

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)								
14-07-2018	Mid-Ebb	TCE-C1	Rainy	Rough	13:48	8.6	Surface	1.0	1	29.8	8.0	17.4	5.0	72.2	9.3	10.1	4.9	13.4	11.2								
								2	29.3	8.0	17.5	5.0	72.2	9.6	10.0												
							Middle	4.3	1	27.8	8.0	22.2	4.7	68.2	14.7	11.5											
								2	27.9	8.0	22.3	4.7	68.2	14.2	10.2												
							Bottom	7.6	1	26.4	8.0	27.6	4.8	70.2	16.9	12.0											
								2	26.4	8.0	27.6	4.8	70.2	15.8	13.3												
		TCE-C2	Rainy	Rough	13:50	16.8	Surface	1.0	1	27.5	8.1	23.1	5.1	73.3	7.0	10.2	4.7	13.8	14.3								
								2	27.5	8.1	23.1	5.1	73.6	6.9	10.3												
							Middle	8.4	1	26.9	8.1	25.1	4.3	62.6	11.0	10.5											
								2	26.9	8.1	25.0	4.4	62.9	10.3	12.1												
							Bottom	15.8	1	26.7	8.1	26.0	4.3	61.8	25.3	21.8											
								2	26.7	8.1	26.1	4.3	61.6	22.5	21.1												
		TCE-WQM1	Rainy	Moderate	16:04	10.4	Surface	1.0	1	27.4	8.2	22.1	6.2	89.2	7.4	9.2	5.9	13.9	11.3								
								2	27.7	8.2	22.0	6.1	87.9	7.5	10.2												
							Middle	5.2	1	27.8	8.2	22.1	5.7	82.0	10.4	12.4											
								2	27.8	8.2	22.1	5.7	82.3	10.2	11.3												
							Bottom	9.4	1	27.4	8.1	24.0	4.8	69.3	21.8	12.4											
								2	27.4	8.1	24.0	4.8	68.9	25.8	12.2												
		TCE-WQM2a	Rainy	Rough	14:44	7	Surface	1.0	1	27.6	8.2	22.6	5.7	82.0	6.5	7.0	5.6	7.5	7.5								
								2	27.6	8.2	22.6	5.7	82.3	6.5	7.0												
							Middle	3.5	1	27.4	8.1	22.7	5.5	78.6	6.8	8.9											
								2	27.5	8.1	22.7	5.5	78.9	6.7	7.1												
							Bottom	6.0	1	26.8	8.1	25.3	4.6	67.0	9.3	7.0											
								2	26.9	8.1	25.2	4.7	67.2	9.1	7.7												
	TCE-WQM2b	Rainy	Rough	14:28	11.6	Surface	1.0	1	27.5	8.1	23.3	5.0	71.8	8.1	10.4	4.8	23.0	17.4									
							2	27.5	8.1	23.3	5.0	72.1	8.1	11.3													
						Middle	5.8	1	27.3	8.1	24.2	4.5	65.0	25.7	18.5												
							2	27.3	8.1	24.2	4.5	64.8	26.6	18.9													
						Bottom	10.6	1	27.3	8.1	24.6	4.5	65.0	33.9	22.9												
							2	27.3	8.1	24.6	4.4	64.3	35.7	22.2													
	TCE-WQM3A	Rainy	Moderate	15:18	4.3	Surface	1.0	1	27.9	8.1	20.3	5.6	79.2	8.3	10.2	5.6	9.3	10.1									
							2	27.9	8.1	20.5	5.6	79.2	8.2	10.9													
						Bottom	3.3	1	27.9	8.1	20.5	5.6	79.3	10.3	10.1												
							2	27.9	8.1	20.9	5.5	79.2	10.2	9.0													
						TCE-WQM4	Rainy	Moderate	15:48	3.4	Surface	1.0	1	27.6	8.1				22.7	5.6	80.8	6.0	4.7	5.7	11.1	6.6	
												2	27.6	8.1	22.5				5.7	81.5	6.1	4.7					
	Bottom	2.4	1	27.4	8.1	23.6	5.3	76.1	16.0	8.5																	
		2	27.4	8.1	23.4	5.3	75.8	16.3	8.5																		
	Mid-Flood	TCE-C1	Rainy	Rough	20:50	8.4	Surface	1.0	1	27.3	8.2	25.0	4.9	71.1	15.5	9.1	4.9	18.6	9.7								
								2	27.3	8.2	25.0	5.0	71.8	15.3	9.4												
							Middle	4.2	1	27.2	8.0	25.6	4.8	69.3	18.2	9.0											
								2	27.2	8.0	25.7	4.8	69.4	17.8	9.6												
							Bottom	7.4	1	27.0	8.0	27.1	5.1	73.9	22.1	10.5											
								2	27.0	8.0	27.1	5.0	72.6	22.5	10.6												
							TCE-C2	Rainy	Rough	20:56	17.4	Surface	1.0	1	27.2	8.1				23.3	4.8	68.2	8.7	10.2	4.4	15.2	12.1
													2	27.3	8.1	23.3				4.8	69.1	8.3	11.2				
												Middle	8.7	1	26.5	8.0				26.7	4.0	57.3	13.0	11.0			
													2	26.5	8.0	26.7				4.0	57.5	13.0	12.9				
												Bottom	16.4	1	26.4	8.0				27.1	3.8	55.4	23.3	12.9			
													2	26.4	8.0	27.1				3.8	55.4	24.9	14.6				
		TCE-WQM1	Cloudy	Moderate	19:19	8.4	Surface	1.0	1	27.6	8.2	22.4	5.7	82.2	9.9	15.3	5.6	13.3	15.7								
								2	27.6	8.2	22.4	5.7	82.2	10.0	16.0												
							Middle	4.2	1	27.6	8.1	22.7	5.5	79.2	10.3	14.4											
								2	27.6	8.1	22.7	5.6	79.9	10.8	14.6												
							Bottom	7.4	1	27.2	8.1	24.3	4.6	66.7	19.7	16.3											
								2	27.2	8.1	24.3	4.6	66.5	19.3	17.4												
		TCE-WQM2a	Rainy	Rough	20:05	8.1	Surface	1.0	1	27.5	8.1	22.3	5.3	75.2	9.0	9.4	5.2	10.9	12.1								
								2	27.5	8.1	22.3	5.3	75.8	9.2	9.9												
							Middle	4.1	1	27.4	8.1	23.0	5.1	73.2	10.8	11.9											
								2	27.4	8.1	23.0	5.1	73.0	10.5	12.6												
							Bottom	7.1	1	27.4	8.1	23.2	5.2	74.3	13.0	14.9											
								2	27.4	8.1	23.2	5.2	74.2	12.6	13.7												
	TCE-WQM2b	Rainy	Rough	20:18	10	Surface	1.0	1	27.4	8.1	22.8	5.0	71.6	13.9	20.4	5.0	21.8	21.3									
							2	27.4	8.1	22.7	5.0	71.8	15.7	20.9													
						Middle	5.0	1	27.4	8.1	23.0	4.9	70.5	25.5	20.5												
							2	27.4	8.1	22.9	5.0	71.2	25.7	21.7													
						Bottom	9.0	1	27.3	8.1	23.7	4.7	67.7	24.5	22.2												
							2	27.3	8.1	23.7	4.7	67.2	25.6	22.0													
	TCE-WQM3A	Rainy	Calm	19:51	3.2	Surface	1.0	1	27.4	8.1	23.4	4.6	66.3	16.8	14.2	4.6	17.9	15.5									
							2	27.4	8.1	23.4	4.6	65.9	19.2	14.4													
						Bottom	2.2	1	27.4	8.1	23.6	4.7	67.0	17.6	16.3												
							2	27.4	8.1	23.5	4.6	66.6	18.1	17.2													
						TCE-WQM4	Cloudy	Calm	19:37	3.2	Surface	1.0	1	27.4	8.1				23.3	5.3	76	9.2	7	5.3	10.2	6.7	
												2	27.4	8.1	23.2				5.3	76.6	8	6.5					
	Bottom	2.2	1	27.4	8.1						23.4	5.3	76	11.7	5.9												
		2	27.4	8.1	23.5						5.3	75.8	12	7.3													

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)								
17-07-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:30	8.6	Surface	1.0	1	28.3	8.0	22.8	5.8	84.4	8.7	5.3	5.7	11.0	8.2								
								2	28.3	8.0	22.7	5.8	84.3	8.6	4.3												
							Middle	4.3	1	27.2	8.1	28.5	5.5	81.8	11.3	8.5											
								2	27.2	8.1	28.5	5.6	82.0	11.3	9.1												
							Bottom	7.6	1	27.1	8.1	28.9	5.6	82.2	13.0	11.4											
								2	27.1	8.1	28.9	5.6	82.1	13.0	10.6												
		TCE-C2	Fine	Moderate	15:50	14.2	Surface	1.0	1	27.9	7.9	23.2	5.4	78.7	3.5	6.5	5.3	6.2	7.5								
								2	27.8	7.9	23.4	5.4	78.5	3.1	6.9												
							Middle	7.1	1	27.5	7.9	23.7	5.1	73.1	5.4	7.9											
								2	27.4	7.9	23.9	5.1	73.0	5.4	7.2												
							Bottom	13.2	1	26.8	7.9	27.2	4.5	66.1	9.9	8.6											
								2	26.7	8.0	27.3	4.5	66.0	10.0	7.7												
		TCE-WQM1	Fine	Calm	14:37	10.1	Surface	1.0	1	27.9	7.9	23.4	5.4	78.9	7.0	8.1	5.4	12.2	9.7								
								2	27.8	8.0	23.7	5.4	79.0	7.1	8.3												
							Middle	5.1	1	27.8	7.9	23.7	5.3	77.6	10.3	8.6											
								2	27.7	8.0	23.9	5.4	77.7	10.3	9.1												
							Bottom	9.1	1	27.6	7.9	24.1	5.2	75.9	19.2	12.5											
								2	27.5	8.1	24.3	5.2	76.0	19.3	11.8												
		TCE-WQM2a	Fine	Calm	15:13	8.6	Surface	1.0	1	27.9	7.9	22.9	5.7	83.1	3.9	6.4	5.6	4.2	7.3								
								2	27.8	8.0	23.2	5.7	82.5	3.9	6.4												
							Middle	4.3	1	27.6	7.9	23.2	5.5	78.8	4.8	6.8											
								2	27.5	8.0	23.4	5.4	78.4	4.5	7.4												
							Bottom	7.6	1	27.1	7.9	25.2	4.9	70.6	4.0	8.0											
								2	27.0	8.1	25.4	4.9	70.8	4.2	8.7												
		TCE-WQM2b	Fine	Moderate	15:26	13	Surface	1.0	1	27.9	7.9	22.8	5.3	76.8	4.1	6.5	5.1	11.1	11.5								
								2	27.8	7.9	23.0	5.3	76.0	4.0	7.5												
							Middle	6.5	1	27.2	7.9	24.3	4.8	69.0	11.9	7.6											
								2	27.1	7.9	24.5	4.8	69.0	11.3	8.4												
							Bottom	12.0	1	27.2	7.9	24.5	4.8	69.0	17.3	19.1											
								2	27.1	7.9	24.8	4.8	69.1	17.7	20.0												
	TCE-WQM3A	Fine	Calm	15:01	4.1	Surface	1.0	1	28.1	7.8	21.6	5.6	80.7	5.6	4.9	5.6	6.5	5.9									
							2	28.0	8.0	21.7	5.6	80.9	5.8	3.8													
						Bottom	3.1	1	27.6	7.8	22.5	5.0	71.9	7.5	7.0												
							2	27.5	8.0	22.7	5.0	71.7	7.2	7.7													
						TCE-WQM4	Fine	Calm	14:50	4.7	Surface	1.0	1	28.3	7.9				22.5	5.9	86.0	3.2	3.5	5.9	6.1	4.9	
												2	28.1	8.0	22.7				5.9	86.0	3.2	4.3					
	Bottom	3.7	1	27.6	7.9						22.8	5.4	78.1	8.9	5.4												
		2	27.5	8.1	23.0						5.4	78.1	9.2	6.5													
	Mid-Flood	TCE-C1	Cloudy	Moderate	9:36						8.1	Surface	1.0	1	27.5	8.0	22.6	5.5	79.6	10.2	5.2	5.4	39.4				23.4
													2	27.5	8.0	22.6	5.5	79.7	10.2	6.1							
						Middle	4.1	1	27.2	8.0		26.2	5.2	76.4	13.8	7.7											
							2	27.2	8.0	26.2		5.2	76.4	13.7	11.3												
						Bottom	7.1	1	27.1	8.0		27.7	5.3	77.0	96.4	53.4											
							2	27.1	8.0	27.7		5.3	77.1	91.8	56.5												
			TCE-C2	Fine	Moderate	8:39	9.2	Surface	1.0	1	27.3	7.7	23.1	5.2	74.2	5.1	6.2	5.0	6.8	6.8							
									2	27.1	7.9	23.3	5.2	74.1	4.8	5.5											
								Middle	4.6	1	26.9	7.7	25.5	4.7	68.4	5.4	6.7										
									2	26.8	7.9	25.7	4.8	68.6	5.2	7.0											
								Bottom	8.2	1	26.8	7.7	26.4	4.8	69.6	10.3	7.1										
									2	26.7	7.9	26.7	4.8	69.9	10.2	8.2											
		TCE-WQM1	Fine	Calm	9:55	10.1	Surface	1.0	1	27.6	7.8	23.0	5.7	81.6	4.8	5.6	5.6	7.5	6.7								
								2	27.4	7.9	23.2	5.7	81.4	4.3	6.4												
							Middle	5.1	1	27.4	7.8	23.0	5.5	79.5	6.3	6.8											
								2	27.3	7.9	23.3	5.5	79.4	5.8	6.2												
							Bottom	9.1	1	27.3	7.8	23.1	5.4	77.8	12.0	7.2											
								2	27.1	7.9	23.3	5.4	78.0	11.9	8.0												
		TCE-WQM2a	Fine	Moderate	9:18	7.8	Surface	1.0	1	27.4	7.8	22.5	5.1	73.7	4.9	4.3	5.0	8.0	7.0								
								2	27.3	7.9	22.7	5.1	73.6	4.4	4.5												
							Middle	3.9	1	27.2	7.8	23.4	4.9	70.5	9.2	7.7											
								2	27.1	7.9	23.6	4.9	70.7	9.1	8.0												
							Bottom	6.8	1	27.2	7.8	23.4	5.0	71.3	10.1	9.1											
								2	27.1	7.9	23.6	5.0	71.7	10.5	8.5												
		TCE-WQM2b	Sunny	Moderate	9:03	10.2	Surface	1.0	1	27.6	7.8	22.1	5.2	74.4	4.1	6.3	5.2	8.5	7.9								
								2	27.4	7.8	22.3	5.2	74.6	4.5	7.4												
							Middle	5.1	1	27.4	7.8	22.9	5.1	72.9	7.8	8.4											
								2	27.3	7.9	23.1	5.1	73.1	7.8	7.8												
							Bottom	9.2	1	27.3	7.8	23.4	5.0	72.0	13.4	9.2											
								2	27.2	7.9	23.6	5.0	72.4	13.4	8.4												
	TCE-WQM3A	Fine	Calm	9:31	4.1	Surface	1.0	1	27.5	7.7	22.0	5.2	74.7	5.7	5.9	5.2	5.6	7.7									
							2	27.4	7.8	22.2	5.2	74.8	6.2	5.8													
						Bottom	3.1	1	27.5	7.7	21.9	5.3	75.1	5.1	9.1												
							2	27.4	7.8	22.2	5.3	75.2	5.2	9.9													
						TCE-WQM4	Fine	Calm	9:42	4	Surface	1.0	1	27.6	7.7				22.3	5.4	77.3	5.1	6.4	5.4	6.3	7.0	
												2	27.5	7.9	22.6				5.4	77.3	5	6.5					
	Bottom	3.0	1	27.3	7.7						22.9	5.6	80.2	7.3	7.1												
		2	27.2	7.9	23.2						5.6	80.4	7.8	7.9													

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)									
19-07-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	17:17	7.7	Surface	1.0	1	27.8	8.1	27.4	6.3	93.0	7.4	6.9	6.1	11.2	8.1									
								2	27.8	8.1	27.4	6.3	92.9	7.4	7.3													
							Middle	3.9	1	27.5	8.1	28.6	5.9	88.3	11.2	7.5												
								2	27.5	8.1	28.6	5.9	88.3	11.1	8.6													
							Bottom	6.7	1	27.5	8.1	29.0	6.0	88.8	15.1	8.9												
								2	27.5	8.1	29.0	6.0	88.9	15.1	9.5													
		TCE-C2	Rainy	Moderate	17:43	15.6	Surface	1.0	1	27.6	7.9	25.7	5.8	84.1	2.2	6.2	5.5	6.3	7.2									
								2	27.4	7.9	26.0	5.7	83.8	2.0	6.9													
							Middle	7.8	1	27.4	7.9	27.1	5.2	76.9	5.4	7.2												
								2	27.3	7.9	27.4	5.2	76.8	4.5	6.3													
							Bottom	14.6	1	27.2	7.9	28.2	4.8	71.0	11.9	8.3												
								2	27.1	7.9	28.5	4.8	71.2	11.5	8.2													
		TCE-WQM1	Cloudy	Moderate	16:22	8.8	Surface	1.0	1	28.3	7.9	23.8	7.2	105.7	2.9	4.6	6.6	8.7	6.0									
								2	28.1	8.0	24.0	7.2	105.2	2.8	4.4													
							Middle	4.4	1	27.8	7.8	25.4	5.9	87.1	8.3	6.1												
								2	27.7	7.9	25.6	5.9	86.9	7.1	6.3													
							Bottom	7.8	1	27.6	7.8	26.6	5.6	82.7	15.8	7.2												
								2	27.5	7.9	26.9	5.6	82.5	15.1	7.6													
		TCE-WQM2a	Cloudy	Moderate	17:03	7.4	Surface	1.0	1	27.9	7.9	23.7	6.5	95.1	4.2	4.6	6.4	4.3	4.8									
								2	27.8	7.9	23.9	6.5	94.7	3.2	4.4													
							Middle	3.7	1	27.9	7.9	23.8	6.3	91.4	4.6	4.4												
								2	27.8	7.9	24.0	6.3	91.0	3.5	5.3													
							Bottom	6.4	1	27.3	7.8	27.1	5.2	75.7	5.5	5.5												
								2	27.2	7.9	27.4	5.2	76.1	4.7	4.6													
	TCE-WQM2b	Cloudy	Moderate	17:17	10.4	Surface	1.0	1	27.9	7.9	23.7	6.2	89.8	3.9	7.5	5.8	3.5	9.2										
							2	27.8	7.9	24.0	6.2	89.4	3.7	8.4														
						Middle	5.2	1	27.6	7.8	25.3	5.4	79.2	3.4	9.5													
							2	27.5	7.9	25.5	5.4	79.0	3.0	9.0														
						Bottom	9.4	1	27.5	7.8	25.9	5.4	78.3	3.8	10.2													
							2	27.4	7.9	26.1	5.4	78.3	3.3	10.4														
	TCE-WQM3A	Cloudy	Calm	16:50	3.3	Surface	1.0	1	28.4	7.8	21.7	6.8	98.6	4.8	5.5	6.8	5.6	7.5										
							2	28.2	7.9	21.5	6.8	98.0	4.6	6.3														
						Bottom	2.3	1	28.1	7.8	22.6	6.0	87.6	6.6	8.5													
							2	27.9	7.9	23.1	6.0	87.0	6.5	9.5														
						TCE-WQM4	Cloudy	Moderate	16:37	3.7	Surface	1.0	1	28.0	7.9				23.7	6.6	96.0	5.4	9.3	6.6	5.5	9.9		
												2	27.9	7.9	24.0				6.6	95.6	4.9	8.2						
	Bottom	2.7	1	28.0	7.9						23.8	6.5	95.1	6.1	10.5													
		2	27.9	7.9	24.0						6.5	94.7	5.7	11.6														
	Mid-Flood	Mid-Flood	TCE-C1	Cloudy	Moderate						11:33	8	Surface	1.0	1	27.7	8.1	25.5	6.2	90.8	8.8	8.2	6.0				32.8	9.2
														2	27.7	8.1	25.5	6.2	91.4	8.2	8.0							
						Middle	4.0	1	27.5	8.1			27.9	5.7	84.9	44.5	8.9											
							2	27.5	8.1	27.9			5.7	84.6	41.3	9.7												
						Bottom	7.0	1	27.5	8.1			28.0	5.9	87.2	45.6	10.7											
							2	27.5	8.1	28.0			5.8	85.9	48.2	9.5												
			TCE-C2	Rainy	Moderate	11:07	15.5	Surface	1.0	1	27.7	7.8	24.4	5.9	85.3	2.2	7.0	5.4	8.9	7.7								
									2	27.5	7.9	24.7	5.8	84.8	1.8	7.5												
								Middle	7.8	1	27.2	7.8	27.6	4.9	72.6	4.1	7.1											
									2	27.1	7.9	27.9	4.9	72.6	4.1	7.8												
								Bottom	14.5	1	27.2	7.8	28.5	4.8	71.6	20.4	8.2											
									2	27.1	8.0	28.7	4.9	71.6	20.5	8.6												
			TCE-WQM1	Cloudy	Moderate	12:38	9.4	Surface	1.0	1	28.0	7.8	23.8	6.3	91.9	3.4	8.6	6.1	6.6	9.4								
									2	27.8	7.9	24.1	6.3	91.5	3.1	7.8												
								Middle	4.7	1	27.7	7.8	24.3	5.9	86.1	5.5	9.1											
									2	27.6	7.9	24.5	5.9	85.9	5.0	8.4												
								Bottom	8.4	1	27.7	7.8	24.5	5.7	82.9	11.2	11.4											
									2	27.6	7.9	24.7	5.7	82.9	11.5	10.8												
			TCE-WQM2a	Cloudy	Moderate	11:53	7.6	Surface	1.0	1	27.8	7.8	23.2	6.2	89.1	2.3	8.2	5.9	4.2	9.6								
									2	27.7	7.9	23.4	6.1	88.2	2.0	8.9												
								Middle	3.8	1	27.6	7.8	24.5	5.6	80.7	4.7	8.7											
									2	27.4	7.9	24.7	5.6	80.6	5.0	9.3												
								Bottom	6.6	1	27.6	7.8	24.5	5.5	80.6	5.1	11.1											
									2	27.4	7.9	24.8	5.6	80.6	5.9	11.3												
		TCE-WQM2b	Cloudy	Moderate	11:36	11.1	Surface	1.0	1	27.7	7.8	23.7	5.9	85.2	2.6	5.6	5.7	11.3	6.6									
								2	27.6	7.9	24.0	5.9	84.9	2.1	5.1													
							Middle	5.6	1	27.6	7.8	24.5	5.5	80.2	3.7	6.1												
								2	27.5	7.9	24.7	5.5	80.1	3.1	7.2													
							Bottom	10.1	1	27.5	7.8	25.5	5.1	74.2	28.5	8.3												
								2	27.3	7.9	25.7	5.1	74.1	27.6	7.3													
		TCE-WQM3A	Cloudy	Calm	12:09	4.2	Surface	1.0	1	27.8	7.8	23.3	6.1	88.0	4.6	5.0	6.1	4.1	6.2									
								2	27.7	7.9	23.5	6.1	87.8	4.0	5.2													
							Bottom	3.2	1	27.9	7.8	23.2	6.1	88.6	3.9	7.4												
								2	27.7	7.9	23.4	6.1	88.4	3.9	7.3													
							TCE-WQM4	Cloudy	Calm	12:20	4.8	Surface	1.0	1	27.9	7.8				23.6	6.2	89.9	5	8.3	6.2	6.4	9.9	
													2	27.8	7.9	23.9				6.2	89.6	4.2	9					
		Bottom	3.8	1	27.7	7.8						24.2	5.8	84.1	8.2	11.8												
			2	27.6	7.9	24.5						5.8	84	8.1	10.5													

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)								
21-07-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	19:43	7.7	Surface	1.0	1	28.6	8.2	24.2	6.7	99.0	6.4	4.5	6.3	11.4	4.6								
								2	28.6	8.2	24.2	6.7	4.0														
								3.9	1	27.8	8.1	27.9	5.9	87.4	11.2	4.2											
							2	27.8	8.1	27.9	5.9	87.4	11.2	5.0													
							Bottom	6.7	1	27.7	8.1	28.2	5.9	87.6	16.6	4.6											
								2	27.7	8.1	28.2	5.9	87.6	16.6	5.2												
		TCE-C2	Cloudy	Moderate	19:53	12	Surface	1.0	1	28.5	8.1	25.6	7.7	114.2	0.9	2.1	6.8	2.1	3.6								
								2	28.4	8.1	25.9	7.6	113.4	0.8	3.3												
								6.0	1	28.0	7.9	27.2	5.9	87.7	0.9	3.8											
							2	27.8	8.0	27.4	5.9	87.4	0.9	4.1													
							Bottom	11.0	1	27.6	7.9	28.7	5.0	74.2	4.4	4.4											
								2	27.5	7.9	29.0	5.0	74.3	4.7	3.8												
		TCE-WQM1	Cloudy	Moderate	18:38	8.1	Surface	1.0	1	29.5	8.0	25.4	8.2	123.5	3.9	6.3	7.4	5.3	6.7								
								2	29.3	8.1	25.7	8.2	123.3	3.3	6.3												
								4.1	1	28.5	7.9	26.1	6.5	97.1	5.6	6.3											
							2	28.4	8.0	26.3	6.5	96.9	5.4	6.4													
							Bottom	7.1	1	28.2	7.9	26.4	5.8	86.2	6.7	7.9											
								2	28.0	7.9	26.7	5.8	86.2	6.7	7.2												
		TCE-WQM2a	Cloudy	Moderate	19:14	7.6	Surface	1.0	1	28.9	8.2	24.1	9.4	139.9	3.8	3.9	7.7	2.8	4.0								
								2	28.8	8.2	24.3	9.4	139.1	3.4	3.1												
								3.8	1	28.0	7.9	26.1	6.0	88.9	2.7	3.9											
							2	27.9	8.0	26.4	6.0	88.5	2.2	4.2													
							Bottom	6.6	1	27.7	7.9	27.2	5.3	77.7	2.4	4.3											
								2	27.6	7.9	27.5	5.2	77.5	2.0	4.7												
		TCE-WQM2b	Cloudy	Moderate	19:30	10.8	Surface	1.0	1	29.1	8.0	20.4	7.9	114.4	2.3	2.5	7.7	2.4	2.9								
								2	29.0	8.0	20.5	7.8	113.8	2.3	2.4												
								5.4	1	28.6	8.0	24.4	7.5	110.5	2.0	2.7											
							2	28.5	8.0	24.5	7.4	109.3	2.0	3.2													
							Bottom	9.8	1	27.9	7.9	26.7	5.6	82.2	2.6	3.2											
								2	27.8	7.9	26.9	5.6	82.1	2.9	3.5												
	TCE-WQM3A	Cloudy	Moderate	19:01	3.4	Surface	1.0	1	29.3	8.0	24.3	7.8	117.2	4.7	2.8	7.8	6.5	3.9									
							2	29.2	8.0	24.6	7.8	116.3	4.1	2.5													
							2.4	1	28.6	7.9	25.1	6.7	98.7	8.4	5.5												
						2	28.5	8.0	25.3	6.7	98.6	8.6	4.6														
						Bottom	2.4	1	29.6	8.1	24.9	9.5	142.9	3.4	3.9												
							2	29.5	8.1	25.1	9.5	142.5	3.2	3.1													
	TCE-WQM4	Cloudy	Moderate	18:51	3.4	Surface	1.0	1	29.6	8.1	25.0	9.4	141.9	3.7	4.9	9.4	3.4	4.0									
							2	29.5	8.1	25.3	9.4	141.5	3.3	4.0													
							2.4	1	29.6	8.1	25.0	9.4	141.9	3.7	4.9												
						2	29.5	8.1	25.3	9.4	141.5	3.3	4.0														
						Bottom	2.4	1	29.6	8.1	25.0	9.4	141.9	3.7	4.9												
							2	29.5	8.1	25.3	9.4	141.5	3.3	4.0													
	Mid-Flood	TCE-C1	Sunny	Moderate	13:48	7.3	Surface	1.0	1	28.7	8.2	24.9	6.7	99.4	8.2	5.8	6.5	13.0	5.8								
								2	28.7	8.2	24.9	6.7	99.4	8.2	4.8												
								3.7	1	28.1	8.1	26.8	6.3	93.8	12.3	6.2											
							2	28.1	8.1	26.8	6.3	93.8	12.3	5.0													
							Bottom	6.3	1	27.8	8.1	27.8	6.3	93.9	18.5	5.9											
								2	27.8	8.1	27.8	6.3	93.9	18.5	6.8												
							TCE-C2	Sunny	Moderate	14:41	11.5	Surface	1.0	1	28.5	8.0				25.8	7.0	103.8	1.3	2.8	6.2	6.9	3.9
													2	28.6	7.9	25.6				7.0	104.6	1.1	3.6				
													5.8	1	27.6	8.0				27.9	5.3	78.6	7.1	3.8			
												2	27.7	7.8	27.6	5.3				78.7	7.6	4.5					
												Bottom	10.5	1	27.6	8.0				28.6	5.2	76.7	12.2	4.1			
													2	27.7	7.8	28.4				5.2	76.7	12.1	4.6				
		TCE-WQM1	Sunny	Moderate	15:58	9.8	Surface	1.0	1	29.0	8.0	25.5	8.1	120.6	3.8	5.8	7.1	5.7	7.9								
								2	29.2	8.0	25.3	8.1	121.8	3.9	6.1												
								4.9	1	28.0	7.9	26.3	6.0	88.3	7.0	7.2											
							2	28.1	7.9	26.0	6.0	88.5	6.4	8.2													
							Bottom	8.8	1	28.0	7.9	26.4	5.8	86.0	6.3	10.0											
								2	28.1	7.9	26.1	5.8	86.2	6.9	9.8												
		TCE-WQM2a	Sunny	Moderate	15:17	7.7	Surface	1.0	1	28.8	8.1	25.3	8.5	126.3	2.9	4.1	7.6	6.5	7.1								
								2	28.9	8.0	25.0	8.3	123.8	3.3	3.4												
								3.9	1	28.2	8.0	25.7	6.8	100.3	6.5	7.0											
							2	28.4	7.9	25.5	6.8	100.6	7.0	7.7													
							Bottom	6.7	1	27.7	7.9	26.9	5.2	76.8	9.3	10.7											
								2	27.8	7.9	26.6	5.2	76.8	9.8	9.9												
		TCE-WQM2b	Sunny	Moderate	15:05	11.5	Surface	1.0	1	28.8	8.0	25.5	7.0	104.8	1.2	5.0	6.3	10.7	5.9								
								2	28.9	8.0	25.3	7.1	105.2	1.3	4.5												
								5.8	1	27.9	8.0	26.8	5.6	82.3	6.5	5.8											
							2	28.0	7.9	26.6	5.6	82.5	5.7	5.5													
							Bottom	10.5	1	27.7	8.0	27.6	5.3	77.9	27.0	7.8											
								2	27.8	7.8	27.3	5.3	77.8	22.5	7.0												
		TCE-WQM3A	Sunny	Moderate	15:32	3.4	Surface	1.0	1	29.1	8.1	24.8	8.6	128.7	4.1	9.9	8.7	6.3	10.4								
								2	29.2	8.1	24.6	8.7	129.4	4.6	9.8												
								2.4	1	29.0	8.1	24.9	8.3	123.8	8.0	10.6											
							2	29.2	8.0	24.6	8.3	124.2	8.4	11.1													
							Bottom	2.4	1	29.6	8.1	25.3	9.4	141.5	3.4	3.9											
								2	29.8	8.1	25	9.4	142	3.6	5												
		TCE-WQM4	Sunny	Moderate	15:43	3.6	Surface	1.0	1	29.6	8.1	25.3	9.4	141.5	3.4	3.9	9.4	4.8	4.9								
								2	29.8	8.1	25	9.4	142	3.6	5												
								2.6	1	29.2	8.1	25.3	8.8	132.3	5.9	5.7											
							2	29.3	8.1	25	8.9	133.1	6.2	4.9													

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)								
24-07-2018	Mid-Ebb	TCE-C1	Cloudy	Rough	11:19	8.3	Surface	1.0	1	28.8	8.4	20.7	8.3	121.1	7.1	7.0	8.1	11.3	7.2								
								2	28.8	8.4	20.7	8.4	121.4	7.1	6.3												
								4.2	1	28.7	8.4	20.8	7.9	114.4	8.2	7.9											
							2	28.7	8.4	20.8	7.9	114.6	8.1	6.9													
							7.3	1	28.6	8.2	24.7	7.2	107.2	18.4	7.9												
							2	28.6	8.2	24.8	7.2	106.6	19.0	7.0													
		TCE-C2	Rainy	Moderate	11:02	10	Surface	1.0	1	28.5	8.2	23.1	7.3	106.2	5.6	8.6	7.0	9.6	10.9								
								2	28.6	8.1	23.0	7.3	106.9	5.7	10.0												
								5.0	1	28.4	8.1	24.5	6.6	96.9	6.4	11.4											
							2	28.6	8.0	24.3	6.6	97.4	6.3	10.0													
							9.0	1	28.3	8.1	25.8	5.9	87.6	16.0	12.2												
							2	28.4	8.0	25.6	5.9	87.6	17.6	13.2													
		TCE-WQM1	Cloudy	Calm	12:33	8.5	Surface	1.0	1	29.1	8.3	21.4	8.6	125.4	5.2	8.4	7.5	9.3	10.6								
								2	29.2	8.3	21.2	8.6	126.4	5.1	8.8												
								4.3	1	28.6	8.1	23.5	6.4	93.4	12.2	10.5											
							2	28.7	8.1	23.2	6.4	93.5	12.0	9.6													
							7.5	1	28.4	8.1	25.9	5.9	87.7	11.8	13.2												
							2	28.6	8.0	25.7	5.9	87.5	9.7	13.3													
		TCE-WQM2a	Cloudy	Moderate	11:53	7.9	Surface	1.0	1	28.7	8.3	23.0	7.4	109.1	5.5	8.9	7.2	6.7	9.0								
								2	28.9	8.2	22.7	7.5	109.7	5.9	8.7												
								4.0	1	28.6	8.2	23.3	6.9	102.0	5.1	9.3											
							2	28.8	8.2	23.0	7.0	102.6	5.3	8.7													
							6.9	1	28.3	8.1	26.1	5.9	88.2	9.3	9.3												
							2	28.4	8.0	25.9	5.9	88.1	9.1	8.9													
	TCE-WQM2b	Cloudy	Moderate	11:38	11.6	Surface	1.0	1	28.6	8.3	20.8	8.3	120.6	3.3	7.9	7.4	12.2	10.5									
							2	28.8	8.2	20.6	8.3	120.6	3.2	6.8													
							5.8	1	28.5	8.1	22.9	6.5	94.3	15.0	8.7												
						2	28.6	8.0	22.7	6.5	94.7	15.8	8.8														
						10.6	1	28.5	8.1	22.9	6.4	93.9	18.0	15.9													
						2	28.6	8.0	22.7	6.4	93.6	18.1	14.9														
	TCE-WQM3A	Cloudy	Calm	12:08	3.2	Surface	1.0	1	29.0	8.2	20.1	7.4	107.5	6.7	6.2	7.4	11.6	6.6									
							2	29.2	8.2	20.0	7.4	107.2	6.4	6.4													
							2.2	1	28.7	8.1	23.3	6.4	94.4	16.2	7.2												
						2	28.8	8.0	23.0	6.4	94.1	17.0	6.5														
						TCE-WQM4	Cloudy	Calm	12:19	3.5	Surface	1.0	1	29.0	8.3				21.8	8.1	119.0	5.5	7.4	8.1	6.4	7.0	
												2	29.1	8.3	21.7				8.1	118.9	5.4	6.3					
	Mid-Flood	TCE-C1	Cloudy	Moderate	17:08	7.6	Surface	1.0	1	29.4	8.6	18.6	9.8	142.2	12.0	12.1	8.6	18.9	14.2								
								2	29.4	8.6	18.6	9.8	142.7	12.0	11.4												
								3.8	1	28.9	8.4	21.0	7.3	106.6	18.2	13.7											
							2	28.9	8.4	21.0	7.3	106.6	18.1	14.6													
							6.6	1	28.7	8.2	21.9	6.8	98.6	26.4	16.6												
							2	28.7	8.2	21.9	6.8	98.5	26.4	16.9													
							TCE-C2	Cloudy	Calm	17:57	11.4	Surface	1.0	1	28.7	8.3				22.5	8.5	125.1	4.6	7.6	7.1	6.9	8.5
													2	28.9	8.2	22.3				8.6	126.2	4.7	7.0				
													5.7	1	28.4	8.0				26.2	5.7	84.0	4.2	9.1			
												2	28.5	8.0	25.9	5.7				84.1	4.6	8.7					
												10.4	1	28.3	8.0	27.2				5.4	80.7	10.9	9.1				
												2	28.4	8.0	26.9	5.4				80.3	12.2	9.6					
		TCE-WQM1	Cloudy	Calm	16:35	7.8	Surface	1.0	1	29.2	8.4	21.0	9.2	134.6	4.0	7.7	8.6	8.2	8.4								
								2	29.3	8.4	20.8	9.2	135.2	4.0	7.4												
								3.9	1	28.9	8.3	22.3	8.0	117.7	9.0	8.2											
							2	29.0	8.3	22.1	8.1	118.2	9.8	9.1													
							6.8	1	28.5	8.1	25.9	5.2	76.9	10.9	9.2												
							2	28.6	7.9	25.8	5.2	78.0	11.5	9.0													
		TCE-WQM2a	Cloudy	Calm	17:13	7.6	Surface	1.0	1	29.1	8.4	21.5	9.5	139.6	4.1	7.6	8.7	8.1	9.0								
								2	29.2	8.4	21.2	9.6	140.7	4.3	7.3												
								3.8	1	28.7	8.2	22.5	7.9	115.8	6.4	9.6											
							2	28.9	8.2	22.3	7.9	116.5	6.9	9.4													
							6.6	1	28.7	8.2	23.5	7.5	111.1	12.7	10.3												
							2	28.9	8.2	23.2	7.6	111.6	13.9	9.5													
	TCE-WQM2b	Cloudy	Calm	17:27	7.3	Surface	1.0	1	28.8	8.2	20.9	8.2	119.3	6.1	8.7	7.3	13.6	10.5									
							2	28.9	8.2	20.7	8.2	120.0	6.7	9.2													
							3.7	1	28.6	8.1	22.8	6.4	94.0	11.2	9.7												
						2	28.7	8.0	22.6	6.5	94.6	12.2	9.7														
						6.3	1	28.4	8.0	25.7	5.4	80.8	22.2	12.6													
						2	28.5	7.9	25.5	5.4	80.2	23.0	13.0														
	TCE-WQM3A	Cloudy	Calm	17:00	3	Surface	1.0	1	28.9	8.3	22.3	9.1	133.0	11.3	15.8	9.1	12.3	16.1									
							2	29.0	8.3	22.0	9.1	133.1	12.3	15.0													
							2.0	1	28.9	8.3	22.5	8.9	130.7	12.0	16.6												
						2	29.0	8.2	22.3	8.9	130.6	13.5	16.8														
						TCE-WQM4	Cloudy	Calm	16:48	2.7	Middle	1.4	1	28.6	8.1				24.3	6.4	95.3	12.4	8.5	6.4	12.8	8.3	
												2	28.8	8	24.2				6.3	93.5	13.1	8.1					

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)									
26-07-2018	Mid-Ebb	TCE-C1	Fine	Moderate	12:42	8.3	Surface	1.0	1	29.9	8.2	17.6	7.4	107.7	6.7	6.5	7.3	15.6	8.0									
								2	29.9	8.2	17.5	7.4	107.7	6.7	6.5													
							Middle	4.2	1	29.4	8.3	22.2	7.1	105.2	9.0	7.1												
								2	29.4	8.3	22.3	7.1	105.4	9.0	8.1													
							Bottom	7.3	1	28.8	8.2	26.1	5.5	82.7	31.1	9.7												
								2	28.8	8.2	26.1	5.5	82.8	31.2	10.2													
		TCE-C2	Fine	Moderate	11:48	15.2	Surface	1.0	1	29.6	8.2	20.1	7.9	115.2	4.0	4.1	7.2	9.3	7.3									
								2	29.8	8.2	19.9	7.9	115.4	4.4	5.2													
							Middle	7.6	1	29.0	8.1	22.2	6.5	95.7	7.0	7.6												
								2	29.1	8.0	22.0	6.5	95.8	7.2	7.5													
							Bottom	14.2	1	28.6	8.1	27.8	5.1	76.2	16.9	10.1												
								2	28.7	7.9	27.5	5.1	76.1	16.0	9.5													
		TCE-WQM1	Fine	Calm	13:23	8.3	Surface	1.0	1	29.7	8.2	21.2	7.8	114.5	6.9	11.6	7.6	10.0	12.7									
								2	29.8	8.2	20.9	7.8	114.9	6.3	12.1													
							Middle	4.2	1	29.4	8.2	21.4	7.3	107.0	7.8	12.4												
								2	29.6	8.2	21.1	7.3	107.0	7.4	12.9													
							Bottom	7.3	1	28.9	8.1	22.9	5.9	86.8	15.6	13.6												
								2	29.0	8.1	22.6	5.9	86.9	15.7	13.4													
		TCE-WQM2a	Fine	Moderate	12:42	6.2	Surface	1.0	1	29.9	8.2	21.5	7.7	114.8	5.7	9.7	7.4	9.3	9.9									
								2	30.0	8.1	21.3	7.7	114.9	5.7	9.2													
							Middle	3.1	1	29.3	8.2	22.1	7.0	103.4	8.6	9.5												
								2	29.4	8.1	21.9	7.0	103.3	8.4	9.9													
							Bottom	5.2	1	29.1	8.2	22.6	6.8	100.1	13.6	11.0												
								2	29.2	8.1	22.3	6.8	99.9	13.7	10.2													
		TCE-WQM2b	Cloudy	Moderate	12:28	12.3	Surface	1.0	1	29.7	8.1	19.3	7.2	105.2	4.1	13.9	6.8	10.6	15.4									
								2	29.8	8.0	19.2	7.0	102.0	2.3	13.5													
							Middle	6.2	1	29.1	8.1	20.7	6.4	92.9	9.8	15.4												
								2	29.2	8.0	20.5	6.4	92.9	9.2	15.1													
							Bottom	11.3	1	29.1	8.1	20.9	6.3	91.7	20.0	17.4												
								2	29.2	8.0	20.7	6.3	91.7	18.2	17.3													
	TCE-WQM3A	Fine	Calm	13:00	4.7	Surface	1.0	1	29.3	8.2	21.1	7.3	106.7	10.3	18.8	7.3	15.0	19.1										
							2	29.4	8.2	20.9	7.3	107.1	10.0	18.0														
						Bottom	3.7	1	29.2	8.1	21.7	6.4	94.4	19.6	19.6													
							2	29.3	8.1	21.4	6.4	94.4	20.0	19.9														
						TCE-WQM4	Fine	Calm	13:10	3.8	Surface	1.0	1	29.5	8.2				21.2	7.8	114.2	4.2	8.5	7.8	7.8	9.3		
												2	29.6	8.3	21.0				7.7	114.2	4.0	8.3						
	Bottom	2.8	1	29.0	8.2						22.0	6.2	90.4	11.7	10.7													
		2	29.2	8.1	21.8						6.1	89.9	11.1	9.8														
	Mid-Flood	Mid-Flood	TCE-C1	Fine	Moderate						19:08	7.8	Surface	1.0	1	29.8	8.2	19.1	6.5	95.8	10.7	9.1	6.3				12.4	10.0
														2	29.8	8.2	19.1	6.5	95.7	10.5	8.2							
						Middle	3.9	1	29.3	8.2			21.4	6.0	88.3	12.4	10.5											
							2	29.3	8.2	21.4			6.0	88.3	12.4	10.2												
						Bottom	6.8	1	29.1	8.2			23.0	5.9	87.1	14.1	10.7											
							2	29.1	8.2	23.0			5.9	87.1	14.2	11.4												
			TCE-C2	Fine	Moderate	19:07	13.1	Surface	1.0	1	29.4	8.1	22.3	6.7	98.3	4.9	9.8	6.1	12.8	10.4								
									2	29.2	8.0	22.5	6.7	98.5	4.7	9.9												
								Middle	6.6	1	28.9	8.0	26.0	5.4	80.2	13.2	9.5											
									2	28.8	8.0	26.3	5.4	80.5	12.7	10.2												
								Bottom	12.1	1	28.8	8.0	27.1	5.1	76.9	20.5	10.9											
									2	28.6	8.0	27.3	5.1	77.3	20.7	12.0												
			TCE-WQM1	Fine	Moderate	17:49	7.6	Surface	1.0	1	30.0	8.1	20.7	8.1	120.6	14.5	12.7	8.0	12.1	15.4								
									2	29.8	8.2	20.9	8.1	120.2	15.1	13.0												
								Middle	3.8	1	29.9	8.1	21.0	7.8	116.0	10.1	16.4											
									2	29.8	8.2	21.2	7.8	115.6	10.4	16.5												
								Bottom	6.6	1	29.7	8.1	21.5	7.6	112.6	11.0	17.1											
									2	29.6	8.2	21.7	7.6	112.0	11.4	16.9												
			TCE-WQM2a	Fine	Moderate	18:23	6.2	Surface	1.0	1	29.6	8.1	20.7	7.7	113.2	12.4	15.2	7.7	14.1	15.1								
									2	29.4	8.1	20.9	7.7	112.9	12.9	14.2												
								Middle	3.1	1	29.6	8.1	20.8	7.7	114.1	13.5	14.5											
									2	29.5	8.1	21.0	7.7	114.0	13.2	15.1												
								Bottom	5.2	1	29.7	8.1	21.0	7.7	114.3	16.2	15.8											
									2	29.5	8.2	21.2	7.8	114.4	16.3	15.5												
			TCE-WQM2b	Fine	Moderate	18:36	10.2	Surface	1.0	1	29.5	8.0	20.9	6.6	96.8	6.0	10.0	6.2	18.0	11.5								
									2	29.7	8.0	20.7	6.6	97.3	5.8	10.2												
								Middle	5.1	1	29.2	8.0	22.9	5.8	86.4	23.0	11.5											
									2	29.3	8.0	22.7	5.8	86.5	21.7	12.1												
								Bottom	9.2	1	29.0	8.0	23.6	5.4	80.5	25.9	11.9											
									2	29.1	7.9	23.4	5.4	80.5	25.8	13.1												
		TCE-WQM3A	Fine	Calm	18:13	3.2	Surface	1.0	1	29.9	8.1	20.4	8.4	123.6	15.5	19.5	8.4	16.6	19.6									
								2	29.8	8.1	20.6	8.4	123.3	15.6	19.5													
							Bottom	2.2	1	29.9	8.1	20.9	8.3	122.9	17.4	20.0												
								2	29.8	8.1	21.1	8.3	122.5	17.9	19.3													
							TCE-WQM4	Fine	Calm	18:02	3.3	Surface	1.0	1	30.2	8.2				20.8	8.8	130.7	7.2	10.9	8.8	16.0	11.8	
													2	30	8.2	21				8.8	130.3	7.5	11.8					
		Bottom	2.3	1	29.7	8.2						21.7	7.8	115.7	24.3	12.8												
			2	29.6	8.1	21.9						7.7	113.9	25.1	11.7													

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)								
28-07-2018	Mid-Ebb	TCE-C1	Sunny	Moderate	12:58	8.9	Surface	1.0	1	30.0	8.3	21.4	6.6	98.2	8.1	6.7	5.7	12.4	7.7								
								2	30.0	8.3	21.4	6.6	98.5	8.0	5.5												
							Middle	4.5	1	29.1	8.1	25.9	4.7	70.5	12.8	7.4											
								2	29.1	8.1	25.9	4.7	70.5	13.1	7.5												
							Bottom	7.9	1	29.0	8.1	26.2	4.9	73.1	16.2	9.1											
								2	29.0	8.1	26.2	4.9	72.9	16.0	10.0												
		TCE-C2	Sunny	Moderate	13:18	13.2	Surface	1.0	1	30.2	8.2	21.2	6.9	102.0	10.8	9.4	6.6	11.5	10.5								
								2	30.2	8.0	21.1	6.9	102.2	10.8	10.3												
							Middle	6.6	1	29.8	8.2	22.1	6.3	93.6	11.4	10.7											
								2	29.8	8.0	22.1	6.3	93.3	11.5	10.2												
							Bottom	12.2	1	29.6	8.2	22.3	6.1	90.2	12.2	10.6											
								2	29.6	8.0	22.3	6.1	90.2	12.2	11.5												
		TCE-WQM1	Sunny	Moderate	14:44	8.6	Surface	1.0	1	30.4	7.9	21.5	7.0	104.8	6.4	5.7	6.7	7.6	7.0								
								2	30.2	8.1	21.7	7.0	104.7	6.7	6.2												
							Middle	4.3	1	30.1	7.9	21.8	6.4	95.9	6.2	7.2											
								2	29.9	8.0	21.9	6.5	96.0	6.6	6.3												
							Bottom	7.6	1	29.8	7.9	22.1	5.8	86.7	9.8	8.7											
								2	29.6	8.0	22.3	5.9	87.2	9.6	7.9												
		TCE-WQM2a	Sunny	Moderate	14:07	6.8	Surface	1.0	1	30.5	7.9	21.4	7.3	109.1	5.1	5.1	6.8	6.2	6.2								
								2	30.2	8.1	21.7	7.2	108.2	5.9	5.1												
							Middle	3.4	1	29.7	7.9	22.5	6.3	93.7	6.4	6.1											
								2	29.5	8.0	22.7	6.3	93.8	6.9	5.9												
							Bottom	5.8	1	29.5	7.9	23.3	5.8	85.7	6.6	7.4											
								2	29.4	8.0	23.4	5.8	86.3	6.1	7.5												
	TCE-WQM2b	Sunny	Moderate	13:52	11.6	Surface	1.0	1	29.6	8.0	20.8	5.8	85.5	8.0	7.2	5.8	10.1	8.9									
							2	29.8	8.0	20.6	5.8	85.7	8.0	8.4													
						Middle	5.8	1	29.5	8.0	21.0	5.8	84.8	9.7	7.8												
							2	29.7	8.0	20.8	5.7	84.8	9.9	8.8													
						Bottom	10.6	1	29.6	8.1	21.0	5.8	85.5	12.5	10.7												
							2	29.8	8.1	20.7	5.8	85.4	12.6	10.2													
	TCE-WQM3A	Sunny	Moderate	14:22	3.5	Surface	1.0	1	30.4	7.9	20.6	6.8	101.8	11.4	12.3	7.0	11.7	12.9									
							2	30.2	8.0	20.7	7.1	105.0	11.7	12.5													
						Bottom	2.5	1	30.5	7.9	20.6	6.8	101.0	11.7	13.0												
							2	30.4	8.0	20.6	6.8	101.5	11.8	13.9													
						TCE-WQM4	Sunny	Moderate	14:31	3.2	Surface	1.0	1	30.6	8.0				21.1	7.4	111.6	4.5	6.1	7.5	4.6	7.6	
												2	30.5	8.0	21.2				7.5	111.6	4.6	7.5					
	Bottom	2.2	1	30.6	8.0						21.1	7.4	110.3	4.5	8.2												
		2	30.5	8.1	21.3						7.4	110.3	4.6	8.7													
	Mid-Flood	TCE-C1	Cloudy	Moderate	20:00						9.3	Surface	1.0	1	29.7	8.2	21.8	5.6	82.9	9.5	9.4	5.1	14.8				10.4
													2	29.7	8.2	21.8	5.6	82.6	9.6	8.2							
						Middle	4.7	1	29.1	8.1		25.5	4.6	68.8	15.3	9.6											
							2	29.1	8.1	25.5		4.6	68.9	15.1	10.1												
						Bottom	8.3	1	28.8	8.1		27.7	4.6	68.8	19.5	12.9											
							2	28.8	8.1	27.7		4.6	69.0	19.5	12.1												
			TCE-C2	Cloudy	Moderate	20:16	13.2	Surface	1.0	1	29.9	7.9	22.0	6.0	88.8	4.3	9.2	5.4	11.9	11.2							
									2	29.7	8.1	22.2	6.0	89.0	3.4	9.4											
								Middle	6.6	1	29.1	7.9	26.4	4.8	72.1	13.6	10.7										
									2	28.9	8.1	26.6	4.8	72.5	13.9	11.7											
								Bottom	12.2	1	29.0	7.9	27.3	4.6	69.9	18.1	12.9										
									2	28.8	8.0	27.6	4.7	70.3	18.2	13.1											
		TCE-WQM1	Cloudy	Moderate	18:53	6.8	Surface	1.0	1	30.7	8.1	20.9	8.0	119.7	6.2	6.7	7.7	11.2	7.4								
								2	30.5	8.2	21.1	8.0	119.7	5.1	7.3												
							Middle	3.4	1	30.6	8.0	21.2	7.5	112.9	6.0	7.4											
								2	30.4	8.1	21.4	7.4	111.2	5.6	7.0												
							Bottom	5.8	1	30.0	8.0	22.0	6.2	91.9	22.0	7.9											
								2	29.8	8.2	22.2	6.2	91.9	22.1	8.1												
		TCE-WQM2a	Cloudy	Moderate	19:30	6.8	Surface	1.0	1	30.1	7.9	21.3	6.4	95.7	7.7	5.8	6.2	13.9	7.9								
								2	29.9	8.1	21.5	6.4	95.5	7.3	5.8												
							Middle	3.4	1	29.9	7.9	21.9	5.9	88.1	15.7	9.0											
								2	29.7	8.1	22.1	6.0	88.7	16.1	7.8												
							Bottom	5.8	1	29.9	7.9	21.9	5.9	87.5	18.0	9.2											
								2	29.7	8.1	22.1	6.0	88.6	18.4	10.0												
	TCE-WQM2b	Cloudy	Moderate	19:42	10.4	Surface	1.0	1	30.2	7.9	20.7	6.1	90.8	4.4	6.7	5.7	12.9	8.9									
							2	30.0	8.1	20.9	6.1	91.0	3.3	6.2													
						Middle	5.2	1	29.7	7.9	23.1	5.3	79.9	14.8	6.5												
							2	29.5	8.1	23.3	5.4	80.1	17.0	7.1													
						Bottom	9.4	1	29.4	7.8	24.6	4.8	71.7	18.9	13.1												
							2	29.2	8.0	24.8	4.8	72.1	18.8	13.7													
	TCE-WQM3A	Cloudy	Calm	19:19	3.3	Surface	1.0	1	30.2	8.0	21.1	7.1	105.1	8.8	12.1	7.1	9.1	13.1									
							2	30.0	8.2	21.3	7.1	105.7	8.8	11.9													
						Bottom	2.3	1	30.1	8.0	21.2	7.0	104.3	9.3	14.8												
							2	29.9	8.2	21.4	7.1	104.8	9.5	13.6													
						TCE-WQM4	Cloudy	Calm	19:07	3.4	Surface	1.0	1	30.4	8				21.5	7.4	110.8	7.1	6.9	7.4	14.8	9.0	
												2	30.2	8.2	21.6				7.4	111.1	6.8	7.2					
	Bottom	2.4	1	30.3	8						21.7	7	105.3	22.8	11.3												
		2	30.1	8.2	21.9						7.1	105.7	22.4	10.6													

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)								
31-07-2018	Mid-Ebb	TCE-C1	Sunny	Moderate	15:14	8	Surface	1.0	1	30.5	8.3	16.6	7.7	112.2	7.6	3.5	6.8	11.0	5.0								
								2	30.5	8.3	16.6	7.7	112.1	7.6	3.9												
							Middle	4.0	1	29.7	8.2	23.1	5.8	86.2	8.9	4.9											
								2	29.7	8.2	23.0	5.8	86.3	8.8	5.2												
							Bottom	7.0	1	29.4	8.1	26.0	4.8	71.9	16.5	5.6											
								2	29.4	8.1	25.5	4.8	72.0	16.5	6.6												
		TCE-C2	Sunny	Moderate	14:30	12.3	Surface	1.0	1	30.6	8.0	20.4	7.2	107.0	7.9	6.7	6.5	8.3	8.1								
								2	30.4	8.0	20.6	7.2	106.8	7.5	7.2												
							Middle	6.2	1	29.7	7.9	22.7	5.7	84.6	10.5	7.8											
								2	29.5	8.0	22.8	5.7	84.3	9.6	6.8												
							Bottom	11.3	1	29.1	7.9	26.2	5.3	79.8	7.3	9.8											
								2	28.9	8.0	26.4	5.3	79.8	6.9	10.3												
		TCE-WQM1	Sunny	Moderate	13:24	8.4	Surface	1.0	1	30.5	7.9	19.9	6.6	98.2	11.1	6.6	6.4	14.8	7.6								
								2	30.3	8.0	20.1	6.6	98.2	11.3	5.7												
							Middle	4.2	1	30.4	7.9	20.8	6.1	91.4	12.8	7.4											
								2	30.2	8.0	21.0	6.2	91.6	12.1	8.0												
							Bottom	7.4	1	30.3	7.9	21.6	5.7	84.9	19.8	9.2											
								2	30.1	8.1	21.8	5.7	85.1	21.7	8.4												
		TCE-WQM2a	Sunny	Moderate	13:57	7.4	Surface	1.0	1	31.0	8.0	20.8	7.4	110.9	8.7	5.4	7.0	8.9	7.1								
								2	30.8	8.0	21.0	7.4	110.6	8.6	6.4												
							Middle	3.7	1	30.2	8.0	21.8	6.5	97.3	9.3	6.6											
								2	30.0	8.0	22.1	6.5	97.4	9.2	7.7												
							Bottom	6.4	1	29.9	7.9	22.8	6.0	90.3	8.8	7.7											
								2	29.6	8.0	23.3	6.1	90.7	8.6	8.8												
		TCE-WQM2b	Sunny	Moderate	14:09	9.8	Surface	1.0	1	30.7	8.0	18.1	7.1	104.4	6.7	4.3	6.9	9.3	5.6								
								2	31.0	8.0	17.9	7.0	104.3	7.5	3.6												
							Middle	4.9	1	30.2	8.0	19.3	6.7	98.2	9.7	5.5											
								2	30.4	7.9	19.2	6.6	98.1	8.4	5.0												
							Bottom	8.8	1	30.1	8.0	20.3	6.3	93.5	11.5	8.2											
								2	30.3	8.0	20.2	6.3	93.2	11.7	7.1												
	TCE-WQM3A	Sunny	Calm	13:45	4.6	Surface	1.0	1	30.6	7.9	19.9	6.3	94.4	12.1	8.3	6.3	15.9	8.7									
							2	30.4	8.0	20.1	6.3	94.3	12.3	7.7													
						Bottom	3.6	1	30.5	7.9	21.1	5.7	84.7	19.1	8.9												
							2	30.2	8.0	21.3	5.6	84.2	20.0	10.0													
						TCE-WQM4	Sunny	Calm	13:36	4.6	Surface	1.0	1	31.2	8.1				20.1	8.1	121.7	8.7	5.6	8.1	11.0	5.8	
												2	31.0	8.0	20.2				8.1	121.3	8.3	5.1					
	Bottom	3.6	1	30.5	8.0						20.9	6.4	95.9	13.1	5.7												
		2	30.3	8.0	21.1						6.7	100.1	13.7	6.8													
	Mid-Flood	TCE-C1	Sunny	Moderate	8:48						8.9	Surface	1.0	1	29.7	8.1	15.6	5.8	83.4	10.7	7.2	5.3	27.2				9.4
													2	29.7	8.1	15.6	5.8	83.6	10.7	8.2							
						Middle	4.5	1	29.4	8.1		25.2	4.7	70.3	16.6	8.0											
							2	29.4	8.1	25.2		4.7	70.3	16.6	8.8												
						Bottom	7.9	1	29.1	8.1		27.4	4.3	65.0	54.5	12.3											
							2	29.1	8.1	27.4		4.3	64.9	54.2	11.7												
			TCE-C2	Sunny	Moderate	8:09	11	Surface	1.0	1	29.6	7.9	21.5	5.5	81.4	5.2	7.0	5.1	9.1	7.6							
									2	29.8	7.9	21.3	5.5	81.1	5.7	5.9											
								Middle	5.5	1	28.8	7.9	27.5	4.7	70.7	4.2	7.1										
									2	29.0	7.9	27.2	4.7	70.7	5.0	7.1											
								Bottom	10.0	1	28.3	7.9	29.2	4.4	66.0	17.5	9.5										
									2	28.5	7.9	29.0	4.4	66.0	17.0	9.1											
		TCE-WQM1	Sunny	Calm	9:23	9.8	Surface	1.0	1	30.2	7.9	20.9	7.1	104.8	4.0	6.6	6.8	6.4	7.2								
								2	30.4	8.0	20.7	7.0	104.6	4.0	5.5												
							Middle	4.9	1	30.1	7.9	21.0	6.6	97.4	4.6	6.3											
								2	30.3	8.0	20.8	6.5	97.5	4.8	6.3												
							Bottom	8.8	1	29.6	7.9	23.8	4.9	73.7	10.2	9.4											
								2	29.8	7.9	23.6	4.9	73.5	10.5	9.2												
		TCE-WQM2a	Sunny	Moderate	8:49	7.3	Surface	1.0	1	30.0	7.9	20.2	6.3	92.4	4.4	4.7	6.1	5.2	5.5								
								2	30.3	7.9	19.9	6.2	92.5	4.8	5.3												
							Middle	3.7	1	29.9	7.9	21.0	5.9	87.9	6.0	5.4											
								2	30.2	7.9	20.8	5.9	87.7	6.7	5.3												
							Bottom	6.3	1	29.8	7.9	21.7	5.6	83.1	4.3	6.6											
								2	30.0	7.9	21.5	5.6	82.9	4.7	5.8												
		TCE-WQM2b	Sunny	Moderate	8:35	9.4	Surface	1.0	1	30.2	7.9	20.2	5.6	83.0	4.1	5.4	5.4	11.4	7.4								
								2	30.0	7.8	20.4	5.6	83.1	3.8	4.7												
							Middle	4.7	1	29.8	7.9	22.6	5.2	77.5	15.9	8.4											
								2	29.6	7.9	22.8	5.2	77.6	16.2	7.5												
							Bottom	8.4	1	29.6	7.9	24.0	5.1	76.7	14.2	8.8											
								2	29.4	7.9	24.3	5.1	76.8	14.1	9.8												
	TCE-WQM3A	Sunny	Calm	9:01	4	Surface	1.0	1	30.1	7.9	19.1	6.1	89.8	4.8	5.6	6.1	5.1	6.0									
							2	30.3	8.0	19.0	6.1	89.6	4.8	5.9													
						Bottom	3.0	1	30.0	7.9	19.3	6.1	89.0	5.3	6.3												
							2	30.2	7.9	19.2	6.0	88.8	5.5	6.3													
						TCE-WQM4	Sunny	Calm	9:11	3.9	Surface	1.0	1	30.1	7.9				20.5	6.2	92.1	5.1	6.1	6.2	6.3	7.7	
												2	30.3	8	20.2				6.2	91.9	5.6	7.2					
	Bottom	2.9	1	30.1	7.9						21.2	6.1	90.7	7.1	9.1												
		2	30.3	7.9	21						6.1	90.5	7.3	8.2													

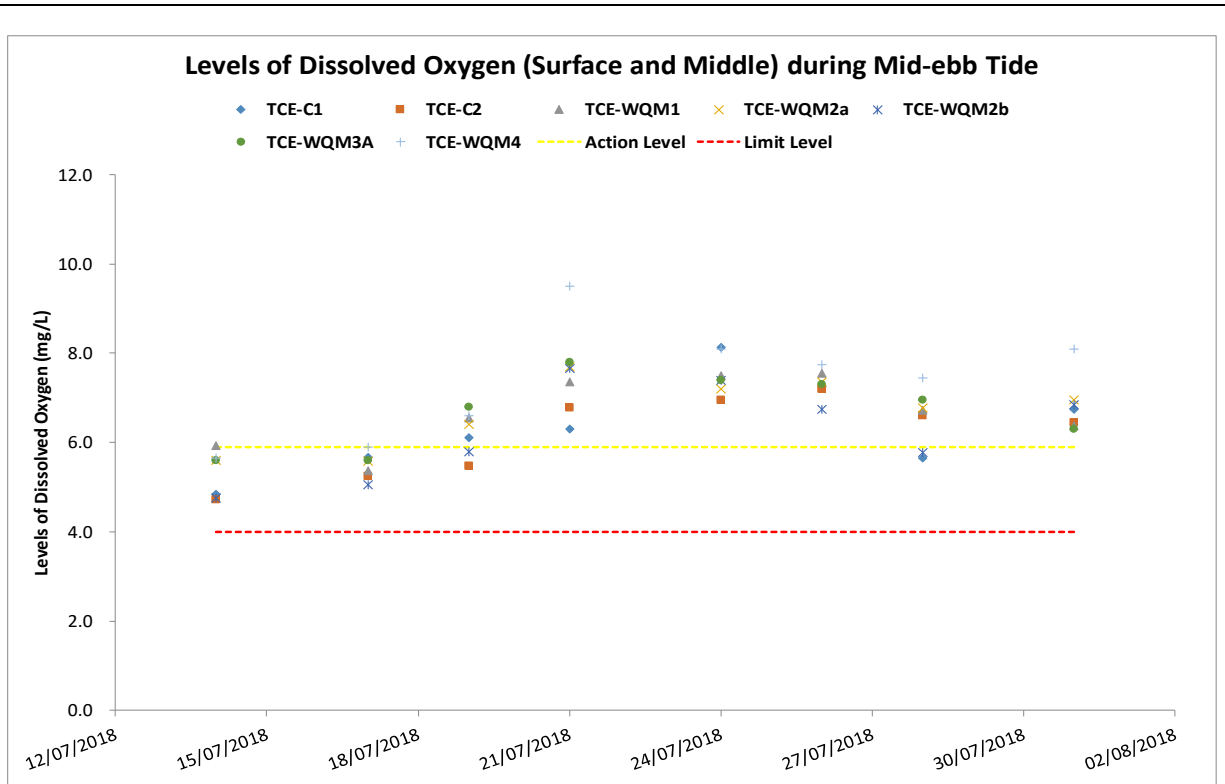


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 13 July and 31 July 2018

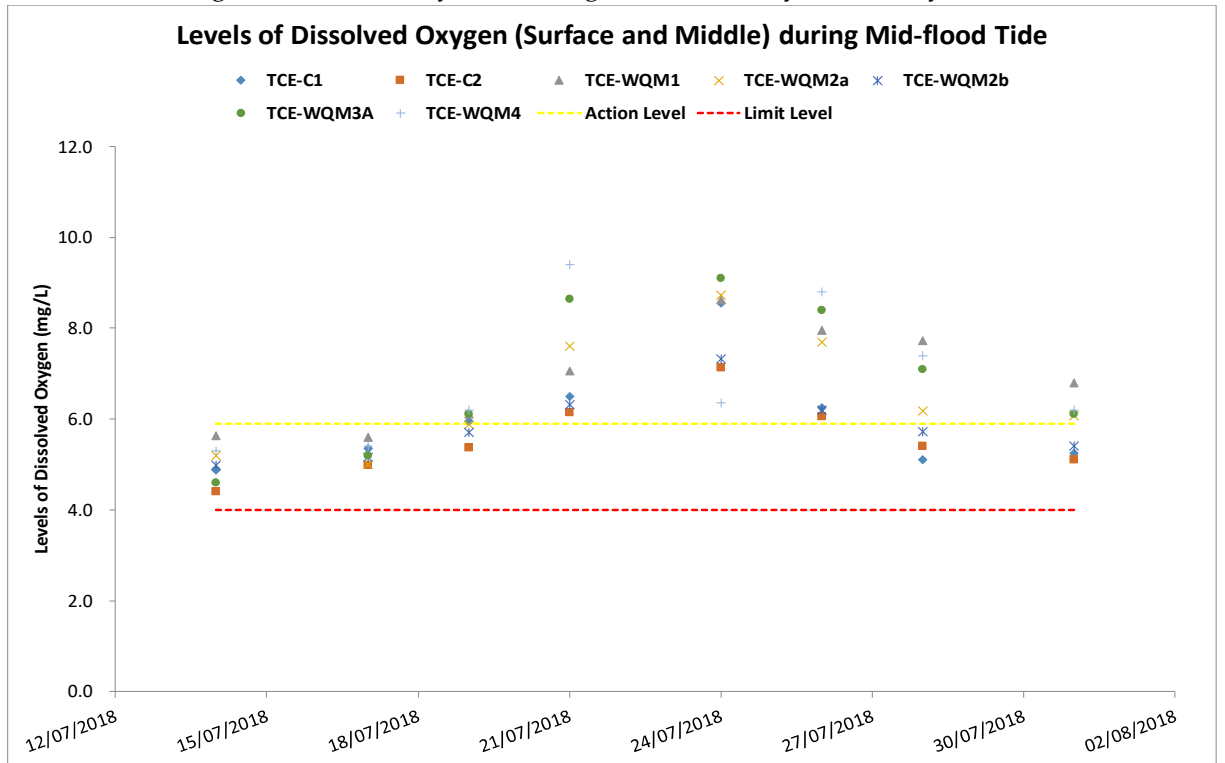


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 13 July and 31 July 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: July 2018

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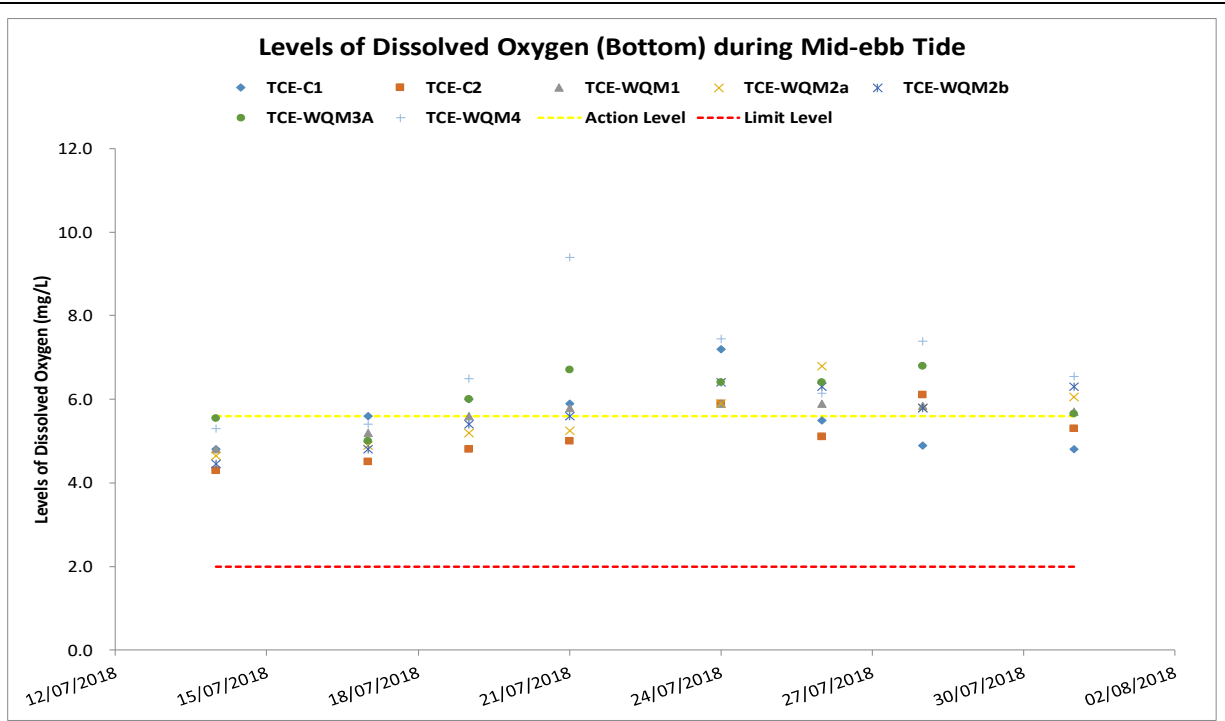


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 13 July and 31 July 2018

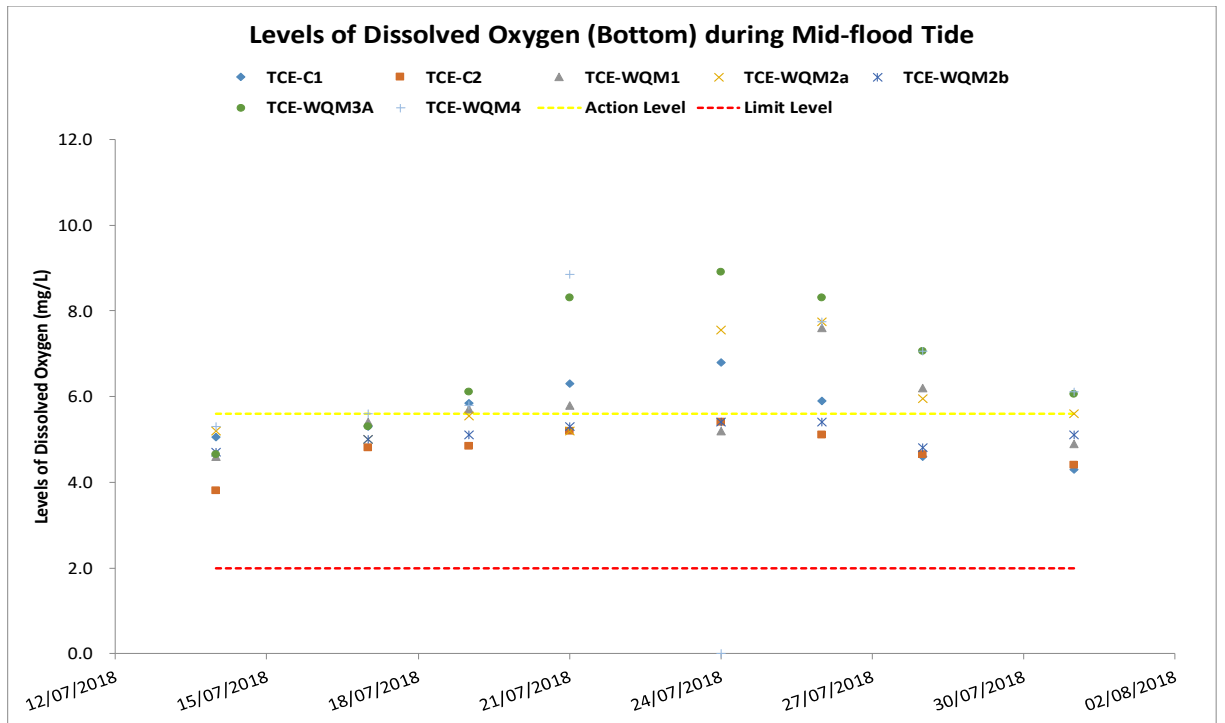


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 13 July and 31 July 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: July 2018

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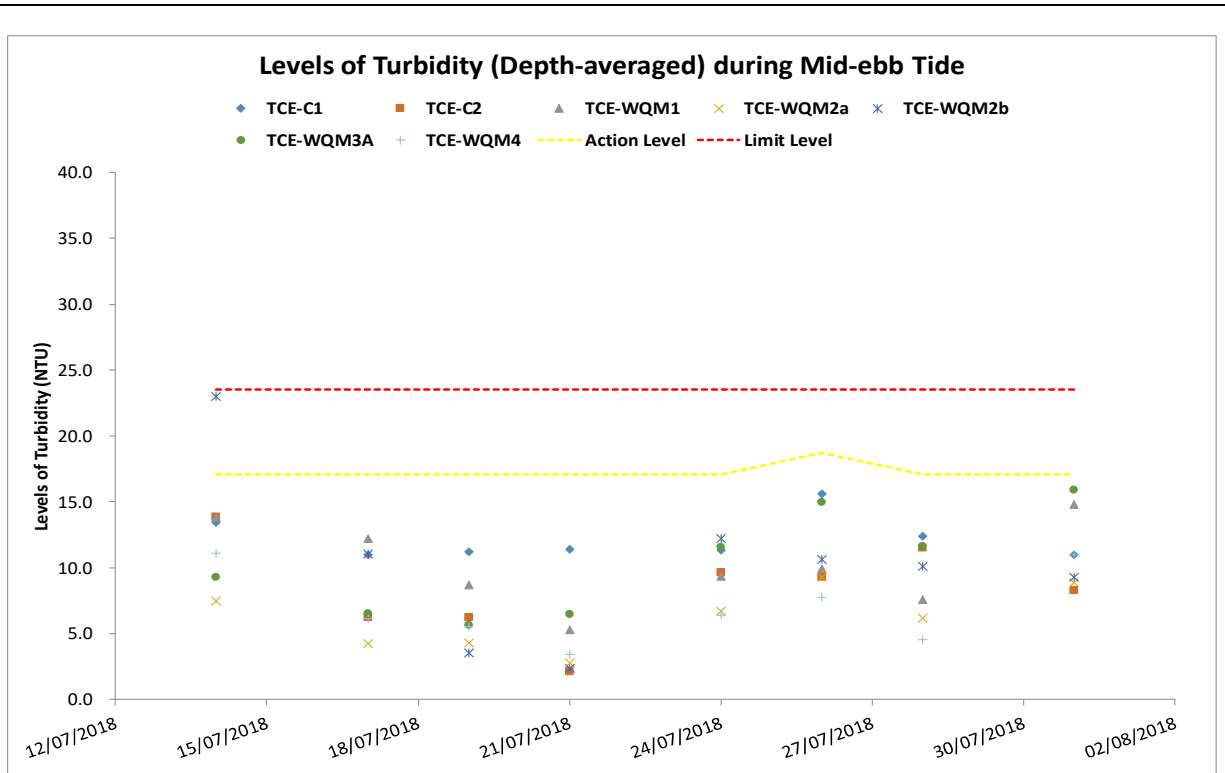


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 13 July and 31 July 2018

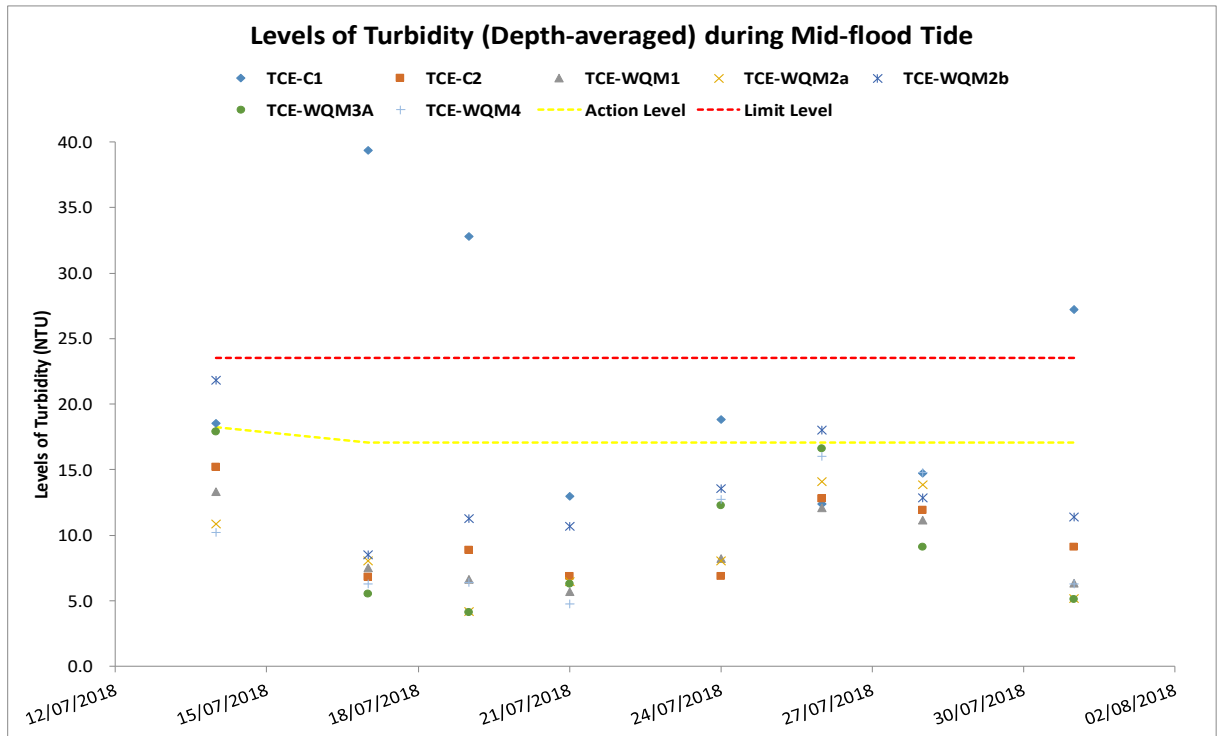


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 13 July and 31 July 2018

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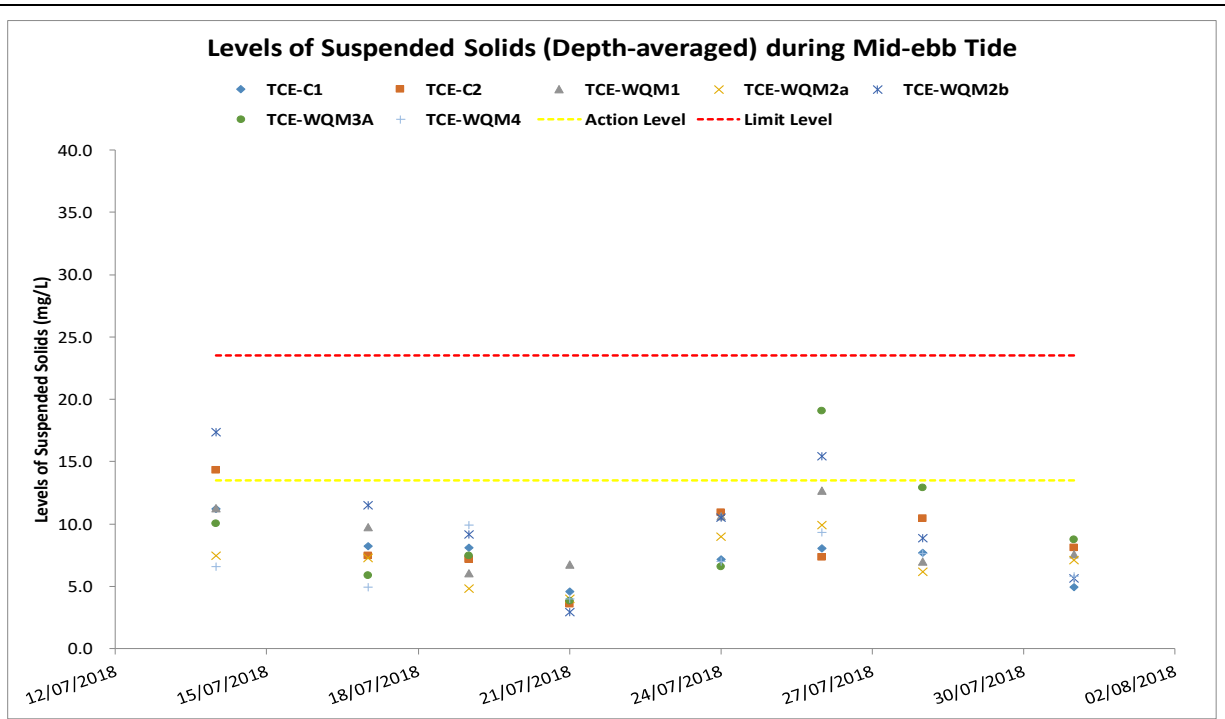


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 13 July and 31 July 2018

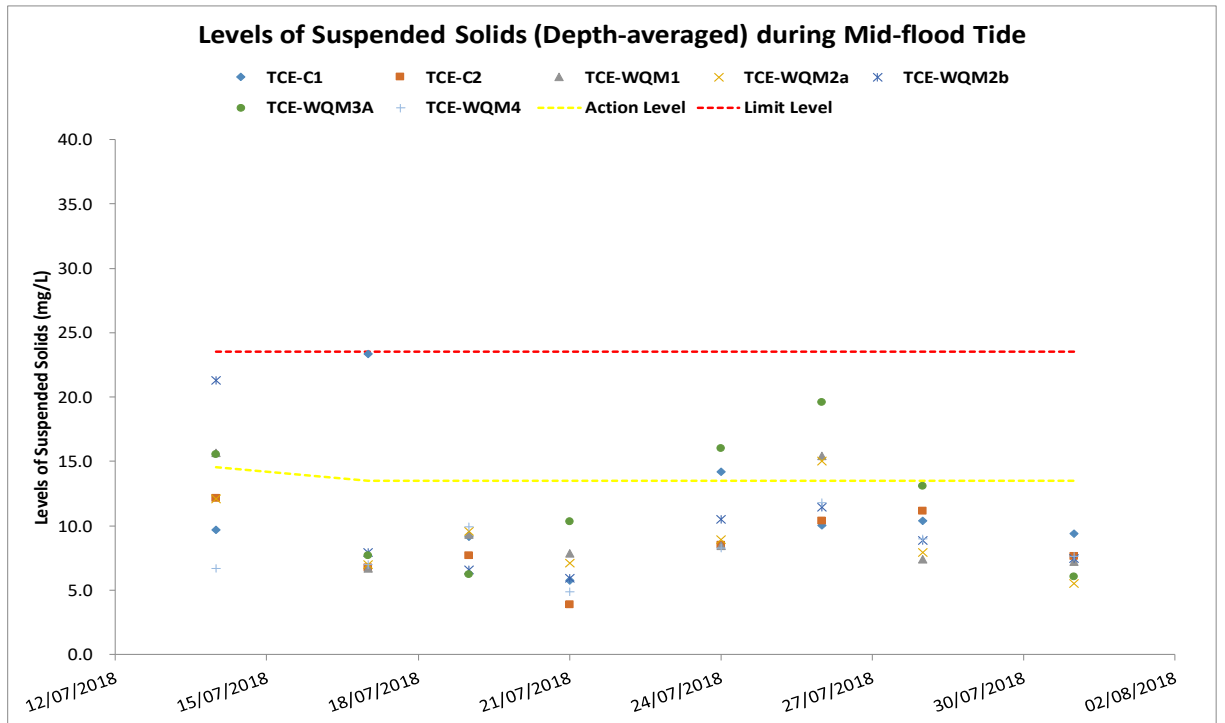


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 13 July and 31 July 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: July 2018

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