

Annex G3

Monitoring Results for Water Quality

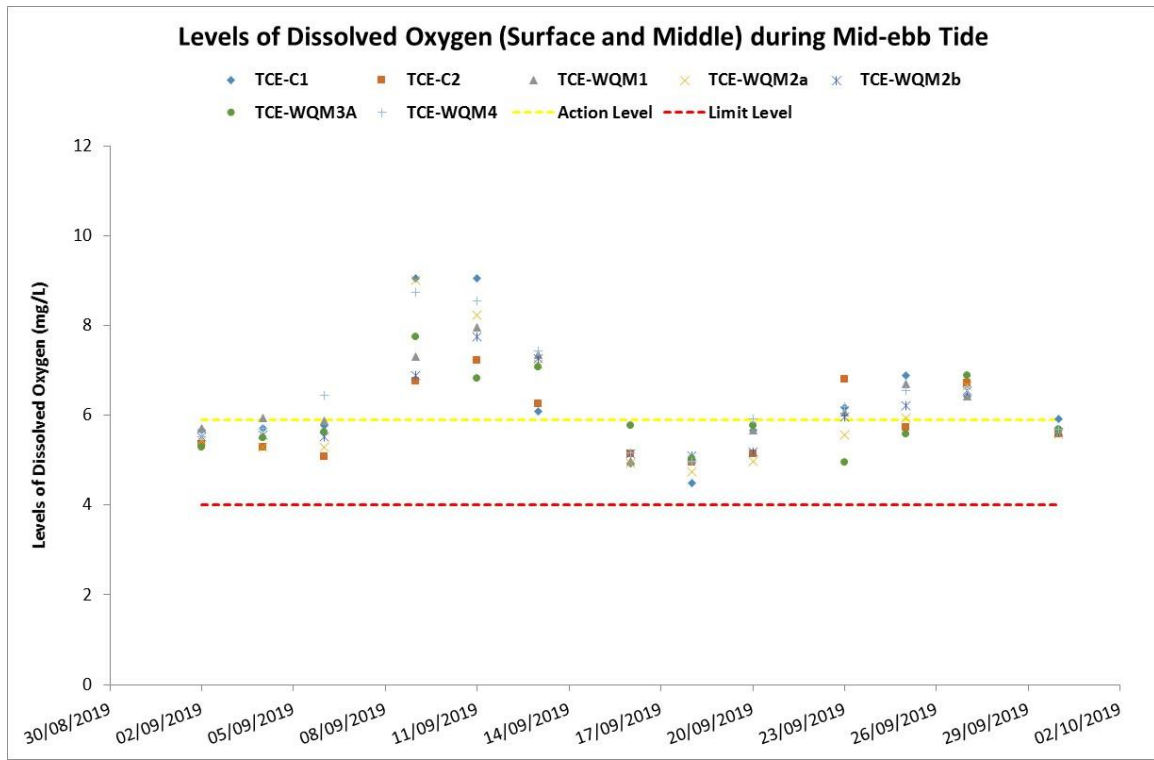


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 September 2019

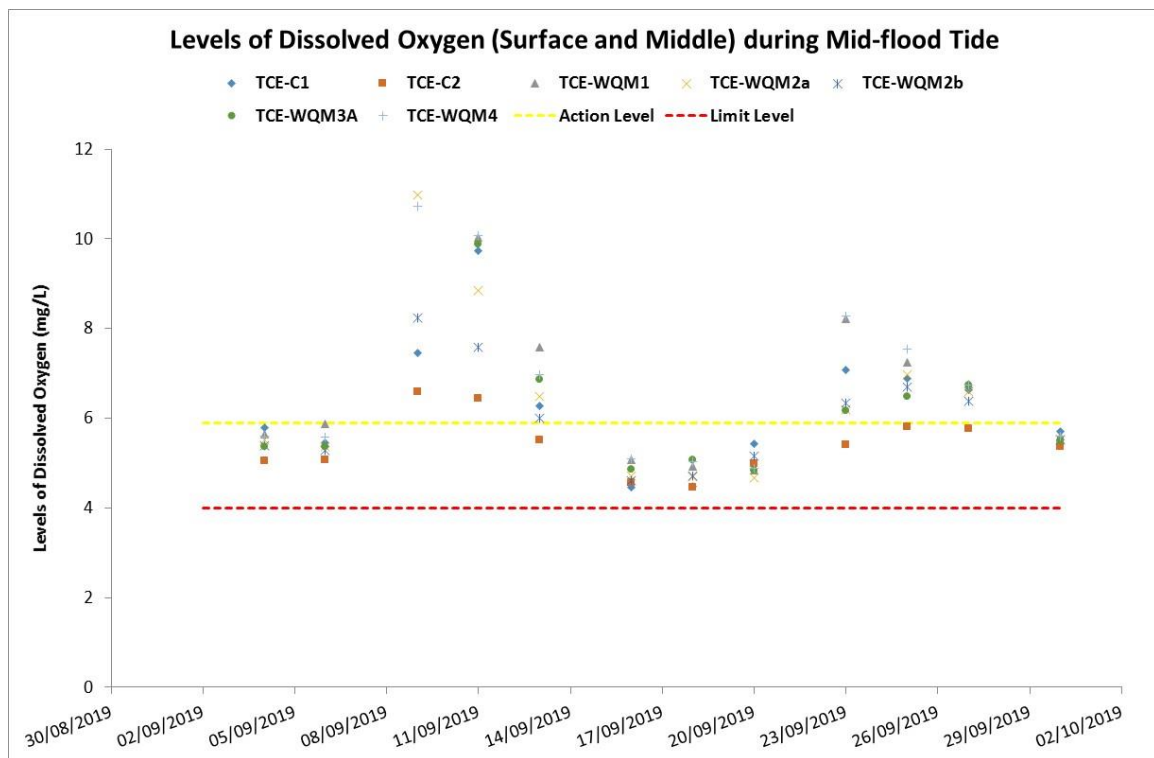


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 September 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 2019

Environmental Resources Management



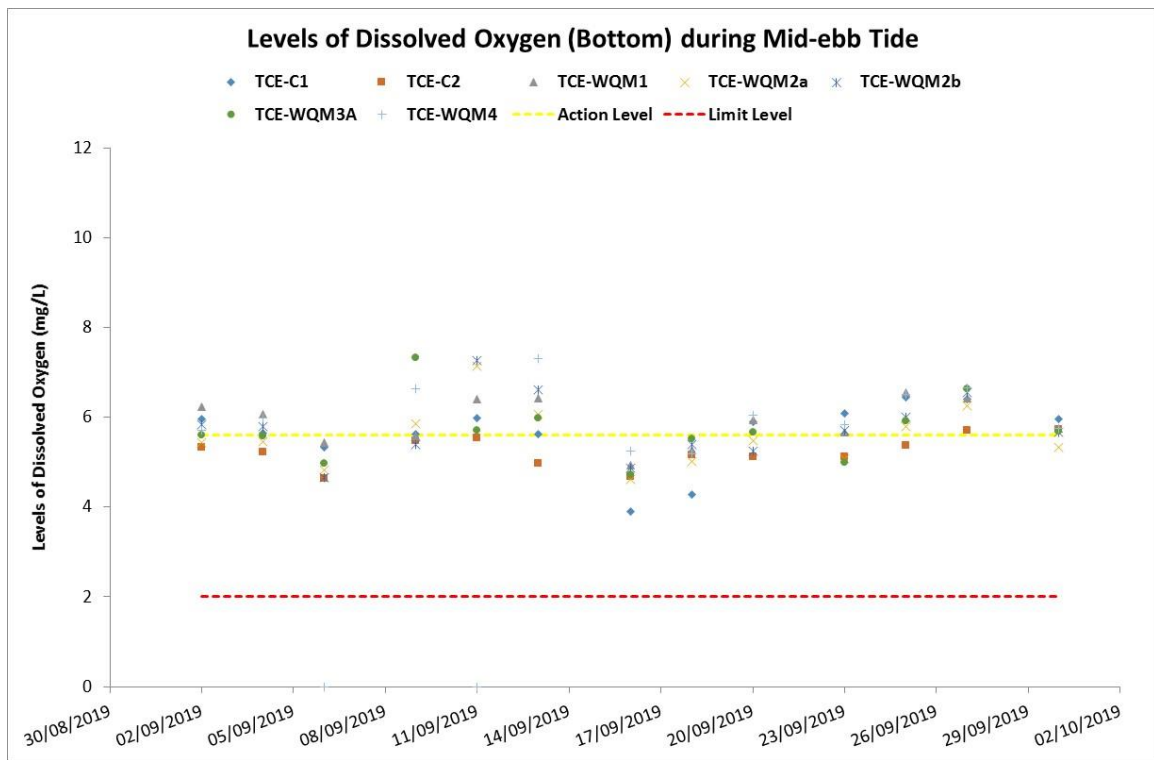


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 September 2019

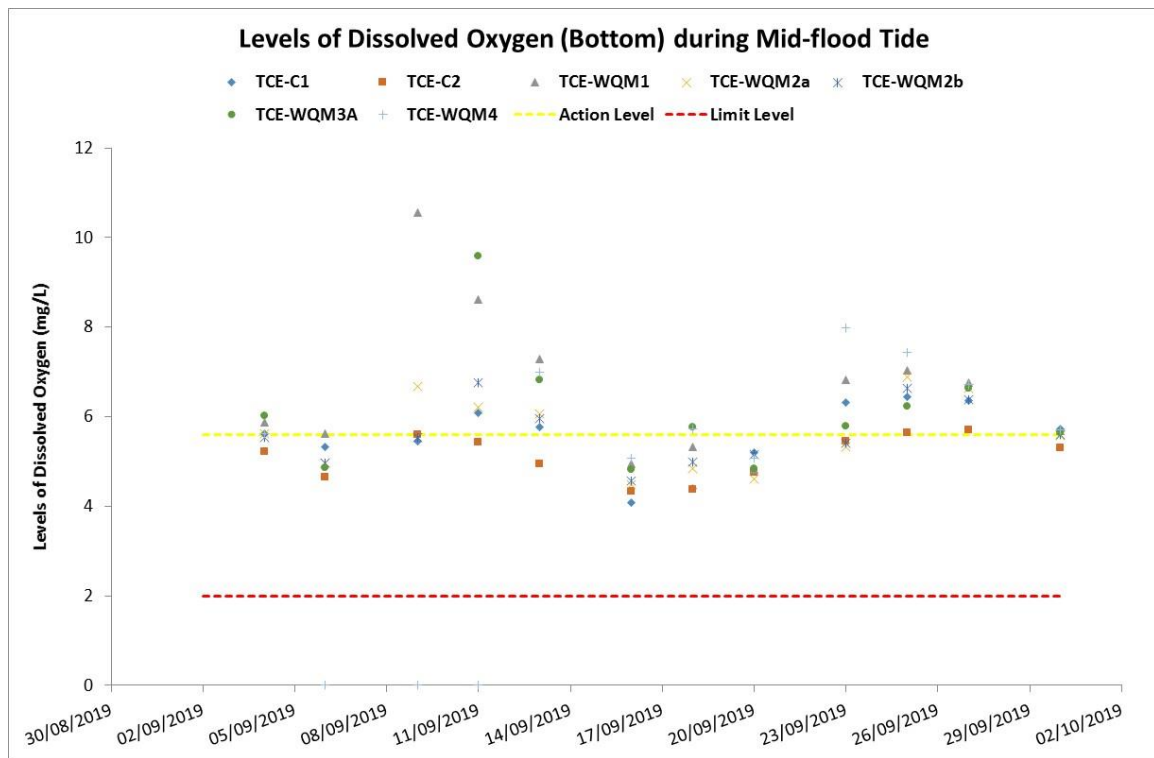


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 September 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 2019

**Environmental
 Resources
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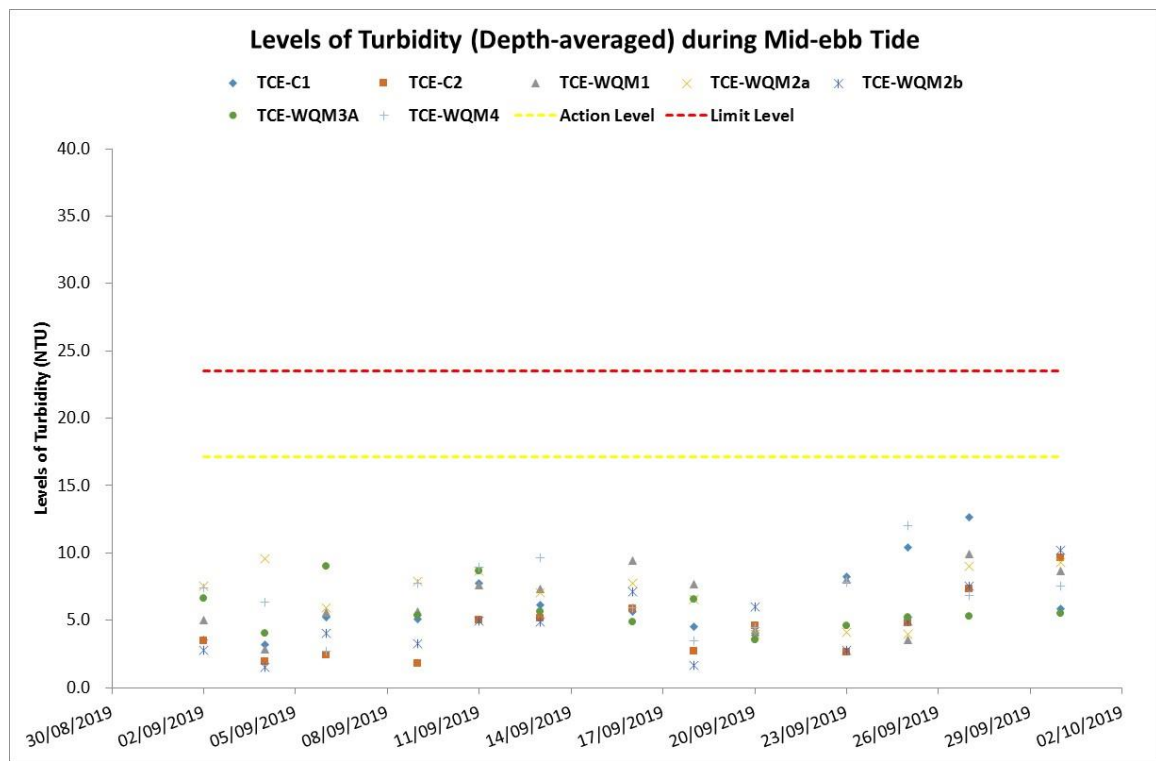


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 September 2019

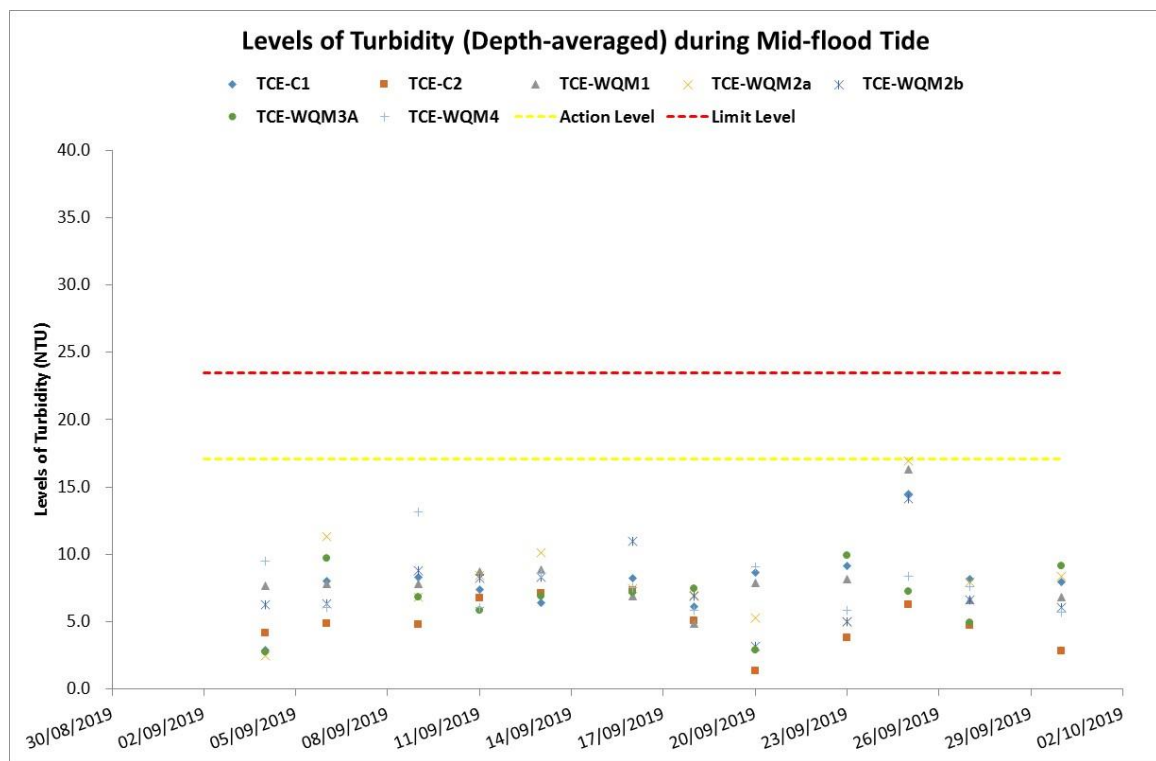


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 September 2019

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

Date: September 2019

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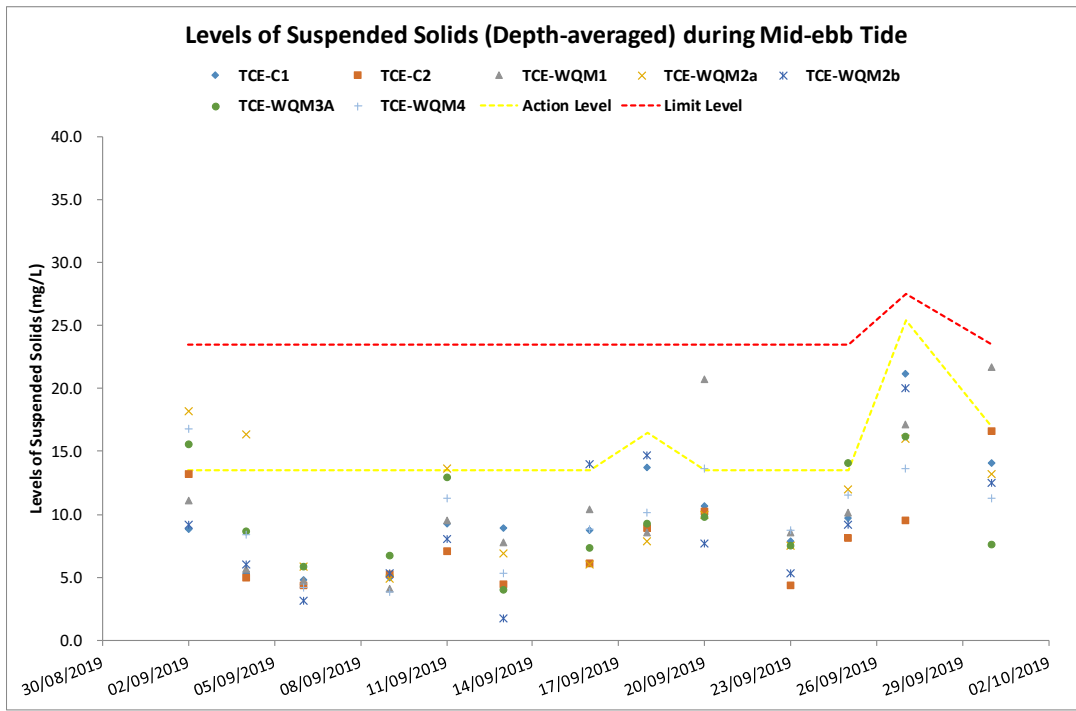


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 30 September 2019

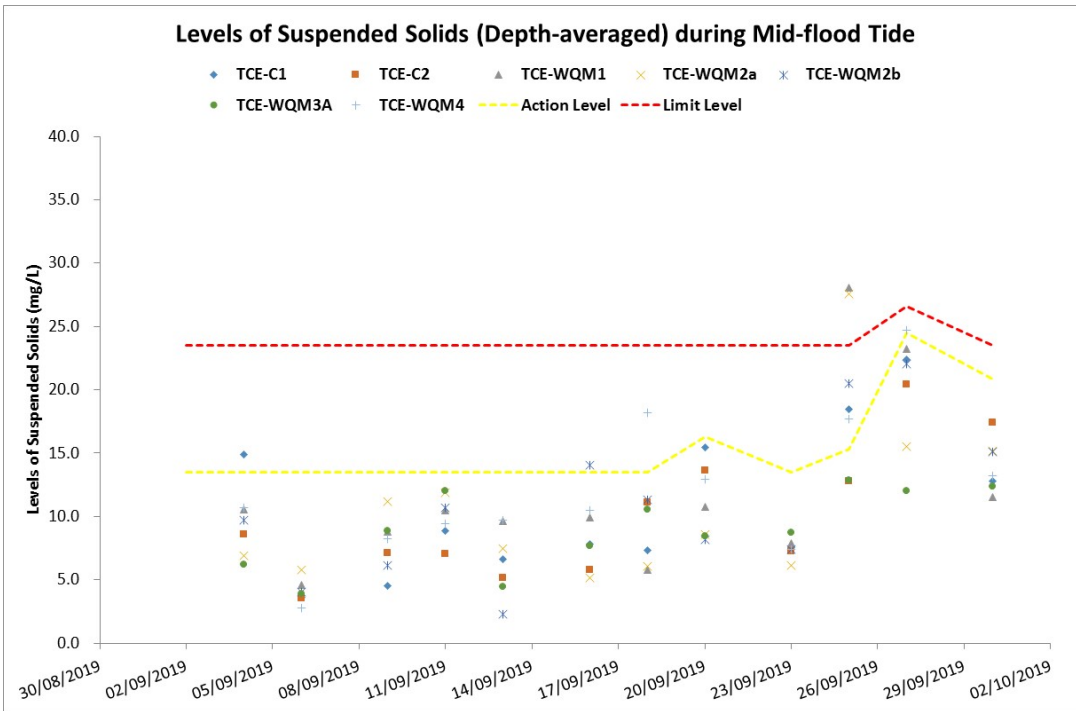


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 30 September 2019

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: September 2019

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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)			
02-09-2019	Mid-Ebb	TCE-C1	Rainy	Rough	15:00	7.8	Surface	1.0	1	27.6	7.9	25.6	5.6	82.6	2.5	8.5	5.7	3.5	8.8			
									2	27.6	7.9	25.6	5.6	82.7	2.5	9.4						
							Middle	3.9	1	27.6	8.0	25.8	5.7	83.2	3.0	8.0						
									2	27.6	8.0	25.8	5.7	83.2	2.9	8.7						
							Bottom	6.8	1	27.5	8.0	26.6	5.9	87.3	5.2	9.5						
									2	27.5	8.0	26.6	6.0	87.6	5.2	8.8						
		TCE-C2	Rainy	Rough	16:48	14.8	Surface	1.0	1	27.6	7.8	23.1	5.4	77.5	3.2	10.3	5.3	3.4	13.2			
									2	27.6	7.8	23.1	5.4	77.4	3.2	10.0						
							Middle	7.4	1	27.6	7.8	23.1	5.3	76.8	3.4	15.7						
									2	27.6	7.8	23.1	5.3	76.8	3.5	14.3						
							Bottom	13.8	1	27.6	7.8	23.2	5.3	76.8	3.7	15.2						
									2	27.6	7.8	23.2	5.3	77.0	3.7	13.8						
		TCE-WQM1	Rainy	Rough	14:20	9.5	Surface	1.0	1	27.7	7.7	23.1	5.6	80.9	4.4	10.0	5.7	5.0	11.1			
									2	27.7	7.7	23.1	5.6	81.0	4.4	9.0						
							Middle	4.8	1	27.7	7.7	23.3	5.8	84.0	5.1	10.2						
									2	27.7	7.7	23.3	5.8	84.2	5.1	11.0						
							Bottom	8.5	1	27.7	7.7	23.3	6.2	89.8	5.6	13.9						
									2	27.7	7.7	23.2	6.2	90.3	5.6	12.4						
		TCE-WQM2a	Rainy	Rough	16:14	8.9	Surface	1.0	1	27.7	7.7	22.9	5.5	79.4	5.1	11.8	5.4	7.5	18.2			
									2	27.7	7.7	22.9	5.5	79.4	5.1	11.8						
							Middle	4.5	1	27.6	7.7	23.1	5.4	77.7	7.3	14.9						
									2	27.6	7.7	23.1	5.4	77.7	7.4	14.2						
							Bottom	7.9	1	27.6	7.7	23.2	5.4	78.4	10.1	29.2						
									2	27.6	7.7	23.2	5.4	78.5	10.1	27.2						
		TCE-WQM2b	Rainy	Rough	16:28	11.5	Surface	1.0	1	27.6	7.8	23.1	5.5	79.1	2.7	8.9	5.5	2.8	9.2			
									2	27.6	7.8	23.1	5.5	79.1	2.7	7.9						
							Middle	5.8	1	27.6	7.8	23.1	5.5	80.1	3.1	8.6						
									2	27.6	7.8	23.1	5.6	80.1	3.1	7.9						
							Bottom	10.5	1	27.6	7.8	23.1	5.8	84.1	2.5	10.1						
									2	27.6	7.8	23.1	5.8	84.1	2.6	11.6						
		TCE-WQM3A	Rainy	Rough	16:03	3.6	Surface	1.0	1	27.7	7.9	22.0	5.3	75.9	3.8	14.4	5.3	6.6	15.6			
									2	27.7	7.9	21.9	5.3	75.9	3.8	15.9						
							Bottom	2.6	1	27.7	7.9	22.8	5.6	80.7	9.4	15.0						
									2	27.7	7.9	22.9	5.6	81.0	9.4	16.9						
							Surface	1.0	1	27.7	7.8	23.1	5.5	79.8	7.0	15.5				5.5	7.4	16.8
									2	27.7	7.8	23.1	5.5	79.9	7.0	16.5						
		Bottom	2.2	1	27.7	7.9	23.1	5.7	82.5	7.8	17.6											
				2	27.7	7.9	23.1	5.7	82.7	7.8	17.5											

Remarks: WQM during mid-flood tide was canceled due to Strong Wind Signal No.3

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
04-09-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	14:58	7.9	Surface	1.0	1	28.0	7.9	24.0	5.8	85.1	3.2	3.4	5.7	3.2	5.3								
									2	28.0	7.9	24.0	5.8	84.5	3.2	3.8											
							Middle	4.0	1	27.6	8.0	25.8	5.6	82.5	2.6	4.8											
									2	27.6	8.0	25.8	5.6	82.4	2.6	5.7											
							Bottom	6.9	1	27.5	8.0	28.3	5.6	83.3	3.7	7.5											
									2	27.5	8.0	28.2	5.7	83.8	3.7	6.5											
		TCE-C2	Cloudy	Rough	16:56	15.3	Surface	1.0	1	27.8	7.7	23.8	5.4	78.0	1.5	5.3	5.3	1.9	4.9								
									2	27.8	7.7	23.8	5.4	78.1	1.5	6.2											
							Middle	7.7	1	27.6	7.7	24.5	5.2	76.0	1.6	5.1											
									2	27.6	7.7	24.5	5.2	76.0	1.7	4.1											
							Bottom	14.3	1	27.5	7.6	24.9	5.2	75.9	2.6	4.5											
									2	27.5	7.6	24.9	5.2	76.0	2.5	4.4											
	TCE-WQM1	Cloudy	Rough	15:44	10.2	Surface	1.0	1	28.2	7.9	23.0	5.9	86.6	2.7	4.5	5.9	2.8	5.6									
								2	28.2	7.9	23.0	5.9	86.5	2.7	5.5												
						Middle	5.1	1	28.1	7.9	23.6	5.9	86.4	3.5	5.3												
								2	28.1	7.9	23.6	5.9	86.3	3.4	5.3												
						Bottom	9.2	1	28.1	7.9	23.7	6.1	88.6	2.3	6.3												
								2	28.1	7.9	23.7	6.1	88.6	2.3	6.9												
	TCE-WQM2a	Cloudy	Rough	16:20	8.5	Surface	1.0	1	27.8	7.7	23.7	5.4	78.1	9.3	13.7	5.3	9.6	16.4									
								2	27.8	7.7	23.7	5.4	78.1	9.3	12.8												
						Middle	4.3	1	27.6	7.7	24.4	5.2	75.6	11.9	12.7												
								2	27.6	7.7	24.4	5.2	75.6	12.0	14.7												
						Bottom	7.5	1	27.5	7.6	24.6	5.4	79.0	7.4	22.7												
								2	27.5	7.6	24.6	5.5	79.2	7.5	21.6												
TCE-WQM2b	Cloudy	Rough	16:32	11.5	Surface	1.0	1	28.0	7.7	22.4	5.6	80.7	1.7	6.0	5.6	1.5	6.0										
							2	28.0	7.7	22.3	5.6	80.7	1.7	5.0													
					Middle	5.8	1	27.9	7.7	23.4	5.5	80.5	1.4	6.5													
							2	27.9	7.7	23.4	5.5	80.5	1.4	5.8													
					Bottom	10.5	1	27.9	7.6	23.6	5.8	84.0	1.5	6.1													
							2	27.9	7.6	23.6	5.8	84.0	1.5	6.7													
TCE-WQM3A	Cloudy	Rough	16:09	4.5	Surface	1.0	1	27.9	7.7	22.4	5.5	79.4	4.3	8.2	5.5	4.1	8.7										
							2	27.9	7.7	22.4	5.5	79.5	4.3	8.4													
					Bottom	3.5	1	27.9	7.6	22.6	5.5	79.9	3.7	9.5													
							2	27.9	7.6	22.5	5.6	81.4	3.9	8.5													
					TCE-WQM4	Cloudy	Rough	15:57	3.6	Surface	1.0	1	28.1	7.6				23.1	5.7	83.2	5.4	5.6	5.7	6.4	8.4		
												2	28.1	7.6				23.1	5.7	83.1	5.4	6.6					
Bottom	2.6	1	27.9	7.5						23.1	6.0	86.6	7.3	11.0													
		2	27.9	7.5						23.1	6.0	86.6	7.4	10.3													
04-09-2019	Mid-Flood	TCE-C1	Rainy	Rough						11:03	7.5	Surface	1.0	1	28.1	7.9	24.0	5.8	85.3	1.7	5.4	5.8				2.9	14.9
														2	28.1	7.9	24.0	5.8	85.3	1.7	6.2						
					Middle	3.8	1	27.8	8.0			24.4	5.7	83.3	2.9	10.7											
							2	27.7	8.0			24.4	5.7	83.4	2.9	11.8											
					Bottom	6.5	1	27.4	8.0			28.2	5.6	82.9	4.0	27.6											
							2	27.4	8.0			28.3	5.7	83.6	4.0	27.5											
		TCE-C2	Rainy	Rough	9:19	14.2	Surface	1.0	1	27.5	7.8	23.9	5.2	74.7	3.3	8.0	5.1	4.2	8.6								
									2	27.5	7.8	23.9	5.2	74.7	3.3	8.7											
							Middle	7.1	1	27.4	7.9	24.7	5.0	71.7	4.8	8.6											
									2	27.4	7.9	24.7	5.0	71.8	4.9	7.7											
							Bottom	13.2	1	27.3	7.9	25.0	5.2	75.6	4.4	9.8											
									2	27.3	7.9	25.0	5.2	75.8	4.4	8.7											
	TCE-WQM1	Rainy	Rough	10:28	9.8	Surface	1.0	1	27.7	7.7	22.6	5.6	80.5	5.7	9.6	5.7	7.7	10.6									
								2	27.7	7.7	22.6	5.6	80.6	5.7	10.1												
						Middle	4.9	1	27.8	7.7	22.7	5.7	82.2	7.4	10.7												
								2	27.8	7.7	22.8	5.7	82.5	7.5	9.8												
						Bottom	8.8	1	27.7	7.7	23.2	5.9	85.1	9.8	11.3												
								2	27.7	7.7	23.2	5.9	85.1	9.8	11.9												
	TCE-WQM2a	Rainy	Rough	9:54	7.3	Surface	1.0	1	27.8	7.8	22.9	5.5	79.7	2.5	5.9	5.5	2.5	6.9									
								2	27.8	7.8	22.9	5.5	79.7	2.5	5.2												
						Middle	3.7	1	27.7	7.8	23.0	5.5	79.8	2.7	8.0												
								2	27.7	7.8	23.0	5.5	79.7	2.8	7.8												
						Bottom	6.3	1	27.7	7.8	23.1	5.6	81.2	2.1	7.5												
								2	27.7	7.8	23.1	5.6	81.4	2.1	7.2												
TCE-WQM2b	Rainy	Rough	9:41	10.3	Surface	1.0	1	27.8	7.6	23.3	5.4	78.2	5.3	7.3	5.4	6.3	9.7										
							2	27.8	7.6	23.3	5.4	78.2	5.3	8.3													
					Middle	5.2	1	27.7	7.6	23.4	5.4	77.9	6.4	11.5													
							2	27.7	7.6	23.4	5.4	78.1	6.4	10.6													
					Bottom	9.3	1	27.7	7.5	23.5	5.5	80.2	7.1	10.2													
							2	27.7	7.5	23.5	5.5	80.3	7.1	10.4													
TCE-WQM3A	Rainy	Rough	10:05	4.1	Surface	1.0	1	27.8	7.6	22.9	5.4	77.6	2.5	6.1	5.4	2.8	6.2										
							2	27.8	7.6	22.9	5.4	77.6	2.6	6.4													
					Bottom	3.1	1	27.7	7.4	23.2	6.0	86.5	3.0	6.7													
							2	27.7	7.4	23.2	6.1	87.4	3.0	5.7													
					TCE-WQM4	Rainy	Rough	10:16	3.9	Surface	1.0	1	27.7	7.7				23.2	5.6	80.6	7.9	7.1	5.6	9.5	10.7		
												2	27.7	7.7				23.2	5.6	80.7	7.9	7.5					
Bottom	2.9	1	27.7	7.6						23.3	5.6	80.9	11.1	14.7													
		2	27.7	7.6						23.3	5.6	81.2	11.2	13.4													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged												
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)										
06-09-2019	Mid-Ebb	TCE-C1	Fine	Moderate	16:57	7.8	Surface	1.0	1	27.3	8.1	26.6	6.0	88.3	2.7	3.9	5.8	5.3	4.8										
									2	27.3	8.1	26.5	6.0	88.3	2.7	4.2													
							Middle	3.9	1	26.9	8.2	29.0	5.5	81.1	4.7	4.2													
									2	26.9	8.2	29.0	5.5	81.1	4.7	4.3													
							Bottom	6.8	1	26.7	8.1	30.1	5.3	78.9	8.4	5.9													
									2	26.7	8.1	30.1	5.3	79.0	8.4	6.0													
		TCE-C2	Fine	Moderate	18:49	12.7	Surface	1.0	1	27.2	7.8	26.6	5.4	79.5	1.9	4.8	5.1	2.4	4.3										
									2	27.2	7.8	26.6	5.4	79.4	1.9	5.0													
							Middle	6.4	1	26.6	7.8	28.2	4.7	68.7	2.5	4.4													
									2	26.6	7.8	28.2	4.7	68.7	2.5	4.4													
							Bottom	11.7	1	26.5	7.8	29.0	4.6	67.8	3.0	3.8													
									2	26.5	7.8	29.0	4.7	68.0	3.0	3.5													
		TCE-WQM1	Fine	Calm	17:36	9.1	Surface	1.0	1	28.2	7.9	25.8	6.1	90.4	3.7	6.0	5.9	5.6	4.7										
									2	28.2	7.9	25.8	6.1	90.3	3.7	5.5													
							Middle	4.6	1	27.6	7.9	26.2	5.7	82.9	4.9	4.9													
									2	27.6	7.9	26.2	5.7	83.1	4.8	4.7													
							Bottom	8.1	1	27.3	7.9	26.4	5.4	79.5	7.8	3.2													
									2	27.3	7.9	26.4	5.4	79.6	8.4	3.7													
		TCE-WQM2a	Fine	Moderate	18:11	7.4	Surface	1.0	1	27.4	7.8	25.4	5.8	83.8	4.4	6.1	5.3	5.9	5.9										
									2	27.4	7.8	25.4	5.8	83.8	4.4	6.2													
							Middle	3.7	1	26.7	7.9	27.1	4.8	70.4	4.8	6.0													
									2	26.7	7.9	27.1	4.8	70.4	4.8	5.5													
							Bottom	6.4	1	26.6	7.8	27.6	4.8	70.3	8.6	5.6													
									2	26.6	7.8	27.6	4.8	70.4	8.5	5.9													
		TCE-WQM2b	Fine	Moderate	18:24	11.8	Surface	1.0	1	28.0	7.7	22.8	6.1	88.1	2.3	3.9	5.5	4.1	3.2										
									2	28.0	7.8	22.8	6.1	87.9	2.3	3.7													
							Middle	5.9	1	27.0	7.8	26.5	5.0	72.4	4.9	3.1													
									2	27.0	7.8	26.6	5.0	72.3	4.8	3.4													
							Bottom	10.8	1	26.5	7.9	28.9	4.6	67.9	5.1	2.2													
									2	26.5	7.8	28.9	4.7	68.1	5.1	2.6													
		TCE-WQM3A	Fine	Calm	18:00	4.3	Surface	1.0	1	27.4	7.8	25.0	5.6	81.8	5.7	4.6	5.6	9.0	5.8										
									2	27.4	7.8	25.0	5.6	81.8	5.6	5.2													
							Bottom	3.3	1	27.2	7.8	25.5	5.0	72.1	12.6	7.0													
									2	27.2	7.8	25.5	5.0	72.2	12.3	6.5													
							TCE-WQM4	Fine	Calm	17:49	2.9	Middle	1.5	1	28.1	7.8				25.4	6.4	95.0	2.7	4.0	6.4	2.7	4.2		
														2	28.1	7.8				25.4	6.4	94.9	2.7	4.4					
		06-09-2019	Mid-Flood	TCE-C1	Fine	Moderate						14:18	7.6	Surface	1.0	1	27.2	8.1	27.1	5.6	82.6	3.6	3.2	5.5				8.0	3.6
																2	27.3	8.1	27.0	5.6	82.7	3.5	3.0						
														Middle	3.8	1	26.8	8.3	29.1	5.3	77.8	9.6	3.7						
																2	26.8	8.3	29.2	5.3	77.7	9.8	3.6						
							Bottom	6.6	1	26.8	8.2			29.4	5.3	78.5	10.8	4.0											
									2	26.8	8.2			29.4	5.3	78.7	11.0	4.3											
				TCE-C2	Fine	Moderate	11:56	12.4	Surface	1.0	1	27.1	7.8	26.1	5.3	76.3	3.4	4.6	5.1	4.9	3.6								
											2	27.1	7.8	26.1	5.2	76.3	3.5	4.5											
									Middle	6.2	1	26.7	7.9	26.9	4.9	71.0	4.4	3.6											
											2	26.7	7.9	26.9	4.9	71.0	4.4	3.4											
									Bottom	11.4	1	26.5	8.0	29.0	4.7	68.0	6.7	2.7											
											2	26.5	8.0	29.0	4.7	68.2	6.7	2.5											
TCE-WQM1	Fine			Calm	13:11	8.8	Surface	1.0	1	28.2	7.9	25.3	6.0	87.8	4.1	2.7	5.9	7.8	4.6										
									2	28.2	7.9	25.3	6.0	87.8	4.1	3.0													
							Middle	4.4	1	27.6	8.0	25.8	5.8	85.2	6.4	5.0													
									2	27.7	8.0	25.8	5.8	85.2	6.2	5.5													
							Bottom	7.8	1	27.3	8.0	26.3	5.6	82.1	13.1	5.7													
									2	27.3	8.0	26.3	5.6	82.2	13.1	5.5													
TCE-WQM2a	Fine			Moderate	12:36	7.3	Surface	1.0	1	27.3	7.9	25.3	5.5	79.2	7.7	6.4	5.4	11.3	5.8										
									2	27.3	7.9	25.3	5.5	79.2	7.7	6.4													
							Middle	3.7	1	27.2	7.9	25.5	5.3	76.8	13.1	6.6													
									2	27.2	7.9	25.5	5.3	76.7	13.7	6.5													
							Bottom	6.3	1	26.9	7.9	26.2	5.0	72.1	12.9	4.8													
									2	26.8	7.9	26.2	5.0	72.2	12.8	3.8													
TCE-WQM2b	Fine			Moderate	12:22	11.5	Surface	1.0	1	27.6	7.8	25.5	5.4	79.2	2.7	5.6	5.3	6.4	4.1										
									2	27.6	7.8	25.5	5.4	79.1	2.7	5.5													
							Middle	5.8	1	27.1	7.8	26.3	5.1	75.0	5.6	4.0													
									2	27.2	7.8	26.3	5.2	75.0	5.5	3.8													
							Bottom	10.5	1	27.0	7.9	26.8	5.0	72.4	10.9	2.9													
									2	27.0	7.9	26.8	5.0	72.5	10.8	2.5													
TCE-WQM3A	Fine			Calm	12:48	4.0	Surface	1.0	1	27.5	7.9	24.8	5.4	78.3	11.2	4.2	5.4	9.7	3.9										
									2	27.4	7.9	24.8	5.4	77.9	11.2	4.3													
							Bottom	3.0	1	27.2	7.9	25.4	4.9	70.9	7.5	3.5													
									2	27.2	7.9	25.4	4.9	70.3	9.1	3.7													
							TCE-WQM4	Fine	Calm	12:59	2.8	Middle	1.4	1	27.3	7.9				25.4	5.6	81.1	6.2	2.6	5.6	6.1	2.8		
														2	27.3	7.9				25.4	5.6	81.1	6.0	3.0					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged											
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)									
09-09-2019	Mid-Ebb	TCE-C1	Fine	Moderate	11:08	7.1	Surface	1.0	1	29.2	7.7	14.4	10.8	152.8	3.0	5.3	9.0	5.1	5.0									
									2	29.2	7.7	14.5	10.8	2.9	6.0													
							Middle	3.6	1	28.4	7.6	20.1	7.3	104.8	2.4	4.7												
									2	28.3	7.6	20.2	7.3	104.5	2.9	4.8												
							Bottom	6.1	1	27.4	7.6	27.7	5.6	82.7	9.6	4.5												
									2	27.4	7.6	27.7	5.6	83.1	9.6	4.4												
		TCE-C2	Fine	Calm	8:58	12.5	Surface	1.0	1	28.7	7.8	20.5	8.1	117.8	1.5	6.3	6.8	1.8	5.2									
									2	28.7	7.9	20.6	8.1	117.5	1.6	6.6												
							Middle	6.3	1	27.6	8.1	26.1	5.4	79.4	1.7	4.9												
									2	27.6	8.1	26.3	5.4	79.0	1.7	4.6												
							Bottom	11.5	1	27.4	8.1	27.4	5.4	79.6	2.0	4.6												
									2	27.4	8.1	27.3	5.6	81.9	2.1	4.2												
		TCE-WQM1	Fine	Calm	10:17	8.2	Surface	1.0	1	29.0	7.7	21.3	9.3	136.4	3.4	2.9	7.3	5.7	4.1									
									2	29.0	7.7	21.4	9.3	135.5	3.4	2.6												
							Middle	4.1	1	27.2	7.7	28.3	5.3	78.4	6.2	3.7												
									2	27.2	7.7	28.3	5.3	78.6	6.4	4.4												
							Bottom	7.2	1	27.2	7.7	28.4	5.6	82.0	7.3	5.4												
									2	27.2	7.7	28.4	5.6	82.9	7.2	5.6												
	TCE-WQM2a	Fine	Moderate	9:41	7.8	Surface	1.0	1	28.8	7.0	20.4	10.1	145.9	2.2	4.3	9.0	7.9	4.9										
								2	28.8	7.0	20.4	10.1	145.9	2.2	4.5													
						Middle	3.9	1	28.5	6.9	23.2	7.9	116.4	8.5	4.5													
								2	28.5	6.9	23.1	7.9	116.2	8.3	4.8													
						Bottom	6.8	1	28.1	6.9	26.7	5.8	86.6	13.0	5.8													
								2	28.1	6.9	26.7	5.9	87.4	12.9	5.3													
	TCE-WQM2b	Fine	Moderate	9:28	10.8	Surface	1.0	1	28.7	6.9	18.0	7.8	111.4	2.1	6.5	6.9	3.2	5.3										
								2	28.7	6.9	18.1	7.8	111.0	2.1	7.2													
						Middle	5.4	1	28.0	6.9	23.5	6.0	86.9	3.0	5.0													
								2	27.9	6.9	23.5	6.0	86.7	3.3	5.0													
						Bottom	9.8	1	27.1	6.9	29.8	5.4	79.9	4.3	3.9													
								2	27.1	6.9	29.8	5.4	80.6	4.6	4.4													
	TCE-WQM3A	Fine	Calm	9:53	3.7	Surface	1.0	1	28.7	6.8	20.2	7.8	112.2	3.3	7.1	7.8	5.4	6.8										
								2	28.6	6.8	20.3	7.8	112.1	3.8	6.7													
						Bottom	2.7	1	28.5	6.9	21.5	7.3	106.2	7.2	6.5													
								2	28.5	6.9	21.5	7.3	106.5	7.3	6.7													
						TCE-WQM4	Fine	Calm	10:05	3.3	Surface	1.0	1	29.1	7.6				22.8	8.7	129.0	5.8	4.1	8.7	7.7	3.8		
													2	29.1	7.6				22.8	8.8	129.1	6.2	3.6					
	Bottom	2.3	1	28.8	7.4						24.2	6.7	98.6	9.4	3.6													
			2	28.8	7.4						24.2	6.6	98.1	9.4	4.0													
	09-09-2019	Mid-Flood	TCE-C1	Sunny	Moderate						16:01	7.3	Surface	1.0	1	29.1	8.3	18.2	9.0	129.1	5.3	4.4	7.5				8.3	4.5
															2	29.1	8.3	18.2	9.0	128.8	5.3	4.9						
						Middle	3.7	1	27.5	8.4			25.5	6.0	86.9	8.2	4.7											
								2	27.4	8.4			25.4	6.0	86.8	8.5	4.8											
						Bottom	6.3	1	27.2	8.4			28.4	5.5	80.5	11.1	4.4											
								2	27.2	8.4			28.4	5.5	80.8	11.3	3.8											
			TCE-C2	Fine	Moderate	18:00	12.5	Surface	1.0	1	28.1	7.7	24.4	7.9	115.1	3.0	5.0	6.6	4.8	7.1								
										2	28.1	7.7	24.4	7.8	114.8	3.0	5.2											
								Middle	6.3	1	27.3	7.6	29.1	5.3	79.3	4.1	6.7											
										2	27.3	7.6	29.2	5.3	79.2	4.3	6.4											
Bottom								11.5	1	27.1	7.6	30.2	5.6	83.0	7.0	10.0												
									2	27.1	7.6	30.2	5.6	83.8	7.1	9.3												
TCE-WQM1			Sunny	Moderate	16:44	7.9	Surface	1.0	1	29.8	8.0	21.3	14.9	223.2	6.2	9.4	14.1	7.8	8.8									
									2	29.7	8.0	21.4	14.9	222.4	6.2	9.7												
							Middle	4.0	1	29.5	7.9	22.3	13.2	197.8	7.8	8.3												
									2	29.5	7.9	22.4	13.2	198.4	7.6	8.5												
							Bottom	6.9	1	28.8	7.8	23.6	10.6	156.1	9.6	8.7												
									2	28.9	7.8	23.6	10.6	156.3	9.4	8.3												
TCE-WQM2a	Fine	Moderate	17:20	7.4	Surface	1.0	1	29.1	7.9	20.4	11.8	172.9	6.5	10.1	11.0	6.8	11.2											
							2	29.1	7.9	20.4	11.8	172.9	6.5	10.6														
					Middle	3.7	1	28.5	7.8	23.2	10.3	150.3	3.7	10.6														
							2	28.5	7.8	23.2	10.1	149.6	4.1	11.1														
					Bottom	6.4	1	27.9	7.7	24.8	6.7	97.7	10.0	12.3														
							2	27.9	7.7	24.8	6.7	97.9	10.2	12.2														
TCE-WQM2b	Fine	Moderate	17:32	10.6	Surface	1.0	1	29.1	7.8	20.7	11.0	161.0	2.8	7.1	8.2	8.8	6.2											
							2	29.1	7.8	20.7	11.0	160.8	2.8	7.3														
					Middle	5.3	1	27.6	7.7	26.8	5.5	80.5	10.4	5.5														
							2	27.6	7.7	26.9	5.5	80.5	10.8	5.8														
					Bottom	9.6	1	27.4	7.7	27.6	5.5	81.5	13.1	5.8														
							2	27.4	7.7	27.7	5.6	81.9	13.0	5.5														
TCE-WQM3A	Sunny	Calm	17:09	3.4	Surface	1.0	1	29.7	7.8	19.6	14.0	207.4	5.3	9.7	14.0	6.8	8.9											
							2	29.7	7.8	19.6	14.0	207.3	5.5	9.1														
					Bottom	2.4	1	29.5	7.8	19.9	13.3	197.0	8.2	8.4														
							2	29.5	7.8	19.9	13.3	196.6	8.4	8.2														
					TCE-WQM4	Sunny	Calm	16:57	2.7	Middle	1.4	1	28.9	7.8				21.3	10.7	156.0	13.3	8.4	10.7	13.2	8.2			
												2	28.9	7.8				21.3	10.8	157.1	13.1	8.0						

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

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
11-09-2019	Mid-Ebb	TCE-C1	Fine	Moderate	13:08	7.7	Surface	1.0	1	29.7	8.3	19.6	11.9	174.7	2.9	9.1	9.0	7.7	9.2		
									2	29.7	8.3	19.6	11.9	174.5	3.2	9.7					
							Middle	3.9	1	27.8	8.2	26.7	6.2	91.4	6.9	9.2					
									2	27.8	8.2	26.7	6.2	91.4	7.2	9.4					
							Bottom	6.7	1	27.7	8.2	27.4	6.0	88.4	12.9	8.9					
									2	27.7	8.2	27.4	6.0	88.9	13.2	9.0					
		TCE-C2	Fine	Moderate	10:40	12.7	Surface	1.0	1	28.6	8.1	23.1	8.6	126.8	2.7	8.7	7.2	5.0	7.1		
									2	28.6	8.1	23.2	8.6	126.2	2.8	9.7					
							Middle	6.4	1	27.8	8.1	27.9	5.8	86.7	3.1	6.3					
									2	27.8	8.1	27.9	5.8	86.3	3.2	6.5					
							Bottom	11.7	1	27.7	8.1	28.7	5.5	82.4	9.1	5.1					
									2	27.7	8.1	28.6	5.5	82.6	9.4	6.1					
		TCE-WQM1	Fine	Moderate	12:14	8.0	Surface	1.0	1	29.1	8.3	22.9	9.2	135.8	4.3	8.8	8.0	7.6	9.5		
									2	29.1	8.3	22.9	9.2	135.6	4.5	9.3					
							Middle	4.0	1	28.1	8.1	24.7	6.7	98.6	7.6	9.8					
									2	28.1	8.1	24.7	6.7	98.3	7.7	9.1					
							Bottom	7.0	1	28.0	8.1	25.3	6.4	94.1	10.9	10.6					
									2	28.0	8.1	25.3	6.4	94.4	10.8	9.6					
		TCE-WQM2a	Fine	Moderate	11:34	7.8	Surface	1.0	1	28.8	8.0	23.8	8.6	126.6	7.7	15.6	8.2	8.6	13.6		
									2	28.8	8.0	23.8	8.6	126.6	7.7	15.3					
							Middle	3.9	1	28.5	8.0	24.5	7.9	116.1	9.6	14.4					
									2	28.5	8.0	24.4	7.9	116.2	9.9	12.7					
							Bottom	6.8	1	28.2	8.0	25.4	7.2	105.7	8.5	11.0					
									2	28.2	8.0	25.4	7.1	105.5	8.3	12.6					
		TCE-WQM2b	Fine	Moderate	11:20	11.2	Surface	1.0	1	28.7	8.4	22.8	8.2	120.8	2.9	8.0	7.7	4.9	8.0		
									2	28.7	8.4	22.9	8.2	120.5	3.0	8.9					
							Middle	5.6	1	28.4	8.4	23.9	7.3	106.7	5.6	8.3					
									2	28.4	8.4	23.9	7.3	106.7	5.8	7.4					
							Bottom	10.2	1	28.4	8.3	23.9	7.3	106.6	6.2	7.7					
									2	28.4	8.3	23.9	7.3	106.7	6.1	7.9					
		TCE-WQM3A	Fine	Moderate	11:47	3.5	Surface	1.0	1	28.4	7.9	23.4	6.8	100.3	7.2	9.8	6.8	8.6	13.0		
									2	28.4	7.9	23.5	6.8	99.7	7.3	8.9					
							Bottom	2.5	1	28.2	7.9	24.6	5.7	83.8	10.1	17.5					
									2	28.2	7.9	24.6	5.7	84.0	10.0	15.6					
							Middle	1.4	1	28.7	8.0	23.6	8.5	125.9	8.7	10.7					
									2	28.7	8.0	23.6	8.6	126.0	9.1	11.9					
		11-09-2019	Mid-Flood	TCE-C1	Fine	Moderate	17:00	7.2	Surface	1.0	1	29.3	8.3	22.0	10.8	158.8	4.0	8.4	9.7	7.4	8.9
											2	29.3	8.3	22.1	10.7	158.2	4.1	9.2			
									Middle	3.6	1	28.8	8.3	24.0	8.8	129.5	5.0	9.5			
											2	28.8	8.3	24.1	8.7	128.7	5.1	8.5			
									Bottom	6.2	1	27.8	8.3	27.3	6.1	89.9	13.1	9.2			
											2	27.8	8.2	27.3	6.1	90.2	13.3	8.3			
				TCE-C2	Fine	Moderate	18:55	12.6	Surface	1.0	1	28.4	7.9	25.2	7.4	109.7	3.9	7.9	6.4	6.7	7.1
											2	28.2	7.9	25.3	7.3	107.8	3.8	7.2			
									Middle	6.3	1	27.7	7.9	29.1	5.5	82.7	6.1	7.4			
											2	27.7	7.9	29.2	5.5	82.2	6.1	6.7			
									Bottom	11.6	1	27.6	7.9	29.5	5.4	81.3	10.2	6.1			
											2	27.7	7.9	29.4	5.5	81.6	10.2	7.1			
TCE-WQM1	Fine			Calm	17:39	7.7	Surface	1.0	1	29.8	8.1	22.8	10.8	161.9	6.2	11.1	10.0	8.7	10.5		
									2	29.7	8.1	22.9	10.8	161.3	7.1	10.5					
							Middle	3.9	1	29.2	8.0	23.7	9.3	137.7	8.4	10.3					
									2	29.2	8.0	23.7	9.2	137.5	8.2	11.4					
							Bottom	6.7	1	29.1	8.0	23.8	8.6	127.8	11.3	9.6					
									2	29.1	8.0	23.8	8.6	128.1	11.3	9.9					
TCE-WQM2a	Fine			Moderate	18:15	7.5	Surface	1.0	1	29.0	8.0	23.5	9.6	141.7	7.1	13.9	8.9	8.5	11.9		
									2	29.0	8.0	23.5	9.6	141.7	7.1	12.9					
							Middle	3.8	1	28.6	8.0	24.3	8.2	120.7	7.8	11.4					
									2	28.5	8.0	24.6	8.1	119.7	7.8	11.5					
							Bottom	6.5	1	28.1	8.0	25.6	6.2	91.2	10.7	11.2					
									2	28.1	7.9	25.6	6.2	91.7	10.2	10.4					
TCE-WQM2b	Fine			Moderate	18:24	10.5	Surface	1.0	1	28.6	7.9	24.0	8.5	124.8	5.8	6.8	7.6	8.2	10.7		
									2	28.6	7.9	24.3	8.4	124.3	5.8	6.9					
							Middle	5.3	1	28.2	7.9	25.8	6.7	99.1	6.7	12.2					
									2	28.2	7.9	25.8	6.7	99.2	6.4	13.5					
							Bottom	9.5	1	28.2	7.9	25.9	6.7	99.8	12.5	12.3					
									2	28.2	7.9	25.8	6.8	100.4	12.2	12.3					
TCE-WQM3A	Fine			Calm	18:03	3.5	Surface	1.0	1	29.3	8.0	22.9	9.9	147.1	5.6	13.6	9.9	5.8	12.0		
									2	29.3	8.0	22.9	9.8	145.8	5.7	12.1					
							Bottom	2.5	1	29.2	8.0	23.1	9.6	142.6	6.0	11.1					
									2	29.2	8.0	23.1	9.6	141.5	6.1	11.2					
							Middle	1.3	1	29.2	8.1	22.9	10.1	149.4	6.0	9.5					
									2	29.2	8.1	22.9	10.0	148.4	6.1	9.4					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
13-09-2019	Mid-Ebb	TCE-C1	Fine	Moderate	13:58	7.6	Surface	1.0	1	29.3	7.8	24.0	6.7	99.6	3.8	7.4	6.1	6.2	8.9
									2	29.3	7.8	24.0	6.7	99.2	3.8	7.7			
							Middle	3.8	1	28.2	7.9	26.9	5.5	81.6	5.6	9.0			
									2	28.2	7.9	26.9	5.5	81.7	5.5	8.5			
							Bottom	6.6	1	28.2	7.9	27.0	5.6	83.7	9.0	10.0			
									2	28.2	7.9	27.0	5.6	83.9	9.3	11.0			
		TCE-C2	Fine	Moderate	11:30	13.0	Surface	1.0	1	28.9	8.0	23.8	7.1	104.8	3.9	3.8	6.3	5.1	4.4
									2	28.9	8.0	23.8	7.1	104.6	4.0	4.8			
							Middle	6.5	1	28.0	8.1	28.0	5.5	81.3	3.9	4.0			
									2	28.0	8.1	28.0	5.4	81.2	4.0	4.9			
							Bottom	12.0	1	27.8	8.1	29.3	5.0	74.4	7.5	4.7			
									2	27.8	8.1	29.3	5.0	74.5	7.5	4.3			
	TCE-WQM1	Fine	Calm	13:02	9.1	Surface	1.0	1	29.2	7.8	23.9	7.5	111.5	6.0	7.0	7.3	7.3	7.8	
								2	29.2	7.8	23.9	7.5	111.4	6.1	8.0				
						Middle	4.6	1	29.0	7.9	24.1	7.2	107.1	6.5	7.9				
								2	29.0	7.9	24.1	7.2	106.8	6.5	7.7				
						Bottom	8.1	1	28.6	7.9	25.0	6.4	95.3	9.1	8.3				
								2	28.6	7.9	25.0	6.4	95.3	9.9	7.6				
	TCE-WQM2a	Fine	Moderate	12:25	7.3	Surface	1.0	1	29.5	7.8	24.0	7.4	111.4	5.9	4.4	7.1	7.0	6.9	
								2	29.5	7.8	24.0	7.4	111.4	5.9	5.4				
						Middle	3.7	1	28.9	7.9	24.9	6.8	102.0	6.8	6.8				
								2	28.9	7.9	24.9	6.8	101.7	6.8	7.7				
						Bottom	6.3	1	28.3	7.9	26.6	6.1	90.5	8.5	9.0				
								2	28.3	7.9	26.6	6.1	90.5	8.2	8.0				
TCE-WQM2b	Fine	Moderate	12:13	11.2	Surface	1.0	1	29.4	7.9	22.9	7.5	110.8	2.6	2.2	7.3	4.9	1.8		
							2	29.5	7.9	22.9	7.5	110.7	2.6	1.6					
					Middle	5.6	1	28.9	8.0	23.6	7.0	104.1	5.2	1.3					
							2	28.9	8.0	23.6	7.1	104.4	5.2	1.9					
					Bottom	10.2	1	28.7	8.0	24.4	6.6	97.8	6.7	2.1					
							2	28.7	8.0	24.4	6.6	97.8	6.8	1.5					
TCE-WQM3A	Fine	Calm	12:37	4.1	Surface	1.0	1	29.3	7.8	23.0	7.1	105.1	4.1	3.7	7.1	5.7	4.0		
							2	29.3	7.8	23.0	7.1	104.9	4.1	3.5					
					Bottom	3.1	1	28.6	7.8	24.6	6.0	88.7	7.3	3.9					
							2	28.6	7.8	24.6	6.0	88.7	7.3	4.9					
							1	29.1	8.0	23.7	7.4	110.4	9.6	6.0					
							2	29.1	8.0	23.7	7.4	110.5	9.8	5.8					
TCE-WQM4	Fine	Calm	12:50	3.2	Surface	1.0	1	29.1	8.0	23.7	7.4	110.4	9.6	6.0	7.4	9.6	5.4		
							2	29.1	8.0	23.7	7.4	110.5	9.8	5.8					
					Bottom	2.2	1	29.1	8.0	23.8	7.3	108.3	9.4	5.1					
							2	29.1	8.0	23.8	7.3	108.3	9.4	5.1					
							1	29.1	8.0	23.9	7.3	108.3	9.7	4.5					
							2	29.1	8.0	23.9	7.3	108.3	9.7	4.5					
13-09-2019	Mid-Flood	TCE-C1	Fine	Moderate	17:48	7.2	Surface	1.0	1	29.1	7.8	23.5	6.5	96.4	5.7	6.6	6.3	6.4	6.6
									2	29.1	7.8	23.5	6.5	96.4	5.7	6.0			
							Middle	3.6	1	28.8	7.9	24.1	6.1	89.7	6.5	6.1			
									2	28.8	7.9	24.1	6.1	89.7	6.5	6.7			
							Bottom	6.2	1	28.5	7.9	25.7	5.8	85.3	7.2	7.3			
									2	28.5	7.9	25.7	5.8	85.6	6.9	6.9			
		TCE-C2	Cloudy	Moderate	19:56	11.8	Surface	1.0	1	28.5	7.8	25.6	6.0	89.3	4.1	4.8	5.5	7.1	5.1
									2	28.5	7.8	25.6	6.0	89.0	4.1	5.8			
							Middle	5.9	1	27.8	7.9	29.1	5.0	75.1	7.6	4.5			
									2	27.8	7.9	29.1	5.0	75.1	7.7	4.9			
							Bottom	10.8	1	27.8	7.9	29.2	4.9	73.8	9.4	5.7			
									2	27.8	7.9	29.2	4.9	73.9	9.6	5.1			
		TCE-WQM1	Cloudy	Calm	18:34	8.4	Surface	1.0	1	29.5	7.8	23.7	7.6	114.2	7.7	7.7	7.6	8.9	9.6
									2	29.5	7.8	23.7	7.6	114.2	7.7	7.1			
							Middle	4.2	1	29.5	7.8	23.8	7.5	112.5	8.1	8.8			
									2	29.5	7.8	23.8	7.5	112.5	8.1	7.8			
							Bottom	7.4	1	29.3	7.8	24.0	7.3	108.6	10.9	12.7			
									2	29.3	7.8	24.0	7.3	108.8	10.7	13.7			
		TCE-WQM2a	Cloudy	Moderate	19:11	6.7	Surface	1.0	1	29.0	7.8	24.3	6.7	100.2	10.1	7.4	6.5	10.1	7.5
									2	29.0	7.8	24.3	6.7	100.2	10.1	8.3			
							Middle	3.4	1	28.8	7.8	24.8	6.2	92.4	11.5	8.1			
									2	28.8	7.8	24.8	6.2	92.4	11.5	7.1			
							Bottom	5.7	1	28.6	7.8	25.2	6.1	89.9	8.6	7.0			
									2	28.6	7.8	25.2	6.1	90.0	8.7	6.8			
	TCE-WQM2b	Cloudy	Moderate	19:22	10.6	Surface	1.0	1	28.7	7.8	24.9	6.1	89.8	6.9	3.4	6.0	8.3	2.3	
								2	28.7	7.8	24.9	6.1	89.8	7.0	2.4				
						Middle	5.3	1	28.6	7.8	25.1	6.0	88.3	8.1	2.3				
								2	28.6	7.8	25.2	6.0	88.3	8.2	1.5				
						Bottom	9.6	1	28.6	7.8	25.2	6.0	88.3	9.7	1.9				
								2	28.6	7.8	25.2	6.0	88.3	9.7	2.0				
	TCE-WQM3A	Cloudy	Calm	18:59	3.7	Surface	1.0	1	29.0	7.8	24.1	6.9	102.1	5.5	4.5	6.9	6.9	4.4	
								2	29.0	7.8	24.1	6.9	102.1	5.6	3.6				
						Bottom	2.7	1	29.0	7.8	24.2	6.8	101.5	8.2	5.3				
								2	29.0	7.8	24.2	6.8	101.5	8.2	4.3				
								1	29.1	7.8	24.2	7.0	103.5	8.4	7.2				
								2	29.1	7.8	24.2	7.0	103.5	8.4	7.5				
	TCE-WQM4	Cloudy	Calm	18:47	3.0	Surface	1.0	1	29.1	7.8	24.2	7.0	103.5	8.4	7.2	7.0	8.6	9.7	
								2	29.1	7.8	24.2	7.0	103.5	8.4	7.5				
						Bottom	2.0	1	29.1	7.8	24.2	7.0	103.9	8.8	12.6				
								2	29.1	7.8	24.2	7.0	103.9	8.7	11.5				

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged											
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)									
16-09-2019	Mid-Ebb	TCE-C1	Fine	Moderate	12:28	7.5		Surface	1	29.4	8.0	23.0	5.2	76.9	3.0	10.0												
									2	29.4	8.0	23.0	5.2	76.9	3.1	10.8												
								Middle	3.8	1	29.1	8.0	24.9	4.7	70.1	5.3				7.9	4.9							
									2	29.1	8.0	24.9	4.7	70.2	5.2	8.3												
								Bottom	6.5	1	28.7	8.0	28.6	3.9	58.9	8.6				8.2	3.9							
									2	28.7	8.0	28.6	3.9	58.9	8.6	7.1												
	TCE-C2	Fine	Moderate	14:15	12.1		Surface	1	30.2	8.0	24.0	5.2	79.0	4.1	6.2													
								2	30.2	8.0	24.0	5.2	78.9	4.1	5.7													
							Middle	6.1	1	29.9	8.0	24.5	5.0	76.2	4.9				5.1	5.1								
								2	29.9	8.0	24.5	5.0	76.2	4.9	5.6													
							Bottom	11.1	1	29.3	8.0	25.7	4.7	70.4	8.4				6.4	4.7								
								2	29.3	8.0	25.7	4.7	70.5	8.5	7.4													
TCE-WQM1	Fine	Calm	13:08	8.8		Surface	1	29.9	8.0	24.0	5.0	75.4	7.4	10.5														
							2	29.9	8.0	24.0	5.0	75.4	7.5	11.4														
						Middle	4.4	1	29.8	8.0	24.1	4.9	74.2	9.1				11.0	5.0									
							2	29.8	8.0	24.1	4.9	74.2	9.2	11.6														
						Bottom	7.8	1	29.8	8.0	24.3	4.9	74.2	11.7				9.0	4.9									
							2	29.8	8.0	24.3	4.9	74.3	11.6	8.8														
TCE-WQM2a	Fine	Moderate	13:41	7.3		Surface	1	29.7	8.0	24.3	5.0	75.2	6.6	6.0														
							2	29.7	8.0	24.3	5.0	75.2	6.6	7.0														
						Middle	3.7	1	29.5	8.0	24.6	4.9	73.4	7.4				6.4	4.9									
							2	29.5	8.0	24.6	4.9	73.3	7.4	6.0														
						Bottom	6.3	1	29.2	8.0	26.0	4.6	69.5	9.5				5.8	4.6									
							2	29.2	8.0	26.0	4.6	69.6	9.2	4.7														
TCE-WQM2b	Fine	Moderate	13:54	11.0		Surface	1	30.0	8.0	22.8	5.4	80.8	3.6	15.3														
							2	30.0	8.0	22.8	5.4	80.8	3.6	17.1														
						Middle	5.5	1	29.6	8.0	23.9	4.9	73.4	7.4				13.6	5.1									
							2	29.6	8.0	23.9	4.9	73.4	7.3	14.9														
						Bottom	10.0	1	29.5	8.0	24.2	4.9	72.9	10.3				11.0	4.9									
							2	29.5	8.0	24.2	4.9	73.0	10.4	12.2														
TCE-WQM3A	Fine	Calm	13:30	4.3		Surface	1	30.2	8.0	22.9	5.8	86.8	2.4	5.9														
							2	30.2	8.0	22.9	5.8	86.5	2.5	6.8														
						Bottom	3.3	1	29.6	8.0	23.8	4.7	70.7	7.2				8.4	4.7									
							2	29.6	8.0	23.8	4.7	70.8	7.3	8.1														
						TCE-WQM4	Fine	Calm	13:18	3.1		Surface	1	29.9				8.0	23.6	5.1	77.3	4.0	8.3					
													2	29.9				8.0	23.6	5.2	77.6	4.2	7.3					
Bottom	2.1	1	30.0	8.0	23.6							5.2	78.7	7.9	9.6	5.2												
	2	30.1	8.0	23.6	5.3							79.1	7.5	10.1														
16-09-2019	Mid-Flood	TCE-C1	Cloudy	Moderate	9:12							7.4		Surface	1	29.2	8.0	23.3	4.8	71.5	6.0	9.3						
															2	29.2	8.0	23.3	4.8	71.4	6.0	8.7						
						Middle	3.7	1	29.0	8.1	27.4			4.1	61.7	7.2	4.9	4.5										
							2	29.0	8.1	27.4	4.1			61.7	7.2	5.2												
						Bottom	6.4	1	28.9	8.1	27.8			4.1	61.8	11.7	9.9	4.1										
							2	28.9	8.1	27.8	4.1			61.8	11.6	8.9												
		TCE-C2	Cloudy	Moderate	7:08	12.6		Surface	1	29.3	7.9	24.9	4.7	70.9	5.0	5.0												
									2	29.3	7.9	24.9	4.7	70.9	4.9	5.8												
								Middle	6.3	1	29.0	7.9	26.5	4.4	66.5	7.1				5.0	4.6							
									2	29.0	7.9	26.5	4.4	66.5	6.9	5.9												
								Bottom	11.6	1	28.8	7.9	27.3	4.3	65.2	9.9				6.9	4.3							
									2	28.8	7.9	27.3	4.3	65.3	9.9	6.0												
	TCE-WQM1	Cloudy	Calm	8:22	9.5		Surface	1	29.7	8.0	23.5	5.1	76.6	4.0	9.4													
								2	29.7	8.0	23.5	5.1	76.6	4.0	9.6													
							Middle	4.8	1	29.8	8.0	23.6	5.1	75.7	6.3				9.8	5.1								
								2	29.8	8.0	23.6	5.0	75.7	6.3	10.8													
							Bottom	8.5	1	29.8	8.0	23.8	4.9	74.1	10.5				9.6	4.9								
								2	29.8	8.0	23.8	4.9	74.2	10.4	10.1													
	TCE-WQM2a	Cloudy	Moderate	7:46	7.1		Surface	1	29.6	8.0	23.8	4.8	72.1	4.5	5.4													
								2	29.6	8.0	23.8	4.8	72.1	4.5	6.3													
							Middle	3.6	1	29.5	8.0	24.5	4.6	69.4	7.7				4.8	4.7								
								2	29.5	8.0	24.5	4.6	69.3	7.7	4.4													
							Bottom	6.1	1	29.3	8.0	25.2	4.5	67.3	10.1				5.2	4.5								
								2	29.3	8.0	25.3	4.5	67.4	10.2	5.0													
TCE-WQM2b	Cloudy	Moderate	7:32	10.7		Surface	1	29.4	8.0	24.4	4.7	69.7	8.0	14.4														
							2	29.4	8.0	24.4	4.7	69.7	8.0	13.6														
						Middle	5.4	1	29.4	8.0	24.7	4.6	68.4	11.0				15.1	4.6									
							2	29.4	8.0	24.7	4.6	68.4	11.1	15.0														
						Bottom	9.7	1	29.4	8.0	24.8	4.6	68.4	13.7				13.0	4.6									
							2	29.4	8.0	24.8	4.6	68.4	13.8	13.2														
TCE-WQM3A	Cloudy	Calm	7:58	4.2		Surface	1	29.5	8.0	23.5	4.9	72.7	5.9	9.5														
							2	29.5	8.0	23.5	4.9	72.7	5.9	8.5														
						Bottom	3.2	1	29.5	8.0	23.6	4.8	71.8	8.4				6.3	4.9									
							2	29.5	8.0	23.6	4.8	71.9	8.4	6.3														
						TCE-WQM4	Cloudy	Calm	8:10	3.4		Surface	1	29.6				8.0	23.5	5.1	76.1	5.8	9.9					
													2	29.6				8.0	23.5	5.1	76.1	5.8	10.2					
Bottom	2.4	1	29.6	8.0	23.5							5.1	75.8	9.4	11.7	5.1												
	2	29.6	8.0	23.5	5.1							75.8	9.3	10.1														

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)
18-09-2019	Mid-Ebb	TCE-C1	Cloudy	Rough	13:30	7.7	Surface	1.0	1	29.6	7.8	22.2	4.8	70.5	2.3	12.6	4.5	4.6	13.7
									2	29.6	7.8	22.2	4.8	70.5	2.3	11.1			
							Middle	3.9	1	28.7	7.9	27.3	4.2	63.5	5.3	13.7			
									2	28.7	7.9	27.3	4.2	63.5	5.3	12.8			
							Bottom	6.7	1	28.7	7.9	28.3	4.3	64.5	6.0	16.6			
									2	28.7	7.9	28.3	4.3	64.7	6.1	15.6			
				2	29.6	7.7	25.2	5.1	77.2	2.0	8.5								
				2	30.4	7.8	23.6	5.1	77.0	2.0	9.5								
		Middle	7.4	1	29.7	7.7	24.2	4.8	72.7	3.7	9.4								
				2	29.7	7.7	24.2	4.8	72.5	3.7	8.5								
		Bottom	13.8	1	29.5	7.7	25.2	5.1	77.6	2.3	8.6								
				2	29.6	7.7	25.2	5.2	77.9	2.4	8.9								
			2	29.8	7.8	22.7	5.0	74.1	7.6	6.8									
			2	29.8	7.8	22.7	5.0	74.1	7.7	6.8									
	Middle	4.9	1	29.7	7.8	22.7	5.1	75.8	8.1	9.3									
			2	29.7	7.8	22.7	5.1	75.8	8.0	8.4									
	Bottom	8.8	1	29.8	7.9	22.6	5.3	78.3	7.4	9.5									
			2	29.8	7.9	22.6	5.3	78.4	7.4	10.5									
			2	29.9	7.8	23.8	4.8	71.8	7.5	8.5									
			2	29.9	7.8	23.8	4.8	71.8	7.5	8.5									
	Middle	4.3	1	29.2	7.8	25.0	4.7	70.7	5.7	8.4									
			2	29.2	7.8	25.0	4.7	70.8	5.7	8.9									
	Bottom	7.5	1	29.2	7.8	25.8	5.0	75.2	6.4	6.2									
			2	29.2	7.8	25.8	5.0	75.6	6.6	7.1									
			2	30.0	7.8	22.4	5.2	77.1	1.3	11.9									
			2	30.0	7.8	22.4	5.2	77.0	1.3	12.0									
	Middle	5.2	1	29.7	7.8	23.4	5.1	75.7	1.8	13.7									
			2	29.7	7.8	23.4	5.1	75.8	1.8	15.3									
	Bottom	9.3	1	29.7	7.8	23.6	5.4	80.8	1.9	18.6									
			2	29.7	7.8	23.6	5.4	81.0	1.9	16.8									
			2	29.9	7.7	22.9	5.0	75.3	5.8	9.7									
			2	29.9	7.7	22.9	5.0	75.5	5.9	10.3									
	Bottom	3.1	1	29.7	7.7	23.1	5.5	82.0	7.2	8.2									
			2	29.7	7.7	23.1	5.5	82.6	7.2	8.7									
			2	29.8	7.7	22.7	5.0	74.3	4.2	11.7									
			2	29.8	7.7	22.7	5.0	74.3	4.3	10.6									
Bottom	2.6	1	29.8	7.7	23.0	5.2	77.5	2.7	9.6										
		2	29.8	7.7	23.0	5.2	77.8	2.7	8.7										
		2	29.5	7.8	21.6	4.7	69.9	3.4	3.7										
		2	29.5	7.8	21.6	4.7	69.9	3.5	4.6										
Middle	4.0	1	28.9	7.9	27.5	4.2	63.8	4.4	4.3										
		2	28.9	7.9	27.5	4.2	63.8	4.4	4.2										
Bottom	6.9	1	28.9	7.9	27.7	4.4	65.8	10.5	12.7										
		2	28.9	7.9	27.7	4.4	67.0	10.5	14.6										
		2	29.4	7.7	23.8	4.6	68.7	3.5	11.0										
		2	29.4	7.7	23.8	4.6	68.6	3.5	10.1										
Middle	7.8	1	29.1	7.7	25.9	4.3	65.3	4.2	11.0										
		2	29.1	7.7	25.9	4.3	65.2	4.3	12.2										
Bottom	14.6	1	29.1	7.7	25.9	4.4	65.7	7.5	10.8										
		2	29.1	7.7	25.9	4.4	65.9	7.5	11.4										
		2	29.5	7.8	22.5	5.0	73.7	2.6	9.0										
		2	29.5	7.8	22.5	5.0	73.6	2.6	8.7										
Middle	5.1	1	29.6	7.8	22.7	4.9	72.9	4.0	4.2										
		2	29.6	7.8	22.7	4.9	72.9	4.1	4.1										
Bottom	9.2	1	29.5	7.8	23.5	5.3	79.2	7.9	4.9										
		2	29.5	7.8	23.5	5.3	79.5	7.9	4.0										
		2	29.5	7.7	23.7	4.7	70.1	5.1	8.0										
		2	29.5	7.7	23.7	4.7	70.1	5.1	7.1										
Middle	3.8	1	29.4	7.7	23.8	4.7	69.8	6.3	5.0										
		2	29.4	7.7	23.8	4.7	70.0	6.2	6.0										
Bottom	6.5	1	29.4	7.7	23.9	4.8	72.3	9.4	4.7										
		2	29.4	7.7	23.9	4.9	72.6	9.5	5.5										
		2	29.5	7.7	23.9	4.7	70.5	5.9	11.0										
		2	29.5	7.7	23.9	4.7	70.6	5.9	12.2										
Middle	5.9	1	29.4	7.7	24.0	4.7	70.2	7.0	11.6										
		2	29.4	7.7	24.0	4.7	70.3	7.1	10.7										
Bottom	10.8	1	29.4	7.7	24.3	5.0	74.7	7.7	10.6										
		2	29.4	7.7	24.2	5.0	74.8	7.6	11.6										
		2	29.5	7.7	22.9	5.1	75.4	5.6	11.7										
		2	29.5	7.7	22.9	5.1	75.6	5.7	10.6										
Bottom	3.6	1	29.5	7.7	23.1	5.8	85.6	9.1	10.2										
		2	29.5	7.7	23.1	5.8	86.3	9.3	9.8										
		2	29.5	7.8	23.3	5.0	74.8	3.3	19.9										
		2	29.5	7.8	23.3	5.0	74.7	3.2	22.8										
Bottom	2.8	1	29.4	7.7	23.2	5.7	85.0	8.4	14.6										
		2	29.4	7.7	23.2	5.7	85.4	8.5	15.5										

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

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
20-09-2019	Mid-Ebb	TCE-C1	Sunny	Rough	14:45	7.4	Surface	1.0	1	29.6	7.7	23.3	5.8	86.3	2.7	11.4	5.7	3.9	10.7							
									2	29.6	7.7	23.2	5.8	86.1	2.8	11.4										
							Middle	3.7	1	29.3	7.7	28.2	5.6	84.8	4.2	9.8										
									2	29.3	7.7	28.7	5.6	85.5	4.2	10.9										
							Bottom	6.4	1	29.3	7.7	29.4	5.9	90.5	4.8	10.8										
								2	29.3	7.7	29.4	5.9	90.9	4.8	9.8											
		TCE-C2					Sunny	Rough	16:57	12.2	Surface	1.0	1	30.1	7.8	25.2				5.4	81.7	3.3	9.5	5.1	4.6	10.3
												2	30.0	7.8	25.2	5.3				80.8	3.4	8.6				
		Middle									6.1	1	29.7	7.8	25.9	5.0				75.1	4.1	10.3				
												2	29.7	7.8	26.0	4.9				74.8	4.1	9.4				
	Bottom	11.2	1	29.3	7.8	27.0					5.1	76.8	6.4	12.7												
			2	29.3	7.8	27.0	5.2				78.3	6.4	11.0													
	TCE-WQM1	Sunny	Moderate	15:43	7.9	Surface	1.0				1	30.0	7.8	23.8	5.7	85.6	4.3	19.4	5.7	4.3	20.8					
							2				30.0	7.8	23.8	5.7	85.3	4.4	22.5									
	Middle					4.0	1				30.0	7.8	23.9	5.7	85.4	4.2	21.3									
							2				29.9	7.8	23.9	5.7	85.2	4.1	22.4									
	Bottom					6.9	1	29.9	7.8	24.2	5.9	89.3	4.4	19.9												
						2	29.9	7.8	24.2	6.0	89.7	4.5	19.1													
	TCE-WQM2a	Sunny				Moderate	16:18	7.8	Surface	1.0	1	29.6	7.8	25.1	5.0	74.8	3.1	10.5				5.0	4.0	9.9		
										2	29.6	7.8	25.1	5.0	74.8	3.1	9.9									
	Middle								3.9	1	29.4	7.8	26.6	5.0	75.3	3.0	9.9									
										2	29.4	7.8	26.5	5.0	75.4	3.2	9.1									
	Bottom		6.8	1	29.2				7.8	27.3	5.5	82.7	5.7	9.8												
			2	29.2	7.8				27.2	5.5	83.3	5.7	10.4													
	TCE-WQM2b	Sunny	Rough	16:30	11.0				Surface	1.0	1	29.8	7.8	24.8	5.3	80.2	4.2	8.9	5.2	6.0	7.7					
										2	29.8	7.8	24.8	5.3	80.0	4.2	8.0									
	Middle								5.5	1	29.6	7.8	25.3	5.1	76.5	4.8	7.7									
										2	29.6	7.8	25.4	5.0	76.1	5.4	8.4									
	Bottom					10.0	1	29.5	7.8	25.8	5.2	78.6	8.8	6.1												
						2	29.4	7.8	25.9	5.3	79.7	8.7	7.1													
	TCE-WQM3A	Sunny				Calm	16:06	4.0	Surface	1.0	1	30.0	7.8	24.2	5.8	87.6	2.3	8.7				5.8	3.5	9.8		
										2	30.0	7.8	24.2	5.7	86.8	2.5	9.1									
	Bottom								3.0	1	29.7	7.8	24.6	5.7	85.0	4.6	10.6									
										2	29.7	7.8	24.6	5.7	85.6	4.7	10.9									
	TCE-WQM4		Sunny	Calm	15:55				3.5	Surface	1.0	1	30.0	7.8	24.6	5.9	89.7	4.1	15.4	5.9	4.5				13.7	
										2	30.0	7.8	24.6	5.9	89.7	4.2	14.2									
	Bottom	2.5								1	30.0	7.8	24.6	6.0	91.4	4.8	13.0									
										2	30.0	7.8	24.6	6.1	91.7	4.8	12.1									
										1	29.6	7.8	21.8	5.8	85.8	2.7	15.6									
	20-09-2019	Mid-Flood	TCE-C1							Fine	Rough	12:15	7.3	Surface	1.0	1	29.6	7.8	21.8							5.8
							2	29.6						7.8	21.9	5.8	85.6	2.7	14.4							
Middle						3.7	1	29.2						7.8	27.6	5.1	77.0	9.0	17.7							
							2	29.2						7.8	27.6	5.1	76.9	9.7	16.6							
Bottom						6.3	1	29.2						7.8	29.2	5.2	79.5	14.1	15.1							
				2	29.2	7.8	29.2	5.2	79.6					13.9	13.4											
TCE-C2			Fine	Moderate	9:35	12.7	Surface	1.0	1					30.0	7.9	25.1	5.2	79.2	1.6	11.4	5.0	1.4	13.6			
								2	30.0					7.9	25.2	5.1	77.8	1.6	12.8							
Middle							6.4	1	29.7					7.8	26.0	4.8	73.2	1.1	13.9							
								2	29.7					7.8	26.0	4.8	72.8	1.1	13.3							
Bottom							11.7	1	29.3	7.8	27.1	4.7	71.9	1.4	15.2											
							2	29.3	7.8	27.1	4.8	72.6	1.4	15.0												
TCE-WQM1			Fine				Calm	10:54	8.5	Surface	1.0	1	29.8	7.7	24.3	4.9	74.1	5.8	8.6	4.8				7.9	10.8	
											2	29.8	7.7	24.3	4.9	74.0	5.9	9.6								
Middle										4.3	1	29.7	7.7	24.4	4.8	71.7	8.3	12.5								
											2	29.7	7.7	24.4	4.8	71.6	8.4	11.0								
Bottom				7.5	1	29.5				7.8	24.5	4.8	72.1	9.5	11.9											
				2	29.5	7.8				24.5	4.8	72.3	9.5	11.1												
TCE-WQM2a			Fine	Moderate	10:16	7.3				Surface	1.0	1	29.6	7.8	24.9	4.8	72.2	3.7	8.4		4.7	5.3	8.6			
											2	29.6	7.8	24.9	4.8	72.2	3.7	7.3								
Middle										3.7	1	29.4	7.8	26.3	4.6	68.9	4.5	7.6								
											2	29.4	7.8	26.3	4.5	68.6	4.6	8.6								
Bottom							6.3	1	29.2	7.8	27.3	4.6	69.7	7.6	9.8											
							2	29.2	7.8	27.3	4.6	69.9	7.6	10.0												
TCE-WQM2b			Fine				Moderate	10:03	11.3	Surface	1.0	1	29.8	7.8	24.6	5.3	80.5	1.4	8.9	5.2				3.2	8.2	
											2	29.8	7.8	24.6	5.3	80.0	1.5	7.9								
Middle										5.7	1	29.6	7.8	25.4	5.0	75.7	3.1	8.3								
											2	29.6	7.8	25.4	5.0	75.7	3.5	9.0								
Bottom				10.3	1	29.5				7.8	25.8	5.1	77.5	4.6	7.6											
				2	29.6	7.8				25.7	5.2	78.5	4.9	7.2												
TCE-WQM3A			Fine	Calm	10:29	3.8				Surface	1.0	1	29.6	7.8	24.9	4.8	72.9	3.0	8.1		4.8	2.9	8.4			
											2	29.6	7.8	24.9	4.8	72.9	3.0	8.1								
Bottom										2.8	1	29.4	7.8	26.2	4.8	73.3	2.7	8.4								
											2	29.4	7.8	26.2	4.8	73.3	2.8	9.1								
TCE-WQM4							Fine	Calm	10:43	3.6	Surface	1.0	1	29.5	7.8	24.7	4.9	73.4	7.9	12.1				4.9	9.1	12.9
											2	29.5	7.8	24.7	4.9	73.5	7.8	11.1								
Bottom			2.6								1	29.5	7.7	24.7	5.1	76.1	10.2	14.6								
											2	29.5	7.7	24.7	5.1	76.3	10.3	13.8								
											1	29.5	7.7	24.7	5.1	76.3	10.3	13.8								

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)								
23-09-2019	Mid-Ebb	TCE-C1	Fine	Moderate	7:43	7.4	Surface	1.0	1	27.8	8.2	30.1	6.2	93.8	4.9	6.7	6.2	8.3	7.9								
									2	27.9	8.2	30.2	6.2	93.8	4.9	7.0											
							Middle	3.7	1	28.8	8.0	32.0	6.1	94.5	6.5	7.5											
									2	28.8	8.0	32.0	6.1	94.5	6.5	7.7											
							Bottom	6.4	1	28.8	8.1	32.0	6.1	93.9	13.4	8.9											
									2	28.8	8.1	32.0	6.1	94.0	13.4	9.4											
		TCE-C2	Fine	Moderate	5:46	14.2	Surface	1.0	1	27.9	8.0	28.2	7.2	107.8	1.6	4.0	6.8	2.6	4.4								
									2	27.9	8.0	28.2	7.2	107.8	1.6	4.3											
							Middle	7.1	1	28.7	8.0	29.2	6.4	96.6	2.2	4.4											
									2	28.7	8.0	29.1	6.4	96.7	2.2	4.2											
							Bottom	13.2	1	29.2	7.9	31.7	5.1	79.4	4.0	4.6											
									2	29.2	7.9	31.7	5.1	79.8	4.1	4.7											
	TCE-WQM1	Fine	Moderate	7:02	9.5	Surface	1.0	1	27.9	8.1	28.4	6.2	93.1	5.2	6.7	6.1	8.0	8.5									
								2	27.9	8.1	28.4	6.2	93.0	5.1	6.6												
						Middle	4.8	1	28.3	8.0	29.4	5.9	89.5	8.2	8.1												
								2	28.4	8.0	29.5	5.9	89.6	8.2	8.4												
						Bottom	8.5	1	28.6	8.1	30.2	5.7	86.1	10.8	10.8												
								2	28.6	8.1	30.2	5.7	86.3	10.8	10.5												
	TCE-WQM2a	Fine	Moderate	6:27	8.2	Surface	1.0	1	28.4	8.2	28.3	5.9	89.0	4.3	6.9	5.6	4.1	7.5									
								2	28.4	8.2	28.3	5.9	89.0	4.3	7.1												
						Middle	4.1	1	28.8	8.0	29.4	5.2	79.4	3.7	7.3												
								2	28.8	8.0	29.5	5.2	79.2	3.8	7.2												
						Bottom	7.2	1	29.0	7.9	30.1	5.1	78.0	4.3	8.1												
								2	29.0	7.9	30.3	5.1	77.8	4.4	8.2												
TCE-WQM2b	Fine	Moderate	6:15	10.5	Surface	1.0	1	28.0	7.9	28.6	6.1	91.4	2.5	5.2	6.0	2.8	5.4										
							2	28.0	7.9	28.6	6.1	90.9	2.5	5.4													
					Middle	5.3	1	28.6	8.0	29.3	5.8	88.4	2.5	5.3													
							2	28.6	8.0	29.3	5.8	88.3	2.4	5.0													
					Bottom	9.5	1	28.7	8.0	29.6	5.7	86.8	3.3	5.5													
							2	28.7	8.0	29.6	5.7	87.0	3.4	5.7													
TCE-WQM3A	Fine	Moderate	6:39	4.2	Surface	1.0	1	28.8	7.9	28.5	5.0	75.2	3.6	7.3	5.0	4.6	7.5										
							2	28.8	7.9	28.5	5.0	75.1	3.6	7.1													
					Bottom	3.2	1	28.9	7.9	29.3	5.0	76.0	5.6	7.6													
							2	28.9	7.9	29.2	5.0	76.1	5.5	7.9													
					TCE-WQM4	Fine	Moderate	6:50	3.9	Surface	1.0	1	28.2	8.1				27.3	6.2	92.1	5.5	8.6	6.2	7.8	8.8		
												2	28.2	8.1				27.3	6.2	92.1	5.6	8.9					
Bottom	2.9	1	28.5	8.1						28.2	5.8	87.8	10.1	8.6													
		2	28.5	8.1						28.2	5.8	88.2	10.2	9.0													
23-09-2019	Mid-Flood	TCE-C1	Fine	Rough						18:20	7.8	Surface	1.0	1	28.9	8.1	31.0	7.6	116.7	3.7	6.8	7.1				9.2	7.6
														2	28.9	8.1	31.0	7.6	116.5	3.7	6.7						
					Middle	3.9	1	29.0	8.2			32.1	6.6	102.4	7.4	7.6											
							2	29.0	8.2			32.1	6.6	102.3	7.5	7.9											
					Bottom	6.8	1	28.9	8.2			32.4	6.3	98.0	16.3	8.3											
							2	28.9	8.2			32.4	6.3	98.1	16.3	8.1											
		TCE-C2	Fine	Rough	20:12	15.2	Surface	1.0	1	29.0	8.0	31.5	5.4	83.5	3.2	7.0	5.4	3.8	7.3								
									2	29.0	8.0	31.5	5.4	83.5	3.1	7.4											
							Middle	7.6	1	29.0	7.9	31.7	5.4	83.7	3.9	7.2											
									2	29.0	7.9	31.7	5.4	83.8	4.0	7.4											
							Bottom	14.2	1	29.0	7.9	31.7	5.4	84.3	4.3	7.2											
									2	29.0	7.9	31.7	5.5	84.4	4.3	7.3											
	TCE-WQM1	Fine	Moderate	19:01	10.1	Surface	1.0	1	28.8	8.3	28.1	8.4	126.5	6.9	7.9	8.2	8.1	7.9									
								2	28.8	8.3	28.1	8.4	126.3	6.9	7.6												
						Middle	5.1	1	28.7	8.3	28.2	8.1	122.4	7.3	8.1												
								2	28.7	8.3	28.2	8.1	122.2	7.3	7.9												
						Bottom	9.1	1	28.6	8.3	28.6	6.8	103.2	10.2	8.0												
								2	28.6	8.3	28.6	6.8	103.3	10.3	7.8												
	TCE-WQM2a	Fine	Moderate	19:35	8.2	Surface	1.0	1	28.7	8.1	29.4	7.0	106.4	3.6	5.7	6.2	5.0	6.1									
								2	28.7	8.1	29.4	7.0	106.4	3.6	6.0												
						Middle	4.1	1	28.8	8.0	30.5	5.4	82.9	4.3	6.2												
								2	28.8	8.0	30.5	5.4	82.8	4.3	6.4												
						Bottom	7.2	1	28.8	8.0	30.7	5.3	81.8	7.1	6.1												
								2	28.8	8.0	30.7	5.3	81.9	7.2	6.4												
TCE-WQM2b	Fine	Rough	19:46	11.4	Surface	1.0	1	28.7	8.2	29.7	6.9	104.7	3.1	7.1	6.3	5.0	7.4										
							2	28.7	8.2	29.7	6.9	104.5	3.1	7.2													
					Middle	5.7	1	28.8	8.1	30.3	5.8	89.6	5.4	7.1													
							2	28.8	8.1	30.3	5.8	89.5	5.4	6.8													
					Bottom	10.4	1	28.9	8.1	31.2	5.4	83.3	6.4	8.0													
							2	28.9	8.1	31.2	5.4	83.5	6.4	8.3													
TCE-WQM3A	Fine	Moderate	19:24	4.1	Surface	1.0	1	28.8	8.1	28.9	6.2	93.6	9.4	8.8	6.2	9.9	8.8										
							2	28.8	8.1	28.9	6.2	93.6	9.4	9.0													
					Bottom	3.1	1	28.7	8.1	29.2	5.8	87.9	10.5	8.6													
							2	28.7	8.1	29.2	5.8	88.1	10.5	8.6													
					TCE-WQM4	Fine	Moderate	19:13	3.6	Surface	1.0	1	28.9	8.2				28.6	8.3	125.8	5.4	6.8	8.3	5.9	7.4		
												2	28.9	8.2				28.6	8.3	125.7	5.4	6.5					
Bottom	2.6	1	28.9	8.3						28.6	8.0	121.5	6.3	8.3													
		2	28.9	8.3						28.6	8.0	121.0	6.3	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)											
25-09-2019	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:10	8.2	Surface	1.0	1	28.9	7.9	29.5	7.1	108.7	3.0	8.1	6.9	10.4	9.7											
									2	28.9	7.9	29.5	7.1	108.4	3.2	8.4														
							Middle	4.1	1	28.9	7.9	29.7	6.7	101.7	8.8	10.4														
									2	28.8	7.9	29.7	6.6	101.4	8.9	10.3														
							Bottom	7.2	1	28.7	7.8	29.9	6.4	98.4	19.5	10.4														
									2	28.7	7.8	29.9	6.5	98.5	19.2	10.6														
				TCE-C2	Cloudy	Moderate	9:00	12.8	Surface	1.0	1	28.5	7.9	29.1	6.0	91.0	1.4	6.9	5.7	4.8	8.1									
									2	28.5	7.9	29.1	6.0	90.9	1.4	7.1														
		Middle	6.4						1	28.7	7.9	29.4	5.5	83.2	4.9	8.3														
									2	28.7	7.9	29.4	5.5	83.2	5.0	8.2														
		Bottom	11.8						1	29.0	7.9	30.2	5.4	82.4	8.2	9.1														
									2	29.0	8.0	30.2	5.4	82.6	7.9	9.2														
				TCE-WQM1	Cloudy	Calm	10:18	8.5	Surface	1.0	1	28.8	8.0	28.8	6.8	102.7	2.7	7.6	6.7	3.5	10.1									
									2	28.8	8.0	28.8	6.7	102.3	2.8	7.8														
		Middle	4.3						1	28.8	8.0	28.9	6.6	100.9	3.1	10.1														
									2	28.8	8.0	28.9	6.6	100.5	3.4	9.8														
		Bottom	7.5						1	28.8	8.0	29.6	6.6	99.9	4.6	12.5														
									2	28.8	8.0	29.6	6.6	100.1	4.5	12.9														
				TCE-WQM2a	Cloudy	Moderate	9:42	7.7	Surface	1.0	1	28.9	7.9	28.4	6.2	94.4	4.6	11.9	5.9	4.0	12.0									
									2	28.9	7.9	28.4	6.2	94.4	4.6	12.2														
		Middle	3.9						1	28.8	7.9	29.0	5.6	85.7	4.2	11.3														
									2	28.8	7.9	29.0	5.6	85.8	4.2	11.2														
		Bottom	6.7						1	28.9	7.9	29.5	5.8	88.4	3.0	12.6														
									2	28.9	7.9	29.5	5.8	88.6	3.1	12.8														
			TCE-WQM2b	Cloudy	Moderate	9:30	11.2	Surface	1.0	1	28.9	7.9	28.6	6.6	99.7	1.6	8.1	6.2	5.0	9.2										
								2	28.9	7.9	28.6	6.6	99.4	1.6	7.7															
	Middle	5.6						1	28.9	7.9	29.0	5.9	89.6	6.0	9.8															
								2	28.9	7.9	29.0	5.9	89.6	6.1	10.1															
	Bottom	10.2						1	28.9	7.9	29.1	6.0	91.5	7.2	9.5															
								2	28.9	7.9	29.1	6.0	91.5	7.2	9.7															
			TCE-WQM3A	Cloudy	Calm	9:54	4.4	Surface	1.0	1	28.8	7.9	28.6	5.6	84.7	5.4	12.4	5.6	5.2	14.1										
								2	28.8	7.9	28.6	5.6	84.9	5.4	12.5															
	Bottom	3.4						1	28.8	7.9	28.9	5.9	89.7	5.0	15.5															
								2	28.8	7.9	28.9	5.9	90.0	5.1	15.8															
								TCE-WQM4	Cloudy	Calm	10:08	3.4	Surface	1.0	1	28.8	8.0				28.2	6.5	99.1	9.4	11.0	6.5	12.1	11.5		
													2	28.8	8.0	28.2	6.6				99.3	9.5	11.4							
	Bottom	2.4	1	28.8	8.0	28.3	6.5						98.5	14.8	12.0															
			2	28.8	8.0	28.3	6.5						98.5	14.8	12.0															
			25-09-2019	Mid-Flood	TCE-C1	Cloudy	Moderate						15:41	7.6	Surface	1.0	1	29.3	7.9	29.0	7.2	110.3	8.4	19.1	6.9				14.5	18.5
															2	29.3	7.9	29.0	7.1	108.6	8.5	19.3								
	Middle	3.8						1	28.8	7.8	29.3	6.6			101.1	14.7	16.9													
								2	28.8	7.8	29.3	6.6			100.9	14.9	16.6													
	Bottom	6.6						1	28.8	7.8	29.6	6.4			98.3	20.2	19.4													
								2	28.8	7.8	29.6	6.5			98.3	20.2	19.6													
						TCE-C2	Cloudy	Moderate	17:48	12.2	Surface	1.0	1	29.0	8.4	29.6	5.9	90.2	5.5	12.9	5.8	6.3	12.8							
					2						29.0	8.4	29.6	5.9	89.9	5.8	12.9													
	Middle	6.1			1						29.0	8.4	29.6	5.7	87.7	5.6	12.1													
					2						29.0	8.4	29.6	5.7	87.7	5.6	12.3													
Bottom	11.2	1			29.0						8.4	29.7	5.6	86.4	7.6	13.1														
		2			29.0						8.4	29.7	5.7	86.6	7.6	13.3														
				TCE-WQM1	Cloudy	Calm	16:28	8.0	Surface	1.0	1	29.6	7.9	28.5	7.4	113.3	10.7	19.4	7.3	16.3	28.1									
		2							29.6	7.9	28.5	7.4	113.1	10.6	19.2															
Middle	4.0	1							29.4	7.8	28.5	7.1	109.3	17.7	35.3															
		2							29.4	7.8	28.5	7.1	109.4	17.9	35.0															
Bottom	7.0	1							29.4	7.8	28.5	7.0	107.9	20.6	29.6															
		2							29.4	7.8	28.5	7.0	107.8	20.3	30.0															
				TCE-WQM2a	Cloudy	Moderate	17:05	7.2	Surface	1.0	1	29.1	8.0	28.8	7.0	106.6	17.9	24.3	7.0	16.9	27.6									
		2							29.1	8.0	28.8	7.0	106.6	17.9	24.3															
Middle	3.6	1							29.1	8.0	28.8	7.0	106.2	13.5	23.1															
		2							29.1	8.0	28.8	7.0	106.3	13.8	23.4															
Bottom	6.2	1							29.1	8.0	28.8	6.9	105.2	19.2	35.4															
		2							29.1	8.0	28.8	6.9	105.1	19.2	35.0															
			TCE-WQM2b	Cloudy	Moderate	17:17	11.1	Surface	1.0	1	29.0	8.0	28.9	6.7	102.8	9.9	19.3	6.7	14.1	20.5										
		2						29.0	8.0	28.9	6.7	102.7	10.0	19.4																
Middle	5.6	1						29.0	8.0	28.9	6.7	101.8	14.3	21.4																
		2						29.0	8.0	28.9	6.7	101.9	14.0	21.0																
Bottom	10.1	1						29.0	8.0	28.9	6.6	101.3	18.1	20.8																
		2						29.0	8.0	28.9	6.6	101.3	18.4	21.0																
			TCE-WQM3A	Cloudy	Calm	16:54	3.4	Surface	1.0	1	29.2	7.9	28.5	6.5	99.3	6.7	12.1	6.5	7.3	12.8										
		2						29.2	7.9	28.5	6.5	99.1	6.6	11.7																
Bottom	2.4	1						29.0	7.9	28.7	6.2	95.1	7.8	13.9																
		2						29.0	7.9	28.7	6.3	95.3	7.9	13.6																
								TCE-WQM4	Cloudy	Calm	16:41	3.1	Surface	1.0	1	29.6	7.8				28.6	7.5	116.0	7.7	18.5	7.5	8.4	17.7		
		2											29.6	7.8	28.6	7.5	115.8				7.8	18.5								
Bottom	2.1	1	29.6	7.8	28.6	7.5	114.4						8.9	16.7																
		2	29.6	7.8	28.6	7.4	114.1						9.2	17.0																

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)
27-09-2019	Mid-Ebb	TCE-C1	Sunny	Rough	13:14	8.5	Surface	1.0	1	29.0	7.8	30.2	6.5	99.2	8.8	14.9	6.4	12.7	21.2
									2	29.0	7.9	30.2	6.5	99.0	8.8	15.1			
							Middle	4.3	1	28.9	7.9	30.3	6.4	98.0	11.6	23.1			
									2	28.9	7.9	30.3	6.4	97.9	11.6	23.4			
							Bottom	7.5	1	28.9	7.9	30.3	6.4	98.0	17.6	25.4			
									2	28.9	7.9	30.3	6.4	98.0	17.6	25.2			
		TCE-C2	Sunny	Moderate	10:57	14.8	Surface	1.0	1	29.1	7.9	29.7	7.0	106.8	3.4	8.7	6.7	7.3	9.5
									2	29.1	7.9	29.7	7.0	106.8	3.5	8.7			
							Middle	7.4	1	29.0	7.9	29.8	6.5	99.3	6.8	9.5			
									2	29.0	7.9	29.8	6.5	99.2	6.8	9.8			
							Bottom	13.8	1	28.9	7.9	30.8	5.7	87.7	11.8	10.3			
									2	28.9	7.9	30.8	5.7	87.9	11.7	10.0			
	TCE-WQM1	Sunny	Moderate	12:25	10.2	Surface	1.0	1	28.9	7.7	29.9	6.5	99.0	8.8	15.6	6.4	9.9	17.2	
								2	28.9	7.7	29.9	6.5	99.0	8.9	15.8				
						Middle	5.1	1	28.9	7.7	29.9	6.4	98.0	9.3	16.9				
								2	28.9	7.7	29.9	6.4	98.0	9.3	17.1				
						Bottom	9.2	1	28.9	7.7	29.9	6.4	98.3	11.6	18.9				
								2	28.9	7.7	29.9	6.4	98.3	11.6	18.6				
	TCE-WQM2a	Sunny	Moderate	11:49	7.8	Surface	1.0	1	29.1	7.9	29.9	6.7	103.4	6.8	14.0	6.7	9.0	16.0	
								2	29.1	7.9	29.9	6.7	103.4	6.8	14.4				
						Middle	3.9	1	29.1	8.0	30.0	6.6	101.2	8.8	15.7				
								2	29.1	8.0	30.0	6.6	101.2	8.8	15.6				
						Bottom	6.8	1	28.9	8.0	30.1	6.3	95.9	11.4	17.9				
								2	28.9	8.0	30.1	6.3	95.8	11.4	18.2				
TCE-WQM2b	Sunny	Moderate	11:36	11.6	Surface	1.0	1	28.9	8.2	29.3	6.6	100.6	5.2	18.1	6.5	7.6	20.1		
							2	28.9	8.2	29.4	6.6	100.5	5.2	18.0					
					Middle	5.8	1	28.9	8.2	29.4	6.5	99.4	6.9	20.3					
							2	28.9	8.2	29.4	6.5	99.3	6.9	20.4					
					Bottom	10.6	1	28.9	8.2	29.5	6.5	99.9	10.5	21.7					
							2	28.9	8.2	29.5	6.6	100.2	10.6	21.8					
TCE-WQM3A	Sunny	Moderate	12:01	4.7	Surface	1.0	1	29.0	7.9	29.3	6.9	105.4	4.6	12.4	6.9	5.3	16.2		
							2	29.0	7.9	29.3	6.9	105.4	4.5	12.1					
					Bottom	3.7	1	28.8	7.9	29.5	6.7	102.5	6.0	20.2					
							2	28.7	7.9	29.5	6.5	99.6	6.0	20.1					
					Surface	1.0	1	29.2	7.8	29.8	6.6	101.4	5.2	11.1					
							2	29.2	7.8	29.8	6.6	101.5	5.3	11.3					
TCE-WQM4	Sunny	Moderate	12:13	3.8	Surface	1.0	1	29.1	7.8	29.9	6.7	102.3	8.4	16.3	6.6	6.8	13.7		
							2	29.1	7.8	29.9	6.7	102.3	8.4	16.0					
					Bottom	2.8	1	29.1	7.8	29.9	6.7	102.3	8.4	16.3					
							2	29.1	7.8	29.9	6.7	102.3	8.4	16.0					
					Surface	1.0	1	29.3	8.1	29.1	6.8	103.7	5.5	20.6					
							2	29.3	8.1	29.1	6.8	103.7	5.5	21.0					
TCE-C2	Sunny	Moderate	18:54	14.3	Surface	1.0	1	29.0	8.0	30.5	5.8	89.3	3.4	17.8	5.8	4.7	20.4		
							2	29.0	8.0	30.5	5.8	89.3	3.5	17.6					
					Middle	7.2	1	29.0	7.9	30.6	5.7	88.2	4.2	21.1					
							2	29.0	7.9	30.6	5.7	88.2	4.3	20.9					
					Bottom	13.3	1	29.0	7.8	30.7	5.7	88.1	6.3	22.7					
							2	29.0	7.8	30.7	5.7	88.1	6.4	22.5					
TCE-WQM1	Sunny	Moderate	17:34	9.2	Surface	1.0	1	29.3	8.0	29.9	6.8	104.4	4.9	23.3	6.8	6.6	23.3		
							2	29.3	8.0	29.9	6.8	104.4	4.9	22.9					
					Middle	4.6	1	29.3	8.0	29.9	6.8	104.0	6.6	22.6					
							2	29.3	8.0	29.9	6.8	104.0	6.6	22.5					
					Bottom	8.2	1	29.3	8.1	29.9	6.8	104.2	8.4	24.3					
							2	29.3	8.1	29.9	6.8	104.2	8.4	23.9					
TCE-WQM2a	Sunny	Moderate	18:10	7.2	Surface	1.0	1	29.1	7.9	29.2	6.6	100.8	4.4	14.6	6.6	7.9	15.5		
							2	29.1	7.9	29.2	6.6	100.8	4.4	15.0					
					Middle	3.6	1	29.1	7.9	29.2	6.6	100.5	8.7	15.2					
							2	29.1	7.9	29.2	6.6	100.6	8.7	14.9					
					Bottom	6.2	1	29.1	7.9	29.5	6.6	101.6	10.7	16.7					
							2	29.1	7.9	29.5	6.6	101.6	10.7	16.7					
TCE-WQM2b	Sunny	Moderate	18:21	10.4	Surface	1.0	1	29.0	7.9	29.4	6.4	97.9	4.2	20.7	6.4	6.6	22.0		
							2	29.0	7.9	29.4	6.4	97.9	4.3	21.0					
					Middle	5.2	1	29.0	7.8	29.6	6.3	97.1	5.2	22.4					
							2	29.0	7.8	29.6	6.3	97.1	5.3	22.2					
					Bottom	9.4	1	29.0	7.9	29.6	6.4	97.6	10.2	22.7					
							2	29.0	7.9	29.6	6.4	97.8	10.3	23.0					
TCE-WQM3A	Sunny	Moderate	17:59	4.1	Surface	1.0	1	29.2	7.7	29.6	6.7	103.5	4.4	11.9	6.7	4.9	12.0		
							2	29.2	7.7	29.6	6.7	103.5	4.5	11.6					
					Bottom	3.1	1	29.1	7.8	29.6	6.6	101.8	5.3	12.2					
							2	29.1	7.8	29.6	6.6	101.8	5.4	12.4					
					Surface	1.0	1	29.0	7.9	29.7	6.7	103.2	6.6	24.3					
							2	29.0	7.9	29.7	6.7	103.1	6.7	24.1					
TCE-WQM4	Sunny	Moderate	17:47	3.4	Surface	1.0	1	29.1	7.8	29.8	6.7	103.1	8.5	25.0	6.7	7.6	24.7		
							2	29.1	7.8	29.7	6.7	103.1	8.5	25.0					
					Bottom	2.4	1	29.1	7.8	29.8	6.7	103.1	8.5	25.0					
							2	29.1	7.8	29.7	6.7	103.1	8.5	25.4					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (C)	pH	Salinity (ppH)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged											
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)									
30-09-2019	Mid-Ebb	TCE-C1	Sunny	Rough	12:20	7.7	Surface	1.0	1	29.2	7.9	30.8	5.9	91.9	5.5	13.8	5.9	5.9	14.1									
									2	29.2	7.9	30.8	5.9	91.9	5.5	13.9												
							Middle	3.9	1	29.1	7.9	31.0	5.9	91.2	5.8	13.7												
									2	29.1	7.9	31.0	5.9	91.2	5.9	13.6												
							Bottom	6.7	1	29.2	7.9	31.0	6.0	92.1	6.2	14.9												
									2	29.2	7.9	31.0	6.0	92.2	6.2	14.5												
		TCE-C2	Sunny	Moderate	14:02	14.5	Surface	1.0	1	29.4	8.0	29.5	5.6	85.8	6.2	15.3	5.6	9.6	16.6									
									2	29.4	8.0	29.5	5.6	85.9	6.3	15.0												
							Middle	7.3	1	29.4	8.0	29.5	5.6	85.8	9.7	16.9												
									2	29.4	8.0	29.5	5.6	85.8	9.8	16.5												
							Bottom	13.5	1	29.4	7.9	29.5	5.7	88.2	12.9	18.0												
									2	29.4	7.9	29.5	5.7	88.4	12.9	17.8												
		TCE-WQM1	Sunny	Moderate	13:01	10.7	Surface	1.0	1	29.3	7.9	29.4	5.6	86.6	5.7	21.0	5.6	8.7	21.7									
									2	29.3	7.9	29.4	5.6	86.6	5.7	21.2												
							Middle	5.4	1	29.3	7.9	29.4	5.7	86.9	8.5	22.3												
									2	29.3	7.9	29.4	5.7	86.9	8.5	22.1												
							Bottom	9.7	1	29.3	7.9	29.4	5.7	88.3	11.8	22.0												
									2	29.3	7.9	29.4	5.8	88.7	11.9	21.7												
		TCE-WQM2a	Sunny	Moderate	13:32	8.8	Surface	1.0	1	29.4	8.0	29.3	5.6	86.7	6.9	12.3	5.6	9.3	13.2									
									2	29.4	8.0	29.3	5.6	86.7	6.9	12.1												
							Middle	4.4	1	29.3	8.0	29.4	5.5	85.0	8.8	13.6												
									2	29.3	8.0	29.4	5.5	84.9	8.8	13.8												
							Bottom	7.8	1	29.2	7.9	29.8	5.3	82.0	12.1	13.8												
									2	29.2	7.9	29.8	5.3	82.0	12.1	13.8												
	TCE-WQM2b	Sunny	Moderate	13:43	11.9	Surface	1.0	1	29.4	8.0	28.6	5.8	89.2	7.7	13.2	5.6	10.2	12.5										
								2	29.3	8.0	28.6	5.6	85.8	7.8	13.3													
						Middle	6.0	1	29.2	7.9	29.0	5.5	84.6	10.2	13.3													
								2	29.2	7.9	29.0	5.5	84.6	10.2	12.9													
						Bottom	10.9	1	29.3	7.9	29.2	5.6	86.6	12.6	11.1													
								2	29.3	7.9	29.2	5.7	87.2	12.6	11.2													
	TCE-WQM3A	Sunny	Moderate	13:22	4.2	Surface	1.0	1	29.4	7.9	29.1	5.7	87.5	4.3	7.2	5.7	5.5	7.6										
								2	29.4	7.9	29.1	5.7	87.4	4.3	6.8													
						Bottom	3.2	1	29.4	7.9	29.2	5.7	87.5	6.6	8.4													
								2	29.4	7.9	29.2	5.7	87.6	6.6	8.0													
						TCE-WQM4	Sunny	Moderate	13:12	4.5	Surface	1.0	1	29.4	8.0				29.3	5.7	87.6	5.3	11.1	5.7	7.5	11.3		
													2	29.3	8.0				29.3	5.7	87.4	5.3	11.3					
	Bottom	3.5	1	29.3	8.0						29.3	5.7	88.2	9.8	11.2													
			2	29.3	8.0						29.3	5.7	88.2	9.8	11.2													
	30-09-2019	Mid-Flood	TCE-C1	Fine	Rough						9:20	7.4	Surface	1.0	1	28.9	7.9	30.5	5.7	87.8	4.6	13.0	5.7				7.9	12.8
															2	28.9	7.9	30.6	5.7	87.8	4.6	13.3						
						Middle	3.7	1	28.9	7.9			31.3	5.7	87.7	8.5	13.2											
								2	28.9	7.9			31.3	5.7	87.7	8.6	13.3											
						Bottom	6.4	1	28.9	8.0			31.5	5.7	88.2	10.6	12.1											
								2	28.9	8.0			31.5	5.7	88.4	10.7	11.9											
			TCE-C2	Fine	Moderate	7:11	14.3	Surface	1.0	1	29.1	7.8	29.2	5.4	83.4	1.2	16.4	5.4	2.8	17.4								
										2	29.1	7.8	29.2	5.4	83.3	1.2	16.0											
								Middle	7.2	1	29.1	7.7	29.7	5.3	81.5	2.8	17.0											
										2	29.1	7.7	29.7	5.3	81.5	2.8	16.6											
Bottom								13.3	1	29.1	7.7	29.8	5.3	81.5	4.5	19.3												
									2	29.1	7.7	29.8	5.3	81.5	4.6	19.0												
TCE-WQM1			Fine	Moderate	8:31	9.5	Surface	1.0	1	29.0	7.9	29.4	5.6	85.7	4.3	12.0	5.6	6.9	11.5									
									2	29.0	7.9	29.4	5.6	85.7	4.3	12.3												
							Middle	4.8	1	29.0	7.9	29.4	5.6	85.6	6.5	11.0												
									2	29.0	7.9	29.4	5.6	85.6	6.5	11.3												
							Bottom	8.5	1	29.0	7.9	29.4	5.7	86.8	9.7	11.2												
									2	29.0	7.9	29.4	5.7	86.9	9.7	11.2												
TCE-WQM2a			Fine	Moderate	7:53	8.6	Surface	1.0	1	29.1	8.0	29.1	5.5	84.7	7.7	13.0	5.5	8.4	15.2									
									2	29.1	8.0	29.1	5.5	84.7	7.7	13.4												
							Middle	4.3	1	29.1	8.0	29.2	5.5	84.6	6.8	15.9												
									2	29.1	8.0	29.2	5.5	84.6	6.8	15.5												
							Bottom	7.6	1	29.1	8.0	29.2	5.6	85.4	10.7	16.5												
									2	29.1	8.0	29.3	5.6	85.6	10.7	16.7												
TCE-WQM2b		Fine	Moderate	7:33	10.2	Surface	1.0	1	29.1	7.9	29.1	5.5	84.4	3.2	14.6	5.5	6.1	15.1										
								2	29.1	7.9	29.1	5.5	84.3	3.2	14.5													
						Middle	5.1	1	29.1	7.9	29.1	5.5	84.2	6.3	15.0													
								2	29.1	7.9	29.1	5.5	84.3	6.4	15.2													
						Bottom	9.2	1	29.1	7.9	29.2	5.6	85.7	8.6	15.9													
								2	29.1	7.9	29.2	5.6	85.9	8.6	15.5													
TCE-WQM3A		Fine	Moderate	8:07	4.3	Surface	1.0	1	29.0	7.9	29.2	5.5	83.8	9.0	12.0	5.5	9.1	12.4										
								2	29.0	7.9	29.2	5.5	84.0	9.0	12.1													
						Bottom	3.3	1	28.8	7.9	29.4	5.6	85.7	9.3	12.5													
								2	28.7	7.9	29.4	5.7	85.9	9.3	12.8													
						TCE-WQM4	Fine	Moderate	8:18	3.8	Surface	1.0	1	29.0	7.9				29.3	5.6	85.5	4.8	12.0	5.6	5.7	13.2		
													2	29.0	7.9				29.3	5.6	85.5	4.8	12.2					
Bottom		2.8	1	29.0	7.9						29.3	5.7	87.1	6.5	14.2													
			2	29.0	7.9						29.3	5.7	87.2	6.5	14.4													