

Annex G3

Monitoring Results for Water Quality

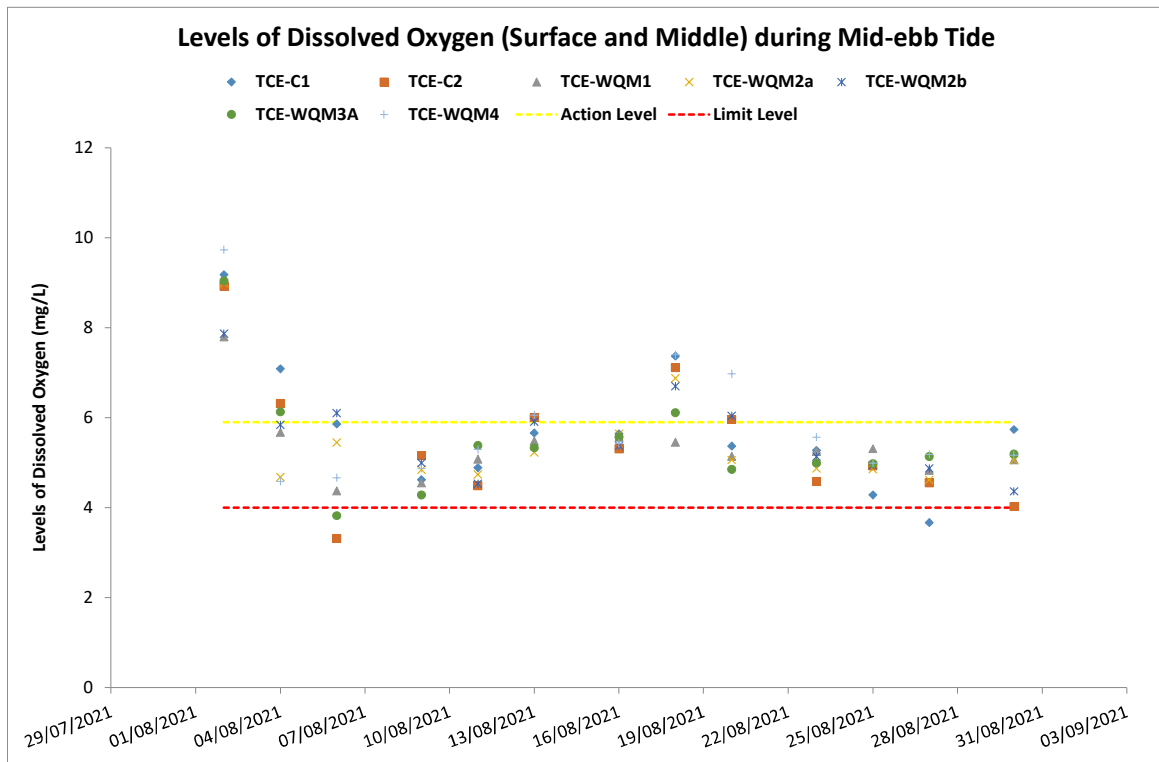


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2021

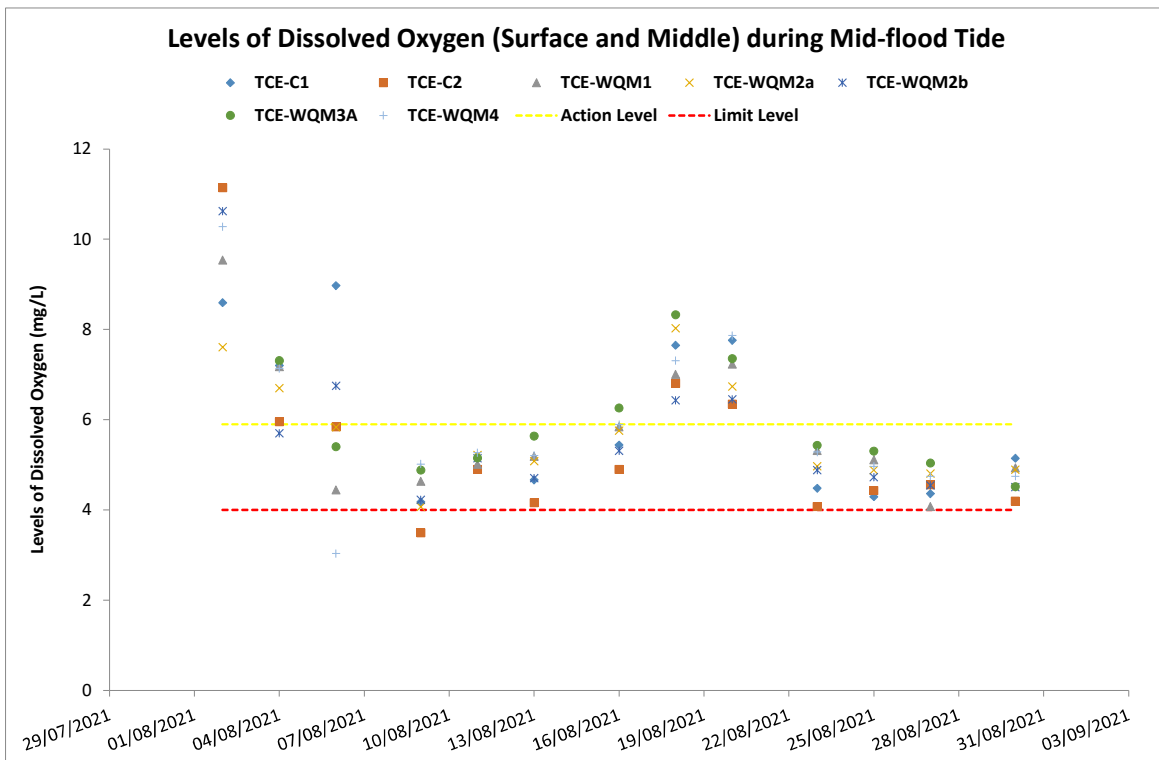


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2021

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

Date: August 2021

**Environmental
Resources
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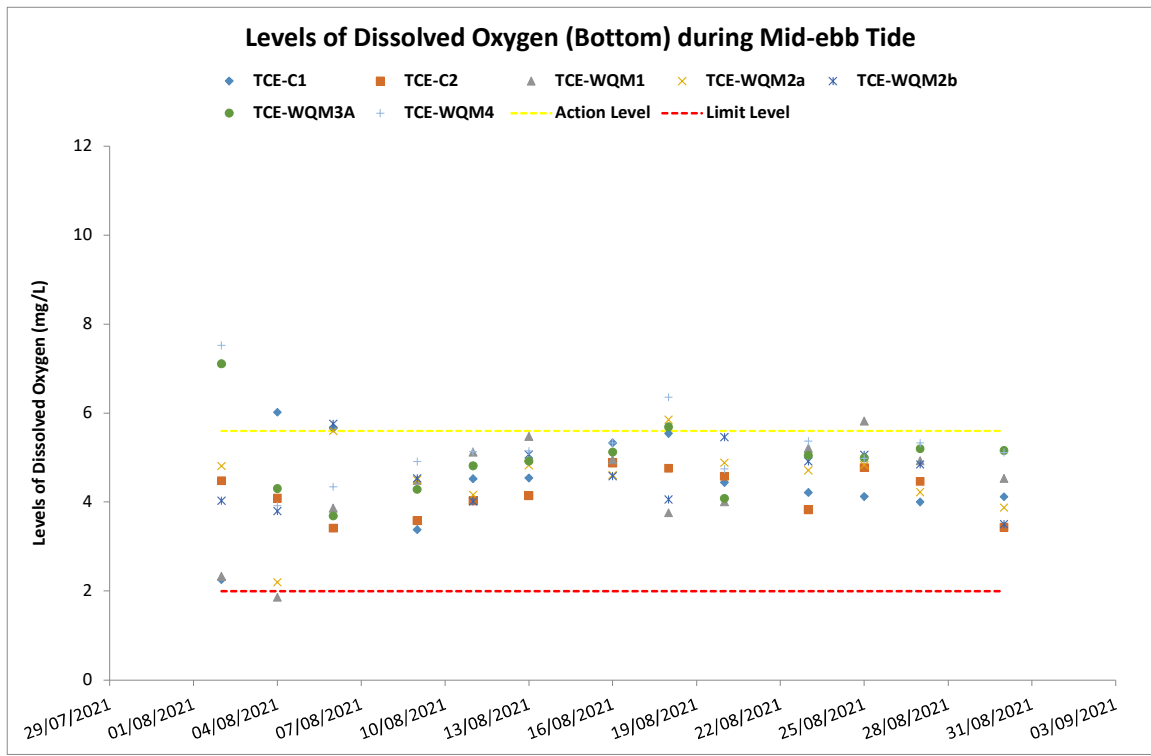


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2021

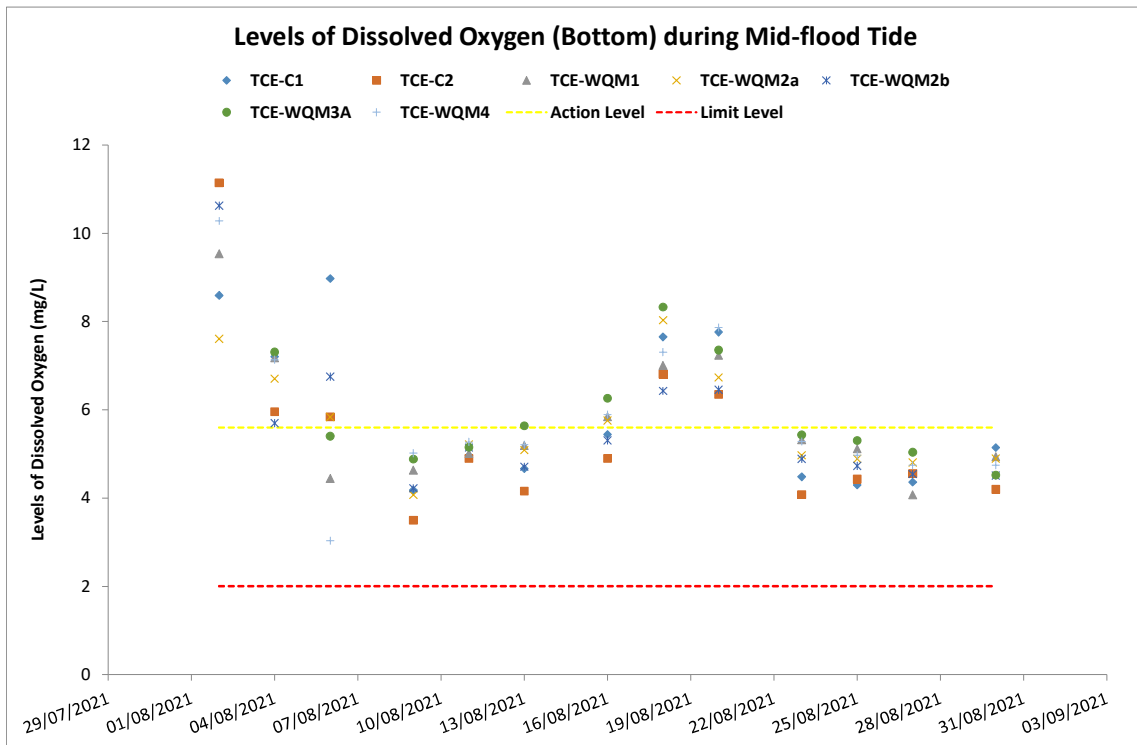


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2021

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

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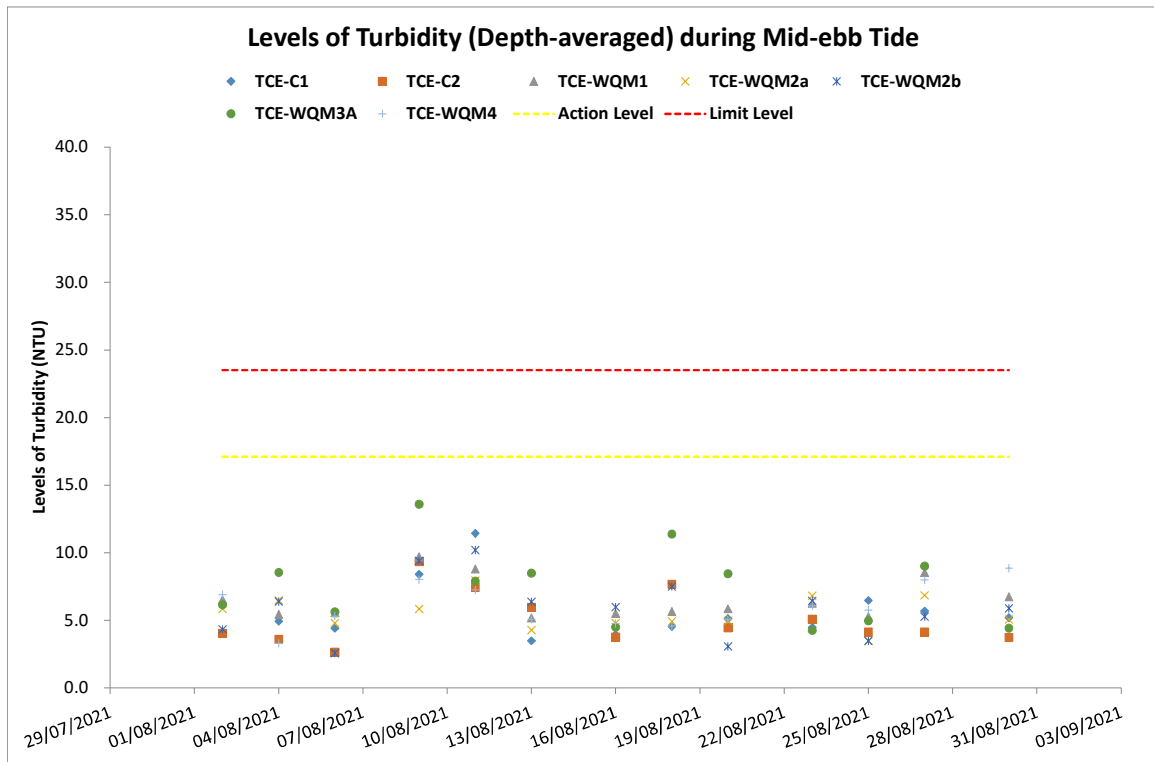


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2021

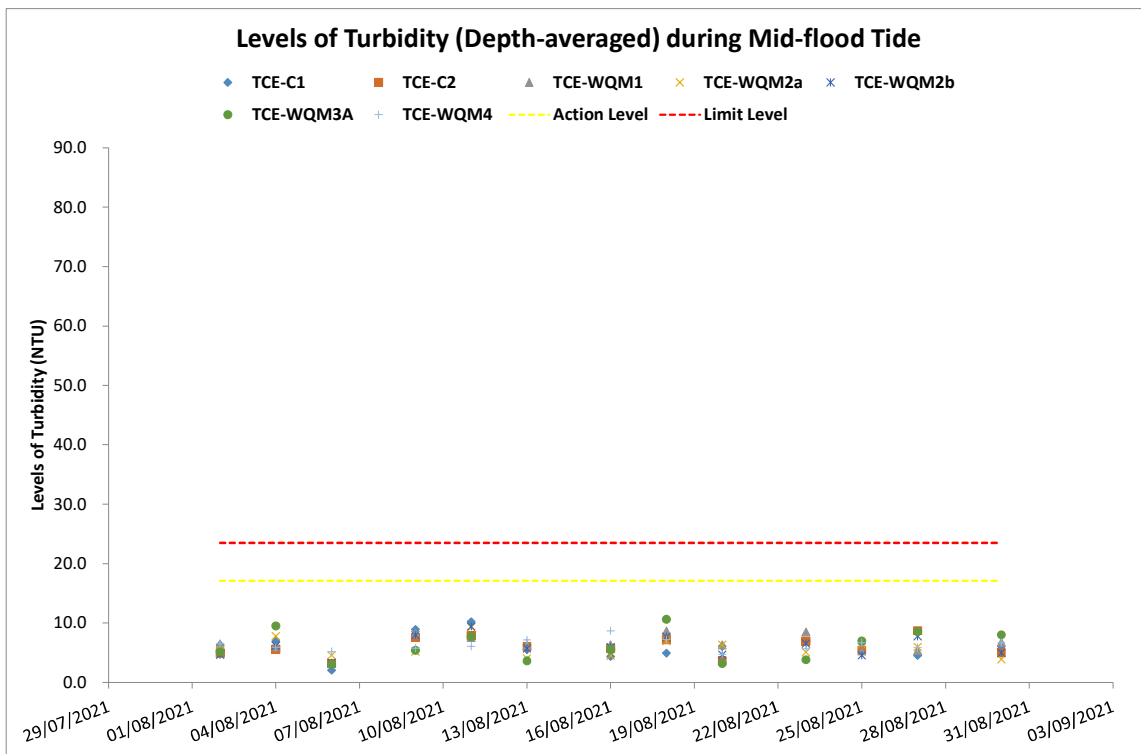


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2021

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

Date: August 2021

**Environmental
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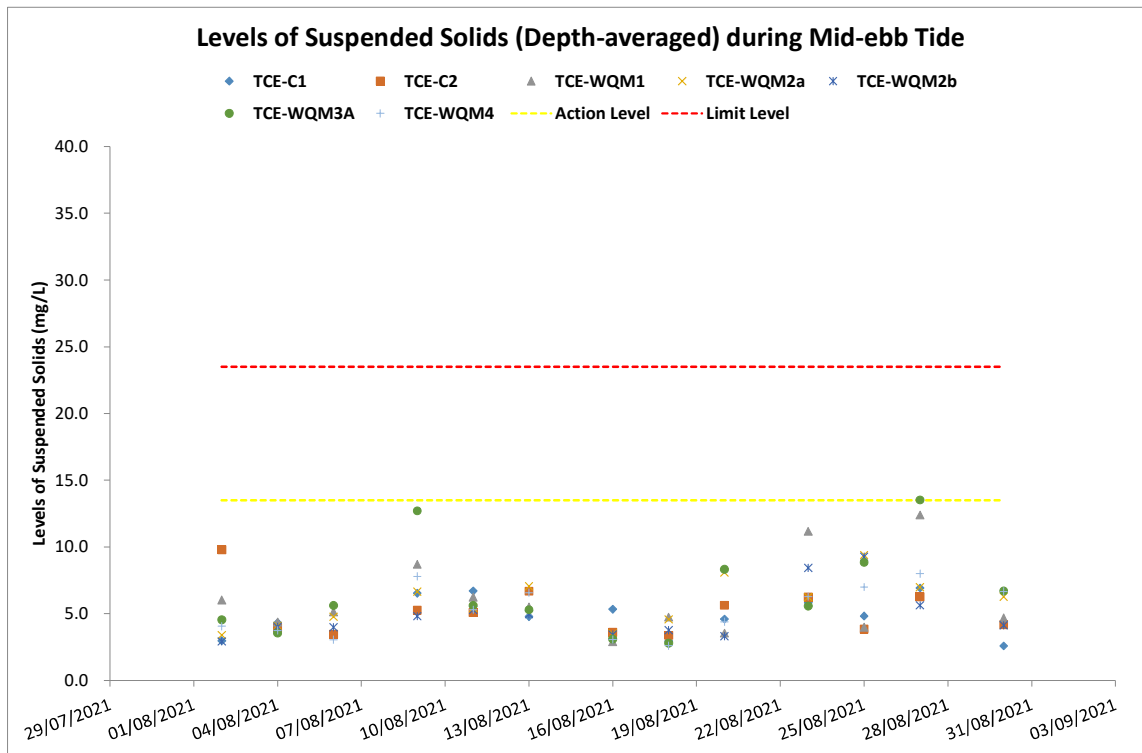


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2021

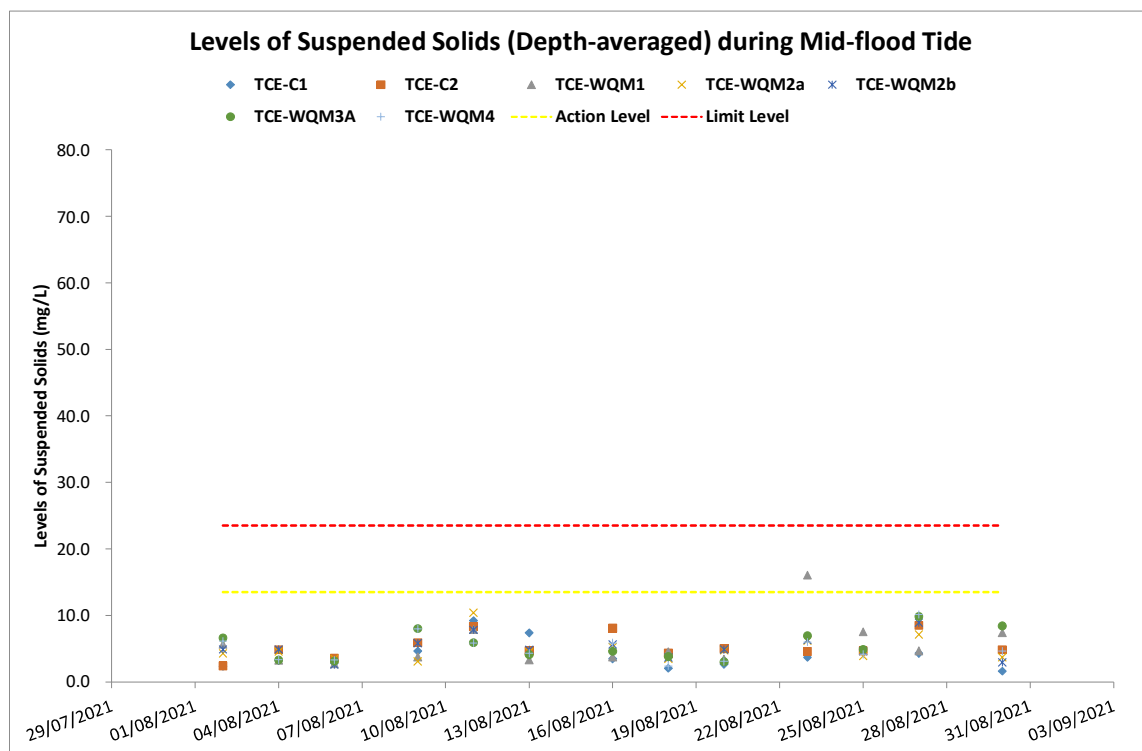


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2021

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

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Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-08-02	Mid-Ebb	TCE-C1	Cloudy	Rough	9:51	7.6	Surface	1.0	1	30.3	8.2	16.7	11.7	172.3	3.1	2.6	9.2	4.1	3.0
									2	30.3	8.2	16.7	11.6	172.2	3.1	2.7			
							Middle	3.8	1	29.1	8.3	24.2	6.7	100.4	3.8	3.1			
							Bottom	6.6	1	27.6	8.1	31.2	2.3	34.2	5.3	3.2			
				2	27.6	8.1	31.3	2.3	34.2	5.3	3.4								
				1	29.8	8.2	20.4	10.0	149.7	3.5	12.3								
				2	29.8	8.2	20.4	10.0	149.7	3.5	17.3								
				1	29.3	8.4	24.2	7.9	118.0	3.2	6.2								
				2	29.3	8.4	24.2	7.9	118.0	3.2	7.6								
				1	27.2	8.1	30.8	4.5	67.0	5.5	7.6								
				2	27.2	8.1	30.8	4.5	67.0	5.5	7.7								
				1	30.4	8.2	21.5	10.3	157.0	4.7	7.0								
			2	30.4	8.2	21.5	10.3	157.3	4.7	6.4									
			1	29.8	8.3	24.0	5.3	79.1	5.6	6.1									
			2	29.8	8.3	24.0	5.3	79.1	5.6	5.8									
			1	28.4	8.1	28.8	2.3	35.2	9.4	5.3									
			2	28.4	8.1	28.8	2.3	35.2	9.4	5.6									
			1	30.0	8.2	21.9	10.4	157.8	3.4	4.1									
			2	30.0	8.2	21.9	10.4	157.8	3.4	3.8									
			1	29.7	8.4	23.4	7.5	114.4	6.8	3.3									
			2	29.7	8.4	23.4	7.6	114.5	6.8	3.6									
			1	28.5	8.2	27.7	4.8	72.3	7.3	3.0									
			2	28.5	8.2	27.7	4.8	72.3	7.2	2.6									
			1	29.9	8.2	19.9	8.6	128.7	2.8	2.5									
		2	29.9	8.2	19.9	8.6	128.8	2.9	2.2										
		1	29.4	8.4	23.9	7.1	106.2	2.9	2.7										
		2	29.4	8.4	23.9	7.1	106.2	3.0	3.0										
		1	27.8	8.2	29.5	4.0	60.5	7.2	3.6										
		2	27.8	8.2	29.5	4.0	60.4	7.2	3.6										
		1	30.1	8.2	21.1	9.0	135.7	4.8	4.2										
		2	30.1	8.2	21.1	9.0	135.7	4.8	4.0										
		1	29.8	8.4	22.8	7.1	108.7	7.5	5.2										
		2	29.8	8.4	22.8	7.1	108.7	7.5	4.8										
		1	30.1	8.2	21.5	9.7	148.2	4.1	4.6										
		2	30.1	8.2	21.5	9.7	148.0	4.2	4.1										
		1	30.0	8.2	22.8	7.5	115.0	9.7	4.0										
		2	30.0	8.2	22.7	7.5	115.1	9.7	3.6										
2021-08-02	Mid-Flood	TCE-C1	Sunny	Rough	13:40	7.6	Surface	1.0	1	30.4	8.2	17.3	14.4	212.9	3.7	1.8	8.6	6.3	2.4
									2	30.4	8.2	17.3	14.3	212.7	3.7	1.8			
							Middle	3.8	1	27.4	8.1	31.6	2.9	43.0	5.8	2.2			
									2	27.4	8.1	31.6	2.9	43.1	5.8	2.5			
							Bottom	6.6	1	27.1	8.0	32.4	2.0	29.9	9.5	2.8			
									2	27.1	8.0	32.4	2.0	30.0	9.6	3.0			
				1	31.4	8.2	22.0	14.3	222.0	3.6	2.2								
				2	31.4	8.2	22.0	14.3	221.8	3.6	2.1								
				1	29.0	8.2	25.4	8.0	120.7	4.4	2.2								
				2	29.0	8.2	25.4	8.0	120.7	4.4	2.5								
				1	26.1	8.2	33.0	4.1	60.6	6.8	2.6								
				2	26.1	8.2	33.0	4.1	60.6	6.8	2.9								
				1	30.9	8.2	21.8	11.3	175.5	4.9	6.4								
				2	30.9	8.2	21.8	11.3	175.5	4.9	6.0								
				1	29.9	8.2	23.6	7.7	117.6	7.3	5.8								
				2	29.9	8.2	23.6	7.7	117.6	7.3	5.4								
				1	28.1	8.3	30.3	2.2	33.3	7.1	5.3								
				2	28.1	8.3	30.2	2.2	33.6	7.1	5.1								
			1	29.8	8.2	22.6	8.9	135.3	3.6	3.6									
			2	29.8	8.2	22.6	8.9	135.3	3.6	3.3									
			1	29.1	8.4	25.6	6.3	96.0	7.6	4.6									
			2	29.1	8.4	25.6	6.3	96.0	7.5	4.3									
			1	28.8	8.3	26.7	5.1	76.5	5.3	5.2									
			2	28.8	8.3	26.7	5.1	76.4	5.4	4.8									
			1	30.7	8.2	20.4	12.5	189.6	3.2	5.6									
			2	30.7	8.2	20.4	12.5	189.7	3.2	5.2									
			1	29.5	8.2	23.5	8.7	132.7	3.4	5.1									
			2	29.5	8.2	23.5	8.7	132.6	3.4	4.9									
			1	28.1	8.3	28.4	4.8	71.3	7.4	4.4									
			2	28.1	8.3	28.4	4.8	71.4	7.4	4.1									
			1	30.9	8.2	20.6	12.7	193.3	4.9	6.8									
			2	30.9	8.2	20.6	12.6	193.2	5.0	7.1									
			1	30.0	8.2	21.6	9.5	143.7	5.4	6.5									
			2	30.0	8.2	21.6	9.5	143.6	5.4	6.1									
			1	30.1	8.2	21.8	10.3	157.2	5.2	6.9									
			2	30.1	8.2	21.8	10.3	157.1	5.3	6.4									
		1	29.7	8.2	23.4	7.4	113.6	7.8	5.4										
		2	29.7	8.2	23.4	7.4	113.7	7.9	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)
2021-08-04	Mid-Ebb	TCE-C1	Misty	Moderate	12:12	7.4	Surface	1.0	1	28.2	8.2	25.0	7.8	117.7	2.3	5.2	7.1	5.0	4.3
									2	28.2	8.2	25.0	7.8	117.5	2.3	4.8			
							Middle	3.7	1	27.9	8.1	25.9	6.3	95.1	5.0	4.5			
							Bottom	6.4	1	27.8	8.1	26.0	6.0	90.3	7.3	3.5			
				2	27.8	8.1	26.0	6.0	90.3	7.8	3.7								
		TCE-C2	Misty	Moderate	10:19	12.4	Surface	1.0	1	28.2	8.3	24.2	7.7	115.5	2.5	3.4	6.3	3.6	4.0
									2	28.2	8.3	24.2	7.7	115.2	2.6	3.3			
							Middle	6.2	1	27.0	8.0	27.9	4.9	71.9	5.0	3.6			
							Bottom	11.4	1	27.0	8.0	27.9	4.9	71.8	5.0	3.8			
				2	25.9	7.9	30.0	4.1	59.5	3.2	4.6								
		TCE-WQM1	Misty	Moderate	11:31	8.0	Surface	1.0	1	28.8	8.4	22.8	9.2	137.5	6.7	5.2	5.7	5.4	4.4
									2	28.8	8.4	22.8	9.2	137.5	6.7	4.8			
	Middle						4.0	1	27.1	7.8	28.1	2.2	31.6	4.2	4.5				
	Bottom						7.0	1	27.0	7.8	28.7	1.9	27.3	5.4	3.7				
			2	27.0	7.8	28.7	1.9	27.5	5.4	4.1									
	TCE-WQM2a	Misty	Moderate	10:58	6.8	Surface	1.0	1	28.2	8.1	25.1	5.6	82.8	4.5	3.8	4.7	6.5	4.1	
								2	28.2	8.1	25.1	5.6	82.8	4.5	3.6				
						Middle	3.4	1	27.5	8.0	27.0	3.8	55.4	7.1	3.9				
						Bottom	5.8	1	27.5	8.0	27.0	3.7	54.9	7.1	4.1				
			2	26.7	7.9	28.7	2.2	32.1	7.9	4.8									
	TCE-WQM2b	Misty	Moderate	10:47	11.8	Surface	1.0	1	28.0	8.3	25.4	8.1	121.5	2.2	3.4	5.8	6.4	4.0	
								2	28.0	8.3	25.4	8.1	121.4	2.2	3.7				
						Middle	5.9	1	27.4	7.9	27.1	3.6	52.3	7.3	4.1				
						Bottom	10.8	1	27.4	7.9	27.2	3.8	55.7	9.9	4.6				
		2	27.4	7.9	27.2	3.8	56.0	9.2	4.4										
TCE-WQM3A	Misty	Moderate	11:09	4.4	Surface	1.0	1	29.1	8.2	22.1	6.1	91.8	6.7	3.4	6.1	8.5	3.6		
							2	29.1	8.2	22.1	6.1	91.9	6.7	3.6					
					Bottom	3.4	1	27.6	8.0	26.7	4.3	63.2	10.1	3.7					
		2	27.6	8.0	26.8	4.3	63.5	10.7	3.5										
TCE-WQM4	Misty	Moderate	11:20	3.2	Surface	1.0	1	28.4	8.0	24.9	4.5	65.8	3.2	3.7	4.6	3.3	3.8		
							2	28.4	8.0	24.8	4.7	69.5	3.1	3.5					
					Bottom	2.2	1	28.2	8.0	25.3	3.9	57.5	3.5	3.8					
		2	28.2	8.0	25.2	3.9	58.0	3.4	4.0										
2021-08-04	Mid-Flood	TCE-C1	Misty	Moderate	16:23	8.8	Surface	1.0	1	28.2	8.3	24.5	7.9	118.7	2.0	3.1	7.2	6.9	3.2
									2	28.2	8.3	24.5	7.9	118.6	2.0	2.7			
							Middle	4.4	1	27.9	8.2	25.4	6.5	97.1	5.1	3.0			
							Bottom	7.8	1	27.9	8.2	25.4	6.5	97.0	5.2	3.2			
				2	27.8	8.1	25.5	6.4	95.4	13.7	3.5								
		TCE-C2	Misty	Moderate	18:11	12.2	Surface	1.0	1	27.8	8.3	25.5	7.5	112.6	3.8	4.2	6.0	5.6	4.8
									2	27.8	8.3	25.5	7.5	112.2	3.8	4.4			
							Middle	6.1	1	27.0	8.0	26.9	4.4	65.7	4.1	5.0			
							Bottom	11.2	1	26.9	8.0	27.1	4.4	65.5	4.4	4.6			
				2	25.9	7.9	29.4	3.6	52.3	8.9	5.2								
		TCE-WQM1	Misty	Moderate	17:06	7.8	Surface	1.0	1	29.1	8.4	21.8	10.9	162.5	6.4	2.6	7.2	6.1	3.3
									2	29.1	8.4	21.8	10.8	161.8	6.4	3.0			
	Middle						3.9	1	27.6	8.0	25.9	3.5	52.5	4.0	3.5				
	Bottom						6.8	1	27.6	8.0	25.9	3.6	52.3	4.2	3.2				
			2	27.1	7.8	27.7	2.1	31.3	7.6	3.6									
	TCE-WQM2a	Misty	Moderate	17:40	6.6	Surface	1.0	1	28.2	8.2	24.6	6.9	104.0	4.8	3.9	6.7	7.8	4.6	
								2	28.2	8.2	24.6	6.9	104.0	4.8	4.4				
						Middle	3.3	1	28.0	8.2	25.1	6.5	97.0	5.2	4.6				
						Bottom	5.6	1	27.9	8.2	25.1	6.5	96.7	5.2	4.4				
			2	27.5	8.0	26.3	4.8	71.0	13.4	4.9									
	TCE-WQM2b	Misty	Moderate	17:51	11.6	Surface	1.0	1	28.2	8.3	24.4	7.9	117.6	2.6	5.5	5.7	6.2	4.9	
								2	28.2	8.3	24.4	7.9	117.5	2.6	5.1				
						Middle	5.8	1	27.3	7.9	26.8	3.5	52.5	5.3	5.0				
						Bottom	10.6	1	27.3	7.9	26.8	3.6	53.6	5.4	4.8				
		2	26.0	7.8	29.4	3.1	45.6	10.5	4.6										
TCE-WQM3A	Misty	Moderate	17:29	4.4	Surface	1.0	1	29.2	8.3	21.7	7.3	109.7	5.6	3.4	7.3	9.5	3.3		
							2	29.2	8.3	21.7	7.3	109.7	5.7	3.6					
					Bottom	3.4	1	27.3	8.0	27.1	3.8	57.5	13.5	3.2					
		2	27.3	8.0	27.1	3.9	57.8	13.4	3.1										
TCE-WQM4	Misty	Moderate	17:18	3.6	Surface	1.0	1	29.0	8.3	22.4	7.1	107.2	3.6	3.2	7.1	5.9	3.4		
							2	29.0	8.3	22.4	7.1	107.0	3.7	3.1					
					Bottom	2.6	1	27.5	7.9	26.7	3.2	46.5	8.2	3.6					
		2	27.6	7.9	26.7	3.1	47.0	8.2	3.5										

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)
2021-08-06	Mid-Ebb	TCE-C1	Misty	Moderate	12:16	8.0	Surface	1.0	1	28.5	8.4	15.7	5.9	83.5	3.5	3.0	5.9	4.4	3.4
									2	28.5	8.4	15.7	5.9	84.0	3.6	2.7			
							Middle	4.0	1	28.2	8.2	17.7	5.9	83.7	4.6	3.4			
							Bottom	7.0	1	26.4	7.9	24.6	5.7	82.6	5.1	4.4			
						2	26.4	7.9	28.3	5.6	82.9	5.2	4.0	5.7					
				2	27.7	8.1	21.5	3.2	46.8	1.9	3.4								
				2	27.9	8.1	21.6	3.2	46.1	1.8	3.2								
		Middle	6.4	1	27.8	8.1	22.2	3.5	50.1	2.8	3.2								
						2	27.8	8.1	22.2	3.4	50.0	2.7	3.6	3.3	2.7	3.5			
				2	25.5	7.9	29.9	3.4	49.3	3.4	3.5								
				2	25.5	7.9	29.8	3.4	49.5	3.4	3.9								
		Bottom	11.8	1	25.5	7.9	29.9	3.4	49.3	3.4	3.5								
						2	28.1	8.1	21.5	5.1	73.7	4.7	4.0	4.4	5.5	5.1			
				2	28.0	8.1	21.5	5.0	71.3	4.8	4.6								
		Middle	4.1	1	28.0	8.0	24.5	3.7	54.3	5.9	5.1								
		Bottom	7.2	1	28.0	8.0	24.5	3.7	54.4	5.9	5.3								
						2	28.0	8.0	24.6	3.8	56.2	6.0	5.7	3.9					
				2	28.0	8.0	24.6	3.9	56.9	6.0	6.1								
				2	27.7	8.1	23.8	5.5	79.2	3.5	4.0								
		Middle	3.5	1	27.6	8.1	24.3	5.4	79.1	4.9	4.5								
						2	27.6	8.1	24.3	5.5	79.2	5.0	5.0	5.4	4.8	4.8			
				2	27.6	8.1	24.3	5.5	79.2	5.0	5.0								
				2	27.7	8.1	24.5	5.6	80.9	5.9	5.8								
		Bottom	6.0	1	27.6	8.1	24.5	5.6	80.9	5.9	5.8								
					2	27.7	8.1	24.4	5.6	81.9	6.0	5.7	5.6						
			2	28.0	8.1	21.4	6.2	90.6	1.9	3.4									
			2	28.0	8.1	21.4	6.2	90.5	1.9	3.1									
	Middle	5.2	1	27.9	8.1	22.1	6.1	87.6	2.1	4.0									
					2	27.9	8.1	22.1	6.0	87.5	2.1	4.2	6.1	2.6	4.0				
			2	27.5	8.1	23.0	5.8	83.2	3.8	4.5									
			2	27.5	8.1	23.1	5.8	82.9	3.8	4.8									
	Bottom	9.4	1	27.6	8.0	24.5	3.8	54.5	6.0	5.5									
					2	27.7	8.0	24.5	3.8	54.5	6.1	5.0	3.7	5.6	5.6				
			2	27.5	8.1	23.1	5.8	82.9	3.8	4.8									
			2	27.7	8.1	22.5	3.8	55.2	5.3	6.2									
	Bottom	3.0	1	27.6	8.0	24.5	3.6	52.9	6.0	5.5									
					2	27.7	8.0	24.5	3.8	54.5	6.1	5.0	4.7	5.3	3.1				
			2	28.1	8.0	23.4	4.6	68.7	4.7	3.0									
			2	28.1	8.0	23.5	4.7	68.2	4.7	2.7									
	Bottom	2.6	1	28.0	8.0	23.7	4.3	63.8	5.9	3.2									
					2	27.9	8.0	23.7	4.4	63.7	6.0	3.3	4.3						
			2	28.5	8.4	15.6	9.7	139.2	1.4	4.1									
			2	28.4	8.4	15.6	9.6	137.6	1.3	3.9									
	Middle	4.0	1	28.3	8.2	17.7	8.2	118.6	2.3	3.0									
					2	28.4	8.2	17.6	8.3	119.4	2.2	2.6	9.0	2.0	2.8				
			2	28.5	8.2	17.6	8.5	123.3	2.5	1.6									
			2	28.6	8.2	17.6	8.8	127.1	2.6	1.8									
	Bottom	7.0	1	28.5	8.2	17.6	8.5	123.3	2.5	1.6									
				2	28.1	8.1	22.3	6.6	96.1	2.3	4.1	5.8	3.2	3.6					
		2	28.0	8.1	22.4	6.5	95.7	2.3	3.8										
		2	27.5	8.1	24.2	5.2	76.3	3.1	3.4										
Middle	6.4	1	27.6	8.1	24.1	5.2	74.7	3.1	3.7										
				2	27.6	8.1	24.1	5.2	74.7	3.1	3.7	4.7							
		2	26.9	8.0	27.0	4.6	67.2	4.1	3.0										
		2	26.9	8.0	27.0	4.8	69.3	4.2	3.4										
Bottom	11.8	1	26.9	8.0	27.0	4.6	67.2	4.1	3.0										
				2	28.2	8.1	23.1	5.1	73.7	2.1	2.2	4.4	3.2	2.7					
		2	28.2	8.1	23.2	5.0	73.0	2.0	2.6										
		2	28.0	8.0	24.2	3.9	56.8	3.5	2.8										
Middle	4.1	1	28.0	8.0	24.3	3.8	56.0	3.5	2.5										
				2	28.0	8.0	24.3	3.8	56.0	3.5	2.5	3.3							
		2	28.0	8.0	24.5	3.3	47.8	4.2	3.0										
		2	28.0	8.0	24.4	3.4	49.2	4.1	3.3										
Bottom	7.2	1	28.0	8.0	24.5	3.3	47.8	4.2	3.0										
				2	28.0	8.1	23.4	6.1	90.9	3.4	2.7	5.8	4.6	3.5					
		2	28.0	8.1	23.4	6.1	90.9	3.4	3.0										
		2	27.9	8.1	23.8	5.5	82.2	4.8	3.6										
Middle	3.5	1	27.9	8.1	23.8	5.5	82.1	4.8	3.9										
				2	27.9	8.1	23.8	5.5	82.1	4.8	3.9	5.6							
		2	27.8	8.1	23.9	5.7	82.2	5.7	4.0										
		2	27.8	8.1	23.9	5.6	82.4	5.7	3.8										
Bottom	6.0	1	27.8	8.1	23.9	5.6	82.4	5.7	3.8										
				2	28.2	8.1	20.5	6.9	100.8	2.4	2.2	6.7	3.4	2.6					
		2	28.2	8.1	20.4	6.9	100.5	2.4	2.5										
		2	28.1	8.1	21.6	6.6	97.3	3.4	2.5										
Middle	5.3	1	28.1	8.1	21.6	6.6	97.3	3.4	2.7										
				2	28.1	8.1	21.6	6.6	97.3	3.4	2.7	6.6							
		2	28.1	8.1	21.6	6.6	96.5	4.4	2.8										
		2	28.2	8.1	21.6	6.6	96.6	4.3	3.0										
Bottom	9.6	1	28.1	8.1	21.6	6.6	96.5	4.4	2.8										
				2	28.2	8.1	21.6	6.6	96.6	4.3	3.0	5.4	3.1	3.2					
		2	28.2	8.1	23.2	5.5	79.7	2.2	2.6										
		2	28.2	8.1	23.3	5.3	77.9	2.1	3.0										
Middle	3.0	1	28.2	8.0	23.5	4.1	59.6	4.0	3.4										
				2	28.2	8.0	23.5	4.1	59.7	3.9	3.6	4.1							
		2	28.2	8.0	23.5	4.1	59.6	4.0	3.4										
		2	28.2	8.0	23.5	4.1	59.7	3.9	3.6										
Bottom	3.0	1	28.2	8.0	23.5	4.1	59.6	4.0	3.4										
				2	28.2	8.0	23.5	4.1	59.7	3.9	3.6	3.0	5.2	3.3					
		2	28.1	8.1	23.4	3.1	44.7	4.7	3.9										
		2	28.1	8.1	23.6	3.0	44.8	4.7	3.5										
Middle	1.0	1	28.1	8.1	23.4	3.1	44.7	4.7	3.9										
				2	28.1	8.1	23.6	3.0	44.8	4.7	3.5	3.0							
		2	28.0	7.9	24.1	3.0	43.7	5.7	2.9										
		2	28.0	7.9	24.2	3.0	43.2	5.7	3.0										
Bottom	2.6	1	28.0	7.9	24.1	3.0	43.7	5.7	2.9										

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)
2021-08-09	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:00	8.2	Surface	1.0	1	27.2	7.9	27.6	5.1	74.6	5.2	7.1	4.6	8.4	6.5
									2	27.2	7.9	27.6	5.1	74.4	5.3	7.5			
							Middle	4.1	1	26.5	7.9	28.0	4.2	60.9	5.7	6.2			
							Bottom	7.2	1	25.4	7.9	30.3	3.4	48.7	13.9	5.9			
				2	25.4	7.9	30.3	3.4	49.1	13.9	5.8								
				1	28.0	8.0	24.4	5.7	82.9	5.1	4.7								
				2	28.0	7.9	24.5	5.7	82.8	5.3	4.4								
				1	27.5	7.9	25.1	4.8	69.5	10.1	5.1								
				2	27.5	7.9	25.1	4.5	65.9	10.3	5.4								
				1	25.3	7.9	29.6	3.5	50.9	12.8	6.2								
				2	25.3	7.9	29.6	3.6	52.5	12.7	5.8								
				1	27.8	7.9	24.8	4.7	68.8	7.7	9.7								
				2	27.8	7.9	24.8	4.7	68.7	7.7	9.3								
				1	27.6	7.9	25.4	4.4	64.3	9.1	8.8								
				2	27.5	7.9	25.4	4.4	64.3	9.3	8.4								
				1	27.4	7.9	25.8	4.5	65.2	12.2	8.2								
				2	27.4	7.9	25.8	4.5	65.8	12.2	7.8								
				1	27.6	7.9	25.4	4.9	71.1	5.2	7.3								
				2	27.6	7.9	25.4	4.9	71.1	5.2	7.0								
				1	27.3	7.9	25.6	4.8	70.1	5.6	6.6								
				2	27.3	7.9	25.6	4.8	70.1	5.7	6.9								
				1	27.0	7.9	26.2	4.5	65.3	6.7	6.3								
				2	27.0	7.9	26.2	4.5	65.5	6.7	5.8								
				1	27.9	7.9	24.3	5.7	82.9	5.1	3.6								
			2	27.8	7.9	24.4	5.7	82.4	5.5	3.2									
			1	27.1	7.9	25.6	4.3	62.6	9.6	4.5									
			2	27.1	7.9	25.6	4.3	62.7	9.7	4.0									
			1	27.1	7.9	25.5	4.5	65.7	13.1	7.0									
			2	27.1	7.9	25.5	4.5	66.0	13.4	6.6									
			1	27.6	7.9	24.3	4.3	62.1	12.1	11.7									
			2	27.5	7.9	24.3	4.3	62.1	12.7	11.1									
			1	27.4	7.9	24.8	4.3	62.1	14.8	14.2									
			2	27.4	7.9	24.8	4.3	62.3	14.8	13.8									
			1	28.1	7.9	24.3	4.9	71.5	7.5	7.1									
			2	28.1	7.9	24.3	4.9	71.4	7.6	7.6									
			1	28.1	7.9	24.4	4.9	71.8	8.4	8.0									
			2	28.1	7.9	24.4	4.9	72.1	8.6	8.5									
			1	26.9	7.9	27.5	4.6	67.8	5.7	5.7									
			2	26.9	7.9	27.5	4.6	67.5	5.8	5.3									
			1	26.0	7.9	28.8	3.7	54.1	7.2	4.8									
			2	25.9	7.9	28.9	3.7	53.7	7.5	4.8									
			1	25.1	7.9	30.8	3.4	49.2	13.6	3.4									
			2	25.1	7.9	30.8	3.4	49.8	13.9	3.8									
			1	26.3	7.9	27.0	4.0	58.3	3.3	5.0									
			2	26.3	7.9	27.0	4.0	58.3	3.4	5.2									
			1	24.7	7.9	30.2	3.0	42.2	7.5	5.7									
			2	24.7	7.8	30.2	3.0	42.2	7.5	6.0									
			1	24.7	7.8	30.3	3.1	44.8	11.7	7.0									
		2	24.7	7.8	30.3	3.2	45.2	11.9	6.6										
		1	27.9	7.9	24.3	4.6	67.5	7.9	4.3										
		2	27.9	7.9	24.3	4.6	67.5	7.9	4.6										
		1	27.9	7.9	24.3	4.6	67.7	8.5	4.0										
		2	27.9	7.9	24.3	4.6	67.8	8.6	3.6										
		1	27.9	7.9	24.3	4.7	68.7	8.3	3.2										
		2	27.9	7.9	24.3	4.7	68.7	8.3	3.0										
		1	27.3	7.9	25.2	4.5	64.9	5.6	2.3										
		2	27.3	7.9	25.2	4.5	64.9	5.6	2.5										
		1	26.3	7.9	26.6	3.7	52.8	4.9	2.8										
		2	26.2	7.9	26.7	3.7	52.6	4.8	3.1										
		1	25.6	7.9	28.9	3.7	52.5	5.0	4.2										
		2	25.6	7.9	28.9	3.7	53.0	5.3	3.6										
		1	27.3	7.9	25.0	4.6	66.3	3.4	5.1										
		2	27.3	7.9	25.0	4.6	66.2	3.4	4.9										
		1	26.6	7.9	26.7	3.9	56.1	9.2	5.7										
		2	26.6	7.9	26.7	3.9	56.1	9.2	5.2										
		1	25.5	7.9	29.2	3.4	49.3	11.6	7.2										
		2	25.5	7.9	29.2	3.4	49.4	11.1	6.8										
		1	27.8	7.9	23.8	4.9	71.0	4.0	7.8										
		2	27.8	7.9	23.8	4.9	71.0	4.1	7.5										
		1	27.6	7.9	24.2	4.7	68.5	6.7	8.2										
		2	27.6	7.9	24.2	4.7	68.6	6.8	8.6										
		1	27.8	7.9	24.1	5.0	73.0	5.3	8.8										
		2	27.8	7.9	24.1	5.0	73.0	5.4	8.3										
		1	27.8	7.9	24.4	5.0	73.5	6.2	7.7										
		2	27.8	7.9	24.4	5.1	73.6	6.3	7.2										
2021-08-09	Mid-Flood	TCE-C1	Cloudy	Moderate	8:15	8.6	Surface	1.0	1	26.9	7.9	27.5	4.6	67.8	5.7	5.7	4.2	8.9	4.6
									2	26.9	7.9	27.5	4.6	67.5	5.8	5.3			
							Middle	4.3	1	26.0	7.9	28.8	3.7	54.1	7.2	4.8			
							Bottom	7.6	1	25.1	7.9	30.8	3.4	49.2	13.6	3.4			
				2	25.1	7.9	30.8	3.4	49.8	13.9	3.8								
				1	26.3	7.9	27.0	4.0	58.3	3.3	5.0								
				2	26.3	7.9	27.0	4.0	58.3	3.4	5.2								
				1	24.7	7.9	30.2	3.0	42.2	7.5	5.7								
				2	24.7	7.8	30.2	3.0	42.2	7.5	6.0								
				1	24.7	7.8	30.3	3.1	44.8	11.7	7.0								
				2	24.7	7.8	30.3	3.2	45.2	11.9	6.6								
				1	27.9	7.9	24.3	4.6	67.5	7.9	4.3								
				2	27.9	7.9	24.3	4.6	67.5	7.9	4.6								
				1	27.9	7.9	24.3	4.6	67.7	8.5	4.0								
				2	27.9	7.9	24.3	4.6	67.8	8.6	3.6								
				1	27.9	7.9	24.3	4.7	68.7	8.3	3.2								
				2	27.9	7.9	24.3	4.7	68.7	8.3	3.0								
				1	27.3	7.9	25.2	4.5	64.9	5.6	2.3								
				2	27.3	7.9	25.2	4.5	64.9	5.6	2.5								
				1	26.3	7.9	26.6	3.7	52.8	4.9	2.8								
				2	26.2	7.9	26.7	3.7	52.6	4.8	3.1								
				1	25.6	7.9	28.9	3.7	52.5	5.0	4.2								
				2	25.6	7.9	28.9	3.7	53.0	5.3	3.6								
				1	27.3	7.9	25.0	4.6	66.3	3.4	5.1								
			2	27.3	7.9	25.0	4.6	66.2	3.4	4.9									
			1	26.6	7.9	26.7	3.9	56.1	9.2	5.7									
			2	26.6	7.9	26.7	3.9	56.1	9.2	5.2									
			1	25.5	7.9	29.2	3.4	49.3	11.6	7.2									
			2	25.5	7.9	29.2	3.4	49.4	11.1	6.8									
			1	27.8	7.9	23.8	4.9	71.0	4.0	7.8									
			2	27.8	7.9	23.8	4.9	71.0	4.1	7.5									
			1	27.6	7.9	24.2	4.7	68.5	6.7	8.2									
			2	27.6	7.9	24.2	4.7	68.6	6.8	8.6									
			1	27.8	7.9	24.1	5.0	73.0	5.3	8.8									
			2	27.8	7.9	24.1	5.0	73.0	5.4	8.3									
			1	27.8	7.9	24.4	5.0	73.5	6.2	7.7									
			2	27.8	7.9	24.4	5.1	73.6	6.3	7.2									

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)
2021-08-11	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:17	8.5	Surface	1.0	1	27.6	8.1	28.1	5.3	78.3	9.3	5.3	4.9	11.4	6.7
									2	27.6	8.1	28.1	5.3	78.3	9.1	5.8			
							Middle	4.3	1	26.8	8.1	30.2	4.5	66.8	10.9	6.7			
							Bottom	7.5	1	26.5	8.1	30.3	4.5	66.6	10.9	7.2			
				2	26.5	8.1	30.8	4.5	66.9	14.2	7.4								
				2	26.5	8.1	30.8	4.5	67.0	14.2	7.8								
				2	27.7	8.2	27.2	5.2	76.6	6.1	4.0								
				2	27.7	8.2	27.2	5.2	76.3	6.4	4.5								
				1	25.5	8.2	31.7	3.8	55.4	8.0	4.7								
				2	25.5	8.2	31.7	3.8	55.8	8.0	5.2								
				1	25.5	8.2	31.8	4.0	58.7	8.1	6.3								
				2	25.5	8.2	31.8	4.0	59.1	8.1	5.9								
				1	28.4	8.2	26.1	5.1	75.5	8.6	7.6								
				2	28.4	8.2	26.1	5.1	75.5	8.6	7.4								
				1	28.4	8.2	26.1	5.1	75.5	9.0	6.1								
				2	28.4	8.2	26.1	5.1	75.6	8.9	5.8								
				1	28.4	8.2	26.1	5.1	76.1	8.9	5.2								
				2	28.4	8.2	26.1	5.1	76.1	8.9	5.4								
				1	28.3	8.1	25.8	5.3	78.2	6.3	4.3								
				2	28.3	8.1	25.8	5.3	78.2	6.3	4.9								
				1	27.1	8.1	28.3	4.2	61.7	8.1	5.6								
				2	27.1	8.1	28.5	4.2	61.5	8.3	5.4								
				1	26.6	8.1	29.6	4.2	61.0	9.3	6.0								
				2	26.6	8.1	29.6	4.2	61.3	9.4	6.4								
			1	27.8	8.1	26.8	4.9	73.0	7.4	4.5									
			2	27.8	8.1	26.8	4.9	72.7	7.5	4.2									
			1	26.6	8.1	29.5	4.1	60.7	10.4	5.4									
			2	26.5	8.1	29.6	4.1	60.9	10.9	5.9									
			1	25.9	8.1	31.0	4.0	58.6	12.4	6.1									
			2	25.9	8.1	31.0	4.0	59.0	12.6	5.6									
			1	28.5	8.2	25.2	5.4	79.8	6.6	6.5									
			2	28.5	8.2	25.2	5.4	79.7	6.7	6.3									
			1	28.5	8.2	25.2	5.0	73.4	9.3	4.7									
			2	28.5	8.2	25.2	4.7	69.4	9.0	5.0									
			1	28.4	8.2	25.5	5.3	78.5	6.6	5.1									
			2	28.4	8.2	25.6	5.3	78.4	6.6	4.6									
			1	28.3	8.2	26.0	5.1	76.2	7.6	5.8									
			2	28.2	8.2	26.0	5.1	76.1	8.3	5.7									
			1	27.8	8.0	27.5	5.0	74.5	6.5	11.9									
			2	27.8	8.0	27.5	5.0	74.4	6.5	12.3									
			1	27.6	8.1	28.2	4.9	72.8	8.4	9.3									
			2	27.5	8.1	28.3	4.9	72.6	8.6	8.9									
			1	27.0	8.1	29.6	4.8	71.1	15.6	6.1									
			2	27.0	8.1	29.6	4.8	71.3	15.7	6.7									
			1	28.1	8.0	24.9	5.3	77.4	5.1	11.0									
			2	28.0	8.0	25.0	5.3	77.2	5.3	10.5									
			1	27.5	8.0	27.6	4.5	66.9	6.7	8.4									
			2	27.6	8.0	27.5	4.5	67.1	7.1	7.9									
		1	26.3	8.0	30.2	4.0	59.1	11.6	6.4										
		2	26.3	8.0	30.2	4.0	59.3	11.5	5.8										
		1	28.3	8.0	25.9	5.1	74.9	6.5	5.6										
		2	28.3	8.0	25.9	5.0	74.7	6.6	5.8										
		1	28.3	8.0	26.0	5.0	73.9	7.6	7.6										
		2	28.3	8.0	26.0	5.0	73.8	7.5	8.0										
		1	28.2	8.0	26.3	4.9	72.1	8.4	10.2										
		2	28.2	8.0	26.3	4.9	72.0	8.8	10.1										
		1	28.4	8.0	25.4	5.4	79.4	5.5	15.2										
		2	28.4	8.0	25.4	5.4	79.4	5.5	14.8										
		1	28.2	8.0	26.0	5.1	75.1	10.5	8.8										
		2	28.2	8.0	26.0	5.1	75.1	10.1	8.3										
		1	28.1	8.0	26.2	5.0	74.2	12.5	7.5										
		2	28.1	8.0	26.2	5.0	74.2	11.7	7.9										
		1	28.1	8.0	25.8	5.2	76.5	5.8	8.9										
		2	28.1	8.0	25.8	5.2	76.4	5.8	8.8										
		1	27.8	8.0	26.4	5.1	75.4	7.5	7.3										
		2	27.8	8.0	26.5	5.1	75.3	7.5	7.6										
		1	27.5	8.0	27.4	4.8	70.2	15.1	7.1										
		2	27.5	8.0	27.3	4.8	70.3	15.0	7.2										
		1	28.3	8.1	25.5	5.2	76.2	6.5	5.7										
		2	28.3	8.1	25.5	5.2	76.2	6.5	5.4										
		1	28.2	8.1	25.8	5.1	76.0	8.7	6.1										
		2	28.2	8.1	25.9	5.1	75.8	9.3	6.4										
		1	28.3	8.0	25.9	5.3	78.0	6.1	6.9										
		2	28.3	8.0	25.9	5.3	78.3	6.1	7.1										
		1	28.3	8.0	25.9	5.5	81.1	6.1	4.6										
		2	28.3	8.0	25.9	5.5	81.4	6.1	4.9										
2021-08-11	Mid-Flood	TCE-C1	Cloudy	Moderate	9:06	8.9	Surface	1.0	1	27.8	8.0	27.5	5.0	74.5	6.5	11.9	5.0	10.2	9.2
									2	27.8	8.0	27.5	5.0	74.4	6.5	12.3			
							Middle	4.5	1	27.6	8.1	28.2	4.9	72.8	8.4	9.3			
									2	27.5	8.1	28.3	4.9	72.6	8.6	8.9			
							Bottom	7.9	1	27.0	8.1	29.6	4.8	71.1	15.6	6.1			
									2	27.0	8.1	29.6	4.8	71.3	15.7	6.7			
									1	28.1	8.0	24.9	5.3	77.4	5.1	11.0			
									2	28.0	8.0	25.0	5.3	77.2	5.3	10.5			
									1	27.5	8.0	27.6	4.5	66.9	6.7	8.4			
									2	27.6	8.0	27.5	4.5	67.1	7.1	7.9			
									1	26.3	8.0	30.2	4.0	59.1	11.6	6.4			
									2	26.3	8.0	30.2	4.0	59.3	11.5	5.8			
				1	28.3	8.0	25.9	5.1	74.9	6.5	5.6								
				2	28.3	8.0	25.9	5.0	74.7	6.6	5.8								
				1	28.3	8.0	26.0	5.0	73.9	7.6	7.6								
				2	28.3	8.0	26.0	5.0	73.8	7.5	8.0								
				1	28.2	8.0	26.3	4.9	72.1	8.4	10.2								
				2	28.2	8.0	26.3	4.9	72.0	8.8	10.1								
				1	28.4	8.0	25.4	5.4	79.4	5.5	15.2								
				2	28.4	8.0	25.4	5.4	79.4	5.5	14.8								
				1	28.2	8.0	26.0	5.1	75.1	10.5	8.8								
				2	28.2	8.0	26.0	5.1	75.1	10.1	8.3								
				1	28.1	8.0	26.2	5.0	74.2	12.5	7.5								
				2	28.1	8.0	26.2	5.0	74.2	11.7	7.9								
				1	28.1	8.0	25.8	5.2	76.5	5.8	8.9								
				2	28.1	8.0	25.8	5.2	76.4	5.8	8.8								
				1	27.8	8.0	26.4	5.1	75.4	7.5	7.3								
				2	27.8	8.0	26.5	5.1	75.3	7.5	7.6								
				1	27.5	8.0	27.4	4.8	70.2	15.1	7.1								
				2	27.5	8.0	27.3	4.8	70.3	15.0	7.2								
				1	28.3	8.1	25.5	5.2	76.2	6.5	5.7								
				2	28.3	8.1	25.5	5.2	76.2	6.5	5.4								
				1	28.2	8.1	25.8	5.1	76.0	8.7	6.1								
				2	28.2	8.1	25.9	5.1	75.8	9.3	6.4								
				1	28.3	8.0	25.9	5.3	78.0	6.1	6.9								
				2	28.3	8.0	25.9	5.3	78.3	6.1	7.1								
				1	28.3	8.0	25.9	5.5	81.1	6.1	4.6								
				2	28.3	8.0	25.9	5.5	81.4	6.1	4.9								
				1	28.3	8.0	25.9	5.3	78.0	6.1	6.9								
				2	28.3	8.0	25.9	5.3	78.3	6.1	7.1								
				1	28.3	8.0	25.9	5.5	81.1	6.1	4.6								
				2	28.3	8.0	25.9	5.5	81.4	6.1	4.9								
				1	28.3	8.0	25.9	5.3	78.0	6.1	6.9								
				2	28.3	8.0	25.9	5.3	78.3	6.1	7.1								
				1	28.3	8.0	25.9	5.5	81.1	6.1	4.6								
				2	28.3	8.0	25.9	5.5	81.4	6.1	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)
2021-08-13	Mid-Ebb	TCE-C1	Fine	Moderate	14:32	7.2	Surface	1.0	1	28.2	8.0	25.5	6.2	92.1	3.3	6.5	5.7	3.5	4.8
									2	28.2	8.0	25.5	6.2	92.0	3.3	6.6			
							Middle	3.6	1	27.3	7.9	28.8	5.1	75.5	3.0	5.3			
							Bottom	6.2	1	26.5	7.9	30.8	4.5	67.1	4.2	2.9			
				2	26.6	7.9	30.7	4.6	67.3	4.1	2.4								
		TCE-C2	Cloudy	Rough	16:28	12.8	Surface	1.0	1	28.8	7.9	24.7	6.3	93.4	2.8	3.0	6.0	6.0	6.7
									2	28.8	7.9	24.7	6.3	93.3	2.8	3.3			
							Middle	6.4	1	28.4	7.9	26.0	5.7	85.0	7.9	4.9			
							Bottom	11.8	1	28.4	7.9	26.0	5.7	84.9	7.9	4.6			
				2	26.9	7.8	29.1	4.1	61.1	7.2	12.3								
		TCE-WQM1	Fine	Moderate	15:10	8.1	Surface	1.0	1	28.8	7.9	25.7	5.5	82.7	4.8	6.1	5.5	5.2	5.5
									2	28.8	7.9	25.7	5.5	82.6	4.8	5.8			
	Middle						4.1	1	28.7	7.9	25.8	5.4	81.2	5.5	5.9				
	Bottom						7.1	1	28.7	7.9	25.8	5.5	81.5	5.2	5.0				
			2	28.7	7.9	25.8	5.5	81.7	5.2	4.6									
	TCE-WQM2a	Cloudy	Rough	15:51	7.3	Surface	1.0	1	28.5	7.9	26.3	5.2	78.0	3.2	6.0	5.2	4.3	7.1	
								2	28.5	7.9	26.3	5.2	78.0	3.2	6.3				
						Middle	3.7	1	28.3	7.9	26.6	5.2	77.6	4.5	7.2				
						Bottom	6.3	1	27.7	7.8	27.5	4.8	71.4	5.1	8.0				
			2	27.8	7.8	27.5	4.8	71.5	5.1	7.6									
	TCE-WQM2b	Cloudy	Rough	16:04	8.8	Surface	1.0	1	29.1	7.9	24.1	6.6	97.9	1.9	3.0	5.9	6.4	5.0	
								2	29.1	7.9	24.2	6.6	97.8	1.9	3.4				
						Middle	4.4	1	28.2	7.9	26.1	5.2	77.6	7.5	4.4				
						Bottom	7.8	1	28.2	7.9	26.1	5.3	77.8	7.6	4.9				
		2	28.1	7.8	26.2	5.1	75.1	9.7	7.3										
TCE-WQM3A	Cloudy	Moderate	15:40	3.5	Surface	1.0	1	28.7	7.9	25.0	5.3	79.3	7.6	4.2	5.3	8.5	5.3		
							2	28.7	7.9	25.0	5.3	79.1	7.5	4.9					
					Bottom	2.5	1	28.5	7.8	25.5	4.9	73.0	9.5	5.8					
							2	28.5	7.8	25.5	4.9	73.1	9.4	6.3					
TCE-WQM4	Fine	Moderate	15:29	3.8	Surface	1.0	1	29.2	7.9	25.0	6.1	90.8	3.7	5.8	6.1	5.1	6.6		
							2	29.2	7.9	25.0	6.1	90.7	3.8	5.8					
					Bottom	2.8	1	28.8	7.8	25.6	5.1	76.7	6.4	7.1					
							2	28.9	7.8	25.6	5.2	77.2	6.4	7.6					
2021-08-13	Mid-Flood	TCE-C1	Rainy	Moderate	10:48	9.0	Surface	1.0	1	27.8	7.9	26.2	5.4	79.2	3.3	6.4	4.7	5.5	7.4
									2	27.7	7.9	26.2	5.4	79.1	3.2	6.9			
							Middle	4.5	1	26.2	7.9	31.4	4.0	58.5	6.5	7.6			
							Bottom	8.0	1	25.9	7.9	32.2	3.8	55.5	6.7	8.1			
				2	25.9	7.9	32.2	3.8	55.6	6.8	8.0								
		TCE-C2	Rainy	Moderate	8:50	14.8	Surface	1.0	1	27.2	7.8	28.3	4.6	68.1	3.0	5.4	4.2	6.0	4.7
									2	27.2	7.8	28.3	4.6	68.1	3.0	5.2			
							Middle	7.4	1	25.6	7.8	31.7	3.7	54.3	5.7	4.4			
							Bottom	13.8	1	25.4	7.8	32.2	3.7	53.8	9.5	4.0			
				2	25.4	7.8	32.2	3.7	53.8	9.3	4.3								
		TCE-WQM1	Rainy	Moderate	10:01	9.5	Surface	1.0	1	28.8	7.8	25.6	5.2	77.3	6.0	3.6	5.2	6.2	3.3
									2	28.8	7.8	25.6	5.2	77.6	6.2	3.5			
	Middle						4.8	1	28.8	7.8	25.6	5.2	77.6	6.2	3.3				
	Bottom						8.5	1	28.8	7.8	25.6	5.2	78.0	6.5	2.6				
			2	28.8	7.8	25.6	5.2	78.0	6.6	2.9									
	TCE-WQM2a	Rainy	Moderate	9:27	8.8	Surface	1.0	1	28.7	7.9	24.5	5.7	85.1	2.8	5.4	5.1	4.0	4.5	
								2	28.7	7.9	24.5	5.7	85.1	2.8	5.0				
						Middle	4.4	1	27.7	7.8	27.2	4.4	65.6	5.9	4.7				
						Bottom	7.8	1	27.7	7.8	27.2	4.4	65.6	5.9	4.4				
			2	27.5	7.8	27.7	4.4	64.7	3.3	3.9									
	TCE-WQM2b	Rainy	Moderate	9:15	11.2	Surface	1.0	1	28.1	7.8	26.3	5.0	73.3	5.3	4.1	4.7	5.7	4.9	
								2	28.1	7.8	26.3	5.0	73.3	5.3	4.4				
						Middle	5.6	1	27.5	7.8	27.7	4.5	66.1	6.7	4.8				
						Bottom	10.2	1	26.3	7.8	30.4	4.1	60.0	5.2	5.9				
		2	26.3	7.8	30.4	4.1	60.3	5.3	5.4										
TCE-WQM3A	Rainy	Moderate	9:38	4.2	Surface	1.0	1	28.7	7.9	24.4	5.6	83.5	3.5	3.1	5.6	3.6	4.1		
							2	28.7	7.9	24.4	5.6	83.6	3.5	3.5					
					Bottom	3.2	1	28.7	7.8	24.5	5.6	82.3	3.7	4.7					
							2	28.7	7.8	24.5	5.6	82.3	3.8	5.1					
TCE-WQM4	Rainy	Moderate	9:49	4.0	Surface	1.0	1	28.7	7.8	25.4	5.2	77.5	4.2	4.0	5.2	7.1	4.3		
							2	28.7	7.8	25.4	5.2	77.5	4.2	3.6					
					Bottom	3.0	1	28.6	7.8	25.9	5.1	76.3	10.1	4.8					
							2	28.6	7.8	25.9	5.1	76.4	10.1	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)
2021-08-16	Mid-Ebb	TCE-C1	Cloudy	Rough	8:08	7.9	Surface	1.0	1	28.3	7.8	23.4	5.7	83.0	2.9	6.9	5.6	4.0	5.3
									2	28.3	7.8	23.4	5.7	83.0	2.9	7.4			
							Middle	4.0	1	28.3	7.8	23.6	5.6	82.1	3.2	5.0			
							Bottom	6.9	1	28.3	7.8	23.9	5.3	78.1	5.7	4.1			
				2	28.3	7.8	23.9	5.3	78.2	5.8	3.9								
		TCE-C2	Cloudy	Rough	6:15	14.2	Surface	1.0	1	27.9	7.8	23.6	5.5	80.0	2.7	3.1	5.3	3.8	3.6
									2	27.9	7.8	23.6	5.5	79.9	2.6	3.2			
							Middle	7.1	1	27.7	7.7	24.6	5.1	74.4	4.2	3.5			
							Bottom	13.2	1	27.3	7.7	24.5	5.1	74.4	4.2	3.8			
				2	27.3	7.7	25.9	4.9	71.2	4.4	4.1								
		TCE-WQM1	Cloudy	Rough	7:29	9.5	Surface	1.0	1	28.3	7.8	23.4	5.7	83.0	2.8	3.4	5.6	5.5	2.9
									2	28.3	7.8	23.4	5.7	82.9	2.9	3.6			
	Middle						4.8	1	28.3	7.8	23.6	5.5	80.1	3.4	3.1				
	Bottom						8.5	1	28.3	7.8	23.6	5.5	80.0	3.5	2.8				
			2	28.1	7.8	24.7	5.0	72.8	10.3	2.3									
	TCE-WQM2a	Rainy	Rough	6:59	7.9	Surface	1.0	1	28.0	7.9	22.6	5.8	83.4	3.2	3.1	5.6	4.8	3.5	
								2	28.0	7.9	22.6	5.8	83.4	3.2	3.3				
						Middle	4.0	1	27.8	7.9	23.1	5.5	80.1	3.6	3.3				
						Bottom	6.9	1	27.8	7.9	23.1	5.5	80.0	3.5	3.6				
			2	27.0	7.8	27.0	4.6	67.3	7.6	4.0									
	TCE-WQM2b	Rainy	Rough	6:49	10.8	Surface	1.0	1	27.9	7.9	22.5	5.6	81.6	3.9	2.5	5.4	6.0	3.4	
								2	27.9	7.8	22.6	5.6	81.5	3.9	3.0				
						Middle	5.4	1	27.5	7.8	24.9	5.1	74.3	5.9	3.4				
						Bottom	9.8	1	26.9	7.8	27.3	4.6	66.8	8.2	4.1				
		2	26.9	7.8	27.3	4.6	67.0	8.3	4.5										
TCE-WQM3A	Rainy	Rough	7:09	4.2	Surface	1.0	1	27.9	7.9	22.9	5.6	80.7	3.7	2.6	5.6	4.5	3.1		
							2	27.9	7.8	22.9	5.6	80.6	3.8	2.9					
					Bottom	3.2	1	27.5	7.8	25.0	5.1	74.6	5.2	3.6					
		2	27.5	7.8	25.0	5.1	74.7	5.3	3.3										
TCE-WQM4	Rainy	Rough	7:18	3.9	Surface	1.0	1	28.3	7.8	24.0	5.4	79.7	6.0	2.8	5.4	4.8	3.1		
							2	28.3	7.8	24.0	5.4	79.6	6.1	2.6					
					Bottom	2.9	1	28.3	7.8	24.0	5.3	78.3	3.5	3.2					
		2	28.3	7.8	24.0	5.3	78.0	3.5	3.7										
2021-08-16	Mid-Flood	TCE-C1	Cloudy	Rough	11:56	7.2	Surface	1.0	1	28.1	7.9	23.2	6.1	88.2	2.7	4.0	5.4	4.4	3.5
									2	28.2	7.9	23.2	6.1	88.2	2.7	3.7			
							Middle	3.6	1	27.6	7.8	24.8	4.8	70.4	5.1	3.5			
							Bottom	6.2	1	27.6	7.8	24.8	4.8	70.5	5.1	3.3			
				2	27.1	7.8	26.6	4.3	63.2	5.4	3.2								
		TCE-C2	Cloudy	Rough	14:07	13.6	Surface	1.0	1	27.6	7.9	25.8	5.8	85.4	2.7	5.8	4.9	5.8	8.1
									2	27.6	7.9	25.8	5.8	85.3	2.7	5.4			
							Middle	6.8	1	25.7	7.8	30.5	4.0	57.8	7.2	7.0			
							Bottom	12.6	1	25.7	7.8	30.4	4.0	57.9	7.2	7.6			
				2	25.1	7.8	31.9	3.8	55.3	7.5	11.2								
		TCE-WQM1	Cloudy	Rough	12:51	8.5	Surface	1.0	1	28.8	7.9	23.8	6.0	89.3	2.9	2.4	5.8	6.4	3.8
									2	28.8	7.9	23.8	6.0	89.3	2.9	2.8			
	Middle						4.3	1	28.3	7.9	24.1	5.7	82.9	5.3	3.7				
	Bottom						7.5	1	28.3	7.9	24.1	5.7	82.9	5.4	3.4				
			2	27.9	7.8	25.1	5.0	73.3	10.8	5.4									
	TCE-WQM2a	Cloudy	Rough	13:27	7.5	Surface	1.0	1	27.9	7.8	25.1	5.0	73.4	10.9	5.0	5.0	4.5	5.3	
								2	27.9	7.8	25.1	5.0	73.4	10.9	5.0				
						Middle	3.8	1	27.5	7.8	25.7	5.0	73.6	4.7	5.3				
						Bottom	6.5	1	27.1	7.8	26.9	4.7	68.7	5.8	4.6				
			2	27.1	7.8	26.9	4.7	68.8	5.7	4.9									
	TCE-WQM2b	Cloudy	Rough	13:40	9.8	Surface	1.0	1	27.9	7.9	24.7	5.7	84.0	2.9	6.1	5.3	6.0	5.6	
								2	27.9	7.9	24.7	5.7	83.9	2.9	5.9				
						Middle	4.9	1	27.4	7.8	26.1	4.9	71.4	7.9	5.5				
						Bottom	8.8	1	27.4	7.8	26.1	4.9	71.3	7.9	5.8				
		2	26.8	7.8	27.9	4.4	64.7	7.1	5.1										
TCE-WQM3A	Cloudy	Rough	13:16	3.6	Surface	1.0	1	28.5	7.9	23.3	6.3	91.9	3.4	3.7	6.3	5.6	4.6		
							2	28.5	7.9	23.3	6.3	91.7	3.3	4.0					
					Bottom	2.6	1	28.4	7.9	23.5	6.2	90.3	7.7	5.7					
		2	28.4	7.9	23.5	6.2	90.2	7.8	5.1										
TCE-WQM4	Cloudy	Rough	13:05	3.9	Surface	1.0	1	28.2	7.9	24.0	5.9	86.2	4.6	4.6	5.9	8.7	5.9		
							2	28.2	7.9	24.0	5.9	86.2	4.6	4.9					
					Bottom	2.9	1	28.0	7.9	24.3	5.8	84.2	12.7	7.2					
		2	28.0	7.9	24.3	5.8	84.3	12.8	6.8										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-08-18	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:44	8.0	Surface	1.0	1	29.2	8.2	16.1	7.8	110.6	3.9	2.5	7.4	4.6	3.0
									2	29.2	8.2	16.1	7.7	110.3	3.9	2.1			
							Middle	4.0	1	28.6	8.2	20.1	7.0	101.0	3.7	3.1			
							Bottom	7.0	1	27.7	8.1	22.9	7.0	100.7	3.7	2.8			
						2	27.1	8.1	25.9	5.5	80.6	6.2	3.8	5.5					
				2	28.8	8.2	20.9	7.9	114.0	3.6	2.8								
		Middle	6.5	1	27.6	8.1	24.4	6.4	92.8	8.7	3.0								
		Bottom	12.0	1	26.3	8.0	24.4	6.4	92.7	8.9	3.4								
						2	26.2	8.0	29.0	4.8	69.3	10.5	4.4	4.8					
				2	29.2	8.1	21.9	6.8	99.6	3.7	6.0								
		Middle	4.1	1	27.4	8.0	26.4	4.2	60.9	5.2	4.7								
		Bottom	7.2	1	26.6	8.0	28.3	3.8	54.8	7.8	3.4								
					2	26.6	7.9	28.3	3.8	55.1	8.3	3.8	3.8						
			2	28.8	8.1	22.1	7.0	102.8	4.3	2.2									
	Middle	3.7	1	28.2	8.1	22.9	6.7	97.9	4.7	5.0									
	Bottom	6.4	1	27.0	8.0	26.0	5.9	85.0	5.8	6.6									
					2	27.0	8.0	26.0	5.9	85.0	5.8	6.3	5.9						
			2	28.8	8.1	19.8	7.2	103.3	3.8	2.9									
	Middle	5.8	1	28.4	8.1	22.7	6.3	91.4	5.3	3.7									
	Bottom	10.6	1	28.3	8.0	22.7	6.2	90.9	5.3	3.9									
					2	25.0	8.0	31.8	4.1	58.7	13.4	4.4	4.1						
			2	29.2	8.1	31.9	4.1	59.0	13.3	4.5									
	Middle	3.6	1	28.5	8.1	23.3	6.1	89.6	11.0	2.4									
	Bottom	2.6	1	28.2	8.0	24.0	5.7	83.3	11.8	3.2									
				2	28.2	8.0	24.0	5.7	83.3	11.8	3.4	5.7							
		2	29.3	8.1	21.8	7.4	109.0	3.9	2.0										
Middle	3.1	1	29.3	8.1	21.8	7.4	109.0	3.9	2.3										
Bottom	2.1	1	29.4	8.0	22.9	6.4	94.3	5.3	3.0										
				2	29.4	8.0	22.9	6.4	94.4	5.3	3.1	6.4							
		2	29.2	8.2	16.8	7.8	111.6	3.8	2.3										
Middle	4.3	1	28.9	8.2	18.8	7.5	108.4	3.5	2.1										
Bottom	7.5	1	27.1	8.1	22.0	5.0	79.9	7.8	1.5										
				2	27.0	8.1	27.5	5.2	75.4	7.4	1.7	5.1							
		2	29.3	8.3	20.6	8.7	127.1	4.9	5.6										
Middle	6.3	1	26.5	8.2	27.4	5.0	71.9	7.6	4.4										
Bottom	11.6	1	26.4	8.2	27.4	5.0	71.7	7.8	4.0										
				2	25.9	8.2	30.0	4.0	58.6	9.1	3.6	4.0							
		2	29.3	8.3	20.6	8.7	126.9	5.0	5.1										
Middle	8.2	1	29.4	8.3	21.8	7.9	117.0	3.7	5.6										
Bottom	1.0	1	29.4	8.3	21.8	7.9	117.0	3.8	5.2										
				2	29.4	8.3	21.8	7.9	117.0	3.7	5.6	7.0							
		2	29.0	8.1	23.1	6.1	89.8	8.2	4.3										
Middle	4.1	1	29.0	8.1	23.2	6.1	89.5	8.5	4.6										
Bottom	7.2	1	27.1	8.1	27.5	3.9	57.0	14.4	3.7										
				2	27.1	8.1	27.5	3.9	57.2	13.3	4.0	3.9							
		2	29.4	8.3	22.1	8.6	127.3	4.2	2.9										
Middle	3.4	1	29.0	8.2	22.7	7.5	109.8	4.7	3.3										
Bottom	5.8	1	29.0	8.2	22.7	7.5	109.8	4.7	3.6										
				2	28.0	8.1	25.1	5.6	82.9	12.0	3.9	5.6							
		2	29.3	8.2	19.0	7.5	108.0	3.9	5.0										
Middle	11.2	1	29.2	8.2	19.0	7.4	107.8	4.0	4.6										
Bottom	10.2	1	27.4	8.2	24.9	5.4	78.5	7.2	3.6										
				2	27.4	8.2	24.8	5.4	78.8	7.3	3.9	4.0							
		2	25.7	8.1	30.1	4.0	58.1	11.9	2.6										
Middle	3.2	1	29.0	8.1	21.5	8.3	121.9	7.3	3.4										
Bottom	2.2	1	28.4	8.1	23.6	6.0	88.6	13.4	4.6										
				2	28.4	8.1	23.6	6.0	88.6	13.9	4.3	6.0							
		2	29.2	8.2	22.1	7.3	107.9	4.6	2.6										
Middle	3.2	1	29.2	8.2	22.1	7.3	107.6	4.5	2.7										
Bottom	2.2	1	29.1	8.1	23.6	6.0	88.6	10.0	2.1										
				2	29.1	8.1	23.7	6.0	88.6	9.8	2.3	6.0							
		2	29.1	8.1	23.7	6.0	88.6	9.8	2.3										
Middle	3.2	1	29.2	8.2	22.1	7.3	107.9	4.6	2.6										
Bottom	2.2	1	29.1	8.1	23.6	6.0	88.6	10.0	2.1										

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)
2021-08-20	Mid-Ebb	TCE-C1	Sunny	Moderate	12:01	8.9	Surface	1.0	1	28.7	8.0	19.5	6.2	88.8	2.9	5.7	5.4	5.1	4.6
									2	28.7	8.0	19.5	6.2	88.8	2.9	5.6			
							Middle	4.5	1	26.3	7.9	28.9	4.6	66.6	5.3	4.6			
							Bottom	7.9	1	26.2	7.9	29.4	4.4	64.7	7.2	3.6			
				2	26.1	7.9	29.4	4.4	64.7	7.2	3.9								
		TCE-C2	Sunny	Moderate	9:59	13.6	Surface	1.0	1	28.1	8.0	23.3	6.7	96.9	2.6	4.0	6.0	4.5	5.6
				2	28.1	8.0	23.3	6.6	96.2	2.6	3.6								
		Middle	6.8	1	26.6	7.9	28.0	5.3	77.3	2.8	5.3								
		Bottom	12.6	1	26.6	7.9	28.0	5.3	77.1	2.8	5.6								
				2	26.2	7.9	29.1	4.6	66.6	8.0	7.9								
		TCE-WQM1	Sunny	Moderate	11:21	10.1	Surface	1.0	1	28.2	8.0	24.6	6.2	91.5	3.5	4.1	5.1	5.9	3.6
				2	28.2	8.0	24.6	6.2	91.5	3.5	3.6								
	Middle	5.1	1	26.6	7.9	28.0	4.1	59.3	6.5	3.4									
	Bottom	9.1	1	26.5	7.9	28.0	4.1	59.3	6.6	3.7									
			2	26.5	7.9	28.4	4.0	58.3	7.5	3.2									
	TCE-WQM2a	Sunny	Moderate	10:45	8.9	Surface	1.0	1	27.7	7.9	25.9	5.2	75.8	3.3	7.4	5.1	5.0	8.1	
			2	27.7	7.9	25.9	5.2	75.8	3.3	7.0									
	Middle	4.5	1	27.1	7.9	27.1	5.0	72.7	6.1	8.2									
	Bottom	7.9	1	26.8	7.9	28.0	4.9	71.4	5.6	8.9									
			2	26.8	7.9	28.0	4.9	71.6	5.6	8.6									
	TCE-WQM2b	Sunny	Moderate	10:33	11.8	Surface	1.0	1	28.4	8.0	23.3	6.5	94.6	2.3	2.8	6.0	3.1	3.3	
			2	28.4	8.0	23.3	6.4	94.4	2.3	2.5									
	Middle	5.9	1	27.4	7.9	25.5	5.6	82.0	3.3	3.1									
	Bottom	10.8	1	27.4	7.9	25.5	5.6	82.1	3.3	3.5									
		2	27.3	7.9	25.8	5.5	79.7	3.7	3.8										
TCE-WQM3A	Sunny	Moderate	10:58	4.6	Surface	1.0	1	27.9	7.9	24.4	4.9	71.0	7.7	7.6	4.9	8.5	8.3		
		2	27.9	7.9	24.4	4.8	70.7	7.7	7.1										
Bottom	3.6	1	27.0	7.8	27.4	4.1	59.6	9.3	9.1										
		2	27.0	7.8	27.4	4.1	59.7	9.3	9.5										
TCE-WQM4	Sunny	Moderate	11:09	4.2	Surface	1.0	1	28.6	8.0	24.0	7.0	103.1	3.2	4.1	7.0	5.1	4.4		
		2	28.6	8.0	24.0	7.0	102.6	3.2	4.2										
Bottom	3.2	1	27.9	7.9	24.7	4.7	69.3	6.9	4.5										
		2	27.9	7.9	24.7	4.8	69.5	6.9	4.8										
2021-08-20	Mid-Flood	TCE-C1	Fine	Rough	17:13	7.6	Surface	1.0	1	29.8	8.1	24.1	8.1	122.2	3.3	2.2	7.8	6.1	2.7
									2	29.8	8.1	24.1	8.1	122.3	3.2	2.5			
							Middle	3.8	1	28.7	8.1	24.5	7.4	109.5	4.5	2.6			
							Bottom	6.6	1	28.7	8.1	24.5	7.4	109.6	4.4	2.5			
				2	28.1	8.0	25.4	6.2	90.8	10.5	3.3								
		TCE-C2	Fine	Rough	19:08	12.6	Surface	1.0	1	29.2	8.1	22.1	7.3	106.7	2.0	6.1	6.4	3.7	5.0
				2	29.2	8.1	22.1	7.2	106.6	2.0	5.7								
		Middle	6.3	1	27.4	7.9	25.9	5.5	79.6	3.5	5.1								
		Bottom	11.6	1	26.5	7.9	28.1	4.6	66.9	5.5	4.4								
				2	26.5	7.9	28.2	4.6	66.8	5.5	4.0								
		TCE-WQM1	Fine	Moderate	18:00	8.9	Surface	1.0	1	29.4	8.1	24.2	8.2	123.1	3.7	4.3	7.2	6.3	3.4
				2	29.4	8.1	24.2	8.2	123.0	3.7	4.1								
		Middle	4.5	1	28.2	8.0	25.3	6.2	92.2	9.8	3.4								
		Bottom	7.9	1	28.2	8.0	25.3	6.2	92.1	9.7	3.0								
				2	27.2	7.9	26.8	5.0	73.0	5.5	2.7								
		TCE-WQM2a	Fine	Rough	18:34	7.5	Surface	1.0	1	28.9	8.0	24.7	7.2	107.4	4.2	3.5	6.7	6.3	4.8
				2	28.9	8.0	24.7	7.2	107.4	4.2	3.8								
		Middle	3.8	1	27.9	8.0	25.6	6.3	92.0	6.9	4.7								
		Bottom	6.5	1	27.9	8.0	25.7	6.3	91.9	7.0	5.1								
				2	27.6	7.9	26.3	5.7	83.2	7.8	5.6								
		TCE-WQM2b	Fine	Rough	18:44	9.8	Surface	1.0	1	29.3	8.0	21.7	7.1	105.2	3.5	4.1	6.5	4.7	4.9
				2	29.3	8.0	21.6	7.1	105.1	3.5	4.3								
		Middle	4.9	1	27.5	8.0	25.4	5.8	84.3	5.0	4.9								
		Bottom	8.8	1	27.5	8.0	25.4	5.8	84.2	5.1	4.6								
		2	27.0	7.9	26.8	5.2	76.1	5.6	5.9										
TCE-WQM3A	Fine	Moderate	18:22	3.6	Surface	1.0	1	28.9	8.1	24.7	7.4	109.5	4.2	3.7	7.4	3.2	3.0		
		2	28.9	8.0	24.7	7.4	109.4	4.2	3.6										
Bottom	2.6	1	28.5	8.0	25.2	6.9	102.7	2.2	2.4										
		2	28.5	8.0	25.1	6.9	102.8	2.3	2.4										
TCE-WQM4	Fine	Moderate	18:13	3.9	Surface	1.0	1	28.6	8.1	24.6	7.9	116.4	3.8	3.4	7.9	4.8	3.1		
		2	28.6	8.1	24.6	7.9	116.3	3.8	3.6										
Bottom	2.9	1	27.8	8.0	25.7	5.8	85.7	5.7	2.9										
		2	27.8	8.0	25.6	5.8	85.7	5.7	2.5										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-08-23	Mid-Ebb	TCE-C1	Sunny	Rough	12:00	7.9	Surface	1.0	1	27.7	7.9	25.4	5.6	82.2	3.4	4.8	5.3	4.5	5.8
									2	27.7	7.9	25.4	5.6	82.2	3.4	5.2			
							Middle	4.0	1	26.7	7.9	27.8	4.9	72.0	4.3	6.0			
							Bottom	6.9	1	25.7	7.9	30.3	4.2	61.7	5.7	6.7			
				2	25.7	7.9	30.3	4.2	61.0	5.8	6.5								
		TCE-C2	Sunny	Rough	13:37	15.2	Surface	1.0	1	28.0	7.9	25.1	5.2	75.7	3.4	5.8	4.6	5.1	6.3
									2	28.0	7.9	25.1	5.2	75.7	3.4	5.5			
							Middle	7.6	1	25.8	7.9	30.2	4.0	58.4	4.9	6.4			
							Bottom	14.2	1	25.8	7.9	30.2	4.0	58.4	4.9	6.2			
				2	25.3	7.9	31.2	3.8	55.6	7.0	6.9								
		TCE-WQM1	Sunny	Moderate	12:37	10.9	Surface	1.0	1	28.2	7.9	24.7	5.3	77.2	4.3	13.8	5.2	6.3	11.2
									2	28.2	7.9	24.7	5.3	77.2	4.2	14.0			
	Middle						5.5	1	28.2	7.9	24.7	5.2	77.1	6.7	10.7				
	Bottom						9.9	1	28.2	7.9	24.7	5.2	77.0	6.7	10.4				
			2	28.2	7.9	24.8	5.2	76.7	7.8	9.2									
	TCE-WQM2a	Sunny	Rough	13:08	8.9	Surface	1.0	1	27.8	7.9	25.7	4.9	72.3	5.6	6.8	4.9	6.8	6.3	
								2	27.8	7.9	25.7	4.9	72.3	5.6	7.1				
						Middle	4.5	1	27.6	7.9	26.0	4.8	70.7	8.1	6.3				
						Bottom	7.9	1	27.6	7.9	26.0	4.8	70.6	8.1	6.6				
			2	27.5	7.9	26.3	4.7	69.1	6.8	5.2									
	TCE-WQM2b	Sunny	Rough	13:21	12.3	Surface	1.0	1	28.5	7.9	23.7	5.4	79.2	4.0	7.3	5.1	6.4	8.4	
								2	28.5	7.9	23.7	5.4	79.1	4.1	7.0				
						Middle	6.2	1	27.9	7.9	25.1	4.9	71.5	7.1	8.2				
						Bottom	11.3	1	27.9	7.9	25.1	4.9	71.5	7.2	8.6				
		2	27.8	7.9	25.2	4.9	71.9	8.2	9.9										
TCE-WQM3A	Sunny	Moderate	12:59	5.1	Surface	1.0	1	27.9	7.9	25.7	5.0	73.4	3.3	5.0	5.0	4.3	5.6		
							2	27.9	7.9	25.7	5.0	73.4	3.3	4.8					
					Bottom	4.1	1	27.8	7.9	25.7	5.1	74.2	5.3	6.5					
		2	27.8	7.9	25.7	5.1	74.3	5.2	6.0										
TCE-WQM4	Sunny	Moderate	12:48	4.4	Surface	1.0	1	28.8	7.9	24.3	5.6	82.6	5.6	5.3	5.6	6.1	6.3		
							2	28.8	7.9	24.3	5.6	82.5	5.6	5.8					
					Bottom	3.4	1	28.7	7.9	24.4	5.4	79.6	6.5	7.2					
		2	28.7	7.9	24.4	5.4	79.3	6.6	6.8										
2021-08-23	Mid-Flood	TCE-C1	Sunny	Rough	8:15	7.6	Surface	1.0	1	27.4	7.9	25.6	5.3	77.4	3.6	3.1	4.5	6.9	3.7
									2	27.4	7.9	25.6	5.3	77.2	3.6	3.4			
							Middle	3.8	1	25.1	7.9	31.8	3.7	53.3	7.7	3.6			
							Bottom	6.6	1	25.0	7.9	31.9	3.7	53.0	7.8	3.9			
				2	24.6	7.9	33.0	3.7	53.1	9.4	4.3								
		TCE-C2	Sunny	Rough	6:17	13.8	Surface	1.0	1	26.7	7.8	27.7	4.6	67.2	3.4	3.8	4.1	7.0	4.6
									2	26.7	7.8	27.7	4.6	67.2	3.4	4.0			
							Middle	6.9	1	24.8	7.8	32.1	3.6	51.5	8.1	4.3			
							Bottom	12.8	1	24.8	7.8	32.1	3.6	51.5	8.2	4.6			
				2	24.7	7.8	32.3	3.6	51.5	9.5	5.5								
		TCE-WQM1	Sunny	Moderate	7:30	9.4	Surface	1.0	1	28.4	7.9	24.4	5.3	78.4	7.9	15.3	5.3	8.5	16.1
									2	28.4	7.9	24.4	5.3	78.4	7.8	15.5			
	Middle						4.7	1	28.4	7.9	24.4	5.3	78.3	8.5	15.9				
	Bottom						8.4	1	28.4	7.9	24.4	5.3	78.6	9.1	16.8				
			2	28.4	7.9	24.4	5.3	78.6	9.2	16.5									
	TCE-WQM2a	Sunny	Rough	6:56	8.7	Surface	1.0	1	28.4	7.9	23.4	5.4	79.3	3.1	5.2	5.0	5.1	6.2	
								2	28.4	7.9	23.4	5.4	79.3	3.1	5.5				
						Middle	4.4	1	27.5	7.8	25.8	4.5	66.2	5.7	6.3				
						Bottom	7.7	1	27.4	7.8	25.9	4.5	66.2	5.8	6.6				
			2	26.7	7.8	28.1	4.1	60.0	6.4	7.0									
	TCE-WQM2b	Sunny	Rough	6:43	11.8	Surface	1.0	1	27.7	7.9	25.4	5.0	72.8	6.0	5.2	4.9	6.6	6.3	
								2	27.7	7.9	25.4	5.0	72.7	6.0	5.5				
						Middle	5.9	1	27.5	7.9	25.8	4.8	70.1	4.7	6.0				
						Bottom	10.8	1	27.5	7.9	25.8	4.8	70.1	4.8	6.3				
		2	26.4	7.9	28.9	4.3	62.4	8.9	7.2										
TCE-WQM3A	Sunny	Moderate	7:08	4.1	Surface	1.0	1	28.4	7.9	23.1	5.4	79.5	3.5	6.9	5.4	3.8	7.0		
							2	28.4	7.9	23.1	5.4	79.4	3.6	6.4					
					Bottom	3.1	1	28.3	7.9	23.2	5.4	78.8	4.1	7.1					
		2	28.3	7.9	23.2	5.4	78.9	4.2	7.4										
TCE-WQM4	Sunny	Moderate	7:18	3.8	Surface	1.0	1	28.3	7.9	24.2	5.3	77.7	5.1	6.6	5.3	5.7	6.0		
							2	28.3	7.9	24.2	5.3	77.6	5.1	6.4					
					Bottom	2.8	1	28.3	7.9	24.4	5.3	77.4	6.2	5.5					
		2	28.3	7.9	24.3	5.3	77.6	6.3	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)	
2021-08-25	Mid-Ebb	TCE-C1	Fine	Calm	13:10	8.0	Surface	1.0	1	27.7	7.9	24.0	4.7	67.7	5.8	4.2	4.3	6.5	4.8	
									2	27.7	7.9	24.1	4.6	66.8	5.7	3.9				
							Middle	4.0	1	25.4	7.9	31.3	3.9	57.1	6.7	4.7				
							Bottom	7.0	1	25.4	7.9	31.4	3.9	57.4	6.6	4.9				
				2	25.5	7.9	31.4	4.1	59.8	7.1	5.4									
				2	25.5	7.9	31.4	4.2	60.6	7.0	5.9									
		TCE-C2	Fine	Calm	14:52	12.8	Surface	1.0	1	28.8	7.9	24.9	5.2	77.5	3.0	4.8	4.9	4.1	3.9	
									2	28.9	7.9	24.9	5.1	76.6	3.0	4.4				
							Middle	6.4	1	27.1	7.9	27.8	4.7	68.7	4.3	3.7				
							Bottom	11.8	1	27.0	7.9	27.8	4.7	68.4	4.4	3.9				
				2	26.8	7.9	28.1	4.7	69.1	5.1	3.1									
				2	26.8	7.9	28.1	4.8	70.6	5.0	3.2									
		TCE-WQM1	Fine	Calm	13:49	8.2	Surface	1.0	1	28.5	7.9	24.9	5.3	78.1	4.0	5.0	5.3	5.3	4.0	
									2	28.4	7.9	25.0	5.3	78.1	4.1	4.6				
							Middle	4.1	1	28.4	8.0	25.0	5.3	78.6	5.3	3.8				
							Bottom	7.2	1	28.4	8.0	25.0	5.4	79.0	5.3	4.1				
				2	28.4	8.0	25.0	5.8	85.2	6.5	3.4									
				2	28.4	8.0	25.0	5.9	86.8	6.4	3.0									
		TCE-WQM2a	Fine	Calm	14:20	7.0	Surface	1.0	1	28.0	7.9	25.8	4.9	72.3	2.8	8.4	4.9	3.5	9.4	
									2	28.0	7.9	25.8	4.9	72.3	2.8	8.7				
							Middle	3.5	1	27.1	7.9	26.6	4.8	70.1	3.2	9.3				
							Bottom	6.0	1	26.9	7.9	26.5	4.8	69.8	3.2	9.6				
				2	26.4	7.9	29.1	4.8	69.8	4.5	10.0									
				2	26.4	7.9	29.1	4.9	71.6	4.4	10.4									
	TCE-WQM2b	Fine	Calm	14:30	10.6	Surface	1.0	1	28.0	7.9	26.0	5.0	73.5	2.8	11.6	4.9	3.5	9.3		
								2	27.9	7.9	26.1	5.0	73.2	2.7	11.4					
						Middle	5.3	1	27.5	7.9	26.7	4.9	72.1	3.2	9.2					
						Bottom	9.6	1	27.4	7.9	26.8	4.9	71.9	3.2	9.5					
			2	27.3	7.9	27.1	5.0	73.3	4.4	6.8										
			2	27.3	7.9	27.0	5.1	75.4	4.5	7.1										
	TCE-WQM3A	Fine	Calm	14:10	4.0	Surface	1.0	1	28.4	7.9	25.0	5.0	73.5	4.4	7.7	5.0	5.0	8.9		
								2	28.4	7.9	25.0	5.0	73.5	4.5	8.0					
						Bottom	3.0	1	28.4	7.9	25.0	5.0	73.8	5.5	9.8					
			2	28.4	7.9	25.0	5.0	73.8	5.5	9.9										
	TCE-WQM4	Fine	Calm	13:59	3.6	Surface	1.0	1	28.3	7.9	25.0	5.0	73.6	5.3	8.0	5.0	5.8	7.0		
								2	28.3	7.9	25.0	5.0	73.6	5.4	7.6					
						Bottom	2.6	1	28.4	7.9	25.0	5.0	73.6	6.2	6.1					
			2	28.4	7.9	25.0	5.0	73.6	6.2	6.3										
	2021-08-25	Mid-Flood	TCE-C1	Fine	Calm	9:55	8.0	Surface	1.0	1	27.3	7.9	25.4	4.6	66.4	5.9	3.5	4.3	6.6	4.5
										2	27.3	7.9	25.1	4.5	65.8	5.9	3.3			
								Middle	4.0	1	25.4	7.9	31.4	4.0	58.6	6.5	4.1			
								Bottom	7.0	1	25.4	7.9	31.4	4.1	59.0	6.5	4.4			
					2	25.4	7.9	31.5	4.5	66.1	7.3	5.7								
					2	25.4	7.9	31.5	4.6	67.3	7.3	6.0								
			TCE-C2	Fine	Calm	8:04	12.8	Surface	1.0	1	27.5	7.8	25.4	4.7	68.8	4.3	5.4	4.4	5.5	4.7
										2	27.3	7.8	25.5	4.7	68.2	4.3	5.1			
								Middle	6.4	1	26.1	7.8	29.4	4.1	60.4	5.3	4.8			
								Bottom	11.8	1	26.1	7.8	29.5	4.2	60.6	5.3	4.5			
				2	26.1	7.8	29.5	4.2	61.3	6.8	4.2									
				2	26.1	7.8	29.5	4.2	61.8	6.9	4.0									
TCE-WQM1			Fine	Calm	9:09	8.2	Surface	1.0	1	28.3	7.9	25.2	5.0	74.0	4.1	8.3	5.1	5.3	7.6	
									2	28.3	7.9	25.2	5.0	74.1	4.1	8.7				
							Middle	4.1	1	28.3	7.9	25.3	5.1	75.5	5.3	7.8				
							Bottom	7.2	1	28.3	7.9	25.3	5.3	78.8	5.4	7.6				
				2	28.3	7.9	25.3	5.5	81.4	6.4	6.6									
				2	28.2	7.9	25.3	5.6	82.5	6.4	6.3									
TCE-WQM2a			Fine	Calm	8:37	7.0	Surface	1.0	1	28.1	7.9	25.0	4.9	72.1	5.6	3.5	4.9	6.4	3.9	
									2	28.1	7.9	25.0	4.9	72.1	5.6	3.3				
							Middle	3.5	1	27.9	7.9	25.5	4.9	71.6	6.6	4.0				
							Bottom	6.0	1	27.9	7.9	25.6	4.9	71.8	6.6	3.8				
				2	27.8	7.9	25.8	5.3	77.3	7.1	4.5									
				2	27.8	7.9	25.8	5.4	78.5	7.1	4.4									
TCE-WQM2b		Fine	Calm	8:25	10.4	Surface	1.0	1	27.8	7.9	25.7	4.7	68.7	3.5	5.9	4.7	4.6	4.6		
								2	27.8	7.9	25.7	4.7	68.9	3.5	5.4					
						Middle	5.2	1	27.7	7.9	25.8	4.8	69.9	4.5	4.8					
						Bottom	9.4	1	27.7	7.9	25.9	4.8	70.1	4.4	4.6					
			2	27.8	7.9	25.9	5.0	73.0	5.8	3.4										
			2	27.8	7.9	25.9	5.2	77.0	5.9	3.7										
TCE-WQM3A		Fine	Calm	8:50	4.0	Surface	1.0	1	28.0	7.9	24.8	5.2	76.8	7.0	4.1	5.3	7.0	4.9		
								2	27.9	7.9	24.9	5.4	78.6	6.9	4.5					
						Bottom	3.0	1	27.8	7.9	24.9	5.8	85.2	7.0	5.7					
			2	27.7	7.9	25.0	5.9	86.0	7.0	5.3										
TCE-WQM4		Fine	Calm	8:56	3.6	Surface	1.0	1	28.2	7.9	24.7	5.0	72.8	6.2	4.8	5.0	6.7	4.2		
								2	28.2	7.9	24.7	5.0	73.1	6.2	4.4					
						Bottom	2.6	1	28.2	7.9	24.7	5.0	73.7	7.2	3.9					
			2	28.2	7.9	24.7	5.0	73.9	7.2	3.6										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2021-08-27	Mid-Ebb	TCE-C1	Rainy	Moderate	14:08	8.0	Surface	1.0	1	27.0	7.9	27.7	3.7	53.6	4.5	8.4	3.7	5.7	6.9
									2	26.8	7.9	28.2	3.6	53.2	4.6	8.6			
							Middle	4.0	1	25.2	7.9	31.9	3.7	53.5	5.6	8.0			
							Bottom	7.0	1	25.2	7.9	31.9	3.7	53.9	5.7	7.6			
				2	25.2	7.9	31.9	4.0	58.3	6.8	4.6	4.0							
				2	25.2	7.9	31.9	4.0	58.1	6.8	4.4								
		Surface	1.0	1	27.0	7.8	27.8	4.7	68.8	3.0	6.8								
				2	27.0	7.8	27.9	4.7	68.4	3.1	7.0								
				1	26.8	7.8	28.5	4.4	64.8	4.2	6.3	4.6	4.1	6.3					
				2	26.8	7.9	28.5	4.4	65.0	4.2	6.6								
		Bottom	14.8	1	26.8	7.9	28.5	4.5	65.4	5.1	5.7								
				2	26.8	7.9	28.5	4.5	65.5	5.2	5.2								
			1	27.9	7.9	25.8	4.8	71.1	7.4	13.4	4.8	8.5	12.4						
			2	27.9	7.9	25.8	4.8	71.1	7.4	13.8									
	Middle	4.3	1	27.9	7.9	25.8	4.8	71.1	8.8	12.3									
	Bottom	7.6	1	27.8	7.9	25.8	4.8	71.1	8.8	11.9									
			2	27.9	7.9	25.8	4.9	72.4	9.4	11.4	4.9								
			2	27.9	7.9	25.8	4.9	72.7	9.4	11.6									
	Surface	1.0	1	27.6	7.9	26.3	4.9	72.2	5.8	8.4				4.6	6.9	7.0			
			2	27.6	7.9	26.3	4.9	72.2	5.8	8.2									
	Middle	4.1	1	27.0	7.9	28.1	4.3	63.3	6.9	7.4									
	Bottom	7.2	1	26.6	7.9	29.1	4.2	61.9	7.9	5.6									
			2	26.7	7.9	28.9	4.2	62.1	7.9	5.1	4.2								
			2	26.7	7.9	28.9	4.2	62.1	7.9	5.1									
Surface	1.0	1	27.7	7.9	25.8	5.0	73.6	4.2	6.5	4.9				5.3	5.6				
		2	27.7	7.9	25.9	5.0	73.3	4.3	6.1										
Middle	5.6	1	27.4	7.9	27.1	4.7	69.6	5.0	5.8										
Bottom	10.2	1	27.4	7.9	27.1	4.8	69.8	5.1	5.4										
		2	27.4	7.9	27.1	4.8	71.1	6.6	5.0	4.8									
		2	27.4	7.9	27.1	4.9	71.5	6.5	5.0										
Surface	1.0	1	27.8	7.9	25.7	5.1	75.3	8.3	12.1				5.1	9.0	13.5				
		2	27.8	7.9	25.7	5.1	75.5	8.4	12.2										
Bottom	3.0	1	27.8	7.9	25.7	5.2	76.2	9.9	14.6										
		2	27.8	7.9	25.7	5.2	76.5	9.4	15.2										
		1	27.6	7.9	26.0	5.2	75.9	7.5	7.2	5.2	8.0	8.0							
		2	27.6	7.9	26.0	5.2	76.1	7.4	7.7										
Bottom	3.0	1	27.6	7.9	26.0	5.3	77.9	8.6	8.4										
		2	27.6	7.9	26.0	5.3	78.4	8.5	8.7										
		1	27.8	7.9	24.7	4.7	68.6	3.6	4.9	4.4	4.5	4.3							
		2	27.9	7.9	24.3	4.7	67.8	3.6	4.6										
Middle	4.0	1	25.9	7.9	30.6	4.1	59.5	4.5	4.5										
Bottom	7.0	1	25.5	7.9	31.4	4.3	62.4	5.7	3.6										
		2	25.5	7.9	31.3	4.4	63.8	5.6	3.9	4.3									
		2	25.5	7.9	31.3	4.4	63.8	5.6	3.9										
Surface	1.0	1	27.6	7.7	26.4	4.8	70.3	7.8	9.5				4.6	8.7	8.5				
		2	27.6	7.7	26.5	4.8	70.1	7.8	9.5										
Middle	6.4	1	26.8	7.7	28.1	4.3	63.5	8.7	8.4										
Bottom	11.8	1	26.8	7.7	28.1	4.3	63.3	8.7	8.4										
		2	26.8	7.7	28.2	4.3	63.2	9.8	7.6	4.3									
		2	26.8	7.7	28.2	4.3	63.2	9.7	7.7										
Surface	1.0	1	27.0	7.9	27.8	4.2	61.5	4.1	5.9				4.1	5.3	4.7				
		2	27.0	7.9	27.9	4.1	61.5	4.1	5.8										
Middle	4.1	1	25.2	7.9	31.8	4.0	57.8	5.3	4.7										
Bottom	7.2	1	25.2	7.9	31.9	4.0	58.6	5.2	4.5										
		2	25.2	7.9	31.9	4.5	65.4	6.7	3.5	4.5									
		2	25.2	7.9	31.8	4.5	65.8	6.7	3.7										
Surface	1.0	1	27.9	7.8	25.9	4.8	71.1	5.5	8.3				4.8	6.0	7.1				
		2	27.9	7.8	25.9	4.8	71.1	5.5	7.9										
Middle	3.5	1	27.9	7.8	25.9	4.8	70.5	5.9	7.3										
Bottom	6.0	1	27.8	7.8	26.0	4.8	70.5	5.8	7.1										
		2	27.8	7.8	26.2	4.8	70.6	6.5	6.0	4.8									
		2	27.8	7.8	26.3	4.8	70.7	6.6	6.2										
Surface	1.0	1	27.5	7.8	26.6	4.7	68.2	6.9	9.7				4.5	7.8	8.9				
		2	27.3	7.8	26.7	4.6	67.7	6.9	9.7										
Middle	5.2	1	26.8	7.8	27.1	4.5	65.2	7.6	9.2										
Bottom	9.4	1	26.7	7.8	27.3	4.4	64.3	7.6	9.2										
		2	25.8	7.8	30.5	4.1	59.7	8.9	7.7	4.1									
		2	25.8	7.8	30.5	4.2	61.2	8.9	8.0										
Surface	1.0	1	27.9	7.9	26.1	5.0	74.2	7.9	10.5				5.0	8.6	9.9				
		2	27.9	7.9	26.1	5.1	74.5	8.0	11.0										
Bottom	3.0	1	27.9	7.9	26.1	5.2	76.7	9.2	9.2										
		2	27.9	7.9	26.1	5.3	77.6	9.1	8.7										
		1	27.9	7.8	26.1	4.7	69.9	5.1	10.3	4.7	5.9	10.2							
		2	27.9	7.8	26.1	4.8	70.0	5.0	10.5										
Bottom	2.6	1	27.9	7.8	26.1	4.8	70.9	6.7	10.0										
		2	27.9	7.8	26.1	4.8	71.3	6.6	9.8										

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)
2021-08-30	Mid-Ebb	TCE-C1	Fine	Rough	16:06	7.7	Surface	1.0	1	28.0	7.9	24.1	6.0	87.8	3.6	2.8	5.7	5.2	2.6
									2	27.9	7.9	24.1	6.0	87.7	3.6	3.1			
							Middle	3.9	1	27.2	7.9	26.0	5.5	79.5	3.9	2.7			
							Bottom	6.7	1	27.2	7.9	26.0	5.5	79.4	3.9	2.4			
				2	26.1	7.9	29.8	4.1	60.1	8.1	2.4								
				2	26.9	7.9	29.8	4.1	60.3	8.1	2.1								
				2	26.9	7.9	29.0	4.6	67.5	3.4	4.8								
				2	26.9	7.9	29.0	4.6	67.4	3.4	5.1								
		Middle	7.6	1	25.3	7.8	31.4	3.5	50.4	3.5	4.2	4.0	3.7	4.2					
				2	25.3	7.8	31.4	3.5	50.6	3.5	4.1								
		Bottom	14.2	1	25.0	7.8	32.1	3.4	49.6	4.4	3.6								
				2	25.0	7.8	32.1	3.4	49.9	4.4	3.3								
			2	25.0	7.8	32.1	3.4	49.9	4.4	3.3									
			2	28.0	7.8	27.7	5.4	79.8	5.0	4.7									
			2	28.0	7.8	27.7	5.4	79.7	5.0	5.1									
	Middle	4.8	1	27.4	7.8	27.8	4.8	70.6	6.0	4.9	5.1	6.8	4.7						
			2	27.4	7.8	27.8	4.8	70.5	6.1	4.7									
	Bottom	8.5	1	27.0	7.8	28.0	4.5	66.5	9.2	4.6									
			2	27.0	7.8	28.0	4.5	66.7	9.1	4.1									
			2	27.8	7.8	27.6	5.3	79.3	3.3	6.9									
			2	27.8	7.8	27.6	5.3	79.3	3.3	7.3									
	Middle	3.5	1	27.3	7.8	27.9	4.8	70.4	4.7	6.4	5.1	5.1	6.3						
			2	27.4	7.8	27.9	4.8	70.5	4.6	6.6									
	Bottom	6.0	1	26.3	7.8	29.4	3.9	56.5	7.2	5.0									
		2	26.3	7.8	29.4	3.9	56.6	7.3	5.4										
		2	27.6	7.9	28.0	5.1	75.1	3.5	4.5										
		2	27.6	7.9	28.0	5.1	74.8	3.5	4.3										
Middle	5.6	1	25.9	7.8	30.1	3.7	53.4	7.0	4.3	4.4	5.9	4.1							
		2	25.9	7.8	30.1	3.7	53.4	7.0	4.0										
Bottom	10.2	1	25.4	7.8	31.3	3.5	50.9	7.2	3.7										
		2	25.4	7.8	31.3	3.5	51.0	7.2	4.0										
		2	27.7	7.9	27.8	5.2	77.0	4.3	6.1										
		2	27.7	7.9	27.8	5.2	77.0	4.3	6.5										
Bottom	3.2	1	27.7	7.9	27.8	5.2	76.6	4.6	7.2	5.2	4.4	6.7							
		2	27.7	7.9	27.8	5.2	76.5	4.6	7.0										
		2	27.7	7.9	27.8	5.2	76.5	4.6	7.0										
		2	27.7	7.9	27.8	5.2	76.5	4.6	7.0										
		2	27.7	7.8	27.7	5.2	76.7	5.2	7.6										
		2	27.7	7.8	27.7	5.2	76.6	5.3	7.2										
Bottom	3.1	1	27.7	7.8	27.7	5.1	75.8	12.5	6.1	5.1	8.9	6.7							
		2	27.7	7.8	27.7	5.1	75.7	12.5	5.8										
		2	27.7	7.8	27.7	5.1	75.7	12.5	5.8										
		2	27.7	7.8	27.7	5.1	75.7	12.5	5.8										
2021-08-30	Mid-Flood	TCE-C1	Sunny	Moderate	12:54	7.5	Surface	1.0	1	27.7	7.9	24.6	5.7	82.8	3.0	2.5	5.1	6.0	1.6
									2	27.7	7.9	24.6	5.7	82.6	3.0	2.2			
							Middle	3.8	1	26.6	7.9	28.3	4.6	67.4	5.9	1.8			
									2	26.6	7.9	28.3	4.6	67.3	5.9	1.9			
							Bottom	6.5	1	26.1	7.9	29.8	4.1	60.2	9.2	0.8			
									2	26.1	7.9	29.7	4.1	60.2	9.2	0.6			
				2	27.3	7.8	27.6	4.6	68.3	3.8	3.2								
				2	26.1	7.8	29.5	3.8	54.7	4.0	5.3								
		Middle	7.1	1	26.1	7.8	29.5	3.8	54.7	4.0	5.1	4.2	5.0	4.8					
				2	26.1	7.8	29.5	3.8	54.7	4.0	5.1								
		Bottom	13.2	1	25.8	7.7	30.2	3.5	50.7	7.2	6.4								
				2	25.8	7.7	30.2	3.5	50.7	7.2	6.0								
				2	28.0	7.8	27.7	5.2	76.8	5.5	6.7								
				2	28.0	7.8	27.7	5.2	76.8	5.5	6.7								
		Middle	4.3	1	27.3	7.8	27.8	4.7	69.7	7.3	7.6	4.9	6.8	7.4					
				2	27.3	7.8	27.8	4.7	69.7	7.4	7.7								
		Bottom	7.5	1	27.0	7.8	27.8	4.7	69.1	7.7	7.8								
				2	27.0	7.8	27.8	4.7	69.2	7.6	8.0								
			2	27.7	7.8	27.5	5.1	75.1	2.9	2.5									
			2	27.7	7.8	27.5	5.1	75.1	2.9	2.5									
	Middle	3.6	1	27.2	7.8	27.7	4.7	69.4	3.6	3.6	4.9	3.9	3.7						
			2	27.2	7.8	27.7	4.7	69.4	3.6	3.4									
	Bottom	6.1	1	26.7	7.8	28.5	4.1	60.5	5.3	5.2									
			2	26.7	7.8	28.5	4.1	60.6	5.3	4.9									
			2	27.6	7.8	27.2	5.0	74.0	2.9	3.2									
			2	27.6	7.8	27.2	5.0	74.0	2.9	3.2									
	Middle	5.8	1	26.5	7.8	28.8	4.0	58.6	5.2	2.8	4.5	5.0	3.0						
			2	26.5	7.8	28.8	4.0	58.5	5.2	3.0									
	Bottom	10.6	1	25.9	7.8	30.2	3.7	53.2	7.0	2.6									
			2	25.9	7.8	30.2	3.7	53.3	6.9	2.9									
			2	27.5	7.8	27.5	4.5	66.8	6.5	6.6									
			2	27.5	7.8	27.5	4.5	66.8	6.5	6.6									
	Bottom	2.8	1	26.9	7.8	27.9	4.1	59.3	9.6	10.6	4.1	8.0	8.4						
			2	26.9	7.8	27.9	4.1	59.4	9.6	10.3									
			2	26.9	7.8	27.9	4.1	59.3	9.6	10.6									
			2	26.9	7.8	27.9	4.1	59.4	9.6	10.3									
		2	27.5	7.8	27.7	4.8	70.2	4.2	3.5										
		2	27.5	7.8	27.7	4.7	70.1	4.2	3.0										
Bottom	2.2	1	27.0	7.8	28.1	4.4	64.2	9.2	5.9	4.4	6.7	4.7							
		2	27.0	7.8	28.1	4.4	64.2	9.2	6.2										
		2	27.0	7.8	28.1	4.4	64.2	9.2	6.2										
		2	27.0	7.8	28.1	4.4	64.2	9.2	6.2										