

Annex G3

Monitoring Results for Water Quality

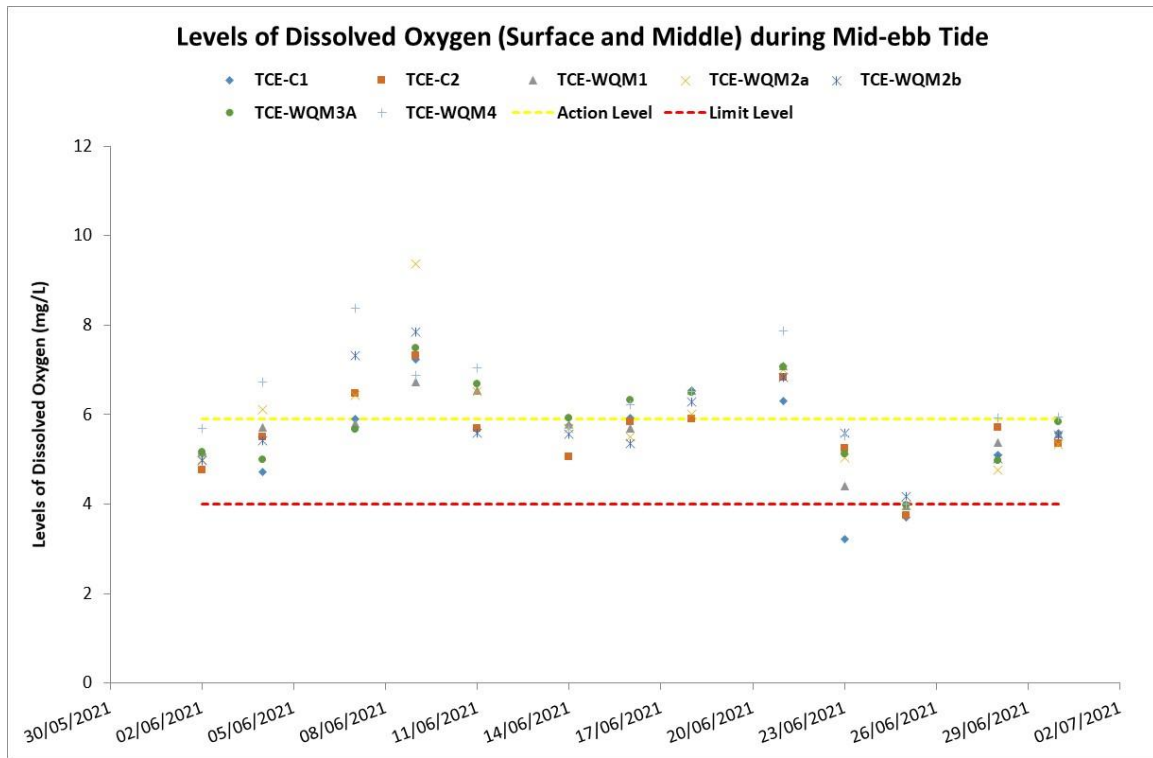


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 June 2021

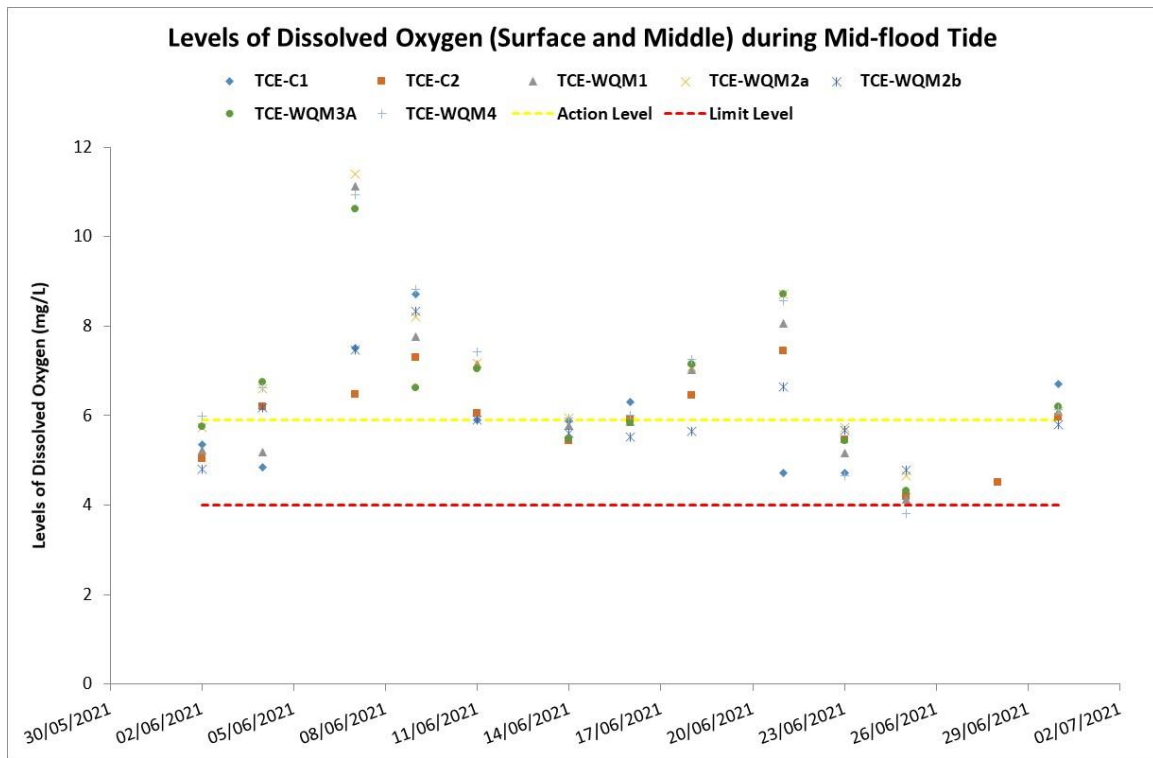


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 June 2021

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

Environmental Resources Management



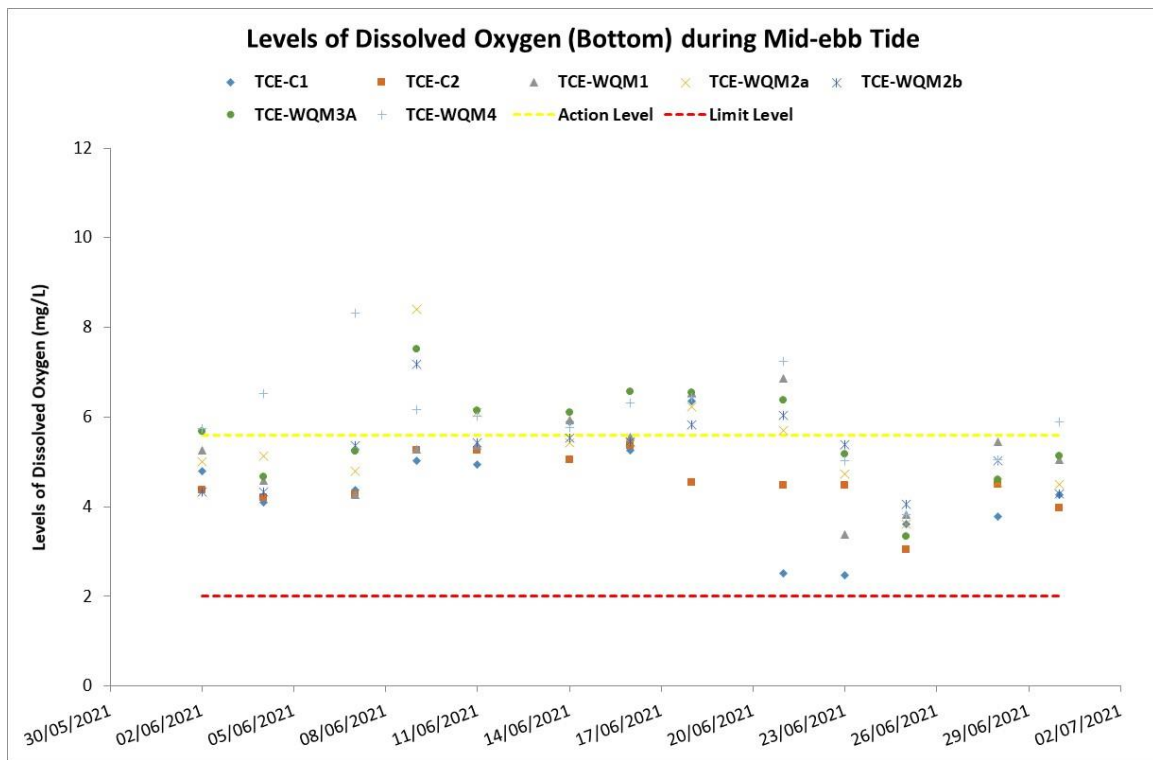


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 June 2021

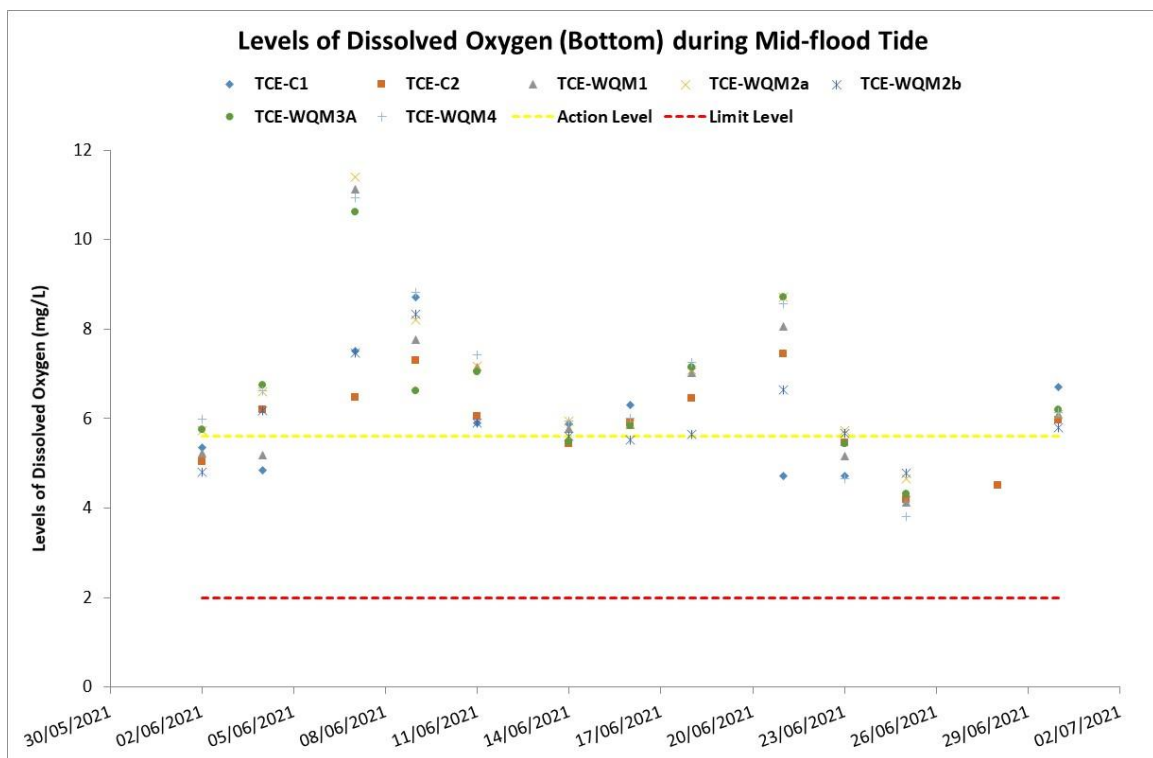


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 June 2021

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

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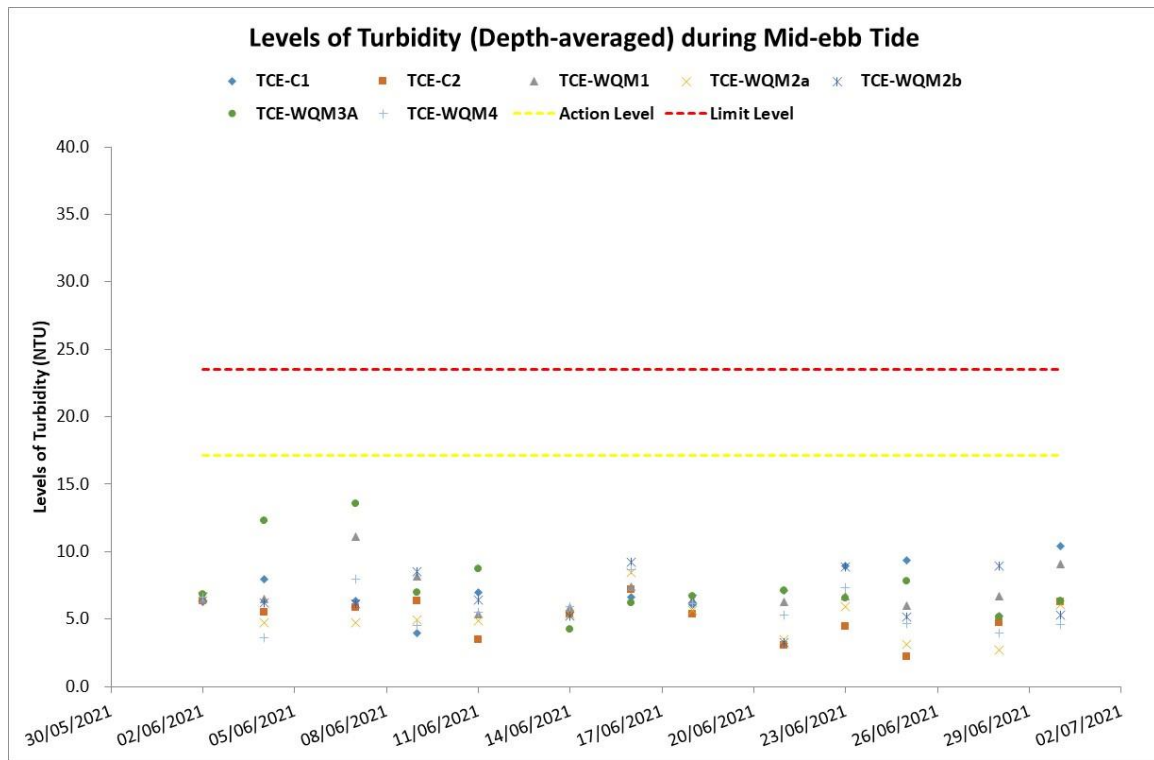


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 June 2021

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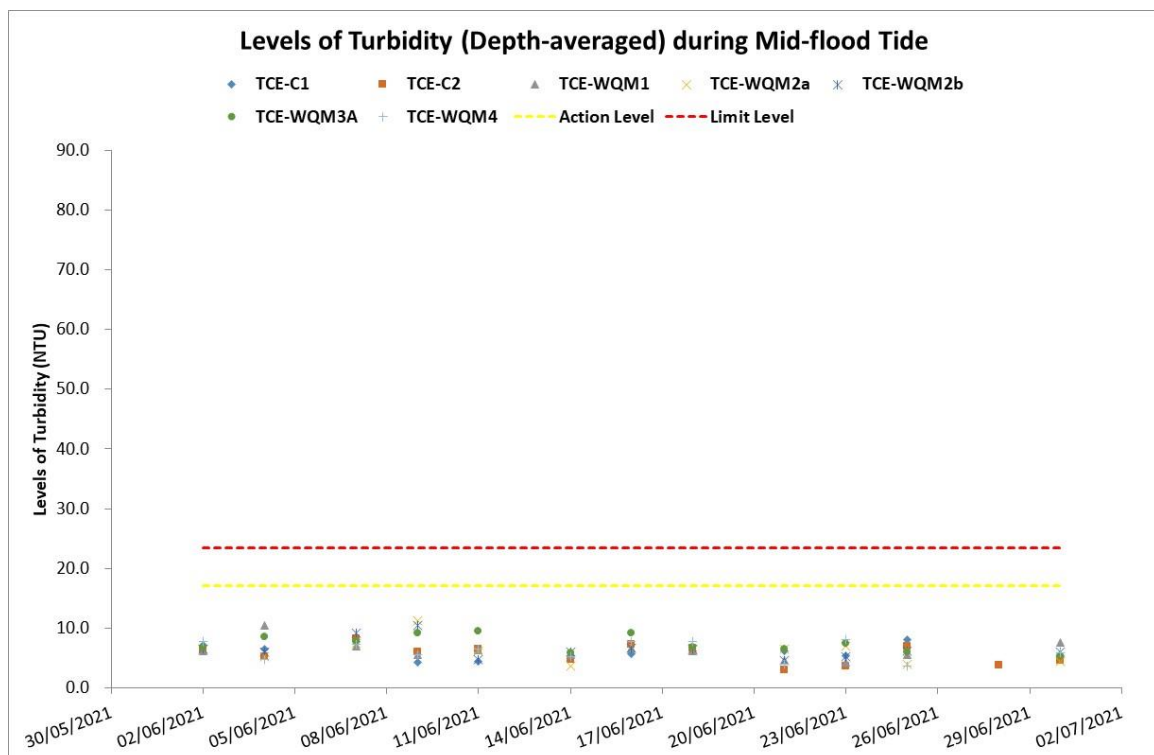


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 June 2021

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

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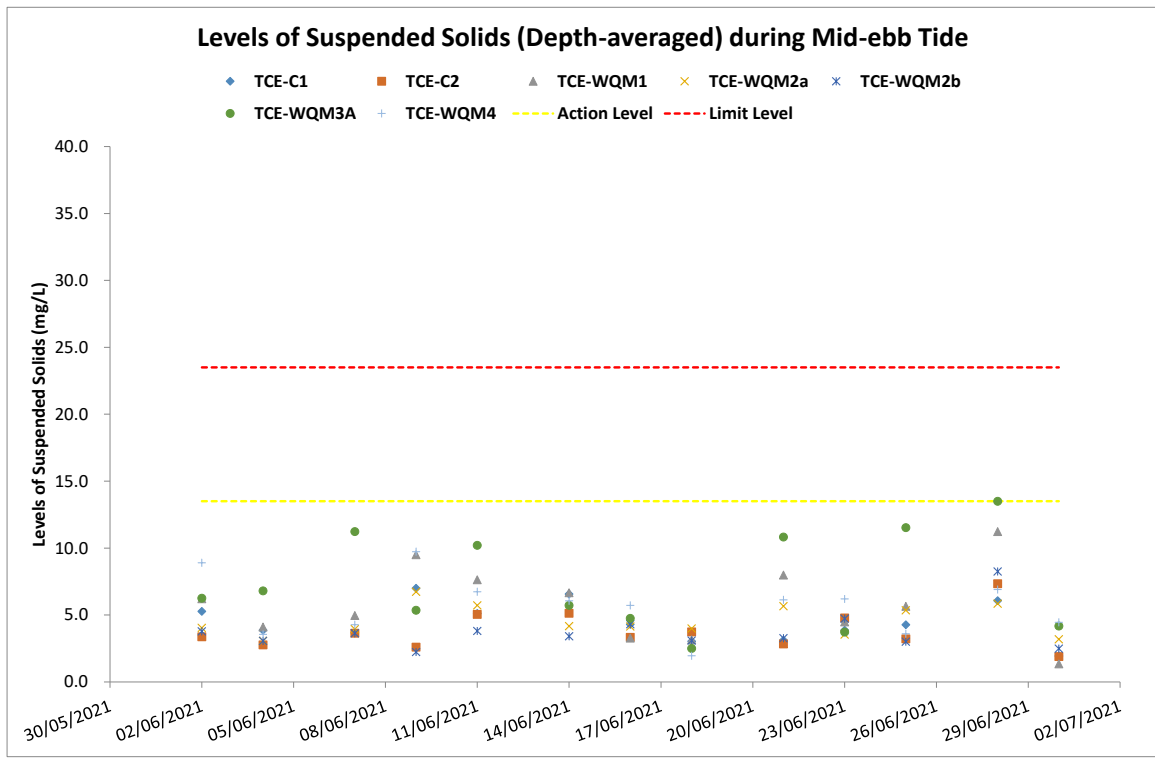


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 June 2021

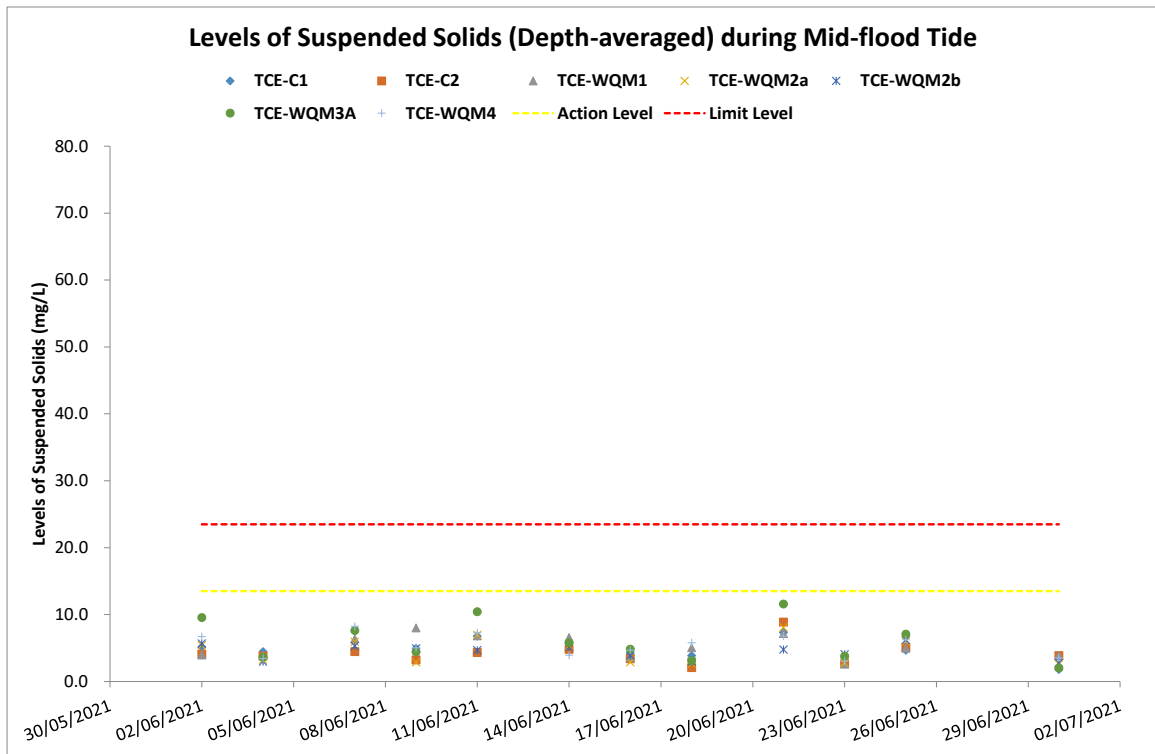


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 June 2021

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: June 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)								
6/2/2021	Mid-Ebb	TCE-C1	Misty	Calm	8:51	8.0	Surface	1.0	1	27.9	8.0	19.2	5.5	78.0	5.6	7.4	5.1	6.3	5.3								
									2	27.9	8.0	19.2	5.4	76.5	5.3	5.2											
							Middle	4.0	1	27.6	8.0	23.1	4.9	70.0	6.1	4.3											
									2	27.6	8.0	23.1	4.8	68.6	6.2	7.2											
				Bottom	7.0	1	26.3	8.0	30.6	4.8	70.5	7.1	3.5	4.8													
						2	26.3	8.0	30.7	4.8	70.7	7.2	4.0														
		TCE-C2	Misty	Calm	6:54	12.8	Surface	1.0	1	28.1	7.9	21.8	5.1				73.7	5.6	3.0	4.8	6.4	3.4					
									2	28.0	7.9	21.8	5.0				72.3	5.6	2.5								
							Middle	6.4	1	27.1	7.9	27.4	4.5	65.6	6.3	3.6											
						2	27.0	7.9	27.5	4.5	65.2	6.3	3.2	4.4													
				Bottom	11.8	1	26.3	7.9	31.0	4.4	64.8	7.3	4.4														
						2	26.5	7.9	30.9	4.4	64.9	7.0	3.5														
		TCE-WQM1	Misty	Calm	8:06	8.2	Surface	1.0	1	28.0	7.9	21.2	5.3	76.0	5.6	3.8	5.2	6.5	6.2								
									2	28.0	7.9	21.2	5.3	75.9	5.7	4.4											
							Middle	4.1	1	28.0	7.9	21.7	5.1	73.0	6.5	3.5											
									2	28.0	7.9	21.7	5.0	72.5	6.7	7.2											
									Bottom	7.2	1	28.0	7.9	22.9	5.2	75.3				7.3	8.9	5.3					
											2	28.0	7.9	22.9	5.3	77.0				7.0	9.5						
							TCE-WQM2a	Misty	Calm	7:38	7.0	Surface	1.0	1	27.9	7.9				20.2	5.3				75.9	5.8	5.3
														2	27.9	7.9				20.2	5.3	75.9	5.8	4.6			
												Middle	3.5	1	27.4	7.9				26.4	4.7	68.3	6.7	4.8			
											2	27.5	7.9	26.2	4.7	68.5				6.7	4.5	5.0					
									Bottom	6.0	1	27.0	7.9	28.5	4.9	72.4				7.7	2.1						
											2	27.0	7.9	28.4	5.1	75.0				7.3	2.9						
		TCE-WQM2b	Misty	Calm	7:21	10.6	Surface	1.0	1	28.6	8.0	13.2	5.7	79.6	6.1	3.7	5.0	6.6	3.8								
									2	28.6	8.0	13.2	5.7	79.3	6.1	3.2											
							Middle	5.3	1	27.3	7.9	26.1	4.2	61.5	6.8	3.0											
									2	27.3	7.9	26.1	4.2	61.5	6.8	3.8											
				Bottom	9.6	1	26.6	7.9	30.3	4.3	62.9	7.0	4.0	4.3													
						2	26.9	7.9	29.9	4.4	65.0	7.0	5.0														
		TCE-WQM3A	Misty	Calm	7:44	4.0	Surface	1.0	1	28.1	7.9	21.8	5.1	74.3	6.4	3.2	5.2	6.8	6.3								
									2	28.1	7.9	21.9	5.2	74.8	6.6	3.7											
							Bottom	3.0	1	27.9	7.9	22.6	5.7	82.0	7.3	8.5											
									2	27.9	7.9	22.6	5.7	82.6	7.0	9.6											
		TCE-WQM4	Misty	Calm	7:54	3.6	Surface	1.0	1	28.0	7.9	20.4	5.7	81.4	6.5	11.0	5.7	6.7	8.9								
									2	28.0	7.9	20.4	5.7	81.5	6.5	10.6											
							Bottom	2.6	1	28.0	7.9	21.3	5.7	82.0	6.8	9.4											
									2	28.0	7.9	21.4	5.8	83.2	6.8	4.6											
		6/2/2021	Mid-Flood	TCE-C1	Misty	Calm	10:13	8.0	Surface	1.0	1	27.9	8.0	18.1	5.7	80.2	6.1	5.0	5.3	7.2	5.1						
											2	27.9	8.0	18.0	5.5	77.9	6.5	6.1									
									Middle	4.0	1	27.7	8.0	22.3	5.1	73.7	7.2	5.4									
											2	27.5	8.0	22.4	5.0	72.4	7.0	4.9									
						Bottom	7.0	1	26.3	8.0	30.7	4.8	70.6	8.4	4.6	4.8											
								2	26.3	8.0	30.7	4.9	72.2	8.0	4.8												
				TCE-C2	Misty	Calm	12:09	12.4	Surface	1.0	1	28.3	8.0	19.0	5.6				79.9	6.0	5.5	5.0	6.5	4.1			
											2	28.3	8.0	19.0	5.5				78.0	6.0	5.0						
									Middle	6.2	1	26.2	8.0	30.7	4.5	66.4	6.2	2.6									
								2	26.1	8.0	30.8	4.6	66.9	6.3	3.0	5.0											
				Bottom	11.4	1	26.1	7.9	31.8	4.8	71.5	7.3	4.5														
						2	26.2	7.9	31.7	5.1	75.0	7.3	3.8														
TCE-WQM1	Misty			Calm	10:51	8.0	Surface	1.0	1	28.5	7.9	19.3	5.4	77.9	5.1	3.5	5.2	6.2	4.0								
									2	28.5	7.9	19.3	5.4	77.6	5.2	3.8											
							Middle	4.0	1	28.1	7.9	22.1	5.0	72.9	6.0	3.2											
									2	28.0	7.9	22.2	5.0	73.0	6.3	4.0											
									Bottom	7.0	1	28.0	7.9	22.5	5.2	76.0				7.3	4.8						
											2	28.0	7.9	22.4	5.4	77.8				7.0	4.5						
TCE-WQM2a	Misty			Calm	11:33	7.2	Surface	1.0	1	28.4	8.0	19.4	5.9	84.3	5.6	4.6	5.7	6.5	5.4								
									2	28.4	8.0	19.4	5.9	84.3	5.6	4.9											
							Middle	3.6	1	28.4	8.0	19.5	5.6	80.6	6.3	5.8											
									2	28.4	8.0	19.5	5.6	79.6	6.6	5.6											
									Bottom	6.2	1	27.7	7.9	25.2	5.2	75.7				7.3	6.0						
											2	27.8	7.9	25.0	5.4	78.9				7.6	5.4						
TCE-WQM2b	Misty			Calm	11:42	10.2	Surface	1.0	1	28.2	8.0	19.7	5.0	72.0	5.8	4.6	4.8	6.5	5.7								
									2	28.0	7.9	19.8	4.9	69.7	5.2	5.6											
							Middle	5.1	1	27.5	7.9	25.5	4.6	67.7	6.6	5.2											
									2	27.5	7.9	25.5	4.6	67.8	6.7	6.3											
									Bottom	9.2	1	27.4	7.9	26.2	4.8	70.5				7.6	6.4						
											2	27.4	7.9	26.2	5.0	72.6				7.2	6.0						
TCE-WQM3A	Misty			Calm	11:20	4.2	Surface	1.0	1	28.3	8.0	19.1	5.8	82.1	6.6	6.8	5.8	6.9	9.6								
									2	28.2	8.0	19.1	5.8	82.2	6.0	10.1											
							Bottom	3.2	1	28.2	7.9	20.0	5.9	84.8	7.3	10.6											
									2	28.3	8.0	19.8	6.1	87.5	7.5	10.7											
TCE-WQM4	Misty			Calm	11:09	3.6	Surface	1.0	1	28.4	7.9	19.1	6.0	85.4	7.5	5.6	6.0	7.8	6.7								
									2	28.4	7.9	19.1	6.0	85.7	7.7	6.8											
							Bottom	2.6	1	28.3	7.9	20.6	6.2	89.3	8.0	7.3											
									2	28.4	7.9	20.6	6.4	91.7	8.0	7.1											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
6/4/2021	Mid-Ebb	TCE-C1	Foggy	Moderate	10:25	6.8	Surface	1.0	1	27.2	8.1	23.3	4.9	70.2	5.3	4.3	4.7	8.0	3.9			
									2	27.2	8.1	23.3	4.9	70.0	5.3	4.1						
							Middle	3.4	1	26.9	8.1	25.5	4.6	66.0	5.4	4.2						
									2	26.9	8.1	25.5	4.6	66.0	5.4	3.7						
							Bottom	5.8	1	25.9	8.1	30.0	4.1	59.8	13.3	3.3						
									2	25.9	8.1	30.0	4.1	59.8	13.1	3.6						
		TCE-C2	Cloudy	Moderate	7:59	14.6	Surface	1.0	1	28.9	8.1	15.9	6.4	91.0	4.0	3.4	5.5	5.5	2.8			
									2	28.9	8.1	15.9	6.4	90.5	4.0	3.2						
							Middle	7.3	1	26.4	8.0	27.9	4.6	66.7	4.2	2.6						
									2	26.4	8.0	27.9	4.6	66.7	4.2	2.9						
							Bottom	13.6	1	25.1	8.0	32.1	4.2	61.2	8.4	2.4						
									2	25.1	8.0	32.1	4.2	61.2	8.3	2.1						
		TCE-WQM1	Foggy	Moderate	9:18	7.5	Surface	1.0	1	28.8	8.1	18.4	6.1	87.6	5.0	6.5	5.7	6.4	4.1			
									2	28.8	8.1	18.4	6.1	87.5	5.0	5.7						
							Middle	3.8	1	28.2	8.0	21.7	5.3	77.3	5.9	3.6						
									2	28.2	8.0	21.7	5.3	77.1	5.9	3.0						
							Bottom	6.5	1	27.6	8.0	24.2	4.6	66.4	8.4	2.6						
									2	27.6	8.0	24.2	4.6	66.7	8.5	3.2						
		TCE-WQM2a	Cloudy	Moderate	8:42	7.6	Surface	1.0	1	28.9	8.1	16.1	6.6	93.8	3.6	2.5	6.1	4.7	3.1			
									2	28.9	8.1	16.1	6.6	93.8	3.6	3.2						
							Middle	3.8	1	27.6	8.1	23.5	5.6	81.0	3.3	2.7						
									2	27.6	8.1	23.5	5.6	80.9	3.3	3.5						
							Bottom	6.6	1	26.4	8.1	28.2	5.1	74.5	7.4	3.2						
									2	26.4	8.1	28.2	5.1	74.6	7.4	3.3						
		TCE-WQM2b	Cloudy	Moderate	8:31	11.5	Surface	1.0	1	29.1	8.1	11.6	6.6	91.4	4.4	2.9	5.4	6.2	3.1			
									2	29.1	8.1	11.6	6.6	91.4	4.4	3.6						
							Middle	5.8	1	26.1	8.0	29.0	4.3	61.9	5.8	3.2						
									2	26.2	8.0	28.9	4.3	62.1	5.8	2.9						
							Bottom	10.5	1	25.5	8.1	31.0	4.3	63.1	8.5	2.8						
									2	25.5	8.1	31.0	4.3	63.2	8.5	3.0						
		TCE-WQM3A	Rainy	Moderate	8:54	4.1	Surface	1.0	1	28.3	8.0	20.2	5.0	71.8	10.6	9.3	5.0	12.3	6.8			
									2	28.3	8.0	20.2	5.0	71.9	10.5	9.1						
							Bottom	3.1	1	28.1	8.0	21.7	4.7	67.4	14.0	4.0						
									2	28.1	8.0	21.7	4.7	67.4	14.0	4.8						
							Surface	1.0	1	28.9	8.1	17.5	6.7	96.2	3.5	3.4				6.7	3.6	3.6
									2	28.9	8.1	17.5	6.7	96.0	3.5	4.3						
		Bottom	2.7	1	28.9	8.1	18.1	6.5	93.4	3.7	3.5											
				2	28.9	8.1	18.1	6.5	93.3	3.7	3.0											
		Surface	1.0	1	27.3	8.1	21.4	5.2	73.2	5.4	4.4	4.8	6.5	4.5								
				2	27.2	8.1	21.4	5.1	73.0	5.4	4.9											
		Middle	3.9	1	26.9	8.1	25.7	4.6	65.8	5.6	4.8											
				2	26.9	8.1	25.6	4.6	65.8	5.6	4.6											
		Bottom	6.7	1	26.1	8.1	27.8	4.2	60.8	8.3	4.5											
				2	26.0	8.1	29.4	4.2	60.8	8.7	3.6											
		TCE-C2	Cloudy	Rough	15:06	14.8	Surface	1.0	1	29.0	8.2	13.1	7.4	103.0	4.5	4.2	6.2	5.2	3.8			
									2	29.0	8.2	13.1	7.4	103.0	4.5	3.8						
							Middle	7.4	1	26.8	8.1	26.7	5.0	73.2	5.1	4.2						
									2	26.7	8.1	26.9	5.0	73.3	5.2	4.0						
Bottom	13.8						1	26.0	8.1	29.8	4.8	70.2	6.0	3.3								
							2	26.1	8.1	29.7	4.8	70.2	6.0	3.4								
TCE-WQM1	Rainy	Rough	13:53	8.2	Surface	1.0	1	28.7	8.1	18.1	6.2	88.2	4.5	3.0	5.2	10.5	3.8					
							2	28.7	8.1	18.1	6.2	88.0	4.5	3.4								
					Middle	4.1	1	27.4	8.0	24.3	4.2	60.9	9.2	4.5								
							2	27.4	8.0	24.3	4.2	60.8	9.3	3.8								
					Bottom	7.2	1	26.9	8.0	26.4	4.0	58.1	17.4	4.5								
							2	26.9	8.0	26.4	4.0	58.2	17.8	3.8								
TCE-WQM2a	Cloudy	Rough	14:30	6.6	Surface	1.0	1	29.1	8.2	14.8	7.5	105.7	3.9	3.9	6.6	5.3	3.3					
							2	29.1	8.2	14.8	7.5	105.7	3.9	3.4								
					Middle	3.3	1	28.4	8.0	21.6	5.7	82.3	5.3	3.3								
							2	28.5	8.0	21.5	5.7	83.3	5.3	2.8								
					Bottom	5.6	1	27.6	8.0	23.4	5.3	76.0	6.6	3.3								
							2	27.6	8.0	23.4	5.3	76.1	6.6	2.9								
TCE-WQM2b	Cloudy	Rough	14:42	9.8	Surface	1.0	1	29.0	8.1	12.2	7.1	98.2	4.6	2.5	6.2	6.1	3.0					
							2	29.0	8.1	12.2	7.1	98.1	4.6	3.6								
					Middle	4.9	1	28.2	8.0	18.7	5.3	75.2	6.4	3.5								
							2	28.2	8.0	18.8	5.3	75.0	6.5	2.8								
					Bottom	8.8	1	27.6	8.0	22.6	4.9	69.9	7.2	2.7								
							2	27.4	8.0	22.9	4.9	70.1	7.2	2.8								
TCE-WQM3A	Cloudy	Rough	14:19	4.5	Surface	1.0	1	29.0	8.2	15.2	6.8	95.5	4.6	3.1	6.8	8.6	3.6					
							2	29.0	8.2	15.2	6.8	95.4	4.7	3.6								
					Bottom	3.5	1	27.9	8.0	22.5	4.4	63.7	12.8	3.8								
							2	27.9	8.0	22.5	4.4	63.7	12.4	4.0								
					Surface	1.0	1	28.9	8.1	16.5	6.6	94.3	4.2	3.8				6.6	4.8	3.4		
							2	28.9	8.1	16.5	6.6	94.3	4.4	4.7								
Bottom	2.2	1	28.8	8.1	18.0	6.3	89.9	5.4	3.1													
		2	28.8	8.1	17.9	6.3	90.0	5.3	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)			
6/7/2021	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:13	8.2	Surface	1.0	1	26.8	8.2	24.4	6.7	96.5	5.3	3.6	5.9	6.4	3.7			
								2	26.8	8.2	24.4	6.7	96.3	5.4	3.1							
							Middle	4.1	1	25.7	8.1	28.4	5.1	73.3	5.2	3.0						
								2	25.7	8.1	28.5	5.1	73.2	5.2	4.0							
			Bottom	7.2	1	25.1	8.1	31.8	4.4	63.5	8.1	4.2	4.4									
			2	25.1	8.1	31.8	4.4	63.6	8.9	4.1												
		TCE-C2	Cloudy	Moderate	11:09	13.8	Surface	1.0	1	26.7	8.2	24.8				7.8	111.4	3.0	2.3	6.5	5.9	3.6
							2	26.7	8.2	24.8	7.7	111.1				3.0	3.1					
		Middle					6.9	1	25.8	8.0	28.6	5.2	75.2	3.5	3.4							
							2	25.8	8.0	28.6	5.2	75.0	3.5	2.8								
			Bottom	12.8	1	25.0	8.0	31.8	4.3	61.8	11.1	5.5	4.3									
			2	25.0	8.0	31.8	4.3	61.9	11.1	4.7												
	TCE-WQM1	Cloudy	Moderate	11:29	8.8	Surface	1.0	1	27.6	8.3	21.9	7.3				104.7	5.5	4.4	5.8	11.1	5.0	
						2	27.6	8.3	21.9	7.3	104.1	6.0				5.1						
	Middle					4.4	1	26.0	8.0	28.0	4.3	62.1	12.1	5.2								
						2	26.0	8.0	28.0	4.3	62.1	12.1	4.6									
		Bottom	7.8	1	25.9	8.0	28.4	4.3	61.6	15.1	5.7	4.3										
		2	25.9	8.0	28.4	4.3	61.7	15.8	4.8													
	TCE-WQM2a	Cloudy	Moderate	10:54	7.2	Surface	1.0	1	27.2	8.3	23.2				7.3	104.5	4.2	4.6	6.4	4.7	4.0	
						2	27.2	8.3	23.2	7.3	104.5				4.2	5.2						
	Middle					3.6	1	26.4	8.1	25.9	5.6	79.9	4.7	4.8								
						2	26.3	8.1	26.0	5.6	79.9	4.7	4.2									
		Bottom	6.2	1	25.3	8.1	30.7	4.8	69.1	5.0	2.3	4.8										
		2	25.3	8.1	30.7	4.8	69.7	5.6	2.6													
TCE-WQM2b	Cloudy	Moderate	10:40	11.8	Surface	1.0	1	27.0	8.3	23.4	8.2				116.8	3.3	3.8	7.3	6.1	3.6		
					2	27.0	8.3	23.4	8.2	116.5	3.3				4.4							
Middle					5.9	1	26.6	8.2	24.3	6.5	92.5	3.9	3.6									
					2	26.6	8.2	24.3	6.5	92.4	3.9	3.8										
	Bottom	10.8	1	26.2	8.1	27.0	5.4	77.1	11.2	3.4	5.4											
	2	26.2	8.1	27.0	5.4	77.2	11.3	2.8														
TCE-WQM3A	Cloudy	Moderate	11:05	3.9	Surface	1.0	1	26.8	8.1	24.4				5.7	81.5	11.2	10.2	5.7	13.5	11.2		
					2	26.8	8.1	24.5	5.7	81.3				12.0	9.7							
Bottom					2.9	1	26.8	8.1	24.8	5.2	75.2	15.2	12.0									
					2	26.8	8.1	24.7	5.2	75.1	15.7	13.0										
	TCE-WQM4	Cloudy	Moderate	11:16	3.5	Surface	1.0	1	27.6	8.3	21.9	8.5	121.4	8.8	4.8	8.4	7.9	4.3				
	2					27.6	8.3	21.9	8.3	118.7	9.0	3.9										
Bottom	2.5					1	27.6	8.3	22.0	8.3	119.7	7.2	3.8									
	2					27.6	8.3	22.1	8.3	119.3	6.7	4.6										
6/7/2021	Mid-Flood	TCE-C1	Cloudy	Moderate	16:07	8.2	Surface	1.0	1	27.9	8.4	25.1	9.0	132.4	5.3	5.2	7.5	7.8	4.6			
								2	27.9	8.4	25.1	9.0	132.2	5.3	4.4							
							Middle	4.1	1	26.6	8.1	27.2	6.0	86.8	8.6	4.8						
								2	26.6	8.1	27.2	6.0	86.9	8.5	5.0							
			Bottom	7.2	1	26.4	8.2	29.4	5.3	77.1	9.7	4.6	5.3									
			2	26.5	8.2	29.5	5.4	79.7	9.7	3.8												
		TCE-C2	Cloudy	Moderate	18:20	12.7	Surface	1.0	1	26.4	8.3	27.5				7.7	112.0	4.4	4.1	6.5	8.2	4.5
							2	26.4	8.3	27.5	7.7	111.9				4.4	3.9					
		Middle					6.4	1	25.4	8.1	30.6	5.3	76.0	8.7	4.9							
							2	25.4	8.1	30.7	5.2	75.8	9.0	4.0								
			Bottom	11.7	1	25.2	8.1	31.5	5.3	77.4	11.4	5.2	5.4									
			2	25.2	8.1	31.5	5.4	78.1	11.3	4.6												
	TCE-WQM1	Cloudy	Moderate	16:56	8.2	Surface	1.0	1	28.9	8.7	21.7	13.8				201.8	4.2	7.0	11.1	7.0	6.4	
						2	28.9	8.7	21.7	13.8	201.6	4.2				6.1						
	Middle					4.1	1	27.2	8.3	24.2	8.5	121.8	6.1	6.4								
						2	27.1	8.3	24.2	8.5	121.8	6.0	6.6									
		Bottom	7.2	1	26.5	8.1	26.9	5.7	82.3	10.7	6.2	5.7										
		2	26.5	8.1	27.0	5.7	82.6	10.8	5.9													
	TCE-WQM2a	Cloudy	Moderate	17:35	6.8	Surface	1.0	1	27.9	8.6	23.8				12.8	186.8	4.2	5.4	11.4	7.5	5.9	
						2	27.9	8.6	23.8	12.8	186.8				4.2	4.8						
	Middle					3.4	1	27.4	8.4	24.7	10.0	145.0	8.3	5.4								
						2	27.4	8.4	24.8	9.9	144.2	8.3	6.0									
		Bottom	5.8	1	26.2	8.1	27.2	5.7	81.9	9.9	6.7	5.7										
		2	26.2	8.1	27.2	5.7	82.0	10.2	7.2													
TCE-WQM2b	Cloudy	Moderate	17:46	10.7	Surface	1.0	1	27.1	8.4	25.3	8.9				128.7	4.9	6.0	7.5	9.1	5.3		
					2	27.1	8.4	25.3	8.9	128.3	4.9				5.7							
Middle					5.4	1	26.2	8.1	27.6	6.0	87.2	10.4	5.2									
					2	26.2	8.1	27.5	6.1	87.8	10.1	5.2										
	Bottom	9.7	1	25.6	8.1	29.8	5.0	72.8	12.4	5.1	5.0											
	2	25.6	8.1	29.8	5.1	73.1	12.3	4.7														
TCE-WQM3A	Cloudy	Moderate	17:23	3.5	Surface	1.0	1	27.9	8.5	23.8				10.7	155.1	6.5	8.0	10.6	7.7	7.6		
					2	27.8	8.5	23.9	10.6	155.0				6.5	7.1							
Bottom					2.5	1	26.8	8.3	25.7	7.7	111.5	8.9	7.3									
					2	26.8	8.3	25.8	7.7	110.6	9.0	8.1										
	TCE-WQM4	Cloudy	Moderate	17:10	3.1	Surface	1.0	1	28.0	8.5	23.8	11.0	159.9	5.4	7.8	10.9	7.3	8.3				
	2					28.0	8.5	23.9	10.9	159.4	5.5	8.6										
Bottom	2.1					1	27.0	8.3	25.7	7.7	111.6	9.2	8.2									
	2					27.0	8.3	25.7	8.0	115.5	9.0	8.4										

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)						
6/9/2021	Mid-Ebb	TCE-C1	Rainy	Moderate	10:52	8.5	Surface	1.0	1	27.9	8.1	23.1	8.7	127.9	2.5	5.8	7.2	4.0	7.0						
									2	27.8	8.1	23.1	8.7	127.5	2.7	6.9									
							Middle	4.3	1	26.3	8.0	29.5	5.7	84.4	4.3	6.9									
									2	26.2	8.0	29.6	5.7	84.3	4.6	7.0									
				Bottom	7.5	1	25.8	8.0	31.1	5.0	73.9	4.8	8.0	5.0											
						2	25.8	7.9	31.1	5.0	74.0	4.8	7.4												
		TCE-C2	Rainy	Moderate	12:41	12.8	Surface	1.0	1	27.8	8.2	22.8	8.9				128.6	5.4	2.4	7.3	6.3	2.6			
								2	27.8	8.2	22.8	8.9	129.0				5.3	2.5							
		Middle					6.4	1	26.5	8.2	28.8	5.8	85.1	4.9	2.8										
								2	26.4	8.2	28.9	5.8	85.0	4.9	2.5										
				Bottom	11.8	1	26.2	8.2	29.5	5.3	77.1	8.8	2.5	5.3											
						2	26.2	8.2	29.5	5.3	77.4	8.9	2.9												
	TCE-WQM1	Rainy	Moderate	11:35	8.4	Surface	1.0	1	27.6	8.1	24.0	7.9	116.5				3.9	10.2	6.7	8.2	9.5				
							2	27.6	8.1	24.0	7.9	116.4	3.9				11.3								
	Middle					4.2	1	26.4	8.1	28.7	5.6	81.9	8.2	6.0											
							2	26.4	8.1	28.7	5.6	81.9	8.5	10.6											
			Bottom	7.4	1	26.0	8.1	30.3	5.3	77.4	12.2	8.0	5.3												
					2	26.0	8.1	30.3	5.3	77.6	12.2	10.9													
	TCE-WQM2a	Rainy	Moderate	12:08	7.2	Surface	1.0	1	28.1	8.2	23.0	9.8				143.7	3.8	7.2	9.4	5.0	6.7				
							2	28.1	8.2	23.0	9.8	143.7				3.8	8.2								
	Middle					3.6	1	28.0	8.2	23.5	8.9	130.7	4.9	7.0											
							2	28.0	8.2	23.5	8.9	130.5	4.7	7.6											
			Bottom	6.2	1	27.8	8.2	23.2	8.4	122.9	6.1	5.6	8.4												
					2	27.8	8.2	23.3	8.4	122.5	6.5	4.8													
	TCE-WQM2b	Rainy	Moderate	12:20	11.0	Surface	1.0	1	27.9	8.2	23.3	8.1				118.1	8.4	2.4	7.9	8.5	2.2				
							2	27.9	8.2	23.3	8.1	118.2				8.4	2.7								
	Middle					5.5	1	27.7	8.2	24.1	7.6	111.6	8.6	2.7											
							2	27.7	8.2	24.2	7.6	111.5	8.7	2.2											
			Bottom	10.0	1	27.5	8.2	24.7	7.2	105.1	8.4	2.0	7.2												
					2	27.6	8.2	24.7	7.2	105.2	8.5	1.4													
	TCE-WQM3A	Rainy	Moderate	11:57	3.9	Surface	1.0	1	27.6	8.2	24.0	7.5				109.3	8.4	5.2	7.5	7.0	5.4				
							2	27.6	8.2	24.0	7.5	109.3				8.8	5.9								
	Bottom					2.9	1	27.4	8.2	24.7	7.5	109.8	5.5	4.8											
							2	27.4	8.2	24.9	7.5	109.5	5.4	5.5											
			TCE-WQM4	Rainy	Moderate	11:47	3.1	Surface	1.0	1	27.0	8.2	26.4	6.9	100.9	4.3	11.5	6.9	4.5	9.7					
									2	27.0	8.2	26.5	6.9	100.6	4.4	7.5									
	Bottom	2.1	1					26.6	8.2	28.4	6.2	90.4	4.7	11.1											
			2					26.6	8.2	28.4	6.2	90.6	4.7	8.8											
	6/9/2021	Mid-Flood	TCE-C1	Cloudy	Moderate	19:59	8.5	Surface	1.0	1	27.7	8.2	23.1	9.2	132.3	2.6	5.0	8.7	4.3	4.9					
										2	27.7	8.2	23.1	9.1	132.2	2.6	5.6								
								Middle	4.3	1	27.4	8.2	24.0	8.3	119.7	5.2	5.0								
										2	27.4	8.2	24.0	8.3	119.3	5.2	5.1								
								Bottom	7.5	1	26.0	8.2	29.4	5.9	86.1	5.0	4.4				5.9				
										2	26.0	8.2	29.5	5.9	86.3	5.0	4.5								
			TCE-C2	Cloudy	Moderate	17:46	13.2	Surface	1.0	1	27.3	8.2	23.4	8.7	124.9	5.4	2.9	7.3	6.1	3.2					
									2	27.3	8.2	23.4	8.7	124.8	5.2	3.8									
			Middle					6.6	1	26.2	8.2	28.9	5.9	85.7	4.9	1.6									
									2	26.2	8.2	28.9	5.9	85.7	4.9	3.7									
Bottom			12.2					1	25.8	8.2	29.9	5.3	76.3	8.0	2.1	5.3									
								2	25.8	8.2	29.9	5.3	76.6	8.2	5.2										
TCE-WQM1			Cloudy	Moderate	19:05	8.6	Surface	1.0	1	27.5	8.2	22.4	7.9	113.6	4.2			8.7	7.8	5.6		8.0			
								2	27.5	8.2	22.5	7.9	113.4	4.3	11.1										
Middle							4.3	1	27.3	8.2	23.3	7.6	109.9	6.1	6.2										
								2	27.3	8.2	23.3	7.6	109.9	6.0	5.5										
Bottom							7.6	1	27.3	8.2	23.5	7.6	109.7	6.6	10.5	7.6									
								2	27.3	8.2	23.5	7.6	109.8	6.6	6.0										
TCE-WQM2a			Cloudy	Moderate	18:29	7.1	Surface	1.0	1	27.4	8.2	23.9	7.8	112.5	11.1				3.0	8.2	11.2	2.9			
								2	27.4	8.2	23.9	7.8	112.5	11.1	2.4										
Middle							3.6	1	27.7	8.2	23.9	8.6	125.1	10.5	2.7										
								2	27.7	8.2	23.9	8.6	124.9	10.5	3.0										
Bottom							6.1	1	27.7	8.2	24.1	8.2	119.2	12.1	3.5	8.2									
								2	27.7	8.2	24.0	8.2	118.8	12.0	2.6										
TCE-WQM2b		Cloudy	Moderate	18:16	11.8	Surface	1.0	1	27.5	8.2	23.4	8.6	124.3	8.3	6.0				8.3	10.5	4.9				
							2	27.5	8.2	23.4	8.6	124.2	8.4	5.5											
Middle						5.9	1	27.4	8.2	23.8	8.1	116.2	10.3	4.7											
							2	27.4	8.2	23.9	8.0	116.0	10.4	4.1											
Bottom						10.8	1	27.3	8.2	24.3	7.6	109.5	12.9	4.5	7.6										
							2	27.3	8.2	24.3	7.6	109.5	12.9	4.8											
TCE-WQM3A		Cloudy	Moderate	18:43	4.5	Surface	1.0	1	26.3	8.2	28.1	6.6	96.1	10.1				4.2	6.6	9.2	4.4				
							2	26.3	8.2	28.1	6.6	96.2	9.9	3.8											
Bottom						3.5	1	27.6	8.2	23.5	8.9	128.7	8.3	4.4											
							2	27.6	8.2	23.5	8.9	129.0	8.3	5.3											
TCE-WQM4						Cloudy	Moderate	18:53	3.6	Surface	1.0	1	27.4	8.2	24.6	8.8	127.9	5.3				5.4	8.8	5.6	5.0
											2	27.4	8.2	24.6	8.8	127.7	5.3	5.4							
Bottom		2.6	1	27.2	8.2					24.7	8.5	123.5	5.8	4.6	8.5										
			2	27.1	8.2					24.7	8.5	123.0	6.1	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)			
6/11/2021	Mid-Ebb	TCE-C1	Sunny	Moderate	14:00	7.5	Surface	1.0	1	27.6	8.1	27.1	5.9	87.6	5.9	4.6	5.7	7.0	5.1			
									2	27.6	8.1	27.2	5.9	87.5	6.1	4.5						
							Middle	3.8	1	27.1	8.1	27.7	5.4	79.4	7.2	5.2						
								2	27.1	8.1	27.7	5.4	79.5	7.3	4.8							
			Bottom	6.5	1	26.8	8.1	28.4	4.9	72.3	7.8	5.8	4.9									
				2	26.8	8.1	28.4	5.0	72.5	7.7	5.8											
		TCE-C2	Rainy	Moderate	11:57	11.4	Surface	1.0	1	27.3	8.0	25.8				6.1	88.8	3.8	3.6	5.7	3.5	5.1
								2	27.2	8.0	25.8	6.1				88.8	3.8	3.1				
		Middle					5.7	1	26.3	8.0	29.4	5.3	77.2	3.2	5.4							
							2	26.3	8.0	29.4	5.3	77.0	3.2	5.9								
			Bottom	10.4	1	26.2	8.0	29.8	5.3	76.9	3.4	6.6	5.3									
				2	26.2	8.0	29.8	5.3	77.1	3.4	5.7											
	TCE-WQM1	Sunny	Moderate	13:18	8.1	Surface	1.0	1	28.4	8.3	24.9	7.3				107.4	4.3	9.0	6.5	5.3	7.6	
							2	28.2	8.3	25.1	7.3	107.0				4.4	8.1					
	Middle					4.1	1	27.4	8.1	26.5	5.8	85.4	5.4	7.6								
						2	27.4	8.1	26.6	5.8	85.1	5.6	8.3									
		Bottom	7.1	1	27.1	8.1	27.5	5.4	78.5	6.2	6.0	5.4										
			2	27.1	8.1	27.5	5.4	78.6	6.3	6.8												
	TCE-WQM2a	Sunny	Moderate	12:42	7.0	Surface	1.0	1	27.8	8.2	25.2				7.0	102.4	4.7	5.9	6.5	4.9	5.7	
							2	27.8	8.2	25.2	7.0				102.4	4.7	5.2					
	Middle					3.5	1	27.2	8.2	26.2	6.0	88.1	5.0	5.8								
						2	27.2	8.2	26.2	6.1	88.2	5.0	5.0									
		Bottom	6.0	1	27.2	8.2	26.3	6.1	89.0	4.9	6.1	6.1										
			2	27.2	8.2	26.2	6.1	89.3	5.0	6.3												
TCE-WQM2b	Sunny	Moderate	12:28	10.2	Surface	1.0	1	27.6	8.1	24.9	5.8				84.9	5.4	4.1	5.6	6.4	3.8		
						2	27.5	8.1	25.1	5.8	84.9				5.7	5.0						
Middle					5.1	1	26.9	8.1	26.7	5.4	77.8	6.3	3.3									
					2	26.9	8.1	26.7	5.4	78.0	6.5	3.8										
	Bottom	9.2	1	26.9	8.1	26.9	5.4	79.2	7.1	3.0	5.4											
		2	26.9	8.1	26.9	5.4	79.2	7.3	3.6													
TCE-WQM3A	Sunny	Moderate	12:53	4.0	Surface	1.0	1	28.2	8.2	24.6				6.7	98.3	8.5	9.6	6.7	8.7	10.2		
						2	28.1	8.2	24.7	6.7				97.9	8.6	10.4						
Middle					3.0	1	27.9	8.2	24.8	6.1	89.9	8.9	10.5									
					2	27.9	8.2	24.8	6.1	90.0	9.0	10.3										
	Bottom	3.0	1	27.9	8.2	24.8	6.1	89.9	8.9	10.5	6.1											
		2	27.9	8.2	24.8	6.1	90.0	9.0	10.3													
TCE-WQM4	Sunny	Moderate	13:04	3.6	Surface	1.0	1	28.3	8.2	24.6				7.0	103.5	5.2	7.5	7.0	5.5	6.7		
						2	28.3	8.2	24.6	7.0				103.5	5.2	6.8						
Middle					2.6	1	28.0	8.2	24.9	6.1	89.1	5.8	6.8									
					2	28.0	8.2	24.8	6.0	87.8	5.8	5.8										
	Bottom	2.6	1	28.0	8.2	24.9	6.1	89.1	5.8	6.8	6.0											
		2	28.0	8.2	24.8	6.0	87.8	5.8	5.8													
6/11/2021	Mid-Flood	TCE-C1	Fine	Moderate	19:05	7.6	Surface	1.0	1	27.7				8.2	27.0	6.4	94.9	3.7	6.9	5.9	4.5	6.8
								2	27.7	8.2				27.0	6.4	94.7	3.8	6.4				
Middle							3.8	1	26.7	8.2	29.2	5.4	79.0	4.1	6.8							
							2	26.7	8.2	29.2	5.4	79.0	4.2	6.7								
		Bottom	6.6	1	26.8	8.2	29.3	5.4	79.7	5.5	6.8	5.4										
			2	26.8	8.2	29.3	5.4	79.9	5.8	7.1												
TCE-C2		Fine	Rough	21:03	12.0	Surface	1.0	1	27.8	8.1	25.1				6.4	93.6	5.3	3.9	6.0	6.6	4.3	
							2	27.8	8.1	25.2	6.4				93.3	5.3	4.2					
Middle						6.0	1	27.4	8.1	25.7	5.7	83.4	6.6	4.1								
						2	27.4	8.1	25.8	5.7	83.0	6.7	3.8									
		Bottom	11.0	1	27.1	8.1	26.8	5.6	81.3	7.7	5.0	5.6										
			2	27.2	8.1	26.7	5.6	81.7	7.8	5.0												
TCE-WQM1		Fine	Calm	19:57	8.0	Surface	1.0	1	28.5	8.2	24.8				7.4	109.6	5.2	6.8	7.2	6.3	6.8	
							2	28.5	8.2	24.9	7.4				109.5	5.2	6.4					
Middle						4.0	1	27.6	8.2	26.0	7.0	102.2	6.5	7.0								
						2	27.5	8.2	26.2	6.9	100.4	6.6	6.8									
		Bottom	7.0	1	27.8	8.2	27.0	5.6	82.2	7.2	6.6	5.6										
			2	27.9	8.2	27.0	5.6	83.0	7.2	7.4												
TCE-WQM2a		Fine	Moderate	20:27	7.2	Surface	1.0	1	28.3	8.2	24.9				7.5	110.7	4.7	8.3	7.2	6.2	7.0	
							2	28.3	8.2	24.9	7.5				110.7	4.7	8.0					
Middle						3.6	1	27.8	8.2	25.5	6.8	100.3	6.2	6.5								
						2	27.7	8.2	25.7	6.8	100.0	6.4	7.4									
		Bottom	6.2	1	27.5	8.2	25.9	6.2	90.4	7.4	6.0	6.2										
			2	27.6	8.2	25.9	6.2	90.8	7.6	5.6												
TCE-WQM2b	Fine	Rough	20:39	11.2	Surface	1.0	1	28.1	8.1	23.9	6.2				90.1	3.9	5.0	5.9	4.7	4.7		
						2	28.1	8.1	24.0	6.2	90.1				4.1	6.0						
Middle					5.6	1	27.6	8.1	25.0	5.7	82.5	4.7	4.9									
					2	27.6	8.1	25.0	5.7	82.5	4.8	4.2										
	Bottom	10.2	1	27.4	8.1	25.4	5.5	80.5	5.3	4.1	5.5											
		2	27.4	8.1	25.4	5.5	80.7	5.4	4.0													
TCE-WQM3A	Fine	Calm	20:16	3.6	Surface	1.0	1	28.2	8.3	24.9				7.1	104.1	9.3	7.5	7.0	9.5	10.4		
						2	28.1	8.3	25.0	7.0				103.3	9.4	12.0						
Middle					2.6	1	27.9	8.2	25.2	6.1	89.7	9.8	10.8									
					2	28.0	8.2	25.1	6.1	90.2	9.7	11.4										
	Bottom	2.6	1	28.5	8.2	24.9	7.4	110.0	5.4	7.6	7.4	6.6	7.3									
		2	28.4	8.2	24.9	7.4	109.7	5.5	7.2													
TCE-WQM4	Fine	Calm	20:09	3.4	Surface	1.0	1	28.5	8.2	24.9				7.4	110.0	5.4	7.6	6.4				
						2	28.4	8.2	24.9	7.4				109.7	5.5	7.2						
Middle					2.4	1	28.1	8.1	25.4	6.4	94.8	7.6	7.5									
					2	28.1	8.1	25.4	6.5	95.2	7.8	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)									
6/14/2021	Mid-Ebb	TCE-C1	Fine	Calm	13:47	8.0	Surface	1.0	1	27.7	8.2	26.6	5.8	84.9	5.0	6.9	5.8	5.5	6.6									
									2	27.7	8.2	26.6	5.8	85.0	5.1	7.2												
							Middle	4.0	1	27.6	8.2	29.0	5.7	85.7	5.2	6.2												
									2	27.6	8.2	29.1	5.8	86.1	5.2	6.5												
				Bottom	7.0	1	27.7	8.2	29.1	5.9	87.8	6.2	6.0	5.9														
						2	27.6	8.2	29.1	5.9	88.0	6.1	6.6															
		TCE-C2	Fine	Calm	15:41	12.4	Surface	1.0	1	27.1	8.1	28.2	5.2				76.3	4.0	4.5	5.1	5.3	5.1						
									2	27.1	8.1	28.1	5.2				76.3	4.1	4.2									
							Middle	6.2	1	27.0	8.1	30.3	4.9	72.8	5.7	4.7												
						2	27.0	8.1	30.3	4.9	73.1	5.7	5.1	5.0														
				Bottom	11.4	1	27.0	8.1	30.0	5.0	74.7	6.4	6.0															
						2	27.0	8.1	30.0	5.1	75.1	6.3	6.3															
			TCE-WQM1	Fine	Calm	14:27	8.0	Surface	1.0	1	27.8	8.1	26.2	5.8	85.0	5.0	6.0	5.8	5.8	6.7								
								2	27.8	8.1	26.2	5.8	84.9	5.0	6.2													
		Middle						4.0	1	27.8	8.1	26.3	5.8	85.2	5.8	6.4												
								2	27.8	8.1	26.3	5.8	85.6	5.7	7.0													
					Bottom	7.0	1	28.0	8.1	26.2	5.9	87.6	6.7	7.6	5.9													
					2	28.1	8.1	26.1	6.0	88.1	6.8	6.8																
	TCE-WQM2a	Fine	Calm	15:02	7.2	Surface	1.0	1	27.9	8.1	25.6	6.0	88.0	4.1				5.0	5.7	5.3	4.2							
								2	27.9	8.1	25.6	6.0	88.0	4.1				4.0										
						Middle	3.6	1	27.5	8.1	26.6	5.4	79.7	5.6	4.9													
								2	27.5	8.1	26.7	5.4	79.4	5.7	4.3													
					Bottom	6.2	1	27.5	8.1	27.0	5.4	79.6	6.3	3.2	5.4													
					2	27.5	8.1	27.0	5.5	80.1	6.3	3.6																
	TCE-WQM2b	Fine	Calm	15:13	10.2	Surface	1.0	1	27.8	8.1	25.7	5.8	84.8	4.4				3.5	5.6	5.3	3.4							
								2	27.7	8.1	25.9	5.8	84.5	4.3				4.3										
						Middle	5.1	1	27.5	8.1	26.6	5.4	78.7	5.4	3.4													
								2	27.5	8.1	26.6	5.4	78.8	5.4	4.0													
					Bottom	9.2	1	27.5	8.1	26.7	5.5	81.2	6.0	2.4	5.5													
					2	27.6	8.1	26.7	5.5	81.4	6.1	2.9																
	TCE-WQM3A	Fine	Calm	14:51	4.2	Surface	1.0	1	27.8	8.1	25.7	5.9	87.1	3.6				5.0	5.9	4.2	5.7							
								2	27.8	8.1	25.7	5.9	87.2	3.5				5.6										
								Bottom	3.2	1	27.5	8.1	26.1	6.1	88.9	4.9	5.9											
								2	27.5	8.1	26.1	6.1	89.9	4.9	6.4													
			TCE-WQM4	Fine	Calm	14:40	3.6	Surface	1.0	1	27.7	8.1	26.1	5.7	83.8	5.4	6.0	5.7	5.9	6.1								
								2	27.7	8.1	26.1	5.7	83.8	5.5	5.5													
								Bottom	2.6	1	27.7	8.1	26.2	5.8	84.6	6.4	6.4											
								2	27.7	8.1	26.2	5.8	84.8	6.4	6.3													
	6/14/2021	Mid-Flood	TCE-C1	Fine	Calm	8:38	8.0	Surface	1.0	1	27.7	8.1	25.1	5.9	86.1	4.3	6.3	5.9	5.5	5.8								
										2	27.7	8.1	25.2	5.9	85.7	4.4	5.8											
								Middle	4.0	1	27.6	8.1	25.9	5.9	86.0	5.3	6.0											
										2	27.6	8.1	26.0	5.9	86.3	5.3	5.1											
										Bottom	7.0	1	27.3	8.1	26.2	6.0	88.2				6.7	5.4						
										2	27.3	8.1	26.2	6.1	89.2	6.7	5.9											
					TCE-C2	Fine	Calm	6:42	12.8	Surface	1.0	1	27.6	8.0	26.2	5.7	83.3	4.2	7.1	5.4	4.8	4.8						
										2	27.6	8.0	26.3	5.7	83.0	4.2	6.0											
			Middle	6.4						1	27.4	8.0	27.0	5.2	77.0	4.5	5.6											
										2	27.4	8.0	27.1	5.2	76.9	4.5	5.0											
				Bottom						11.8	1	27.2	7.9	27.9	4.9	72.1	5.6	2.5										
				2						27.2	7.9	27.9	4.9	72.2	5.7	2.6												
				TCE-WQM1	Fine	Calm	7:55	8.2	Surface	1.0	1	27.7	8.1	26.1	5.8	85.3	4.9	7.4	5.8	5.5	6.6							
									2	27.7	8.1	26.2	5.8	85.3	4.9	8.0												
Middle			4.1						1	27.7	8.1	26.2	5.8	85.1	5.3	6.0												
									2	27.7	8.1	26.2	5.8	85.0	5.3	6.7												
									Bottom	7.2	1	27.7	8.1	26.3	5.8	85.4	6.4	5.2										
									2	27.6	8.1	26.3	5.9	86.0	6.4	6.2												
				TCE-WQM2a	Fine	Calm	7:21	7.0	Surface	1.0	1	27.7	8.1	25.7	5.9	86.4	3.1	5.8	5.9	3.6	5.3							
									2	27.7	8.1	25.7	5.9	86.4	3.1	5.6												
Middle			3.5						1	27.7	8.1	25.8	6.0	87.7	3.4	5.6												
									2	27.7	8.1	25.8	6.0	88.2	3.4	5.2												
									Bottom	6.0	1	27.6	8.1	25.9	6.1	89.3	4.3	5.0										
									2	27.5	8.1	26.0	6.1	89.6	4.3	4.5												
			TCE-WQM2b	Fine	Calm	7:08	10.6	Surface	1.0	1	27.9	8.1	23.0	5.9	84.8	4.7	6.6	5.6	6.0	5.2								
								2	27.9	8.1	23.1	5.9	84.7	4.8	6.2													
Middle		5.3						1	27.5	8.1	26.2	5.4	78.7	6.3	5.0													
								2	27.5	8.1	26.5	5.4	78.5	6.2	4.2													
								Bottom	9.6	1	27.5	8.1	26.8	5.4	78.8	7.1	4.9											
								2	27.6	8.1	26.7	5.4	79.2	6.9	4.0													
			TCE-WQM3A	Fine	Calm	7:32	4.0	Surface	1.0	1	27.7	8.1	25.9	5.5	80.2	5.0	6.1	5.5	5.8	5.8								
								2	27.6	8.1	25.9	5.5	80.2	5.1	6.6													
Bottom		3.0						1	27.6	8.1	26.1	5.5	80.1	6.6	5.1													
								2	27.6	8.1	26.1	5.5	80.2	6.7	5.3													
								TCE-WQM4	Fine	Calm	7:43	3.6	Surface	1.0	1	27.7	8.1				26.1	5.9	87.2	4.9	4.2	5.9	5.2	3.9
													2	27.7	8.1	26.1	6.0				87.3	5.0	4.3					
					Bottom	2.6	1	27.3	8.0	26.4	6.1	88.7	5.4	4.0	6.1													
					2	27.2	8.0	26.4	6.1	89.2	5.4	3.2																

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)				
6/16/2021	Mid-Ebb	TCE-C1	Sunny	Moderate	15:23	8.4	Surface	1.0	1	29.1	8.1	22.2	6.6	97.8	7.1	5.1	5.9	6.6	4.3				
									2	29.1	8.1	22.2	6.6	97.6	7.1	4.6							
							Middle	4.2	1	28.3	8.1	29.0	5.2	78.8	6.6	5.0							
									2	28.3	8.1	29.0	5.2	78.8	6.6	4.7							
				Bottom	7.4	1	28.1	8.0	30.9	5.3	79.9	6.1	2.8	5.3									
						2	28.1	8.0	30.9	5.3	79.9	6.1	3.6										
		TCE-C2	Cloudy	Moderate	17:17	12.8	Surface	1.0	1	29.0	8.1	21.2	6.4				94.0	7.8	4.5	5.8	7.2	3.3	
								2	29.0	8.1	21.2	6.4	93.8				7.8	3.4					
		Middle					6.4	1	28.2	8.1	25.8	5.2	77.5	7.6	3.6								
								2	28.2	8.1	25.8	5.2	77.5	7.6	2.6								
				Bottom	11.8	1	27.9	8.1	31.0	5.4	81.2	6.1	2.6	5.4									
						2	27.9	8.1	31.0	5.4	81.6	6.1	3.3										
	TCE-WQM1	Sunny	Moderate	16:03	8.0	Surface	1.0	1	28.9	8.0	22.8	5.9	86.5				6.1	2.5	5.7	7.4	3.3		
							2	28.9	8.0	22.8	5.9	86.5	6.1				3.0						
	Middle					4.0	1	28.6	7.9	24.5	5.5	81.6	6.7	3.4									
							2	28.6	7.9	24.5	5.5	81.6	6.7	3.4									
			Bottom	7.0	1	28.6	7.9	24.7	5.6	82.4	9.4	3.8	5.6										
					2	28.6	7.9	24.7	5.6	82.4	9.4	3.5											
	TCE-WQM2a	Cloudy	Moderate	16:39	7.0	Surface	1.0	1	28.8	8.0	22.9	5.7				84.3	7.6	4.2	5.5	8.4	4.2		
							2	28.8	8.0	22.9	5.7	84.3				7.6	5.4						
	Middle					3.5	1	28.4	8.0	24.4	5.3	77.4	7.1	4.0									
							2	28.4	8.0	24.4	5.3	77.4	7.1	3.7									
			Bottom	6.0	1	28.3	8.0	26.0	5.4	80.4	10.6	3.6	5.4										
					2	28.3	8.0	26.0	5.4	80.4	10.6	4.0											
	TCE-WQM2b	Cloudy	Moderate	16:51	11.8	Surface	1.0	1	29.1	8.1	21.4	5.6				82.0	7.4	3.8	5.3	9.2	4.3		
							2	29.1	8.1	21.4	5.6	82.0				7.4	4.6						
	Middle					5.9	1	28.1	8.0	25.1	5.1	75.1	9.7	4.4									
							2	28.1	8.0	25.1	5.1	75.1	9.7	4.1									
			Bottom	10.8	1	28.0	8.0	29.2	5.5	81.9	10.5	5.0	5.5										
					2	28.0	8.0	29.2	5.5	81.9	10.5	4.0											
	TCE-WQM3A	Cloudy	Moderate	16:27	4.4	Surface	1.0	1	29.0	8.0	21.3	6.3				92.5	4.2	4.5	6.3	6.2	4.8		
							2	29.0	8.0	21.3	6.3	92.5				4.2	5.4						
	Middle					3.4	1	28.9	8.0	21.4	6.6	96.0	8.1	4.6									
							2	28.9	8.0	21.4	6.6	96.0	8.4	4.5									
			Bottom	3.4	1	28.9	8.0	21.4	6.6	96.0	8.1	4.6	6.6										
					2	28.9	8.0	21.4	6.6	96.0	8.4	4.5											
	TCE-WQM4	Cloudy	Moderate	16:15	3.7	Surface	1.0	1	29.1	8.0	21.4	6.2				91.3	9.4	5.1	6.2	8.7	5.7		
							2	29.1	8.0	21.4	6.2	91.3				9.4	6.0						
	Middle					2.7	1	28.8	8.0	23.0	6.3	93.0	7.9	6.3									
							2	28.8	8.0	23.0	6.3	93.0	7.9	5.5									
			Bottom	2.7	1	28.8	8.0	23.0	6.3	93.0	7.9	6.3	6.3										
					2	28.8	8.0	23.0	6.3	93.0	7.9	5.5											
	6/16/2021	Mid-Flood	TCE-C1	Cloudy	Rough	10:20	8.6	Surface	1.0	1	29.0	8.1				21.6	6.7	98.2	6.2	4.0	6.3	5.8	4.1
									2	29.0	8.1	21.6				6.7	98.2	6.2	3.8				
	Middle							4.3	1	28.8	8.1	23.2	5.9	87.0	5.9	4.4							
									2	28.8	8.1	23.2	5.9	86.8	5.8	3.9							
				Bottom	7.6	1	28.6	8.1	28.4	5.5	83.4	5.3	4.7	5.5									
						2	28.6	8.1	28.4	5.5	83.4	5.3	4.0										
TCE-C2	Rainy		Moderate	8:15	12.5	Surface	1.0	1	28.8	8.0	19.2	6.4	92.3				5.4	4.2	5.9	7.3	3.4		
							2	28.8	8.0	19.2	6.4	92.3	5.4				3.4						
Middle						6.3	1	28.5	8.0	23.6	5.4	79.9	8.3	3.6									
							2	28.5	8.0	23.6	5.4	79.9	8.3	3.0									
			Bottom	11.5	1	27.9	7.9	28.4	4.9	73.0	8.2	2.9	4.9										
					2	27.9	7.9	28.4	4.9	73.0	8.2	3.2											
TCE-WQM1	Cloudy		Moderate	9:35	8.8	Surface	1.0	1	28.7	8.0	23.5	5.9				86.9	6.8	3.6	5.9	6.7	3.6		
							2	28.7	8.0	23.5	5.9	86.9				6.8	3.6						
Middle						4.4	1	28.7	8.0	24.2	5.8	85.9	6.5	3.7									
							2	28.7	8.0	24.2	5.8	85.9	6.5	3.0									
			Bottom	7.8	1	28.6	8.0	24.9	5.7	83.7	6.8	4.3	5.7										
					2	28.6	8.0	24.9	5.7	83.7	6.8	3.6											
TCE-WQM2a	Cloudy		Moderate	9:00	7.2	Surface	1.0	1	28.6	8.0	22.2	5.9				86.0	4.4	3.1	5.9	6.7	2.9		
							2	28.6	8.0	22.2	5.9	86.0				4.4	4.1						
Middle						3.6	1	28.6	8.0	22.8	5.9	85.9	7.8	2.6									
							2	28.6	8.0	22.8	5.9	85.9	7.8	3.5									
			Bottom	6.2	1	28.5	8.0	23.7	5.9	86.4	7.8	1.9	5.9										
					2	28.5	8.0	23.7	5.9	86.6	7.8	2.1											
TCE-WQM2b	Cloudy		Moderate	8:46	11.5	Surface	1.0	1	28.9	8.0	19.9	6.1				87.9	6.2	5.8	5.5	6.7	3.9		
							2	28.9	8.0	19.9	6.1	87.9				6.2	4.8						
Middle						5.8	1	28.3	8.0	25.1	5.0	73.4	6.1	3.2									
							2	28.3	8.0	25.1	5.0	73.3	6.1	3.5									
			Bottom	10.5	1	27.8	8.0	28.7	4.8	72.0	7.8	2.6	4.8										
					2	27.8	8.0	28.7	4.8	72.0	7.8	3.4											
TCE-WQM3A	Cloudy		Moderate	9:12	4.7	Surface	1.0	1	28.7	8.0	21.5	5.8				84.9	7.7	5.5	5.8	9.3	4.8		
							2	28.7	8.0	21.5	5.8	84.9				7.7	5.3						
Middle						3.7	1	28.7	8.0	22.8	6.0	87.3	10.8	4.5									
							2	28.7	8.0	22.8	6.0	87.3	10.8	4.0									
			Bottom	3.7	1	28.7	8.0	21.7	6.0	87.8	7.2	4.7	6.0	7.8	4.7								
					2	28.8	8.0	21.7	6.0	87.8	7.2	4.1											
TCE-WQM4	Cloudy		Moderate	9:23	3.5	Surface	1.0	1	28.8	8.0	23.9	6.0				88.5	8.4	5.2	6.0				
							2	28.6	8.0	23.9	6.0	88.5				8.4	5.2						
Middle						2.5	1	28.6	8.0	23.9	6.0	88.5	8.4	5.2									
							2	28.6	8.0	23.9	6.0	88.5	8.4	4.8									

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
6/18/2021	Mid-Ebb	TCE-C1	Fine	Moderate	8:45	8.0	Surface	1.0	1	29.4	8.2	19.5	6.6	97.2	5.6	2.5	6.5	6.1	3.0			
								2	29.4	8.2	19.5	6.6	96.9	5.3	2.9							
							Middle	4.0	1	28.8	8.2	21.0	6.5	95.6	6.1	2.7						
								2	28.5	8.1	22.9	6.5	95.2	6.2	3.2							
							Bottom	7.0	1	28.6	8.1	30.0	6.3	96.6	6.8	3.8						
								2	28.6	8.1	30.0	6.4	97.3	6.3	3.1							
		TCE-C2	Fine	Calm	6:47	12.8	Surface	1.0	1	29.4	8.1	19.9	6.5	94.9	4.6	3.9	5.9	5.4	3.7			
								2	29.4	8.1	20.0	6.4	93.8	4.6	4.8							
							Middle	6.4	1	29.0	8.1	24.0	5.4	80.0	5.3	4.5						
								2	29.0	8.1	24.0	5.3	78.3	5.3	3.8							
							Bottom	11.8	1	28.0	8.0	30.1	4.5	67.8	6.3	2.6						
								2	28.1	8.0	29.5	4.6	69.2	6.0	2.8							
		TCE-WQM1	Fine	Calm	8:20	8.2	Surface	1.0	1	29.4	8.1	21.4	6.6	97.2	5.6	3.8	6.5	6.4	3.2			
								2	29.4	8.1	21.4	6.6	96.9	5.7	3.4							
							Middle	4.1	1	29.4	8.1	21.5	6.5	95.6	6.3	2.9						
								2	29.4	8.1	21.7	6.5	95.4	6.7	3.0							
							Bottom	7.2	1	29.4	8.1	21.8	6.5	96.1	7.0	2.9						
								2	29.4	8.1	21.8	6.6	97.1	7.0	2.9							
		TCE-WQM2a	Fine	Calm	7:43	7.0	Surface	1.0	1	29.3	8.1	22.1	6.1	89.7	4.8	3.8	6.0	5.7	4.0			
								2	29.3	8.1	22.1	6.1	89.7	4.8	3.5							
							Middle	3.5	1	29.0	8.1	24.5	5.9	88.2	5.7	4.5						
								2	29.0	8.1	24.4	5.9	88.2	5.7	4.7							
							Bottom	6.0	1	29.0	8.0	25.3	6.2	92.1	6.7	4.1						
								2	29.2	8.0	25.2	6.3	94.1	6.3	3.3							
		TCE-WQM2b	Fine	Calm	7:29	10.6	Surface	1.0	1	29.7	8.1	16.8	6.6	95.7	6.1	3.8	6.3	6.5	3.1			
								2	29.7	8.1	16.8	6.6	94.7	6.1	3.1							
							Middle	5.3	1	29.6	8.1	18.6	6.0	88.0	6.4	3.4						
								2	29.6	8.1	18.7	5.9	86.4	6.4	2.7							
							Bottom	9.6	1	28.2	8.0	29.0	5.9	88.9	7.0	2.5						
								2	28.5	8.0	29.3	5.8	87.4	7.0	3.0							
		TCE-WQM3A	Fine	Calm	7:55	4.0	Surface	1.0	1	29.4	8.1	21.8	6.5	95.7	6.4	3.4	6.5	6.7	2.5			
								2	29.4	8.1	21.9	6.5	96.2	6.3	2.9							
							Bottom	3.0	1	29.4	8.1	21.9	6.5	96.4	7.1	1.7						
								2	29.4	8.0	21.9	6.6	97.0	7.0	2.0							
							Surface	1.0	1	29.4	8.1	21.8	6.5	96.3	5.5	1.8				6.5	6.1	2.0
								2	29.4	8.1	21.8	6.5	96.3	5.5	1.6							
		Bottom	2.6	1	29.4	8.1	22.0	6.5	95.4	6.8	2.0											
			2	29.4	8.1	22.0	6.4	94.9	6.7	2.4												
		Surface	1.0	1	29.4	8.2	19.5	7.2	104.6	5.1	4.5	7.1	6.2	3.9								
			2	29.4	8.2	19.5	7.2	104.2	5.5	4.0												
		Middle	4.0	1	28.9	8.2	22.0	7.1	104.9	6.2	4.5											
			2	28.6	8.2	22.7	7.1	104.6	6.0	3.9												
		Bottom	7.0	1	28.6	8.1	30.0	6.8	103.4	7.4	3.6											
			2	29.0	8.1	29.8	6.8	103.4	7.0	2.8												
		TCE-C2	Fine	Calm	12:29	12.4	Surface	1.0	1	30.1	8.2	19.2	7.7	113.5	5.7	1.4	6.5	6.6	2.1			
								2	30.0	8.2	19.2	7.7	113.1	5.8	1.7							
							Middle	6.2	1	28.7	8.0	26.4	5.2	78.3	6.2	2.3						
								2	28.7	8.0	26.4	5.2	77.9	6.3	2.5							
Bottom	11.4						1	28.6	8.0	26.5	5.2	77.5	7.9	2.5								
	2						28.6	8.0	26.7	5.1	77.0	7.8	2.0									
TCE-WQM1	Fine	Calm	11:08	8.0	Surface	1.0	1	29.6	8.1	21.8	7.1	104.9	5.1	4.5	7.0	6.2	5.1					
						2	29.6	8.1	21.8	7.1	104.6	5.2	4.7									
					Middle	4.0	1	29.6	8.1	22.0	7.0	103.4	6.0	5.0								
						2	29.6	8.1	22.0	7.0	103.4	6.3	5.5									
					Bottom	7.0	1	29.6	8.1	22.1	7.2	105.6	7.3	5.4								
						2	29.6	8.1	22.0	7.3	106.7	7.0	5.2									
TCE-WQM2a	Fine	Calm	11:47	7.2	Surface	1.0	1	29.9	8.2	20.6	7.3	107.7	5.3	3.4	7.1	6.3	2.7					
						2	29.9	8.2	20.6	7.3	107.7	5.3	2.3									
					Middle	3.6	1	29.6	8.1	21.2	6.9	101.6	6.3	2.5								
						2	29.6	8.1	21.2	6.9	101.4	6.2	2.7									
					Bottom	6.2	1	29.6	8.1	21.4	7.0	103.6	7.3	2.5								
						2	29.7	8.1	21.2	7.1	104.8	7.6	2.8									
TCE-WQM2b	Fine	Calm	11:59	10.2	Surface	1.0	1	29.4	8.1	20.4	5.9	86.5	5.3	2.4	5.6	6.5	3.0					
						2	29.3	8.1	20.5	5.9	86.1	5.2	2.9									
					Middle	5.1	1	29.0	8.1	22.9	5.4	79.5	6.6	3.4								
						2	28.9	8.1	22.9	5.4	79.3	6.7	2.6									
					Bottom	9.2	1	28.8	8.0	27.2	5.9	88.7	7.7	2.8								
						2	28.8	8.0	27.2	5.9	89.4	7.2	3.6									
TCE-WQM3A	Fine	Calm	11:34	4.2	Surface	1.0	1	30.0	8.2	19.9	7.2	106.1	6.6	3.1	7.0	6.9	3.1					
						2	29.9	8.2	19.9	7.1	104.6	6.5	2.6									
					Bottom	3.2	1	29.8	8.1	20.9	7.0	103.2	7.2	3.2								
						2	30.0	8.1	20.8	6.9	102.6	7.1	3.6									
					Surface	1.0	1	29.9	8.2	20.1	7.3	107.3	7.4	3.4				7.0	7.8	5.8		
						2	29.8	8.1	20.0	7.3	106.7	7.7	4.0									
Bottom	2.6	1	29.6	8.1	21.7	7.1	104.6	8.0	7.4													
	2	29.6	8.1	21.7	7.0	104.2	8.0	8.3														

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)	
6/21/2021	Mid-Ebb	TCE-C1	Sunny	Moderate	10:38	7.2	Surface	1.0	1	30.0	8.0	19.3	7.3	107.8	0.9	3.9	6.3	7.1	3.1	
								2	30.0	8.0	19.3	7.3	107.6	0.9	3.2					
							Middle	3.6	1	29.5	7.8	21.7	5.3	77.7	5.6	2.9				
							Bottom	6.2	1	26.8	7.8	30.6	2.5	37.2	14.3	2.8				
			2	26.8	7.8	30.6	2.5	37.3	14.9	2.9	2.5									
		TCE-C2	Cloudy	Moderate	8:25	12.9	Surface	1.0	1	29.2	7.9	21.6	7.1	103.8	1.6	3.0	6.8	3.1	2.8	
								2	29.2	7.9	21.6	7.1	104.0	1.6	3.4					
							Middle	6.5	1	28.9	7.9	23.5	6.6	97.8	0.9	2.4				
							Bottom	11.9	1	27.0	7.9	29.3	4.5	66.3	6.7	2.8				
			2	27.0	7.9	29.4	4.5	66.5	6.5	2.4	4.5									
		TCE-WQM1	Sunny	Calm	9:55	7.7	Surface	1.0	1	30.1	8.0	19.6	7.2	105.7	4.0	9.5	7.1	6.2	8.0	
								2	30.1	8.0	19.7	7.2	105.6	4.0	9.6					
	Middle						3.9	1	30.0	8.0	20.1	7.0	103.9	5.6	7.9					
	Bottom						6.7	1	30.0	8.0	20.2	7.0	103.7	6.0	8.9					
		2	30.0	7.9	20.9	6.9	101.8	8.8	6.1	6.9										
	TCE-WQM2a	Cloudy	Moderate	9:15	7.2	Surface	1.0	1	29.4	7.9	22.1	7.1	105.5	3.1	6.3	7.0	3.5	5.7		
							2	29.4	7.9	22.1	7.1	105.5	3.1	6.0						
						Middle	3.6	1	29.4	7.9	22.1	6.9	101.6	3.2	6.2					
						Bottom	6.2	1	29.3	7.9	22.2	6.9	101.4	3.2	5.8					
		2	28.0	7.8	26.6	5.7	85.3	4.1	5.0	5.7										
	TCE-WQM2b	Cloudy	Moderate	9:00	11.0	Surface	1.0	1	29.8	7.9	19.4	6.9	100.9	1.4	4.1	6.8	3.3	3.3		
							2	29.8	7.9	19.3	6.9	100.8	1.4	3.5						
						Middle	5.5	1	29.7	7.9	19.8	6.8	99.4	1.7	2.6					
						Bottom	10.0	1	29.7	7.9	19.8	6.8	99.3	1.8	3.5					
		2	29.4	7.8	21.7	6.1	89.8	6.6	2.9	6.0										
	TCE-WQM3A	Sunny	Calm	9:29	4.3	Surface	1.0	1	29.8	7.9	19.9	7.1	103.8	5.2	10.2	7.1	7.1	10.8		
							2	29.8	7.9	19.9	7.1	103.7	5.5	11.0						
						Bottom	3.3	1	29.7	7.9	20.5	6.4	93.9	9.1	11.2					
							2	29.7	7.9	20.6	6.4	93.9	8.9	10.9						
	TCE-WQM4	Sunny	Calm	9:40	3.6	Surface	1.0	1	30.0	8.0	20.1	7.9	116.2	2.3	5.8	7.9	5.3	6.1		
							2	30.0	8.0	20.1	7.9	116.1	2.4	6.9						
						Bottom	2.6	1	30.1	7.9	20.6	7.4	109.3	8.0	5.8					
							2	30.1	7.9	20.6	7.1	105.4	8.5	6.0						
	6/21/2021	Mid-Flood	TCE-C1	Rainy	Moderate	14:48	8.0	Surface	1.0	1	30.0	7.9	20.9	6.3	92.8	3.2	7.0	4.7	6.1	7.3
									2	30.0	7.9	20.9	6.2	92.6	3.2	6.7				
								Middle	4.0	1	27.9	7.9	28.2	3.2	47.9	6.7	7.2			
								Bottom	7.0	1	28.0	7.9	28.2	3.2	48.1	6.7	7.5			
				2	27.2	7.9	29.7	2.9	43.1	8.5	8.0	2.9								
			TCE-C2	Cloudy	Moderate	16:48	13.4	Surface	1.0	1	30.1	8.0	19.7	8.3	122.6	3.9	8.4	7.4	3.1	8.9
									2	30.1	8.0	19.7	8.3	122.4	4.0	7.8				
								Middle	6.7	1	29.1	8.0	22.3	6.6	97.1	2.9	8.8			
								Bottom	12.4	1	29.0	8.0	22.4	6.6	96.7	2.9	9.5			
				2	28.2	8.0	26.0	5.2	77.3	2.4	9.7	5.2								
			TCE-WQM1	Rainy	Moderate	15:33	7.9	Surface	1.0	1	30.5	8.0	20.0	8.2	121.7	2.8	7.8	8.1	4.5	7.2
									2	30.5	8.0	20.0	8.2	121.7	2.9	7.0				
		Middle						4.0	1	30.3	8.0	20.0	8.0	118.1	3.7	7.7				
		Bottom						6.9	1	30.3	8.0	20.0	7.9	117.8	3.7	7.0				
			2	30.1	8.0	20.9	7.0	104.2	7.2	6.6	7.0									
TCE-WQM2a		Cloudy	Moderate	16:09	7.1	Surface	1.0	1	30.1	8.0	20.9	7.0	104.7	7.1	6.8	8.7	6.5	8.1		
							2	30.3	8.0	20.4	8.8	130.6	3.0	7.2						
						Middle	3.6	1	30.4	8.0	20.8	8.6	128.7	6.7	7.4					
						Bottom	6.1	1	30.3	8.0	20.9	8.6	128.6	6.7	8.2					
		2	29.8	8.0	22.1	7.9	117.5	9.6	9.7	7.9										
TCE-WQM2b		Cloudy	Moderate	16:22	10.7	Surface	1.0	1	30.2	8.0	18.8	7.3	106.7	3.4	4.5	6.6	4.7	4.8		
							2	30.1	8.0	18.9	7.2	106.3	3.4	4.1						
						Middle	5.4	1	29.5	8.0	22.9	6.0	89.2	3.8	4.0					
						Bottom	9.7	1	29.5	8.0	22.9	6.1	90.2	4.0	5.0					
		2	27.8	8.0	27.4	6.0	89.8	6.7	5.2	6.0										
TCE-WQM3A		Cloudy	Moderate	15:58	3.9	Surface	1.0	1	30.8	8.0	20.5	8.7	131.0	5.6	11.6	8.7	6.5	11.6		
							2	30.8	8.0	20.5	8.7	130.8	5.7	12.9						
						Bottom	2.9	1	29.4	8.0	22.9	6.3	93.0	7.4	10.9					
							2	29.4	8.0	23.0	6.3	92.8	7.6	10.9						
TCE-WQM4		Rainy	Moderate	15:46	3.5	Surface	1.0	1	30.6	8.0	20.5	8.6	128.1	2.9	6.9	8.6	4.0	6.8		
							2	30.6	8.0	20.5	8.6	128.1	2.9	6.6						
						Bottom	2.5	1	30.5	8.0	20.7	8.1	121.1	5.1	7.1					
							2	30.6	8.0	20.7	8.1	121.2	5.2	6.6						

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)	
6/23/2021	Mid-Ebb	TCE-C1	Cloudy	Rough	12:49	6.5	Surface	1.0	1	27.4	8.0	26.9	4.1	59.9	9.3	2.7	3.2	8.9	3.9	
									2	27.4	8.0	26.9	4.1	59.9	9.3	3.4				
							Middle	3.3	1	26.1	7.9	32.3	2.4	35.3	8.9	3.5				
									2	26.1	7.9	32.3	2.4	35.2	8.9	3.3				
							Bottom	5.5	1	26.0	7.9	32.4	2.5	36.6	8.6	4.8				
									2	26.0	7.9	32.4	2.5	36.6	8.6	5.5				
		TCE-C2	Cloudy	Rough	10:40	15.2	Surface	1.0	1	28.7	8.1	22.2	5.8	84.1	3.2	5.1	5.3	4.5	4.8	
									2	28.7	8.1	22.2	5.8	84.1	3.2	6.0				
							Middle	7.6	1	27.8	8.0	26.1	4.8	70.1	4.6	5.6				
									2	27.8	8.0	26.1	4.8	70.1	4.6	5.8				
							Bottom	14.2	1	27.4	8.0	27.2	4.5	65.8	5.6	2.8				
									2	27.4	8.0	27.2	4.5	65.8	5.7	3.4				
		TCE-WQM1	Cloudy	Rough	12:15	9.6	Surface	1.0	1	28.9	8.0	21.6	5.1	75.1	9.9	5.4	4.4	6.7	4.5	
									2	28.9	8.0	21.7	5.1	74.9	9.9	5.4				
							Middle	4.8	1	28.4	8.0	22.8	3.7	54.0	7.2	4.9				
									2	28.4	8.0	22.8	3.6	52.9	7.2	4.3				
							Bottom	8.6	1	26.8	7.9	29.7	3.4	49.7	2.9	3.6				
									2	26.8	7.9	29.6	3.4	50.1	2.9	3.3				
		TCE-WQM2a	Cloudy	Rough	11:34	7.5	Surface	1.0	1	28.6	8.1	23.9	5.3	77.3	5.2	3.1	5.0	5.9	3.5	
									2	28.6	8.1	23.9	5.3	77.3	5.2	2.0				
							Middle	3.8	1	28.0	8.0	25.4	4.8	71.0	7.9	2.3				
									2	28.0	8.0	25.4	4.8	71.0	7.9	3.4				
							Bottom	6.5	1	27.9	8.0	25.9	4.7	69.7	4.7	4.9				
									2	27.9	8.0	25.9	4.7	69.7	4.7	5.5				
	TCE-WQM2b	Cloudy	Rough	11:20	10.8	Surface	1.0	1	28.9	8.1	19.6	5.9	85.7	9.8	4.4	5.6	8.9	4.7		
								2	28.9	8.1	19.6	5.9	85.7	9.8	4.4					
						Middle	5.4	1	28.4	8.0	23.3	5.3	76.8	6.5	4.4					
								2	28.4	8.0	23.3	5.3	76.9	6.5	5.3					
						Bottom	9.8	1	28.4	8.0	23.4	5.4	78.7	10.3	5.0					
								2	28.4	8.0	23.4	5.4	78.9	10.4	4.8					
	TCE-WQM3A	Cloudy	Rough	11:48	4.2	Surface	1.0	1	28.8	8.1	22.5	5.1	75.2	7.7	4.8	5.1	6.6	3.7		
								2	28.8	8.1	22.5	5.1	75.1	7.7	4.9					
						Bottom	3.2	1	28.0	8.0	26.4	5.2	76.4	5.4	2.6					
								2	28.0	8.0	26.4	5.2	76.9	5.4	2.6					
						Surface	1.0	1	29.0	8.1	21.9	5.6	81.5	6.4	7.2					
								2	29.0	8.1	21.9	5.5	80.8	6.4	6.5					
	TCE-WQM4	Cloudy	Rough	12:00	4.1	Surface	1.0	1	28.8	8.0	22.8	5.0	73.9	8.2	6.0	5.0	7.3	6.2		
								2	28.8	8.0	22.8	5.0	74.0	8.3	5.1					
						Bottom	3.1	1	28.8	8.0	22.8	5.0	73.9	8.2	6.0					
								2	28.8	8.0	22.8	5.0	74.0	8.3	5.1					
						Surface	1.0	1	28.5	8.1	19.3	5.2	74.2	7.5	2.4					
								2	28.4	8.1	19.3	5.2	73.9	7.4	1.8					
	6/23/2021	Mid-Flood	TCE-C1	Cloudy	Rough	17:10	6.8	Surface	1.0	1	28.5	8.1	19.3	5.2	74.2	7.5	2.4	4.7	5.4	2.7
										2	28.4	8.1	19.3	5.2	73.9	7.4	1.8			
								Middle	3.4	1	27.7	8.0	25.0	4.3	62.2	5.5	2.4			
										2	27.8	8.0	25.0	4.3	62.2	5.6	3.2			
								Bottom	5.8	1	27.6	8.0	25.7	4.4	64.9	3.3	2.9			
										2	27.6	8.0	25.6	4.5	65.2	3.3	3.4			
TCE-C2			Cloudy	Rough	19:28	14.2	Surface	1.0	1	28.6	8.0	20.9	5.7	82.1	2.6	2.5	5.5	3.7	2.7	
									2	28.6	8.0	20.9	5.7	82.0	2.6	2.1				
							Middle	7.1	1	28.4	8.0	22.6	5.3	76.6	4.5	3.0				
									2	28.4	8.0	22.6	5.3	76.7	4.5	2.1				
							Bottom	13.2	1	28.3	8.0	23.1	5.2	75.9	3.9	3.4				
									2	28.3	8.0	23.1	5.2	75.9	3.9	2.8				
TCE-WQM1			Cloudy	Rough	18:04	8.9	Surface	1.0	1	28.8	8.1	21.9	5.5	80.0	2.4	2.2	5.2	4.3	2.6	
									2	28.8	8.1	21.9	5.5	79.7	2.4	2.0				
							Middle	4.5	1	28.6	8.0	22.9	4.9	71.5	3.7	3.0				
									2	28.6	8.0	22.9	4.9	71.5	3.8	2.3				
							Bottom	7.9	1	28.1	7.9	25.1	4.1	59.6	6.7	3.3				
									2	28.0	7.9	25.1	4.1	59.5	6.6	2.9				
TCE-WQM2a			Cloudy	Rough	18:47	7.4	Surface	1.0	1	28.6	8.1	22.0	5.8	84.0	4.5	3.4	5.7	7.0	2.8	
									2	28.6	8.1	22.0	5.8	84.0	4.5	3.0				
							Middle	3.7	1	28.6	8.1	22.2	5.7	83.2	8.1	2.3				
									2	28.6	8.1	22.2	5.7	83.4	8.1	2.3				
							Bottom	6.4	1	28.6	8.1	23.0	4.8	69.8	8.4	1.9				
									2	28.6	8.1	23.0	4.8	69.8	8.3	2.8				
TCE-WQM2b		Cloudy	Rough	19:01	9.6	Surface	1.0	1	28.9	8.0	18.2	5.9	84.0	3.3	5.0	5.7	5.2	4.1		
								2	28.9	8.0	18.2	5.8	83.8	3.4	4.4					
						Middle	4.8	1	28.8	8.0	19.8	5.5	79.5	5.7	3.6					
								2	28.8	8.0	19.8	5.5	79.3	5.8	4.1					
						Bottom	8.6	1	28.0	8.0	24.8	4.6	68.0	6.2	3.3					
								2	28.0	8.0	24.8	4.7	68.2	6.7	4.0					
TCE-WQM3A		Cloudy	Rough	18:34	4.1	Surface	1.0	1	29.0	8.1	22.3	5.4	79.9	9.7	3.6	5.4	7.5	3.8		
								2	29.0	8.1	22.3	5.4	79.9	9.7	3.4					
						Bottom	3.1	1	27.8	8.0	26.7	4.2	62.4	5.3	4.1					
								2	27.8	8.0	26.7	4.2	62.5	5.3	4.1					
						Surface	1.0	1	28.6	8.0	23.3	4.7	68.2	8.4	2.5					
								2	28.6	8.0	23.2	4.7	68.2	8.4	3.3					
TCE-WQM4		Cloudy	Rough	18:20	3.9	Surface	1.0	1	28.5	8.0	23.9	5.1	75.4	7.8	3.7	5.1	8.1	3.1		
								2	28.5	8.0	23.9	5.1	75.4	7.8	3.7					
						Bottom	2.9	1	28.5	8.0	23.9	5.1	75.4	7.8	3.7					
								2	28.5	8.0	23.9	5.1	75.7	7.8	2.7					

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)			
6/25/2021	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:59	8.3	Surface	1.0	1	27.0	8.0	26.6	3.9	56.6	8.0	4.2	3.7	9.4	4.3			
									2	27.0	8.0	26.6	3.9	56.2	8.1	3.5						
							Middle	4.2	1	26.6	8.1	27.6	3.5	51.3	7.6	4.0						
									2	26.6	8.1	27.6	3.5	51.3	7.4	4.6						
				Bottom	7.3	1	26.7	8.1	27.6	3.6	52.6	12.3	5.0	3.6								
						2	26.7	8.1	27.6	3.6	52.7	12.7	4.3									
		TCE-C2	Cloudy	Moderate	11:38	14.7	Surface	1.0	1	27.5	8.0	23.5	4.1				58.4	1.5	3.0	3.7	2.2	3.2
								2	27.5	8.0	23.4	4.1	58.6				1.5	2.8				
		Middle					7.4	1	26.6	8.0	27.2	3.4	50.0	1.7	2.9							
								2	26.6	8.0	27.2	3.4	49.9	1.8	3.2							
				Bottom	13.7	1	26.1	8.0	29.3	3.0	44.3	3.3	3.4	3.0								
						2	26.1	8.1	29.3	3.0	44.3	3.4	4.0									
	TCE-WQM1	Cloudy	Moderate	13:13	9.6	Surface	1.0	1	27.6	7.9	23.8	4.1	59.9				3.9	5.4	4.0	6.0	5.7	
							2	27.6	7.9	23.8	4.1	59.9	3.9				5.9					
	Middle					4.8	1	27.2	8.0	24.8	3.8	54.8	6.0	5.0								
							2	27.2	8.0	24.8	3.8	54.7	6.0	5.9								
			Bottom	8.6	1	27.1	8.0	25.1	3.8	55.3	8.0	6.1	3.8									
					2	27.1	8.0	25.1	3.8	55.5	8.1	5.6										
	TCE-WQM2a	Cloudy	Moderate	12:31	7.8	Surface	1.0	1	27.6	8.0	23.8	4.1				59.6	2.7	4.9	4.0	3.1	5.4	
							2	27.6	8.0	23.8	4.1	59.6				2.7	4.8					
	Middle					3.9	1	27.2	8.0	24.9	3.8	55.7	3.0	5.6								
							2	27.2	8.0	24.9	3.8	55.6	3.0	5.4								
			Bottom	6.8	1	27.0	8.1	25.8	3.6	52.5	3.7	6.0	3.6									
					2	27.0	8.1	25.8	3.6	52.5	3.7	5.4										
TCE-WQM2b	Cloudy	Moderate	12:18	10.3	Surface	1.0	1	27.7	8.1	23.2	4.4	63.6				1.2	2.9	4.2	5.2	3.0		
						2	27.7	8.1	23.1	4.4	63.6	1.2				3.6						
Middle					5.2	1	27.3	8.2	24.4	3.9	56.8	7.4	3.4									
						2	27.3	8.2	24.4	3.9	56.9	7.4	2.7									
		Bottom	9.3	1	27.3	8.2	24.5	4.0	58.4	6.9	2.4	4.0										
				2	27.3	8.2	24.5	4.1	58.6	7.0	3.0											
TCE-WQM3A	Cloudy	Moderate	12:48	4.4	Surface	1.0	1	27.7	8.0	22.6	4.0				57.6	7.1	11.6	4.0	7.8	11.5		
						2	27.7	8.0	22.7	4.0	57.1				7.1	11.1						
Middle					3.4	1	27.2	8.0	24.9	3.3	48.3	8.4	12.1									
						2	27.2	8.0	25.0	3.3	48.4	8.6	11.3									
		Bottom	3.4	1	27.2	8.0	24.9	3.3	48.3	8.4	12.1	3.3										
				2	27.2	8.0	25.0	3.3	48.4	8.6	11.3											
TCE-WQM4	Cloudy	Moderate	13:00	3.7	Surface	1.0	1	27.7	8.0	23.2	4.0				57.9	4.0	3.2	4.0	4.7	3.6		
						2	27.7	8.0	23.2	4.0	58.0				4.0	3.5						
Middle					2.7	1	27.5	8.0	23.7	3.8	55.0	5.3	4.0									
						2	27.5	8.0	23.6	3.8	55.2	5.3	3.7									
		Bottom	2.7	1	27.5	8.0	23.7	3.8	55.0	5.3	4.0	3.8										
				2	27.5	8.0	23.6	3.8	55.2	5.3	3.7											
6/25/2021	Mid-Flood	TCE-C1	Cloudy	Rough	19:02	7.5	Surface	1.0	1	27.7	8.0				22.3	4.4	62.7	10.4	4.8	4.3	8.1	4.7
								2	27.7	8.0	22.2				4.4	63.0	10.4	5.0				
Middle							3.8	1	27.3	8.0	22.7	4.2	59.6	9.9	4.8							
								2	27.2	8.0	22.8	4.1	58.8	9.9	4.3							
			Bottom	6.5	1	26.9	8.1	26.2	3.7	53.9	4.1	4.4	3.7									
					2	26.9	8.1	26.3	3.7	54.0	4.0	4.6										
TCE-C2		Cloudy	Rough	21:32	13.8	Surface	1.0	1	27.7	7.9	22.5	4.5				64.7	7.5	5.8	4.2	7.0	5.1	
							2	27.7	7.9	22.5	4.5	64.7				7.5	5.3					
Middle						6.9	1	27.3	7.9	24.4	3.9	56.2	8.9	5.4								
							2	27.3	7.9	24.4	3.9	56.2	8.9	4.7								
			Bottom	12.8	1	26.8	7.9	26.5	3.5	50.1	4.6	5.1	3.5									
					2	26.8	7.9	26.5	3.5	50.2	4.6	4.2										
TCE-WQM1		Cloudy	Rough	20:15	8.3	Surface	1.0	1	27.7	7.9	23.7	4.3				61.9	4.8	4.9	4.1	5.5	5.0	
							2	27.7	7.9	23.6	4.3	61.9				4.9	5.4					
Middle						4.2	1	27.5	7.9	24.0	4.0	57.6	2.7	5.1								
							2	27.5	7.9	24.0	4.0	57.5	2.7	4.8								
			Bottom	7.3	1	27.2	7.9	24.8	3.8	54.5	9.0	5.0	3.8									
					2	27.2	7.9	24.8	3.8	54.7	9.0	4.7										
TCE-WQM2a		Cloudy	Rough	20:54	7.2	Surface	1.0	1	27.9	7.9	22.1	4.7				68.3	3.2	5.5	4.6	4.0	6.0	
							2	27.9	7.9	22.1	4.7	68.3				3.2	5.4					
Middle						3.6	1	27.7	7.9	23.5	4.6	66.1	3.8	6.0								
							2	27.7	7.9	23.4	4.6	66.1	3.8	6.4								
			Bottom	6.2	1	27.3	7.9	24.7	4.1	58.8	4.9	6.0	4.1									
					2	27.3	7.9	24.7	4.1	59.0	4.9	6.8										
TCE-WQM2b	Cloudy	Rough	21:07	9.8	Surface	1.0	1	28.3	7.9	19.6	4.9	70.0				4.0	6.9	4.8	6.2	6.2		
						2	28.3	7.9	19.7	4.9	69.8	4.0				7.4						
Middle					4.9	1	28.1	7.9	20.8	4.7	67.6	6.4	6.0									
						2	28.1	7.9	20.8	4.7	67.6	6.4	5.6									
		Bottom	8.8	1	28.0	7.9	21.2	4.7	67.4	8.2	5.3	4.7										
				2	28.0	7.9	21.2	4.7	67.5	8.3	6.0											
TCE-WQM3A	Cloudy	Rough	20:42	4.8	Surface	1.0	1	28.0	7.9	22.4	4.3				62.6	5.5	7.6	4.3	6.0	7.1		
						2	28.0	7.9	22.4	4.3	62.6				5.6	7.1						
Middle					3.8	1	27.1	7.9	26.1	3.1	45.7	6.5	6.9									
						2	27.1	7.8	26.1	3.2	46.1	6.4	6.7									
		Bottom	3.8	1	27.4	7.9	24.2	3.8	55.1	3.8	5.3	3.8	3.6	6.2								
				2	27.4	7.9	24.2	3.8	55.2	3.8	6.0											
TCE-WQM4	Cloudy	Rough	20:29	4.2	Surface	1.0	1	27.3	7.9	24.9	3.7				53.0	3.4	6.7	3.7				
						2	27.3	7.9	24.8	3.7	53.5				3.5	6.9						
Middle					3.2	1	27.3	7.9	24.9	3.7	53.0	3.4	6.7									
						2	27.3	7.9	24.8	3.7	53.5	3.5	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)
6/28/2021	Mid-Ebb	TCE-C1	Cloudy	Rough	14:00	7.4	Surface	1.0	1	27.4	8.0	20.4	6.0	84.8	4.0	5.8	5.1	5.2	6.1
									2	27.4	8.0	20.4	6.0	84.7	4.0	5.5			
							Middle	3.7	1	26.3	8.0	28.2	4.2	61.0	3.4	5.4			
									2	26.3	8.0	28.2	4.2	61.1	3.4	5.9			
							Bottom	6.4	1	25.8	8.0	30.8	3.8	55.3	8.2	6.7			
									2	25.8	8.0	30.8	3.8	55.3	8.3	7.1			
		TCE-C2	Cloudy	Rough	15:49	14.8	Surface	1.0	1	28.1	7.9	19.1	6.0	85.9	0.9	2.8	5.7	4.7	7.3
									2	28.1	7.9	19.1	6.0	85.9	0.9	3.0			
							Middle	7.4	1	27.8	7.9	20.1	5.4	76.6	5.8	8.1			
									2	27.8	7.9	20.1	5.4	76.7	5.8	7.0			
							Bottom	13.8	1	27.0	8.0	24.1	4.5	64.7	7.4	11.0			
									2	27.0	8.0	24.1	4.5	64.7	7.4	12.1			
		TCE-WQM1	Cloudy	Rough	14:00	8.7	Surface	1.0	1	27.5	7.9	20.2	5.4	76.8	4.8	8.2	5.4	6.7	11.2
									2	27.5	7.9	20.2	5.4	76.9	4.8	9.1			
							Middle	4.4	1	27.4	7.9	21.2	5.3	75.9	8.4	10.3			
									2	27.4	7.9	21.2	5.3	76.0	8.4	11.6			
							Bottom	7.7	1	27.4	7.9	21.3	5.5	77.6	6.9	13.7			
									2	27.4	7.9	21.3	5.5	77.8	6.9	14.5			
		TCE-WQM2a	Cloudy	Rough	15:14	7.7	Surface	1.0	1	27.8	7.9	20.8	4.9	69.4	2.6	4.7	4.8	2.7	5.9
									2	27.8	7.9	20.8	4.9	69.4	2.6	4.5			
							Middle	3.9	1	27.7	7.9	21.6	4.6	66.5	2.5	6.0			
									2	27.7	7.9	21.6	4.7	66.5	2.5	6.1			
							Bottom	6.7	1	27.5	7.9	22.7	4.5	65.0	3.0	7.2			
									2	27.5	7.9	22.7	4.5	65.1	3.1	6.6			
		TCE-WQM2b	Cloudy	Rough	15:28	12.3	Surface	1.0	1	27.6	7.9	21.0	5.1	72.5	5.8	2.6	5.0	8.9	8.3
									2	27.6	7.9	21.0	5.1	72.4	5.8	2.9			
							Middle	6.2	1	27.5	7.9	21.4	5.0	70.8	7.6	8.6			
									2	27.5	7.9	21.4	5.0	70.8	7.6	8.9			
							Bottom	11.3	1	27.6	7.9	21.3	5.0	71.8	13.3	12.8			
									2	27.6	7.9	21.3	5.0	71.8	13.3	13.7			
		TCE-WQM3A	Cloudy	Rough	15:05	3.8	Surface	1.0	1	27.7	7.9	19.7	5.0	70.7	6.2	21.3	5.0	5.1	13.5
									2	27.7	7.9	19.7	5.0	70.6	6.2	16.2			
							Bottom	2.8	1	27.8	7.8	20.7	4.6	65.6	4.1	8.5			
									2	27.8	7.8	20.7	4.6	65.7	4.1	8.0			
							Surface	1.0	1	27.5	7.9	17.5	5.9	82.5	5.3	7.7			
									2	27.5	7.9	17.5	5.9	82.7	5.4	8.5			
		TCE-WQM4	Cloudy	Rough	14:52	4.2	Surface	1.0	1	27.8	7.9	21.0	5.0	72.2	2.6	6.0	5.1	4.0	6.9
									2	27.8	7.9	21.0	5.1	72.4	2.6	5.4			

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)				
6/30/2021	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:35	8.4	Surface	1.0	1	27.8	8.1	21.6	6.4	91.4	3.1	1.6	5.6	10.4	1.9				
									2	27.7	8.0	21.6	6.3	90.5	3.2	2.0							
							Middle	4.2	1	26.6	8.0	25.9	4.8	69.5	12.2	2.2							
								2	26.5	8.0	25.9	4.8	69.6	12.1	1.8								
			Bottom	7.4	1	26.2	8.0	28.3	4.3	61.8	15.9	1.9	4.3										
				2	26.2	8.0	28.3	4.3	62.1	15.9	2.1												
		TCE-C2	Cloudy	Moderate	17:37	15.1	Surface	1.0	1	28.0	8.0	20.2				6.2	88.1	2.7	1.9	5.3	6.3	1.9	
								2	28.0	8.0	20.2	6.1				87.8	2.7	1.3					
		Middle					7.6	1	26.2	8.0	27.4	4.5	65.5	3.6	1.9								
							2	26.1	8.0	27.5	4.5	65.4	3.6	2.1									
			Bottom	14.1	1	25.4	8.0	31.2	4.0	57.8	12.5	2.0	4.0										
				2	25.4	8.0	31.3	4.0	57.9	12.3	2.2												
	TCE-WQM1	Cloudy	Moderate	16:24	8.8	Surface	1.0	1	27.8	8.0	21.2	5.8				83.0	6.0	1.0	5.6	9.1	1.4		
							2	27.8	8.0	21.2	5.8	82.9				6.5	1.1						
	Middle					4.4	1	27.5	8.0	21.7	5.3	76.2	9.9	1.3									
						2	27.5	8.0	21.8	5.3	75.9	10.5	1.6										
		Bottom	7.8	1	27.4	8.0	22.4	5.0	72.1	10.8	1.4	5.0											
			2	27.4	8.0	22.4	5.1	72.3	10.8	1.7													
	TCE-WQM2a	Cloudy	Moderate	16:59	7.2	Surface	1.0	1	27.9	8.0	21.0				5.7	80.9	4.3	3.5	5.3	6.1	3.2		
							2	27.9	8.0	21.0	5.7				80.9	4.3	4.3						
	Middle					3.6	1	26.9	8.0	23.5	5.0	71.7	4.5	3.8									
						2	26.8	8.0	23.5	5.0	71.5	4.5	3.9										
		Bottom	6.2	1	26.3	8.0	27.6	4.5	65.0	8.9	2.4	4.5											
			2	26.3	8.0	27.7	4.5	65.4	9.2	1.2													
	TCE-WQM2b	Cloudy	Moderate	17:11	11.0	Surface	1.0	1	28.2	8.0	20.5				6.0	86.1	3.0	2.0	5.5	5.3	2.5		
							2	28.2	8.0	20.5	6.0				85.9	3.0	1.8						
	Middle					5.5	1	27.2	8.0	22.9	5.1	72.9	4.0	2.1									
						2	27.1	8.0	23.0	5.1	72.7	4.8	3.2										
		Bottom	10.0	1	25.9	8.0	27.6	4.3	61.8	8.4	2.4	4.3											
			2	25.9	8.0	27.7	4.3	61.6	8.5	3.4													
	TCE-WQM3A	Cloudy	Moderate	16:48	4.5	Surface	1.0	1	27.9	7.9	20.3				5.8	83.3	3.3	4.3	5.8	6.3	4.2		
							2	27.9	7.9	20.3	5.8				83.4	3.6	4.0						
	Middle					3.5	1	27.5	7.9	21.8	5.1	73.4	9.2	3.8									
						2	27.5	7.9	21.8	5.2	73.6	9.3	4.6										
		Bottom	3.5	1	27.5	7.9	21.8	5.1	73.4	9.2	3.8	5.1											
			2	27.5	7.9	21.8	5.2	73.6	9.3	4.6													
	TCE-WQM4	Cloudy	Moderate	16:36	3.9	Surface	1.0	1	28.1	8.0	20.5				5.9	85.1	4.3	5.2	5.9	4.6	4.5		
							2	28.1	8.0	20.5	5.9				85.2	4.2	4.1						
	Middle					2.9	1	28.0	8.0	20.8	5.9	84.3	4.9	4.3									
						2	28.0	8.0	20.8	5.9	84.3	4.9	4.2										
		Bottom	2.9	1	28.0	8.0	20.8	5.9	84.3	4.9	4.3	5.9											
			2	28.0	8.0	20.8	5.9	84.3	4.9	4.2													
	6/30/2021	Mid-Flood	TCE-C1	Cloudy	Moderate	11:10	8.4	Surface	1.0	1	27.6				8.0	20.8	7.0	101.3	4.0	2.1	6.7	5.0	1.8
									2	27.6	7.9				20.9	7.0	100.9	4.2	1.9				
	Middle							4.2	1	27.3	7.9	23.0	6.4	93.2	5.1	2.0							
								2	27.3	7.9	23.2	6.4	93.1	5.2	1.7								
			Bottom	7.4	1	26.9	7.9	24.7	5.8	85.0	5.8	1.6	5.9										
				2	26.9	7.9	25.1	5.9	85.7	5.8	1.5												
TCE-C2	Cloudy		Moderate	8:46	15.5	Surface	1.0	1	27.9	8.0	17.8	6.5				92.1	3.4	1.9	6.0	4.5	3.9		
							2	27.8	8.0	17.8	6.5	92.1				3.5	2.6						
Middle						7.8	1	27.0	8.0	23.0	5.5	79.0	4.1	2.0									
						2	26.8	8.0	23.2	5.5	78.5	4.3	2.7										
	Bottom		14.5	1	25.6	8.0	30.1	4.5	66.7	6.0	5.5	4.6											
			2	25.6	8.0	30.1	4.6	66.9	5.9	8.6													
TCE-WQM1	Cloudy		Moderate	10:17	9.2	Surface	1.0	1	27.8	8.0	21.2				6.2	89.9	4.4	3.7	6.1	7.6	3.8		
							2	27.8	8.0	21.2	6.2				89.9	4.4	3.8						
Middle						4.6	1	27.6	8.0	21.3	6.0	86.1	4.7	3.2									
						2	27.6	8.0	21.3	6.0	86.0	4.8	3.8										
	Bottom		8.2	1	27.3	7.9	22.7	5.1	74.3	13.6	4.3	5.2											
			2	27.3	7.9	22.7	5.2	75.0	13.5	4.2													
TCE-WQM2a	Cloudy		Moderate	9:35	7.6	Surface	1.0	1	27.7	8.0	20.6				6.2	89.3	3.6	2.6	6.1	4.4	2.6		
							2	27.7	8.0	20.6	6.2				89.3	3.6	2.0						
Middle						3.8	1	27.5	8.0	21.5	6.0	86.3	4.6	2.8									
						2	27.5	8.0	21.5	6.0	86.3	4.6	2.4										
	Bottom		6.6	1	27.4	8.0	22.2	5.8	84.2	5.0	3.0	5.8											
			2	27.4	8.0	22.1	5.8	84.1	4.9	2.7													
TCE-WQM2b	Cloudy		Moderate	9:19	11.8	Surface	1.0	1	28.0	8.0	18.1				6.5	92.8	3.4	1.5	5.8	6.0	2.8		
							2	28.0	8.0	18.2	6.5				92.6	3.4	1.9						
Middle						5.9	1	27.0	8.0	23.5	5.1	73.8	6.0	2.8									
						2	27.0	8.0	23.5	5.1	73.9	5.9	2.0										
	Bottom		10.8	1	25.9	8.0	29.0	4.6	66.8	8.8	4.6	4.6											
			2	25.9	8.0	29.0	4.6	67.4	8.6	3.8													
TCE-WQM3A	Cloudy		Moderate	9:51	4.6	Surface	1.0	1	27.7	8.0	20.2				6.2	89.3	3.4	1.6	6.2	5.3	2.0		
							2	27.7	8.0	20.2	6.2				88.9	3.4	1.6						
Middle						3.6	1	27.4	7.9	21.9	5.2	75.5	7.3	2.3									
						2	27.4	7.9	21.9	5.2	75.6	7.3	2.6										
	Bottom		3.3	1	27.8	8.0	20.2	6.2	88.5	4.4	3.4	6.1	5.9	3.5									
			2	27.8	8.0	20.2	6.1	88.4	4.4	3.8													
TCE-WQM4	Cloudy		Moderate	10:03	4.3	Surface	1.0	1	27.5	7.9	21.8				5.9	85.2	7.3	3.2	5.9				
							2	27.5	7.9	21.8	5.9				85.2	7.3	3.2						
Middle						3.3	1	27.4	7.9	21.8	5.9	85.3	7.4	3.6									
						2	27.4	7.9	21.8	5.9	85.3	7.4	3.6										