

Annex G3

Monitoring Results for Water Quality

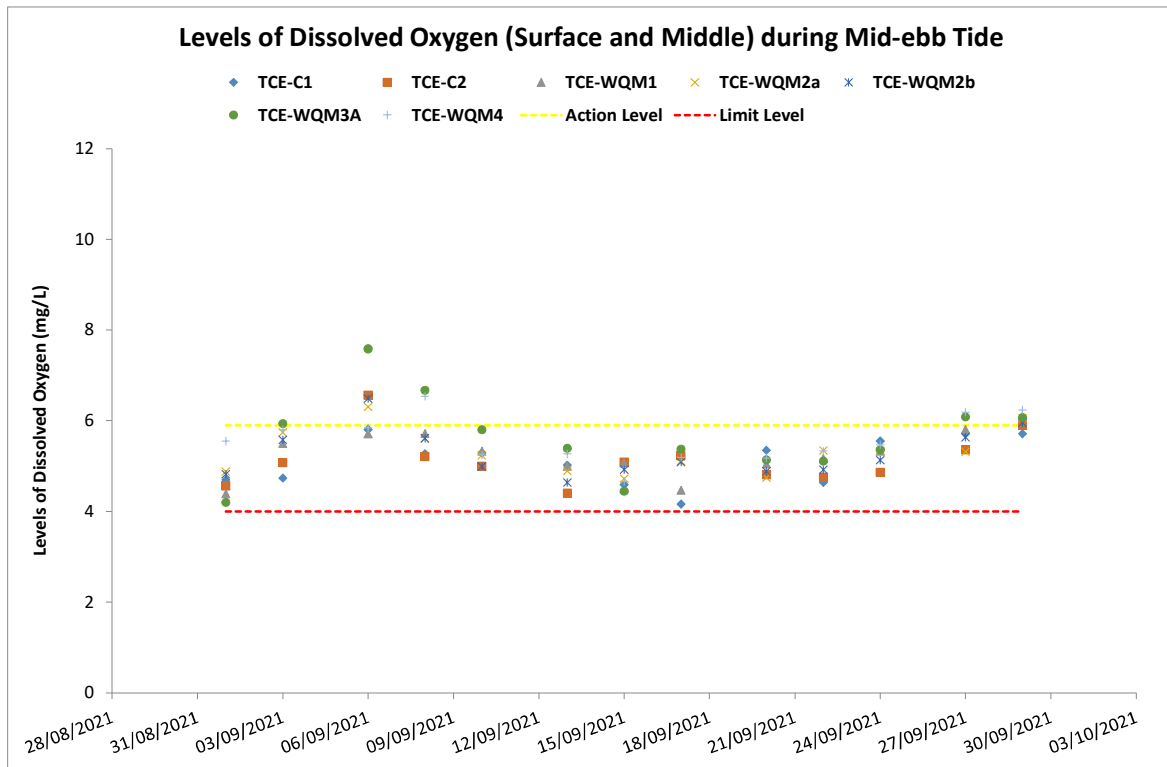


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2021

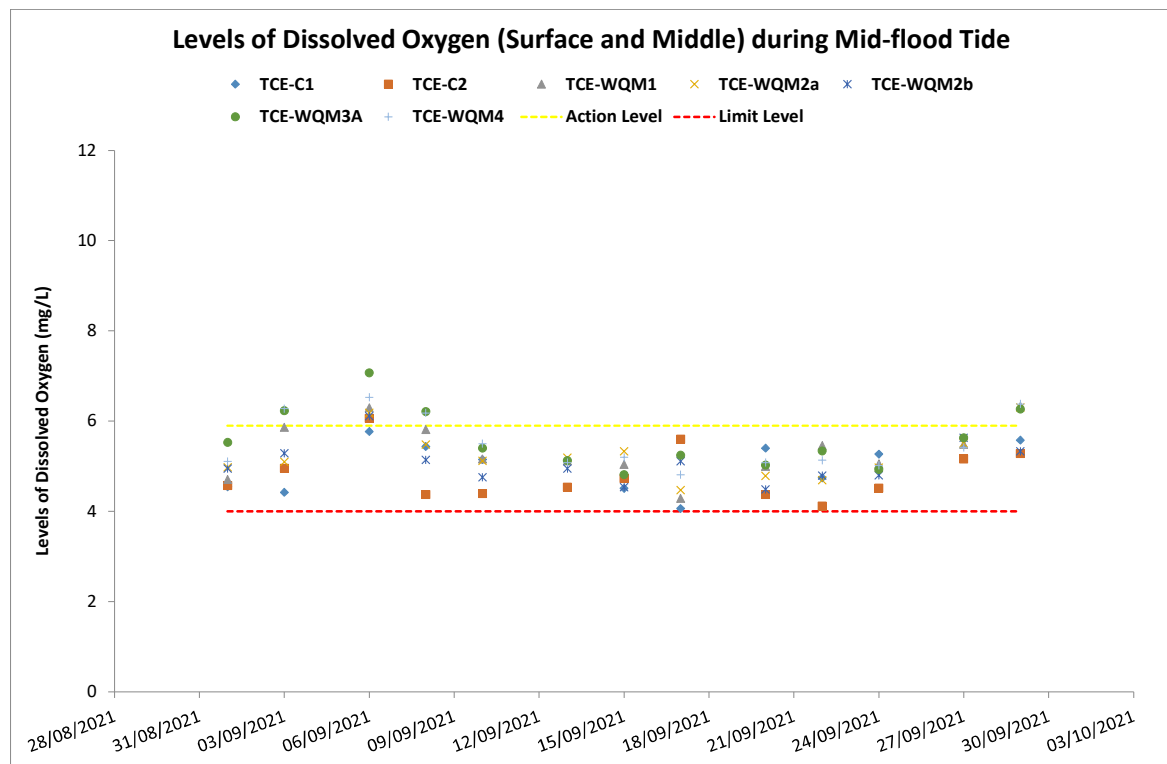


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2021

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

Environmental Resources Management



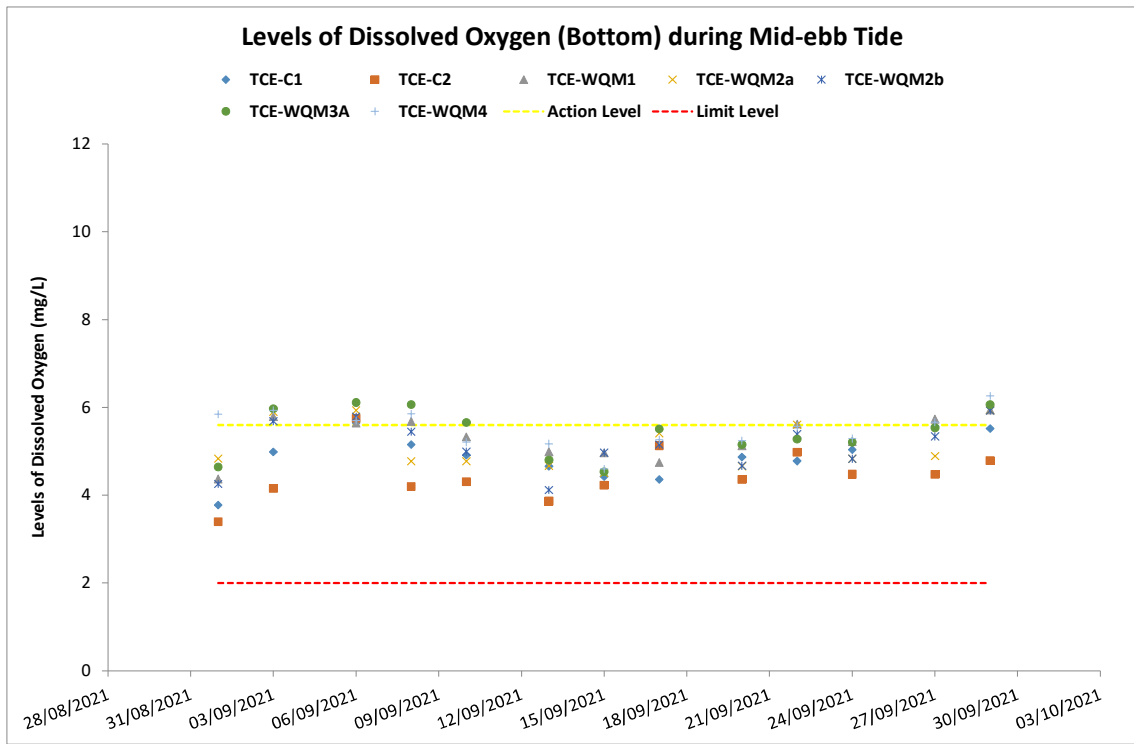


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2021

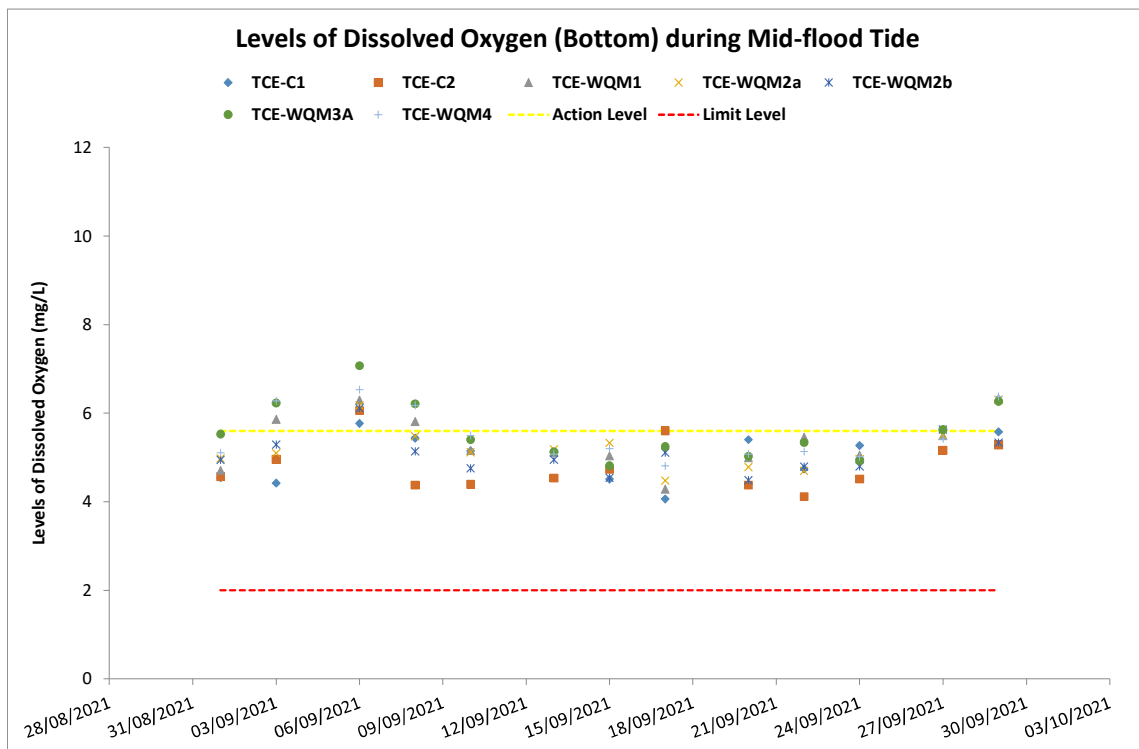


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2021

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

**Environmental
 Resources
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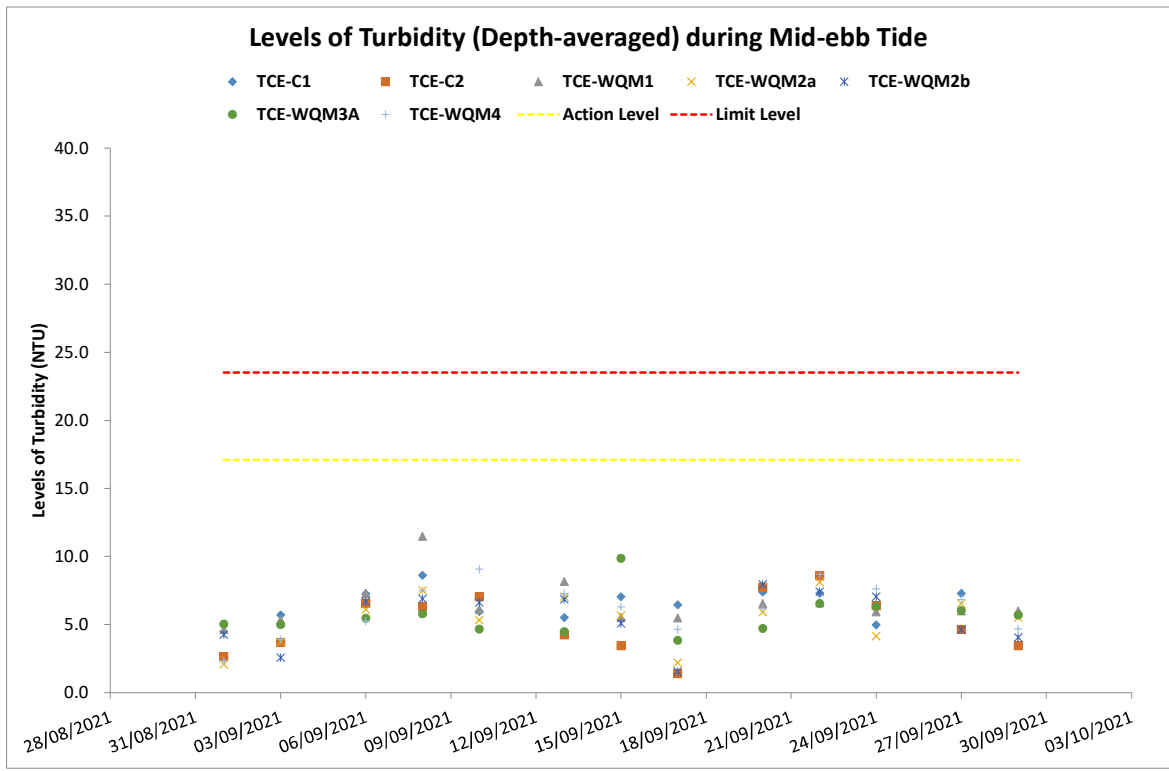


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2021

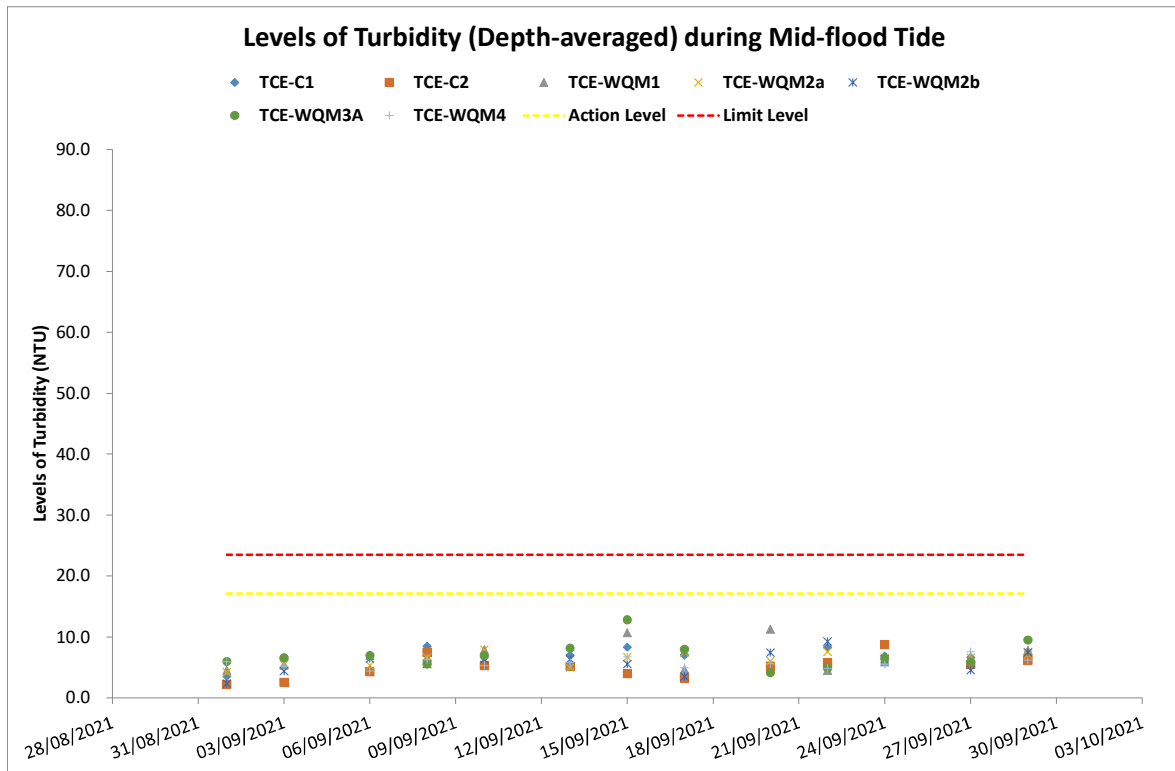


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2021

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

Environmental Resources Management



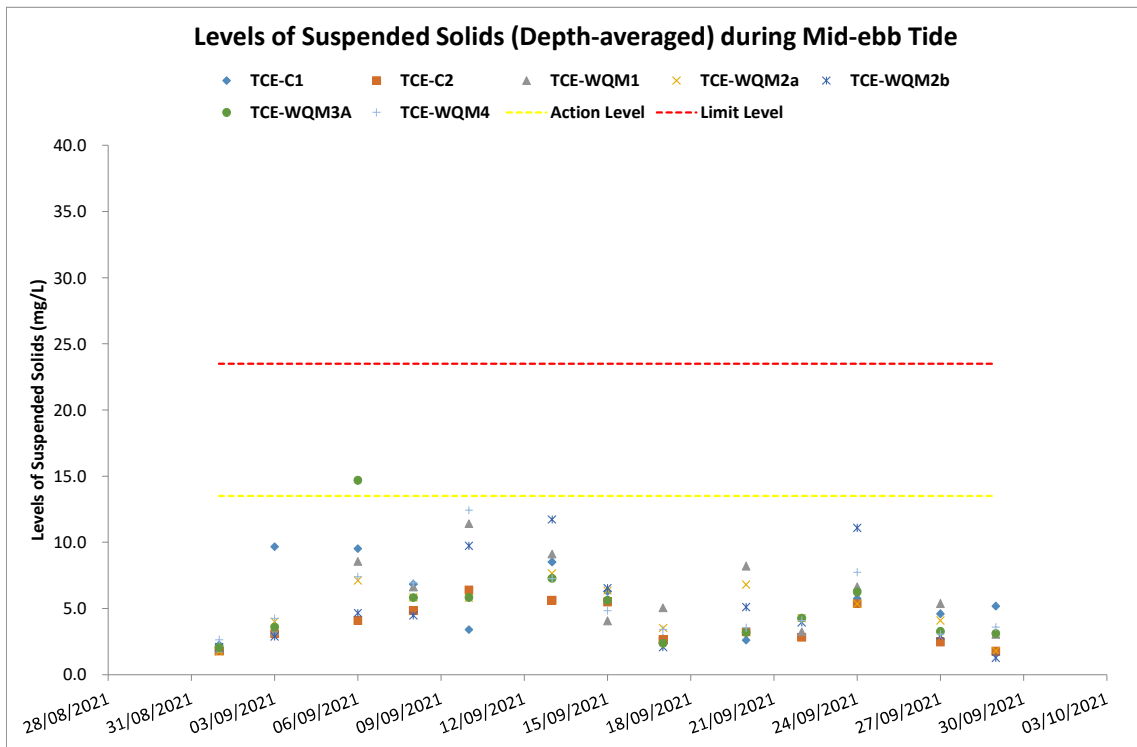


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2021

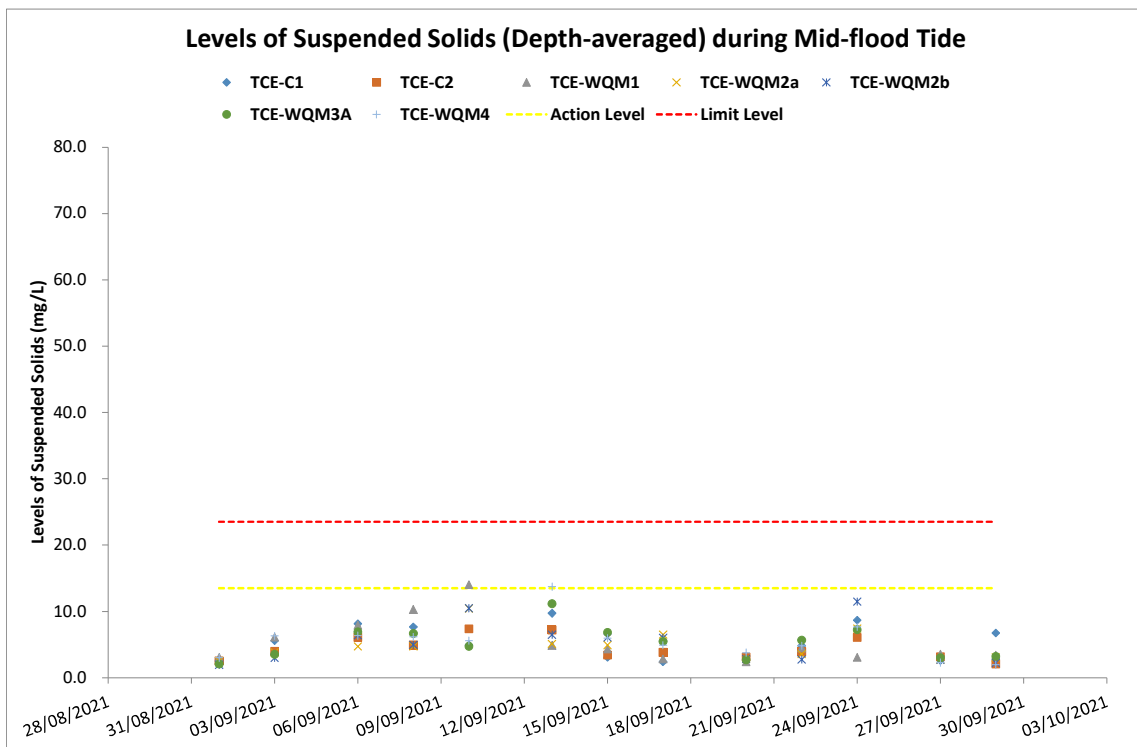


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2021

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)
2021-09-01	Mid-Ebb	TCE-C1	Rainy	Calm	9:29	8.0	Surface	1.0	1	26.6	7.9	28.8	4.9	72.0	2.1	2.1	4.7	2.6	2.2
									2	26.6	7.9	28.9	4.9	71.5	2.0	1.7			
							Middle	4.0	1	26.3	7.9	29.9	4.5	66.2	2.5	2.5			
							Bottom	7.0	1	26.2	7.9	30.1	4.5	65.7	2.5	2.2			
				2	25.8	7.9	31.4	3.8	55.2	3.2	2.7								
				2	25.9	7.9	31.2	3.8	55.6	3.1	2.2								
		TCE-C2	Misty	Calm	7:21	12.8	Surface	1.0	1	27.1	7.8	27.1	5.3	77.1	2.0	1.7	4.6	2.6	1.8
									2	27.1	7.8	27.3	5.2	76.8	1.9	1.2			
							Middle	6.4	1	26.6	7.8	28.9	3.9	57.1	2.9	1.4			
							Bottom	11.8	1	26.7	7.8	28.9	3.9	56.6	3.0	2.0			
				2	25.2	7.8	31.9	3.4	49.4	3.1	2.4								
				2	25.2	7.8	31.9	3.4	49.5	3.0	2.0								
	TCE-WQM1	Rainy	Calm	8:33	8.2	Surface	1.0	1	26.9	7.9	28.1	4.6	67.1	4.0	0.9	4.4	4.6	2.0	
								2	26.8	7.9	28.3	4.6	66.9	3.9	0.5				
						Middle	4.1	1	26.4	7.9	29.4	4.2	61.6	4.4	2.7				
						Bottom	7.2	1	26.4	7.9	29.5	4.2	61.7	4.4	2.2				
			2	26.7	7.9	29.4	4.4	64.1	5.6	2.6									
			2	26.9	7.9	29.3	4.4	64.8	5.6	2.9									
	TCE-WQM2a	Misty	Calm	8:00	7.0	Surface	1.0	1	27.0	7.8	27.0	5.2	75.2	1.2	2.0	4.9	2.1	1.8	
								2	27.0	7.8	27.0	5.2	75.2	1.2	2.0				
						Middle	3.5	1	26.6	7.8	29.4	4.6	67.6	2.0	1.5				
						Bottom	6.0	1	26.5	7.8	29.5	4.6	67.8	2.1	1.7				
			2	26.1	7.8	30.3	4.8	70.3	3.1	1.8									
			2	26.1	7.8	30.3	4.9	71.4	3.1	1.5									
TCE-WQM2b	Misty	Calm	7:48	10.4	Surface	1.0	1	27.1	7.8	25.6	5.1	74.4	3.5	1.9	4.8	4.3	2.1		
							2	27.1	7.8	25.7	5.1	73.9	3.5	2.7					
					Middle	5.2	1	26.9	7.8	28.3	4.5	66.7	4.2	1.8					
					Bottom	9.4	1	26.9	7.8	28.4	4.5	66.7	4.2	2.3					
		2	25.6	7.8	30.5	4.2	61.1	5.2	1.8										
		2	25.6	7.8	30.3	4.3	62.6	5.1	2.1										
TCE-WQM3A	Misty	Calm	8:11	4.0	Surface	1.0	1	26.8	7.8	28.2	4.2	61.5	4.5	1.6	4.2	5.0	2.1		
							2	26.8	7.8	28.3	4.2	61.6	4.5	2.1					
					Bottom	3.0	1	27.1	7.8	28.6	4.6	67.7	5.6	2.5					
		2	27.2	7.8	28.5	4.7	69.6	5.5	2.1										
TCE-WQM4	Rainy	Calm	8:21	3.6	Surface	1.0	1	27.5	7.8	27.3	5.6	81.8	1.8	2.3	5.6	2.3	2.7		
							2	27.5	7.8	27.3	5.6	82.0	1.8	3.0					
					Bottom	2.6	1	27.5	7.8	27.3	5.8	85.3	2.9	2.8					
							2	27.5	7.8	27.3	5.9	86.9	2.9	2.5					
2021-09-01	Mid-Flood	TCE-C1	Fine	Calm	19:30	8.0	Surface	1.0	1	26.5	7.9	29.1	4.7	68.3	2.5	2.7	4.5	3.5	2.6
									2	26.4	7.9	29.5	4.6	67.8	2.4	3.5			
							Middle	4.0	1	26.2	7.9	30.0	4.5	65.9	3.7	2.2			
							Bottom	7.0	1	26.2	7.9	30.2	4.4	64.1	3.8	2.4			
				2	26.3	7.9	31.1	4.1	60.0	4.5	2.5								
				2	26.4	7.9	31.0	4.2	61.7	4.4	2.5								
		TCE-C2	Fine	Calm	21:16	12.6	Surface	1.0	1	27.2	7.8	26.2	5.0	73.1	1.2	2.4	4.6	2.2	2.5
									2	27.1	7.8	26.2	5.0	72.1	1.1	2.1			
							Middle	6.3	1	26.8	7.8	29.0	4.2	61.2	2.4	2.2			
							Bottom	11.6	1	26.7	7.8	29.2	4.2	61.0	2.4	2.6			
				2	26.0	7.8	30.3	4.3	63.0	3.2	2.6								
				2	26.1	7.8	30.2	4.5	65.1	3.2	3.2								
	TCE-WQM1	Fine	Calm	20:10	8.6	Surface	1.0	1	27.4	7.9	27.5	5.0	73.9	3.5	3.5	4.7	4.5	3.1	
								2	27.3	7.9	27.7	5.0	73.7	3.4	4.3				
						Middle	4.3	1	26.6	7.9	29.1	4.4	64.8	4.9	3.0				
						Bottom	7.6	1	26.5	7.9	29.3	4.4	64.7	5.0	2.2				
			2	26.4	7.9	29.7	4.6	67.1	5.1	2.9									
			2	26.4	7.9	29.7	4.7	68.5	5.2	2.4									
	TCE-WQM2a	Fine	Calm	20:43	8.2	Surface	1.0	1	27.2	7.8	27.5	5.2	76.8	3.2	4.1	5.0	4.2	2.5	
								2	27.2	7.8	27.5	5.2	76.8	3.2	3.3				
						Middle	4.1	1	26.7	7.8	28.8	4.8	70.6	4.2	2.4				
						Bottom	7.2	1	26.6	7.8	29.0	4.7	68.3	4.2	1.8				
			2	26.8	7.8	29.0	4.4	65.1	5.2	2.2									
			2	26.9	7.8	28.9	4.5	65.8	5.3	1.4									
TCE-WQM2b	Fine	Calm	20:53	10.2	Surface	1.0	1	27.1	7.8	26.3	5.2	75.8	1.1	3.0	4.9	2.3	2.0		
							2	27.0	7.8	26.3	5.1	74.1	1.1	2.2					
					Middle	5.1	1	26.9	7.8	28.2	4.7	69.5	2.6	1.8					
					Bottom	9.2	1	26.9	7.8	28.2	4.8	69.9	2.6	1.9					
		2	26.8	7.8	28.4	5.3	77.7	3.4	1.0										
		2	26.8	7.8	28.4	5.5	80.1	3.3	1.8										
TCE-WQM3A	Fine	Calm	20:32	4.0	Surface	1.0	1	27.5	7.9	26.1	5.5	80.7	5.5	2.0	5.5	6.0	2.1		
							2	27.4	7.9	26.2	5.6	81.2	5.5	2.9					
					Bottom	3.0	1	26.9	7.9	27.4	6.4	93.3	6.5	1.2					
		2	26.9	7.9	27.5	6.4	93.5	6.4	2.1										
TCE-WQM4	Fine	Calm	20:22	4.0	Surface	1.0	1	27.6	7.8	27.4	5.1	75.9	5.7	3.5	5.1	6.0	3.0		
							2	27.5	7.8	27.5	5.1	74.9	5.7	3.0					
					Bottom	3.0	1	27.5	7.8	27.7	5.2	77.2	6.3	3.2					
							2	27.5	7.8	27.6	5.2	77.6	6.2	2.3					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-09-03	Mid-Ebb	TCE-C1	Fine	Calm	12:18	8.0	Surface	1.0	1	27.2	8.0	29.3	4.7	70.0	4.3	9.7	4.7	5.7	9.7
									2	27.2	8.0	29.3	4.7	70.0	4.3	10.6			
							Middle	4.0	1	27.2	8.0	29.4	4.8	70.6	5.9	9.4			
							Bottom	7.0	1	27.2	8.0	29.4	4.8	71.0	6.0	10.2			
				2	27.2	8.0	29.4	4.9	73.1	6.9	8.6								
				2	27.2	8.0	29.4	5.0	74.8	6.9	9.6								
		TCE-C2	Fine	Calm	9:52	12.8	Surface	1.0	1	27.9	7.8	27.8	5.3	78.7	3.0	3.3	5.1	3.7	3.1
									2	27.8	7.8	27.8	5.3	78.5	2.9	3.3			
							Middle	6.4	1	27.6	7.8	28.2	4.9	72.5	3.9	3.2			
							Bottom	11.8	1	27.7	7.8	28.3	4.9	72.3	3.8	3.3			
				2	26.5	7.8	29.7	4.1	60.9	4.3	3.1								
				2	26.7	7.8	29.5	4.2	61.3	4.3	2.4								
	TCE-WQM1	Fine	Calm	11:04	8.2	Surface	1.0	1	28.2	8.0	28.6	5.8	87.5	4.1	3.0	5.5	5.3	3.3	
								2	28.1	8.0	28.6	5.7	85.0	4.2	2.8				
						Middle	4.1	1	27.8	8.0	28.8	5.3	78.4	5.6	2.3				
						Bottom	7.2	1	27.7	8.0	28.8	5.3	78.7	5.6	3.4				
			2	27.7	8.0	28.9	5.7	85.5	6.3	4.4									
			2	27.7	8.0	28.9	5.8	87.2	6.3	3.9									
	TCE-WQM2a	Fine	Calm	10:33	7.0	Surface	1.0	1	28.1	8.0	28.1	5.7	85.9	2.5	3.4	5.7	3.7	4.0	
								2	28.1	8.0	28.1	5.7	85.9	2.5	3.8				
						Middle	3.5	1	28.0	8.0	28.2	5.7	85.9	3.8	3.9				
						Bottom	6.0	1	28.0	8.0	28.3	5.8	85.9	3.8	4.3				
			2	27.8	8.0	28.5	5.9	87.5	4.9	4.0									
			2	27.8	8.0	28.4	5.9	88.4	4.9	4.6									
TCE-WQM2b	Fine	Calm	10:21	10.4	Surface	1.0	1	27.9	7.9	27.4	5.5	82.2	1.7	3.6	5.6	2.6	2.9		
							2	27.9	7.9	27.4	5.6	82.5	1.7	3.6					
					Middle	5.2	1	27.8	7.9	27.5	5.6	83.1	3.0	2.9					
					Bottom	9.4	1	27.8	7.9	27.5	5.6	83.3	2.9	2.7					
		2	27.9	7.9	27.5	5.7	84.2	3.1	2.6										
		2	27.9	7.9	27.5	5.7	84.7	3.1	1.9										
TCE-WQM3A	Fine	Calm	10:42	4.0	Surface	1.0	1	28.3	8.0	28.7	5.9	89.4	4.6	3.0	5.9	5.0	3.6		
							2	28.3	8.0	28.7	5.9	89.4	4.5	3.6					
					Bottom	3.0	1	28.3	8.0	28.7	6.0	89.6	5.5	3.8					
		2	28.2	8.0	28.7	6.0	89.8	5.4	4.0										
TCE-WQM4	Fine	Calm	10:52	3.6	Surface	1.0	1	28.3	7.9	28.7	5.8	87.7	3.8	4.1	5.8	3.9	4.3		
							2	28.3	7.9	28.7	5.8	87.2	3.7	3.7					
					Bottom	2.6	1	28.4	8.0	28.6	5.9	89.5	4.1	4.5					
		2	28.4	8.0	28.6	5.9	89.6	4.0	4.7										
2021-09-03	Mid-Flood	TCE-C1	Fine	Calm	16:30	8.0	Surface	1.0	1	27.2	8.0	29.4	4.4	65.9	5.0	5.1	4.4	6.4	5.6
									2	27.1	8.0	29.5	4.4	65.7	5.0	5.4			
							Middle	4.0	1	27.1	8.0	29.6	4.4	65.4	6.2	6.1			
							Bottom	7.0	1	27.2	8.0	29.5	4.4	65.4	6.2	5.2			
				2	27.2	8.0	29.3	4.4	65.2	7.9	5.4								
				2	27.3	8.0	29.2	4.4	65.4	7.9	6.3								
		TCE-C2	Fine	Calm	18:08	12.6	Surface	1.0	1	27.1	7.9	29.1	5.2	77.4	1.3	3.8	5.0	2.6	4.0
									2	27.1	7.9	29.0	5.1	74.7	1.3	3.8			
							Middle	6.3	1	27.2	7.9	28.8	4.8	70.4	2.7	3.8			
							Bottom	11.6	1	27.2	7.9	28.7	4.8	70.8	2.8	3.2			
				2	27.5	7.9	28.4	5.0	73.5	3.6	4.6								
				2	27.6	7.9	28.2	5.1	75.4	3.7	4.6								
	TCE-WQM1	Fine	Calm	17:02	8.6	Surface	1.0	1	28.4	8.0	28.7	6.2	93.6	4.0	9.4	5.9	5.4	6.1	
								2	28.3	8.0	28.7	6.1	92.1	4.0	9.0				
						Middle	4.3	1	28.1	8.0	28.9	5.6	84.4	5.8	5.0				
						Bottom	7.6	1	28.0	8.0	29.0	5.5	82.7	5.8	4.4				
			2	27.7	8.0	29.1	5.2	77.4	6.4	4.6									
			2	27.7	8.1	29.1	5.3	80.3	6.5	4.2									
	TCE-WQM2a	Fine	Calm	17:35	8.2	Surface	1.0	1	27.5	7.9	28.7	5.2	78.2	4.9	3.7	5.1	5.5	3.8	
								2	27.5	7.9	28.7	5.2	78.2	4.9	3.4				
						Middle	4.1	1	27.1	7.9	29.1	5.0	73.5	5.3	3.9				
						Bottom	7.2	1	27.0	7.9	29.2	5.0	73.4	5.3	4.0				
			2	27.0	7.9	29.2	5.3	78.5	6.2	4.2									
			2	27.1	7.9	29.1	5.2	78.3	6.3	3.8									
TCE-WQM2b	Fine	Calm	17:45	10.2	Surface	1.0	1	28.2	7.9	28.4	5.4	81.0	3.6	4.2	5.3	4.4	3.0		
							2	28.3	7.9	28.5	5.2	78.5	3.6	3.5					
					Middle	5.1	1	26.7	7.9	29.8	5.3	78.3	4.4	2.9					
					Bottom	9.2	1	26.7	7.9	29.8	5.3	78.9	4.4	2.2					
		2	26.7	7.9	29.8	5.2	76.7	5.2	2.2										
		2	26.7	7.9	29.7	5.1	76.0	5.2	2.9										
TCE-WQM3A	Fine	Calm	17:24	4.0	Surface	1.0	1	28.5	8.0	27.7	6.2	93.7	6.0	3.1	6.2	6.6	3.5		
							2	28.5	8.0	27.7	6.2	93.7	6.1	3.8					
					Bottom	3.0	1	28.5	8.0	27.7	6.3	93.9	7.2	3.2					
		2	28.5	8.0	27.7	6.3	94.0	7.1	4.0										
TCE-WQM4	Fine	Calm	17:14	4.0	Surface	1.0	1	28.5	8.0	27.7	6.3	94.3	4.9	5.1	6.3	5.2	6.3		
							2	28.5	8.0	27.7	6.3	94.3	4.8	5.7					
					Bottom	3.0	1	28.5	8.0	27.7	6.3	94.8	5.7	7.5					
		2	28.5	8.0	27.7	6.3	94.9	5.6	6.9										

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)
2021-09-06	Mid-Ebb	TCE-C1	Fine	Rough	11:01	6.9	Surface	1.0	1	29.4	8.1	29.0	5.9	90.1	4.2	8.9	5.8	7.3	9.5
									2	29.4	8.1	29.0	5.9	90.1	4.2	8.6			
							Middle	3.5	1	28.4	8.1	29.3	5.8	87.0	6.8	9.4			
							Bottom	5.9	1	28.1	8.1	29.3	5.7	87.0	6.8	9.7			
				2	28.1	8.1	30.4	5.7	85.7	10.8	10.2								
				2	28.1	8.1	30.4	5.7	85.7	10.8	10.3								
		TCE-C2	Fine	Rough	13:09	14.5	Surface	1.0	1	28.5	8.1	28.0	7.0	105.6	4.6	4.8	6.6	6.6	4.1
									2	28.5	8.1	28.0	7.0	105.6	4.6	4.8			
							Middle	7.3	1	28.1	8.1	28.2	6.1	91.7	6.9	3.8			
							Bottom	13.5	1	28.1	8.1	28.2	6.1	91.7	6.9	4.1			
				2	27.9	8.0	28.5	5.8	85.9	8.2	3.5								
				2	27.9	8.0	28.5	5.8	86.0	8.3	3.6								
	TCE-WQM1	Fine	Rough	11:42	9.5	Surface	1.0	1	28.8	8.1	29.2	5.8	88.1	5.6	6.4	5.7	7.3	8.6	
								2	28.9	8.1	29.2	5.8	88.2	5.7	6.1				
						Middle	4.8	1	28.2	8.1	29.7	5.6	85.2	7.9	9.4				
						Bottom	8.5	1	28.2	8.1	29.7	5.6	85.3	7.9	9.0				
			2	28.1	8.1	30.6	5.6	85.6	8.4	10.4									
			2	28.1	8.1	30.6	5.6	85.6	8.4	10.1									
	TCE-WQM2a	Fine	Moderate	12:24	7.3	Surface	1.0	1	28.9	8.1	28.0	6.6	99.5	6.1	6.6	6.3	6.1	7.1	
								2	28.9	8.1	28.0	6.6	99.5	6.1	6.6				
						Middle	3.7	1	28.6	8.1	28.2	6.0	91.2	6.0	7.1				
						Bottom	6.3	1	28.6	8.1	28.2	6.0	91.2	6.0	7.2				
			2	28.5	8.1	28.5	5.9	89.5	6.3	7.6									
			2	28.5	8.1	28.5	5.9	89.7	6.3	7.7									
	TCE-WQM2b	Fine	Rough	12:40	9.5	Surface	1.0	1	28.5	8.1	28.0	6.8	102.9	6.4	4.0	6.5	6.7	4.7	
								2	28.5	8.1	28.0	6.8	102.8	6.4	4.3				
						Middle	4.8	1	28.1	8.1	28.3	6.2	92.1	7.3	4.9				
						Bottom	8.5	1	28.1	8.1	28.3	6.1	92.0	7.3	4.5				
			2	28.0	8.1	28.4	5.8	86.4	6.3	5.2									
			2	28.0	8.1	28.4	5.8	86.5	6.3	5.1									
	TCE-WQM3A	Fine	Moderate	12:12	3.5	Surface	1.0	1	29.4	8.1	28.0	7.6	115.8	4.9	13.8	7.6	5.5	14.7	
								2	29.4	8.1	28.0	7.6	115.7	5.0	13.8				
						Bottom	2.5	1	28.6	8.1	28.3	6.1	92.3	6.0	15.2				
								2	28.6	8.1	28.3	6.1	92.3	6.0	16.0				
	TCE-WQM4	Fine	Moderate	11:58	3.9	Surface	1.0	1	29.6	8.1	29.0	5.9	90.1	4.0	7.8	5.8	5.2	7.4	
								2	29.5	8.1	29.0	5.8	90.0	4.1	7.7				
Bottom						2.9	1	28.4	8.1	29.4	5.7	86.2	6.4	7.1					
							2	28.4	8.1	29.4	5.7	86.2	6.5	7.0					
		2	28.4	8.1	29.4	5.7	86.2	6.4	7.1										
		2	28.4	8.1	29.4	5.7	86.2	6.5	7.0										
2021-09-06	Mid-Flood	TCE-C1	Sunny	Rough	6:40	7.8	Surface	1.0	1	28.8	8.1	29.2	5.8	88.6	2.4	7.7	5.8	4.5	8.2
									2	28.8	8.1	29.2	5.8	88.6	2.5	7.2			
							Middle	3.9	1	28.2	8.1	29.5	5.7	86.4	3.5	8.3			
							Bottom	6.8	1	28.2	8.1	29.6	5.7	86.4	3.5	8.0			
				2	28.1	8.1	30.8	5.7	86.3	7.7	8.6								
				2	28.1	8.1	30.8	5.7	86.4	7.7	9.1								
		TCE-C2	Sunny	Moderate	4:31	14.1	Surface	1.0	1	28.6	8.1	27.3	8.0	119.9	2.2	5.0	6.1	4.3	6.1
									2	28.6	8.1	27.3	8.0	119.6	2.2	5.4			
							Middle	7.1	1	26.1	7.9	31.2	4.1	60.9	4.5	6.5			
							Bottom	13.1	1	26.1	7.9	31.1	4.1	60.9	4.5	6.2			
				2	25.9	7.9	31.6	4.0	59.2	6.1	6.8								
				2	25.9	7.9	31.6	4.0	59.3	6.2	6.6								
	TCE-WQM1	Sunny	Moderate	5:52	10.7	Surface	1.0	1	28.8	8.1	28.2	6.6	99.2	5.9	6.6	6.3	7.0	7.9	
								2	28.8	8.1	28.2	6.5	99.1	5.9	6.4				
						Middle	5.4	1	28.6	8.1	28.6	6.1	91.4	6.5	8.4				
						Bottom	9.7	1	28.6	8.1	28.6	6.0	91.4	6.6	8.5				
			2	28.4	8.1	28.9	5.7	85.9	8.6	8.6									
			2	28.4	8.1	28.9	5.7	86.1	8.6	8.9									
	TCE-WQM2a	Sunny	Rough	5:17	7.3	Surface	1.0	1	28.1	8.1	28.0	6.6	98.7	4.3	5.4	6.2	5.3	4.7	
								2	28.1	8.1	28.0	6.6	98.7	4.3	5.0				
						Middle	3.7	1	27.5	8.0	28.7	5.8	85.5	6.8	4.5				
						Bottom	6.3	1	27.5	8.0	28.7	5.8	85.6	6.8	4.6				
			2	27.2	8.0	29.3	5.4	79.6	5.0	4.2									
			2	27.2	8.0	29.2	5.4	79.7	5.0	4.5									
	TCE-WQM2b	Sunny	Rough	5:04	11.6	Surface	1.0	1	28.2	8.1	27.7	6.6	99.1	4.4	8.3	6.1	6.4	6.4	
								2	28.2	8.1	27.7	6.6	98.8	4.5	8.0				
						Middle	5.8	1	27.7	8.0	28.3	5.6	83.5	7.0	5.9				
						Bottom	10.6	1	27.7	8.0	28.3	5.6	83.5	7.0	6.3				
			2	27.6	8.0	28.5	5.4	80.6	7.9	5.2									
			2	27.6	8.0	28.6	5.4	80.7	7.9	4.8									
	TCE-WQM3A	Sunny	Moderate	5:29	4.3	Surface	1.0	1	28.3	8.1	27.3	7.1	105.7	7.5	8.1	7.1	6.9	6.9	
								2	28.3	8.1	27.3	7.1	105.6	7.4	7.6				
						Bottom	3.3	1	28.0	8.0	27.6	6.1	91.0	6.4	6.1				
								2	28.0	8.0	27.6	6.1	91.0	6.4	5.8				
	TCE-WQM4	Sunny	Moderate	5:40	4.0	Surface	1.0	1	28.7	8.1	27.9	6.5	98.6	3.7	6.9	6.5	4.4	6.3	
								2	28.7	8.1	27.9	6.5	98.5	3.6	6.7				
Bottom						3.0	1	28.7	8.1	27.9	6.4	96.9	5.2	5.6					
							2	28.7	8.1	27.9	6.4	97.0	5.2	6.1					

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)
2021-09-08	Mid-Ebb	TCE-C1	Sunny	Moderate	12:17	8.3	Surface	1.0	1	28.1	8.1	30.7	5.4	82.1	6.2	8.2	5.3	8.6	6.9
									2	28.1	8.1	30.8	5.4	82.1	6.4	7.1			
							Middle	4.2	1	27.8	8.1	31.7	5.1	78.1	8.6	6.4			
							Bottom	7.3	1	27.8	8.1	31.7	5.1	78.2	8.7	6.8			
				2	27.8	8.1	31.9	5.2	78.3	11.0	6.6								
				2	27.8	8.1	31.9	5.2	78.4	10.9	6.0								
		TCE-C2	Sunny	Moderate	14:09	14.5	Surface	1.0	1	28.2	8.0	29.2	6.1	91.8	3.7	4.5	5.2	6.3	4.9
				2	28.2	8.0	29.2	6.1	91.6	3.7	5.6								
		Middle	7.3	1	26.8	7.9	30.9	4.4	64.6	9.0	5.4								
		Bottom	13.5	1	26.8	7.9	30.9	4.4	64.6	8.9	4.4								
				2	26.4	7.9	31.7	4.2	62.2	6.2	4.2								
				2	26.4	7.9	31.7	4.2	62.4	6.3	5.0								
	TCE-WQM1	Sunny	Moderate	12:57	9.3	Surface	1.0	1	28.7	8.1	29.8	5.7	87.4	10.4	6.8	5.7	11.5	6.6	
			2	28.7	8.1	29.8	5.7	87.4	10.3	7.3									
	Middle	4.7	1	28.7	8.1	29.8	5.7	86.9	11.2	6.9									
	Bottom	8.3	1	28.7	8.1	29.8	5.7	87.0	11.4	6.1									
			2	28.6	8.1	29.9	5.7	86.6	12.8	6.1									
			2	28.6	8.1	29.9	5.7	86.6	12.7	6.5									
	TCE-WQM2a	Sunny	Moderate	13:37	8.3	Surface	1.0	1	28.4	8.0	28.8	6.1	91.7	5.7	7.5	5.6	7.5	5.9	
			2	28.4	8.0	28.8	6.1	91.7	5.7	7.5									
	Middle	4.2	1	27.6	8.0	29.7	5.1	76.8	4.9	6.1									
	Bottom	7.3	1	27.6	8.0	29.6	5.1	76.8	4.8	6.3									
			2	27.1	8.0	30.3	4.8	71.2	11.9	4.3									
			2	27.1	8.0	30.3	4.8	71.3	12.1	3.4									
TCE-WQM2b	Sunny	Moderate	13:49	12.1	Surface	1.0	1	28.8	8.0	28.2	5.6	85.2	5.1	3.3	5.6	6.9	4.5		
		2	28.8	8.0	28.3	5.6	85.2	5.2	7.4										
Middle	6.1	1	28.0	8.0	29.3	5.6	84.2	5.8	5.4										
Bottom	11.1	1	28.0	8.0	29.3	5.6	84.3	5.6	4.8										
		2	27.8	8.0	29.6	5.4	81.7	9.6	2.6										
		2	27.8	8.0	29.6	5.5	81.7	10.0	3.4										
TCE-WQM3A	Sunny	Moderate	13:18	3.9	Surface	1.0	1	29.6	8.1	28.6	6.7	102.7	4.8	5.5	6.7	5.8	5.8		
		2	29.6	8.1	28.6	6.7	102.6	4.8	6.4										
Bottom	2.9	1	28.5	8.0	28.7	6.1	91.8	6.8	5.9										
		2	28.5	8.0	28.7	6.1	91.7	6.8	5.5										
TCE-WQM4	Sunny	Moderate	13:08	4.2	Surface	1.0	1	29.3	8.1	28.7	6.5	100.1	6.0	7.2	6.5	7.5	7.0		
		2	29.2	8.0	28.7	6.5	100.0	6.4	8.2										
Bottom	3.2	1	28.4	8.0	28.8	5.9	88.3	8.8	6.0										
		2	28.3	8.0	28.8	5.9	88.2	8.8	6.4										
		2	28.3	8.1	29.9	5.6	85.3	5.4	10.2										
		2	28.3	8.1	29.9	5.6	85.2	5.6	10.1										
		1	27.9	8.1	31.5	5.3	79.7	8.6	7.5										
		2	27.9	8.1	31.5	5.3	79.7	8.6	6.6										
		1	27.8	8.1	31.8	5.2	79.5	11.4	6.2										
		2	27.8	8.1	31.8	5.2	79.6	11.4	5.4										
		1	27.1	7.9	30.3	4.6	68.6	5.5	3.6										
		2	27.1	7.9	30.3	4.6	68.5	5.5	4.3										
		1	26.4	7.9	31.4	4.1	61.4	7.0	4.7										
		2	26.4	7.9	31.4	4.1	61.4	7.1	5.5										
		1	26.4	7.9	31.4	4.1	61.4	9.8	6.1										
		2	26.4	7.9	31.4	4.2	61.4	9.9	5.4										
TCE-WQM1	Cloudy	Calm	8:09	8.7	Surface	1.0	1	28.7	8.0	29.1	5.8	88.2	2.4	11.2	5.8	6.7	10.3		
		2	28.7	8.0	29.1	5.8	88.2	2.4	10.6										
Middle	4.4	1	28.7	8.0	29.1	5.8	88.2	8.0	11.5										
Bottom	7.7	1	28.7	8.0	29.1	5.8	88.2	8.0	10.6										
		2	28.7	8.0	29.1	5.8	88.5	9.5	9.3										
		2	28.7	8.0	29.1	5.8	88.6	9.5	8.4										
TCE-WQM2a	Sunny	Moderate	7:34	8.2	Surface	1.0	1	28.2	8.0	28.7	5.6	83.6	5.8	3.5	5.5	6.7	4.7		
		2	28.2	8.0	28.7	5.6	83.6	5.8	4.4										
Middle	4.1	1	28.2	8.0	28.8	5.4	81.3	6.2	5.3										
Bottom	7.2	1	28.1	8.0	28.8	5.4	81.2	6.8	4.5										
		2	27.8	8.0	29.3	5.0	75.1	7.7	5.1										
		2	27.8	8.0	29.3	5.0	75.1	7.7	5.5										
TCE-WQM2b	Sunny	Moderate	7:22	11.8	Surface	1.0	1	27.9	8.0	29.1	5.3	79.5	3.6	4.0	5.1	5.6	5.0		
		2	27.9	8.0	29.1	5.3	79.5	3.6	4.5										
Middle	5.9	1	27.4	8.0	29.7	5.0	74.4	5.2	4.7										
Bottom	10.8	1	27.5	8.0	29.7	5.0	74.4	5.2	5.0										
		2	27.2	8.0	30.2	4.8	72.1	7.9	5.4										
		2	27.2	8.0	30.2	4.8	72.2	7.9	6.1										
TCE-WQM3A	Sunny	Calm	7:46	5.4	Surface	1.0	1	28.2	8.0	28.7	6.2	93.5	4.9	6.6	6.2	5.6	6.7		
		2	28.2	8.0	28.7	6.2	93.4	5.0	6.9										
Bottom	4.4	1	28.0	8.0	28.9	5.8	86.6	6.2	6.6										
		2	28.0	8.0	28.9	5.8	86.8	6.2	6.6										
TCE-WQM4	Sunny	Calm	7:56	4.6	Surface	1.0	1	28.4	8.1	28.6	6.2	93.2	5.6	6.9	6.2	6.3	6.2		
		2	28.4	8.1	28.6	6.2	93.2	5.6	6.9										
Bottom	3.6	1	28.3	8.0	28.7	6.1	91.6	6.9	6.4										
		2	28.3	8.0	28.7	6.1	91.5	6.9	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)
2021-09-10	Mid-Ebb	TCE-C1	Sunny	Rough	13:28	8.3	Surface	1.0	1	29.2	8.1	30.2	5.5	84.8	3.8	3.2	5.3	6.0	3.4
									2	29.2	8.1	30.2	5.5	84.7	3.8	4.1			
							Middle	4.2	1	28.3	8.1	31.5	5.1	77.6	4.9	3.0			
							Bottom	7.3	1	28.3	8.1	31.5	5.1	77.6	4.9	4.0			
				2	28.1	8.1	32.0	4.9	75.0	9.2	3.4	4.9							
				2	28.1	8.1	32.0	4.9	75.1	9.3	2.7								
		Surface	1.0	1	29.1	8.0	29.2	5.3	81.1	4.6	5.5								
				2	29.1	8.0	29.2	5.3	81.0	4.6	6.2								
				1	28.2	7.9	29.9	4.7	71.1	6.7	6.9	5.0							
		Middle	7.1	1	28.2	7.9	29.9	4.7	71.1	6.7	6.1								
				2	28.2	7.9	29.9	4.7	71.1	6.7	6.1								
		Bottom	13.2	1	27.5	7.9	30.8	4.3	64.9	9.8	6.5								
			2	27.5	7.9	30.8	4.3	64.8	9.9	7.2	4.3								
	Surface	1.0	1	29.3	8.0	29.9	5.3	82.2	3.2	9.5									
			2	29.3	8.0	29.9	5.3	82.1	3.2	10.1									
	Middle	4.0	1	29.3	8.0	29.9	5.3	82.3	5.6	9.9									
			2	29.3	8.0	29.9	5.3	82.3	5.7	10.7	5.3								
	Bottom	6.9	1	29.2	8.0	29.9	5.3	81.9	9.5	14.6									
			2	29.2	8.0	29.9	5.3	82.0	9.5	13.7									
	Surface	1.0	1	29.3	8.0	29.2	5.6	86.2	4.5	7.2				5.2					
			2	29.3	8.0	29.2	5.6	86.2	4.5	6.5									
	Middle	3.6	1	28.4	7.9	29.5	4.9	73.6	5.2	5.4									
			2	28.4	7.9	29.5	4.9	73.8	5.2	5.6									
			1	28.2	7.9	29.7	4.8	72.2	6.3	4.7	4.8								
Bottom	6.2	1	28.2	7.9	29.7	4.8	72.2	6.3	4.7										
		2	28.2	7.9	29.7	4.8	72.3	6.3	5.5										
Surface	1.0	1	28.8	7.9	28.9	5.0	76.6	5.3	13.6	5.0									
		2	28.8	7.9	28.9	5.0	76.5	5.3	14.3										
Middle	5.4	1	28.7	7.9	29.1	5.0	75.1	6.5	9.7										
		2	28.7	7.9	29.1	5.0	75.1	6.5	8.8										
		1	28.7	7.9	29.1	5.0	75.7	8.0	6.4	5.0									
Bottom	9.8	1	28.7	7.9	29.1	5.0	75.8	8.0	5.6										
		2	28.7	7.9	29.1	5.0	75.8	8.0	5.6										
Surface	1.0	1	29.4	8.0	29.2	5.8	89.2	4.5	5.0				5.8						
		2	29.4	8.0	29.2	5.8	89.1	4.5	4.2										
Middle		1	29.1	8.0	29.2	5.7	86.5	4.8	6.7										
Bottom	3.1	1	29.1	8.0	29.2	5.7	86.5	4.8	7.5										
		2	29.1	8.0	29.2	5.7	86.5	4.8	7.5	5.7									
Surface	1.0	1	29.2	8.0	29.4	5.3	80.7	8.4	12.5										
		2	29.2	8.0	29.3	5.2	80.4	8.6	12.4										
Middle		1	29.0	8.0	29.3	5.2	79.6	9.6	12.0										
		2	29.0	8.0	29.3	5.2	79.7	9.6	12.8	5.2									
Bottom	3.2	1	29.0	8.0	29.3	5.2	79.6	9.6	12.0										
		2	29.0	8.0	29.3	5.2	79.7	9.6	12.8										
Surface	1.0	1	28.6	8.1	30.7	5.3	80.9	4.5	4.4				5.1						
		2	28.7	8.1	30.7	5.3	80.9	4.5	4.1										
Middle	4.5	1	28.2	8.1	31.6	5.0	76.6	6.2	5.0										
		2	28.2	8.1	31.6	5.0	76.5	6.2	5.4										
		1	28.1	8.1	32.0	5.0	76.0	9.3	5.0	5.0									
Bottom	7.9	1	28.1	8.1	32.0	5.0	76.0	9.3	5.0										
		2	28.1	8.1	32.0	5.0	76.0	9.4	5.6										
Surface	1.0	1	27.9	7.9	30.2	4.6	69.1	4.3	6.8				4.4						
		2	27.9	7.9	30.2	4.6	69.1	4.3	7.4										
Middle	7.9	1	27.3	7.9	31.1	4.2	63.3	5.2	6.8										
		2	27.3	7.9	31.1	4.2	63.2	5.3	7.2										
		1	27.3	7.9	31.1	4.2	63.5	6.4	7.7	4.2									
Bottom	14.8	1	27.3	7.9	31.1	4.2	63.5	6.4	7.7										
		2	27.3	7.9	31.1	4.2	63.5	6.4	8.4										
Surface	1.0	1	29.0	8.0	29.5	5.2	79.1	4.6	16.0				5.2						
		2	29.0	8.0	29.5	5.2	79.1	4.7	16.8										
Middle	4.8	1	29.0	8.0	29.5	5.2	79.1	6.2	15.9										
		2	29.0	8.0	29.5	5.2	79.1	6.2	14.7										
		1	29.0	8.0	29.6	5.2	79.6	12.8	15.2	5.2									
Bottom	8.6	1	29.0	8.0	29.6	5.2	79.6	12.8	15.2										
		2	29.0	8.0	29.6	5.2	79.7	12.8	5.6										
Surface	1.0	1	28.8	7.9	29.0	5.1	78.3	5.0	9.9				5.1						
		2	28.8	7.9	29.0	5.1	78.3	5.0	10.7										
Middle	4.3	1	28.7	7.9	29.0	5.1	77.5	7.1	10.8										
		2	28.8	7.9	29.0	5.1	77.5	7.1	10.1										
		1	28.5	7.9	29.2	5.0	75.5	11.5	11.0	5.0									
Bottom	7.6	1	28.5	7.9	29.2	5.0	75.5	11.5	11.0										
		2	28.5	7.9	29.1	5.0	75.7	11.5	10.0										
Surface	1.0	1	28.7	7.9	29.2	5.0	75.4	4.5	13.1				4.8						
		2	28.7	7.9	29.2	5.0	75.4	4.5	12.7										
Middle	6.6	1	28.0	7.9	30.0	4.6	68.7	6.2	9.2										
		2	28.0	7.9	29.9	4.6	68.7	6.3	10.3										
		1	27.5	7.9	30.7	4.3	65.3	8.3	9.2	4.3									
Bottom	12.1	1	27.5	7.9	30.7	4.3	65.3	8.3	9.2										
		2	27.5	7.9	30.7	4.4	65.5	8.3	8.4										
Surface	1.0	1	28.9	8.0	29.1	5.4	82.2	5.9	4.1				5.4						
		2	28.9	8.0	29.1	5.4	82.2	6.0	5.0										
Middle		1	28.9	8.0	29.1	5.4	82.5	7.9	5.2										
Bottom	3.8	1	28.9	8.0	29.1	5.4	82.7	7.9	4.6										
		2	28.9	8.0	29.1	5.4	82.7	7.9	4.6	5.4									
Surface	1.0	1	29.0	8.0	29.2	5.5	84.1	5.1	4.7										
		2	29.0	8.0	29.2	5.5	84.0	5.2	5.7										
Middle		1	29.0	8.0	29.2	5.5	83.4	5.5	6.2										
		2	29.0	8.0	29.2	5.5	83.3	5.5	5.7	5.5									
Bottom	3.6	1	29.0	8.0	29.2	5.5	83.4	5.5	6.2										
		2	29.0	8.0	29.2	5.5	83.3	5.5	5.7										
Surface	1.0	1	29.0	8.0	29.2	5.5	83.4	5.5	6.2				5.5						
		2	29.0	8.0	29.2	5.5	83.4	5.5	6.2										
Middle		1	29.0	8.0	29.2	5.5	83.4	5.5	6.2										
Bottom	3.6	1	29.0	8.0	29.2	5.5	83.4	5.5	6.2										
		2	29.0	8.0	29.2	5.5	83.3	5.5	5.7	5.5									

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)
2021-09-13	Mid-Ebb	TCE-C1	Cloudy	Rough	16:04	7.9	Surface	1.0	1	29.8	8.0	27.6	5.3	80.9	3.6	5.3	5.0	5.5	8.5
									2	29.8	8.0	27.6	5.3	80.9	3.7	5.6			
							Middle	4.0	1	29.0	8.0	29.7	4.8	73.0	5.6	9.4			
							Bottom	6.9	1	28.7	8.0	30.5	4.7	71.3	7.2	10.8			
				2	28.7	8.0	30.5	4.7	71.5	7.3	9.8								
		TCE-C2	Cloudy	Moderate	17:51	14.7	Surface	1.0	1	29.1	8.0	29.4	4.7	71.8	3.4	5.5	4.4	4.2	5.6
									2	29.1	8.0	29.4	4.7	71.7	3.4	5.3			
							Middle	7.4	1	28.2	8.0	30.9	4.1	62.9	3.2	6.0			
							Bottom	13.7	1	28.2	8.0	30.9	4.1	62.9	3.2	5.1			
				2	27.8	8.0	31.6	3.9	58.6	6.1	6.2								
				2	27.8	8.0	31.6	3.9	58.7	6.1	5.6								
		TCE-WQM1	Cloudy	Calm	16:41	9.9	Surface	1.0	1	30.1	8.0	28.7	5.0	77.4	7.4	8.8	5.0	8.2	9.1
								2	30.1	8.0	28.7	5.0	77.4	7.4	9.0				
	Middle						5.0	1	30.1	8.0	28.7	5.0	77.5	7.4	8.8				
	Bottom						8.9	1	30.1	8.0	28.7	5.0	77.5	7.5	9.4				
			2	30.0	8.0	28.7	5.0	77.3	9.7	8.9									
			2	30.0	8.0	28.7	5.0	77.4	9.7	9.8									
	TCE-WQM2a	Cloudy	Moderate	17:15	9.4	Surface	1.0	1	29.6	8.0	28.2	5.0	77.2	5.3	8.3	4.9	7.0	7.7	
								2	29.6	8.0	28.2	5.0	77.2	5.3	7.5				
						Middle	4.7	1	29.3	8.0	28.7	4.8	72.7	7.3	8.0				
						Bottom	8.4	1	29.3	8.0	28.7	4.8	72.9	7.3	7.0				
			2	29.2	8.0	28.9	4.7	71.4	8.6	7.2									
			2	29.2	8.0	28.9	4.7	71.5	8.6	7.9									
	TCE-WQM2b	Cloudy	Moderate	17:26	12.3	Surface	1.0	1	29.6	8.0	28.3	4.9	75.8	4.3	12.0	4.6	6.8	11.7	
							2	29.6	8.0	28.3	4.9	75.8	4.3	13.2					
Middle						6.2	1	28.9	7.9	29.5	4.4	66.3	6.5	11.6					
Bottom						11.3	1	28.9	7.9	29.5	4.3	66.2	6.5	11.0					
		2	28.3	7.9	30.6	4.1	62.7	9.8	11.1										
		2	28.3	7.9	30.7	4.1	62.7	9.8	11.5										
TCE-WQM3A	Cloudy	Calm	17:03	4.1	Surface	1.0	1	30.1	8.0	28.0	5.4	83.4	4.7	6.7	5.4	4.5	7.3		
							2	30.1	8.0	28.0	5.4	83.3	4.8	7.5					
					Bottom	3.1	1	29.8	8.0	28.5	4.8	74.0	4.2	7.0					
		2	29.8	8.0	28.5	4.8	74.2	4.2	7.9										
TCE-WQM4	Cloudy	Calm	16:53	3.9	Surface	1.0	1	30.0	8.0	28.6	5.3	81.6	5.6	7.6	5.3	7.3	7.3		
							2	30.0	8.0	28.6	5.3	81.4	5.6	7.7					
					Bottom	2.9	1	29.9	8.0	28.7	5.2	79.9	9.0	6.8					
		2	29.9	8.0	28.7	5.2	80.1	9.0	6.9										
2021-09-13	Mid-Flood	TCE-C1	Sunny	Moderate	12:14	7.0	Surface	1.0	1	29.7	8.0	27.8	5.3	81.6	5.8	9.0	5.1	7.0	9.7
									2	29.7	8.0	27.8	5.3	81.6	5.8	9.8			
							Middle	3.5	1	29.2	8.0	29.1	4.9	75.5	6.9	9.7			
							Bottom	6.0	1	29.2	8.0	29.1	4.9	75.5	6.9	9.4			
				2	28.7	8.1	30.5	4.7	71.4	8.3	10.4								
				2	28.7	8.1	30.5	4.7	71.5	8.3	10.0								
		TCE-C2	Sunny	Moderate	10:33	13.9	Surface	1.0	1	29.2	7.9	28.6	4.7	71.5	5.3	5.2	4.5	5.2	7.2
									2	29.2	7.9	28.7	4.7	71.5	5.3	4.9			
							Middle	7.0	1	28.7	7.9	29.8	4.4	66.9	3.9	7.1			
							Bottom	12.9	1	28.7	7.9	29.8	4.4	66.9	3.9	6.0			
				2	28.5	7.9	30.1	4.3	65.9	6.4	9.6								
				2	28.5	7.9	30.1	4.3	65.9	6.5	10.5								
	TCE-WQM1	Sunny	Calm	11:44	8.8	Surface	1.0	1	30.1	8.0	28.6	5.1	78.6	4.0	4.6	5.1	5.3	4.9	
								2	30.1	8.0	28.6	5.1	78.6	4.0	4.9				
						Middle	4.4	1	30.1	8.0	28.8	5.2	80.3	4.2	4.4				
						Bottom	7.8	1	30.1	8.0	28.8	5.2	80.3	4.3	5.0				
			2	30.1	8.0	28.8	5.2	80.4	7.7	5.7									
			2	30.1	8.0	28.8	5.2	80.4	7.7	4.6									
	TCE-WQM2a	Sunny	Moderate	11:07	6.9	Surface	1.0	1	29.8	8.0	27.8	5.3	81.3	3.2	3.5	5.2	5.0	5.1	
								2	29.8	8.0	27.8	5.3	81.3	3.2	4.0				
						Middle	3.5	1	29.6	7.9	28.3	5.1	77.9	8.1	5.7				
						Bottom	5.9	1	29.6	7.9	28.3	5.1	77.8	8.1	5.9				
			2	29.4	7.9	28.8	4.9	74.4	3.7	6.0									
			2	29.4	8.0	28.8	4.9	74.6	3.7	5.4									
TCE-WQM2b	Sunny	Moderate	10:55	10.9	Surface	1.0	1	29.7	7.9	27.1	5.2	79.1	4.5	5.9	4.9	6.3	6.5		
							2	29.7	7.9	27.2	5.2	79.0	4.7	5.5					
					Middle	5.5	1	29.2	7.9	28.4	4.7	72.2	9.9	6.8					
					Bottom	9.9	1	29.2	7.9	28.4	4.7	72.1	9.9	6.4					
		2	28.9	7.9	29.3	4.6	69.7	4.5	7.5										
		2	28.9	7.9	29.3	4.6	69.9	4.6	6.7										
TCE-WQM3A	Sunny	Calm	11:19	4.7	Surface	1.0	1	30.1	7.9	28.2	5.1	79.1	8.9	11.7	5.1	8.2	11.2		
							2	30.0	7.9	28.3	5.1	79.2	8.9	11.2					
					Bottom	3.7	1	29.6	7.9	28.6	4.8	73.8	7.5	10.2					
		2	29.6	8.0	28.6	4.8	74.0	7.5	11.5										
TCE-WQM4	Sunny	Calm	11:30	3.2	Surface	1.0	1	29.7	8.0	28.4	5.1	78.1	5.3	13.2	5.1	5.8	13.7		
							2	29.7	8.0	28.4	5.1	78.2	5.3	13.8					
					Bottom	2.2	1	29.7	8.0	28.5	5.1	78.3	6.3	14.2					
		2	29.7	8.0	28.5	5.1	78.5	6.3	13.7										

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

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-09-15	Mid-Ebb	TCE-C1	Cloudy	Moderate	9:06	8.3	Surface	1.0	1	29.3	8.0	28.6	4.9	74.3	5.3	5.0	4.6	7.1	6.3
									2	29.2	8.0	28.6	4.9	74.2	5.4	5.6			
							Middle	4.2	1	28.5	8.0	31.1	4.3	66.1	6.7	5.4			
							Bottom	7.3	1	28.3	8.0	31.9	4.4	67.6	9.0	8.2			
				2	28.3	8.0	31.9	4.4	68.1	9.3	7.4								
				2	29.6	7.9	26.5	5.1	77.5	2.4	5.7								
				2	29.6	7.9	26.4	5.1	77.5	2.4	6.5								
				1	29.5	7.9	26.5	5.1	77.2	3.5	5.1								
				2	29.5	7.9	26.5	5.1	77.1	3.5	6.0								
				1	28.4	7.9	29.4	4.2	63.9	4.5	4.7								
				2	28.4	7.9	29.4	4.2	64.3	4.5	5.0								
				1	30.0	7.9	27.6	5.2	80.6	3.2	4.9								
			2	30.0	7.9	27.7	5.2	80.5	3.3	4.0									
			1	29.6	8.0	28.1	4.9	75.5	6.0	3.8									
			2	29.6	8.0	28.1	4.9	75.3	6.9	4.2									
			1	29.5	8.0	28.3	5.0	76.0	7.0	4.0									
			2	29.6	8.0	28.2	5.0	76.4	6.7	3.5									
			1	29.4	7.9	28.0	4.8	73.1	3.7	7.8									
			2	29.4	7.9	28.0	4.8	73.1	3.7	7.2									
			1	29.3	7.9	28.2	4.7	71.1	3.8	5.7									
			2	29.2	7.9	28.3	4.6	70.8	3.9	6.1									
			1	29.1	7.9	28.4	4.5	68.7	9.5	5.4									
			2	29.1	7.9	28.7	4.5	76.7	9.5	6.0									
			1	29.5	8.0	27.6	5.0	76.0	3.9	6.5									
		2	29.5	8.0	27.7	5.0	75.6	4.1	7.2										
		1	29.4	8.0	27.9	4.9	74.5	5.2	6.4										
		2	29.4	8.0	27.9	4.9	74.5	5.3	7.0										
		1	29.4	8.0	27.9	5.0	75.9	6.0	6.2										
		2	29.4	8.0	27.9	5.0	75.9	6.0	6.0										
		1	29.7	7.9	27.1	4.5	67.9	9.1	7.4										
		2	29.6	7.9	27.3	4.4	67.8	9.0	8.2										
		1	29.2	7.9	28.5	4.5	69.0	10.5	3.2										
		2	29.2	7.9	28.5	4.6	69.4	10.9	3.7										
		1	29.9	7.9	27.4	4.7	71.7	5.6	5.0										
		2	29.9	7.9	27.5	4.7	71.5	5.0	5.4										
		1	29.9	7.9	27.7	4.6	70.8	7.2	4.7										
		2	29.9	7.9	27.8	4.6	70.7	7.4	4.2										
2021-09-15	Mid-Flood	TCE-C1	Cloudy	Moderate	18:39	8.2	Surface	1.0	1	28.9	8.0	28.9	4.7	71.9	6.4	3.7	4.5	8.3	3.1
									2	28.8	8.0	28.9	4.7	71.6	6.6	3.9			
							Middle	4.1	1	28.5	8.0	31.0	4.3	65.9	6.9	3.0			
							Bottom	7.2	1	28.3	8.0	31.8	4.3	65.8	6.9	2.3			
				2	28.3	8.0	31.8	4.3	66.1	11.9	2.9								
				1	29.6	7.9	27.5	5.2	79.1	3.2	2.9								
				2	29.5	7.9	27.6	5.2	78.9	3.4	2.6								
				1	28.7	7.9	29.2	4.3	65.2	4.0	3.7								
				2	28.7	7.9	29.3	4.3	64.9	4.1	3.6								
				1	28.0	7.9	30.8	4.1	62.1	4.7	3.6								
				2	28.1	7.9	30.7	4.1	62.5	4.7	4.0								
				1	30.2	7.9	27.4	5.1	78.3	7.6	4.9								
				2	30.2	7.9	27.5	5.1	78.2	7.7	5.4								
				1	30.0	8.0	27.8	5.0	77.1	10.9	3.6								
				2	30.0	8.0	27.9	5.0	77.2	11.3	4.5								
				1	29.9	8.0	28.1	5.1	77.8	13.3	3.8								
				2	29.9	8.0	28.0	5.1	78.3	13.3	4.0								
				1	29.9	7.9	27.2	5.4	82.4	5.4	5.0								
				2	29.9	7.9	27.2	5.4	82.4	5.4	5.4								
				1	29.8	7.9	27.2	5.3	80.8	6.4	5.2								
				2	29.7	7.9	27.3	5.3	80.8	6.2	5.0								
				1	29.5	7.9	27.5	5.0	75.6	8.4	4.9								
				2	29.5	7.9	27.5	5.0	75.6	8.4	4.1								
				1	30.0	7.9	26.8	5.1	78.2	3.3	6.0								
		2	30.0	7.9	26.8	5.1	78.0	3.4	6.4										
		1	28.3	7.9	30.2	4.0	60.7	5.6	6.0										
		2	28.3	7.9	30.3	4.0	60.5	5.9	6.2										
		1	27.8	7.9	31.4	4.0	60.9	7.5	5.8										
		2	27.8	7.9	31.4	4.1	61.4	7.6	6.0										
		1	29.7	7.9	27.4	4.8	73.8	10.1	6.4										
		2	29.7	7.9	27.5	4.8	73.6	10.2	6.4										
		1	29.4	7.9	28.0	4.6	69.7	15.5	7.6										
		2	29.4	7.9	28.0	4.6	70.0	15.5	7.0										
		1	29.9	7.9	27.6	5.2	79.9	6.5	7.0										
		2	29.9	7.9	27.6	5.2	79.8	6.1	6.1										
		1	29.8	7.9	27.7	5.2	79.9	7.1	5.8										
		2	29.8	7.9	27.7	5.2	80.0	7.2	5.0										

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)	
2021-09-17	Mid-Ebb	TCE-C1	Misty	Calm	11:07	8.0	Surface	1.0	1	28.9	8.0	29.3	4.5	69.3	5.5	3.2	4.2	6.4	2.7	
									2	28.9	8.0	29.4	4.5	68.2	5.5	4.0				
							Middle	4.0	1	27.3	8.0	32.9	3.8	58.1	6.1	2.3				
							Bottom	7.0	1	27.2	8.0	33.0	3.8	58.0	6.1	3.0				
				2	27.2	8.0	33.1	4.3	64.6	7.7	2.1									
				2	27.2	8.0	33.1	4.5	67.5	7.7	1.8									
		TCE-C2	Misty	Calm	9:09	12.8	Surface	1.0	1	28.9	7.9	27.1	5.3	79.7	1.1	1.6	5.2	1.4	2.7	
									2	28.9	7.9	27.2	5.3	79.1	1.1	2.4				
							Middle	6.4	1	28.7	7.9	27.8	5.2	78.4	1.1	2.8				
							Bottom	11.8	1	28.7	7.9	27.9	5.2	78.1	1.1	3.2				
				2	28.9	7.9	28.4	5.1	76.7	2.0	2.4									
				2	29.0	7.9	28.1	5.2	79.1	2.0	3.5									
		TCE-WQM1	Misty	Calm	10:25	8.2	Surface	1.0	1	29.5	8.0	27.7	4.9	74.9	4.4	4.0	4.5	5.5	5.1	
									2	29.5	8.0	27.7	4.8	74.0	4.4	4.3				
							Middle	4.1	1	28.4	8.0	31.1	4.1	62.0	5.9	5.6				
							Bottom	7.2	1	28.6	8.0	31.0	4.1	62.7	6.0	5.4				
				2	29.0	8.0	30.8	4.7	71.7	6.0	5.0									
				2	29.1	8.0	30.7	4.8	74.8	6.1	6.0									
		TCE-WQM2a	Misty	Calm	9:51	7.0	Surface	1.0	1	29.0	7.9	28.6	5.0	76.9	1.3	3.9	5.1	2.2	3.5	
									2	29.0	7.9	28.6	5.0	76.9	1.3	4.5				
							Middle	3.5	1	28.9	7.9	28.8	5.2	78.7	2.2	3.6				
							Bottom	6.0	1	28.9	7.9	28.8	5.2	79.1	2.2	4.3				
				2	28.8	8.0	29.0	5.4	81.7	3.1	2.8									
				2	28.8	8.0	29.0	5.5	82.9	3.1	2.1									
	TCE-WQM2b	Misty	Calm	9:40	10.4	Surface	1.0	1	29.3	8.0	27.4	5.1	77.7	1.1	1.9	5.1	1.6	2.1		
								2	29.3	8.0	27.4	5.1	77.5	1.0	2.8					
						Middle	5.2	1	29.2	8.0	27.5	5.1	77.2	1.3	2.5					
						Bottom	9.4	1	29.2	8.0	27.5	5.1	77.4	1.3	1.7					
			2	29.3	8.0	27.5	5.1	78.2	2.3	2.3										
			2	29.3	8.0	27.5	5.2	78.5	2.4	1.4										
	TCE-WQM3A	Misty	Calm	10:03	4.0	Surface	1.0	1	29.8	7.9	27.9	5.4	82.4	3.3	2.0	5.4	3.8	2.4		
								2	29.7	7.9	28.0	5.4	82.7	3.4	3.0					
						Bottom	3.0	1	29.4	8.0	28.2	5.5	83.7	4.4	1.9					
								2	29.3	8.0	28.4	5.5	84.6	4.3	2.6					
	TCE-WQM4	Misty	Calm	10:13	3.6	Surface	1.0	1	30.1	7.9	27.8	5.2	79.9	4.2	3.7	5.2	4.7	3.4		
								2	30.1	7.9	27.8	5.2	80.3	4.3	2.0					
						Bottom	2.6	1	30.2	7.9	27.8	5.3	81.2	5.1	3.4					
								2	30.2	7.9	27.8	5.3	81.4	5.1	4.5					
	2021-09-17	Mid-Flood	TCE-C1	Misty	Calm	16:17	8.0	Surface	1.0	1	28.9	8.0	31.0	4.4	68.5	5.8	1.9	4.1	7.0	2.4
										2	28.9	8.0	31.2	4.4	67.7	5.8	2.1			
								Middle	4.0	1	27.3	8.0	32.9	3.7	56.6	7.1	2.2			
								Bottom	7.0	1	27.3	8.0	33.0	3.7	56.3	7.2	2.7			
					2	27.2	8.0	33.1	4.0	60.7	8.1	2.5								
					2	27.2	8.0	33.1	4.2	62.9	8.1	3.0								
			TCE-C2	Misty	Calm	18:03	12.6	Surface	1.0	1	29.8	8.0	27.0	5.6	85.9	2.0	3.2	5.6	3.2	3.8
										2	29.8	8.0	27.0	5.6	85.5	2.1	2.8			
								Middle	6.3	1	29.7	8.0	27.2	5.6	85.2	3.5	4.4			
								Bottom	11.6	1	29.7	8.0	27.2	5.6	85.9	3.5	4.0			
				2	29.7	8.0	27.3	5.7	87.2	4.2	4.1									
				2	29.7	8.0	27.3	5.7	87.8	4.2	4.5									
TCE-WQM1			Misty	Calm	16:59	8.6	Surface	1.0	1	30.0	8.0	28.8	4.7	73.0	3.9	1.6	4.3	4.6	2.8	
									2	29.9	8.0	29.0	4.6	71.9	3.8	2.1				
							Middle	4.3	1	28.2	8.0	31.1	3.9	59.5	4.6	3.2				
							Bottom	7.6	1	28.2	8.0	31.2	3.9	59.5	4.6	2.3				
				2	28.3	8.0	31.1	4.0	61.2	5.4	3.5									
				2	28.3	8.0	31.0	4.1	62.0	5.4	4.3									
TCE-WQM2a			Misty	Calm	17:31	8.2	Surface	1.0	1	28.7	7.9	29.7	4.6	70.6	6.5	5.9	4.5	7.5	6.5	
									2	28.7	7.9	29.7	4.6	70.6	6.5	6.4				
							Middle	4.1	1	28.2	7.9	30.4	4.3	65.4	7.4	6.4				
							Bottom	7.2	1	28.2	7.9	30.4	4.3	65.5	7.3	6.8				
				2	28.1	7.9	30.6	4.4	67.1	8.5	6.4									
				2	28.1	7.9	30.5	4.5	68.7	8.5	7.2									
TCE-WQM2b		Misty	Calm	17:42	10.2	Surface	1.0	1	29.4	8.0	28.3	5.1	78.1	2.3	7.6	5.1	3.5	6.0		
								2	29.3	8.0	28.4	5.1	77.7	2.3	8.3					
						Middle	5.1	1	29.1	8.0	28.6	5.1	77.9	3.5	5.4					
						Bottom	9.2	1	29.1	8.0	28.6	5.1	78.4	3.4	6.2					
			2	29.8	8.0	28.2	5.3	81.0	4.7	4.4										
			2	29.9	8.0	28.1	5.3	82.1	4.7	4.2										
TCE-WQM3A		Misty	Calm	17:21	4.0	Surface	1.0	1	29.8	8.0	27.4	5.2	80.1	7.9	5.2	5.2	8.0	5.5		
								2	29.7	8.0	27.5	5.3	80.6	8.0	4.5					
						Bottom	3.0	1	29.7	8.0	27.6	5.4	83.0	8.0	6.0					
								2	29.7	8.0	27.6	5.5	84.7	8.1	6.1					
TCE-WQM4		Misty	Calm	17:11	4.0	Surface	1.0	1	29.7	7.9	28.5	4.9	74.9	4.3	4.5	4.8	5.0	4.9		
								2	29.6	7.9	28.6	4.8	73.0	4.3	5.6					
						Bottom	3.0	1	29.4	7.9	28.9	4.5	69.0	5.7	5.1					
								2	29.4	7.9	28.9	4.8	72.9	5.6	4.4					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:56	8.0	Surface	1.0	1	28.3	8.1	30.2	5.7	86.0	4.0	3.2	5.4	7.4	2.6
									2	28.3	8.1	30.3	5.7	85.9	4.2	2.5			
							Middle	4.0	1	28.0	8.0	30.7	5.1	76.6	6.3	2.4			
							Bottom	7.0	1	28.0	8.0	30.7	5.0	76.2	6.3	3.0			
						2	28.0	8.0	30.9	4.9	73.9	12.3	2.4	4.9					
				2	28.0	8.0	30.9	4.9	73.9	11.3	2.2								
		Surface	1.0	1	28.6	8.0	30.5	5.0	76.8	4.5	4.2								
				2	28.6	8.0	30.5	5.0	76.8	4.6	3.4								
						1	28.1	8.0	30.9	4.6	69.9	8.7	3.1	4.8	7.8	3.2			
		Middle	6.7	1	28.1	8.0	30.9	4.6	69.9	8.9	2.9								
				2	28.1	8.0	30.9	4.6	69.9	8.9	2.9								
		Bottom	12.3	1	27.3	8.0	32.1	4.3	65.4	9.9	2.8								
						2	27.3	8.0	32.1	4.4	65.9	9.9	3.0	4.4					
				1	28.5	8.0	30.3	5.0	76.9	6.2	8.8								
				2	28.5	8.0	30.3	5.0	76.9	6.2	8.8								
		Middle	4.4	1	28.5	8.0	30.3	5.1	77.1	6.7	8.4								
						2	28.5	8.0	30.3	5.1	77.2	6.7	7.8	5.1	6.5	8.2			
		Bottom	7.8	1	28.5	8.0	30.3	5.1	78.1	6.7	8.2								
				2	28.5	8.0	30.3	5.1	78.2	6.8	7.3								
		Surface	1.0	1	28.4	8.0	30.5	4.9	75.2	4.6	4.6								
						2	28.4	8.0	30.5	4.9	75.2	4.6	8.8	4.7	5.9	6.8			
		Middle	3.8	1	28.1	7.9	30.9	4.6	69.4	4.7	4.9								
				2	28.1	7.9	30.9	4.6	69.2	4.6	4.5								
		Bottom	6.5	1	27.7	7.9	31.4	4.7	70.4	8.5	9.2								
					2	27.7	7.9	31.4	4.7	70.7	8.5	8.8	4.7						
	Surface	1.0	1	29.0	8.0	30.1	5.1	78.3	3.5	4.3									
			2	28.9	8.0	30.1	5.1	78.2	4.0	8.7									
	Middle	5.6	1	28.4	7.9	30.4	4.7	71.2	10.0	4.0									
					2	28.4	7.9	30.4	4.7	71.1	9.4	4.5	4.9	8.0	5.1				
	Bottom	10.2	1	28.3	7.9	30.5	4.7	70.9	10.4	4.4									
			2	28.3	7.9	30.5	4.7	71.1	10.5	4.8									
	Surface	1.0	1	28.7	8.0	30.1	5.2	78.6	4.8	2.7									
					2	28.6	8.0	30.2	5.1	78.4	4.9	3.5	5.1	4.7	3.2				
	Bottom	3.7	1	28.5	8.0	30.3	5.2	78.5	4.7	2.8									
			2	28.5	8.0	30.3	5.2	78.7	4.6	3.8									
	Surface	1.0	1	28.9	8.0	30.3	5.2	79.5	5.8	4.4									
					2	28.9	8.0	30.3	5.2	79.5	5.9	3.4	5.2	6.2	3.6				
	Bottom	2.4	1	28.9	8.0	30.3	5.2	80.3	6.5	3.6									
			2	28.8	8.0	30.3	5.3	80.6	6.6	2.8									
	Surface	1.0	1	28.2	8.1	30.4	5.6	85.1	3.4	3.2									
					2	28.2	8.1	30.5	5.6	84.9	3.5	4.0	5.4	4.9	3.2				
	Middle	4.3	1	28.0	8.1	31.0	5.2	79.0	5.1	3.5									
			2	28.0	8.1	31.1	5.2	79.0	5.3	3.9									
	Bottom	7.6	1	27.9	8.1	31.3	5.3	81.0	6.2	2.8									
					2	27.9	8.1	31.3	5.4	81.3	6.2	1.9	5.3						
	Surface	1.0	1	27.8	7.9	31.1	4.7	70.5	3.3	3.0									
			2	27.8	7.9	31.1	4.7	70.5	3.1	3.9									
	Middle	7.3	1	26.9	7.9	32.2	4.1	61.4	5.3	3.1									
				2	26.9	7.9	32.2	4.1	61.4	5.3	3.6	4.4	5.2	3.1					
Bottom	13.6	1	26.9	7.9	32.2	4.1	62.0	7.2	3.0										
		2	26.9	7.9	32.2	4.1	62.1	7.3	2.1										
Surface	1.0	1	28.5	8.0	30.4	5.0	75.7	10.5	3.2										
				2	28.5	8.0	30.4	5.0	75.8	10.5	2.4	5.0	11.3	2.4					
Middle	4.1	1	28.5	8.0	30.4	5.0	76.6	11.7	2.1										
		2	28.5	8.0	30.4	5.0	76.9	11.7	3.0										
Bottom	7.2	1	28.5	8.0	30.4	5.2	80.0	11.7	1.9										
				2	28.5	8.0	30.4	5.3	80.3	11.5	1.9	5.3							
Surface	1.0	1	28.4	7.9	30.1	4.8	73.4	3.7	3.9										
		2	28.4	7.9	30.1	4.8	73.4	3.7	3.2										
Middle	3.7	1	28.4	7.9	30.1	4.8	72.3	4.5	2.7										
				2	28.4	7.9	30.2	4.7	72.1	5.2	2.2	4.8	6.0	2.8					
Bottom	6.3	1	27.7	7.9	31.3	4.2	64.1	9.8	2.8										
		2	27.7	7.9	31.3	4.2	64.2	9.5	2.2										
Surface	1.0	1	28.3	7.9	30.4	4.7	70.9	5.5	2.7										
				2	28.3	7.9	30.4	4.7	70.8	5.5	2.2	4.5	7.5	2.9					
Middle	5.8	1	27.7	7.9	31.4	4.3	65.4	8.1	3.2										
		2	27.6	7.9	31.5	4.3	65.2	8.2	2.6										
Bottom	10.6	1	27.4	7.9	31.8	4.3	65.3	8.9	3.4										
				2	27.4	7.9	31.8	4.3	65.5	8.5	3.0	4.3							
Surface	1.0	1	28.5	8.0	30.1	5.0	76.5	4.4	3.2										
		2	28.5	8.0	30.1	5.0	76.5	4.4	2.4										
Bottom	3.7	1	28.4	8.0	30.2	5.2	78.9	3.9	2.6										
				2	28.4	8.0	30.2	5.2	79.3	3.9	2.6	5.2	4.1	2.7					
Surface	1.0	1	28.6	8.0	30.3	5.1	77.4	5.3	4.8										
		2	28.6	8.0	30.3	5.1	77.7	5.4	3.8										
Bottom	2.8	1	28.5	8.0	30.3	5.2	79.8	5.8	3.0										
				2	28.5	8.0	30.3	5.3	80.2	5.9	3.5	5.2	5.6	3.8					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-09-22	Mid-Ebb	TCE-C1	Sunny	Calm	12:06	8.0	Surface	1.0	1	28.0	8.0	31.1	4.7	70.8	6.3	3.6	4.6	7.3	2.9
									2	27.9	8.1	31.4	4.6	70.4	6.3	4.0			
							Middle	4.0	1	28.0	8.1	31.5	4.6	70.5	7.0	2.9			
							Bottom	7.0	1	28.1	8.1	31.4	4.6	70.8	7.1	3.0			
				2	28.4	8.1	31.3	4.7	72.4	8.5	2.3								
				2	28.9	7.9	29.6	4.8	73.9	8.5	1.8								
				2	28.9	7.9	29.6	4.8	73.1	7.1	2.4								
				2	28.9	7.9	29.6	4.8	72.9	7.1	2.0								
				1	28.9	7.9	29.6	4.8	72.7	8.6	3.1								
				2	29.0	7.9	29.6	4.7	72.7	8.7	2.4								
				1	29.2	7.9	29.5	5.0	76.3	10.0	3.9								
				2	29.2	7.9	29.5	5.0	76.6	9.9	3.2								
	TCE-C2	Sunny	Calm	13:44	12.6	Surface	1.0	1	28.9	7.9	29.6	4.8	73.1	7.1	2.4	4.8	8.6	2.8	
								2	28.9	7.9	29.6	4.8	72.9	7.1	2.0				
						Middle	6.3	1	28.9	7.9	29.6	4.8	72.7	8.6	3.1				
						Bottom	11.6	1	29.0	7.9	29.6	4.7	72.7	8.7	2.4				
			2	29.2	7.9	29.5	5.0	76.3	10.0	3.9									
			2	29.2	7.9	29.5	5.0	76.6	9.9	3.2									
	TCE-WQM1	Sunny	Calm	12:38	8.6	Surface	1.0	1	29.0	8.0	30.2	5.1	78.9	5.6	2.6	5.2	6.6	3.2	
								2	29.0	8.0	30.2	5.2	79.0	5.6	2.9				
						Middle	4.3	1	29.0	8.0	30.2	5.2	79.5	6.6	2.4				
						Bottom	7.6	1	29.0	8.0	30.2	5.2	79.9	6.6	3.0				
			2	28.8	8.0	30.2	5.6	85.6	7.6	3.9									
			2	28.8	8.0	30.3	5.7	86.8	7.6	4.6									
TCE-WQM2a	Sunny	Calm	13:12	8.2	Surface	1.0	1	29.1	8.0	29.9	5.3	81.9	6.6	4.2	5.3	8.1	4.3		
							2	29.1	8.0	29.9	5.3	81.9	6.6	5.2					
					Middle	4.1	1	29.0	8.0	29.9	5.3	82.0	8.7	4.1					
					Bottom	7.2	1	29.1	8.0	29.9	5.4	82.6	8.6	4.0					
		2	29.3	8.0	29.8	5.6	85.8	9.1	4.1										
		2	29.4	8.0	29.7	5.6	87.1	9.1	4.1										
TCE-WQM2b	Sunny	Calm	13:22	10.2	Surface	1.0	1	28.9	8.0	29.6	4.9	75.1	6.3	3.7	4.9	7.4	4.0		
							2	28.9	8.0	29.6	4.9	74.9	6.4	3.2					
					Middle	5.1	1	28.8	8.0	29.7	4.9	75.1	7.8	4.0					
					Bottom	9.2	1	28.8	8.0	29.7	4.9	75.5	7.7	3.4					
		2	28.8	8.0	29.7	5.3	81.5	8.2	4.2										
		2	28.8	8.0	29.7	5.4	83.0	8.1	5.2										
TCE-WQM3A	Sunny	Calm	13:02	4.0	Surface	1.0	1	29.3	8.0	29.9	5.1	78.9	6.0	1.7	5.1	6.5	4.3		
							2	29.3	8.0	29.9	5.1	78.7	6.1	5.1					
					Bottom	3.0	1	29.3	8.0	29.9	5.3	81.3	7.0	4.6					
							2	29.4	8.0	29.9	5.3	81.6	7.1	5.7					
TCE-WQM4	Sunny	Calm	12:51	4.0	Surface	1.0	1	29.2	8.0	29.9	5.3	82.0	8.3	4.0	5.3	8.7	4.1		
							2	29.1	8.0	29.9	5.3	82.0	8.3	5.1					
					Bottom	3.0	1	29.0	8.0	29.9	5.4	82.9	9.1	3.5					
							2	29.0	8.0	29.9	5.7	87.9	9.0	3.8					
		2	29.0	8.0	29.9	5.7	87.9	9.0	3.8										
2021-09-22	Mid-Flood	TCE-C1	Sunny	Calm	9:14	8.0	Surface	1.0	1	28.0	8.1	31.2	4.7	71.9	7.3	5.6	4.7	8.3	4.8
									2	28.0	8.1	31.3	4.7	71.7	7.3	4.9			
							Middle	4.0	1	27.9	8.1	31.5	4.8	72.2	8.2	4.7			
							Bottom	7.0	1	27.9	8.1	31.6	4.8	72.4	8.2	5.6			
				2	27.9	8.1	31.7	4.8	73.4	9.5	4.1								
				2	27.9	8.1	31.6	4.9	73.9	9.4	3.9								
		TCE-C2	Sunny	Calm	7:12	12.8	Surface	1.0	1	27.7	7.9	31.2	4.2	62.8	4.6	3.1	4.1	5.7	3.9
									2	27.7	7.9	31.2	4.1	62.6	4.6	3.3			
							Middle	6.4	1	27.5	7.9	31.5	4.1	61.7	5.7	3.0			
							Bottom	11.8	1	27.5	7.9	31.5	4.1	61.7	5.8	3.9			
				2	27.5	7.9	31.5	4.1	62.3	6.9	4.7								
				2	27.5	7.9	31.4	4.2	62.7	6.8	5.4								
	TCE-WQM1	Sunny	Calm	8:32	8.2	Surface	1.0	1	29.1	8.0	29.8	5.3	82.0	4.4	3.1	5.5	4.5	4.5	
								2	29.1	8.0	29.7	5.4	83.1	4.3	5.3				
						Middle	4.1	1	29.1	8.0	29.7	5.6	85.5	5.1	4.4				
						Bottom	7.2	1	29.1	8.0	29.7	5.5	78.1	5.1	5.1				
			2	29.1	8.0	29.8	5.1	78.3	4.1	5.0									
			2	29.1	8.0	29.8	5.1	78.4	4.0	4.2									
	TCE-WQM2a	Sunny	Calm	7:54	7.0	Surface	1.0	1	28.5	7.9	30.2	4.7	71.3	6.0	4.2	4.7	7.6	3.6	
								2	28.5	7.9	30.2	4.7	71.3	6.0	3.5				
						Middle	3.5	1	28.5	7.9	30.2	4.7	71.9	7.9	3.8				
						Bottom	6.0	1	28.5	7.9	30.2	4.7	72.0	8.0	3.9				
			2	28.5	7.9	30.2	4.7	72.3	8.8	2.7									
			2	28.5	7.9	30.2	4.8	72.4	8.7	3.2									
TCE-WQM2b	Sunny	Calm	7:43	10.4	Surface	1.0	1	28.5	7.9	30.2	4.8	72.8	8.1	2.9	4.8	9.2	2.7		
							2	28.5	7.9	30.2	4.8	72.8	8.0	3.2					
					Middle	5.2	1	28.5	7.9	30.3	4.8	73.3	9.1	3.0					
					Bottom	9.4	1	28.5	7.9	30.3	4.8	73.5	9.1	2.4					
		2	28.4	7.9	30.4	5.2	79.1	10.5	2.6										
		2	28.3	7.9	30.4	5.3	79.9	10.6	2.3										
TCE-WQM3A	Sunny	Calm	8:06	4.0	Surface	1.0	1	29.0	8.0	29.8	5.3	81.6	4.4	5.7	5.3	4.9	5.7		
							2	28.9	8.0	29.9	5.4	81.9	4.3	5.0					
					Bottom	3.0	1	28.8	8.0	30.0	5.6	85.5	5.5	5.9					
							2	28.7	8.0	30.0	5.7	87.2	5.5	6.0					
TCE-WQM4	Sunny	Calm	8:16	3.6	Surface	1.0	1	29.1	8.0	29.8	5.1	78.8	5.9	3.9	5.1	4.8	4.8		
							2	29.1	8.0	29.8	5.1	78.9	5.8	4.5					
					Bottom	2.6	1	29.0	8.0	29.8	5.3	80.8	3.8	5.1					
							2	29.0	8.0	29.8	5.3	81.0	3.9	5.7					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-09-24	Mid-Ebb	TCE-C1	Sunny	Rough	13:10	8.2	Surface	1.0	1	28.7	8.1	30.8	5.8	88.3	4.1	5.0	5.6	5.0	5.8
									2	28.7	8.1	30.8	5.8	88.3	4.1	5.1			
							Middle	4.1	1	28.2	8.0	30.9	5.3	81.3	5.1	5.4			
							Bottom	7.2	1	28.2	8.0	30.9	5.4	81.5	5.0	6.0			
				2	28.1	8.0	31.1	5.0	76.8	5.8	6.6								
				2	28.1	8.0	31.1	5.0	76.5	5.7	6.4								
		TCE-C2	Fine	Rough	15:12	15.6	Surface	1.0	1	29.2	7.9	29.7	5.3	80.9	3.5	4.1	4.9	6.4	5.4
								2	29.2	7.9	29.7	5.3	80.9	3.4	4.3				
		Middle					7.8	1	28.4	7.9	30.4	4.5	68.1	5.2	5.9				
		Bottom					14.6	1	28.4	7.9	30.4	4.5	68.2	5.3	5.6				
				2	28.4	7.9	30.3	4.5	68.2	10.4	6.1								
				2	28.4	7.9	30.3	4.5	68.3	10.4	6.2								
	TCE-WQM1	Sunny	Rough	13:56	8.9	Surface	1.0	1	29.4	8.0	29.9	5.4	83.1	5.0	5.6	5.3	5.9	6.7	
							2	29.4	8.0	29.9	5.4	83.1	5.0	5.8					
	Middle					4.5	1	28.7	8.0	30.5	5.3	80.9	5.6	6.9					
	Bottom					7.9	1	28.7	8.0	30.5	5.3	80.8	5.7	6.9					
			2	28.6	8.0	30.6	5.2	79.8	7.2	7.2									
			2	28.6	8.0	30.6	5.2	79.9	7.1	7.5									
	TCE-WQM2a	Fine	Rough	14:34	7.3	Surface	1.0	1	29.3	8.0	29.6	5.6	85.4	4.0	4.4	5.3	4.2	5.4	
							2	29.3	8.0	29.6	5.6	85.4	4.0	4.6					
	Middle					3.7	1	28.9	7.9	29.6	5.1	78.0	3.9	5.4					
	Bottom					6.3	1	28.9	7.9	29.6	5.1	78.0	3.9	5.0					
			2	28.8	7.9	29.8	4.8	73.9	4.6	6.4									
			2	28.8	7.9	29.9	4.8	73.6	4.6	6.3									
TCE-WQM2b	Fine	Rough	14:47	13.0	Surface	1.0	1	29.4	7.9	28.9	5.5	83.8	4.3	5.5	5.1	7.1	11.1		
						2	29.4	7.9	28.9	5.5	83.8	4.3	5.1						
Middle					6.5	1	28.8	7.9	29.6	4.8	73.4	7.2	9.2						
Bottom					12.0	1	28.8	7.9	29.6	4.8	73.5	7.2	9.5						
		2	28.8	7.9	29.6	4.8	73.6	9.6	19.0										
		2	28.8	7.9	29.6	4.8	73.7	9.7	18.2										
TCE-WQM3A	Fine	Rough	14:22	4.3	Surface	1.0	1	29.4	7.9	29.4	5.4	82.6	4.8	4.7	5.4	6.3	6.3		
						2	29.4	7.9	29.4	5.4	82.4	4.8	4.5						
Bottom					3.3	1	29.2	7.9	29.4	5.2	80.0	7.8	7.9						
						2	29.2	7.9	29.4	5.2	80.0	7.9	7.9						
TCE-WQM4	Sunny	Rough	14:09	4.4	Surface	1.0	1	29.4	7.9	29.6	5.5	84.2	5.6	5.3	5.5	7.6	7.8		
						2	29.4	7.9	29.6	5.5	84.2	5.6	5.8						
Bottom					3.4	1	29.2	7.9	29.5	5.3	81.2	9.7	9.7						
						2	29.2	7.9	29.5	5.3	81.2	9.6	10.2						
2021-09-24	Mid-Flood	TCE-C1	Cloudy	Rough	9:35	8.9	Surface	1.0	1	28.6	8.0	30.1	5.5	83.8	3.6	5.6	5.3	6.9	8.7
									2	28.6	8.0	30.1	5.5	83.8	3.5	5.2			
							Middle	4.5	1	28.3	8.0	30.8	5.1	77.1	8.2	9.9			
							Bottom	7.9	1	28.3	8.0	30.8	5.1	77.1	8.2	9.8			
				2	27.9	8.0	31.8	4.6	70.6	8.9	10.4								
				2	27.9	8.0	31.8	4.6	70.7	8.9	11.2								
		TCE-C2	Fine	Rough	7:38	13.6	Surface	1.0	1	28.7	7.9	29.8	4.7	72.3	3.5	5.5	4.5	8.7	6.1
								2	28.7	7.9	29.8	4.7	72.3	3.5	5.8				
		Middle					6.8	1	28.3	7.9	30.5	4.3	65.2	13.2	6.0				
		Bottom					12.6	1	28.3	7.9	30.5	4.3	65.3	13.2	5.7				
				2	28.1	7.9	30.8	4.1	62.9	9.5	6.4								
				2	28.1	7.9	30.8	4.1	62.9	9.6	7.0								
	TCE-WQM1	Cloudy	Moderate	8:49	8.8	Surface	1.0	1	29.0	7.9	29.9	5.1	77.7	4.2	3.8	5.1	5.9	3.1	
							2	29.0	7.9	29.9	5.1	77.7	4.2	3.5					
	Middle					4.4	1	28.9	7.9	29.9	5.0	77.1	5.7	3.1					
	Bottom					7.8	1	28.9	7.9	29.9	5.0	77.1	5.7	3.5					
			2	28.9	7.9	30.0	5.0	75.9	7.9	2.0									
			2	28.9	7.9	30.0	4.9	75.6	7.9	2.5									
	TCE-WQM2a	Cloudy	Moderate	8:14	7.1	Surface	1.0	1	28.8	7.9	29.5	5.0	76.0	5.7	7.1	5.0	6.6	7.4	
							2	28.8	7.9	29.5	5.0	76.0	5.7	7.0					
	Middle					3.6	1	28.8	7.9	29.5	5.0	75.5	6.3	7.2					
	Bottom					6.1	1	28.8	7.9	29.5	5.0	75.5	6.3	7.4					
			2	28.8	7.9	29.5	4.9	75.4	7.8	7.7									
			2	28.8	7.9	29.5	4.9	75.4	7.7	8.1									
TCE-WQM2b	Fine	Rough	8:00	11.1	Surface	1.0	1	28.8	7.9	29.6	4.8	73.3	5.2	12.3	4.8	6.3	11.5		
						2	28.8	7.9	29.6	4.8	73.3	5.4	12.7						
Middle					5.6	1	28.8	7.9	29.6	4.8	73.0	4.6	11.3						
Bottom					10.1	1	28.8	7.9	29.6	4.8	73.0	4.6	11.0						
		2	28.8	7.9	29.5	4.8	73.0	9.1	10.8										
		2	28.8	7.9	29.5	4.8	73.0	9.1	10.7										
TCE-WQM3A	Cloudy	Moderate	8:27	4.7	Surface	1.0	1	28.8	7.9	29.7	4.9	75.2	5.0	6.2	4.9	6.5	7.3		
						2	28.8	7.9	29.7	4.9	75.3	4.9	6.7						
Bottom					3.7	1	28.8	7.9	29.7	4.9	75.4	8.0	8.0						
						2	28.8	7.9	29.7	4.9	75.4	8.0	8.1						
TCE-WQM4	Cloudy	Moderate	8:37	4.1	Surface	1.0	1	28.9	7.9	29.7	5.0	76.6	4.3	10.4	5.0	5.5	7.7		
						2	28.9	7.9	29.7	5.0	76.6	4.3	10.3						
Bottom					3.1	1	28.8	7.9	29.7	4.9	75.0	6.7	5.2						
						2	28.8	7.9	29.7	4.9	75.1	6.7	4.7						

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)
2021-09-27	Mid-Ebb	TCE-C1	Sunny	Rough	14:37	8.5	Surface	1.0	1	29.0	8.0	29.8	5.8	88.7	4.4	3.6	5.7	7.3	4.6
									2	29.0	8.0	29.8	5.8	88.8	4.4	3.2			
							Middle	4.3	1	29.0	8.1	31.6	5.6	87.3	6.6	4.4			
							Bottom	7.5	1	29.0	8.1	31.7	5.6	86.3	10.9	5.8			
				2	29.0	8.1	31.7	5.6	86.3	10.9	6.0								
		TCE-C2	Sunny	Rough	16:49	16.1	Surface	1.0	1	29.7	7.9	29.2	6.1	94.9	3.5	1.5	5.4	4.6	2.5
									2	29.7	7.9	29.2	6.1	94.8	3.5	1.8			
							Middle	8.1	1	28.3	7.8	30.6	4.6	69.8	4.2	2.6			
							Bottom	15.1	1	28.3	7.8	30.6	4.6	69.8	4.2	2.7			
				2	28.3	7.8	30.6	4.5	68.0	6.3	3.0								
		TCE-WQM1	Sunny	Moderate	15:30	9.6	Surface	1.0	1	29.2	7.9	29.8	5.9	90.0	5.5	6.0	5.8	6.0	5.4
									2	29.2	7.9	29.8	5.9	90.0	5.5	6.2			
	Middle						4.8	1	29.1	7.9	29.8	5.8	88.7	5.5	5.3				
	Bottom						8.6	1	29.0	7.9	29.9	5.7	87.8	7.1	4.8				
			2	29.0	7.9	29.9	5.7	87.9	7.1	5.0									
	TCE-WQM2a	Sunny	Rough	16:08	7.6	Surface	1.0	1	28.9	7.8	29.5	5.4	82.0	4.1	5.1	5.3	6.5	4.1	
								2	28.9	7.8	29.5	5.4	82.0	4.1	4.7				
						Middle	3.8	1	28.9	7.8	29.5	5.3	80.4	6.2	3.9				
						Bottom	6.6	1	28.6	7.8	29.9	4.9	74.5	9.3	3.7				
			2	28.6	7.8	29.9	4.9	74.5	9.3	3.6									
	TCE-WQM2b	Sunny	Rough	16:24	11.4	Surface	1.0	1	29.1	7.8	29.2	5.8	88.1	4.1	1.6	5.6	4.6	3.0	
								2	29.1	7.8	29.2	5.8	88.1	4.1	1.9				
						Middle	5.7	1	28.9	7.8	29.3	5.5	84.3	4.6	2.8				
						Bottom	10.4	1	28.8	7.8	29.4	5.3	81.5	5.2	4.4				
		2	28.8	7.8	29.4	5.3	81.5	5.2	3.9										
TCE-WQM3A	Sunny	Moderate	15:56	5.4	Surface	1.0	1	29.8	7.9	29.1	6.1	94.3	4.7	2.8	6.1	6.0	3.3		
							2	29.8	7.9	29.1	6.1	94.2	4.7	2.8					
					Bottom	4.4	1	29.1	7.8	29.3	5.5	84.6	7.4	3.6					
		2	29.1	7.8	29.3	5.5	84.8	7.4	3.9										
TCE-WQM4	Sunny	Moderate	15:44	5.1	Surface	1.0	1	29.2	7.9	29.4	6.2	95.0	4.8	2.7	6.2	6.8	3.1		
							2	29.2	7.9	29.4	6.2	95.0	4.8	2.3					
					Bottom	4.1	1	29.0	7.8	29.6	5.7	86.6	8.9	3.5					
		2	29.0	7.8	29.6	5.7	86.7	8.9	3.8										
2021-09-27	Mid-Flood	TCE-C1	Fine	Rough	11:47	8.1	Surface	1.0	1	28.9	8.0	29.3	5.8	87.8	4.6	3.0	5.6	6.6	2.6
									2	28.9	8.0	29.2	5.8	87.8	4.6	3.2			
							Middle	4.1	1	28.9	8.0	30.3	5.5	83.8	6.2	2.5			
							Bottom	7.1	1	28.9	8.0	30.3	5.5	83.8	6.2	2.7			
				2	28.9	8.0	30.4	5.5	84.5	9.2	2.0								
		TCE-C2	Sunny	Moderate	9:46	15.8	Surface	1.0	1	28.8	7.9	29.4	5.3	80.4	4.3	4.1	5.2	5.5	3.2
									2	28.8	7.9	29.4	5.3	80.4	4.3	3.9			
							Middle	7.9	1	28.7	7.9	29.6	5.1	76.9	5.5	3.1			
							Bottom	14.8	1	28.5	7.9	30.2	4.7	71.8	6.7	2.3			
				2	28.5	7.9	30.2	4.7	71.8	6.7	2.6								
		TCE-WQM1	Fine	Moderate	11:03	9.1	Surface	1.0	1	29.0	8.0	29.5	5.5	84.2	4.9	2.6	5.5	6.7	3.5
									2	29.0	8.0	29.5	5.5	84.2	4.9	2.5			
	Middle						4.6	1	28.9	8.0	29.6	5.5	83.7	5.9	3.8				
	Bottom						8.1	1	28.7	8.0	29.9	5.5	84.3	9.2	4.4				
			2	28.7	8.0	29.9	5.5	84.3	9.2	4.1									
	TCE-WQM2a	Fine	Moderate	10:28	6.2	Surface	1.0	1	28.8	8.0	29.2	5.5	84.5	3.4	3.6	5.5	6.6	2.8	
								2	28.8	8.0	29.2	5.5	84.5	3.4	3.7				
						Middle	3.1	1	28.8	8.0	29.3	5.5	83.4	7.2	2.7				
						Bottom	5.2	1	28.8	8.0	29.3	5.5	83.5	7.2	2.8				
			2	28.8	8.0	29.4	5.4	82.0	9.3	1.8									
	TCE-WQM2b	Sunny	Moderate	10:14	10.8	Surface	1.0	1	29.0	8.0	28.8	5.6	86.0	4.0	3.4	5.6	4.6	2.7	
								2	29.0	8.0	28.8	5.6	86.0	4.0	3.0				
						Middle	5.4	1	29.0	8.0	28.9	5.6	85.7	4.7	3.1				
						Bottom	9.8	1	28.9	8.0	28.9	5.6	85.0	5.0	2.1				
		2	28.9	8.0	28.9	5.6	85.0	5.0	1.8										
TCE-WQM3A	Fine	Calm	10:39	4.2	Surface	1.0	1	28.8	8.0	29.2	5.6	85.8	4.8	3.6	5.6	5.9	3.0		
							2	28.8	8.0	29.2	5.6	85.8	4.8	3.3					
					Bottom	3.2	1	28.8	8.0	29.4	5.4	82.5	6.9	2.7					
		2	28.8	8.0	29.4	5.4	82.6	6.9	2.4										
TCE-WQM4	Fine	Calm	10:49	4.0	Surface	1.0	1	28.9	8.0	29.5	5.4	82.7	6.1	2.2	5.4	7.6	2.3		
							2	28.9	8.0	29.5	5.4	82.7	6.1	2.1					
					Bottom	3.0	1	28.8	8.0	29.5	5.4	82.4	9.0	2.4					
		2	28.8	8.0	29.5	5.4	82.5	9.1	2.4										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-09-29	Mid-Ebb	TCE-C1	Cloudy	Moderate	7:43	8.6	Surface	1.0	1	29.6	8.1	27.4	5.9	90.7	6.0	4.1	5.7	5.8	5.2
									2	29.6	8.1	27.6	5.9	90.5	5.9	3.6			
							Middle	4.3	1	29.5	8.1	28.3	5.5	84.4	5.3	5.7			
							Bottom	7.6	1	29.4	8.1	29.1	5.5	84.8	6.1	6.0			
						2	29.4	8.1	29.1	5.5	84.9	5.9	6.6	5.5					
		Surface	1.0	1	29.6	8.0	26.2	6.1	93.2	2.6	1.4								
				2	29.6	8.0	26.2	6.1	93.2	2.6	1.0								
		Middle	6.6	1	29.5	7.9	27.4	5.7	86.3	3.0	2.1								
						2	29.5	7.9	27.5	5.7	86.2	3.1	1.7	4.8					
		Bottom	12.2	1	28.9	7.9	29.6	4.8	73.2	4.7	2.0								
				2	28.9	7.9	29.6	4.8	73.2	4.6	2.4								
		Surface	1.0	1	29.8	8.0	28.5	6.2	95.5	3.5	2.0								
						2	29.8	8.0	28.6	6.2	95.4	3.6	2.4	6.1					
		Middle	4.3	1	29.7	8.0	29.0	6.0	93.1	5.3	3.5								
				2	29.7	8.0	29.1	6.0	92.8	5.7	4.2								
		Bottom	7.5	1	29.7	8.0	29.2	5.9	91.7	9.0	3.2								
						2	29.7	8.0	29.2	5.9	91.8	9.0	3.0	5.9					
		Surface	1.0	1	29.5	8.0	27.6	6.1	93.1	3.4	2.1								
				2	29.5	8.0	27.6	6.1	93.1	3.4	2.4								
		Middle	3.1	1	29.5	8.0	28.2	6.0	92.3	5.8	1.6								
						2	29.5	8.0	28.2	6.0	92.3	6.2	1.9	6.1					
		Bottom	5.2	1	29.5	8.0	28.6	5.9	91.1	7.4	1.1								
				2	29.5	8.0	28.5	5.9	91.0	7.0	1.7								
		Surface	1.0	1	29.8	8.0	26.5	6.0	91.9	3.1	1.5								
					2	29.8	8.0	26.5	6.0	91.6	3.2	1.6	6.0						
	Middle	6.0	1	29.7	8.0	27.0	5.9	90.0	4.2	1.4									
			2	29.7	8.0	27.0	5.9	90.0	4.3	1.0									
	Bottom	10.9	1	29.7	8.0	27.0	5.9	90.5	4.9	0.9									
					2	29.7	8.0	27.0	5.9	90.6	4.8	1.2	5.9						
	Surface	1.0	1	29.6	8.0	27.5	6.1	92.8	4.4	3.8									
			2	29.6	8.0	27.5	6.1	92.7	4.6	4.0									
	Bottom	3.7	1	29.5	8.0	27.8	6.1	92.6	6.9	2.6									
					2	29.5	8.0	27.8	6.1	92.8	6.9	2.1	6.1						
	Surface	1.0	1	29.7	8.0	28.6	6.2	96.2	4.3	3.6									
			2	29.7	8.0	28.7	6.2	96.2	4.4	3.5									
	Bottom	2.1	1	29.7	8.1	29.0	6.3	96.8	5.0	4.0									
					2	29.7	8.1	29.0	6.3	96.8	5.0	3.3	6.3						
	Surface	1.0	1	29.5	8.1	27.8	5.9	89.4	8.4	7.0									
			2	29.5	8.1	27.9	5.8	88.6	8.2	7.3									
	Middle	4.2	1	29.5	8.1	28.8	5.4	82.2	5.1	8.4									
					2	29.5	8.1	28.9	5.3	82.0	5.2	4.7	5.6						
	Bottom	7.4	1	29.4	8.1	29.6	5.3	81.7	7.3	6.1									
			2	29.4	8.1	29.6	5.3	81.9	8.0	6.8									
	Surface	1.0	1	29.7	8.0	27.9	6.0	91.4	3.1	2.1									
					2	29.7	8.0	27.9	5.9	91.0	3.1	2.7	5.3						
	Middle	7.0	1	28.8	8.0	30.1	4.6	70.9	6.1	1.5									
			2	28.8	8.0	30.1	4.6	70.6	6.3	2.4									
	Bottom	12.9	1	28.7	8.0	30.7	4.7	71.3	9.2	2.0									
				2	28.7	8.0	30.6	4.7	71.5	9.4	1.7	4.7							
Surface	1.0	1	30.1	8.1	28.3	6.5	100.0	5.2	3.5										
		2	30.1	8.1	28.4	6.5	100.0	5.5	4.1										
Middle	4.3	1	29.8	8.1	28.9	6.2	95.8	8.7	2.9										
				2	29.8	8.1	28.9	6.2	95.9	8.7	3.4	6.3							
Bottom	7.6	1	29.8	8.1	28.9	6.3	97.4	9.4	3.4										
		2	29.8	8.1	28.9	6.3	97.6	9.3	2.9										
Surface	1.0	1	30.0	8.0	26.8	6.5	100.2	3.5	2.8										
				2	30.0	8.0	26.8	6.5	100.2	3.5	2.5	6.3							
Middle	3.2	1	29.7	8.0	27.7	6.1	92.8	7.3	2.7										
		2	29.7	8.0	27.7	6.1	92.8	7.2	2.9										
Bottom	5.4	1	29.7	8.0	27.7	6.1	92.8	10.6	3.4										
				2	29.7	8.0	27.7	6.1	92.8	10.5	4.0	6.1							
Surface	1.0	1	29.5	8.0	28.1	5.9	89.6	5.3	2.6										
		2	29.5	8.0	28.2	5.8	89.1	5.8	2.7										
Middle	5.8	1	29.1	7.9	29.2	4.8	74.1	8.2	2.5										
				2	29.1	7.9	29.3	4.8	74.0	8.3	2.1	5.3							
Bottom	10.6	1	29.1	7.9	29.4	4.8	74.1	8.8	1.9										
		2	29.1	7.9	29.3	4.9	74.3	8.7	1.5										
Surface	1.0	1	30.0	8.0	27.2	6.3	96.4	8.3	3.5										
				2	30.0	8.0	27.3	6.3	96.1	8.6	3.8	6.3							
Bottom	3.0	1	29.9	8.1	27.6	6.2	95.5	10.2	2.9										
		2	29.9	8.1	27.6	6.2	95.4	10.8	2.6										
Surface	1.0	1	30.0	8.0	27.3	6.4	98.1	5.1	1.3										
				2	30.0	8.0	27.3	6.4	98.0	5.1	1.6	6.4							
Bottom	2.4	1	29.9	8.1	27.6	6.3	97.2	7.3	2.0										
		2	29.9	8.1	27.5	6.3	97.3	7.3	2.8										
Surface	1.0	1	29.5	8.1	27.7	6.1	92.7	4.4	3.8										
				2	29.5	8.0	27.5	6.1	92.7	4.6	4.0	6.1							
Bottom	3.7	1	29.5	8.0	27.8	6.1	92.6	6.9	2.6										
		2	29.5	8.0	27.8	6.1	92.8	6.9	2.1										
Surface	1.0	1	29.7	8.0	28.6	6.2	96.2	4.3	3.6										
				2	29.7	8.0	28.7	6.2	96.2	4.4	3.5	6.2							
Bottom	2.1	1	29.7	8.1	29.0	6.3	96.8	5.0	4.0										
		2	29.7	8.1	29.0	6.3	96.8	5.0	3.3										
Surface	1.0	1	29.5	8.1	27.8	5.9	89.4	8.4	7.0										
				2	29.5	8.1	27.9	5.8	88.6	8.2	7.3	5.6							
Middle	4.2	1	29.5	8.1	28.8	5.4	82.2	5.1	8.4										
		2	29.5	8.1	28.9	5.3	82.0	5.2	4.7										
Bottom	7.4	1	29.4	8.1	29.6	5.3	81.7	7.3	6.1										
				2	29.4	8.1	29.6	5.3	81.9	8.0	6.8	5.3							
Surface	1.0	1	29.7	8.0	27.9	6.0	91.4	3.1	2.1										
		2	29.7	8.0	27.9	5.9	91.0	3.1	2.7										
Middle	7.0	1	28.8	8.0	30.1	4.6	70.9	6.1	1.5										
				2	28.8	8.0	30.1	4.6	70.6	6.3	2.4	4.7							
Bottom	12.9	1	28.7	8.0	30.7	4.7	71.3	9.2	2.0										
		2	28.7	8.0	30.6	4.7	71.5	9.4	1.7										
Surface	1.0	1	30.1	8.1	28.3	6.5	100.0	5.2	3.5										
				2	30.1	8.1	28.4	6.5	100.0	5.5	4.1	6.3							
Middle	4.3	1	29.8	8.1	28.9	6.2	95.8	8.7	2.9										
		2	29.8	8.1	28.9	6.2	95.9	8.7	3.4										
Bottom	7.6	1	29.8	8.1	28.9	6.3	97.4	9.4	3.4										
				2	29.8	8.1	28.9	6.3	97.6	9.3	2.9	6.3							
Surface	1.0	1	30.0	8.0	26.8	6.5	100.2	3.5	2.8										
		2	30.0	8.0	26.8	6.5	100.2	3.5	2.5										
Middle	3.2	1	29.7	8.0	27.7	6.1	92.8	7.3	2.7										
				2	29.7	8.0	27.7	6.1	92.8	7.2	2.9	6.3							
Bottom	5.4	1	29.7	8.0	27.7	6.1	92.8	10.6	3.4										
		2	29.7	8.0	27.7	6.1	92.8	10.5	4.0										
Surface	1.0	1	29.5	8.0	28.1	5.9	89.6	5.3	2.6										
				2	29.5	8.0	28.2	5.8	89.1	5.8	2.7	5.3							
Middle	5.8	1	29.1	7.9	29.2	4.8	74.1	8.2	2.5										
		2	29.1	7.9	29.3	4.8	74.0	8.3	2.1										
Bottom	10.6	1	29.1	7.9	29.4	4.8	74.1	8.8	1.9										
				2	29.1	7.9	29.3	4.9	74.3	8.7	1.5	4.8							
Surface	1.0	1	30.0	8.0	27.2	6.3	96.4	8.3	3.5										
		2	30.0	8.0	27.3	6.3	96.1	8.6	3.8										
Bottom	3.0	1	29.9	8.1	27.6	6.2	95.5	10.2	2.9										