

Annex G3

Monitoring Results for Water Quality

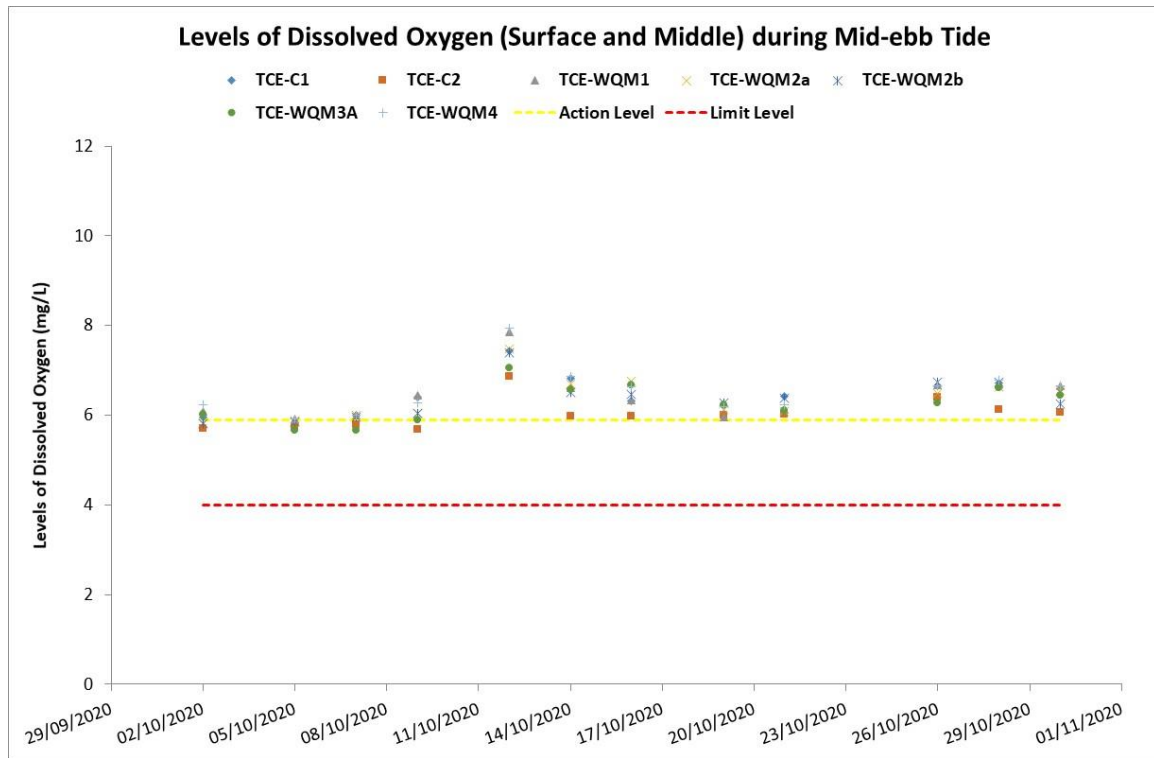


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 October 2020

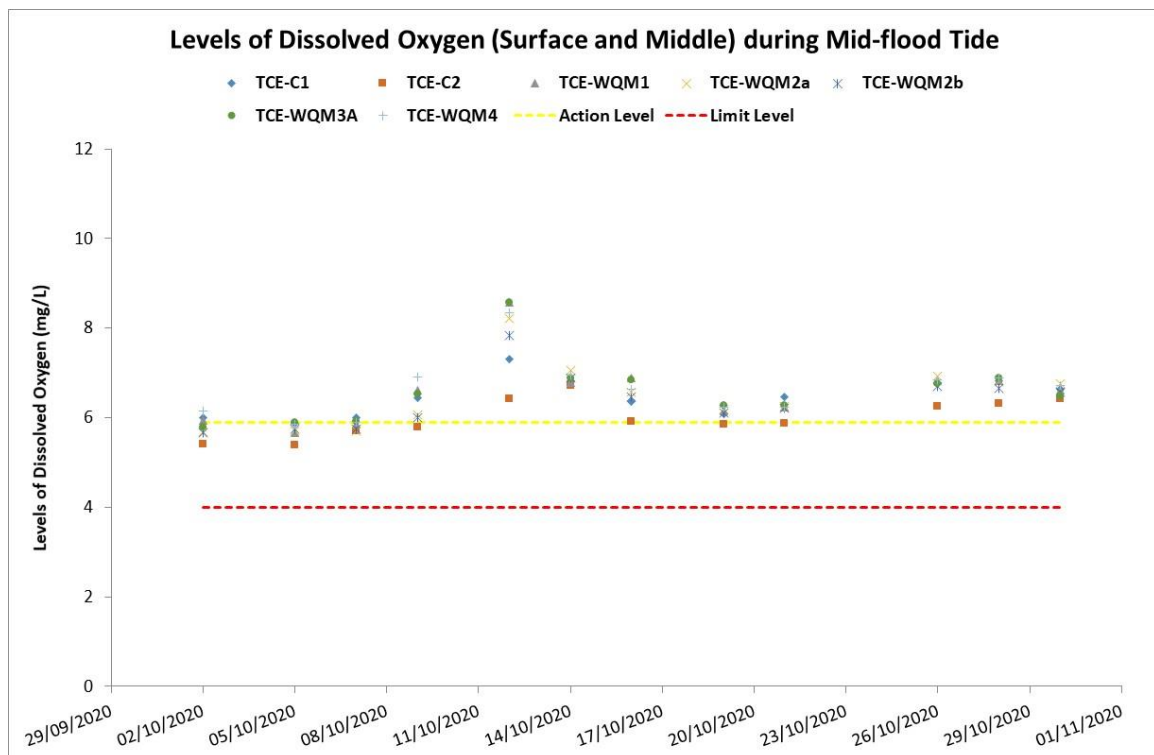


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 October 2020

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

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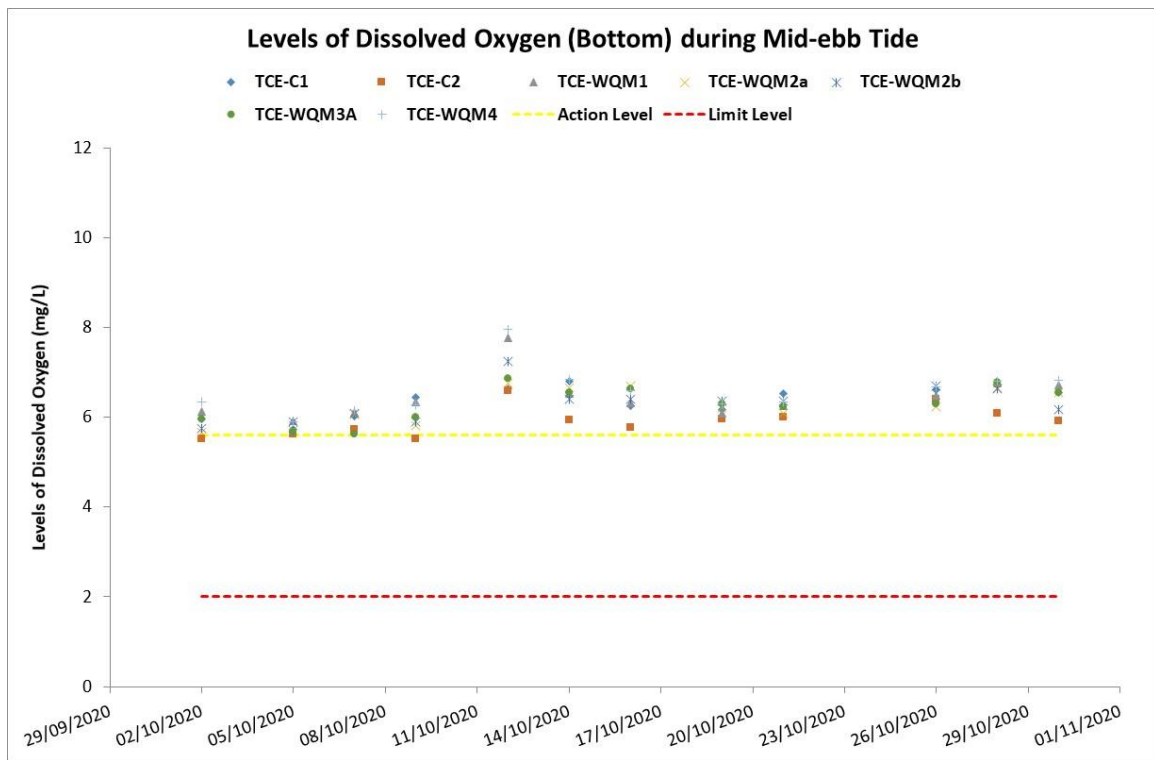


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 October 2020

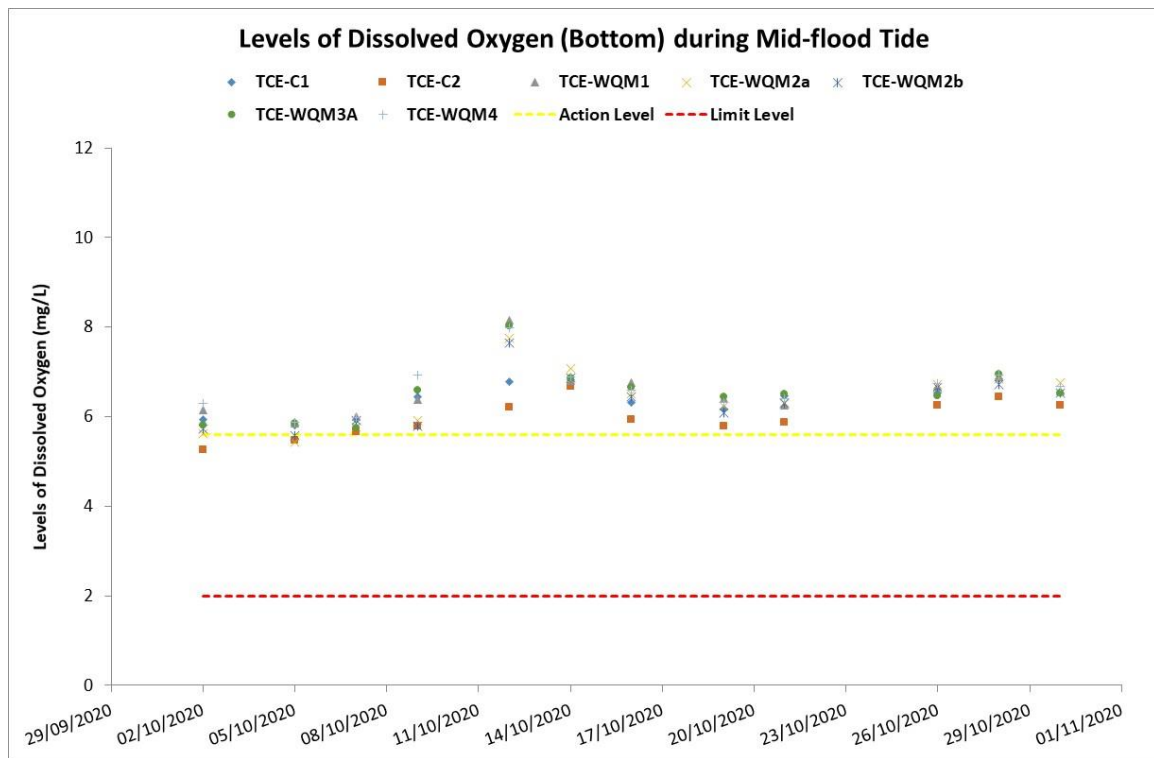


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 October 2020

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

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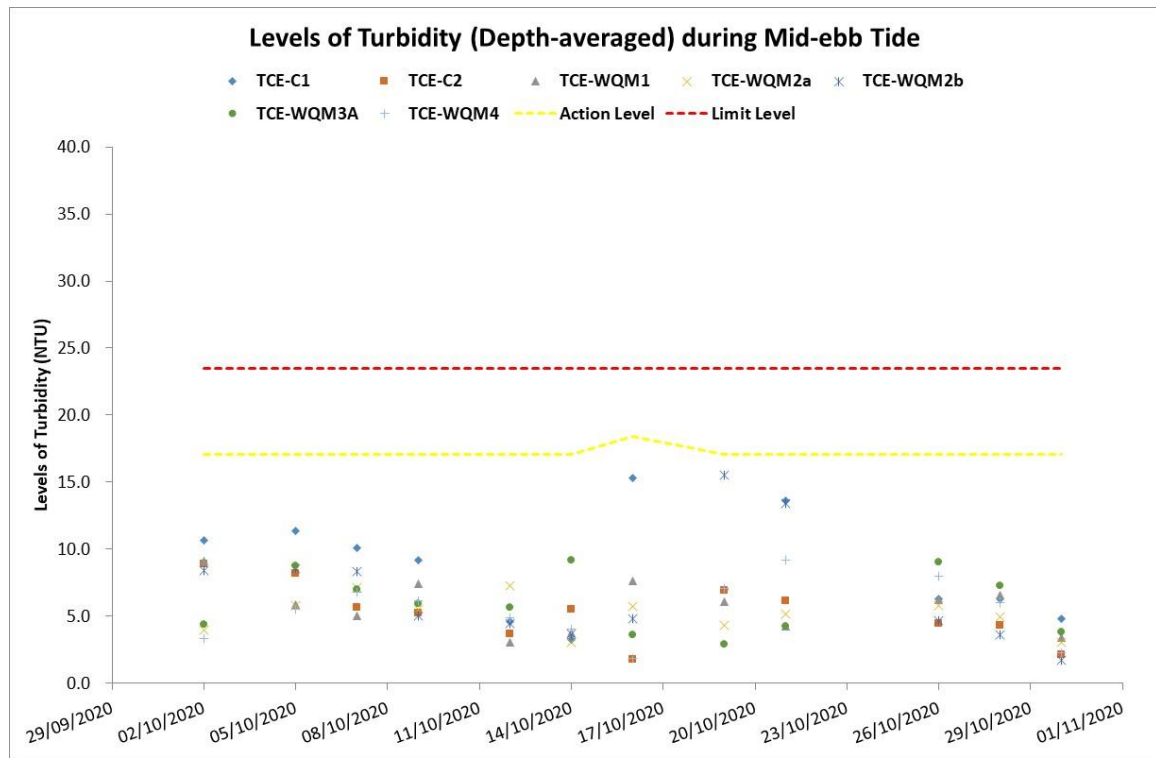


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 October 2020

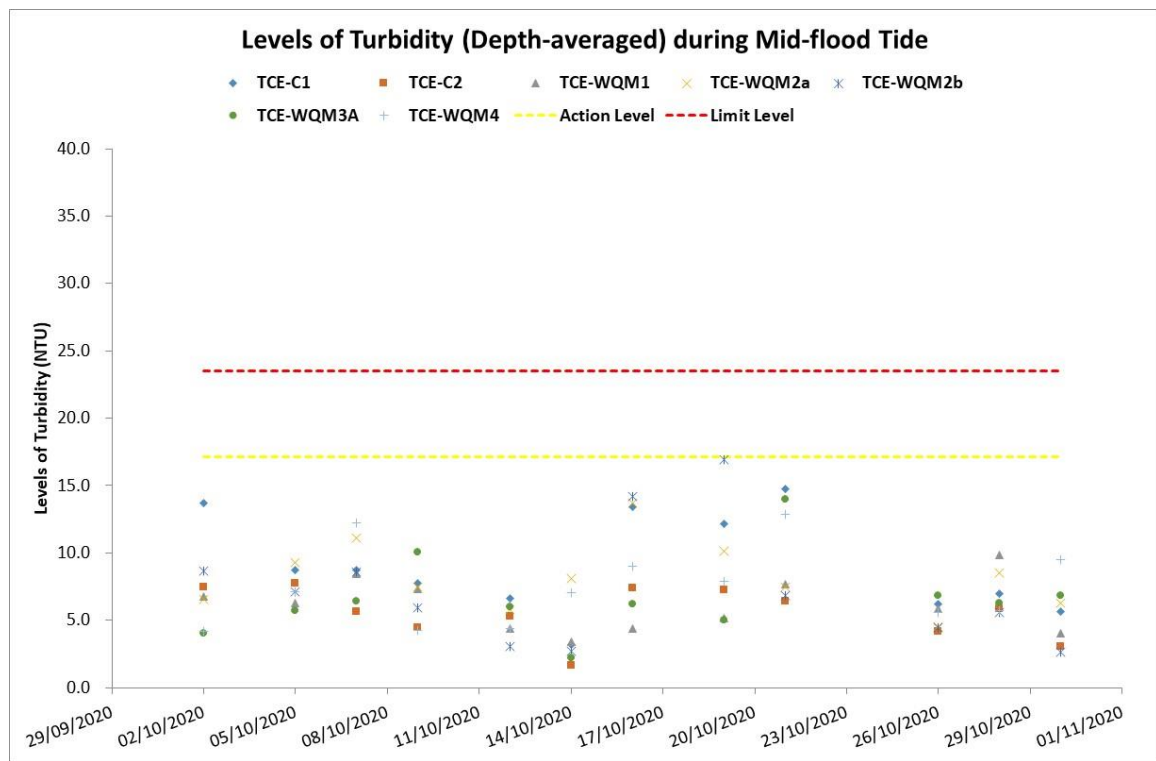


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 October 2020

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

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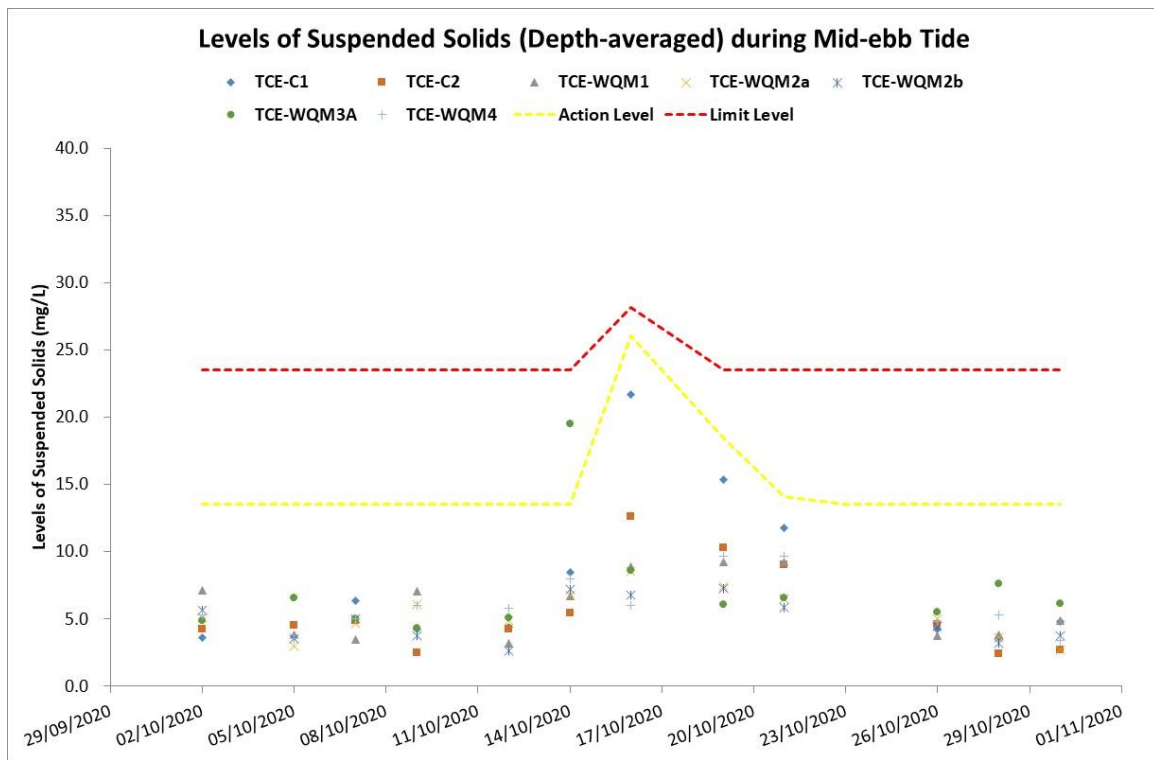


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 October 2020

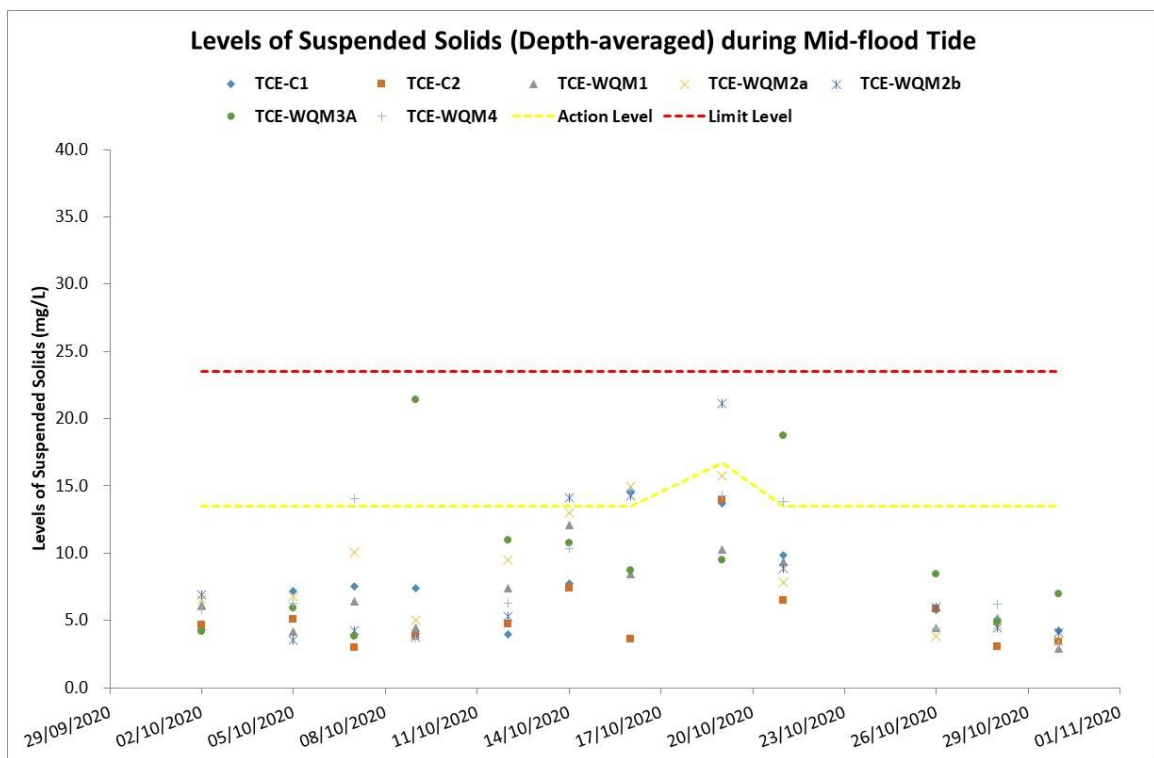


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 October 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: October 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)										
02-10-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:35	8.5	Surface	1.0	1	28.2	8.2	28.1	6.0	90.4	6.9	2.8	6.0	10.6	3.6										
									2	28.2	8.2	28.1	6.0	90.2	7.6	3.1													
							Middle	4.3	1	28.3	8.2	30.4	5.9	89.5	10.9	3.7													
									2	28.3	8.2	30.4	5.9	89.6	11.1	4.0													
							Bottom	7.5	1	28.3	8.2	30.7	5.9	90.4	13.7	3.8													
									2	28.3	8.1	30.7	6.0	90.7	13.6	4.1													
		TCE-C2	Cloudy	Moderate	13:36	13.1	Surface	1.0	1	28.6	2.1	26.9	5.8	87.1	4.2	3.4	5.7	8.9	4.2										
									2	28.6	8.2	26.9	5.8	87.2	4.2	3.6													
							Middle	6.6	1	28.5	8.2	27.4	5.6	83.8	9.5	4.0													
									2	28.5	8.2	27.4	5.6	83.7	9.2	4.2													
							Bottom	12.1	1	28.5	8.2	28.2	5.5	83.0	13.2	4.9													
									2	28.5	8.2	28.1	5.5	83.2	13.0	5.2													
		TCE-WQM1	Cloudy	Moderate	12:15	8.4	Surface	1.0	1	28.3	8.2	26.8	6.1	90.8	5.6	6.4	6.1	9.1	7.1										
									2	28.3	8.2	26.9	6.1	90.8	5.8	6.6													
							Middle	4.2	1	28.2	8.2	27.8	6.1	91.1	9.6	7.4													
									2	28.2	8.2	27.9	6.1	91.2	9.9	7.1													
							Bottom	7.4	1	28.2	8.2	28.1	6.1	91.8	12.0	7.8													
									2	28.2	8.2	28.1	6.1	91.9	11.6	7.5													
		TCE-WQM2a	Cloudy	Moderate	12:56	7.7	Surface	1.0	1	28.5	8.2	26.0	6.0	89.8	3.3	4.6	5.8	4.0	5.1										
									2	28.5	8.2	26.0	6.0	89.8	3.3	4.3													
							Middle	3.9	1	28.4	8.2	26.8	5.7	84.4	3.8	5.1													
									2	28.4	8.2	26.9	5.6	84.3	3.8	4.9													
							Bottom	6.7	1	28.4	8.2	27.7	5.7	84.7	4.8	5.9													
									2	28.4	8.2	27.7	5.7	84.9	4.9	5.7													
		TCE-WQM2b	Cloudy	Moderate	13:10	11.6	Surface	1.0	1	28.7	8.2	25.5	6.0	88.8	4.1	3.9	5.8	8.4	5.7										
									2	28.7	8.2	25.6	6.0	88.7	4.9	4.2													
							Middle	5.8	1	28.4	8.2	27.0	5.7	84.4	7.4	5.6													
									2	28.4	8.2	27.0	5.7	84.6	7.6	5.2													
							Bottom	10.6	1	28.4	8.2	27.0	5.8	85.9	13.3	7.4													
									2	28.4	8.2	27.0	5.8	86.1	13.2	7.7													
		TCE-WQM3A	Cloudy	Calm	12:45	4.5	Surface	1.0	1	28.4	8.2	24.5	6.0	88.8	4.4	3.9	6.0	4.4	4.9										
									2	28.4	8.3	24.5	6.0	88.7	4.4	4.0													
							Bottom	3.5	1	28.4	8.3	26.0	6.0	88.4	4.5	5.6													
									2	28.4	8.3	26.0	6.0	88.6	4.5	5.9													
							TCE-WQM4	Cloudy	Calm	12:32	3.6	Surface	1.0	1	28.4	8.3				25.7	6.2	92.4	3.0	4.6	6.2	3.4	5.3		
														2	28.4	8.2				25.7	6.2	92.4	3.0	4.2					
		Bottom	2.6	1	28.3	8.2						25.9	6.3	93.5	3.7	6.1													
				2	28.3	8.2						25.9	6.4	94.1	3.8	6.4													
		02-10-20	Mid-Flood	TCE-C1	Cloudy	Moderate						7:25	8.8	Surface	1.0	1	28.2	8.1	28.1	6.1	90.8	6.9	3.7	6.0				13.7	4.3
																2	28.2	8.2	28.1	6.1	90.7	7.4	3.5						
							Middle	4.4	1	28.2	8.2			30.0	6.0	90.1	10.0	4.4											
									2	28.3	8.2			30.1	5.9	90.1	10.0	4.2											
							Bottom	7.8	1	28.3	8.2			30.7	5.9	90.2	24.1	5.1											
									2	28.3	8.3			30.7	5.9	90.3	23.8	4.9											
				TCE-C2	Cloudy	Moderate	5:25	12.9	Surface	1.0	1	28.3	8.2	27.5	5.6	83.5	2.7	2.6	5.4	7.5	4.7								
											2	28.3	8.1	27.5	5.6	83.3	2.7	2.8											
									Middle	6.5	1	28.4	8.1	29.0	5.3	79.5	7.7	4.5											
											2	28.4	8.1	29.0	5.3	79.4	8.9	4.9											
Bottom	11.9								1	28.4	8.0	29.1	5.3	79.5	11.4	6.8													
									2	28.4	8.0	29.1	5.3	79.5	11.5	6.4													
TCE-WQM1	Cloudy			Calm	6:41	8.2	Surface	1.0	1	28.2	8.3	26.0	5.9	87.5	5.7	5.4	5.9	6.7	6.2										
									2	28.2	8.2	26.0	5.9	87.5	5.8	5.2													
							Middle	4.1	1	28.2	8.2	26.1	6.0	88.3	7.0	6.1													
									2	28.2	8.2	26.1	6.0	88.5	7.1	6.4													
							Bottom	7.2	1	28.2	8.2	26.1	6.1	91.0	7.5	7.1													
									2	28.2	8.2	26.1	6.2	91.2	7.5	6.8													
TCE-WQM2a	Cloudy			Moderate	6:03	7.6	Surface	1.0	1	28.4	8.2	26.4	5.7	84.9	4.7	5.7	5.7	6.5	6.6										
									2	28.4	8.2	26.4	5.7	84.9	4.7	5.6													
							Middle	3.8	1	28.4	8.2	26.4	5.7	84.6	4.8	6.6													
									2	28.4	8.2	26.4	5.7	84.6	4.8	6.9													
							Bottom	6.6	1	28.5	8.2	27.2	5.6	84.2	9.9	7.5													
									2	28.5	8.2	27.1	5.6	84.5	10.1	7.1													
TCE-WQM2b	Cloudy			Moderate	5:51	11.8	Surface	1.0	1	28.3	8.2	26.6	5.7	84.6	7.0	5.4	5.7	8.6	6.9										
									2	28.3	8.2	26.6	5.7	84.5	7.1	5.9													
							Middle	5.9	1	28.4	8.2	27.1	5.6	84.1	9.2	6.7													
									2	28.4	8.2	27.2	5.6	84.3	9.3	7.1													
							Bottom	10.8	1	28.4	8.2	27.3	5.7	85.6	9.7	8.3													
									2	28.4	8.2	27.3	5.7	85.8	9.6	8.0													
TCE-WQM3A	Cloudy			Calm	6:17	4.4	Surface	1.0	1	28.5	8.2	25.9	5.8	86.1	3.4	5.0	5.8	4.0	4.2										
									2	28.5	8.2	25.9	5.8	86.1	3.4	4.6													
							Bottom	3.4	1	28.4	8.2	26.2	5.8	86.2	4.7	3.4													
									2	28.4	8.2	26.1	5.8	86.4	4.7	3.6													
							TCE-WQM4	Cloudy	Calm	6:30	3.6	Surface	1.0	1	28.1	8.2				25.8	6.1	90.6	4.1	6.4	6.2	4.2	5.8		
														2	28.1	8.2				25.8	6.2	91.1	4.1	6.2					
Bottom	2.6			1	28.1	8.2						25.8	6.3	92.7	4.2	5.4													
				2	28.1	8.2						25.8	6.3	93.0	4.3	5.1													

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)										
05-10-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	3:07	8.1	Surface	1.0	1	28.6	8.1	23.6	5.9	86.2	9.8	4.1	5.8	11.3	3.7										
									2	28.6	8.1	23.6	5.9	86.2	9.7	4.4													
							Middle	4.1	1	28.6	8.2	26.0	5.8	86.0	10.3	3.6													
									2	28.6	8.2	26.0	5.8	86.0	10.3	3.8													
							Bottom	7.1	1	28.4	8.2	28.3	5.7	86.1	14.0	3.1													
									2	28.4	8.2	28.3	5.7	86.2	13.9	3.3													
		TCE-C2	Cloudy	Moderate	0:58	13.4	Surface	1.0	1	28.9	8.0	24.1	5.7	85.1	7.8	3.5	5.7	8.2	4.5										
									2	28.9	8.0	24.1	5.7	85.1	7.8	3.4													
							Middle	6.7	1	28.9	8.0	24.3	5.7	84.6	7.7	4.6													
									2	28.9	8.0	24.3	5.7	84.6	7.8	4.9													
							Bottom	12.4	1	28.8	8.0	24.9	5.6	83.7	9.2	5.5													
									2	28.8	8.0	24.9	5.6	83.7	9.1	5.3													
		TCE-WQM1	Cloudy	Calm	2:28	8.0	Surface	1.0	1	28.7	8.1	24.3	6.0	88.2	4.2	5.2	5.9	5.9	3.9										
									2	28.7	8.1	24.3	6.0	88.2	4.2	4.9													
							Middle	4.0	1	28.8	8.1	24.8	5.9	87.6	4.8	3.9													
									2	28.8	8.1	24.8	5.9	87.6	4.7	3.6													
							Bottom	7.0	1	28.9	8.1	25.6	5.9	88.5	8.8	2.9													
									2	28.9	8.1	25.6	5.9	88.5	8.8	2.6													
		TCE-WQM2a	Cloudy	Moderate	1:50	7.2	Surface	1.0	1	28.7	8.1	24.7	6.0	88.5	4.3	2.3	5.9	5.8	3.0										
									2	28.7	8.1	24.7	6.0	88.5	4.3	2.3													
							Middle	3.6	1	28.8	8.1	25.6	5.8	86.5	7.4	3.0													
									2	28.8	8.1	25.6	5.8	86.4	7.5	2.9													
							Bottom	6.2	1	28.7	8.1	26.1	5.7	85.4	5.6	3.8													
									2	28.7	8.1	26.1	5.7	85.4	5.7	3.7													
		TCE-WQM2b	Cloudy	Moderate	1:37	11.5	Surface	1.0	1	28.9	8.1	22.7	5.8	86.0	7.3	2.7	5.8	8.6	3.6										
									2	28.9	8.1	22.7	5.8	86.0	7.3	3.0													
							Middle	5.8	1	28.9	8.1	22.9	5.9	86.1	8.4	3.7													
									2	28.9	8.1	22.9	5.9	86.1	8.4	3.4													
							Bottom	10.5	1	28.8	8.1	22.9	5.9	86.9	10.1	4.1													
									2	28.8	8.1	22.9	5.9	86.9	10.1	4.4													
		TCE-WQM3A	Cloudy	Calm	2:05	4.1	Surface	1.0	1	28.7	8.1	25.2	5.7	84.3	6.9	6.3	5.7	8.8	6.6										
									2	28.7	8.1	25.2	5.7	84.2	6.9	6.3													
							Bottom	3.1	1	28.8	8.1	25.8	5.7	84.7	10.8	6.7													
									2	28.8	8.1	25.8	5.7	84.8	10.7	7.0													
							TCE-WQM4	Cloudy	Calm	2:16	3.3	Surface	1.0	1	28.8	8.1				24.8	5.9	88.0	4.3	3.2	5.9	5.5	3.5		
														2	28.8	8.1				24.8	5.9	88.0	4.3	3.4					
		Bottom	2.3	1	28.8	8.1						25.3	5.9	88.0	6.9	3.9													
				2	28.8	8.1						25.3	5.9	88.2	6.7	3.6													
		05-10-20	Mid-Flood	TCE-C1	Cloudy	Moderate						7:13	7.9	Surface	1.0	1	28.7	8.1	23.3	5.9	86.6	7.8	6.1	5.9				8.7	7.2
																2	28.7	8.1	23.3	5.9	86.6	7.9	6.4						
							Middle	4.0	1	28.7	8.1			24.4	5.9	87.0	8.8	6.8											
									2	28.7	8.1			24.4	5.9	87.0	8.6	7.1											
							Bottom	6.9	1	28.6	8.2			26.7	5.8	86.9	9.7	8.3											
									2	28.6	8.2			26.6	5.8	86.9	9.5	8.6											
				TCE-C2	Rainy	Moderate	9:42	13.6	Surface	1.0	1	28.5	8.1	27.7	5.4	81.2	5.3	4.0	5.4	7.7	5.1								
											2	28.5	8.1	27.7	5.4	81.2	5.3	4.1											
									Middle	6.8	1	28.5	8.1	28.2	5.4	81.0	7.7	5.1											
											2	28.5	8.1	28.2	5.4	81.0	7.6	5.4											
Bottom	12.6								1	28.5	8.0	28.3	5.5	82.6	10.2	6.0													
									2	28.5	8.0	28.3	5.5	82.7	10.3	5.8													
TCE-WQM1	Cloudy			Calm	7:55	8.3	Surface	1.0	1	28.6	8.1	24.4	5.6	83.3	4.2	3.5	5.7	6.3	4.2										
									2	28.6	8.1	24.4	5.6	83.3	4.3	3.7													
							Middle	4.2	1	28.7	8.1	24.8	5.7	84.8	5.5	4.0													
									2	28.7	8.1	24.8	5.7	85.0	5.7	4.3													
							Bottom	7.3	1	28.8	8.1	25.3	5.9	87.2	9.0	4.6													
									2	28.8	8.1	25.3	5.9	87.2	9.1	4.8													
TCE-WQM2a	Rainy			Moderate	8:50	7.4	Surface	1.0	1	28.7	8.1	23.6	5.8	85.1	6.9	5.3	5.7	9.3	6.8										
									2	28.7	8.1	23.6	5.8	85.1	6.9	5.2													
							Middle	3.7	1	28.8	8.1	24.0	5.7	83.6	8.9	6.9													
									2	28.8	8.1	24.0	5.7	83.5	9.0	7.1													
							Bottom	6.4	1	28.7	8.1	25.6	5.4	80.7	12.0	8.2													
									2	28.7	8.1	25.5	5.4	80.7	12.1	8.0													
TCE-WQM2b	Rainy			Moderate	9:04	12.1	Surface	1.0	1	28.6	8.1	22.9	5.9	86.1	4.7	3.2	5.8	7.1	3.5										
									2	28.6	8.1	23.0	5.9	85.9	4.8	3.0													
							Middle	6.1	1	28.7	8.1	24.3	5.6	83.6	6.9	3.4													
									2	28.7	8.1	24.4	5.6	83.5	6.8	3.6													
							Bottom	11.1	1	28.7	8.1	25.2	5.6	83.0	10.0	4.1													
									2	28.7	8.1	25.2	5.6	83.1	9.7	3.8													
TCE-WQM3A	Rainy			Calm	8:37	4.0	Surface	1.0	1	28.6	8.0	22.9	5.9	86.5	5.5	4.6	5.9	5.7	5.9										
									2	28.6	8.0	22.9	5.9	86.4	5.5	5.0													
							Bottom	3.0	1	28.6	8.1	23.8	5.8	86.1	5.9	7.2													
									2	28.6	8.1	23.8	5.9	86.3	5.9	6.9													
							TCE-WQM4	Rainy	Calm	8:22	3.4	Surface	1.0	1	28.7	8.0				23.3	5.9	86.2	6.5	5.6	5.9	7.1	6.3		
														2	28.7	8.0				23.3	5.9	86.1	6.5	5.9					
Bottom	2.4			1	28.7	8.0						23.6	5.9	86.5	7.7	6.9													
				2	28.7	8.0						23.6	5.9	86.5	7.7	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)					
09-10-20	Mid-Ebb	TCE-C1	Fine	Rough	6:28	7.6	Surface	1.0	1	27.4	8.4	31.6	6.4	96.5	8.0	3.3	6.4	9.2	4.2					
									2	27.4	8.4	31.6	6.4	96.5	8.0	3.0								
							Middle	3.8	1	27.4	8.4	31.6	6.4	96.4	8.6	4.4								
									2	27.4	8.4	31.6	6.4	96.4	8.8	4.6								
							Bottom	6.6	1	27.3	8.4	31.6	6.4	96.9	10.9	4.9								
									2	27.3	8.4	31.6	6.5	97.1	10.8	5.2								
		TCE-C2	Fine	Calm	3:18	11.2	Surface	1.0	1	27.6	8.2	29.8	5.8	87.1	4.0	3.3	5.7	5.3	2.5					
									2	27.6	8.2	29.8	5.8	87.4	4.1	3.6								
							Middle	5.6	1	27.8	8.2	30.8	5.6	84.0	5.1	2.3								
									2	27.8	8.2	30.8	5.6	83.9	5.5	2.2								
							Bottom	10.2	1	27.9	8.2	31.0	5.5	83.5	6.5	1.9								
									2	27.9	8.2	31.0	5.5	83.6	6.4	1.8								
		TCE-WQM1	Fine	Calm	4:31	8.2	Surface	1.0	1	27.4	8.3	28.1	6.6	96.8	5.1	5.3	6.5	7.4	7.1					
									2	27.4	8.3	28.1	6.5	96.5	5.3	4.9								
							Middle	4.1	1	27.3	8.3	28.6	6.4	94.2	7.5	6.4								
									2	27.3	8.3	28.6	6.4	94.1	7.7	6.7								
							Bottom	7.2	1	27.2	8.2	28.8	6.3	93.7	9.6	9.7								
									2	27.2	8.2	28.8	6.3	93.9	9.6	9.5								
		TCE-WQM2a	Fine	Calm	3:56	7.1	Surface	1.0	1	27.7	8.2	28.6	6.3	93.2	4.9	7.1	6.0	5.6	6.1					
									2	27.7	8.2	28.6	6.3	93.2	4.9	7.6								
							Middle	3.6	1	27.6	8.2	29.4	5.8	87.2	5.2	6.1								
									2	27.6	8.2	29.4	5.8	87.0	5.5	6.5								
							Bottom	6.1	1	27.6	8.2	29.6	5.8	86.9	6.5	4.6								
									2	27.6	8.2	29.6	5.8	87.0	6.3	4.4								
TCE-WQM2b	Fine	Calm	3:46	10.6	Surface	1.0	1	27.7	8.2	29.4	6.1	91.7	4.4	4.7	6.0	5.0	3.8							
							2	27.7	8.2	29.4	6.1	91.6	4.5	5.0										
					Middle	5.3	1	27.7	8.2	29.6	6.0	89.4	5.0	4.1										
							2	27.6	8.2	29.6	6.0	89.3	5.1	4.4										
					Bottom	9.6	1	27.6	8.2	29.8	5.9	88.3	5.7	2.2										
							2	27.6	8.2	29.8	5.9	88.3	5.6	2.3										
TCE-WQM3A	Fine	Calm	4:08	3.6	Surface	1.0	1	27.7	8.2	28.9	5.9	88.2	5.8	3.8	5.9	5.9	4.3							
							2	27.7	8.2	29.0	5.9	88.2	5.8	3.9										
					Bottom	2.6	1	27.8	8.2	29.0	6.0	89.7	6.1	4.6										
							2	27.8	8.2	29.0	6.0	90.0	6.1	4.9										
TCE-WQM4	Fine	Calm	4:19	3.5	Surface	1.0	1	27.8	8.2	28.9	6.3	93.9	5.4	5.1	6.3	6.2	6.0							
							2	27.8	8.2	28.9	6.3	93.7	5.5	4.7										
					Bottom	2.5	1	27.7	8.2	29.0	6.3	93.6	6.9	7.2										
							2	27.7	8.2	29.0	6.3	93.8	6.9	7.1										
09-10-20	Mid-Flood	TCE-C1	Sunny	Rough	15:39	7.5	Surface	1.0	1	27.4	8.4	31.6	6.5	97.2	7.3	8.4	6.4	7.8	7.4					
									2	27.4	8.4	31.6	6.5	97.2	7.2	8.2								
							Middle	3.8	1	27.4	8.4	31.6	6.4	96.7	7.7	7.5								
									2	27.4	8.4	31.6	6.4	96.6	7.8	7.2								
							Bottom	6.5	1	27.3	8.4	31.6	6.4	97.0	8.3	6.3								
									2	27.3	8.4	31.6	6.5	97.1	8.3	6.6								
		TCE-C2	Fine	Calm	17:38	11.1	Surface	1.0	1	27.8	8.3	30.8	5.8	88.1	4.4	4.8	5.8	4.4	3.8					
									2	27.8	8.3	30.8	5.8	88.1	4.4	4.4								
							Middle	5.6	1	27.8	8.3	31.3	5.8	87.1	4.1	3.6								
									2	27.8	8.3	31.3	5.8	87.2	4.2	3.9								
							Bottom	10.1	1	27.8	8.3	31.3	5.8	87.7	4.8	3.3								
									2	27.8	8.3	31.3	5.8	87.8	4.7	3.0								
		TCE-WQM1	Sunny	Moderate	16:20	8.0	Surface	1.0	1	27.4	8.3	28.1	6.9	102.1	5.5	5.9	6.6	7.3	4.5					
									2	27.4	8.3	28.1	6.9	101.9	5.6	5.6								
							Middle	4.0	1	27.1	8.3	28.8	6.3	93.4	7.8	4.0								
									2	27.1	8.3	28.8	6.3	93.4	8.0	4.4								
							Bottom	7.0	1	27.2	8.3	28.9	6.4	94.2	8.5	3.3								
									2	27.1	8.3	28.9	6.4	94.6	8.4	3.7								
		TCE-WQM2a	Fine	Moderate	16:58	6.9	Surface	1.0	1	27.8	8.2	29.4	6.4	95.1	5.8	6.6	6.1	7.5	5.0					
									2	27.8	8.2	29.4	6.4	95.1	5.8	6.2								
							Middle	3.5	1	27.7	8.2	29.9	5.8	86.3	7.9	4.6								
									2	27.7	8.2	30.0	5.8	86.5	8.1	4.9								
							Bottom	5.9	1	27.7	8.2	30.0	5.9	88.5	8.7	3.7								
									2	27.7	8.2	29.9	5.9	89.1	8.6	4.0								
TCE-WQM2b	Fine	Moderate	17:10	10.0	Surface	1.0	1	27.8	8.3	29.7	6.3	93.8	4.3	5.0	6.0	5.9	3.7							
							2	27.8	8.3	29.7	6.2	93.7	4.3	5.0										
					Middle	5.0	1	27.7	8.2	30.9	5.7	86.7	6.2	3.6										
							2	27.7	8.2	30.9	5.7	86.7	6.5	3.2										
					Bottom	9.0	1	27.7	8.2	31.0	5.8	87.4	7.2	2.8										
							2	27.7	8.2	30.9	5.8	87.6	7.1	2.7										
TCE-WQM3A	Fine	Calm	16:48	3.4	Surface	1.0	1	27.9	8.3	28.6	6.5	97.5	10.8	20.2	6.5	10.1	21.4							
							2	27.9	8.3	28.6	6.5	97.6	10.9	20.4										
					Bottom	2.4	1	27.8	8.3	28.7	6.6	98.4	9.4	22.6										
							2	27.8	8.3	28.7	6.6	98.5	9.2	22.4										
TCE-WQM4	Sunny	Calm	16:37	3.1	Surface	1.0	1	27.9	8.3	28.7	6.9	103.2	4.2	2.6	6.9	4.2	3.7							
							2	27.9	8.3	28.7	6.9	103.3	4.2	2.7										
					Bottom	2.1	1	27.9	8.3	28.7	6.9	103.7	4.3	4.7										
							2	27.9	8.3	28.7	6.9	103.9	4.3	4.8										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
12-10-20	Mid-Ebb	TCE-C1	Fine	Moderate	10:10	8.0	Surface	1.0	1	28.1	8.3	32.0	8.0	121.9	2.4	5.3	7.4	4.6	4.4
									2	28.2	8.3	31.9	8.0	122.1	2.5	5.6			
							Middle	4.0	1	27.8	8.2	32.8	6.9	105.3	4.1	4.5			
									2	27.8	8.2	32.9	6.9	105.2	4.2	4.3			
							Bottom	7.0	1	27.9	8.2	33.5	6.6	101.8	7.3	3.4			
									2	27.9	8.2	33.5	6.6	102.0	7.3	3.1			
		TCE-C2	Fine	Moderate	8:00	13.1	Surface	1.0	1	28.2	8.2	32.3	7.1	109.1	2.6	3.3	6.9	3.7	4.2
									2	28.2	8.2	32.3	7.1	109.0	2.6	3.2			
							Middle	6.6	1	28.1	8.2	32.5	6.6	101.6	3.9	4.1			
									2	28.1	8.2	32.5	6.6	101.6	4.0	4.4			
							Bottom	12.1	1	28.1	8.2	32.5	6.6	101.0	4.5	5.0			
									2	28.1	8.2	32.5	6.6	101.1	4.6	5.3			
		TCE-WQM1	Fine	Calm	9:21	8.1	Surface	1.0	1	28.8	8.2	32.1	7.8	120.1	2.9	3.1	7.9	3.0	3.2
									2	28.8	8.2	32.1	7.8	120.1	3.0	2.7			
							Middle	4.1	1	28.4	8.3	32.5	8.0	122.5	3.4	3.4			
									2	28.4	8.3	32.5	8.0	122.4	3.3	3.2			
							Bottom	7.1	1	28.3	8.3	32.6	7.8	119.8	2.8	3.4			
									2	28.3	8.3	32.6	7.8	119.6	2.8	3.5			
		TCE-WQM2a	Fine	Moderate	8:43	7.3	Surface	1.0	1	28.6	8.3	32.2	7.7	119.1	4.2	4.0	7.5	7.3	4.9
									2	28.6	8.3	32.2	7.7	119.1	4.2	4.2			
							Middle	3.7	1	28.5	8.3	32.3	7.3	111.6	7.5	4.8			
									2	28.5	8.3	32.3	7.3	111.6	7.7	5.1			
							Bottom	6.3	1	28.2	8.2	32.5	6.8	103.6	10.0	5.7			
									2	28.2	8.2	32.5	6.8	103.9	10.1	5.5			
TCE-WQM2b	Fine	Moderate	8:30	11.8	Surface	1.0	1	28.7	8.2	32.0	7.5	115.6	1.5	3.1	7.4	4.5	2.6		
							2	28.7	8.2	32.0	7.5	115.6	1.5	2.9					
					Middle	5.9	1	28.1	8.2	32.0	7.3	111.7	4.3	2.7					
							2	28.1	8.2	32.0	7.3	111.6	4.4	2.6					
					Bottom	10.8	1	28.1	8.2	32.1	7.2	110.7	7.5	2.2					
							2	28.1	8.2	32.1	7.2	110.6	7.8	2.3					
TCE-WQM3A	Fine	Calm	8:57	4.1	Surface	1.0	1	28.9	8.3	31.3	7.1	109.0	5.2	5.0	7.1	5.7	5.1		
							2	28.9	8.3	31.4	7.0	108.6	5.3	4.6					
					Bottom	3.1	1	28.4	8.2	32.2	6.9	105.5	6.1	5.3					
							2	28.4	8.2	32.2	6.9	105.6	6.0	5.4					
					Surface	1.0	1	28.4	8.3	32.2	7.9	122.1	4.5	6.5					
							2	28.4	8.3	32.2	7.9	122.0	4.4	6.7					
TCE-WQM4	Fine	Calm	9:08	3.2	Surface	1.0	1	28.4	8.3	32.3	8.0	122.5	5.3	4.9	7.9	4.9	5.8		
							2	28.4	8.3	32.3	8.0	122.5	5.3	4.9					
					Bottom	2.2	1	28.4	8.3	32.3	8.0	122.5	5.3	5.1					
							2	28.4	8.3	32.3	8.0	122.4	5.4	5.1					
					Surface	1.0	1	28.1	8.3	32.0	7.7	118.2	3.1	4.5					
							2	28.1	8.3	32.0	7.7	117.9	3.1	4.9					
12-10-20	Mid-Flood	TCE-C1	Fine	Moderate	15:03	8.1	Surface	1.0	1	28.1	8.3	32.0	7.7	118.2	3.1	4.5	7.3	6.6	3.9
									2	28.1	8.3	32.0	7.7	117.9	3.1	4.9			
							Middle	4.1	1	27.8	8.2	33.0	6.9	105.4	6.5	3.9			
									2	27.8	8.2	33.0	6.9	105.3	6.7	3.7			
							Bottom	7.1	1	28.0	8.2	33.5	6.8	104.2	10.0	3.2			
									2	28.0	8.2	33.5	6.8	104.2	10.2	3.4			
		TCE-C2	Fine	Moderate	17:16	13.4	Surface	1.0	1	28.3	8.2	33.0	6.7	102.6	4.1	4.1	6.4	5.3	4.7
									2	28.3	8.2	33.0	6.6	102.4	4.2	4.3			
							Middle	6.7	1	28.3	8.2	33.3	6.2	95.8	4.6	4.9			
									2	28.3	8.2	33.3	6.2	95.8	4.6	4.6			
							Bottom	12.4	1	28.3	8.2	33.4	6.2	96.2	7.1	5.3			
									2	28.3	8.2	33.4	6.2	96.3	7.2	5.0			
		TCE-WQM1	Fine	Calm	15:49	8.5	Surface	1.0	1	28.9	8.3	32.1	8.7	135.0	4.6	6.8	8.6	4.4	7.4
									2	28.9	8.3	32.1	8.7	134.9	4.6	6.5			
							Middle	4.3	1	28.7	8.3	32.2	8.4	130.3	4.6	6.9			
									2	28.7	8.3	32.2	8.4	130.3	4.6	7.1			
							Bottom	7.5	1	28.7	8.3	32.5	8.2	126.2	4.0	8.7			
									2	28.7	8.3	32.5	8.2	126.3	4.0	8.3			
		TCE-WQM2a	Fine	Moderate	16:28	7.4	Surface	1.0	1	28.4	8.3	32.3	8.3	127.2	4.3	10.6	8.2	5.8	9.5
									2	28.4	8.3	32.3	8.3	127.2	4.3	10.3			
							Middle	3.7	1	28.5	8.3	32.4	8.1	125.5	6.1	9.6			
									2	28.5	8.3	32.4	8.2	125.6	6.0	9.9			
							Bottom	6.4	1	28.5	8.3	32.4	7.8	119.7	6.9	8.5			
									2	28.5	8.3	32.4	7.7	119.2	6.9	8.1			
TCE-WQM2b	Fine	Moderate	16:41	12.0	Surface	1.0	1	28.3	8.3	32.6	7.9	121.8	2.6	6.6	7.8	3.0	5.3		
							2	28.3	8.3	32.6	7.9	122.0	2.7	6.8					
					Middle	6.0	1	28.3	8.3	32.6	7.8	119.5	2.8	4.9					
							2	28.3	8.3	32.6	7.8	119.5	2.8	5.2					
					Bottom	11.0	1	28.3	8.3	32.6	7.6	117.6	3.6	4.0					
							2	28.3	8.3	32.6	7.6	117.6	3.7	4.3					
TCE-WQM3A	Fine	Calm	16:15	4.2	Surface	1.0	1	28.8	8.4	32.2	8.6	132.6	6.1	9.9	8.6	6.0	11.0		
							2	28.8	8.4	32.2	8.6	132.6	6.1	9.9					
					Bottom	3.2	1	28.5	8.3	32.3	8.0	123.8	5.9	12.0					
							2	28.5	8.3	32.3	8.0	123.5	5.8	11.7					
					Surface	1.0	1	28.6	8.3	32.4	8.4	129.0	4.0	5.8					
							2	28.6	8.3	32.4	8.3	128.8	3.9	5.7					
TCE-WQM4	Fine	Calm	16:03	3.6	Surface	1.0	1	28.5	8.3	32.5	8.0	123.5	4.8	6.8	8.0	4.4	6.3		
							2	28.5	8.3	32.5	8.0	123.2	4.8	6.9					
					Bottom	2.6	1	28.5	8.3	32.5	8.0	123.5	4.8	6.8					
							2	28.5	8.3	32.5	8.0	123.2	4.8	6.9					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged								
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
14-10-20	Mid-Ebb	TCE-C1	Cloudy	Rough	12:16	8.5	Surface	1.0	1	27.3	8.3	33.6	6.9	104.9	2.1	7.5	6.8	3.3	8.5						
									2	27.3	8.3	33.6	6.9	104.9	2.1	7.3									
							Middle	4.3	1	27.3	8.3	33.8	6.7	102.8	3.8	8.2									
									2	27.3	8.3	33.8	6.8	102.9	4.0	8.1									
				1	27.4	8.3	33.9	6.8	103.8	3.8	9.7														
				2	27.4	8.3	33.9	6.8	103.9	3.8	9.9														
		TCE-C2	Cloudy	Rough	10:06	12.9	Surface	1.0	1	27.9	8.2	33.5	6.1	93.4	3.3	5.0	6.0	5.5	5.4						
									2	27.9	8.2	33.5	6.1	93.2	3.3	5.1									
							Middle	6.5	1	27.9	8.1	33.6	5.9	90.6	5.5	5.3									
									2	27.9	8.1	33.6	5.9	90.7	5.5	5.4									
				1	27.9	8.1	33.6	5.9	91.1	7.7	6.0														
				2	27.9	8.1	33.6	6.0	91.4	7.7	5.7														
	TCE-WQM1	Cloudy	Moderate	11:34	8.8	Surface	1.0	1	27.0	8.3	32.7	6.6	100.2	1.3	5.9	6.6	3.7	6.7							
								2	27.0	8.3	32.7	6.7	100.3	1.4	5.5										
						Middle	4.4	1	27.0	8.3	32.7	6.6	99.4	2.7	6.9										
								2	27.0	8.3	32.7	6.6	99.4	2.8	6.6										
								1	27.1	8.2	32.9	6.5	98.6	7.0	7.5										
								2	27.1	8.2	32.9	6.5	98.7	7.2	7.7										
		TCE-WQM2a	Cloudy	Rough	10:53	7.8	Surface	1.0	1	27.2	8.3	32.5	6.7	101.5	2.1	7.2	6.7	3.0	6.8						
									2	27.2	8.3	32.5	6.7	101.5	2.1	6.8									
							Middle	3.9	1	27.2	8.2	32.6	6.7	100.8	3.4	6.9									
									2	27.2	8.2	32.6	6.7	100.8	3.3	6.7									
									1	27.4	8.2	32.7	6.6	100.7	3.7	6.3									
									2	27.4	8.2	32.7	6.7	100.8	3.6	6.6									
TCE-WQM2b	Cloudy	Rough	10:39	11.2	Surface	1.0	1	27.6	8.2	33.1	6.6	101.0	3.7	6.2	6.5	3.7	7.2								
							2	27.6	8.2	33.1	6.6	100.9	3.7	6.6											
					Middle	5.6	1	27.7	8.2	33.1	6.4	98.1	4.8	7.2											
							2	27.7	8.2	33.1	6.4	98.0	4.9	7.0											
							1	27.7	8.2	33.2	6.4	98.0	2.6	8.2											
							2	27.7	8.2	33.2	6.4	98.0	2.6	7.9											
TCE-WQM3A	Cloudy	Moderate	11:09	4.2	Surface	1.0	1	27.2	8.2	32.1	6.6	98.9	8.8	21.8	6.6	9.2	19.5								
							2	27.2	8.2	32.1	6.6	98.8	9.0	22.2											
					Bottom	3.2	1	27.2	8.2	32.3	6.5	98.7	9.4	17.2											
							2	27.2	8.2	32.3	6.6	98.8	9.5	16.8											
					TCE-WQM4	Cloudy	Moderate	11:20	3.7	Surface	1.0	1	27.1	8.3				32.4	6.9	103.6	3.8	7.0	6.9	4.0	8.0
												2	27.1	8.3				32.4	6.9	103.6	3.9	7.2			
		1	27.1	8.3	32.4	6.9	103.3	4.2	9.0																
		2	27.1	8.3	32.4	6.9	103.3	4.2	8.7																
		1	27.1	8.3	32.4	6.9	103.3	4.2	8.0																
		2	27.1	8.3	32.4	6.9	103.3	4.2	8.1																
		1	27.3	8.3	33.6	6.9	104.5	2.0	8.1																
		2	27.3	8.3	33.6	6.9	104.3	2.1	8.5																
		1	27.3	8.3	33.7	6.8	103.5	2.9	8.0																
		2	27.3	8.3	33.7	6.8	103.7	3.0	7.8																
		1	27.4	8.3	33.9	6.8	103.8	4.9	6.8																
		2	27.4	8.3	33.9	6.8	104.3	4.4	7.2																
		1	27.7	8.2	32.9	6.7	102.8	1.2	8.5																
		2	27.7	8.2	32.9	6.8	102.9	1.2	8.8																
		1	27.7	8.2	32.9	6.7	101.7	1.7	7.2																
		2	27.7	8.2	32.9	6.7	101.9	1.7	7.5																
		1	27.7	8.2	33.1	6.7	101.7	2.1	6.4																
		2	27.7	8.2	33.0	6.7	101.8	2.1	6.1																
		1	27.1	8.3	32.5	6.8	102.7	3.3	12.7																
		2	27.1	8.3	32.5	6.8	102.3	3.3	13.0																
		1	27.1	8.3	32.5	6.8	102.2	3.2	12.2																
		2	27.1	8.3	32.5	6.8	102.2	3.2	12.1																
		1	27.1	8.4	32.6	6.8	102.7	3.6	11.4																
		2	27.1	8.4	32.6	6.8	102.6	3.7	11.0																
		1	27.4	8.2	32.7	7.1	107.8	6.1	15.0																
		2	27.4	8.2	32.7	7.1	107.8	6.1	14.6																
		1	27.4	8.2	32.8	7.0	106.6	7.6	12.5																
		2	27.4	8.2	32.8	7.0	106.3	7.8	12.7																
		1	27.4	8.2	32.8	7.1	107.5	10.6	11.7																
		2	27.4	8.2	32.8	7.1	107.6	10.5	11.4																
		1	27.5	8.3	32.8	6.9	104.7	2.6	15.6																
		2	27.5	8.3	32.8	6.9	104.8	2.6	15.9																
		1	27.5	8.3	32.8	6.9	104.6	2.9	14.0																
		2	27.5	8.3	32.8	6.9	104.7	2.9	14.3																
		1	27.5	8.3	32.7	6.9	104.4	2.6	12.6																
		2	27.5	8.3	32.7	6.9	104.4	2.6	12.4																
		1	27.1	8.3	32.0	6.9	103.4	2.1	9.1																
		2	27.1	8.3	32.0	6.9	103.5	2.2	9.4																
		1	27.1	8.3	32.3	6.9	103.6	2.2	12.0																
		2	27.1	8.3	32.2	6.9	103.5	2.2	12.4																
		1	27.1	8.3	32.4	7.0	104.8	6.3	11.1																
		2	27.1	8.3	32.4	6.9	104.3	6.8	11.3																
		1	27.1	8.3	32.4	6.9	103.8	7.5	9.6																
		2	27.1	8.3	32.4	6.9	103.7	7.7	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 (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)										
16-10-20	Mid-Ebb	TCE-C1	Cloudy	Rough	14:08	7.6	Surface	1.0	1	27.2	8.2	33.5	6.4	96.6	14.3	23.4	6.3	15.4	21.7										
									2	27.2	8.2	33.5	6.4	96.6	14.2	23.9													
							Middle	3.8	1	27.1	8.2	33.6	6.3	95.1	15.4	22.1													
									2	27.1	8.2	33.6	6.3	95.1	15.5	21.7													
							Bottom	6.6	1	27.1	8.2	33.6	6.2	94.7	16.4	19.6													
									2	27.1	8.2	33.6	6.3	95.0	16.3	19.4													
		TCE-C2	Cloudy	Moderate	11:04	11.4	Surface	1.0	1	27.6	8.1	33.4	6.1	93.6	0.8	13.9	6.0	1.8	12.6										
									2	27.6	8.1	33.4	6.1	93.5	0.8	14.1													
							Middle	5.7	1	27.6	8.1	33.5	5.9	89.5	1.6	12.9													
									2	27.6	8.1	33.5	5.8	89.3	1.6	12.5													
							Bottom	10.4	1	27.6	8.1	33.5	5.8	88.1	2.7	10.9													
									2	27.6	8.1	33.5	5.8	88.2	3.1	11.2													
		TCE-WQM1	Cloudy	Moderate	12:30	8.1	Surface	1.0	1	27.1	8.2	33.7	6.4	96.4	7.1	10.1	6.3	7.6	8.9										
									2	27.1	8.2	33.7	6.3	96.3	7.2	9.8													
							Middle	4.1	1	27.1	8.2	33.7	6.3	95.7	8.0	9.4													
									2	27.1	8.2	33.7	6.3	95.9	7.9	9.1													
							Bottom	7.1	1	27.1	8.2	33.7	6.3	95.7	7.7	7.3													
									2	27.1	8.2	33.7	6.3	95.8	7.8	7.5													
		TCE-WQM2a	Cloudy	Moderate	11:52	7.0	Surface	1.0	1	27.3	8.2	32.8	6.8	102.9	6.4	7.3	6.8	5.8	8.5										
									2	27.3	8.2	32.8	6.8	102.9	6.4	7.6													
							Middle	3.5	1	27.2	8.2	32.8	6.7	102.0	5.4	8.4													
									2	27.2	8.2	32.8	6.7	102.0	5.6	8.1													
							Bottom	6.0	1	27.1	8.2	32.9	6.7	100.9	5.5	10.0													
									2	27.1	8.2	32.9	6.7	101.2	5.2	9.8													
		TCE-WQM2b	Cloudy	Moderate	11:41	10.5	Surface	1.0	1	27.4	8.2	32.8	6.6	99.8	4.3	5.0	6.5	4.8	6.8										
									2	27.4	8.2	32.8	6.5	99.1	4.2	5.4													
							Middle	5.3	1	27.3	8.2	32.9	6.4	96.6	4.7	6.5													
									2	27.3	8.2	32.9	6.4	96.4	4.8	6.2													
							Bottom	9.5	1	27.3	8.2	32.9	6.4	96.8	5.4	8.5													
									2	27.3	8.2	32.9	6.4	97.1	5.6	8.9													
		TCE-WQM3A	Cloudy	Calm	12:04	3.4	Surface	1.0	1	27.3	8.2	32.3	6.7	100.9	3.6	8.2	6.7	3.6	8.6										
									2	27.3	8.2	32.3	6.7	101.0	3.7	7.8													
							Bottom	2.4	1	27.3	8.2	32.3	6.6	100.2	3.6	9.3													
									2	27.3	8.2	32.3	6.6	100.2	3.6	9.0													
							TCE-WQM4	Cloudy	Calm	12:15	3.2	Surface	1.0	1	27.3	8.2				32.9	6.6	100.4	1.6	4.6	6.6	1.9	6.0		
														2	27.3	8.2				32.9	6.6	100.3	1.6	4.3					
		Bottom	2.2	1	27.1	8.2						33.1	6.6	99.4	2.1	7.6													
				2	27.1	8.2						33.1	6.6	99.7	2.2	7.5													
		16-10-20	Mid-Flood	TCE-C1	Cloudy	Rough						17:00	7.8	Surface	1.0	1	27.3	8.2	33.4	6.4	97.2	12.3	16.3	6.4				13.4	14.6
																2	27.3	8.2	33.4	6.4	97.1	12.5	15.9						
							Middle	3.9	1	27.2	8.2			33.4	6.3	96.3	13.3	14.5											
									2	27.2	8.2			33.4	6.4	96.4	13.2	14.8											
							Bottom	6.8	1	27.3	8.2			33.5	6.3	95.9	14.5	13.1											
									2	27.3	8.2			33.5	6.3	96.0	14.7	12.7											
				TCE-C2	Fine	Moderate	19:05	11.0	Surface	1.0	1	27.6	8.2	33.4	6.0	91.6	6.0	2.9	5.9	7.4	3.6								
											2	27.6	8.2	33.4	6.0	91.5	5.9	2.6											
									Middle	5.5	1	27.6	8.1	33.5	5.9	89.5	7.2	3.6											
											2	27.6	8.1	33.5	5.9	89.5	7.4	3.7											
Bottom	10.0								1	27.6	8.1	33.5	5.9	90.6	8.9	4.2													
									2	27.6	8.1	33.5	6.0	91.1	9.0	4.5													
TCE-WQM1	Cloudy			Moderate	17:46	8.0	Surface	1.0	1	27.5	8.2	32.9	6.9	105.3	2.8	9.2	6.9	4.4	8.5										
									2	27.5	8.2	32.9	6.9	105.5	2.9	9.5													
							Middle	4.0	1	27.4	8.2	33.0	6.8	103.8	3.7	8.8													
									2	27.4	8.2	33.0	6.8	103.6	4.0	8.6													
							Bottom	7.0	1	27.4	8.2	33.3	6.8	103.0	6.3	7.4													
									2	27.4	8.2	33.3	6.8	102.7	6.4	7.3													
TCE-WQM2a	Fine			Calm	18:22	6.8	Surface	1.0	1	27.4	8.2	32.9	6.6	100.3	11.7	12.7	6.6	13.7	15.0										
									2	27.4	8.2	32.9	6.6	100.3	11.7	13.1													
							Middle	3.4	1	27.4	8.2	32.9	6.5	99.1	13.8	15.3													
									2	27.4	8.2	32.9	6.5	99.1	13.9	15.1													
							Bottom	5.8	1	27.4	8.2	32.9	6.5	98.7	15.4	17.0													
									2	27.4	8.2	32.9	6.5	98.7	15.6	16.7													
TCE-WQM2b	Fine			Moderate	18:33	10.0	Surface	1.0	1	27.4	8.2	32.9	6.5	98.5	12.4	16.5	6.5	14.2	14.3										
									2	27.4	8.2	32.9	6.5	98.3	12.6	16.1													
							Middle	5.0	1	27.4	8.2	32.9	6.4	97.6	14.7	14.2													
									2	27.4	8.2	32.9	6.4	97.8	14.8	14.6													
							Bottom	9.0	1	27.4	8.2	33.0	6.5	98.1	15.3	11.9													
									2	27.4	8.2	33.0	6.4	97.8	15.4	12.3													
TCE-WQM3A	Fine			Calm	18:10	3.4	Surface	1.0	1	27.6	8.2	32.8	6.9	104.2	4.9	7.7	6.8	6.2	8.7										
									2	27.6	8.2	32.8	6.8	103.7	5.2	7.4													
							Bottom	2.4	1	27.5	8.2	32.8	6.7	101.8	7.0	10.0													
									2	27.5	8.2	32.8	6.6	100.8	7.7	9.7													
							TCE-WQM4	Cloudy	Calm	17:59	3.0	Surface	1.0	1	27.4	8.2				32.9	6.6	101.0	8.4	14.1	6.6	9.0	14.7		
														2	27.5	8.2				32.9	6.6	100.8	8.9	14.1					
Bottom	2.0			1	27.5	8.2						32.9	6.6	100.3	9.5	15.4													
				2	27.5	8.2						32.9	6.6	100.0	9.2	15.1													

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)										
21-10-20	Mid-Ebb	TCE-C1	Cloudy	Rough	4:26	7.7	Surface	1.0	1	25.8	8.2	32.4	6.4	94.8	13.1	13.4	6.4	13.6	11.8										
									2	25.8	8.2	32.4	6.4	94.9	13.2	13.0													
							Middle	3.9	1	25.8	8.2	32.4	6.4	94.3	13.4	11.6													
									2	25.8	8.2	32.4	6.4	94.7	13.1	11.2													
							Bottom	6.7	1	25.8	8.1	32.4	6.5	96.2	14.7	10.5													
									2	25.8	8.1	32.4	6.5	96.3	14.3	10.8													
		TCE-C2	Cloudy	Moderate	2:26	12.8	Surface	1.0	1	26.3	8.2	32.8	6.0	90.0	5.4	9.4	6.0	6.1	9.0										
									2	26.3	8.2	32.8	6.1	90.1	5.2	9.7													
							Middle	6.4	1	26.5	8.1	33.0	6.0	89.5	5.6	9.1													
									2	26.5	8.1	33.0	6.0	89.6	5.7	8.9													
							Bottom	11.8	1	26.5	8.1	33.0	6.0	89.9	7.4	8.5													
									2	26.5	8.1	33.0	6.0	90.0	7.5	8.4													
		TCE-WQM1	Cloudy	Moderate	3:45	8.0	Surface	1.0	1	25.9	8.2	32.7	6.1	90.8	4.5	8.0	6.1	4.3	9.3										
									2	25.9	8.2	32.7	6.1	90.8	4.3	8.3													
							Middle	4.0	1	26.0	8.1	32.7	6.1	90.7	4.2	8.9													
									2	26.0	8.1	32.7	6.1	90.7	4.2	9.3													
							Bottom	7.0	1	26.0	8.1	32.7	6.3	92.6	4.3	10.4													
									2	26.0	8.1	32.7	6.3	92.7	4.2	10.7													
		TCE-WQM2a	Cloudy	Moderate	3:08	6.4	Surface	1.0	1	26.2	8.2	32.8	6.1	91.0	3.8	5.6	6.1	5.2	6.5										
									2	26.2	8.2	32.8	6.1	91.0	3.8	5.4													
							Middle	3.2	1	26.3	8.1	32.8	6.1	90.4	4.8	6.6													
									2	26.3	8.1	32.8	6.1	90.4	4.9	6.4													
							Bottom	5.4	1	26.4	8.1	32.8	6.1	90.7	6.5	7.3													
									2	26.4	8.1	32.8	6.1	90.7	7.1	7.5													
		TCE-WQM2b	Cloudy	Moderate	2:55	10.9	Surface	1.0	1	25.8	8.2	32.4	6.4	94.2	11.2	6.2	6.4	13.4	5.9										
									2	25.8	8.2	32.4	6.4	94.2	11.7	6.3													
							Middle	5.5	1	25.9	8.1	32.4	6.4	93.8	13.4	5.7													
									2	25.9	8.1	32.4	6.4	93.9	13.5	5.6													
							Bottom	9.9	1	25.9	8.1	32.4	6.4	93.8	15.4	5.9													
									2	25.9	8.1	32.4	6.4	94.0	15.1	5.5													
		TCE-WQM3A	Cloudy	Moderate	3:22	4.1	Surface	1.0	1	26.3	8.2	32.6	6.1	90.6	3.5	6.7	6.1	4.3	6.6										
									2	26.3	8.2	32.6	6.1	90.8	3.6	7.0													
							Bottom	3.1	1	26.2	8.2	32.7	6.2	92.7	4.9	6.1													
									2	26.2	8.2	32.7	6.2	92.9	5.0	6.5													
							TCE-WQM4	Cloudy	Moderate	3:33	3.7	Surface	1.0	1	26.1	8.2				32.7	6.2	92.7	7.8	10.3	6.2	9.2	9.7		
														2	26.1	8.2				32.7	6.2	92.6	7.9	10.5					
		Bottom	2.7	1	26.1	8.2						32.7	6.3	93.8	10.6	9.1													
				2	26.1	8.2						32.7	6.3	94.1	10.5	8.7													
		21-10-20	Mid-Flood	TCE-C1	Fine	Rough						9:16	7.6	Surface	1.0	1	25.6	8.2	31.9	6.5	95.1	14.2	10.7	6.5				14.8	9.8
																2	25.6	8.2	31.9	6.5	95.0	14.1	10.5						
							Middle	3.8	1	25.7	8.1			32.1	6.4	94.5	14.8	9.8											
									2	25.7	8.1			32.1	6.5	94.8	14.9	9.7											
							Bottom	6.6	1	25.7	8.1			32.2	6.5	95.0	15.3	9.0											
									2	25.7	8.1			32.2	6.5	95.0	15.3	9.2											
				TCE-C2	Fine	Rough	11:35	12.9	Surface	1.0	1	26.6	8.1	33.5	5.9	89.3	3.0	5.9	5.9	6.4	6.5								
											2	26.6	8.1	33.5	5.9	89.0	3.1	6.1											
									Middle	6.5	1	26.6	8.1	33.6	5.8	87.7	7.3	6.4											
											2	26.6	8.1	33.6	5.8	87.6	7.4	6.6											
Bottom	11.9								1	26.6	8.1	33.7	5.9	88.2	9.1	6.9													
									2	26.6	8.1	33.7	5.9	88.6	8.6	7.2													
TCE-WQM1	Fine			Moderate	10:11	8.0	Surface	1.0	1	26.0	8.1	32.7	6.2	92.2	5.0	8.8	6.2	7.7	9.4										
									2	26.0	8.1	32.7	6.2	92.2	5.2	8.5													
							Middle	4.0	1	26.0	8.1	32.7	6.2	92.4	7.5	9.4													
									2	26.0	8.1	32.7	6.2	92.3	7.6	9.0													
							Bottom	7.0	1	25.9	8.1	32.7	6.3	92.7	10.2	10.4													
									2	25.9	8.1	32.7	6.3	92.7	10.5	10.0													
TCE-WQM2a	Fine			Moderate	10:51	7.3	Surface	1.0	1	26.3	8.1	32.6	6.3	93.3	5.2	7.1	6.3	7.5	7.8										
									2	26.3	8.1	32.6	6.3	93.3	5.2	7.4													
							Middle	3.7	1	26.3	8.1	32.7	6.3	93.1	7.5	8.1													
									2	26.3	8.1	32.7	6.3	93.1	7.7	7.8													
							Bottom	6.3	1	26.3	8.1	32.7	6.3	93.9	9.6	8.3													
									2	26.3	8.1	32.7	6.3	94.3	9.5	8.1													
TCE-WQM2b	Fine			Moderate	11:03	11.1	Surface	1.0	1	26.3	8.1	32.8	6.2	92.6	5.3	8.2	6.2	6.8	8.9										
									2	26.3	8.1	32.8	6.2	92.8	5.4	8.0													
							Middle	5.6	1	26.3	8.1	32.8	6.2	92.6	7.6	8.7													
									2	26.3	8.1	32.8	6.2	92.5	7.4	8.7													
							Bottom	10.1	1	26.3	8.1	32.8	6.3	93.7	7.7	9.9													
									2	26.3	8.1	32.8	6.3	94.1	7.6	9.7													
TCE-WQM3A	Fine			Moderate	10:37	4.0	Surface	1.0	1	26.1	8.2	32.7	6.3	93.3	13.7	17.5	6.3	14.0	18.7										
									2	26.1	8.2	32.7	6.3	93.3	13.7	17.9													
							Bottom	3.0	1	26.1	8.2	32.7	6.5	96.5	14.3	19.6													
									2	26.1	8.2	32.7	6.5	96.9	14.2	19.9													
							TCE-WQM4	Fine	Moderate	10:25	3.8	Surface	1.0	1	26.2	8.1				32.7	6.2	92.8	10.5	15.2	6.2	12.9	13.9		
														2	26.2	8.1				32.7	6.2	92.7	10.9	15.0					
Bottom	2.8			1	26.2	8.1						32.7	6.4	94.9	15.1	12.7													
				2	26.2	8.1						32.7	6.4	95.1	15.0	12.5													

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)			
26-10-20	Mid-Ebb	TCE-C1	Sunny	Moderate	10:52	8.7	Surface	1.0	1	24.5	8.3	32.0	6.7	96.7	5.0	3.3	6.7	6.3	4.3			
									2	24.4	8.3	32.1	6.7	96.3	5.1	3.1						
							Middle	4.4	1	24.4	8.3	32.4	6.6	95.0	5.4	4.6						
							Bottom	7.7	1	24.5	8.3	32.5	6.6	94.9	5.4	4.6						
						2	24.5	8.3	32.5	6.6	95.2	8.1	5.2	6.6								
				2	24.5	8.3	32.5	6.6	95.3	8.7	4.8											
		TCE-C2	Sunny	Moderate	8:14	13.6	Surface	1.0	1	24.7	8.2	32.1	6.4				92.9	3.9	5.5	6.4	4.5	4.6
								2	24.7	8.2	32.1	6.4	92.9				3.9	5.7				
		Middle					6.8	1	24.6	8.3	32.2	6.4	92.1	4.5	4.8							
		Bottom					12.6	1	24.6	8.3	32.2	6.4	92.2	4.5	4.5							
						2	24.6	8.3	32.2	6.4	92.3	5.1	3.5	6.4								
				2	24.6	8.3	32.2	6.4	92.3	5.1	3.8											
		TCE-WQM1	Sunny	Moderate	9:38	8.4	Surface	1.0	1	24.7	8.2	31.7	6.8				98.0	3.9	4.3	6.7	6.2	3.8
								2	24.7	8.2	31.7	6.8	98.0				3.9	4.1				
		Middle					4.2	1	24.3	8.2	32.2	6.6	94.1	4.9	3.6							
		Bottom					7.4	1	24.3	8.2	32.2	6.5	93.9	5.2	3.7							
						2	24.2	8.2	32.3	6.5	92.8	9.9	3.3	6.5								
				2	24.2	8.2	32.3	6.5	93.1	9.6	3.5											
		TCE-WQM2a	Sunny	Moderate	8:59	6.6	Surface	1.0	1	24.3	8.2	31.8	6.6				94.4	4.1	3.9	6.5	5.8	5.1
								2	24.3	8.2	31.8	6.6	94.4				4.1	3.6				
		Middle					3.3	1	24.3	8.2	31.9	6.4	91.5	6.2	5.3							
		Bottom					5.6	1	24.5	8.2	32.2	6.2	89.8	6.8	6.4							
						2	24.5	8.2	32.2	6.3	90.0	6.8	6.1	6.2								
				2	24.5	8.2	32.2	6.3	90.0	6.8	6.1											
		TCE-WQM2b	Sunny	Moderate	8:47	11.5	Surface	1.0	1	24.4	8.2	31.9	6.8				97.2	4.0	6.0	6.7	4.7	4.4
								2	24.4	8.2	31.9	6.8	97.2				4.2	5.7				
		Middle					5.8	1	24.3	8.2	32.0	6.7	96.4	4.6	4.4							
		Bottom					10.5	1	24.3	8.2	32.0	6.7	96.3	4.7	4.7							
						2	24.3	8.2	32.1	6.7	96.0	5.2	2.8	6.7								
				2	24.3	8.2	32.1	6.7	96.1	5.3	3.0											
		TCE-WQM3A	Sunny	Moderate	9:12	4.3	Surface	1.0	1	24.7	8.2	31.8	6.3				90.7	8.7	4.5	6.3	9.1	5.5
								2	24.7	8.2	31.8	6.3	90.6				8.9	4.7				
		Bottom					3.3	1	24.7	8.2	31.9	6.3	90.9	9.5	6.5							
								2	24.7	8.2	31.9	6.3	91.0	9.2	6.3							
						2	24.7	8.2	31.9	6.3	91.0	9.2	6.3	6.3								
				2	24.7	8.2	31.9	6.3	91.0	9.2	6.3											
		TCE-WQM4	Sunny	Moderate	9:24	3.1	Surface	1.0	1	24.7	8.2	31.8	6.7				96.0	6.4	3.5	6.7	8.0	4.8
								2	24.7	8.2	31.8	6.7	96.0				6.5	3.8				
		Bottom					2.1	1	24.4	8.2	31.9	6.7	95.8	9.8	5.9							
								2	24.4	8.2	31.9	6.7	95.8	9.3	6.1							
						2	24.4	8.2	31.9	6.7	95.8	9.3	6.1	6.7								
				2	24.4	8.2	31.9	6.7	95.8	9.3	6.1											
		TCE-C1	Cloudy	Moderate	15:18	8.2	Surface	1.0	1	24.6	8.3	31.8	7.0				100.0	3.5	4.2	6.8	6.2	5.8
								2	24.6	8.3	31.8	7.0	99.9				3.5	4.6				
		Middle					4.1	1	24.5	8.3	32.5	6.6	95.0	6.6	6.0							
		Bottom					7.2	1	24.5	8.3	32.5	6.6	94.8	6.9	5.8							
						2	24.6	8.3	32.7	6.5	94.3	8.1	7.0	6.5								
				2	24.6	8.3	32.7	6.5	94.3	8.4	7.2											
TCE-C2	Cloudy	Moderate	17:48	12.6	Surface	1.0	1	24.9	8.2	32.4	6.3	91.3	3.5				4.4	6.2	4.2	5.9		
						2	24.9	8.2	32.4	6.3	91.2	3.5	4.8									
Middle					6.3	1	24.9	8.2	32.5	6.2	90.1	3.6	5.4									
Bottom					11.6	1	24.9	8.2	32.5	6.2	90.0	3.7	5.8									
				2	24.9	8.2	32.5	6.2	90.6	5.3	7.3	6.2										
		2	24.9	8.2	32.5	6.3	90.9	5.3	7.6													
TCE-WQM1	Cloudy	Moderate	16:22	8.4	Surface	1.0	1	25.1	8.3	31.8	6.9				99.7	4.9	3.3	6.8	5.9	4.4		
						2	25.1	8.3	31.8	6.9	99.7				5.0	3.6						
Middle					4.2	1	25.0	8.3	31.9	6.8	98.8	5.0	4.5									
Bottom					7.4	1	24.9	8.3	31.9	6.8	98.5	5.4	4.0									
				2	24.5	8.3	32.1	6.7	96.1	7.4	5.8	6.7										
		2	24.5	8.3	32.1	6.7	96.0	7.5	5.4													
TCE-WQM2a	Cloudy	Moderate	17:02	7.2	Surface	1.0	1	24.8	8.3	32.0	7.0				101.7	3.3	4.7	6.9	4.5	3.9		
						2	24.8	8.3	32.0	7.0	101.7				3.3	4.3						
Middle					3.6	1	24.6	8.3	32.1	6.8	98.4	4.5	3.7									
Bottom					6.2	1	24.6	8.3	32.1	6.8	98.3	4.7	4.0									
				2	24.6	8.3	32.1	6.7	96.9	5.4	3.1	6.7										
		2	24.6	8.3	32.1	6.7	96.6	6.0	3.3													
TCE-WQM2b	Cloudy	Moderate	17:14	12.0	Surface	1.0	1	24.5	8.3	32.1	6.7				96.7	3.8	4.9	6.7	4.5	6.0		
						2	24.5	8.3	32.1	6.7	96.7				3.8	4.6						
Middle					6.0	1	24.5	8.2	32.1	6.7	96.2	4.3	6.1									
Bottom					11.0	1	24.5	8.2	32.1	6.7	96.2	4.3	5.8									
				2	24.5	8.2	32.1	6.7	95.8	5.2	7.4	6.6										
		2	24.5	8.2	32.1	6.7	95.7	5.4	7.0													
TCE-WQM3A	Cloudy	Moderate	16:48	4.7	Surface	1.0	1	25.5	8.3	31.9	6.8				98.9	4.9	9.9	6.8	6.8	8.5		
						2	25.4	8.3	32.0	6.8	98.8				5.2	9.6						
Bottom					3.7	1	25.0	8.2	32.1	6.5	93.9	8.5	7.3									
						2	25.0	8.2	32.1	6.5	94.0	8.6	7.0									
				2	25.0	8.2	32.1	6.5	94.0	8.6	7.0	6.5										
		2	25.0	8.2	32.1	6.5	94.0	8.6	7.0													
TCE-WQM4	Cloudy	Moderate	16:37	3.7	Surface	1.0	1	25.4	8.2	32.1	6.9				100.1	4.6	3.7	6.9	5.6	4.4		
						2	25.4	8.2	32.1	6.9	100.1				4.6	3.5						
Bottom					2.7	1	24.9	8.2	32.0	6.7	97.5	6.6	5.2									
						2	24.9	8.2	32.0	6.7	97.5	6.6	5.0									

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
28-10-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:10	8.2	Surface	1.0	1	24.5	8.3	32.0	6.8	97.6	4.6	3.1	6.7	6.3	3.7								
									2	24.5	8.3	32.0	6.8	97.4	4.7	3.0											
							Middle	4.1	1	24.5	8.3	32.2	6.7	95.8	5.4	3.5											
									2	24.5	8.3	32.2	6.7	95.7	5.4	3.6											
							Bottom	7.2	1	24.5	8.3	32.3	6.7	96.8	8.6	4.4											
									2	24.5	8.3	32.3	6.8	97.2	8.9	4.3											
		TCE-C2	Cloudy	Moderate	9:58	13.6	Surface	1.0	1	24.8	8.2	32.3	6.2	89.6	3.6	2.2	6.1	4.3	2.4								
									2	24.8	8.2	32.3	6.2	89.4	3.6	2.1											
							Middle	6.8	1	24.9	8.2	32.4	6.1	88.2	3.8	2.3											
									2	24.9	8.2	32.4	6.1	88.2	3.8	2.4											
							Bottom	12.6	1	24.9	8.2	32.4	6.1	88.3	5.6	2.8											
									2	24.9	8.2	32.4	6.1	88.5	5.7	2.7											
		TCE-WQM1	Cloudy	Moderate	11:26	8.6	Surface	1.0	1	24.7	8.3	31.6	6.7	96.5	5.0	3.1	6.7	6.6	3.8								
									2	24.7	8.3	31.6	6.7	96.5	5.0	3.3											
							Middle	4.3	1	24.7	8.3	31.6	6.7	96.5	6.6	3.9											
									2	24.7	8.3	31.6	6.7	96.5	6.7	3.7											
							Bottom	7.6	1	24.7	8.3	31.6	6.8	97.4	8.0	4.6											
									2	24.7	8.3	31.6	6.8	97.4	8.1	4.3											
		TCE-WQM2a	Cloudy	Moderate	10:51	7.5	Surface	1.0	1	24.6	8.3	31.5	6.7	96.2	3.9	3.2	6.6	5.0	3.6								
									2	24.6	8.3	31.5	6.7	96.2	3.9	3.3											
							Middle	3.8	1	24.7	8.3	31.7	6.6	94.9	4.6	3.5											
									2	24.7	8.3	31.7	6.6	94.8	4.7	3.5											
							Bottom	6.5	1	24.7	8.2	31.7	6.6	95.7	6.7	4.2											
									2	24.7	8.2	31.7	6.7	95.8	6.1	4.1											
		TCE-WQM2b	Cloudy	Moderate	10:37	11.6	Surface	1.0	1	24.6	8.3	30.1	6.9	97.7	3.2	3.8	6.7	3.6	3.2								
									2	24.6	8.3	30.2	6.8	97.6	3.2	3.7											
							Middle	5.8	1	24.6	8.3	31.4	6.6	95.5	3.2	3.3											
									2	24.6	8.3	31.4	6.6	95.4	3.2	3.1											
							Bottom	10.6	1	24.6	8.3	31.8	6.6	95.4	4.5	2.5											
									2	24.6	8.3	31.8	6.6	95.6	4.5	2.6											
		TCE-WQM3A	Cloudy	Moderate	11:04	4.3	Surface	1.0	1	24.6	8.3	31.2	6.6	94.9	7.0	6.7	6.6	7.3	7.6								
									2	24.6	8.3	31.2	6.6	94.9	7.0	7.1											
							Bottom	3.3	1	24.6	8.3	31.3	6.8	97.2	7.6	8.1											
									2	24.6	8.3	31.3	6.8	97.3	7.6	8.5											
							TCE-WQM4	Cloudy	Moderate	11:15	3.9	Surface	1.0	1	24.6	8.3				31.6	6.8	97.4	5.7	3.3	6.8	6.0	5.3
													2	24.6	8.3	31.6				6.8	97.5	5.8	3.1				
		Bottom	2.9	1	24.6	8.3	31.7					6.8	97.8	6.2	7.5												
				2	24.6	8.3	31.7					6.8	97.9	6.4	7.4												
		TCE-C1	Rainy	Moderate	16:10	8.2	Surface					1.0	1	24.5	8.3	31.2	6.9	98.4	5.5	4.2	6.8	7.0	5.1				
												2	24.5	8.3	31.3	6.9	98.2	5.5	4.2								
		Middle					4.1	1	24.5	8.3	31.5	6.8	97.7	5.8	4.4												
								2	24.5	8.3	31.5	6.8	97.7	5.8	4.8												
		Bottom					7.2	1	24.5	8.4	31.8	6.8	98.3	9.7	6.2												
								2	24.5	8.4	31.8	6.9	98.5	9.8	6.9												
		TCE-C2	Rainy	Moderate	18:18	13.5	Surface	1.0	1	24.7	8.3	31.9	6.4	91.8	4.0	3.6	6.3	5.9	3.1								
									2	24.7	8.3	32.0	6.4	91.7	4.0	3.8											
							Middle	6.8	1	24.8	8.2	32.3	6.3	91.1	6.3	3.1											
									2	24.8	8.2	32.3	6.3	91.2	6.5	3.2											
Bottom	12.5						1	24.8	8.2	32.3	6.4	93.3	7.3	2.3													
							2	24.8	8.2	32.3	6.5	93.4	7.2	2.3													
TCE-WQM1	Rainy	Moderate	16:51	8.5	Surface	1.0	1	24.8	8.3	31.5	6.8	98.2	6.5	4.8	6.8	9.8	5.2										
							2	24.8	8.3	31.5	6.8	98.3	6.7	4.7													
					Middle	4.3	1	24.8	8.3	31.6	6.8	98.7	9.9	5.0													
							2	24.8	8.3	31.6	6.8	98.7	10.2	5.2													
					Bottom	7.5	1	24.8	8.3	31.6	6.9	99.4	12.7	5.7													
							2	24.8	8.3	31.6	6.9	99.5	12.9	5.5													
TCE-WQM2a	Rainy	Moderate	17:33	7.5	Surface	1.0	1	24.7	8.3	30.6	6.8	97.6	5.8	2.0	6.8	8.5	4.6										
							2	24.7	8.3	30.6	6.8	97.6	5.8	2.0													
					Middle	3.8	1	24.7	8.3	31.0	6.8	97.5	8.2	5.1													
							2	24.7	8.3	31.1	6.8	97.5	7.8	5.3													
					Bottom	6.5	1	24.6	8.3	31.2	6.8	98.1	11.1	6.5													
							2	24.6	8.3	31.2	6.8	98.3	12.3	6.9													
TCE-WQM2b	Rainy	Moderate	17:45	11.6	Surface	1.0	1	24.6	8.3	31.0	6.7	95.9	3.8	5.3	6.7	5.6	4.5										
							2	24.6	8.3	31.1	6.7	95.8	3.9	5.3													
					Middle	5.8	1	24.7	8.3	31.1	6.6	95.3	4.4	4.2													
							2	24.7	8.3	31.1	6.6	95.3	4.4	4.1													
					Bottom	10.6	1	24.7	8.3	31.4	6.7	96.4	8.5	4.0													
							2	24.7	8.3	31.3	6.7	96.8	8.6	3.9													
TCE-WQM3A	Rainy	Moderate	17:21	4.7	Surface	1.0	1	24.6	8.3	30.9	6.9	98.8	6.0	5.0	6.9	6.3	4.9										
							2	24.6	8.3	30.9	6.9	98.9	6.1	5.2													
					Bottom	3.7	1	24.6	8.3	31.0	7.0	99.6	6.5	4.5													
							2	24.6	8.3	31.1	7.0	99.9	6.5	4.9													
					TCE-WQM4	Rainy	Moderate	17:08	3.7	Surface	1.0	1	24.6	8.3				31.1	6.9	98.7	5.6	7.0	6.9	5.7	6.2		
											2	24.6	8.3	31.1				6.9	98.8	5.6	7.2						
Bottom	2.7	1	24.6	8.3	31.1					6.9	99.4	5.8	5.5														
		2	24.6	8.3	31.1					6.9	99.5	5.9	5.0														

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged							
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)					
30-10-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:26	8.6	Surface	1.0	1	25.0	8.2	33.5	6.7	98.3	3.8	4.3	6.6	4.8	4.8					
									2	25.0	8.2	33.5	6.7	98.2	3.9	4.2								
							Middle	4.3	1	24.7	8.2	33.9	6.5	94.6	4.0	4.9								
									2	24.7	8.2	33.9	6.5	94.7	4.1	5.1								
				Bottom	7.6	1	24.7	8.2	34.0	6.6	95.7	6.7	4.8	6.6										
						2	24.7	8.2	34.0	6.6	95.7	6.5	5.7											
		TCE-C2	Fine	Moderate	10:48	15.6	Surface	1.0	1	25.3	8.1	33.3	6.2				90.8	1.3	3.0	6.1	2.1	2.7		
						2	25.3	8.1	33.3	6.2	90.6	1.3	2.1											
				Middle	7.8	1	25.2	8.1	33.9	5.9	87.4	2.1	3.1											
						2	25.2	8.1	33.9	5.9	87.3	2.1	2.2											
				Bottom	14.6	1	25.2	8.1	34.0	5.9	87.2	2.9	3.3	5.9										
						2	25.2	8.1	34.0	5.9	87.1	3.0	2.4											
		TCE-WQM1	Cloudy	Calm	12:31	8.1	Surface	1.0	1	24.8	8.2	33.5	6.6				96.9	3.3	4.1	6.7	3.4	4.9		
						2	24.8	8.2	33.5	6.6	96.9	3.3	4.3											
				Middle	4.1	1	24.8	8.2	33.5	6.7	97.5	3.8	5.4											
						2	24.8	8.2	33.5	6.7	97.4	3.8	4.9											
				Bottom	7.1	1	24.8	8.2	33.5	6.7	98.2	3.1	5.5	6.7										
						2	24.8	8.2	33.5	6.7	98.2	3.1	5.3											
		TCE-WQM2a	Cloudy	Moderate	11:51	7.5	Surface	1.0	1	25.3	8.2	32.8	6.6				97.1	1.4	2.0	6.5	3.1	2.7		
						2	25.3	8.2	32.8	6.6	97.1	1.4	2.1											
				Middle	3.8	1	25.1	8.2	32.9	6.5	94.4	2.8	2.1											
						2	25.1	8.2	32.9	6.5	94.4	2.8	3.1											
				Bottom	6.5	1	25.1	8.2	33.1	6.6	95.8	5.0	3.0	6.6										
						2	25.1	8.2	33.1	6.6	95.8	5.1	3.8											
		TCE-WQM2b	Cloudy	Moderate	11:36	12.4	Surface	1.0	1	25.1	8.2	33.0	6.4				93.3	1.6	2.9	6.3	1.8	3.8		
						2	25.1	8.2	33.0	6.4	93.1	1.7	3.6											
				Middle	6.2	1	25.2	8.2	33.8	6.1	90.2	1.4	3.8											
						2	25.2	8.2	33.8	6.1	90.3	1.4	3.0											
				Bottom	11.4	1	25.2	8.1	33.9	6.2	90.7	2.2	5.1	6.2										
						2	25.2	8.1	33.9	6.2	90.8	2.2	4.2											
		TCE-WQM3A	Cloudy	Calm	12:05	4.9	Surface	1.0	1	25.1	8.2	32.3	6.4				93.7	3.7	5.1	6.4	3.9	6.2		
						2	25.1	8.2	32.3	6.4	93.9	3.7	5.9											
				Bottom	3.9	1	25.1	8.2	32.5	6.6	95.4	4.0	6.6											
						2	25.1	8.2	32.5	6.6	95.4	4.0	7.0											
				TCE-WQM4	Cloudy	Calm	12:17	4.0	Surface	1.0	1	25.0	8.2	32.9	6.7	97.1	2.0	3.4	6.7	2.3	3.4			
						2	25.0	8.2	32.9	6.7	97.0	2.0	3.4											
				Bottom	3.0	1	25.0	8.2	33.2	6.8	99.7	2.5	3.2											
						2	25.0	8.2	33.2	6.8	99.9	2.6	3.7											
		30-10-20	Mid-Flood	TCE-C1	Cloudy	Moderate	16:43	8.3	Surface	1.0	1	25.0	8.2	33.2	6.7	98.4	3.3	3.0	6.6	5.7	4.3			
											2	25.0	8.2	33.2	6.7	98.4	3.4	4.0						
									Middle	4.2	1	24.9	8.2	33.8	6.6	95.7	5.6	3.5						
											2	24.9	8.2	33.8	6.5	95.7	5.8	4.2						
						Bottom	7.3	1	24.8	8.2	33.9	6.5	95.4	7.9	5.7	6.5								
								2	24.8	8.2	33.9	6.5	95.4	7.9	5.1									
				TCE-C2	Cloudy	Moderate	18:45	14.5	Surface	1.0	1	25.3	8.2	33.0	6.5				95.6	2.2	4.3	6.4	3.0	3.4
								2	25.3	8.2	33.0	6.5	95.6	2.2	3.3									
						Middle	7.3	1	25.2	8.2	33.1	6.3	92.6	2.9	3.1									
								2	25.2	8.2	33.1	6.3	92.6	2.9	4.0									
				Bottom	13.5	1	25.2	8.1	33.5	6.3	91.7	4.0	2.3	6.2										
						2	25.2	8.1	33.5	6.2	91.6	4.0	3.2											
TCE-WQM1	Fine			Calm	17:28	8.4	Surface	1.0	1	25.3	8.2	33.3	6.7				97.7	2.3	3.9	6.6	4.0	2.9		
						2	25.3	8.2	33.3	6.6	97.6	2.3	3.0											
				Middle	4.2	1	24.9	8.2	33.5	6.6	95.9	3.7	3.0											
						2	24.9	8.2	33.5	6.6	96.0	3.7	2.6											
				Bottom	7.4	1	24.9	8.2	33.5	6.6	95.9	6.0	2.3	6.6										
						2	24.9	8.2	33.5	6.6	96.0	6.1	2.5											
TCE-WQM2a	Cloudy			Moderate	18:05	7.1	Surface	1.0	1	25.4	8.2	32.9	6.8				99.6	3.0	2.6	6.8	6.3	3.5		
						2	25.4	8.2	32.9	6.8	99.6	3.0	2.3											
				Middle	3.6	1	25.2	8.2	32.9	6.7	98.4	6.8	4.0											
						2	25.2	8.2	32.9	6.7	98.4	7.0	3.3											
				Bottom	6.1	1	25.1	8.2	30.5	6.8	97.4	8.8	3.8	6.8										
						2	25.1	8.2	30.5	6.8	97.5	9.0	4.8											
TCE-WQM2b	Cloudy			Moderate	18:17	12.6	Surface	1.0	1	25.2	8.2	32.7	6.6				96.6	1.9	3.7	6.6	2.6	4.1		
						2	25.2	8.2	32.7	6.6	96.7	2.0	4.3											
				Middle	6.3	1	25.2	8.2	32.7	6.5	95.6	2.5	3.2											
						2	25.2	8.2	32.7	6.5	95.5	2.5	3.8											
				Bottom	11.6	1	25.1	8.2	32.9	6.5	95.4	3.4	4.5	6.5										
						2	25.1	8.2	32.9	6.5	95.4	3.3	5.2											
TCE-WQM3A	Cloudy			Calm	17:52	4.4	Surface	1.0	1	25.3	8.2	32.4	6.5				95.0	5.9	5.0	6.5	6.8	7.0		
						2	25.3	8.2	32.4	6.5	95.1	5.9	4.9											
				Bottom	3.4	1	25.2	8.2	32.6	6.5	95.4	7.8	8.7											
						2	25.2	8.2	32.6	6.5	95.4	7.6	9.2											
				TCE-WQM4	Cloudy	Calm	17:41	3.7	Surface	1.0	1	25.2	8.2	33.1	6.7	98.4	7.7	2.9	6.7	9.5	3.2			
						2	25.2	8.2	33.1	6.7	98.5	8.0	3.4											
				Bottom	2.7	1	25.1	8.2	33.3	6.7	97.6	11.1	3.1											
						2	25.1	8.2	33.3	6.7	97.6	11.2	3.3											