

Annex G3

Monitoring Results for Water Quality

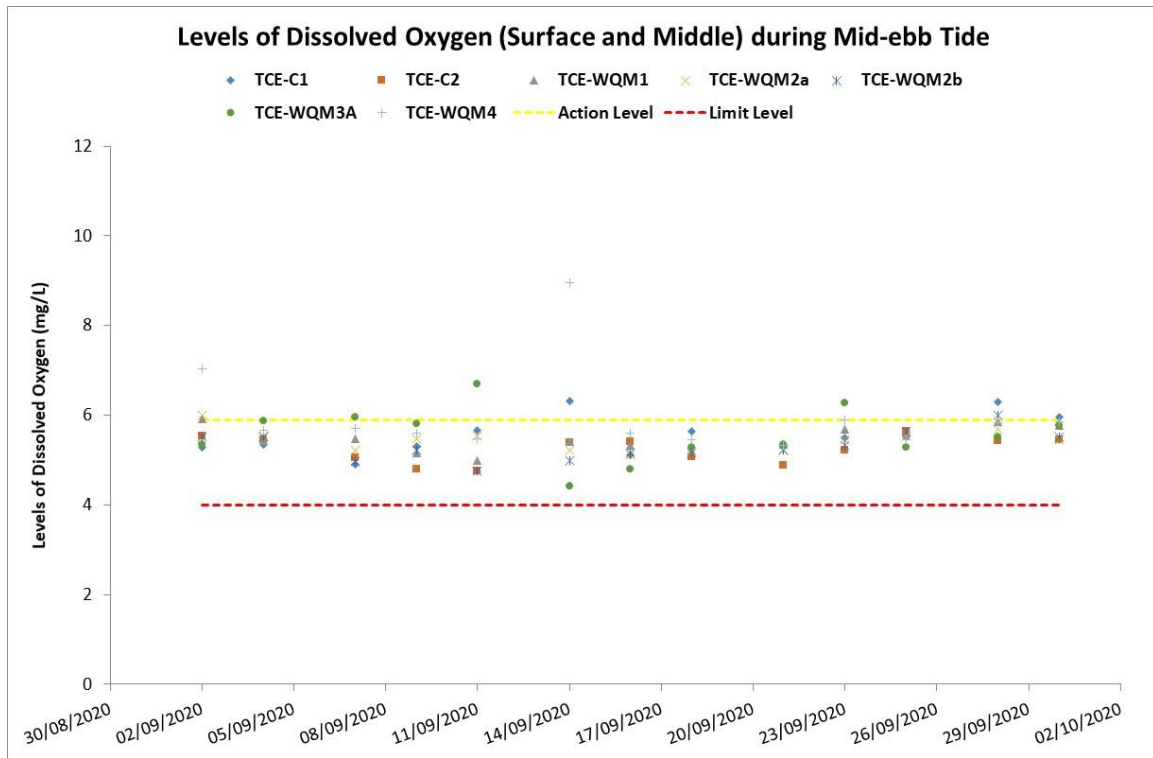


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2020

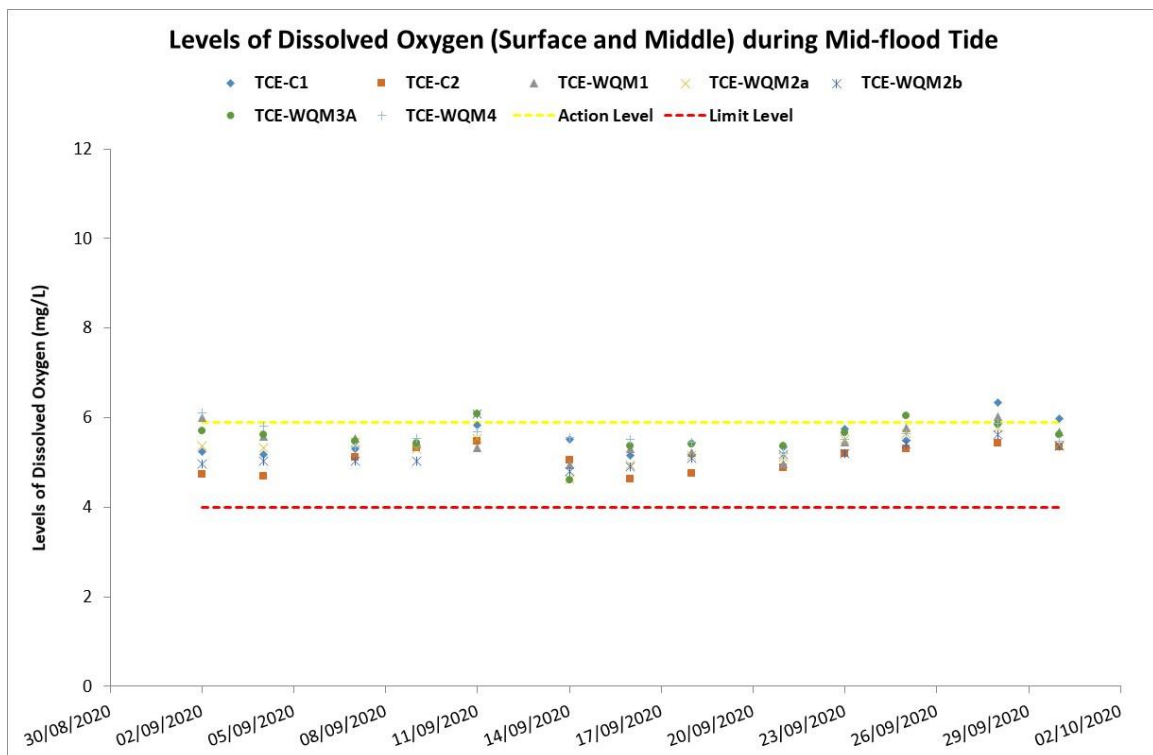


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 2020

**Environmental
 Resources
 Management**



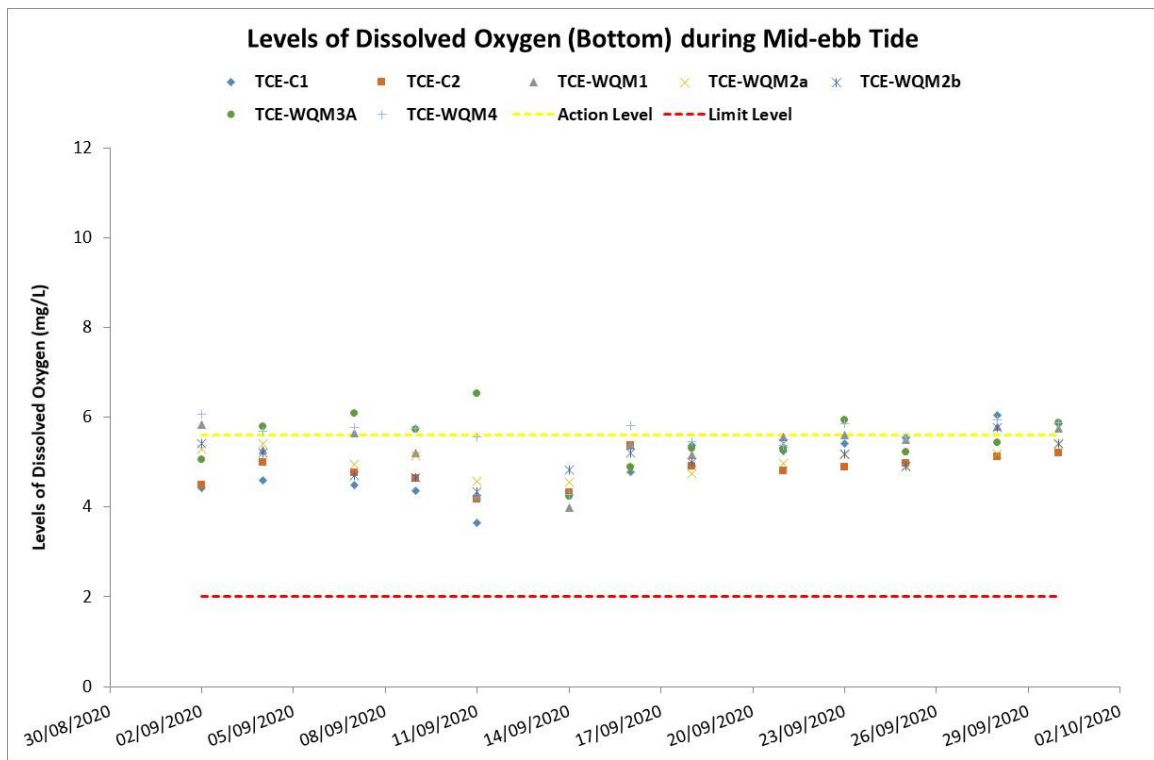


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2020

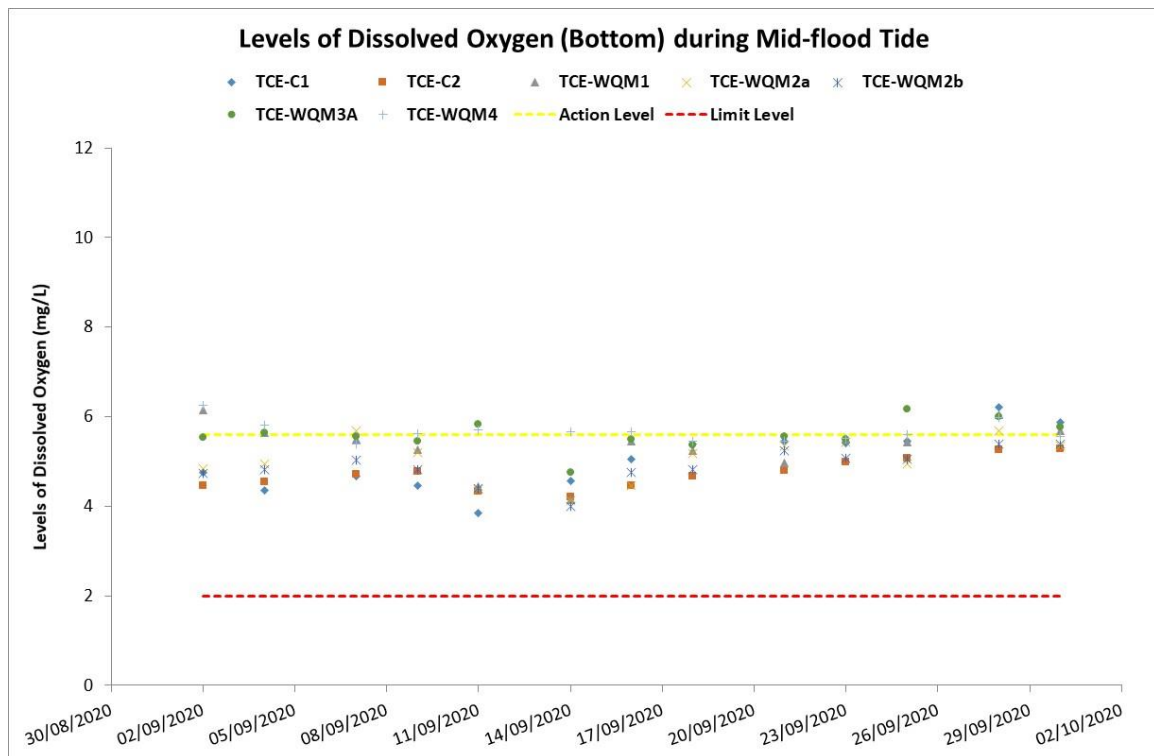


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2020

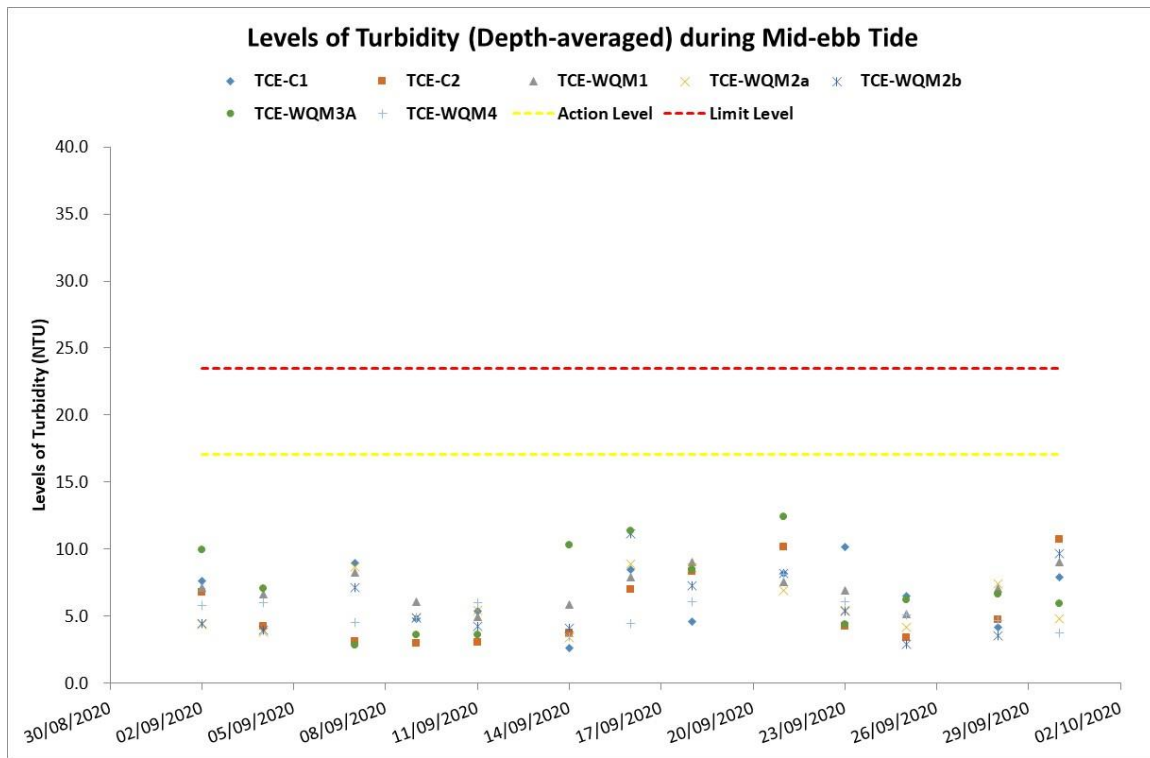


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2020

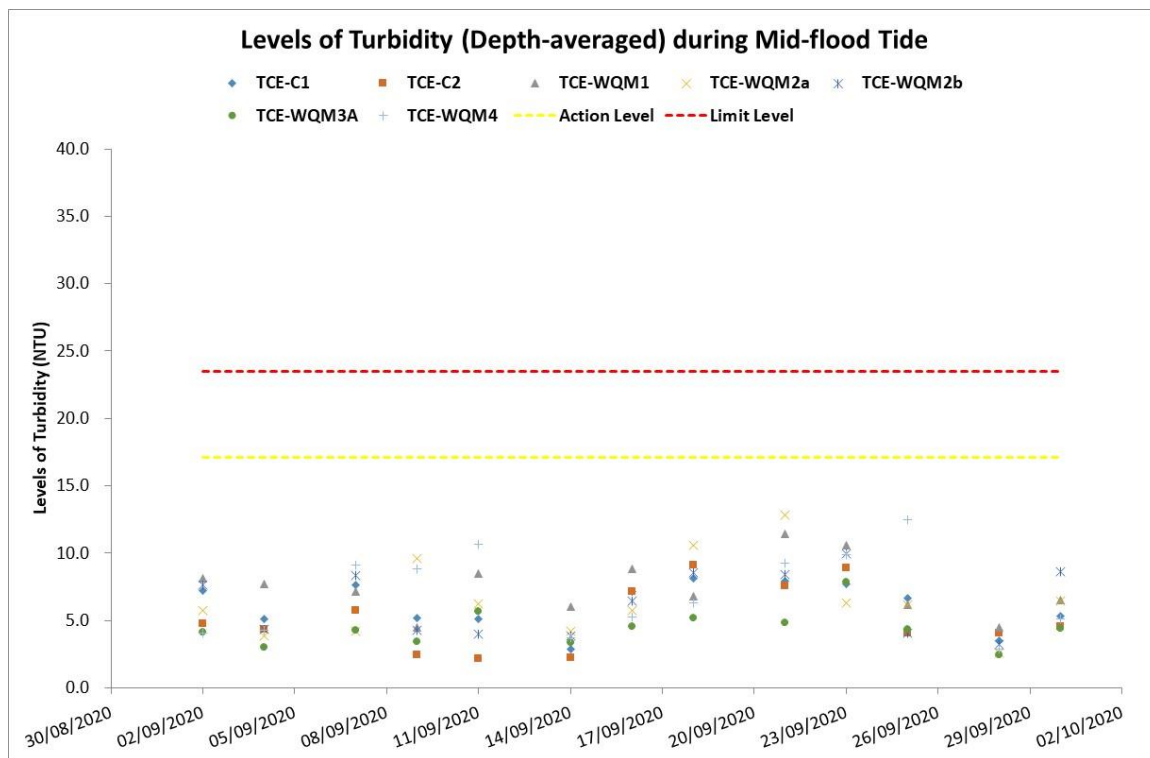


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2020

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

Date: September 2020

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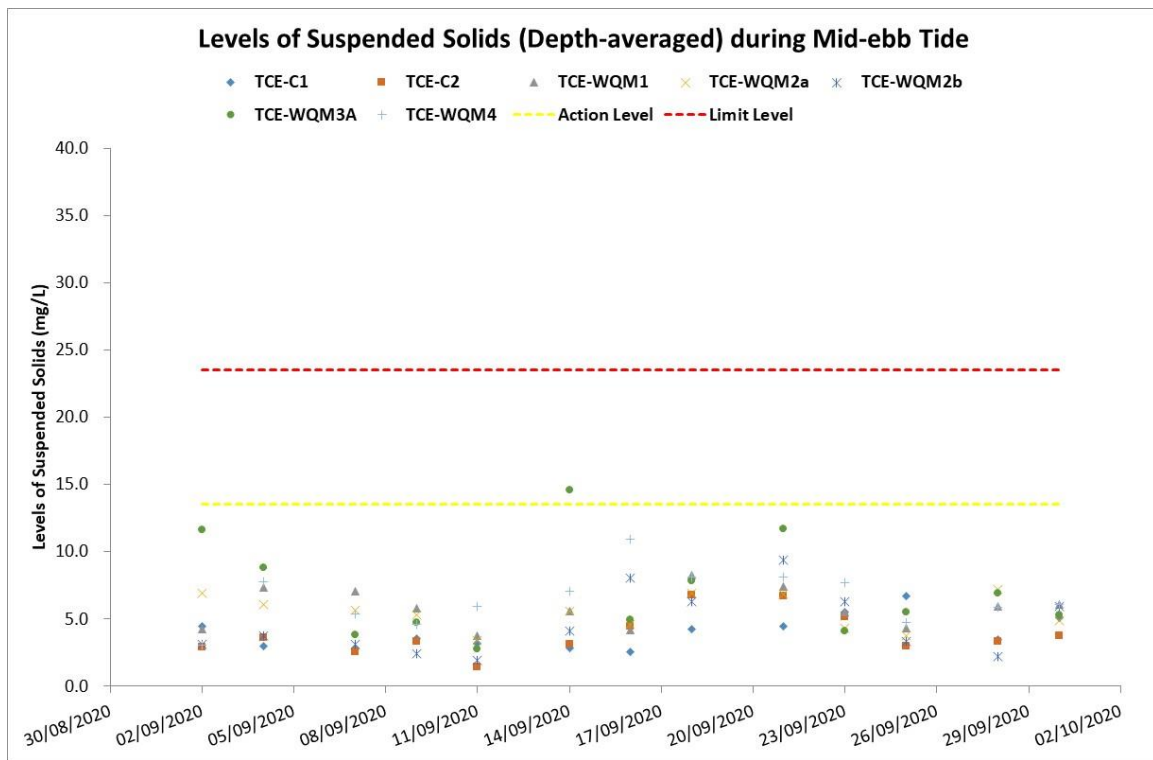


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 September 2020

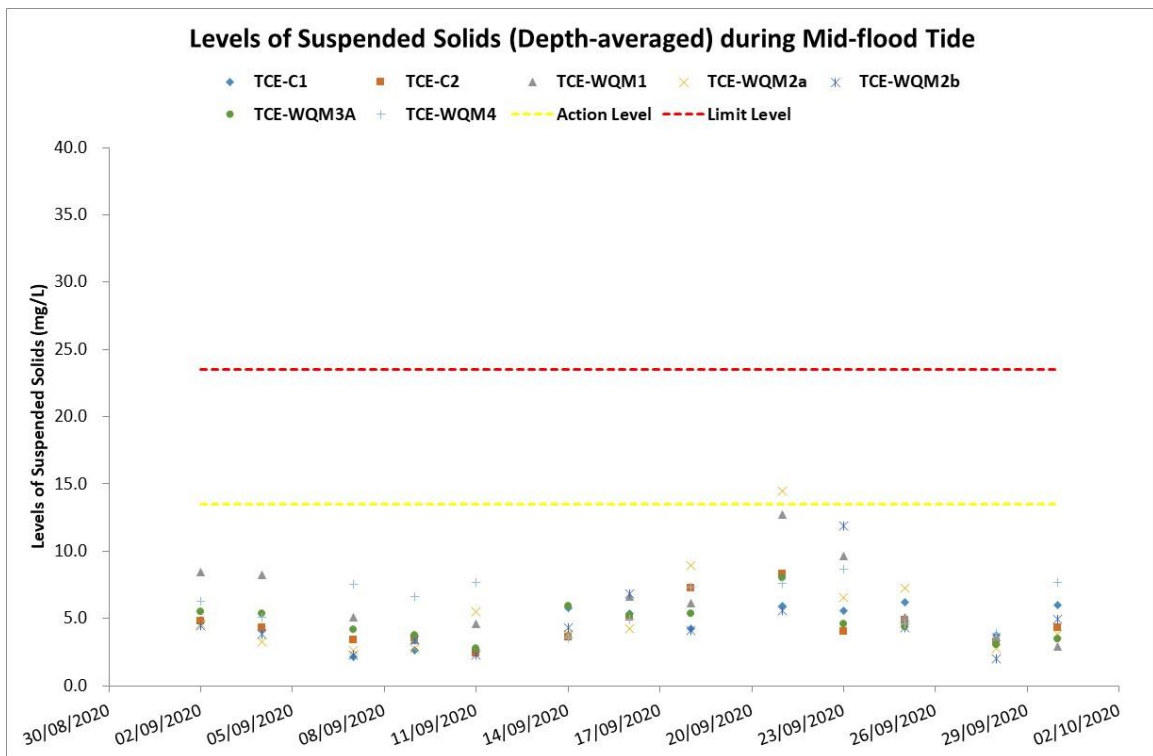


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 September 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 2020

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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)								
02-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:32	8.3	Surface	1.0	1	28.8	8.1	23.5	6.1	90.4	3.2	3.7	5.3	7.6	4.5								
									2	28.8	8.1	23.5	6.1	90.3	3.2	3.6											
							Middle	4.2	1	26.5	8.0	30.6	4.4	65.3	9.0	4.2											
									2	26.5	8.0	30.6	4.4	65.2	9.3	4.0											
							Bottom	7.3	1	26.4	8.0	30.8	4.4	65.4	10.7	5.6											
									2	26.4	8.0	30.8	4.4	65.6	10.4	5.7											
		TCE-C2	Cloudy	Moderate	13:21	13.2	Surface	1.0	1	29.2	8.0	23.9	5.9	88.2	2.1	2.1	5.5	6.8	2.9								
									2	29.2	8.0	23.9	5.9	88.0	2.1	2.3											
							Middle	6.6	1	28.2	8.0	25.6	5.1	76.0	9.2	3.0											
									2	28.3	8.0	25.5	5.1	75.9	9.2	2.9											
							Bottom	12.2	1	26.6	8.0	29.5	4.5	66.1	9.2	3.7											
									2	26.6	8.0	29.5	4.5	66.3	9.0	3.5											
		TCE-WQM1	Cloudy	Moderate	12:14	8.2	Surface	1.0	1	29.1	8.0	23.1	6.1	90.9	3.9	3.6	5.9	7.2	4.3								
									2	29.1	8.0	23.1	6.1	90.8	4.0	3.1											
							Middle	4.1	1	28.8	8.0	23.6	5.7	84.5	8.1	4.4											
									2	28.8	8.0	23.6	5.7	84.3	8.4	4.5											
							Bottom	7.2	1	28.8	8.1	23.7	5.8	85.9	9.4	4.8											
									2	28.8	8.1	23.7	5.8	86.3	9.3	5.1											
		TCE-WQM2a	Cloudy	Moderate	12:48	7.2	Surface	1.0	1	29.0	8.0	24.5	6.3	94.1	4.1	6.2	6.0	4.4	7.0								
									2	29.0	8.0	24.5	6.3	94.1	4.1	5.9											
							Middle	3.6	1	28.5	8.0	25.3	5.7	84.2	4.8	6.9											
									2	28.5	8.0	25.4	5.7	84.1	4.7	7.0											
							Bottom	6.2	1	27.9	8.0	26.5	5.3	78.0	4.4	7.7											
									2	27.9	8.0	26.5	5.3	78.3	4.4	8.0											
		TCE-WQM2b	Cloudy	Moderate	13:00	11.1	Surface	1.0	1	28.9	8.0	23.6	5.6	83.2	2.7	2.6	5.5	4.5	3.1								
									2	28.9	8.0	23.6	5.6	83.0	2.7	2.5											
							Middle	5.6	1	28.7	8.0	24.2	5.4	80.3	5.1	3.3											
									2	28.7	8.0	24.2	5.4	80.2	5.2	3.0											
							Bottom	10.1	1	28.7	8.0	24.2	5.4	80.0	5.6	3.5											
									2	28.7	8.0	24.2	5.4	80.0	5.6	3.7											
		TCE-WQM3A	Cloudy	Moderate	12:38	4.1	Surface	1.0	1	28.9	8.0	23.9	5.3	79.1	9.9	9.4	5.4	10.0	11.7								
									2	28.9	8.0	23.9	5.4	79.4	9.9	9.7											
							Bottom	3.1	1	28.4	8.0	24.9	5.0	74.5	10.0	13.6											
									2	28.4	8.0	24.9	5.1	74.9	10.1	13.9											
							TCE-WQM4	Cloudy	Moderate	12:28	3.8	Surface	1.0	1	29.5	8.1				23.4	7.0	104.9	3.1	2.9	7.0	5.8	3.0
													2	29.5	8.1	23.3				7.0	104.7	3.3	2.7				
		Bottom	2.8	1	29.3	8.0	23.8					6.1	90.3	8.6	3.1												
				2	29.3	8.0	23.8					6.1	90.4	8.1	3.4												
		TCE-C1	Cloudy	Moderate	8:31	8.1	Surface					1.0	1	28.6	8.1	23.0	5.9	86.7	3.9	5.9	5.2	7.2	4.9				
												2	28.6	8.1	23.0	5.9	86.5	3.8	5.8								
		Middle					4.1	1	26.5	8.0	30.6	4.6	67.7	8.0	4.8												
								2	26.5	8.0	30.6	4.6	67.7	8.3	4.5												
		Bottom					7.1	1	26.3	8.0	31.0	4.7	70.0	9.5	3.9												
								2	26.3	8.1	31.0	4.8	70.2	9.6	4.3												
		TCE-C2	Cloudy	Moderate	6:12	13.1	Surface	1.0	1	28.0	7.9	25.3	5.1	75.6	2.2	3.8	4.7	4.7	4.8								
									2	28.0	7.9	25.3	5.1	75.5	2.2	4.2											
							Middle	6.6	1	26.2	7.9	30.4	4.3	63.4	4.8	4.6											
									2	26.2	7.9	30.4	4.3	63.5	4.8	4.8											
Bottom	12.1						1	25.6	7.9	31.3	4.5	65.1	7.2	5.6													
							2	25.6	7.9	31.3	4.5	65.4	7.2	5.9													
TCE-WQM1	Cloudy	Moderate	7:29	8.2	Surface	1.0	1	29.1	8.0	23.5	6.0	88.7	7.2	6.9	6.0	8.1	8.4										
							2	29.1	8.0	23.5	6.0	88.7	7.3	7.1													
					Middle	4.1	1	29.1	8.0	23.5	6.0	89.3	8.5	8.3													
							2	29.1	8.0	23.5	6.0	89.6	8.5	8.6													
					Bottom	7.2	1	28.9	8.0	23.6	6.1	90.8	8.7	9.7													
							2	28.9	8.0	23.7	6.2	91.1	8.6	9.9													
TCE-WQM2a	Cloudy	Moderate	6:52	7.4	Surface	1.0	1	28.9	8.0	22.9	5.7	84.2	3.1	3.7	5.4	5.8	4.6										
							2	28.9	8.0	22.9	5.7	84.2	3.1	3.5													
					Middle	3.7	1	28.3	8.0	24.9	5.0	73.9	3.9	4.7													
							2	28.3	8.0	24.9	5.0	73.8	3.9	4.8													
					Bottom	6.4	1	27.6	8.0	27.6	4.8	71.2	10.3	5.5													
							2	27.6	8.0	27.6	4.9	71.8	10.3	5.2													
TCE-WQM2b	Cloudy	Moderate	6:40	10.9	Surface	1.0	1	28.4	8.0	24.0	5.3	77.1	3.4	5.2	5.0	7.6	4.5										
							2	28.2	8.0	24.1	5.2	76.8	3.6	5.5													
					Middle	5.5	1	27.4	8.0	27.7	4.7	68.9	7.8	4.1													
							2	27.4	8.0	27.8	4.7	68.8	7.6	4.4													
					Bottom	9.9	1	27.2	8.0	28.4	4.7	69.6	11.6	3.7													
							2	27.2	8.0	28.4	4.7	69.8	11.7	4.0													
TCE-WQM3A	Cloudy	Moderate	7:05	4.2	Surface	1.0	1	29.0	8.0	22.6	5.7	83.9	3.6	4.3	5.7	4.2	5.5										
							2	29.0	8.0	22.6	5.7	83.9	3.6	4.4													
					Bottom	3.2	1	28.8	8.0	23.2	5.6	81.8	4.7	6.8													
							2	28.8	8.0	23.3	5.5	81.7	4.7	6.6													
					TCE-WQM4	Cloudy	Moderate	7:16	3.7	Surface	1.0	1	28.9	8.0				23.4	6.1	90.2	4.3	5.3	6.1	4.1	6.3		
											2	28.9	8.0	23.4				6.1	90.4	4.3	5.5						
Bottom	2.7	1	28.7	8.0	23.4					6.2	91.8	3.9	7.4														
		2	28.7	8.0	23.4					6.3	92.0	3.8	7.0														

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged							
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)					
04-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:36	7.5	Surface	1.0	1	28.6	8.0	24.6	5.6	83.5	2.4	2.1	5.3	4.1	3.0					
									2	28.6	8.0	24.6	5.6	83.4	2.5	2.3								
							Middle	3.8	1	27.4	8.0	26.9	5.1	74.2	4.4	2.9								
									2	27.2	8.0	27.0	5.1	74.0	4.3	2.7								
				Bottom	6.5	1	26.6	8.0	30.0	4.6	67.4	5.5	4.0	4.6										
						2	26.6	8.0	30.0	4.6	67.9	5.7	3.8											
		TCE-C2	Cloudy	Calm	14:21	11.6	Surface	1.0	1	28.5	8.0	25.9	5.7				85.0	3.2	4.6	5.5	4.3	3.6		
								2	28.4	8.0	26.0	5.7	84.8				3.3	4.3						
		Middle					5.8	1	27.9	8.0	26.7	5.2	76.9	4.1	3.5									
								2	27.9	8.0	26.7	5.2	76.8	4.3	3.6									
				Bottom	10.6	1	27.1	8.0	28.4	5.0	73.4	5.4	2.6	5.0										
						2	27.1	8.0	28.4	5.0	73.6	5.5	2.9											
		TCE-WQM1	Cloudy	Moderate	13:15	8.0	Surface	1.0	1	29.0	8.0	25.0	5.6				83.0	4.9	8.8	5.4	6.7	7.4		
								2	28.9	8.0	25.0	5.5	82.6				5.0	8.5						
		Middle					4.0	1	28.7	8.0	25.3	5.3	79.4	6.9	7.3									
								2	28.7	8.0	25.3	5.3	79.0	6.8	6.9									
				Bottom	7.0	1	28.6	8.0	25.5	5.3	78.3	8.1	6.2	5.3										
						2	28.6	8.0	25.5	5.3	78.3	8.1	6.5											
		TCE-WQM2a	Cloudy	Moderate	13:50	6.6	Surface	1.0	1	28.4	8.0	25.9	5.7				85.3	4.2	7.5	5.5	3.8	6.1		
								2	28.4	8.0	25.9	5.7	85.3				4.2	7.2						
		Middle					3.3	1	28.1	8.0	26.5	5.4	79.3	3.9	6.2									
								2	28.0	8.0	26.6	5.4	79.3	3.8	5.9									
				Bottom	5.6	1	28.0	8.0	26.7	5.4	80.0	3.5	5.0	5.4										
						2	28.0	8.0	26.7	5.4	80.3	3.5	4.6											
		TCE-WQM2b	Cloudy	Moderate	14:01	10.3	Surface	1.0	1	29.1	8.0	24.5	5.9				87.2	2.2	2.4	5.5	4.0	3.7		
								2	29.1	8.0	24.6	5.8	87.1				2.4	2.8						
		Middle					5.2	1	28.3	8.0	25.9	5.2	76.7	4.3	3.8									
								2	28.2	8.0	25.9	5.2	76.5	4.2	4.0									
				Bottom	9.3	1	28.2	8.0	26.1	5.2	76.8	5.4	4.8	5.2										
						2	28.2	8.0	26.1	5.2	77.2	5.5	4.6											
		TCE-WQM3A	Cloudy	Calm	13:39	3.2	Surface	1.0	1	29.2	8.0	24.0	5.9				87.8	7.1	8.6	5.9	7.1	8.8		
								2	29.2	8.0	24.0	5.9	87.4				7.2	8.2						
		Bottom					2.2	1	29.2	8.0	24.0	5.8	86.0	7.0	9.0									
								2	29.3	8.1	24.0	5.8	86.6	7.1	9.4									
		TCE-WQM4	Cloudy	Calm	13:28	3.1	Surface	1.0	1	29.0	8.0	24.7	5.7	84.3	6.0	7.6	5.7	6.0	7.8					
								2	29.0	8.0	24.7	5.7	84.4	6.0	7.7									
		Bottom					2.1	1	29.0	8.0	24.7	5.7	84.6	6.1	8.0									
								2	29.0	8.0	24.7	5.7	84.7	6.1	7.8									
		04-09-20	Mid-Flood	TCE-C1	Sunny	Moderate	9:25	7.8	Surface	1.0	1	28.4	8.0	24.8	5.5	81.7	2.8	5.5	5.2	5.1	4.2			
											2	28.4	8.0	24.8	5.5	81.3	2.8	5.7						
									Middle	3.9	1	27.3	8.0	27.8	4.9	71.4	5.4	3.6						
											2	27.2	8.0	27.8	4.9	71.4	5.7	3.9						
						Bottom	6.8	1	26.4	8.0	30.3	4.4	64.0	7.0	3.0	4.4								
								2	26.4	8.0	30.3	4.4	64.3	7.0	3.3									
				TCE-C2	Fine	Calm	6:08	12.0	Surface	1.0	1	27.7	7.9	26.8	5.0				73.1	2.6	3.2	4.7	4.3	4.3
										2	27.7	7.9	26.9	4.9	72.8				2.9	3.6				
				Middle					6.0	1	25.9	7.9	30.5	4.5	65.1	4.7	4.4							
										2	25.9	7.9	30.5	4.5	65.1	4.8	4.2							
				Bottom	11.0	1	25.6	7.8	30.9	4.6	66.3	5.4	5.5	4.6										
						2	25.6	7.8	30.9	4.6	66.4	5.5	5.0											
TCE-WQM1	Sunny			Moderate	7:21	8.2	Surface	1.0	1	29.0	8.0	24.6	5.6				83.1	7.3	10.9	5.6	7.7	8.3		
								2	29.0	8.0	24.6	5.6	83.1				7.4	10.6						
Middle							4.1	1	29.0	8.0	24.6	5.6	83.1	7.7	9.0									
								2	29.0	8.0	24.6	5.6	83.1	7.7	8.6									
				Bottom	7.2	1	29.0	8.0	24.6	5.6	83.9	8.1	5.4	5.6										
						2	29.0	8.0	24.6	5.6	84.0	8.2	5.1											
TCE-WQM2a	Sunny			Moderate	6:43	6.8	Surface	1.0	1	28.8	8.0	24.6	5.7				84.0	2.5	4.1	5.3	3.8	3.3		
								2	28.8	8.0	24.6	5.7	84.0				2.5	3.9						
Middle							3.4	1	28.3	8.0	25.4	5.0	73.9	4.0	3.4									
								2	28.3	8.0	25.5	5.0	73.7	4.0	3.1									
				Bottom	5.8	1	27.7	8.0	26.9	4.9	72.7	5.1	2.6	4.9										
						2	27.7	8.0	26.9	5.0	73.3	5.0	2.4											
TCE-WQM2b	Fine			Moderate	6:31	10.8	Surface	1.0	1	28.3	8.0	25.5	5.2				76.2	3.0	3.3	5.0	4.3	3.8		
								2	28.3	8.0	25.5	5.1	76.0				3.1	3.0						
Middle							5.4	1	27.8	8.0	26.8	4.9	72.6	4.2	3.6									
								2	27.7	8.0	26.8	4.9	72.4	4.2	3.7									
				Bottom	9.8	1	27.0	8.0	28.4	4.8	70.7	5.7	4.5	4.8										
						2	27.0	8.0	28.4	4.8	70.9	5.9	4.8											
TCE-WQM3A	Sunny			Calm	6:58	3.4	Surface	1.0	1	28.9	8.0	24.1	5.6				83.3	3.0	6.3	5.6	3.0	5.4		
								2	28.9	8.0	24.1	5.6	83.4				3.0	6.7						
Bottom							2.4	1	28.9	8.0	24.1	5.6	83.7	3.0	4.1									
								2	28.9	8.0	24.1	5.7	83.8	2.9	4.4									
TCE-WQM4	Sunny			Calm	7:09	3.3	Surface	1.0	1	28.9	8.0	24.9	5.8	86.6	3.6	3.3	5.8	4.3	5.1					
								2	28.9	8.0	24.9	5.8	86.6	3.7	3.6									
Bottom							2.3	1	28.9	8.0	25.0	5.8	86.4	4.8	6.9									
								2	28.9	8.0	25.0	5.8	86.5	4.9	6.5									

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)					
09-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:11	7.5	Surface	1.0	1	27.8	7.8	25.2	5.6	82.4	4.0	2.7	5.3	4.8	3.6					
									2	27.8	7.8	25.4	5.6	82.2	4.1	2.4								
							Middle	3.8	1	27.4	7.8	26.7	5.0	73.0	4.5	4.0								
									2	27.4	7.8	26.6	5.0	73.0	4.5	3.7								
				Bottom	6.5	1	26.8	7.7	29.0	4.4	64.1	5.8	4.1	4.4										
						2	26.9	7.7	28.9	4.4	64.4	6.0	4.5											
		TCE-C2	Cloudy	Calm	17:03	11.1	Surface	1.0	1	27.0	7.7	28.1	5.0				73.7	2.1	2.2	4.8	3.0	3.3		
									2	26.9	7.7	28.3	5.0				73.6	2.0	2.4					
							Middle	5.6	1	26.2	7.7	30.0	4.6	66.7	2.5	3.4								
									2	26.1	7.7	30.0	4.6	66.7	2.7	3.1								
				Bottom	10.1	1	26.1	7.6	30.2	4.6	67.8	4.4	4.3	4.6										
						2	26.1	7.6	30.2	4.7	68.1	4.5	4.5											
		TCE-WQM1	Cloudy	Moderate	15:48	7.9	Surface	1.0	1	28.1	7.7	25.5	5.2				76.4	5.5	5.4	5.2	6.1	5.8		
									2	28.1	7.7	25.5	5.2				76.2	5.6	5.6					
							Middle	4.0	1	28.0	7.7	25.6	5.1	75.5	5.8	5.8								
									2	28.0	7.6	25.6	5.1	75.5	6.0	5.5								
				Bottom	6.9	1	27.9	7.6	25.7	5.2	76.4	6.8	6.2	5.2										
						2	27.9	7.6	25.7	5.2	76.9	6.9	6.4											
		TCE-WQM2a	Cloudy	Moderate	16:25	6.9	Surface	1.0	1	28.0	7.7	25.7	5.7				83.8	3.1	4.1	5.5	4.9	5.3		
									2	28.0	7.7	25.7	5.7				83.8	3.1	4.5					
							Middle	3.5	1	27.8	7.7	26.2	5.3	77.6	5.7	5.0								
									2	27.8	7.7	26.2	5.3	77.5	5.8	5.4								
				Bottom	5.9	1	27.5	7.6	26.8	5.1	75.4	5.9	6.2	5.1										
						2	27.5	7.6	26.7	5.1	75.6	5.8	6.5											
		TCE-WQM2b	Cloudy	Moderate	16:37	10.0	Surface	1.0	1	28.0	7.7	26.0	5.6				82.3	2.0	2.3	5.2	4.9	2.5		
									2	27.9	7.7	26.2	5.6				82.0	2.5	2.1					
							Middle	5.0	1	27.2	7.7	27.7	4.9	71.9	5.6	2.2								
									2	27.2	7.7	27.7	4.9	71.5	5.6	2.4								
				Bottom	9.0	1	26.5	7.7	29.3	4.7	68.3	6.7	3.0	4.7										
						2	26.5	7.7	29.3	4.7	68.5	6.8	2.7											
		TCE-WQM3A	Cloudy	Calm	16:14	3.3	Surface	1.0	1	28.3	7.7	25.7	5.8				86.2	3.2	5.6	5.8	3.6	4.8		
									2	28.3	7.7	25.7	5.8				85.8	3.2	5.2					
							Bottom	2.3	1	28.2	7.7	25.8	5.7	84.8	4.0	4.2								
									2	28.2	7.7	25.8	5.7	84.5	4.0	4.1								
		TCE-WQM4	Cloudy	Calm	16:04	3.0	Surface	1.0	1	28.1	7.7	25.9	5.6	82.6	4.8	5.1	5.6	4.9	4.6					
									2	28.0	7.7	25.9	5.6	82.9	4.8	4.9								
							Bottom	2.0	1	28.0	7.5	26.0	5.7	84.5	5.0	4.2								
									2	28.0	7.5	26.0	5.7	84.5	5.0	4.2								
		09-09-20	Mid-Flood	TCE-C1	Cloudy	Moderate	12:07	7.5	Surface	1.0	1	27.7	7.7	25.6	5.7	83.0	4.3	3.0	5.4	5.2	2.7			
											2	27.7	7.7	25.8	5.6	82.4	4.4	3.2						
									Middle	3.8	1	27.4	7.7	26.6	5.1	74.4	5.0	2.7						
											2	27.4	7.7	26.6	5.1	74.2	5.0	2.7						
						Bottom	6.5	1	26.7	7.6	28.8	4.5	65.3	6.1	2.1	4.5								
								2	26.8	7.5	28.7	4.5	65.9	6.1	2.2									
				TCE-C2	Sunny	Calm	10:12	11.4	Surface	1.0	1	27.8	7.7	25.9	5.4				79.1	2.3	3.2	5.3	2.4	3.6
											2	27.8	7.7	26.0	5.4				79.0	2.2	2.9			
									Middle	5.7	1	27.6	7.7	26.4	5.3	77.9	2.0	3.2						
											2	27.6	7.7	26.4	5.3	77.8	2.0	3.5						
				Bottom	10.4	1	26.9	7.7	28.4	4.8	70.1	3.1	4.4	4.8										
						2	26.9	7.7	28.4	4.8	70.1	3.1	4.2											
TCE-WQM1	Cloudy			Moderate	11:25	8.0	Surface	1.0	1	28.3	7.7	25.1	5.6				82.5	3.0	2.4	5.4	4.5	3.4		
									2	28.3	7.7	25.1	5.6				82.4	3.0	2.3					
							Middle	4.0	1	28.0	7.7	25.8	5.2	77.2	4.7	3.2								
									2	28.0	7.7	25.8	5.2	77.0	4.9	3.5								
				Bottom	7.0	1	27.9	7.6	26.0	5.2	77.2	5.6	4.3	5.3										
						2	27.9	7.6	26.0	5.3	78.0	5.7	4.7											
TCE-WQM2a	Sunny			Moderate	10:48	7.1	Surface	1.0	1	27.9	7.7	25.8	5.4				79.8	9.0	1.7	5.3	9.6	2.8		
									2	27.9	7.7	25.8	5.4				79.8	9.0	1.8					
							Middle	3.6	1	27.8	7.7	26.1	5.2	76.6	9.5	2.9								
									2	27.7	7.7	26.2	5.2	76.5	9.6	2.8								
				Bottom	6.1	1	27.7	7.7	26.3	5.2	76.6	10.2	4.0	5.2										
						2	27.7	7.7	26.3	5.2	76.8	10.3	3.6											
TCE-WQM2b	Sunny			Moderate	10:34	10.2	Surface	1.0	1	27.8	7.7	25.9	5.2				76.1	3.1	3.0	5.0	4.3	3.4		
									2	27.8	7.7	26.0	5.2				75.7	3.3	3.4					
							Middle	5.1	1	27.4	7.7	26.9	4.9	72.1	4.3	3.2								
									2	27.4	7.7	27.0	4.9	71.6	4.3	3.5								
				Bottom	9.2	1	27.3	7.6	27.5	4.8	70.7	5.4	3.7	4.8										
						2	27.2	7.6	27.5	4.8	70.9	5.3	3.5											
TCE-WQM3A	Sunny			Calm	11:03	3.3	Surface	1.0	1	28.0	7.7	25.8	5.4				80.2	3.2	2.5	5.4	3.5	3.8		
									2	28.0	7.7	25.8	5.4				80.0	3.4	2.8					
							Bottom	2.3	1	28.0	7.6	25.9	5.4	80.2	3.6	4.7								
									2	28.0	7.6	25.9	5.5	80.6	3.7	5.1								
TCE-WQM4	Sunny			Calm	11:14	3.2	Surface	1.0	1	27.9	7.6	26.0	5.5	81.4	8.4	7.0	5.5	8.8	6.7					
									2	27.9	7.6	26.0	5.5	81.5	8.5	7.1								
							Bottom	2.2	1	27.9	7.6	26.0	5.6	82.8	9.1	6.1								
									2	27.9	7.6	26.0	5.6	83.0	9.3	6.4								

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)								
11-09-20	Mid-Ebb	TCE-C1	Fine	Moderate	8:28	7.5	Surface	1.0	1	30.0	8.3	15.9	7.6	109.2	4.1	2.4	5.7	5.4	3.2								
									2	30.0	8.3	16.3	7.5	108.0	4.7	2.6											
							Middle	3.8	1	27.3	8.0	29.2	3.8	56.4	5.1	3.1											
									2	27.3	8.0	29.2	3.8	56.7	5.2	2.9											
							Bottom	6.5	1	27.0	8.1	30.7	3.7	54.4	6.4	4.3											
									2	27.0	8.1	30.7	3.7	54.6	6.5	4.0											
		TCE-C2	Fine	Calm	5:41	11.6	Surface	1.0	1	28.9	7.9	24.1	5.4	79.6	2.6	1.8	4.8	3.0	1.5								
									2	28.9	7.9	24.1	5.3	78.9	2.6	1.6											
							Middle	5.8	1	26.8	8.0	30.6	4.2	62.2	2.9	1.4											
									2	26.8	8.0	30.7	4.2	62.1	3.0	1.5											
							Bottom	10.6	1	26.5	8.0	31.4	4.2	61.8	3.7	1.3											
									2	26.5	8.0	31.4	4.2	62.0	3.5	1.2											
		TCE-WQM1	Fine	Moderate	6:52	8.2	Surface	1.0	1	29.7	7.9	23.2	5.5	82.5	3.4	4.4	5.0	5.0	3.8								
									2	29.7	7.9	23.2	5.5	82.3	3.4	4.0											
							Middle	4.1	1	28.7	7.9	25.6	4.5	66.3	5.2	3.7											
									2	28.7	7.9	25.6	4.4	66.2	5.2	3.9											
							Bottom	7.2	1	28.4	7.9	26.7	4.2	63.1	6.2	3.3											
									2	28.4	7.9	26.7	4.3	63.8	6.3	3.4											
		TCE-WQM2a	Fine	Moderate	6:16	7.0	Surface	1.0	1	29.2	8.0	21.3	6.2	90.3	4.6	4.6	5.5	5.5	3.4								
									2	29.2	8.0	21.3	6.2	90.3	4.6	4.4											
							Middle	3.5	1	28.5	7.9	24.5	4.9	72.6	5.4	3.2											
									2	28.4	7.9	24.6	4.9	72.4	5.5	3.0											
							Bottom	6.0	1	28.2	7.9	26.8	4.6	68.0	6.3	2.7											
									2	28.4	7.9	26.7	4.6	68.5	6.6	2.5											
		TCE-WQM2b	Fine	Moderate	6:05	10.8	Surface	1.0	1	28.8	7.9	23.3	5.2	77.1	3.8	1.6	4.7	4.2	1.9								
									2	28.6	7.9	23.3	5.3	77.0	3.6	1.8											
							Middle	5.4	1	27.5	7.9	28.7	4.3	63.1	4.0	1.7											
									2	27.4	7.9	28.9	4.3	63.2	4.1	1.8											
							Bottom	9.8	1	27.3	7.9	29.5	4.3	64.4	4.9	2.4											
									2	27.3	7.9	29.5	4.4	64.9	5.1	2.2											
		TCE-WQM3A	Fine	Calm	6:28	3.3	Surface	1.0	1	29.9	8.0	19.8	6.7	98.6	3.3	3.3	6.7	3.6	2.8								
									2	29.9	8.0	19.8	6.7	98.8	3.4	2.9											
							Bottom	2.3	1	29.8	8.0	20.2	6.5	96.2	3.8	2.6											
									2	29.8	8.0	20.2	6.5	96.3	3.9	2.4											
							TCE-WQM4	Fine	Calm	6:38	3.4	Surface	1.0	1	29.2	8.0				23.6	5.5	81.5	5.4	4.8	5.5	6.0	5.9
													2	29.2	8.0	23.7				5.5	81.5	5.7	5.1				
		Bottom	2.4	1	29.3	8.0	24.0					5.6	82.8	6.7	7.1												
				2	29.3	8.0	23.9					5.6	83.2	6.4	6.7												
		TCE-C1	Fine	Moderate	17:58	7.5	Surface					1.0	1	29.9	8.3	16.1	7.8	112.9	3.4	2.4	5.8	5.1	2.7				
												2	29.9	8.3	16.0	7.8	112.2	3.5	2.1								
		Middle					3.8	1	27.3	8.0	28.5	3.9	57.2	5.1	2.9												
								2	27.2	8.1	28.7	3.9	56.9	5.1	2.7												
		Bottom					6.5	1	27.0	8.1	30.7	3.8	57.0	6.6	3.0												
								2	27.0	8.1	30.7	3.9	57.3	6.9	3.2												
		TCE-C2	Fine	Calm	19:55	11.1	Surface	1.0	1	29.1	8.0	22.8	5.9	86.5	1.3	1.7	5.5	2.2	2.5								
									2	29.1	8.0	22.8	5.9	86.6	1.3	1.9											
							Middle	5.6	1	28.4	8.0	25.6	5.1	75.7	1.6	2.5											
									2	28.4	8.0	25.6	5.1	75.3	1.8	2.7											
Bottom	10.1						1	26.7	8.0	30.6	4.3	64.2	3.5	3.1													
							2	26.7	8.0	30.6	4.4	64.6	3.5	2.8													
TCE-WQM1	Fine	Moderate	18:39	8.0	Surface	1.0	1	29.5	8.0	23.2	5.6	83.9	7.7	6.0	5.3	8.5	4.6										
							2	29.4	8.0	23.4	5.6	83.5	7.4	5.9													
					Middle	4.0	1	29.1	7.9	24.3	5.0	74.9	8.1	4.6													
							2	29.0	7.9	24.5	5.0	74.7	8.2	4.8													
					Bottom	7.0	1	28.7	7.9	25.4	4.4	66.0	9.7	3.3													
							2	28.7	7.9	25.4	4.5	66.4	9.8	3.1													
TCE-WQM2a	Fine	Moderate	19:17	6.5	Surface	1.0	1	29.1	8.0	22.2	5.8	85.5	5.0	4.6	5.5	6.2	5.5										
							2	29.1	8.0	22.2	5.8	85.5	5.0	5.0													
					Middle	3.3	1	28.6	7.9	23.5	5.3	77.7	5.9	5.4													
							2	28.4	7.9	23.5	5.3	77.3	6.0	5.6													
					Bottom	5.5	1	27.7	7.9	27.9	4.4	64.8	7.7	6.3													
							2	27.7	7.9	27.9	4.4	65.1	7.8	6.1													
TCE-WQM2b	Fine	Moderate	19:29	10.2	Surface	1.0	1	29.9	8.1	18.7	7.1	103.8	1.9	1.6	6.1	4.0	2.3										
							2	29.8	8.1	18.7	7.1	103.7	1.9	1.5													
					Middle	5.1	1	28.5	7.9	24.5	5.1	74.6	3.2	2.2													
							2	28.3	7.9	24.6	5.1	74.3	3.6	2.4													
					Bottom	9.2	1	27.3	7.9	29.3	4.4	65.2	6.6	3.1													
							2	27.3	7.9	29.3	4.4	65.7	6.5	2.8													
TCE-WQM3A	Fine	Calm	19:04	3.3	Surface	1.0	1	29.4	8.0	21.7	6.1	90.2	4.9	2.9	6.1	5.7	2.8										
							2	29.4	8.0	21.9	6.1	89.7	5.2	3.1													
					Bottom	2.3	1	29.3	8.0	22.3	5.8	85.9	6.3	2.7													
							2	29.3	8.0	22.3	5.9	86.4	6.3	2.5													
					TCE-WQM4	Fine	Calm	18:52	3.2	Surface	1.0	1	29.4	8.0				23.4	5.7	84.7	9.9	7.2	5.7	10.7	7.7		
											2	29.4	8.0	23.4				5.7	84.5	9.9	7.6						
Bottom	2.2	1	29.4	8.0	23.6					5.7	84.6	11.5	7.8														
		2	29.4	8.0	23.6					5.7	85.0	11.4	8.0														

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
14-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	8:50	8.6	Surface	1.0	1	28.5	8.3	26.6	6.7	100.2	1.5	2.2	6.3	2.7	2.9		
									2	28.5	8.3	26.6	6.7	100.0	1.5	2.4					
							Middle	4.3	1	28.3	8.3	28.1	5.9	88.8	2.1	2.8					
									2	28.3	8.3	28.2	6.0	89.6	2.2	2.9					
							Bottom	7.6	1	27.4	8.1	30.1	4.3	64.1	4.4	3.6					
									2	27.4	8.2	30.1	4.3	64.0	4.3	3.2					
		TCE-C2	Cloudy	Moderate	10:42	12.9	Surface	1.0	1	28.4	8.1	26.3	6.0	88.6	2.0	2.4	5.4	3.7	3.1		
									2	28.4	8.1	26.3	6.0	88.5	2.0	2.7					
							Middle	6.5	1	27.9	8.1	27.8	4.8	71.5	3.4	3.1					
									2	27.8	8.1	27.8	4.8	71.3	3.6	3.2					
							Bottom	11.9	1	27.1	8.0	30.7	4.3	64.2	5.8	3.8					
									2	27.2	8.0	30.6	4.3	64.9	5.6	3.6					
		TCE-WQM1	Cloudy	Calm	9:32	8.1	Surface	1.0	1	29.3	8.2	24.6	6.9	103.2	3.3	6.7	5.4	5.9	5.6		
									2	29.3	8.2	24.7	6.9	103.1	3.3	7.0					
							Middle	4.1	1	27.8	8.1	28.9	3.9	58.5	6.1	5.3					
									2	27.7	8.1	28.9	3.9	58.4	6.3	5.5					
							Bottom	7.1	1	27.6	8.1	29.3	4.0	59.4	8.1	4.4					
									2	27.6	8.1	29.3	4.0	59.6	8.0	4.7					
		TCE-WQM2a	Cloudy	Moderate	10:07	7.8	Surface	1.0	1	28.8	8.2	26.1	5.9	88.6	4.5	4.5	5.2	3.4	5.6		
									2	28.8	8.2	26.1	5.9	88.6	4.5	4.9					
							Middle	3.9	1	27.7	8.0	28.0	4.5	67.3	3.1	5.8					
									2	27.6	8.0	28.1	4.5	66.9	3.0	5.5					
							Bottom	6.8	1	27.1	8.0	30.4	4.5	67.5	2.8	6.2					
									2	27.2	8.0	30.1	4.6	68.1	2.8	6.6					
		TCE-WQM2b	Cloudy	Moderate	10:19	11.2	Surface	1.0	1	28.5	8.1	26.4	5.3	79.0	2.0	2.9	5.0	4.1	4.1		
									2	28.5	8.1	26.4	5.3	78.9	2.0	2.4					
							Middle	5.6	1	28.1	8.0	27.5	4.7	69.9	4.1	4.2					
									2	28.0	8.0	27.6	4.7	69.7	4.5	4.2					
							Bottom	10.2	1	27.9	8.0	28.1	4.8	71.6	6.2	5.4					
									2	27.9	8.0	28.1	4.9	72.5	6.1	5.1					
		TCE-WQM3A	Cloudy	Calm	9:55	4.2	Surface	1.0	1	28.2	8.0	26.8	4.4	65.7	8.1	9.6	4.4	10.3	14.6		
									2	28.2	8.0	26.8	4.4	65.8	8.2	9.7					
							Bottom	3.2	1	27.8	8.0	28.1	4.2	63.1	12.5	19.6					
									2	27.9	8.0	28.1	4.3	63.5	12.5	19.3					
									1	29.5	8.4	23.3	9.0	133.8	3.4	6.5					
									2	29.5	8.4	23.3	8.9	133.4	3.4	6.6					
		TCE-WQM4	Cloudy	Calm	9:44	3.8	Surface	1.0	1	28.5	8.0	26.9	4.2	63.4	3.6	7.4	4.3	3.5	7.1		
									2	28.5	8.0	26.9	4.3	64.4	3.6	7.8					
									1	28.6	8.3	27.2	6.4	96.4	2.1	6.7					
									2	28.6	8.3	27.2	6.4	96.2	2.0	7.0					
							Middle	3.9	1	27.6	8.2	29.8	4.6	69.4	2.5	6.1					
									2	27.6	8.2	29.8	4.6	69.3	2.6	5.9					
		14-09-20	Mid-Flood	TCE-C1	Cloudy	Moderate	3:37	7.7	Surface	1.0	1	28.6	8.3	27.2	6.4	96.4	2.1	6.7	5.5	2.9	5.8
											2	28.6	8.3	27.2	6.4	96.2	2.0	7.0			
									Middle	3.9	1	27.6	8.2	29.8	4.6	69.4	2.5	6.1			
											2	27.6	8.2	29.8	4.6	69.3	2.6	5.9			
									Bottom	6.7	1	27.4	8.2	30.2	4.6	68.2	4.1	4.9			
											2	27.4	8.2	30.2	4.6	68.5	4.1	4.1			
TCE-C2	Cloudy			Moderate	1:44	12.6	Surface	1.0	1	28.2	8.1	26.1	5.6	82.6	1.5	4.6	5.0	2.3	3.6		
									2	28.1	8.1	26.2	5.6	82.6	1.6	4.9					
							Middle	6.3	1	27.3	8.0	29.7	4.5	67.3	1.9	3.9					
									2	27.2	8.0	29.8	4.5	67.3	1.9	3.6					
							Bottom	11.6	1	26.7	8.0	31.4	4.2	62.3	3.3	2.2					
									2	26.7	8.0	31.4	4.2	62.8	3.3	2.5					
TCE-WQM1	Cloudy			Calm	2:56	8.1	Surface	1.0	1	29.1	8.2	24.2	5.7	85.4	3.4	3.2	4.9	6.0	3.8		
									2	29.1	8.2	24.1	6.0	89.8	3.3	3.0					
							Middle	4.1	1	27.9	8.0	28.5	4.0	59.8	6.6	3.8					
									2	27.9	8.0	28.6	4.0	59.8	6.9	3.5					
							Bottom	7.1	1	27.8	8.0	28.8	4.1	61.4	8.0	4.9					
									2	27.8	8.0	28.8	4.2	62.3	7.9	4.6					
TCE-WQM2a	Cloudy			Moderate	2:22	7.8	Surface	1.0	1	28.2	8.0	26.7	4.8	71.5	2.8	3.5	4.6	4.2	3.8		
									2	28.2	8.0	26.7	4.8	71.5	2.8	3.3					
							Middle	3.9	1	27.4	8.0	29.0	4.4	66.1	3.3	3.8					
									2	27.3	8.0	29.2	4.4	66.0	3.8	3.6					
							Bottom	6.8	1	26.9	8.0	30.6	4.1	61.1	6.3	4.5					
									2	26.9	8.0	30.6	4.1	61.5	6.1	4.1					
TCE-WQM2b	Cloudy			Moderate	2:10	11.0	Surface	1.0	1	28.2	8.1	26.3	5.1	75.3	2.6	5.5	4.8	3.9	4.3		
									2	28.2	8.1	26.3	5.1	75.1	2.5	5.3					
							Middle	5.5	1	27.3	8.1	29.5	4.5	66.8	3.3	4.4					
									2	27.2	8.1	29.5	4.5	67.0	3.6	4.1					
							Bottom	10.0	1	26.6	8.1	31.6	4.0	59.2	5.6	3.4					
									2	26.6	8.2	31.6	4.0	59.5	5.5	3.1					
TCE-WQM3A	Cloudy			Calm	2:34	4.5	Surface	1.0	1	28.2	8.0	26.7	4.6	68.5	3.4	5.3	4.6	3.4	6.0		
									2	28.2	8.0	26.8	4.6	68.7	3.4	5.0					
							Bottom	3.5	1	28.0	8.0	27.2	4.8	70.6	3.4	6.7					
									2	28.0	8.0	27.3	4.8	70.9	3.3	6.8					
									1	29.0	8.1	25.1	5.6	82.9	3.9	3.8					
									2	28.9	8.1	25.2	5.6	82.9	3.8	3.8					
TCE-WQM4	Cloudy			Calm	2:44	3.6	Surface	1.0	1	28.8	8.1	25.3	5.6	84.1	3.7	3.2	5.6	3.7	3.6		
									2	28.8	8.1	25.3	5.6	84.1	3.7	3.2					
							Bottom	2.6	1	28.8	8.1	25.3	5.6	84.1	3.7	3.2					
									2	28.8	8.1	25.3	5.7	84.6	3.6	3.5					
									1	29.0	8.1	25.1	5.6	82.9	3.9	3.8					
									2	28.9	8.1	25.2	5.6	82.9	3.8	3.8					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged							
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)					
16-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:26	8.5	Surface	1.0	1	28.3	8.2	27.3	5.5	82.2	2.4	1.9	5.1	8.5	2.5					
									2	28.3	8.2	27.4	5.5	82.0	2.9	1.8								
							Middle	4.3	1	27.8	8.2	28.7	4.7	70.6	9.9	2.4								
									2	27.8	8.2	28.8	4.7	70.5	10.5	2.7								
				Bottom	7.5	1	27.8	8.2	28.9	4.8	71.4	12.8	3.3	4.8										
						2	27.8	8.2	28.9	4.8	72.0	12.3	3.1											
		TCE-C2	Cloudy	Moderate	12:29	12.3	Surface	1.0	1	28.5	8.1	26.6	5.6				83.3	3.6	3.7	5.4	7.0	4.5		
									2	28.5	8.1	26.7	5.6				83.2	3.9	4.1					
							Middle	6.2	1	28.2	8.1	27.2	5.3	78.2	6.7	4.5								
									2	28.2	8.1	27.2	5.3	78.3	7.0	4.4								
				Bottom	11.3	1	28.2	8.1	27.4	5.4	79.9	10.6	5.2	5.4										
						2	28.2	8.1	27.4	5.4	80.1	10.0	5.0											
		TCE-WQM1	Cloudy	Moderate	11:11	8.4	Surface	1.0	1	28.3	8.2	26.0	5.3				79.2	5.4	3.2	5.3	7.9	4.2		
									2	28.3	8.2	26.1	5.3				79.1	5.7	3.4					
							Middle	4.2	1	28.3	8.2	26.1	5.3	79.2	8.1	4.3								
									2	28.3	8.2	26.1	5.3	79.2	8.4	4.4								
				Bottom	7.4	1	28.4	8.2	26.1	5.4	79.7	10.0	4.7	5.4										
						2	28.4	8.2	26.1	5.4	80.0	9.9	5.1											
		TCE-WQM2a	Cloudy	Moderate	11:52	7.8	Surface	1.0	1	28.2	8.1	27.0	5.4				80.4	4.4	3.2	5.1	8.9	4.6		
									2	28.2	8.1	27.0	5.4				80.4	4.4	3.6					
							Middle	3.9	1	27.9	8.1	27.8	4.8	72.0	8.6	4.0								
									2	27.8	8.1	27.9	4.8	71.8	9.1	4.2								
				Bottom	6.8	1	27.8	8.1	28.3	4.9	72.2	13.5	6.1	4.9										
						2	27.8	8.1	28.3	4.9	72.4	13.5	6.3											
		TCE-WQM2b	Cloudy	Moderate	12:07	11.2	Surface	1.0	1	28.3	8.1	26.6	5.2				77.3	7.4	9.9	5.2	11.2	8.1		
									2	28.2	8.1	26.6	5.2				77.0	8.1	9.6					
							Middle	5.6	1	28.2	8.1	26.9	5.1	76.3	12.1	8.1								
									2	28.2	8.1	26.9	5.1	76.4	12.6	8.2								
				Bottom	10.2	1	28.2	8.1	27.0	5.2	77.4	13.0	6.0	5.2										
						2	28.2	8.1	27.0	5.2	77.6	13.8	6.5											
		TCE-WQM3A	Cloudy	Moderate	11:41	4.5	Surface	1.0	1	28.1	8.1	26.0	4.8				71.1	10.7	3.9	4.8	11.3	4.9		
									2	28.1	8.1	26.2	4.8				71.1	11.0	3.6					
							Bottom	3.5	1	28.1	8.1	26.6	4.9	72.4	11.7	6.2								
									2	28.1	8.1	26.6	4.9	72.6	11.9	6.0								
		TCE-WQM4	Cloudy	Moderate	11:30	4.2	Surface	1.0	1	28.6	8.1	26.1	5.6	83.3	4.1	10.0	5.6	4.5	10.9					
									2	28.5	8.1	26.1	5.6	83.6	4.2	9.9								
							Bottom	3.2	1	28.4	8.2	26.2	5.8	86.2	4.9	11.7								
									2	28.4	8.2	26.2	5.8	86.8	4.9	12.0								
		16-09-20	Mid-Flood	TCE-C1	Cloudy	Moderate	6:41	8.5	Surface	1.0	1	28.0	8.2	28.1	5.4	80.1	4.3	6.8	5.2	7.2	5.4			
											2	27.9	8.2	28.2	5.4	80.0	4.4	7.0						
									Middle	4.3	1	27.8	8.2	28.7	5.0	74.1	7.3	5.6						
											2	27.8	8.2	28.7	5.0	74.0	8.1	5.2						
						Bottom	7.5	1	27.8	8.2	28.9	5.1	75.5	9.3	3.6	5.1								
								2	27.8	8.2	28.9	5.1	75.8	9.5	4.0									
				TCE-C2	Cloudy	Moderate	4:25	12.3	Surface	1.0	1	27.7	8.1	28.2	4.9				72.2	3.2	5.5	4.6	7.1	5.1
											2	27.6	8.1	28.2	4.9				72.2	3.2	6.0			
									Middle	6.2	1	27.3	8.1	29.8	4.4	65.6	7.2	5.1						
											2	27.3	8.1	29.8	4.4	65.6	7.7	5.3						
				Bottom	11.3	1	27.3	8.1	29.9	4.5	66.3	10.7	4.4	4.5										
						2	27.3	8.1	29.9	4.5	66.4	10.8	4.2											
TCE-WQM1	Cloudy			Moderate	5:38	8.2	Surface	1.0	1	28.2	8.1	25.9	5.3				78.3	7.6	8.2	5.3	8.8	6.6		
									2	28.2	8.1	25.9	5.3				78.4	7.8	7.9					
							Middle	4.1	1	28.2	8.1	25.9	5.3	78.9	8.1	6.5								
									2	28.2	8.1	25.9	5.3	79.0	8.4	6.7								
				Bottom	7.2	1	28.2	8.1	26.0	5.4	80.5	10.6	5.1	5.5										
						2	28.2	8.1	26.0	5.5	81.1	10.5	5.3											
TCE-WQM2a	Cloudy			Moderate	5:02	7.6	Surface	1.0	1	28.1	8.1	26.3	5.1				75.0	4.0	3.1	4.9	5.7	4.3		
									2	28.1	8.1	26.3	5.1				75.0	4.0	3.4					
							Middle	3.8	1	28.0	8.1	26.9	4.8	71.8	6.2	4.2								
									2	27.9	8.0	27.1	4.8	71.7	6.8	4.6								
				Bottom	6.6	1	27.7	8.0	28.5	4.5	66.2	6.7	5.4	4.5										
						2	27.7	8.0	28.5	4.5	66.2	6.8	4.8											
TCE-WQM2b	Cloudy			Moderate	4:49	10.5	Surface	1.0	1	28.0	8.1	27.0	4.9				73.1	5.6	7.9	4.9	6.4	6.8		
									2	27.9	8.1	27.0	4.9				72.9	5.9	7.6					
							Middle	5.3	1	27.9	8.1	27.1	4.9	72.2	6.8	7.0								
									2	27.9	8.1	27.2	4.9	71.9	7.3	6.7								
				Bottom	9.5	1	27.6	8.1	28.8	4.8	70.7	6.5	5.9	4.8										
						2	27.6	8.1	28.8	4.8	70.9	6.7	5.7											
TCE-WQM3A	Cloudy			Moderate	5:13	4.2	Surface	1.0	1	28.1	8.1	26.1	5.3				78.9	4.3	3.5	5.4	4.6	5.3		
									2	28.1	8.1	26.1	5.4				79.6	4.5	3.9					
							Bottom	3.2	1	28.0	8.1	26.2	5.5	81.0	4.7	6.9								
									2	27.9	8.1	26.2	5.5	81.4	4.8	6.7								
TCE-WQM4	Cloudy			Moderate	5:26	3.5	Surface	1.0	1	28.1	8.1	26.5	5.5	81.7	4.4	3.9	5.5	5.2	5.0					
									2	28.1	8.1	26.5	5.5	81.8	4.4	4.2								
							Bottom	2.5	1	28.1	8.1	26.5	5.7	83.9	6.0	5.9								
									2	28.1	8.1	26.5	5.7	84.1	6.2	5.9								

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)					
18-09-20	Mid-Ebb	TCE-C1	Rainy	Moderate	11:56	9.2	Surface	1.0	1	28.6	8.2	28.5	5.7	86.4	3.3	3.6	5.6	4.6	4.2					
									2	28.6	8.2	28.5	5.7	86.3	3.3	3.2								
							Middle	4.6	1	28.6	8.2	28.7	5.6	84.2	3.8	4.3								
									2	28.6	8.2	28.7	5.6	84.0	3.9	4.2								
				Bottom	8.2	1	28.6	8.3	30.0	5.4	81.7	6.6	4.8	5.4										
						2	28.6	8.3	30.0	5.4	81.8	6.8	5.2											
		TCE-C2	Cloudy	Moderate	13:58	13.0	Surface	1.0	1	28.4	8.1	26.5	5.2				77.4	5.8	6.0	5.1	8.4	6.8		
								2	28.4	8.1	26.5	5.2	77.4				5.8	6.2						
								Middle	6.5	1	28.3	8.1	26.9	5.0	74.1	8.1	6.7							
										2	28.3	8.1	26.9	5.0	74.1	8.2	7.0							
				Bottom	12.0	1	28.3	8.1	27.0	4.9	73.3	11.2	7.5	4.9										
						2	28.3	8.1	27.0	4.9	73.3	11.1	7.3											
		TCE-WQM1	Cloudy	Calm	12:47	8.6	Surface	1.0	1	28.6	8.1	26.4	5.2				78.3	6.7	8.9	5.2	9.1	8.2		
										2	28.6	8.1	26.4				5.2	78.2	6.8				8.5	
								Middle	4.3	1	28.5	8.1	26.9	5.2	77.1	9.1	8.1							
										2	28.5	8.1	26.9	5.2	77.1	9.1	8.4							
				Bottom	7.6	1	28.5	8.1	27.3	5.2	77.5	11.5	7.8	5.2										
						2	28.5	8.1	27.3	5.2	77.6	11.4	7.7											
		TCE-WQM2a	Cloudy	Moderate	13:23	8.4	Surface	1.0	1	28.7	8.1	25.8	5.4				80.2	5.6	5.5	5.2	8.6	6.9		
										2	28.7	8.1	25.8				5.4	80.2	5.6				5.1	
								Middle	4.2	1	28.4	8.1	26.4	5.0	75.1	8.9	6.7							
										2	28.4	8.1	26.4	5.0	75.1	9.1	6.8							
				Bottom	7.4	1	28.2	8.1	27.2	4.7	70.5	11.2	9.0	4.7										
						2	28.2	8.1	27.2	4.7	70.6	11.3	8.5											
		TCE-WQM2b	Rainy	Moderate	13:35	11.5	Surface	1.0	1	28.7	8.1	25.9	5.4				80.3	4.7	6.7	5.2	7.3	6.3		
										2	28.7	8.1	25.9				5.4	80.2	4.6				7.0	
								Middle	5.8	1	28.4	8.1	26.6	5.0	73.8	7.1	6.4							
										2	28.4	8.1	26.6	5.0	73.8	7.0	6.5							
				Bottom	10.5	1	28.4	8.1	26.5	5.0	74.3	10.0	5.5	5.0										
						2	28.4	8.1	26.5	5.0	74.4	10.2	5.7											
		TCE-WQM3A	Cloudy	Calm	13:12	4.3	Surface	1.0	1	28.6	8.1	25.1	5.3				78.3	7.6	6.9	5.3	8.5	7.8		
										2	28.6	8.1	25.1				5.3	78.3	7.8				7.1	
								Bottom	3.3	1	28.5	8.1	25.8	5.3	79.0	9.3	8.8							
										2	28.5	8.1	25.8	5.3	79.0	9.3	8.5							
				TCE-WQM4	Cloudy	Calm	13:00	3.5	Surface	1.0	1	28.6	8.1	25.8	5.5	81.3	5.9	9.2	5.5	6.1	8.2			
										2	28.6	8.1	25.8	5.5	81.3	5.9	9.0							
				Bottom					2.5	1	28.6	8.1	25.8	5.4	81.2	6.3	7.3							
										2	28.6	8.1	25.8	5.5	81.2	6.4	7.1							
		18-09-20	Mid-Flood	TCE-C1	Cloudy	Moderate	7:46	9.1	Surface	1.0	1	28.5	8.2	28.8	5.5	83.3	5.2	3.1	5.4	8.2	4.2			
													2	28.5	8.2	28.9	5.5	83.1				5.7	3.5	
											Middle	4.6	1	28.6	8.3	30.2	5.4	81.8				8.4	4.4	
													2	28.6	8.3	30.2	5.4	81.8				8.5	4.1	
						Bottom	8.1	1	28.6	8.3	30.3	5.4	82.3	10.6	5.0	5.4								
								2	28.6	8.3	30.3	5.4	82.4	10.5	5.3									
				TCE-C2	Cloudy	Moderate	5:47	13.8	Surface	1.0	1	28.1	8.1	27.4	4.9				73.0	5.9	6.1	4.8	9.1	7.3
												2	28.1	8.1	27.4				4.9	72.9	5.9			
										Middle	6.9	1	27.9	8.1	28.6	4.6	69.4	9.3	7.0					
												2	27.9	8.1	28.6	4.6	69.4	9.3	7.3					
				Bottom	12.8	1	27.9	8.1	28.7	4.7	70.1	12.1	8.6	4.7										
						2	27.9	8.1	28.7	4.7	70.1	12.2	8.2											
TCE-WQM1	Cloudy			Calm	7:02	8.9	Surface	1.0	1	28.6	8.1	25.9	5.2				77.8	4.6	7.4	5.2	6.8	6.2		
										2	28.6	8.1	25.9				5.2	77.8	4.5				7.2	
								Middle	4.5	1	28.6	8.1	25.9	5.2	77.7	6.5	6.0							
										2	28.6	8.1	25.9	5.2	77.7	6.5	6.2							
				Bottom	7.9	1	28.6	8.1	25.9	5.2	78.0	9.5	4.9	5.2										
						2	28.6	8.1	25.9	5.2	78.0	9.3	5.2											
TCE-WQM2a	Cloudy			Moderate	6:25	7.6	Surface	1.0	1	28.5	8.1	26.0	5.2				76.7	8.2	8.4	5.2	10.6	8.9		
										2	28.5	8.1	26.0				5.2	76.7	8.2				8.1	
								Middle	3.8	1	28.5	8.1	26.1	5.2	76.8	10.2	8.7							
										2	28.4	8.1	26.1	5.2	76.8	10.5	9.0							
				Bottom	6.6	1	28.4	8.1	26.1	5.2	77.0	13.2	9.8	5.2										
						2	28.4	8.1	26.1	5.2	77.0	13.1	9.4											
TCE-WQM2b	Cloudy			Moderate	6:12	11.7	Surface	1.0	1	28.3	8.1	26.4	5.2				77.2	5.7	5.0	5.1	8.6	4.1		
										2	28.3	8.1	26.5				5.2	76.9	5.8				4.6	
								Middle	5.9	1	28.3	8.1	26.9	5.0	74.6	8.6	4.1							
										2	28.3	8.1	26.9	5.0	74.5	8.6	4.0							
				Bottom	10.7	1	28.1	8.1	27.9	4.8	72.0	11.4	3.4	4.8										
						2	28.1	8.1	27.9	4.8	72.1	11.3	3.3											
TCE-WQM3A	Cloudy			Calm	6:37	4.5	Surface	1.0	1	28.4	8.1	25.8	5.4				80.3	4.6	5.0	5.4	5.2	5.4		
										2	28.4	8.1	25.8				5.4	80.3	4.6				5.2	
								Bottom	3.5	1	28.4	8.1	25.9	5.4	79.7	5.8	5.7							
										2	28.4	8.1	25.9	5.4	79.6	5.8	5.5							
				TCE-WQM4	Cloudy	Calm	6:49	4.0	Surface	1.0	1	28.6	8.1	25.9	5.5	81.3	6.3	8.0	5.5	6.3	7.3			
										2	28.6	8.1	25.9	5.5	81.3	6.2	8.3							
				Bottom					3.0	1	28.5	8.1	26.0	5.5	81.1	6.3	6.4							
										2	28.5	8.1	26.0	5.5	81.1	6.3	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)										
21-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	14:05	8.1	Surface	1.0	1	29.5	8.1	22.8	5.5	80.9	3.9	3.9	5.4	8.2	4.5										
									2	29.4	8.1	22.8	5.5	80.9	4.0	3.8													
							Middle	4.1	1	28.9	8.2	28.0	5.3	79.6	8.9	4.6													
									2	28.9	8.2	28.0	5.3	79.6	9.3	4.2													
							Bottom	7.1	1	28.9	8.2	28.4	5.2	79.6	11.6	5.3													
									2	28.9	8.2	28.4	5.2	79.6	11.4	4.9													
		TCE-C2	Rainy	Rough	16:20	12.8	Surface	1.0	1	29.1	8.0	25.4	5.0	74.6	7.1	6.0	4.9	10.2	6.7										
									2	29.1	8.0	25.4	5.0	74.4	7.3	6.2													
							Middle	6.4	1	28.9	8.0	26.2	4.8	71.8	9.2	6.8													
									2	28.9	8.0	26.3	4.8	71.7	9.1	6.6													
							Bottom	11.8	1	28.7	8.0	27.2	4.8	72.1	14.5	7.1													
									2	28.7	8.0	27.1	4.8	72.3	14.2	7.5													
		TCE-WQM1	Cloudy	Calm	15:05	8.2	Surface	1.0	1	29.4	8.0	24.0	5.3	79.8	6.6	6.9	5.3	7.6	7.4										
									2	29.4	8.0	24.1	5.3	79.7	6.7	6.5													
							Middle	4.1	1	29.3	8.0	24.2	5.3	79.8	8.0	7.5													
									2	29.3	8.0	24.2	5.4	79.9	8.0	7.2													
							Bottom	7.2	1	29.3	8.0	24.3	5.5	82.7	8.2	8.1													
									2	29.2	8.0	24.3	5.6	83.0	8.2	8.3													
		TCE-WQM2a	Rainy	Moderate	15:40	7.2	Surface	1.0	1	29.3	8.0	25.1	5.3	79.2	7.1	6.3	5.2	7.0	6.9										
									2	29.3	8.0	25.1	5.3	79.2	7.1	6.0													
							Middle	3.6	1	29.1	8.0	25.4	5.2	78.1	6.9	6.8													
									2	29.1	8.0	25.5	5.2	78.1	6.9	7.1													
							Bottom	6.2	1	28.9	8.0	25.9	5.0	74.4	6.9	7.3													
									2	28.9	8.0	25.8	5.0	74.5	7.0	7.7													
		TCE-WQM2b	Rainy	Rough	15:54	11.0	Surface	1.0	1	29.4	8.0	22.4	5.3	78.4	7.1	8.3	5.2	8.2	9.4										
									2	29.4	8.0	22.4	5.3	78.0	7.5	8.5													
							Middle	5.5	1	29.2	8.0	24.5	5.2	77.1	8.8	9.0													
									2	29.2	8.0	24.5	5.2	77.3	8.9	9.4													
							Bottom	10.0	1	29.2	8.0	24.6	5.4	80.7	8.5	10.4													
									2	29.2	8.0	24.6	5.4	80.9	8.6	10.5													
		TCE-WQM3A	Cloudy	Calm	15:28	4.4	Surface	1.0	1	29.5	8.0	24.1	5.4	80.1	11.0	11.6	5.3	12.4	11.7										
									2	29.4	8.0	24.2	5.3	79.8	11.4	11.3													
							Bottom	3.4	1	29.3	8.0	24.6	5.3	79.0	13.6	11.9													
									2	29.3	8.0	24.5	5.3	79.2	13.7	12.1													
							TCE-WQM4	Cloudy	Calm	15:17	3.9	Surface	1.0	1	29.4	8.0				25.0	5.3	80.1	7.1	8.8	5.3	8.1	8.2		
														2	29.4	8.0				25.0	5.3	80.0	7.1	8.4					
		Bottom	2.9	1	29.3	8.0						25.1	5.4	80.4	8.8	7.8													
				2	29.3	8.0						25.1	5.4	80.7	9.4	7.6													
		21-09-20	Mid-Flood	TCE-C1	Cloudy	Moderate						11:23	8.3	Surface	1.0	1	29.1	8.1	23.7	5.4	79.6	5.9	4.9	5.4				7.9	5.9
																2	29.1	8.1	23.7	5.4	79.7	6.1	4.8						
							Middle	4.2	1	28.9	8.2			27.3	5.3	80.5	7.4	5.9											
									2	28.9	8.2			27.4	5.3	80.7	7.3	5.8											
							Bottom	7.3	1	29.0	8.2			28.4	5.5	82.9	10.5	7.2											
									2	29.0	8.1			28.4	5.5	83.1	10.3	6.9											
				TCE-C2	Cloudy	Moderate	9:00	13.1	Surface	1.0	1	29.0	8.0	25.1	5.0	74.4	4.5	7.4	4.9	7.6	8.3								
											2	28.8	8.0	26.7	4.7	70.8	4.6	6.8											
									Middle	6.6	1	28.8	8.0	26.5	4.8	72.2	4.3	8.0											
											2	29.0	8.0	25.0	5.0	74.8	4.3	8.2											
Bottom	12.1								1	28.8	8.0	26.7	4.8	71.7	12.7	9.8													
									2	28.8	8.0	26.7	4.8	72.3	15.0	9.5													
TCE-WQM1	Cloudy			Moderate	10:18	8.2	Surface	1.0	1	29.0	8.0	25.1	5.0	74.1	10.5	15.0	5.0	11.4	12.7										
									2	29.0	8.0	25.1	5.0	74.1	10.4	14.5													
							Middle	4.1	1	29.0	8.0	25.1	5.0	74.1	11.3	12.7													
									2	29.0	8.0	25.1	5.0	74.1	11.5	12.4													
							Bottom	7.2	1	29.0	8.0	25.1	5.0	74.1	12.4	10.7													
									2	29.0	8.0	25.1	5.0	74.2	12.3	11.0													
TCE-WQM2a	Cloudy			Moderate	9:40	7.5	Surface	1.0	1	29.1	8.0	24.3	5.1	75.9	12.2	13.8	5.1	12.8	14.5										
									2	29.1	8.0	24.3	5.1	75.9	12.2	13.4													
							Middle	3.8	1	29.1	8.0	24.3	5.1	76.3	12.4	14.7													
									2	29.1	8.0	24.3	5.1	76.4	12.4	14.6													
							Bottom	6.5	1	29.0	8.0	24.6	5.3	79.4	13.8	15.4													
									2	29.0	8.0	24.6	5.4	79.7	13.7	15.0													
TCE-WQM2b	Cloudy			Moderate	9:27	11.2	Surface	1.0	1	29.4	8.0	24.4	5.3	79.6	3.9	4.4	5.2	8.4	5.6										
									2	29.4	8.0	24.4	5.3	79.6	3.9	4.8													
							Middle	5.6	1	29.0	8.0	24.9	5.1	75.6	7.7	5.1													
									2	29.0	8.0	25.0	5.1	75.5	7.7	5.5													
							Bottom	10.2	1	29.0	8.0	25.2	5.2	78.2	12.3	6.9													
									2	29.0	8.0	25.2	5.3	78.5	15.1	6.6													
TCE-WQM3A	Cloudy			Moderate	9:52	4.2	Surface	1.0	1	29.3	8.0	24.4	5.4	80.2	4.7	7.2	5.4	4.8	8.0										
									2	29.3	8.0	24.4	5.4	80.3	4.7	7.1													
							Bottom	3.2	1	29.1	8.0	24.6	5.6	82.7	4.9	9.0													
									2	28.9	8.0	24.7	5.6	83.1	4.9	8.7													
							TCE-WQM4	Cloudy	Moderate	10:05	3.7	Surface	1.0	1	29.1	8.0				24.7	5.2	77.8	8.2	7.2	5.2	9.3	7.6		
														2	29.1	8.0				24.7	5.2	78.0	8.3	6.9					
Bottom	2.7			1	29.0	8.0						25.1	5.4	81.2	10.3	8.1													
				2	29.0	8.0						25.1	5.5	81.5	10.3	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)					
23-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:52	8.2	Surface	1.0	1	28.7	8.2	24.4	5.6	82.9	4.7	4.8	5.5	10.2	5.5					
									2	28.7	8.2	24.5	5.6	82.7	4.9	4.7								
							Middle	4.1	1	28.5	8.2	27.9	5.4	81.3	12.1	5.5								
									2	28.5	8.2	28.0	5.4	81.3	12.6	5.7								
				Bottom	7.2	1	28.5	8.2	28.3	5.4	81.5	13.2	6.3	5.4										
						2	28.5	8.2	28.3	5.4	81.6	13.6	6.2											
		TCE-C2	Cloudy	Moderate	17:46	12.6	Surface	1.0	1	29.0	8.1	25.5	5.5				82.7	2.9	6.0	5.2	4.3	5.1		
									2	28.9	8.1	25.6	5.5				82.6	2.9	5.6					
							Middle	6.3	1	28.6	8.1	26.6	4.9	73.5	3.3	5.1								
									2	28.6	8.1	26.6	4.9	73.5	3.3	5.2								
				Bottom	11.6	1	28.5	8.1	27.5	4.9	73.2	6.8	4.3	4.9										
						2	28.5	8.1	27.4	4.9	73.3	6.6	4.6											
		TCE-WQM1	Cloudy	Moderate	16:32	8.1	Surface	1.0	1	29.4	8.0	23.5	5.7				85.3	5.7	4.4	5.7	6.9	5.5		
									2	29.3	8.0	23.5	5.7				85.2	5.8	4.6					
							Middle	4.1	1	29.2	8.0	23.5	5.6	83.6	6.4	5.3								
									2	29.2	8.0	23.5	5.6	83.5	6.3	5.1								
				Bottom	7.1	1	29.1	8.0	23.5	5.6	83.1	8.4	6.9	5.6										
						2	29.1	8.0	23.5	5.6	83.1	9.0	6.7											
		TCE-WQM2a	Cloudy	Moderate	17:06	7.2	Surface	1.0	1	29.0	8.0	24.3	5.8				85.7	3.3	3.2	5.5	5.5	4.3		
									2	29.0	8.0	24.3	5.8				85.7	3.3	3.5					
							Middle	3.6	1	28.7	8.0	25.4	5.2	76.7	5.3	4.6								
									2	28.7	8.0	25.5	5.2	76.6	5.6	4.1								
				Bottom	6.2	1	28.6	8.0	25.7	5.2	76.9	7.6	5.4	5.2										
						2	28.6	8.0	25.7	5.2	77.0	7.6	5.1											
		TCE-WQM2b	Cloudy	Moderate	17:19	10.5	Surface	1.0	1	29.0	8.0	24.1	5.6				83.5	3.9	5.6	5.3	5.4	6.3		
									2	29.0	8.0	24.2	5.6				83.4	3.9	5.8					
							Middle	5.3	1	28.6	8.0	26.1	5.0	75.0	5.5	6.1								
									2	28.5	8.0	26.2	5.0	75.1	5.6	6.4								
				Bottom	9.5	1	28.7	8.0	26.8	5.2	77.7	6.6	6.8	5.2										
						2	28.8	8.0	26.7	5.2	78.0	6.6	7.1											
		TCE-WQM3A	Cloudy	Moderate	16:56	4.3	Surface	1.0	1	29.5	8.1	23.6	6.3				93.6	3.8	4.7	6.3	4.4	4.1		
									2	29.4	8.1	23.7	6.3				93.4	4.0	4.4					
							Bottom	3.3	1	29.3	8.1	23.7	5.9	88.5	5.0	3.9								
									2	29.4	8.1	23.6	6.0	88.8	4.9	3.5								
		TCE-WQM4	Cloudy	Moderate	16:44	3.5	Surface	1.0	1	29.4	8.1	24.1	5.9	88.0	6.1	7.4	5.9	6.1	7.7					
									2	29.4	8.1	24.2	5.9	87.9	6.1	7.2								
							Bottom	2.5	1	29.3	8.1	24.2	5.9	87.6	6.1	8.0								
									2	29.3	8.1	24.2	5.9	87.5	6.1	8.3								
		23-09-20	Mid-Flood	TCE-C1	Cloudy	Moderate	13:23	8.3	Surface	1.0	1	29.2	8.2	20.6	6.1	88.9	5.5	5.3	5.7	7.7	5.6			
											2	29.1	8.2	20.6	6.1	88.8	5.7	5.0						
									Middle	4.2	1	28.5	8.2	27.5	5.4	81.2	7.0	5.5						
											2	28.5	8.2	27.5	5.4	81.1	7.0	5.5						
						Bottom	7.3	1	28.5	8.2	28.1	5.4	81.3	10.6	5.9	5.4								
								2	28.5	8.2	28.1	5.4	81.6	10.7	6.2									
				TCE-C2	Cloudy	Moderate	11:10	12.5	Surface	1.0	1	28.7	8.0	24.8	5.4				80.3	6.1	3.0	5.2	8.9	4.0
											2	28.7	8.0	24.9	5.4				80.3	6.6	3.2			
									Middle	6.3	1	28.5	8.0	26.1	5.0	74.0	10.9	4.1						
											2	28.5	8.0	26.1	5.0	74.0	10.7	3.7						
				Bottom	11.5	1	28.5	8.0	26.4	5.0	74.4	9.4	5.2	5.0										
						2	28.5	8.0	26.4	5.0	74.4	9.6	4.9											
TCE-WQM1	Cloudy			Moderate	12:30	8.5	Surface	1.0	1	29.0	8.0	23.8	5.5				80.8	8.4	10.4	5.5	10.6	9.6		
									2	29.0	8.0	23.8	5.4				80.7	8.6	10.6					
							Middle	4.3	1	28.9	8.1	23.9	5.5	81.1	11.6	9.4								
									2	28.9	8.1	24.0	5.5	81.1	11.7	9.1								
				Bottom	7.5	1	28.9	8.1	23.9	5.5	81.7	11.6	9.1	5.5										
						2	28.9	8.1	23.9	5.5	81.9	11.5	9.2											
TCE-WQM2a	Cloudy			Moderate	11:51	6.8	Surface	1.0	1	29.1	8.0	23.5	5.6				83.2	3.4	5.8	5.5	6.3	6.6		
									2	29.1	8.0	23.5	5.6				83.2	3.4	5.8					
							Middle	3.4	1	28.7	8.0	23.9	5.4	80.2	6.7	6.7								
									2	28.7	8.0	23.9	5.4	80.2	6.6	6.4								
				Bottom	5.8	1	28.7	8.0	24.2	5.4	80.3	8.7	7.2	5.4										
						2	28.7	8.0	24.2	5.4	80.4	9.0	7.5											
TCE-WQM2b	Cloudy			Moderate	11:34	11.0	Surface	1.0	1	28.9	8.0	24.1	5.3				78.4	8.5	10.8	5.2	10.0	11.9		
									2	28.9	8.0	24.1	5.3				78.1	8.6	10.5					
							Middle	5.5	1	28.7	8.0	24.5	5.1	75.7	7.6	12.2								
									2	28.6	8.0	24.5	5.1	75.7	7.7	11.9								
				Bottom	10.0	1	28.6	8.0	24.8	5.1	75.2	13.9	12.8	5.1										
						2	28.6	8.0	24.8	5.1	75.2	13.4	13.2											
TCE-WQM3A	Cloudy			Moderate	12:04	3.9	Surface	1.0	1	29.1	8.1	23.9	5.7				84.2	6.2	4.2	5.7	7.8	4.6		
									2	29.0	8.1	23.9	5.7				84.1	7.0	3.9					
							Bottom	2.9	1	28.9	8.1	24.0	5.5	81.6	8.8	5.2								
									2	28.9	8.1	24.0	5.5	81.6	9.2	5.0								
TCE-WQM4	Cloudy			Moderate	12:15	3.4	Surface	1.0	1	29.0	8.0	24.1	5.5	81.9	8.4	7.7	5.5	9.8	8.6					
									2	29.0	8.0	24.2	5.5	81.9	8.8	7.9								
							Bottom	2.4	1	29.0	8.0	24.2	5.5	81.9	11.0	9.6								
									2	29.0	8.0	24.2	5.5	81.9	11.3	9.3								

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)					
25-09-20	Mid-Ebb	TCE-C1	Sunny	Moderate	8:38	7.6	Surface	1.0	1	28.8	7.9	26.7	5.6	83.5	5.5	5.9	5.5	6.5	6.7					
									2	28.8	7.9	26.9	5.6	83.4	5.8	6.2								
							Middle	3.8	1	28.7	7.9	28.8	5.5	83.0	6.5	6.8								
									2	28.7	7.9	29.0	5.5	83.0	6.3	6.5								
				Bottom	6.6	1	28.6	7.9	29.5	5.5	84.3	7.4	7.6	5.5										
						2	28.6	7.9	29.5	5.6	84.4	7.5	7.2											
		TCE-C2	Sunny	Calm	6:45	11.6	Surface	1.0	1	28.7	7.6	21.1	5.8				83.7	2.4	2.1	5.6	3.4	3.0		
									2	28.7	7.6	21.2	5.7				83.5	2.4	2.4					
							Middle	5.8	1	28.8	7.6	21.7	5.5	81.1	2.7	2.7								
									2	28.9	7.6	21.7	5.5	80.9	2.7	2.7								
				Bottom	10.6	1	28.7	7.6	26.1	5.0	74.3	5.2	4.2	5.0										
						2	28.7	7.5	26.1	5.0	74.5	5.3	3.9											
		TCE-WQM1	Sunny	Moderate	8:02	8.2	Surface	1.0	1	29.1	7.8	23.1	5.7				84.0	3.5	3.9	5.6	5.2	4.3		
									2	29.1	7.8	23.1	5.7				83.9	3.5	3.6					
							Middle	4.1	1	29.0	7.8	23.7	5.6	82.4	5.2	4.4								
									2	29.0	7.8	23.9	5.5	82.1	5.2	4.0								
				Bottom	7.2	1	28.9	7.8	25.0	5.5	81.7	6.7	5.1	5.5										
						2	28.9	7.8	25.0	5.5	82.1	6.8	4.8											
		TCE-WQM2a	Sunny	Moderate	7:28	7.1	Surface	1.0	1	28.8	7.8	22.5	5.7				84.2	3.4	4.4	5.5	4.2	3.7		
									2	28.8	7.8	22.5	5.7				84.2	3.4	4.2					
							Middle	3.6	1	28.9	7.8	23.2	5.3	78.7	3.6	3.7								
									2	28.9	7.8	23.2	5.3	78.5	3.6	3.6								
				Bottom	6.1	1	28.8	7.8	26.1	4.9	72.9	5.6	3.4	4.9										
						2	28.8	7.8	26.1	4.9	73.2	5.6	3.1											
		TCE-WQM2b	Sunny	Moderate	7:15	10.4	Surface	1.0	1	28.8	7.7	21.5	5.8				83.9	2.3	3.2	5.6	2.9	3.3		
									2	28.8	7.7	21.6	5.7				83.7	2.3	3.0					
							Middle	5.2	1	28.8	7.7	22.2	5.5	81.2	2.3	3.3								
									2	28.8	7.7	22.2	5.5	81.0	2.3	3.2								
				Bottom	9.4	1	28.7	7.8	26.3	4.9	73.4	4.3	3.5	4.9										
						2	28.7	7.8	26.3	4.9	73.4	4.2	3.7											
		TCE-WQM3A	Sunny	Calm	7:40	3.3	Surface	1.0	1	29.3	7.7	22.1	5.3				78.1	6.3	5.8	5.3	6.2	5.5		
									2	29.3	7.7	22.1	5.3				78.0	6.3	5.6					
							Bottom	2.3	1	29.2	7.7	22.6	5.2	77.3	6.1	5.4								
									2	29.2	7.7	22.6	5.2	77.3	6.2	5.2								
		TCE-WQM4	Sunny	Calm	7:49	3.4	Surface	1.0	1	29.3	7.7	23.0	5.4	80.8	3.8	5.1	5.5	5.1	4.7					
									2	29.3	7.7	23.1	5.5	81.0	4.1	4.8								
							Bottom	2.4	1	29.0	7.7	23.7	5.6	82.4	6.3	4.5								
									2	29.0	7.7	23.8	5.6	82.6	6.1	4.5								
		25-09-20	Mid-Flood	TCE-C1	Fine	Moderate	18:47	7.5	Surface	1.0	1	28.8	7.9	27.5	5.5	83.4	5.6	5.3	5.5	6.7	6.2			
											2	28.7	7.9	27.7	5.5	83.2	5.8	5.5						
									Middle	3.8	1	28.7	7.9	28.8	5.5	82.7	6.4	6.1						
											2	28.7	7.9	28.9	5.5	82.6	6.6	6.4						
						Bottom	6.5	1	28.6	7.9	29.7	5.5	83.0	7.7	7.1	5.5								
								2	28.6	7.9	29.7	5.5	83.2	7.8	6.8									
				TCE-C2	Fine	Moderate	21:10	11.3	Surface	1.0	1	29.1	7.8	23.6	5.7				84.2	3.3	3.7	5.3	4.1	4.9
											2	29.1	7.8	23.6	5.7				84.2	3.3	4.0			
									Middle	5.7	1	28.7	7.8	27.4	4.9	74.0	4.3	4.6						
											2	28.7	7.8	27.4	4.9	74.1	4.6	4.2						
				Bottom	10.3	1	28.7	7.8	28.0	5.1	76.3	4.5	6.3	5.1										
						2	28.7	7.8	28.0	5.1	76.7	4.5	6.6											
TCE-WQM1	Fine			Moderate	19:55	7.4	Surface	1.0	1	29.3	7.8	22.8	5.8				85.7	4.6	4.2	5.8	6.2	5.1		
									2	29.3	7.8	22.9	5.8				85.6	4.7	4.6					
							Middle	3.7	1	29.2	7.8	23.0	5.8	85.5	6.0	4.9								
									2	29.2	7.8	23.0	5.8	85.5	6.1	5.2								
				Bottom	6.4	1	29.0	7.8	24.9	5.4	80.9	7.8	5.6	5.4										
						2	29.0	7.8	24.9	5.4	81.0	8.0	6.0											
TCE-WQM2a	Fine			Moderate	20:30	6.4	Surface	1.0	1	29.2	7.7	22.5	5.9				86.4	6.1	7.7	5.6	6.2	7.3		
									2	29.2	7.7	22.5	5.9				86.4	6.1	8.0					
							Middle	3.2	1	28.9	7.7	23.1	5.5	80.6	5.7	7.1								
									2	28.9	7.7	23.2	5.4	79.9	5.8	7.2								
				Bottom	5.4	1	28.8	7.7	25.7	4.9	73.6	6.8	6.7	5.0										
						2	28.8	7.7	25.7	5.0	74.4	6.7	6.9											
TCE-WQM2b	Fine			Moderate	20:43	10.2	Surface	1.0	1	29.2	7.8	22.7	5.8				85.1	2.7	5.8	5.4	4.1	4.3		
									2	29.2	7.8	22.7	5.7				85.0	2.8	5.6					
							Middle	5.1	1	28.8	7.8	25.5	5.1	75.9	4.1	3.8								
									2	28.8	7.8	25.5	5.1	75.8	4.2	4.1								
				Bottom	9.2	1	28.7	7.8	27.7	5.0	75.9	5.2	3.5	5.0										
						2	28.7	7.8	27.7	5.1	76.2	5.3	3.2											
TCE-WQM3A	Fine			Calm	20:19	3.2	Surface	1.0	1	29.2	7.8	21.8	6.1				89.0	4.0	3.3	6.0	4.3	4.4		
									2	29.2	7.8	21.9	6.0				88.9	4.1	3.5					
							Bottom	2.2	1	29.1	7.8	21.9	6.2	90.4	4.5	5.2								
									2	29.1	7.8	21.9	6.2	90.7	4.7	5.6								
TCE-WQM4	Fine			Calm	20:05	3.1	Surface	1.0	1	29.0	7.7	22.5	5.7	83.2	11.1	4.0	5.6	12.5	4.6					
									2	29.0	7.7	22.6	5.6	83.0	11.3	3.8								
							Bottom	2.1	1	29.0	7.8	23.1	5.6	82.4	13.6	5.2								
									2	29.0	7.8	23.1	5.6	82.8	13.8	5.3								

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)					
28-09-20	Mid-Ebb	TCE-C1	Fine	Moderate	9:11	7.3	Surface	1.0	1	28.7	8.0	29.0	6.4	97.4	2.5	2.9	6.3	4.2	3.5					
									2	28.7	8.0	29.0	6.4	97.2	2.5	2.8								
							Middle	3.7	1	28.7	8.0	29.4	6.2	94.3	4.5	3.4								
									2	28.7	8.0	29.5	6.2	93.7	4.4	3.3								
				Bottom	6.3	1	28.7	7.9	29.9	6.1	92.4	5.6	4.0	6.1										
						2	28.7	7.9	29.9	6.1	92.4	5.6	4.3											
		TCE-C2	Fine	Moderate	11:20	13.0	Surface	1.0	1	28.6	7.8	26.8	5.6				84.4	2.2	2.9	5.4	4.8	3.3		
									2	28.6	7.8	26.8	5.6				84.4	2.2	2.7					
							Middle	6.5	1	28.7	7.8	27.6	5.2	78.6	5.3	3.0								
									2	28.7	7.8	27.6	5.2	78.5	5.4	3.3								
				Bottom	12.0	1	28.7	7.8	29.2	5.1	77.8	6.6	3.9	5.1										
						2	28.7	7.8	29.2	5.1	77.9	6.8	4.1											
		TCE-WQM1	Fine	Moderate	10:05	8.0	Surface	1.0	1	28.6	7.8	26.6	5.9				88.0	4.8	5.4	5.9	7.1	6.0		
									2	28.6	7.8	26.6	5.9				87.9	4.9	5.2					
							Middle	4.0	1	28.6	7.8	26.7	5.8	87.1	7.9	5.7								
									2	28.6	7.8	26.7	5.8	87.1	8.0	6.0								
				Bottom	7.0	1	28.6	7.8	27.0	5.8	86.9	8.7	6.6	5.8										
						2	28.6	7.8	27.0	5.8	87.1	8.4	6.9											
		TCE-WQM2a	Fine	Calm	10:43	7.3	Surface	1.0	1	28.6	7.7	26.5	5.9				88.4	6.3	5.5	5.7	7.4	7.2		
									2	28.6	7.7	26.5	5.9				88.4	6.3	5.5					
							Middle	3.7	1	28.6	7.7	27.1	5.5	81.9	7.2	6.8								
									2	28.6	7.7	27.1	5.5	81.8	7.2	7.0								
				Bottom	6.3	1	28.6	7.7	27.9	5.2	78.2	8.8	9.4	5.2										
						2	28.6	7.7	27.9	5.2	78.2	8.8	9.0											
		TCE-WQM2b	Fine	Moderate	10:57	11.1	Surface	1.0	1	28.7	7.8	24.3	6.1				90.3	1.4	1.8	6.0	3.6	2.2		
									2	28.7	7.8	24.3	6.1				90.2	1.4	1.6					
							Middle	5.6	1	28.6	7.8	25.5	5.9	87.4	2.8	2.2								
									2	28.6	7.8	25.5	5.9	87.4	2.7	2.1								
				Bottom	10.1	1	28.6	7.8	26.3	5.8	86.1	6.5	2.5	5.8										
						2	28.6	7.8	26.3	5.8	86.1	6.6	2.9											
		TCE-WQM3A	Fine	Calm	10:31	3.4	Surface	1.0	1	28.4	7.8	25.2	5.5				81.5	5.8	6.6	5.5	6.7	6.9		
									2	28.4	7.8	25.2	5.5				81.4	5.9	6.9					
							Bottom	2.4	1	28.4	7.8	25.5	5.4	80.7	7.5	7.1								
									2	28.4	7.8	25.6	5.4	80.7	7.5	7.1								
		TCE-WQM4	Fine	Calm	10:18	3.0	Surface	1.0	1	28.5	7.7	26.3	5.8	86.8	4.6	5.5	5.8	4.7	5.9					
									2	28.5	7.7	26.3	5.8	86.9	4.6	5.6								
							Bottom	2.0	1	28.5	7.8	26.3	5.9	88.3	4.7	6.4								
									2	28.5	7.8	26.3	6.0	88.7	4.8	6.1								
		28-09-20	Mid-Flood	TCE-C1	Fine	Moderate	4:42	7.4	Surface	1.0	1	28.7	8.0	28.8	6.4	96.5	2.4	4.4	6.3	3.5	3.8			
											2	28.7	8.0	28.8	6.4	96.5	2.5	4.5						
									Middle	3.7	1	28.8	8.0	28.9	6.3	96.0	2.8	3.7						
											2	28.8	8.0	29.0	6.3	95.8	3.1	3.5						
						Bottom	6.4	1	28.8	8.1	29.9	6.2	94.5	5.2	3.3	6.2								
								2	28.8	8.1	29.9	6.2	94.8	5.2	3.1									
				TCE-C2	Fine	Calm	2:44	11.6	Surface	1.0	1	28.4	7.9	27.5	5.7				84.7	2.2	3.2	5.4	4.0	3.3
											2	28.4	7.9	27.7	5.6				84.6	2.3	3.4			
									Middle	5.8	1	28.7	7.9	29.1	5.2	79.5	4.2	3.2						
											2	28.7	7.9	29.1	5.2	79.5	4.4	3.2						
				Bottom	10.6	1	28.7	7.8	29.3	5.3	79.9	5.6	3.3	5.3										
						2	28.7	7.8	29.3	5.3	80.0	5.5	3.3											
TCE-WQM1	Fine			Calm	3:58	7.6	Surface	1.0	1	28.7	8.0	26.2	6.0				90.3	4.5	3.8	6.0	4.5	3.6		
									2	28.7	8.0	26.2	6.0				90.3	4.6	4.1					
							Middle	3.8	1	28.7	8.0	26.2	6.0	90.2	4.5	3.5								
									2	28.7	8.0	26.2	6.0	90.2	4.5	3.7								
				Bottom	6.6	1	28.7	8.0	26.2	6.1	90.4	4.5	3.3	6.1										
						2	28.7	8.0	26.2	6.1	90.5	4.5	3.1											
TCE-WQM2a	Fine			Moderate	3:22	6.8	Surface	1.0	1	28.4	8.0	26.1	5.8				86.9	2.4	3.0	5.8	2.6	2.8		
									2	28.4	8.0	26.1	5.8				86.9	2.4	3.3					
							Middle	3.4	1	28.5	8.0	26.4	5.7	85.3	2.7	2.8								
									2	28.5	8.0	26.5	5.7	85.2	2.6	2.9								
				Bottom	5.8	1	28.6	8.0	26.6	5.7	85.1	2.7	2.5	5.7										
						2	28.6	8.0	26.6	5.7	85.2	2.7	2.3											
TCE-WQM2b	Fine			Calm	3:09	10.4	Surface	1.0	1	28.5	8.0	26.3	5.8				86.1	1.9	1.6	5.6	3.2	2.0		
									2	28.5	8.0	26.3	5.8				85.7	1.9	1.9					
							Middle	5.2	1	28.6	8.0	27.0	5.5	82.1	3.2	1.7								
									2	28.6	8.0	27.1	5.5	81.9	3.3	1.9								
				Bottom	9.4	1	28.7	8.0	27.6	5.4	81.0	4.6	2.5	5.4										
						2	28.7	8.0	27.6	5.4	81.1	4.7	2.3											
TCE-WQM3A	Fine			Moderate	3:34	3.4	Surface	1.0	1	28.4	8.0	26.0	5.8				86.7	2.5	2.6	5.8	2.5	3.1		
									2	28.4	8.0	26.0	5.9				86.9	2.5	2.9					
							Bottom	2.4	1	28.4	8.0	26.0	6.0	89.1	2.5	3.2								
									2	28.4	8.0	26.0	6.0	89.4	2.5	3.5								
TCE-WQM4	Fine			Calm	3:45	3.2	Surface	1.0	1	28.5	8.0	26.4	5.9	87.6	2.8	4.4	5.9	2.8	3.9					
									2	28.5	8.0	26.4	5.9	87.8	2.8	4.4								
							Bottom	2.2	1	28.5	8.0	26.4	6.0	89.1	2.8	3.4								
									2	28.5	8.0	26.3	6.0	89.3	2.8	3.7								

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)					
30-09-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:31	7.5	Surface	1.0	1	28.5	8.2	25.6	6.0	89.5	5.7	6.3	6.0	7.9	5.1					
									2	28.5	8.2	25.6	6.0	89.5	5.8	6.5								
							Middle	3.8	1	28.5	8.1	29.7	5.9	89.4	7.9	4.8								
									2	28.5	8.1	29.8	5.9	89.4	8.2	5.1								
				Bottom	6.5	1	28.5	7.9	30.3	5.9	89.2	9.8	4.1	5.9										
						2	28.5	7.9	30.3	5.9	89.3	9.9	3.8											
		TCE-C2	Cloudy	Calm	12:25	11.1	Surface	1.0	1	29.0	8.3	26.5	5.6				84.2	4.0	3.3	5.4	10.7	3.8		
								2	29.0	8.3	26.6	5.6	83.9				4.6	3.0						
		Middle					5.6	1	28.7	7.9	27.2	5.3	79.8	14.0	3.8									
								2	28.6	7.9	27.4	5.3	79.5	14.1	3.6									
				Bottom	10.1	1	28.6	7.9	28.9	5.2	78.7	13.9	4.3	5.2										
						2	28.6	7.9	28.9	5.2	78.9	13.8	4.6											
		TCE-WQM1	Cloudy	Moderate	11:13	8.2	Surface	1.0	1	28.6	8.4	25.8	5.8				86.0	7.8	6.4	5.8	9.0	6.1		
								2	28.6	8.4	25.9	5.8	86.0				7.9	6.8						
		Middle					4.1	1	28.6	8.4	25.9	5.8	85.7	8.9	6.0									
								2	28.6	8.4	25.9	5.8	85.7	9.1	6.4									
				Bottom	7.2	1	28.6	8.1	26.0	5.7	85.6	10.2	5.3	5.7										
						2	28.6	8.1	26.0	5.7	85.6	10.3	5.5											
		TCE-WQM2a	Cloudy	Moderate	11:47	6.8	Surface	1.0	1	28.6	8.4	26.4	5.5				82.3	4.8	4.3	5.5	4.8	4.9		
								2	28.6	8.4	26.4	5.5	82.3				4.8	4.1						
		Middle					3.4	1	28.6	8.0	27.0	5.4	80.9	4.8	5.0									
								2	28.6	8.0	27.1	5.4	80.8	4.8	4.7									
				Bottom	5.8	1	28.6	8.0	27.4	5.4	80.8	4.8	5.6	5.4										
						2	28.6	8.0	27.4	5.4	80.9	4.8	5.8											
		TCE-WQM2b	Cloudy	Moderate	12:02	9.8	Surface	1.0	1	28.9	8.2	25.8	5.6				83.4	6.0	3.3	5.5	9.7	5.9		
								2	28.9	8.2	25.8	5.6	83.1				6.4	3.6						
		Middle					4.9	1	28.8	7.9	26.2	5.5	81.7	9.4	6.2									
								2	28.8	7.9	26.2	5.5	81.6	9.6	5.9									
				Bottom	8.8	1	28.7	7.9	26.4	5.4	81.0	13.4	8.2	5.4										
						2	28.7	7.9	26.4	5.4	81.1	13.5	8.4											
		TCE-WQM3A	Rainy	Calm	11:35	3.2	Surface	1.0	1	28.7	8.5	25.3	5.8				85.7	5.8	4.3	5.8	6.0	5.3		
								2	28.7	8.5	25.3	5.8	85.9				5.9	4.6						
		Bottom					2.2	1	28.7	8.4	25.3	5.9	87.1	6.1	6.4									
								2	28.7	8.4	25.4	5.9	87.3	6.1	6.0									
		TCE-WQM4	Cloudy	Moderate	11:24	3.1	Surface	1.0	1	29.0	8.3	26.2	5.9	88.0	3.6	6.4	5.9	3.8	6.1					
								2	29.0	8.3	26.2	5.9	88.1	3.7	6.8									
		Bottom					2.1	1	29.0	8.3	26.2	5.9	88.4	3.9	5.4									
								2	29.0	8.3	26.2	5.9	88.3	4.0	5.7									
		30-09-20	Mid-Flood	TCE-C1	Fine	Moderate	7:16	7.6	Surface	1.0	1	28.6	8.0	24.9	6.1	89.8	4.4	6.8	6.0	5.3	6.0			
											2	28.6	8.0	24.7	6.1	89.8	4.3	7.1						
									Middle	3.8	1	28.5	8.0	29.9	5.9	89.4	5.4	5.6						
											2	28.5	8.0	29.9	5.9	89.4	5.5	5.8						
						Bottom	6.6	1	28.5	8.1	30.3	5.9	89.5	6.4	5.4	5.9								
								2	28.5	8.1	30.3	5.9	89.6	6.2	5.2									
				TCE-C2	Fine	Calm	4:01	11.4	Surface	1.0	1	28.5	7.9	27.6	5.4				81.3	3.3	4.7	5.3	4.5	4.3
										2	28.5	7.9	27.7	5.4	81.2				3.5	5.0				
				Middle					5.7	1	28.5	7.9	28.8	5.3	79.8	4.1	4.5							
										2	28.5	7.9	28.8	5.3	79.8	4.3	4.3							
				Bottom	10.4	1	28.5	7.8	29.0	5.3	79.9	5.9	3.5	5.3										
						2	28.5	7.8	29.0	5.3	80.0	5.9	3.8											
TCE-WQM1	Fine			Calm	5:21	8.4	Surface	1.0	1	28.4	8.0	26.2	5.7				84.8	6.2	3.8	5.7	6.5	2.9		
								2	28.4	8.0	26.2	5.7	84.8				6.2	3.7						
Middle							4.2	1	28.4	8.0	26.2	5.7	84.6	6.7	2.9									
								2	28.4	8.0	26.2	5.7	84.6	6.7	2.7									
				Bottom	7.4	1	28.5	8.0	26.2	5.7	84.6	6.8	2.3	5.7										
						2	28.5	8.0	26.2	5.7	84.6	6.8	2.2											
TCE-WQM2a	Fine			Moderate	4:42	7.1	Surface	1.0	1	28.6	8.0	26.0	5.4				80.9	5.0	4.6	5.4	6.5	3.9		
								2	28.6	8.0	26.0	5.4	80.9				5.0	4.7						
Middle							3.6	1	28.6	8.0	26.3	5.4	80.1	6.3	3.9									
								2	28.6	8.0	26.3	5.4	80.0	6.5	3.6									
				Bottom	6.1	1	28.6	8.0	26.5	5.3	79.8	7.9	3.0	5.3										
						2	28.6	8.0	26.5	5.3	79.9	8.0	3.3											
TCE-WQM2b	Fine			Moderate	4:29	10.6	Surface	1.0	1	28.6	8.0	26.6	5.4				80.6	8.3	4.4	5.4	8.6	4.9		
								2	28.6	8.0	26.7	5.4	80.6				8.3	4.2						
Middle							5.3	1	28.6	8.0	27.2	5.3	80.1	8.7	4.6									
								2	28.6	8.0	27.3	5.3	80.0	8.6	4.9									
				Bottom	9.6	1	28.6	8.0	27.9	5.4	81.0	8.8	5.9	5.4										
						2	28.6	8.0	27.8	5.4	81.1	8.9	5.5											
TCE-WQM3A	Fine			Calm	4:55	3.6	Surface	1.0	1	28.4	8.0	25.7	5.6				83.3	4.4	3.8	5.6	4.4	3.5		
								2	28.4	8.0	25.7	5.6	83.5				4.4	4.2						
Bottom							2.6	1	28.4	8.0	25.7	5.8	85.5	4.5	2.7									
								2	28.4	8.0	25.7	5.8	85.8	4.5	3.1									
TCE-WQM4	Fine			Calm	5:05	3.4	Surface	1.0	1	28.5	8.0	26.1	5.5	81.6	5.1	8.1	5.5	5.1	7.7					
								2	28.5	8.0	26.1	5.5	81.6	5.1	8.3									
Bottom							2.4	1	28.5	8.0	26.3	5.6	82.7	5.2	7.3									
								2	28.5	8.0	26.3	5.6	82.9	5.2	7.0									