE-WQM2b	Cloudy			Rough	8:56	9.1	Surface	1.0	1	25.9	8.0	30.4	6.6	96.9	6.2	9.0	6.6	8.8	7.3		
									2	25.9	8.0	30.4	6.6	96.9	6.3	8.0					
							Middle	4.6	1	25.9	8.0	30.6	6.6	96.8	9.3	7.8					
									2	25.9	8.0	30.6	6.6	96.8	9.4	7.1					
							Bottom	8.1	1	25.9	8.0	30.9	6.6	96.8	10.8	5.7					
									2	25.9	8.0	30.9	6.6	96.9	10.9	6.2					
TCE-WQM3A	Cloudy			Rough	9:20	3.9	Surface	1.0	1	25.6	8.0	31.2	6.7	97.2	10.8	12.3	6.7	11.3	13.0		
									2	25.6	8.0	31.2	6.7	97.2	10.9	13.4					
							Bottom	2.9	1	25.6	8.0	31.3	6.7	97.2	11.9	13.5					
									2	25.6	8.0	31.3	6.7	97.3	11.8	12.7					
							Surface	1.0	1	25.8	8.0	31.3	6.7	98.1	9.2	9.0					
									2	25.8	8.0	31.3	6.7	98.1	9.2	10.6					
TCE-WQM4	Cloudy			Rough	9:31	4.1	Surface	1.0	1	25.8	8.0	31.3	6.9	100.7	7.2	11.0	6.9	8.2	10.6		
									2	25.8	8.0	31.3	6.9	100.7	7.2	11.0					
							Bottom	3.1	1	25.8	8.0	31.3	6.9	100.7	7.2	11.0					
									2	25.8	8.0	31.3	6.9	100.9	7.2	11.9					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged												
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)										
2021-11-10	Mid-Ebb	TCE-C1	Sunny	Rough	6:13	8.0	Surface	1.0	1	23.9	8.2	32.1	7.5	106.7	6.9	7.9	7.4	9.6	8.7										
									2	23.9	8.2	32.1	7.5	106.7	6.9	8.2													
							Middle	4.0	1	23.9	8.2	32.6	7.4	105.4	9.4	8.6													
									2	23.9	8.2	32.7	7.4	105.4	9.7	8.8													
							Bottom	7.0	1	23.9	8.2	32.8	7.3	104.4	12.3	9.7													
									2	23.9	8.2	32.8	7.3	104.4	12.3	9.2													
		TCE-C2	Sunny	Moderate	4:41	12.8	Surface	1.0	1	24.8	8.0	31.9	6.6	95.3	7.6	9.8	6.5	9.6	9.5										
									2	24.9	8.0	31.9	6.6	95.1	7.5	10.1													
							Middle	6.4	1	24.9	8.0	32.1	6.5	94.4	9.8	9.7													
									2	24.9	8.0	32.0	6.5	94.4	9.9	9.4													
							Bottom	11.8	1	24.9	8.0	32.0	6.5	94.4	11.6	8.7													
									2	24.9	8.0	32.0	6.5	94.4	11.2	9.0													
		TCE-WQM1	Sunny	Moderate	5:58	8.2	Surface	1.0	1	24.1	8.1	31.1	7.0	98.8	7.8	8.8	6.9	8.6	10.3										
									2	24.1	8.1	31.1	7.0	98.8	7.8	9.2													
							Middle	4.1	1	24.0	8.1	31.1	6.8	97.1	8.1	10.0													
									2	24.0	8.1	31.1	6.8	97.1	8.1	10.4													
							Bottom	7.2	1	23.9	8.0	31.1	6.8	96.0	9.8	12.0													
									2	23.9	8.0	31.1	6.8	96.1	9.7	11.5													
		TCE-WQM2a	Sunny	Moderate	5:18	7.0	Surface	1.0	1	24.4	8.1	31.4	6.9	98.5	7.4	11.1	6.9	9.6	9.7										
									2	24.4	8.1	31.4	6.9	98.5	7.4	11.1													
							Middle	3.5	1	24.4	8.1	31.5	6.8	97.8	8.7	9.3													
									2	24.4	8.1	31.5	6.8	97.7	8.8	9.1													
							Bottom	6.0	1	24.6	8.0	31.6	6.8	97.1	12.9	9.1													
									2	24.6	8.0	31.6	6.8	97.2	12.5	8.3													
		TCE-WQM2b	Sunny	Moderate	5:03	10.6	Surface	1.0	1	24.6	8.1	31.7	6.8	97.8	7.8	11.5	6.8	9.3	10.5										
									2	24.6	8.1	31.7	6.8	97.8	8.0	11.1													
							Middle	5.3	1	24.6	8.1	31.7	6.8	97.6	8.3	10.9													
									2	24.6	8.1	31.7	6.8	97.6	8.3	10.6													
							Bottom	9.6	1	24.6	8.1	31.7	6.8	97.5	11.6	9.4													
									2	24.6	8.1	31.7	6.8	97.5	11.6	9.2													
		TCE-WQM3A	Sunny	Moderate	5:31	4.0	Surface	1.0	1	24.4	8.1	31.1	7.0	99.3	7.5	12.1	7.0	9.7	10.7										
									2	24.4	8.1	31.1	7.0	99.2	7.4	11.7													
							Bottom	3.0	1	24.1	8.0	31.2	6.8	96.2	11.9	9.8													
									2	24.1	8.0	31.2	6.8	96.2	12.1	9.3													
							TCE-WQM4	Sunny	Moderate	5:44	3.6	Surface	1.0	1	24.4	8.1				31.3	6.9	99.2	6.8	11.7	6.9	7.6	13.2		
														2	24.4	8.1				31.3	6.9	99.2	6.7	12.3					
		Bottom	2.6	1	24.6	8.0						31.5	6.8	98.2	8.3	14.2													
				2	24.6	8.0						31.5	6.8	98.3	8.4	14.4													
		2021-11-10	Mid-Flood	TCE-C1	Sunny	Rough						15:16	8.0	Surface	1.0	1	24.1	8.1	31.1	7.0	99.6	6.9	11.0	7.0				7.8	10.1
																2	24.1	8.1	31.1	7.0	99.6	6.9	10.9						
							Middle	4.0	1	24.1	8.1			31.1	7.0	99.5	7.7	10.3											
									2	24.1	8.1			31.1	7.0	99.5	7.7	10.1											
							Bottom	7.0	1	24.0	8.1			31.1	6.9	98.3	8.8	9.2											
									2	24.0	8.1			31.1	6.9	98.3	8.7	8.9											
				TCE-C2	Sunny	Moderate	17:28	12.8	Surface	1.0	1	25.1	8.1	32.5	6.7	98.0	3.3	8.7	6.6	4.0	7.6								
											2	25.1	8.1	32.5	6.7	98.0	3.3	8.8											
									Middle	6.4	1	25.2	8.1	32.7	6.5	95.4	3.6	7.3											
											2	25.2	8.1	32.7	6.5	95.4	3.6	7.6											
Bottom	11.8								1	25.1	8.1	32.7	6.5	95.5	5.2	6.8													
									2	25.1	8.1	32.7	6.5	95.6	5.2	6.4													
TCE-WQM1	Sunny			Moderate	16:07	8.2	Surface	1.0	1	24.1	8.1	31.1	7.0	99.5	7.3	8.9	7.0	8.0	9.6										
									2	24.1	8.1	31.1	7.0	99.5	7.4	8.8													
							Middle	4.1	1	24.1	8.1	31.1	7.0	99.5	7.5	9.4													
									2	24.1	8.1	31.1	7.0	99.5	7.5	9.7													
							Bottom	7.2	1	24.0	8.1	31.1	7.0	98.7	9.1	10.5													
									2	24.0	8.1	31.1	7.0	98.7	9.0	10.1													
TCE-WQM2a	Sunny			Moderate	16:46	7.0	Surface	1.0	1	24.7	8.1	31.5	7.1	102.6	6.2	10.2	7.1	7.0	9.3										
									2	24.7	8.1	31.5	7.1	102.6	6.2	10.5													
							Middle	3.5	1	24.7	8.1	31.5	7.1	101.5	6.7	9.2													
									2	24.7	8.1	31.5	7.1	101.5	6.7	9.7													
							Bottom	6.0	1	24.5	8.1	31.5	6.9	98.7	8.2	8.0													
									2	24.5	8.1	31.5	6.9	98.7	8.2	8.4													
TCE-WQM2b	Sunny			Moderate	16:59	10.6	Surface	1.0	1	24.7	8.1	31.7	6.9	99.9	5.3	7.0	6.8	5.8	7.9										
									2	24.7	8.1	31.7	6.9	99.9	5.4	7.0													
							Middle	5.3	1	24.8	8.1	31.8	6.7	97.0	6.0	8.2													
									2	24.8	8.1	31.8	6.7	97.1	6.0	8.0													
							Bottom	9.6	1	24.8	8.0	31.9	6.6	96.0	6.2	8.4													
									2	24.8	8.0	31.9	6.6	96.0	6.2	8.6													
TCE-WQM3A	Sunny			Moderate	16:33	4.0	Surface	1.0	1	24.5	8.1	31.3	7.1	101.1	8.8	9.9	7.1	10.6	10.3										
									2	24.5	8.1	31.3	7.1	101.1	8.8	10.2													
							Bottom	3.0	1	24.5	8.1	31.4	6.9	98.7	12.2	10.6													
									2	24.5	8.1	31.4	6.9	98.8	12.4	10.4													
							TCE-WQM4	Sunny	Moderate	16:21	3.6	Surface	1.0	1	24.5	8.1				31.3	7.1	101.8	8.4	7.3	7.1	8.9	8.5		
														2	24.5	8.1				31.3	7.1	101.8	8.3	7.8					
Bottom	2.6			1	24.6	8.1						31.3	7.2	102.6	9.4	9.7													
				2	24.6	8.1						31.3	7.2	102.6	9.4	9.2													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged												
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)										
2021-11-12	Mid-Ebb	TCE-C1	Fine	Rough	8:23	7.2	Surface	1.0	1	23.6	8.2	31.7	6.8	96.0	2.8	6.0	6.8	3.9	6.7										
									2	23.6	8.2	31.7	6.8	96.0	2.8	6.1													
							Middle	3.6	1	23.6	8.2	31.8	6.8	95.6	4.0	6.5													
									2	23.6	8.2	31.8	6.8	95.6	4.1	6.3													
							Bottom	6.2	1	23.5	8.2	31.8	6.8	95.5	4.8	7.6													
									2	23.5	8.2	31.8	6.8	95.5	4.8	7.6													
		TCE-C2	Fine	Rough	6:45	14.6	Surface	1.0	1	24.2	8.0	31.7	6.3	90.3	1.1	4.2	6.3	2.0	4.6										
									2	24.2	8.0	31.7	6.3	90.3	1.1	4.3													
							Middle	7.3	1	24.2	8.0	31.7	6.3	90.0	1.3	4.6													
									2	24.2	8.0	31.7	6.3	89.9	1.4	4.4													
							Bottom	13.6	1	24.2	8.0	31.7	6.3	89.5	3.5	5.0													
									2	24.2	8.0	31.7	6.3	89.5	3.5	4.9													
		TCE-WQM1	Fine	Moderate	7:58	9.9	Surface	1.0	1	23.5	8.1	31.6	6.8	96.4	2.0	8.4	6.8	3.8	9.1										
									2	23.5	8.1	31.6	6.8	96.3	2.0	8.6													
							Middle	5.0	1	23.5	8.1	31.8	6.8	95.8	5.2	8.9													
									2	23.5	8.1	31.8	6.8	95.9	5.2	8.9													
							Bottom	8.9	1	23.5	8.2	31.8	6.8	96.4	4.1	10.0													
									2	23.5	8.2	31.8	6.8	96.4	4.1	9.8													
		TCE-WQM2a	Fine	Rough	7:25	7.8	Surface	1.0	1	23.9	8.0	31.3	6.6	93.1	2.6	3.8	6.5	2.6	5.8										
									2	23.9	8.0	31.3	6.6	93.1	2.6	4.0													
							Middle	3.9	1	23.9	8.0	31.3	6.5	92.6	2.6	6.0													
									2	23.9	8.0	31.3	6.5	92.5	2.6	6.5													
							Bottom	6.8	1	24.3	7.9	31.8	6.3	90.5	2.7	7.4													
									2	24.3	8.0	31.8	6.3	90.6	2.8	7.0													
		TCE-WQM2b	Fine	Rough	7:14	9.7	Surface	1.0	1	23.4	8.1	30.7	6.7	94.3	1.7	6.0	6.7	1.9	4.6										
									2	23.4	8.1	30.7	6.7	94.2	1.7	6.2													
							Middle	4.9	1	23.5	8.1	30.9	6.7	93.4	2.0	4.2													
									2	23.5	8.1	30.9	6.6	93.3	2.0	4.7													
							Bottom	8.7	1	23.6	8.1	31.0	6.6	93.1	2.0	3.2													
									2	23.6	8.1	31.0	6.6	93.1	1.9	3.2													
		TCE-WQM3A	Fine	Moderate	7:36	4.1	Surface	1.0	1	24.0	8.1	31.1	6.4	90.5	3.6	4.4	6.4	5.0	4.9										
									2	24.0	8.1	31.1	6.4	90.5	3.5	4.6													
							Bottom	3.1	1	24.1	8.1	31.3	6.3	90.1	6.4	5.4													
									2	24.1	8.1	31.3	6.3	90.1	6.4	5.3													
							TCE-WQM4	Fine	Moderate	7:46	4.0	Surface	1.0	1	23.7	8.1				31.1	6.5	92.1	4.7	3.9	6.5	6.2	5.7		
														2	23.6	8.1				31.1	6.5	92.2	4.7	4.2					
		Bottom	3.0	1	23.5	8.1						31.2	6.6	92.7	7.7	7.4													
				2	23.5	8.1						31.2	6.6	92.7	7.7	7.4													
		2021-11-12	Mid-Flood	TCE-C1	Sunny	Rough						13:41	7.9	Surface	1.0	1	23.7	8.1	32.0	6.8	96.1	4.1	6.9	6.8				5.0	7.4
																2	23.7	8.1	32.0	6.8	96.1	4.1	6.8						
							Middle	4.0	1	23.7	8.1			32.0	6.8	95.9	4.7	7.0											
									2	23.7	8.1			32.1	6.8	95.9	4.7	7.4											
							Bottom	6.9	1	23.8	8.2			32.2	6.8	96.6	6.4	8.2											
									2	23.8	8.2			32.2	6.8	96.7	6.4	8.2											
				TCE-C2	Sunny	Rough	15:26	15.9	Surface	1.0	1	24.1	8.1	31.3	6.7	95.3	2.2	3.5	6.7	2.6	4.9								
											2	24.1	8.1	31.3	6.7	95.3	2.2	3.6											
									Middle	8.0	1	24.2	8.0	31.5	6.6	94.2	2.4	5.0											
											2	24.2	8.0	31.5	6.6	94.2	2.4	5.1											
Bottom	14.9								1	24.2	8.0	31.6	6.6	94.4	3.1	5.8													
									2	24.2	8.0	31.6	6.6	94.5	3.2	6.1													
TCE-WQM1	Sunny			Moderate	14:15	10.1	Surface	1.0	1	24.2	8.1	31.3	6.8	97.3	5.2	8.5	6.9	6.4	7.6										
									2	24.1	8.1	31.3	6.8	97.4	5.3	8.8													
							Middle	5.1	1	23.8	8.1	31.5	6.9	98.4	6.6	8.1													
									2	23.8	8.1	31.5	6.9	98.4	6.7	8.1													
							Bottom	9.1	1	23.8	8.1	31.6	7.0	98.7	7.3	5.9													
									2	23.8	8.1	31.6	7.0	98.7	7.3	6.1													
TCE-WQM2a	Sunny			Rough	14:49	8.1	Surface	1.0	1	23.9	8.1	31.0	6.8	96.5	1.2	7.8	6.8	3.7	6.6										
									2	23.9	8.1	31.0	6.8	96.5	1.2	7.7													
							Middle	4.1	1	23.9	8.1	31.0	6.8	95.8	3.3	7.4													
									2	23.9	8.1	31.0	6.8	95.7	3.3	7.6													
							Bottom	7.1	1	23.9	8.1	31.3	6.6	94.2	6.7	4.7													
									2	23.9	8.1	31.4	6.6	94.3	6.7	4.6													
TCE-WQM2b	Sunny			Rough	15:03	10.8	Surface	1.0	1	23.9	8.2	31.0	6.8	95.9	1.2	3.5	6.6	4.0	3.9										
									2	23.9	8.2	31.0	6.8	95.7	1.3	3.2													
							Middle	5.4	1	23.9	8.1	31.1	6.7	94.4	2.0	4.0													
									2	23.9	8.1	31.1	6.7	94.3	2.0	3.9													
							Bottom	9.8	1	24.0	8.1	31.3	6.6	93.2	8.7	4.4													
									2	24.0	8.1	31.3	6.6	93.2	8.6	4.2													
TCE-WQM3A	Sunny			Moderate	14:39	4.8	Surface	1.0	1	24.3	8.2	31.1	6.6	93.5	6.1	8.4	6.5	6.3	7.7										
									2	24.3	8.2	31.1	6.5	93.4	6.1	8.4													
							Bottom	3.8	1	24.2	8.1	31.3	6.4	91.6	6.4	7.0													
									2	24.2	8.1	31.3	6.4	91.5	6.5	6.8													
							TCE-WQM4	Sunny	Moderate	14:28	4.1	Surface	1.0	1	24.3	8.1				31.4	6.6	94.8	4.5	8.0	6.6	5.4	7.8		
														2	24.3	8.1				31.4	6.6	94.8	4.5	8.2					
Bottom	3.1			1	24.2	8.2						31.4	6.7	95.4	6.3	7.4													
				2	24.2	8.2						31.4	6.7	95.5	6.4	7.4													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged												
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)										
2021-11-15	Mid-Ebb	TCE-C1	Fine	Rough	10:48	8.3	Surface	1.0	1	23.9	8.2	33.6	7.7	111.1	6.1	6.7	7.7	12.3	7.9										
									2	23.9	8.2	33.6	7.7	111.0	6.2	6.5													
							Middle	4.2	1	23.9	8.2	33.6	7.7	110.2	8.3	7.2													
									2	23.9	8.2	33.6	7.7	110.2	8.4	7.6													
							Bottom	7.3	1	23.9	8.2	33.6	7.6	109.5	22.5	9.4													
									2	23.9	8.2	33.6	7.6	109.5	22.5	9.7													
		TCE-C2	Fine	Rough	8:46	15.6	Surface	1.0	1	24.4	8.0	33.1	6.8	98.0	3.5	5.9	6.7	3.6	4.7										
									2	24.4	8.0	33.1	6.8	98.0	3.5	6.3													
							Middle	7.8	1	24.5	8.0	33.2	6.7	96.9	3.5	5.0													
									2	24.5	8.0	33.2	6.7	96.9	3.5	5.2													
							Bottom	14.6	1	24.6	8.0	33.2	6.6	96.2	3.9	3.0													
									2	24.6	8.0	33.2	6.6	96.3	3.9	2.7													
		TCE-WQM1	Fine	Moderate	9:55	9.8	Surface	1.0	1	23.6	8.1	32.6	7.8	111.2	5.3	6.2	7.8	5.4	5.3										
									2	23.6	8.1	32.6	7.8	111.2	5.2	6.2													
							Middle	4.9	1	23.6	8.1	32.6	7.8	111.0	5.3	5.2													
									2	23.6	8.1	32.6	7.8	111.0	5.4	4.9													
							Bottom	8.8	1	23.6	8.1	32.6	7.8	111.0	5.3	4.7													
									2	23.6	8.1	32.6	7.8	111.0	5.9	4.3													
		TCE-WQM2a	Fine	Moderate	9:23	7.9	Surface	1.0	1	23.8	8.1	32.4	7.2	102.4	4.0	3.0	7.1	4.7	4.1										
									2	23.8	8.1	32.4	7.2	102.4	4.0	3.3													
							Middle	4.0	1	23.9	8.1	32.5	7.1	100.7	4.4	4.1													
									2	23.9	8.1	32.5	7.0	100.6	4.4	4.4													
							Bottom	6.9	1	23.9	8.0	32.6	6.9	98.9	5.9	5.2													
									2	23.9	8.0	32.6	6.9	98.9	5.7	4.8													
		TCE-WQM2b	Fine	Rough	9:12	11.4	Surface	1.0	1	24.1	8.0	32.7	6.9	98.8	3.8	2.4	6.9	3.8	3.0										
									2	24.1	8.0	32.7	6.9	98.8	3.8	2.2													
							Middle	5.7	1	24.1	8.0	32.8	6.8	98.0	3.9	3.3													
									2	24.1	8.0	32.8	6.8	98.0	3.9	3.0													
							Bottom	10.4	1	24.1	8.0	32.8	6.8	98.1	3.8	3.4													
									2	24.1	8.0	32.8	6.8	98.1	3.8	3.4													
		TCE-WQM3A	Fine	Moderate	9:34	4.3	Surface	1.0	1	23.7	8.0	31.7	7.0	98.6	6.0	7.2	7.0	7.0	6.6										
									2	23.7	8.0	31.7	7.0	98.6	6.0	7.0													
							Bottom	3.3	1	23.8	8.0	32.0	7.0	99.4	7.9	6.2													
									2	23.8	8.0	32.0	7.0	99.5	8.2	6.0													
							TCE-WQM4	Fine	Moderate	9:46	4.1	Surface	1.0	1	23.6	8.1				32.6	7.8	111.4	4.9	5.2	7.8	4.8	5.6		
														2	23.6	8.1				32.6	7.8	111.4	4.9	5.2					
		Bottom	3.1	1	23.6	8.1						32.6	7.8	111.1	4.8	5.9													
				2	23.6	8.1						32.6	7.8	111.1	4.8	6.1													
		2021-11-15	Mid-Flood	TCE-C1	Fine	Rough						15:30	7.9	Surface	1.0	1	23.9	8.2	33.6	7.7	111.2	6.1	6.3	7.7				7.4	5.5
																2	23.9	8.2	33.6	7.7	111.2	6.1	6.3						
							Middle	4.0	1	23.9	8.2			33.6	7.7	110.0	8.9	5.7											
									2	23.9	8.2			33.6	7.7	110.0	8.9	5.3											
							Bottom	6.9	1	23.9	8.2			33.6	7.7	110.1	7.1	4.5											
									2	23.9	8.2			33.6	7.7	110.2	7.1	4.7											
				TCE-C2	Fine	Rough	17:24	14.2	Surface	1.0	1	23.8	8.1	32.5	8.1	116.0	4.9	7.2	8.1	5.9	5.7								
											2	23.8	8.1	32.5	8.1	116.0	4.8	7.1											
									Middle	7.1	1	23.7	8.1	32.5	8.1	115.6	4.3	5.7											
											2	23.7	8.1	32.5	8.1	115.5	4.3	5.9											
Bottom	13.2								1	23.7	8.1	32.6	7.8	110.5	8.6	3.9													
									2	23.7	8.1	32.6	7.8	110.5	8.6	4.2													
TCE-WQM1	Fine			Moderate	16:15	8.8	Surface	1.0	1	23.7	8.2	33.0	8.5	121.4	3.9	4.8	8.4	6.4	5.7										
									2	23.7	8.2	33.0	8.5	121.3	3.9	5.0													
							Middle	4.4	1	23.7	8.2	33.2	8.2	117.2	6.2	5.9													
									2	23.7	8.2	33.3	8.2	117.2	6.2	5.6													
							Bottom	7.8	1	23.7	8.2	33.4	7.8	112.3	9.2	6.4													
									2	23.7	8.2	33.4	7.8	112.3	9.3	6.7													
TCE-WQM2a	Fine			Rough	16:46	7.3	Surface	1.0	1	24.0	8.1	32.2	7.6	108.9	5.0	4.0	7.1	6.2	4.7										
									2	24.0	8.1	32.2	7.6	108.9	5.0	4.1													
							Middle	3.7	1	23.9	8.1	32.3	6.7	95.0	5.7	4.7													
									2	23.9	8.1	32.3	6.7	95.0	5.7	4.4													
							Bottom	6.3	1	24.0	8.1	32.6	5.7	82.0	8.0	5.6													
									2	24.0	8.1	32.6	5.7	81.7	8.0	5.6													
TCE-WQM2b	Fine			Rough	16:58	11.3	Surface	1.0	1	23.7	8.1	32.4	7.4	104.4	4.7	7.2	7.3	4.9	5.6										
									2	23.7	8.1	32.3	7.4	104.4	4.6	7.0													
							Middle	5.7	1	23.6	8.1	32.4	7.3	103.6	4.7	5.0													
									2	23.6	8.1	32.4	7.3	103.6	4.7	5.2													
							Bottom	10.3	1	23.6	8.1	32.4	7.3	103.3	5.4	4.4													
									2	23.6	8.1	32.4	7.3	103.3	5.4	4.8													
TCE-WQM3A	Fine			Moderate	16:37	4.4	Surface	1.0	1	23.9	8.1	32.1	8.0	113.6	4.6	4.3	8.0	6.2	6.1										
									2	23.9	8.1	32.1	8.0	113.6	4.7	4.6													
							Bottom	3.4	1	23.6	8.1	32.1	7.9	112.6	7.7	7.7													
									2	23.6	8.1	32.1	7.9	112.6	7.7	7.6													
							TCE-WQM4	Fine	Moderate	16:27	4.3	Surface	1.0	1	23.9	8.1				32.3	6.7	94.8	5.7	4.4	6.7	7.0	4.6		
														2	23.9	8.1				32.3	6.7	94.8	5.7	4.6					
Bottom	3.3			1	23.8	8.0						32.0	7.0	99.5	8.2	4.6													
				2	23.8	8.0						32.0	7.0	99.5	8.2	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)
2021-11-17	Mid-Ebb	TCE-C1	Misty	Calm	12:05	8.0	Surface	1.0	1	23.4	8.3	32.9	7.5	106.9	1.1	7.3	7.5	2.2	7.2
									2	23.4	8.3	32.9	7.5	106.6	1.2	6.8			
							Middle	4.0	1	23.4	8.3	32.9	7.5	106.0	2.2	7.4			
									2	23.4	8.3	32.9	7.5	105.8	2.1	7.1			
							Bottom	7.0	1	23.4	8.3	32.9	7.4	105.2	3.3	7.4			
									2	23.4	8.3	32.9	7.4	105.0	3.3	7.0			
		TCE-C2	Misty	Calm	10:02	12.8	Surface	1.0	1	23.7	8.1	32.3	6.4	90.3	4.2	6.0	6.4	5.2	7.3
									2	23.7	8.1	32.3	6.4	90.3	4.2	7.2			
							Middle	6.4	1	23.7	8.1	32.3	6.4	90.7	5.3	6.9			
									2	23.7	8.1	32.3	6.4	90.9	5.3	7.1			
							Bottom	11.8	1	23.7	8.1	32.2	6.5	91.9	6.1	8.7			
									2	23.7	8.1	32.2	6.5	92.1	6.0	7.9			
		TCE-WQM1	Misty	Calm	11:21	8.2	Surface	1.0	1	23.3	8.3	32.3	7.6	106.6	2.0	6.4	7.5	2.4	7.2
									2	23.3	8.3	32.3	7.5	106.5	1.9	6.4			
							Middle	4.1	1	23.3	8.3	32.3	7.5	105.8	2.1	6.9			
									2	23.3	8.3	32.3	7.5	105.5	2.1	7.8			
							Bottom	7.2	1	23.3	8.3	32.3	7.4	104.9	3.3	8.0			
									2	23.3	8.3	32.3	7.4	104.5	3.3	7.4			
	TCE-WQM2a	Misty	Calm	10:44	7.0	Surface	1.0	1	23.2	8.2	31.8	7.0	97.9	3.1	9.8	7.0	4.1	9.6	
								2	23.2	8.2	31.8	7.0	97.9	3.1	10.4				
						Middle	3.5	1	23.2	8.2	31.8	7.0	98.4	4.0	9.8				
								2	23.2	8.2	31.8	7.0	98.6	4.0	9.0				
						Bottom	6.0	1	23.2	8.2	31.8	7.0	99.0	5.1	9.5				
								2	23.2	8.2	31.8	7.1	99.4	5.2	9.2				
	TCE-WQM2b	Misty	Calm	10:30	10.4	Surface	1.0	1	23.4	8.1	31.9	6.7	94.9	3.8	8.0	6.8	4.5	9.1	
								2	23.4	8.1	31.9	6.8	95.1	3.7	8.6				
						Middle	5.2	1	23.4	8.1	31.8	6.8	95.8	4.6	8.8				
								2	23.4	8.1	31.8	6.8	96.0	4.6	8.8				
						Bottom	9.4	1	23.4	8.0	31.7	6.9	96.7	5.1	9.9				
								2	23.4	8.0	31.7	6.9	97.3	5.1	10.3				
	TCE-WQM3A	Misty	Calm	10:56	4.0	Surface	1.0	1	23.3	8.2	31.8	7.2	100.7	3.8	6.3	7.2	4.0	7.1	
								2	23.3	8.2	31.8	7.2	100.7	3.8	7.0				
						Bottom	3.0	1	23.3	8.2	31.8	7.2	100.8	4.2	7.7				
	TCE-WQM4	Misty	Calm	11:08	3.6	Surface	1.0	1	23.3	8.2	31.8	7.3	102.2	4.1	7.4	7.3	4.7	7.1	
								2	23.3	8.2	31.8	7.3	103.2	4.2	7.1				
						Bottom	2.6	1	23.3	8.2	31.7	7.3	103.1	4.2	7.2				
		2	23.3	8.2	31.7	7.3	102.5	5.2	7.2										
2021-11-17	Mid-Flood	TCE-C1	Misty	Calm	16:05	8.0	Surface	1.0	1	23.5	8.3	32.9	7.7	109.4	1.1	6.6	7.7	2.4	6.4
									2	23.4	8.3	32.9	7.7	109.4	1.1	7.1			
							Middle	4.0	1	23.5	8.3	32.9	7.7	109.9	2.1	6.5			
									2	23.5	8.3	32.8	7.7	110.0	2.1	7.1			
							Bottom	7.0	1	23.5	8.3	32.8	7.7	109.9	4.0	5.8			
									2	23.5	8.3	32.8	7.7	109.8	4.0	5.2			
		TCE-C2	Misty	Calm	18:07	12.6	Surface	1.0	1	23.2	8.2	31.8	7.1	99.9	1.5	6.4	7.1	2.4	5.9
									2	23.2	8.2	31.8	7.1	99.9	1.5	5.7			
							Middle	6.3	1	23.2	8.2	31.8	7.1	99.9	2.7	5.8			
									2	23.2	8.2	31.8	7.1	99.9	2.6	6.1			
							Bottom	11.6	1	23.2	8.2	31.7	7.1	99.9	3.1	5.3			
									2	23.2	8.2	31.7	7.1	99.9	3.1	6.1			
		TCE-WQM1	Misty	Calm	17:10	8.6	Surface	1.0	1	23.5	8.3	31.9	7.3	103.3	1.3	6.8	7.3	2.4	6.8
									2	23.5	8.3	31.9	7.3	103.0	1.3	7.3			
							Middle	4.3	1	23.4	8.3	31.9	7.3	102.5	2.5	7.6			
									2	23.4	8.3	31.9	7.3	102.4	2.5	6.1			
							Bottom	7.6	1	23.4	8.3	31.9	7.2	102.1	3.3	6.4			
									2	23.4	8.3	31.9	7.2	102.1	3.3	6.4			
	TCE-WQM2a	Misty	Calm	17:31	8.2	Surface	1.0	1	23.3	8.2	31.8	7.4	103.4	2.8	5.6	7.2	3.8	6.5	
								2	23.3	8.2	31.8	7.4	103.4	2.8	6.4				
						Middle	4.1	1	23.3	8.2	31.8	7.1	99.6	3.8	6.6				
								2	23.3	8.2	31.8	7.1	99.6	3.8	6.9				
						Bottom	7.2	1	23.3	8.2	31.8	7.1	100.3	4.8	6.9				
								2	23.3	8.2	31.8	7.2	100.9	4.8	6.5				
	TCE-WQM2b	Misty	Calm	17:42	10.2	Surface	1.0	1	23.2	8.2	31.8	7.1	99.8	2.3	5.6	7.1	3.2	6.1	
								2	23.2	8.2	31.8	7.1	99.8	2.2	5.7				
						Middle	5.1	1	23.2	8.2	31.8	7.1	99.8	3.2	6.4				
								2	23.2	8.2	31.8	7.1	99.8	3.1	5.9				
						Bottom	9.2	1	23.2	8.2	31.7	7.1	99.9	4.2	6.8				
								2	23.2	8.2	31.7	7.1	99.9	4.2	6.2				
	TCE-WQM3A	Misty	Calm	17:20	4.0	Surface	1.0	1	23.3	8.2	31.7	7.3	103.2	5.6	5.0	7.3	5.8	5.8	
								2	23.3	8.2	31.7	7.3	103.2	5.5	5.8				
						Bottom	3.0	1	23.1	8.2	31.9	7.3	102.5	6.1	6.6				
			2	23.1	8.2	31.9	7.3	102.0	6.2	5.7									
	TCE-WQM4	Misty	Calm	17:11	4.0	Surface	1.0	1	23.5	8.3	31.8	7.5	106.2	3.5	5.4	7.5	3.9	5.8	
								2	23.5	8.3	31.8	7.5	106.1	3.5	6.0				
Bottom						3.0	1	23.5	8.3	31.8	7.5	105.7	4.4	5.5					
		2	23.5	8.3	31.8	7.5	105.6	4.3	6.2										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
2021-11-19	Mid-Ebb	TCE-C1	Misty	Calm	11:10	8.0	Surface	1.0	1	23.6	8.2	33.3	7.9	113.5	7.6	4.9	8.0	8.3	5.5			
									2	23.6	8.2	33.3	8.0	113.6	7.5	5.0						
							Middle	4.0	1	23.6	8.2	33.5	8.0	114.2	8.3	5.4						
									2	23.6	8.2	33.5	8.0	114.3	8.4	5.3						
							Bottom	7.0	1	23.6	8.2	33.5	8.0	114.4	9.2	6.1						
									2	23.6	8.2	33.5	8.0	114.4	9.1	6.1						
		TCE-C2	Misty	Calm	12:55	12.6	Surface	1.0	1	24.2	8.1	33.0	7.7	110.9	2.2	6.6	7.4	3.3	5.8			
									2	24.2	8.1	33.0	7.7	110.6	2.2	6.5						
							Middle	6.3	1	24.1	8.1	33.1	7.1	101.7	3.1	5.6						
									2	24.1	8.1	33.1	7.1	101.7	3.1	5.6						
							Bottom	11.6	1	24.5	8.1	32.8	7.2	104.2	4.5	5.0						
									2	24.6	8.1	32.7	7.2	104.8	4.5	5.1						
		TCE-WQM1	Misty	Calm	11:46	8.6	Surface	1.0	1	23.8	8.3	33.3	8.4	119.8	5.1	4.6	8.4	6.2	5.4			
									2	23.8	8.3	33.3	8.4	119.8	5.1	4.4						
							Middle	4.3	1	23.8	8.3	33.3	8.3	119.5	6.1	5.2						
									2	23.8	8.3	33.3	8.3	119.5	6.0	5.6						
							Bottom	7.6	1	23.8	8.3	33.3	8.3	119.0	7.3	6.2						
									2	23.8	8.3	33.3	8.3	119.0	7.3	6.4						
		TCE-WQM2a	Misty	Calm	12:20	8.2	Surface	1.0	1	24.0	8.2	32.8	8.2	117.9	4.6	5.5	8.0	5.5	5.8			
									2	24.0	8.2	32.8	8.2	117.9	4.6	5.5						
							Middle	4.1	1	23.9	8.2	32.8	7.7	110.4	5.6	5.7						
									2	23.9	8.2	32.9	7.7	110.1	5.6	5.8						
							Bottom	7.2	1	23.8	8.1	32.9	7.7	110.3	6.2	6.2						
									2	23.8	8.1	32.9	7.7	110.6	6.1	6.1						
		TCE-WQM2b	Misty	Calm	12:32	10.2	Surface	1.0	1	24.0	8.2	32.9	8.2	117.1	4.4	6.8	7.9	4.3	6.2			
									2	24.0	8.2	32.9	8.1	116.5	4.4	6.4						
							Middle	5.1	1	24.0	8.2	32.9	7.6	109.5	3.6	6.4						
									2	24.0	8.2	32.9	7.6	109.5	3.6	6.2						
							Bottom	9.2	1	24.0	8.1	33.0	7.3	103.2	5.0	5.7						
									2	24.0	8.1	33.0	7.4	105.6	4.9	5.9						
		TCE-WQM3A	Misty	Calm	12:09	4.0	Surface	1.0	1	23.9	8.2	32.7	7.7	110.7	7.7	4.7	7.7	7.9	3.8			
									2	23.9	8.2	32.7	7.7	110.6	7.6	4.7						
							Bottom	3.0	1	23.9	8.2	32.7	7.7	110.5	8.1	2.9						
									2	23.9	8.2	32.7	7.7	110.5	8.1	3.0						
							Surface	1.0	1	23.9	8.2	32.8	8.3	118.8	5.6	4.0				8.3	6.0	4.5
									2	23.9	8.2	32.8	8.3	118.7	5.6	3.7						
		Bottom	3.0	1	23.9	8.2	32.8	8.1	115.5	6.4	5.3											
				2	23.9	8.2	32.8	8.1	115.3	6.3	5.1											
		Surface	1.0	1	23.9	8.2	32.8	8.3	118.8	5.6	4.0	8.1	7.9	3.8								
				2	23.9	8.2	32.7	7.7	110.6	7.6	4.7											
		Bottom	3.0	1	23.9	8.2	32.7	7.7	110.5	8.1	2.9											
				2	23.9	8.2	32.7	7.7	110.5	8.1	3.0											
		Surface	1.0	1	23.9	8.2	32.8	8.3	118.8	5.6	4.0				8.3	6.0	4.5					
				2	23.9	8.2	32.8	8.3	118.7	5.6	3.7											
		Bottom	3.0	1	23.9	8.2	32.8	8.1	115.5	6.4	5.3											
				2	23.9	8.2	32.8	8.1	115.3	6.3	5.1											
		Surface	1.0	1	23.6	8.2	33.3	7.8	112.0	7.3	5.5	7.8	8.2	4.5								
				2	23.6	8.2	33.3	7.8	111.9	7.2	5.6											
Middle	4.0	1	23.6	8.2	33.4	7.8	111.8	8.3	4.8													
		2	23.6	8.2	33.4	7.8	111.8	8.3	4.7													
Bottom	7.0	1	23.6	8.2	33.4	7.8	111.8	9.0	3.4													
		2	23.6	8.2	33.4	7.8	111.8	9.0	3.4													
TCE-C2	Misty	Calm	7:06	12.8	Surface	1.0	1	24.2	8.0	33.2	6.8	98.4	3.0	3.2	6.9	4.3	2.7					
							2	24.2	8.0	33.2	6.8	98.5	3.1	3.0								
					Middle	6.4	1	24.2	8.0	33.3	6.9	99.1	4.2	2.6								
							2	24.2	8.0	33.3	6.9	99.2	4.1	2.7								
					Bottom	11.8	1	24.2	8.0	33.3	6.9	99.6	5.6	2.4								
							2	24.2	8.0	33.3	6.9	99.8	5.6	2.5								
TCE-WQM1	Misty	Calm	8:08	8.2	Surface	1.0	1	23.8	8.2	33.1	8.0	114.3	3.1	6.0	8.0	4.3	6.2					
							2	23.8	8.2	33.1	8.0	114.2	3.2	5.7								
					Middle	4.1	1	23.7	8.2	33.1	8.0	113.7	4.1	6.0								
							2	23.7	8.2	33.1	7.9	113.5	4.1	6.2								
					Bottom	7.2	1	23.7	8.2	33.1	7.9	112.8	5.6	6.6								
							2	23.8	8.2	33.1	7.9	112.5	5.6	6.6								
TCE-WQM2a	Misty	Calm	7:39	7.0	Surface	1.0	1	23.7	8.2	32.8	7.8	111.2	5.5	2.8	7.8	5.3	3.4					
							2	23.7	8.2	32.8	7.8	111.2	5.5	3.0								
					Middle	3.5	1	23.7	8.2	32.8	7.8	110.6	4.7	3.4								
							2	23.7	8.2	32.8	7.8	110.6	4.7	3.6								
					Bottom	6.0	1	23.7	8.2	32.8	7.7	110.4	5.6	3.7								
							2	23.7	8.2	32.8	7.7	110.3	5.6	4.0								
TCE-WQM2b	Misty	Calm	7:28	10.4	Surface	1.0	1	23.8	8.1	32.8	7.7	110.1	4.1	3.7	7.7	5.4	3.3					
							2	23.7	8.1	32.8	7.7	110.1	4.1	3.5								
					Middle	5.2	1	23.7	8.1	32.8	7.7	109.9	5.3	3.4								
							2	23.7	8.1	32.8	7.7	109.8	5.3	3.1								
					Bottom	9.4	1	23.7	8.1	32.8	7.7	109.5	6.8	2.9								
							2	23.7	8.1	32.8	7.7	109.4	6.7	3.0								
TCE-WQM3A	Misty	Calm	7:48	4.0	Surface	1.0	1	23.8	8.1	32.8	7.5	107.5	4.1	7.2	7.5	4.6	8.0					
							2	23.8	8.1	32.8	7.5	107.5	4.1	7.3								
					Bottom	3.0	1	23.8	8.1	32.8	7.6	107.8	5.0	8.7								
							2	23.8	8.1	32.7	7.6	108.8	5.0	8.6								
					Surface	1.0	1	23.8	8.1	32.8	7.6	108.5	4.4	6.2				7.6	5.1	5.4		
							2	23.8	8.1	32.8	7.6	108.5	4.4	6.3								
Bottom	2.6	1	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
		2	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
Surface	1.0	1	23.8	8.1	32.8	7.6	108.5	4.4	6.2	7.6	5.1	5.4										
		2	23.8	8.1	32.8	7.6	108.5	4.4	6.3													
Bottom	2.6	1	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
		2	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
Surface	1.0	1	23.8	8.1	32.8	7.6	108.5	4.4	6.2				7.6	5.1	5.4							
		2	23.8	8.1	32.8	7.6	108.5	4.4	6.3													
Bottom	2.6	1	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
		2	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
Surface	1.0	1	23.8	8.1	32.8	7.6	108.5	4.4	6.2	7.6	5.1	5.4										
		2	23.8	8.1	32.8	7.6	108.5	4.4	6.3													
Bottom	2.6	1	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
		2	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
Surface	1.0	1	23.8	8.1	32.8	7.6	108.5	4.4	6.2				7.6	5.1	5.4							
		2	23.8	8.1	32.8	7.6	108.5	4.4	6.3													
Bottom	2.6	1	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
		2	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
Surface	1.0	1	23.8	8.1	32.8	7.6	108.5	4.4	6.2	7.6	5.1	5.4										
		2	23.8	8.1	32.8	7.6	108.5	4.4	6.3													
Bottom	2.6	1	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
		2	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
Surface	1.0	1	23.8	8.1	32.8	7.6	108.5	4.4	6.2				7.6	5.1	5.4							
		2	23.8	8.1	32.8	7.6	108.5	4.4	6.3													
Bottom	2.6	1	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
		2	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
Surface	1.0	1	23.8	8.1	32.8	7.6	108.5	4.4	6.2	7.6	5.1	5.4										
		2	23.8	8.1	32.8	7.6	108.5	4.4	6.3													
Bottom	2.6	1	23.8	8.1	32.7	7.6	108.5	5.8	4.8													
		2	23.8	8.1																		

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)										
2021-11-22	Mid-Ebb	TCE-C1	Cloudy	Rough	12:48	7.3	Surface	1.0	1	23.4	8.3	32.4	7.6	108.2	5.5	11.9	7.6	6.5	9.8										
									2	23.5	8.3	32.4	7.6	108.1	5.6	10.1													
							Middle	3.7	1	23.5	8.3	32.4	7.5	106.8	6.0	10.1													
									2	23.5	8.3	32.4	7.5	106.7	6.1	9.1													
							Bottom	6.3	1	23.5	8.3	32.4	7.4	105.2	7.8	8.6													
									2	23.5	8.3	32.4	7.4	105.1	7.8	9.2													
		TCE-C2	Cloudy	Rough	15:06	14.9	Surface	1.0	1	23.8	8.2	32.5	7.9	112.5	4.4	2.0	7.4	4.4	2.1										
									2	23.8	8.2	32.5	7.9	112.2	4.4	2.4													
							Middle	7.5	1	24.1	8.1	33.0	6.8	98.1	4.2	1.9													
									2	24.1	8.1	33.0	6.8	97.9	4.3	2.3													
							Bottom	13.9	1	24.1	8.1	33.0	6.8	97.1	4.6	1.8													
									2	24.1	8.1	33.0	6.8	97.2	4.6	2.0													
		TCE-WQM1	Cloudy	Moderate	13:33	9.6	Surface	1.0	1	23.7	8.3	32.5	7.8	110.3	3.5	6.0	7.7	4.9	5.8										
									2	23.7	8.3	32.5	7.8	110.2	3.5	6.4													
							Middle	4.8	1	23.7	8.3	32.5	7.7	109.9	4.6	5.7													
									2	23.7	8.3	32.5	7.7	109.9	4.6	5.8													
							Bottom	8.6	1	23.7	8.3	32.5	7.7	109.6	6.7	5.9													
									2	23.7	8.3	32.5	7.7	109.6	6.7	5.0													
		TCE-WQM2a	Cloudy	Rough	14:15	7.8	Surface	1.0	1	23.6	8.2	32.1	8.0	113.3	5.7	4.9	8.0	5.8	5.4										
									2	23.6	8.2	32.1	8.0	113.3	5.7	5.1													
							Middle	3.9	1	23.7	8.2	32.1	7.9	112.7	5.8	5.0													
									2	23.7	8.2	32.1	7.9	112.7	5.9	5.4													
							Bottom	6.8	1	23.7	8.2	32.2	7.8	111.0	5.9	5.7													
									2	23.7	8.2	32.2	7.8	111.0	6.0	6.5													
		TCE-WQM2b	Cloudy	Rough	14:30	12.2	Surface	1.0	1	23.7	8.2	32.0	8.0	113.4	4.9	3.7	7.8	5.2	3.4										
									2	23.7	8.2	32.0	8.0	113.4	5.0	3.2													
							Middle	6.1	1	23.9	8.2	32.4	7.5	107.6	5.0	3.0													
									2	23.9	8.2	32.4	7.5	107.5	5.0	3.6													
							Bottom	11.2	1	24.1	8.1	32.9	7.0	100.4	5.7	3.2													
									2	24.1	8.1	32.9	7.0	100.5	5.7	3.4													
		TCE-WQM3A	Cloudy	Moderate	14:02	4.2	Surface	1.0	1	23.5	8.2	32.4	7.7	109.9	8.1	5.8	7.7	8.1	6.9										
									2	23.5	8.2	32.4	7.7	109.9	8.1	6.5													
							Bottom	3.2	1	23.5	8.2	32.4	7.7	109.5	8.2	7.2													
									2	23.5	8.2	32.4	7.7	109.4	8.2	8.2													
							TCE-WQM4	Cloudy	Moderate	13:49	3.9	Surface	1.0	1	23.6	8.2				32.5	8.0	113.1	4.1	5.1	8.0	4.9	8.9		
														2	23.6	8.2				32.5	8.0	113.1	4.1	6.0					
		Bottom	2.9	1	23.5	8.2						32.5	8.0	112.8	5.7	5.6													
				2	23.5	8.2						32.5	8.0	112.8	5.8	18.9													
		2021-11-22	Mid-Flood	TCE-C1	Cloudy	Rough						10:48	7.7	Surface	1.0	1	23.4	8.3	32.4	7.7	109.1	4.2	5.4	7.7				7.3	5.8
																2	23.4	8.3	32.4	7.7	109.1	4.2	6.0						
							Middle	3.9	1	23.4	8.3			32.4	7.7	109.3	8.6	5.4											
									2	23.4	8.3			32.4	7.7	109.4	8.5	6.1											
							Bottom	6.7	1	23.4	8.3			32.4	7.8	109.8	9.0	5.6											
									2	23.4	8.3			32.5	7.8	109.8	9.1	6.5											
		TCE-C2	Cloudy	Rough	9:16	14.4	Surface	1.0	1	24.0	8.1	32.3	7.7	110.3	5.8	4.8	7.7	5.7	4.9										
									2	24.0	8.1	32.3	7.7	110.3	5.8	5.5													
							Middle	7.2	1	24.0	8.1	32.4	7.7	109.9	6.5	5.2													
									2	24.0	8.1	32.4	7.7	109.9	6.5	4.9													
Bottom	13.4						1	24.0	8.1	32.4	7.7	109.5	4.6	4.2															
							2	24.0	8.1	32.4	7.7	109.4	4.7	4.9															
TCE-WQM1	Cloudy	Moderate	10:19	10.3	Surface	1.0	1	23.7	8.2	32.5	7.8	111.1	5.2	5.0	7.8	6.0	5.5												
							2	23.7	8.2	32.5	7.8	111.1	5.2	5.3															
					Middle	5.2	1	23.7	8.2	32.5	7.8	111.0	6.3	5.8															
							2	23.7	8.2	32.5	7.8	111.0	6.3	5.4															
					Bottom	9.3	1	23.7	8.2	32.5	7.8	111.0	6.4	5.9															
							2	23.7	8.2	32.5	7.8	111.0	6.4	5.6															
TCE-WQM2a	Cloudy	Moderate	9:48	7.9	Surface	1.0	1	23.8	8.2	31.8	7.9	111.9	4.4	5.1	7.9	5.6	6.1												
							2	23.8	8.2	31.8	7.9	111.9	4.4	5.6															
					Middle	4.0	1	23.8	8.2	31.8	7.9	111.7	5.5	5.4															
							2	23.8	8.2	31.8	7.9	111.7	5.6	6.3															
					Bottom	6.9	1	23.8	8.2	32.0	7.8	111.3	7.0	7.2															
							2	23.8	8.2	32.0	7.8	111.2	7.0	6.9															
TCE-WQM2b	Cloudy	Rough	9:37	11.4	Surface	1.0	1	23.9	8.2	32.2	7.8	111.6	7.4	7.2	7.8	7.7	7.4												
							2	23.9	8.2	32.2	7.8	111.6	7.3	8.0															
					Middle	5.7	1	23.9	8.2	32.2	7.8	111.6	7.9	10.2															
							2	23.9	8.2	32.2	7.8	111.6	7.9	4.3															
					Bottom	10.4	1	23.9	8.2	32.2	7.8	111.4	8.0	7.6															
							2	23.9	8.2	32.2	7.8	111.4	8.0	7.1															
TCE-WQM3A	Cloudy	Moderate	9:56	4.8	Surface	1.0	1	23.8	8.2	32.5	7.8	110.7	7.1	6.6	7.8	8.3	6.3												
							2	23.8	8.2	32.5	7.8	110.7	7.1	6.6															
					Bottom	3.8	1	23.8	8.2	32.4	7.8	111.3	9.8	6.5															
							2	23.8	8.2	32.4	7.8	111.4	9.1	5.6															
					TCE-WQM4	Cloudy	Moderate	10:08	4.7	Surface	1.0	1	23.8	8.2				32.4	7.8	110.8	6.0	6.5	7.8	6.3	5.6				
												2	23.8	8.2				32.4	7.8	110.8	6.0	6.5							
Bottom	3.7	1	23.8	8.2						32.4	7.8	110.7	6.7	4.7															
		2	23.8	8.2						32.4	7.8	110.7	6.7	4.8															

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)										
2021-11-24	Mid-Ebb	TCE-C1	Cloudy	Moderate	5:35	8.1	Surface	1.0	1	22.3	8.0	32.1	6.8	94.1	7.3	11.4	6.8	9.4	11.6										
									2	22.3	8.0	32.1	6.8	94.0	7.4	12.2													
							Middle	4.1	1	22.5	8.0	32.7	6.8	94.8	9.2	11.6													
									2	22.5	8.0	32.8	6.8	94.9	9.5	10.8													
							Bottom	7.1	1	22.5	8.1	32.8	6.8	95.5	11.6	11.8													
									2	22.5	8.1	32.8	6.9	95.7	11.7	11.8													
		TCE-C2	Cloudy	Moderate	3:35	12.5	Surface	1.0	1	22.5	8.1	31.9	6.8	94.2	4.9	10.0	6.8	6.3	10.3										
									2	22.5	8.1	31.9	6.8	94.2	4.9	11.0													
							Middle	6.3	1	22.5	8.0	31.9	6.8	94.1	5.4	9.4													
									2	22.5	8.0	31.9	6.8	94.1	6.1	10.5													
							Bottom	11.5	1	22.5	8.0	31.9	6.8	94.1	8.1	10.2													
									2	22.5	8.0	31.9	6.8	94.1	8.5	10.6													
		TCE-WQM1	Cloudy	Moderate	4:57	8.2	Surface	1.0	1	22.0	8.1	31.8	6.8	94.1	7.1	9.3	6.8	9.1	9.9										
									2	22.0	8.1	31.8	6.9	94.1	7.4	9.6													
							Middle	4.1	1	21.9	8.1	31.8	6.9	94.0	9.0	10.5													
									2	21.9	8.1	31.8	6.9	94.0	9.2	9.5													
							Bottom	7.2	1	21.8	8.2	31.8	6.9	94.0	10.7	10.9													
									2	21.8	8.2	31.8	6.9	94.1	10.9	9.7													
		TCE-WQM2a	Cloudy	Moderate	4:22	6.3	Surface	1.0	1	22.2	7.9	31.8	6.9	95.2	3.6	9.9	6.9	5.8	10.5										
									2	22.2	7.9	31.8	6.9	95.2	3.6	10.8													
							Middle	3.2	1	22.2	8.0	31.9	6.9	94.8	7.0	10.0													
									2	22.2	8.0	31.9	6.9	94.7	7.5	10.5													
							Bottom	5.3	1	22.1	8.1	31.9	6.8	94.4	6.3	11.2													
									2	22.1	8.1	31.9	6.8	94.3	7.0	10.4													
		TCE-WQM2b	Cloudy	Moderate	4:09	11.4	Surface	1.0	1	22.5	8.1	31.9	6.8	94.1	4.8	10.2	6.8	5.4	10.4										
									2	22.5	8.1	31.9	6.8	94.0	4.8	10.4													
							Middle	5.7	1	22.5	8.1	31.9	6.8	93.8	5.5	10.2													
									2	22.5	8.1	31.9	6.8	93.8	5.5	9.9													
							Bottom	10.4	1	22.5	8.1	31.9	6.8	93.8	6.0	10.6													
									2	22.5	8.1	31.9	6.8	93.8	6.0	10.9													
		TCE-WQM3A	Cloudy	Moderate	4:34	3.5	Surface	1.0	1	22.0	8.1	31.5	6.8	93.8	5.0	10.1	6.8	7.2	10.2										
									2	22.0	8.1	31.5	6.8	93.9	5.0	10.1													
							Bottom	2.5	1	22.0	8.1	31.7	7.0	96.8	9.0	9.9													
									2	22.0	8.1	31.7	7.1	97.1	9.7	10.8													
							TCE-WQM4	Cloudy	Moderate	4:45	3.3	Surface	1.0	1	22.1	8.0				31.8	6.9	95.1	6.7	9.0	6.9	7.6	10.5		
														2	22.1	8.1				31.8	6.9	95.2	7.1	10.5					
		Bottom	2.3	1	22.1	8.1						31.8	7.0	96.1	8.1	11.8													
				2	22.1	8.1						31.8	7.0	96.3	8.7	10.5													
		2021-11-24	Mid-Flood	TCE-C1	Cloudy	Moderate						9:16	8.4	Surface	1.0	1	22.3	8.1	32.3	6.8	94.4	6.2	10.8	6.8				9.7	10.2
																2	22.3	8.1	32.3	6.8	94.4	6.2	9.6						
							Middle	4.2	1	22.5	8.0			32.7	6.8	94.5	10.1	10.1											
									2	22.5	8.0			32.8	6.8	94.6	10.7	10.6											
							Bottom	7.4	1	22.5	7.9			32.8	6.8	95.3	12.9	10.6											
									2	22.5	7.9			32.8	6.8	95.4	12.2	9.5											
		TCE-C2	Cloudy	Moderate	11:18	13.4	Surface	1.0	1	23.2	8.1	32.4	6.5	91.5	2.1	9.7	6.4	4.3	10.3										
									2	23.2	8.1	32.4	6.5	91.4	2.1	10.3													
							Middle	6.7	1	23.3	8.0	32.6	6.4	90.2	3.9	10.2													
									2	23.3	8.0	32.6	6.4	90.2	3.9	11.4													
Bottom	12.4						1	23.3	8.1	32.7	6.4	91.0	7.0	9.8															
							2	23.3	8.1	32.7	6.4	91.0	7.1	10.5															
TCE-WQM1	Cloudy	Moderate	10:01	8.0	Surface	1.0	1	22.1	8.2	31.8	6.9	94.7	13.0	10.3	6.9	9.1	11.8												
							2	22.1	8.2	31.8	6.9	94.7	13.9	11.2															
					Middle	4.0	1	22.0	8.1	31.8	6.9	94.2	6.2	12.2															
							2	22.0	8.1	31.8	6.8	94.2	6.0	12.1															
					Bottom	7.0	1	22.0	8.2	31.8	6.9	94.8	7.5	12.3															
							2	22.0	8.1	31.8	6.9	94.9	8.1	12.6															
TCE-WQM2a	Cloudy	Moderate	10:36	7.1	Surface	1.0	1	22.5	8.1	31.9	6.8	94.5	6.7	13.2	6.8	7.8	11.5												
							2	22.5	8.1	31.9	6.8	94.5	6.7	11.6															
					Middle	3.6	1	22.5	8.0	31.9	6.8	94.2	6.9	10.9															
							2	22.5	8.0	31.9	6.8	94.2	7.3	11.6															
					Bottom	6.1	1	22.6	8.1	31.9	6.7	93.7	10.7	11.8															
							2	22.6	8.1	31.8	6.8	93.8	9.3	9.9															
TCE-WQM2b	Cloudy	Moderate	10:48	10.6	Surface	1.0	1	22.7	8.1	32.0	6.7	93.3	4.1	9.2	6.7	6.8	10.8												
							2	22.7	8.1	32.0	6.7	93.3	4.2	10.2															
					Middle	5.3	1	22.7	8.1	32.0	6.7	93.2	5.5	9.0															
							2	22.7	8.1	32.0	6.7	93.2	6.0	10.1															
					Bottom	9.6	1	22.6	8.2	32.0	6.7	93.3	10.2	12.7															
							2	22.6	8.2	32.0	6.7	93.4	10.7	13.5															
TCE-WQM3A	Cloudy	Moderate	10:24	3.5	Surface	1.0	1	22.2	8.1	31.6	6.9	95.5	6.0	10.1	6.9	7.6	10.7												
							2	22.1	8.1	31.7	6.9	95.5	6.5	11.8															
					Bottom	2.5	1	22.1	8.0	31.7	7.0	95.8	8.8	10.8															
							2	22.1	8.0	31.7	7.0	96.0	9.1	9.9															
					TCE-WQM4	Cloudy	Moderate	10:13	3.7	Surface	1.0	1	22.4	8.1				32.0	7.0	97.1	7.8	10.3	7.0	9.8	10.4				
												2	22.4	8.1				32.0	7.0	97.3	8.2	9.4							
Bottom	2.7	1	22.3	8.1						32.0	7.2	99.6	12.0	11.0															
		2	22.3	8.1						32.0	7.2	99.9	11.0	11.0															

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)		
2021-11-26	Mid-Ebb	TCE-C1	Fine	Calm	6:26	8.0	Surface	1.0	1	22.4	8.1	32.5	6.9	96.5	6.2	4.1	6.9	7.5	4.3		
									2	22.4	8.1	32.5	6.9	96.4	6.1	3.2					
							Middle	4.0	1	22.4	8.1	32.9	6.9	95.9	7.4	4.5					
									2	22.4	8.1	32.9	6.9	96.0	7.5	4.0					
							Bottom	7.0	1	22.4	8.2	32.9	6.9	96.3	8.8	4.8					
									2	22.4	8.2	32.8	6.9	96.5	8.9	5.2					
		TCE-C2	Fine	Calm	4:37	12.8	Surface	1.0	1	22.8	8.1	32.3	6.6	92.9	2.1	3.5	6.7	3.1	3.2		
									2	22.8	8.1	32.3	6.6	93.0	2.2	3.1					
							Middle	6.4	1	22.8	8.2	32.3	6.7	93.5	3.1	2.9					
									2	22.8	8.2	32.3	6.7	93.5	3.2	3.0					
							Bottom	11.8	1	22.8	8.2	32.3	6.7	94.0	4.2	3.7					
									2	22.8	8.2	32.3	6.7	94.1	4.2	2.8					
		TCE-WQM1	Fine	Calm	5:43	8.2	Surface	1.0	1	22.7	8.1	32.2	7.1	99.7	3.7	3.2	7.1	4.8	5.3		
									2	22.7	8.1	32.2	7.1	99.6	3.8	4.6					
							Middle	4.1	1	22.6	8.2	32.2	7.1	99.1	4.9	5.5					
									2	22.6	8.2	32.2	7.1	99.0	4.9	4.6					
							Bottom	7.2	1	22.5	8.2	32.2	7.1	98.6	5.7	6.2					
									2	22.6	8.2	32.2	7.1	98.6	5.6	5.7					
		TCE-WQM2a	Fine	Calm	5:12	7.0	Surface	1.0	1	22.7	8.2	32.1	7.1	99.0	3.0	2.3	7.1	4.2	2.0		
									2	22.7	8.2	32.1	7.1	99.0	3.0	1.6					
							Middle	3.5	1	22.6	8.2	32.2	7.1	98.6	4.6	2.3					
									2	22.6	8.2	32.2	7.1	98.6	4.6	2.2					
							Bottom	6.0	1	22.6	8.2	32.2	7.1	98.7	5.1	1.6					
									2	22.6	8.3	32.2	7.1	98.8	5.0	2.2					
		TCE-WQM2b	Fine	Calm	5:00	10.4	Surface	1.0	1	22.6	8.0	32.1	6.9	95.6	1.1	3.9	6.9	1.8	3.8		
									2	22.6	8.0	32.1	6.9	95.6	1.2	3.0					
							Middle	5.2	1	22.6	8.1	32.1	6.9	95.6	2.1	3.8					
									2	22.6	8.1	32.1	6.9	95.7	2.1	4.0					
							Bottom	9.4	1	22.5	8.2	32.1	6.9	96.0	2.2	3.7					
									2	22.5	8.2	32.1	6.9	96.0	2.2	4.5					
		TCE-WQM3A	Fine	Calm	5:22	4.0	Surface	1.0	1	22.7	8.2	32.1	7.0	97.9	7.9	6.3	7.0	8.5	6.1		
									2	22.7	8.2	32.1	7.0	97.9	7.8	6.4					
							Bottom	3.0	1	22.7	8.3	32.1	7.0	98.3	9.1	6.4					
									2	22.7	8.3	32.1	7.1	98.5	9.1	5.4					
							Surface	1.0	1	22.7	8.2	32.2	7.1	99.1	4.0	6.5					
									2	22.7	8.2	32.2	7.1	99.1	4.0	7.4					
		TCE-WQM4	Fine	Calm	5:31	3.6	Bottom	2.6	1	22.7	8.3	32.2	7.1	98.9	4.4	9.7	7.1	4.2	8.1		
									2	22.7	8.3	32.1	7.1	98.6	4.5	8.8					
							Surface	1.0	1	22.7	8.2	32.2	7.1	99.1	4.0	6.5					
									2	22.7	8.2	32.2	7.1	99.1	4.0	7.4					
							Bottom	2.6	1	22.7	8.3	32.2	7.1	98.9	4.4	9.7					
									2	22.7	8.3	32.1	7.1	98.6	4.5	8.8					
		2021-11-26	Mid-Flood	TCE-C1	Fine	Calm	15:26	8.0	Surface	1.0	1	22.5	8.1	32.8	6.8	95.4	7.3	2.8	6.9	8.4	3.3
											2	22.5	8.1	32.8	6.8	95.4	7.4	3.5			
									Middle	4.0	1	22.5	8.1	32.9	6.9	96.5	8.8	3.2			
											2	22.5	8.1	32.9	6.9	96.7	8.7	2.9			
									Bottom	7.0	1	22.5	8.1	32.9	7.0	97.1	9.0	3.1			
											2	22.5	8.1	32.9	7.0	97.2	9.1	4.0			
TCE-C2	Fine			Calm	17:04	12.6	Surface	1.0	1	22.8	8.2	32.2	7.2	100.7	1.2	2.8	7.2	1.6	3.3		
									2	22.8	8.2	32.2	7.2	100.7	1.1	3.2					
							Middle	6.3	1	22.8	8.2	32.2	7.2	100.7	1.6	3.3					
									2	22.8	8.2	32.2	7.2	100.8	1.6	2.8					
							Bottom	11.6	1	22.8	8.2	32.2	7.2	100.8	2.1	3.3					
									2	22.8	8.2	32.2	7.2	100.8	2.1	4.1					
TCE-WQM1	Fine			Calm	16:03	8.6	Surface	1.0	1	22.6	8.2	32.3	7.1	99.2	3.3	6.0	7.1	3.2	5.9		
									2	22.6	8.2	32.3	7.1	99.1	3.4	6.3					
							Middle	4.3	1	22.6	8.1	32.3	7.1	98.8	2.4	6.1					
									2	22.6	8.1	32.3	7.1	98.8	2.5	5.7					
							Bottom	7.6	1	22.6	8.1	32.3	7.1	98.8	3.8	5.8					
									2	22.6	8.1	32.3	7.1	98.8	3.7	5.3					
TCE-WQM2a	Fine			Calm	16:34	8.2	Surface	1.0	1	22.9	8.1	32.1	7.1	99.5	2.4	3.0	7.1	3.5	3.3		
									2	22.9	8.1	32.1	7.1	99.5	2.4	3.5					
							Middle	4.1	1	22.8	8.0	32.1	7.1	98.9	3.7	2.9					
									2	22.8	8.0	32.1	7.1	98.8	3.7	3.6					
							Bottom	7.2	1	23.0	7.9	32.0	7.0	98.4	4.5	3.8					
									2	23.1	7.9	31.9	7.0	98.4	4.4	2.8					
TCE-WQM2b	Fine			Calm	16:45	10.2	Surface	1.0	1	22.9	8.1	32.2	7.0	97.7	2.4	3.6	6.9	3.4	3.1		
									2	22.9	8.1	32.2	7.0	97.5	2.3	2.7					
							Middle	5.1	1	23.0	8.1	32.2	6.9	97.0	3.2	3.0					
									2	23.0	8.0	32.2	6.9	97.0	3.2	2.6					
							Bottom	9.2	1	23.2	8.0	32.1	6.9	97.1	4.6	2.6					
									2	23.2	8.0	32.0	6.9	97.1	4.6	3.8					
TCE-WQM3A	Fine			Calm	16:24	4.0	Surface	1.0	1	23.2	8.2	32.1	7.5	105.3	5.5	6.1	7.4	5.8	6.6		
									2	23.2	8.2	32.1	7.2	101.9	5.4	6.2					
							Bottom	3.0	1	23.4	8.1	32.0	7.1	100.8	6.1	6.6					
									2	23.4	8.1	32.0	7.2	101.0	6.1	7.4					
							Surface	1.0	1	23.2	8.3	32.1	7.3	102.8	5.2	5.2					
									2	23.3	8.3	32.1	7.3	102.3	5.3	5.5					
TCE-WQM4	Fine			Calm	16:14	4.0	Bottom	3.0	1	23.3	8.3	32.0	7.2	100.8	6.3	6.2	7.2	5.7	5.5		
									2	23.3	8.3	32.0	7.2	101.0	6.2	5.2					

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)									
2021-11-29	Mid-Ebb	TCE-C1	Sunny	Moderate	8:08	8.5	Surface	1.0	1	22.8	8.2	33.3	7.3	103.4	6.1	6.6	7.3	6.9	5.6									
									2	22.8	8.2	33.3	7.3	103.4	6.2	6.3												
							Middle	4.3	1	22.7	8.1	33.3	7.2	101.6	6.9	5.9												
									2	22.7	8.1	33.3	7.2	101.6	6.9	6.0												
							Bottom	7.5	1	22.7	8.1	33.6	7.2	101.2	7.7	4.3												
									2	22.7	8.1	33.6	7.2	101.2	7.7	4.4												
		TCE-C2	Sunny	Moderate	6:18	13.1	Surface	1.0	1	22.7	8.1	32.9	8.0	32.9	8.0	111.9	3.2	4.9	8.0	3.7	4.0							
									2	22.7	8.1	32.9	8.0	111.8	3.2	4.6												
							Middle	6.6	1	22.6	8.1	32.9	7.9	111.2	3.7	4.0												
									2	22.6	8.1	32.9	7.9	111.2	3.8	4.1												
							Bottom	12.1	1	22.6	8.1	33.0	7.6	106.5	4.0	2.9												
									2	22.6	8.1	33.0	7.6	106.5	4.1	3.2												
		TCE-WQM1	Sunny	Moderate	7:31	8.6	Surface	1.0	1	22.8	8.2	33.1	8.4	8.4	117.4	5.2	3.8	8.0	6.4	4.7								
									2	22.8	8.2	33.1	8.4	117.4	5.1	3.7												
							Middle	4.3	1	22.7	8.2	33.4	7.7	107.5	5.6	5.1												
									2	22.7	8.2	33.4	7.7	107.5	5.6	4.9												
							Bottom	7.6	1	22.6	8.1	33.4	7.4	103.5	8.4	5.4												
									2	22.6	8.1	33.4	7.4	103.5	8.5	5.4												
		TCE-WQM2a	Sunny	Calm	6:57	7.3	Surface	1.0	1	22.9	8.2	32.9	8.5	8.5	120.1	4.7	2.6	8.5	7.1	3.2								
									2	22.9	8.2	32.9	8.5	120.1	4.7	2.7												
							Middle	3.7	1	22.8	8.2	33.0	8.4	118.3	5.8	3.4												
									2	22.8	8.2	33.0	8.4	118.3	6.0	3.1												
							Bottom	6.3	1	22.6	8.2	33.1	8.1	113.1	10.7	3.8												
									2	22.6	8.2	33.1	8.1	113.1	10.8	3.6												
	TCE-WQM2b	Sunny	Moderate	6:44	10.9	Surface	1.0	1	22.4	8.2	32.9	7.8	7.8	109.4	5.8	3.3	7.8	4.1	4.3									
								2	22.4	8.2	32.9	7.8	109.4	5.8	3.3													
						Middle	5.5	1	22.4	8.1	32.9	7.8	108.6	4.1	3.6													
								2	22.4	8.1	32.9	7.8	108.6	4.2	3.6													
						Bottom	9.9	1	22.4	8.1	32.9	7.7	107.1	4.4	3.9													
								2	22.4	8.1	32.9	7.7	107.1	4.4	6.1													
	TCE-WQM3A	Sunny	Calm	7:09	4.2	Surface	1.0	1	22.7	8.2	32.5	8.4	8.4	116.9	5.3	6.5	8.4	5.7	5.9									
								2	22.7	8.2	32.5	8.4	116.8	5.3	6.9													
						Bottom	3.2	1	22.6	8.2	32.7	8.1	113.3	6.1	5.2													
								2	22.6	8.2	32.7	8.1	113.3	6.3	4.9													
						TCE-WQM4	Sunny	Calm	7:20	4.0	Surface	1.0	1	22.8	8.2	33.1				8.4	8.4	117.4	6.0	5.8	8.4	7.5	6.3	
													2	22.8	8.2	33.1				8.4	117.5	6.0	5.7					
	Bottom	3.0	1	22.7	8.2						33.3	7.8	110.2	9.1	6.8													
			2	22.7	8.2						33.3	7.9	110.3	9.0	6.9													
	2021-11-29	Mid-Flood	TCE-C1	Sunny	Moderate						13:51	9.0	Surface	1.0	1	22.9	8.2	32.9	7.8	110.2	4.9	6.0	7.7	6.6				5.4
															2	22.9	8.2	32.9	7.8	110.1	5.0	6.4						
						Middle	4.5	1	22.7	8.2			33.2	7.5	105.5	5.4	5.1											
								2	22.7	8.2			33.2	7.5	105.5	5.4	5.5											
						Bottom	8.0	1	22.6	8.2			33.6	7.5	104.8	9.5	4.7											
								2	22.6	8.2			33.6	7.5	104.7	9.5	4.4											
			TCE-C2	Sunny	Moderate	15:57	13.5	Surface	1.0	1	23.0	8.1	33.2	7.4	7.4	104.3	4.3	6.7	7.1	5.4	5.7							
										2	23.0	8.1	33.2	7.4	104.3	4.2	6.5											
								Middle	6.8	1	23.1	8.1	33.3	6.8	96.4	4.8	5.6											
										2	23.1	8.1	33.3	6.8	96.4	4.8	5.4											
Bottom								12.5	1	23.2	8.1	33.4	6.7	94.4	7.0	5.0												
									2	23.2	8.1	33.4	6.7	94.6	7.1	4.8												
TCE-WQM1			Sunny	Moderate	14:39	8.7	Surface	1.0	1	23.5	8.2	33.0	9.0	9.0	127.5	5.1	8.6	8.9	5.9	6.8								
									2	23.5	8.2	33.0	9.0	127.4	5.0	8.2												
							Middle	4.4	1	23.4	8.2	33.0	8.8	125.3	5.9	7.3												
									2	23.4	8.2	33.0	8.8	125.2	6.0	7.5												
							Bottom	7.7	1	23.0	8.2	33.3	8.1	113.9	6.7	4.5												
									2	23.0	8.1	33.3	8.1	113.8	6.7	4.9												
TCE-WQM2a			Sunny	Calm	15:17	7.6	Surface	1.0	1	22.9	8.2	32.9	8.8	8.8	124.2	4.0	3.9	8.5	5.3	4.3								
									2	22.9	8.2	32.9	8.8	124.2	4.0	3.9												
							Middle	3.8	1	22.6	8.2	32.9	8.1	114.0	4.7	4.3												
									2	22.6	8.2	32.9	8.1	114.0	4.7	4.3												
							Bottom	6.6	1	22.6	8.2	32.9	8.1	113.2	7.0	4.5												
									2	22.6	8.2	32.9	8.1	113.2	7.2	4.7												
TCE-WQM2b		Sunny	Moderate	15:29	11.1	Surface	1.0	1	23.0	8.2	33.0	8.1	8.1	114.6	4.6	4.5	7.9	5.4	6.1									
								2	23.0	8.2	33.0	8.1	114.6	4.8	4.8													
						Middle	5.6	1	22.8	8.2	33.0	7.7	108.0	5.7	5.7													
								2	22.8	8.2	33.0	7.7	108.0	5.6	6.1													
						Bottom	10.1	1	22.8	8.2	33.0	7.7	107.7	5.9	7.7													
								2	22.8	8.2	33.0	7.7	107.7	5.9	7.9													
TCE-WQM3A		Sunny	Calm	15:06	4.3	Surface	1.0	1	23.2	8.2	32.7	9.3	9.3	131.0	4.6	7.4	9.3	4.9	6.7									
								2	23.2	8.2	32.7	9.3	131.0	4.6	7.2													
						Bottom	3.3	1	22.9	8.2	32.8	8.9	125.5	5.3	6.1													
								2	22.9	8.2	32.8	8.9	125.4	5.3	6.1													
						TCE-WQM4	Sunny	Calm	14:55	4.1	Surface	1.0	1	23.1	8.2	32.9				8.9	8.9	125.4	6.1	5.3	8.9	8.1	6.0	
													2	23.1	8.2	32.9				8.9	125.4	6.1	5.3					
Bottom		3.1	1	22.9	8.2						32.9	8.6	120.6	10.2	6.9													
			2	22.9	8.2						32.9	8.6	120.6	10.1	6.5													