

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 05 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Fine	Moderate	15:08	Surface	1.1	21.6 21.5	21.5	8.4 8.4	8.4	32.6 32.7	32.6	96.3 96.2	96.3	7.0 7.0	7.0	7.1	2.7 2.7	2.7	3.3	5.8 5.8	5.8	6.5		
				Middle	8.9	21.3 21.6	21.5	8.4 8.3	8.3	34.3 34.3	34.3	94.2 94.2	94.2	7.2 7.2	7.2	7.2	7.1	3.4 3.4	3.4	3.3	4.9 4.9		4.9	
				Bottom	17.1	21.4 21.4	21.4	8.3 8.3	8.3	35.0 35.0	35.0	93.6 93.6	93.6	7.2 7.2	7.2	7.2	7.2	3.8 3.7	3.8	3.3	8.7 8.8		8.8	
C2	Fine	Moderate	13:55	Surface	1.0	22.3 21.3	21.8	8.3 8.3	8.3	31.9 31.9	31.9	98.0 98.1	98.1	6.9 6.9	6.9	7.1	3.6 3.5	3.6	3.9	7.8 7.6	7.7	22.7		
				Middle	16.0	21.3 21.3	21.3	8.3 8.3	8.3	34.3 34.4	34.3	93.0 92.9	93.0	7.3 7.3	7.3	7.3	7.1	3.9 3.9	3.9	3.9	29.9 30.4		30.2	
				Bottom	31.0	21.3 21.3	21.3	8.3 8.3	8.3	34.5 34.6	34.5	92.9 92.8	92.9	7.3 7.3	7.3	7.3	7.3	4.1 4.1	4.1	4.1	30.7 29.5		30.1	
G1	Fine	Moderate	14:29	Surface	1.0	22.3 21.3	21.8	8.3 8.3	8.3	33.6 33.6	33.6	106.1 106.1	106.1	6.3 6.3	6.3	6.5	1.6 1.7	1.7	1.6	12.9 13.4	13.2	9.3		
				Middle	4.1	21.3 21.3	21.3	8.3 8.3	8.3	34.0 34.0	34.0	100.7 100.8	100.8	6.7 6.6	6.6	6.5	6.5	6.5	1.6 1.6	1.6	1.6		7.9 7.8	7.9
				Bottom	7.0	21.2 21.2	21.2	8.3 8.3	8.3	34.5 34.4	34.4	98.8 99.0	98.9	6.8 6.8	6.8	6.8	6.8	1.6 1.7	1.6	1.6	6.8 7.1		7.0	
G2	Fine	Moderate	14:17	Surface	1.0	21.6 21.4	21.5	8.4 8.3	8.3	34.3 34.2	34.2	104.0 104.0	104.0	6.4 6.4	6.4	6.5	2.7 2.6	2.7	2.3	4.9 4.9	4.9	6.0		
				Middle	4.0	21.3 21.3	21.3	8.3 8.3	8.3	34.1 34.2	34.2	103.3 103.2	103.3	6.5 6.5	6.5	6.5	6.5	2.2 2.2	2.2	2.2	5.6 5.5		5.6	
				Bottom	7.0	21.3 21.3	21.3	8.3 8.3	8.3	34.4 34.5	34.5	101.9 100.8	101.4	6.6 6.7	6.6	6.6	6.6	2.1 2.2	2.1	2.1	7.1 7.3		7.4	
G3	Fine	Moderate	14:35	Surface	1.1	21.9 21.3	21.6	8.3 8.3	8.3	33.8 33.7	33.8	104.1 104.7	104.4	6.4 6.4	6.4	6.6	2.1 2.0	2.1	2.7	9.2 9.0	9.1	8.3		
				Middle	4.0	21.3 21.3	21.3	8.3 8.3	8.3	34.0 34.3	34.2	99.7 99.4	99.6	6.7 6.8	6.7	6.7	6.6	2.6 2.7	2.6	2.6	10.2 10.4		10.3	
				Bottom	7.0	21.1 21.3	21.2	8.3 8.3	8.3	35.3 35.4	35.3	94.7 94.5	94.6	7.1 7.2	7.2	7.2	7.2	3.5 3.4	3.5	3.5	5.6 5.5		5.6	
G4	Fine	Moderate	14:48	Surface	1.0	22.0 21.4	21.7	8.4 8.3	8.3	32.5 32.5	32.5	112.2 112.4	112.3	5.9 5.9	5.9	6.2	1.5 1.5	1.5	1.8	5.8 6.0	5.9	7.2		
				Middle	4.0	21.4 21.4	21.4	8.3 8.3	8.3	34.1 34.1	34.1	103.3 103.6	103.5	6.5 6.5	6.5	6.5	6.5	1.7 1.7	1.7	1.7	11.1 11.6		11.4	
				Bottom	6.9	21.3 21.3	21.3	8.3 8.3	8.3	34.7 34.6	34.7	97.1 96.7	96.9	6.9 7.0	7.0	7.0	7.0	2.1 2.2	2.1	2.1	4.4 4.4		4.4	
M1	Fine	Moderate	14:23	Surface	1.0	22.4 21.5	22.0	8.3 8.3	8.3	33.6 33.5	33.5	103.5 103.5	103.5	6.4 6.4	6.4	6.6	1.9 1.9	1.9	2.6	6.7 6.9	6.8	6.0		
				Middle	3.1	21.3 21.4	21.3	8.3 8.3	8.3	34.0 34.0	34.0	100.3 100.3	100.3	6.7 6.7	6.7	6.7	6.6	2.7 2.7	2.7	2.6	3.9 3.9		3.9	
				Bottom	4.9	21.2 21.3	21.2	8.3 8.3	8.3	34.1 34.1	34.1	99.8 99.8	99.8	6.7 6.7	6.7	6.7	6.7	3.1 3.2	3.1	3.1	7.3 7.4		7.4	
M2	Fine	Moderate	14:11	Surface	1.1	21.7 21.4	21.5	8.3 8.3	8.3	34.0 34.0	34.0	103.9 103.8	103.9	6.4 6.4	6.4	6.6	0.8 0.8	0.8	1.1	5.3 5.4	5.4	4.8		
				Middle	5.1	21.3 21.3	21.3	8.3 8.3	8.3	34.9 34.9	34.9	99.1 99.0	99.1	6.8 6.8	6.8	6.8	6.6	1.0 0.8	0.9	0.9	5.6 5.6		5.6	
				Bottom	11.0	21.2 21.2	21.2	8.3 8.3	8.3	35.5 35.5	35.5	94.7 94.7	94.7	7.1 7.1	7.1	7.1	7.1	1.7 1.5	1.6	1.6	3.5 3.5		3.5	
M3	Fine	Moderate	14:43	Surface	1.1	21.8 21.4	21.6	8.3 8.3	8.3	32.9 33.0	32.9	107.1 107.3	107.2	6.2 6.2	6.2	6.6	1.8 1.9	1.9	1.7	3.4 3.3	3.4	3.8		
				Middle	4.0	21.3 21.3	21.3	8.3 8.3	8.3	33.7 33.8	33.7	95.4 95.1	95.3	7.1 7.1	7.1	7.1	6.6	1.6 1.5	1.6	1.6	3.4 3.4		3.4	
				Bottom	7.0	21.1 21.2	21.1	8.3 8.3	8.3	34.8 34.9	34.8	94.1 93.9	94.0	7.2 7.2	7.2	7.2	7.2	1.8 1.8	1.8	1.8	4.6 4.8		4.7	
M4	Fine	Moderate	14:02	Surface	1.0	21.5 21.4	21.5	8.3 8.3	8.3	33.0 33.0	33.0	96.3 96.3	96.3	7.0 7.0	7.0	7.0	3.4 3.4	3.4	3.5	7.4 7.7	7.6	6.7		
				Middle	4.9	21.3 21.3	21.3	8.3 8.3	8.3	33.6 33.7	33.6	96.0 96.0	96.0	7.0 7.1	7.0	7.0	7.0	3.9 4.0	4.0	3.5	6.9 7.1		7.0	
				Bottom	9.1	21.3 21.3	21.3	8.3 8.3	8.3	34.1 34.2	34.1	98.2 98.6	98.4	6.9 6.8	6.9	6.9	6.9	3.3 3.2	3.3	3.3	5.5 5.8		5.7	
M5	Fine	Moderate	15:00	Surface	1.0	21.4 21.4	21.4	8.3 8.3	8.3	33.6 33.5	33.5	97.1 97.2	97.2	6.9 7.0	6.9	6.9	2.4 2.4	2.4	2.4	8.2 8.2	8.2	7.5		
				Middle	6.0	21.3 22.0	21.7	8.3 8.3	8.3	33.5 33.5	33.5	97.7 97.7	97.7	6.9 6.9	6.9	6.9	6.9	2.5 2.5	2.5	2.4	7.8 7.8		7.8	
				Bottom	11.1	21.4 21.4	21.4	8.3 8.3	8.3	33.6 33.7	33.6	96.8 96.6	96.7	7.0 7.0	7.0	7.0	7.0	2.4 2.4	2.4	2.4	6.6 6.5		6.6	
M6	Fine	Moderate	14:54	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9		
				Middle	2.0	21.7 21.4	21.6	8.3 8.3	8.3	33.7 33.7	33.7	106.0 106.1	106.1	6.3 6.3	6.3	6.3	6.3	1.9 1.9	1.9	1.9	4.8 4.9		4.9	
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 5 October 2020 (Mid-Ebb Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 4.9 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 5.3 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 9.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 10.0 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 9.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 10.0 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 36.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 39.1 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 05 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Fine	Moderate	08:50	Surface	0.9	21.6 21.5	21.5	8.3 8.3	8.3	32.7 32.7	32.7	97.3 97.4	97.4	7.0 6.9	6.9	7.1	3.1 3.3	3.2	3.9	7.2 7.2	7.2	6.7
				Middle	9.0	21.3 21.8	21.6	8.3 8.3	8.3	34.6 34.6	34.6	94.4 94.4	94.4	7.2 7.2	7.2		4.1 4.1	4.1		7.3 7.3	7.3	
				Bottom	16.9	21.4 21.4	21.4	8.3 8.3	8.3	34.6 34.6	34.6	94.1 94.2	94.2	7.2 7.2	7.2	4.5 4.5	4.5	5.4 5.5		5.5		
C2	Fine	Moderate	07:57	Surface	1.0	22.2 21.3	21.8	8.2 8.3	8.2	34.5 34.5	34.5	103.1 102.7	102.9	6.6 6.6	6.6	6.9	3.1 3.1	3.1	5.3	4.9 4.8	4.9	5.1
				Middle	16.0	21.3 21.3	21.3	8.3 8.3	8.3	34.5 34.5	34.5	93.0 92.9	93.0	7.3 7.3	7.3		6.4 6.4	6.4		6.1 6.1	6.0	
				Bottom	31.1	21.3 21.3	21.3	8.3 8.3	8.3	34.5 34.5	34.5	92.9 92.9	92.9	7.3 7.3	7.3	6.4 6.4	6.4	6.4 4.4		4.4		
G1	Fine	Moderate	08:21	Surface	1.1	21.7 21.3	21.5	8.3 8.3	8.3	33.6 33.5	33.6	107.5 107.5	107.5	6.2 6.2	6.2	6.4	1.6 1.6	1.6	1.9	5.7 5.6	5.7	7.0
				Middle	4.0	21.3 21.3	21.3	8.3 8.3	8.3	33.8 34.1	34.0	102.2 102.0	102.1	6.6 6.6	6.6		1.6 1.6	1.6		7.3 7.3	7.3	
				Bottom	7.1	21.3 21.2	21.2	8.3 8.3	8.3	34.5 34.6	34.5	98.4 98.0	98.2	6.8 6.9	6.9	2.6 2.6	2.6	7.9 8.0		8.0		
G2	Fine	Moderate	08:10	Surface	1.0	21.6 21.4	21.5	8.3 8.3	8.3	34.0 34.0	34.0	107.9 107.6	107.8	6.2 6.2	6.2	6.4	1.9 1.9	1.9	1.9	4.6 4.6	4.6	5.1
				Middle	4.1	21.3 21.3	21.3	8.3 8.3	8.3	34.3 34.3	34.3	102.6 102.6	102.6	6.5 6.5	6.5		1.8 1.8	1.8		4.6 4.6	4.6	
				Bottom	7.0	21.2 21.3	21.3	8.3 8.3	8.3	34.5 34.5	34.5	101.6 101.3	101.5	6.6 6.6	6.6	1.8 2.0	1.9	6.2 6.1		6.2		
G3	Fine	Moderate	08:26	Surface	1.0	21.6 21.3	21.4	8.3 8.3	8.3	33.1 33.1	33.1	109.6 109.7	109.7	6.1 6.1	6.1	6.3	2.0 2.0	2.0	2.2	7.4 7.5	7.5	7.4
				Middle	4.0	21.3 21.3	21.3	8.3 8.3	8.3	33.7 33.7	33.7	102.7 102.3	102.5	6.5 6.5	6.5		2.2 2.2	2.2		6.6 6.6	6.6	
				Bottom	7.0	21.1 21.3	21.2	8.3 8.3	8.3	35.2 35.2	35.2	95.3 95.3	95.3	7.1 7.1	7.1	2.5 2.5	2.5	8.2 8.3		8.3		
G4	Fine	Moderate	08:38	Surface	1.0	21.9 21.4	21.6	8.3 8.3	8.3	33.5 33.4	33.5	102.1 102.3	102.2	6.5 6.5	6.5	6.8	2.0 2.0	2.0	2.2	8.4 8.7	8.6	6.3
				Middle	4.0	21.4 21.4	21.4	8.3 8.3	8.3	33.5 33.6	33.5	95.8 95.4	95.6	7.0 7.1	7.0		1.8 1.8	1.8		4.7 4.9	4.8	
				Bottom	7.0	21.3 21.3	21.3	8.3 8.3	8.3	34.7 34.8	34.8	93.6 93.5	93.6	7.2 7.2	7.2	2.6 2.7	2.7	5.5 5.3		5.4		
M1	Fine	Moderate	08:14	Surface	1.0	21.7 21.5	21.6	8.3 8.3	8.3	33.4 33.5	33.5	105.9 105.4	105.7	6.3 6.3	6.3	6.5	2.3 2.4	2.4	2.6	7.7 7.6	7.7	9.7
				Middle	3.0	21.3 21.4	21.4	8.3 8.3	8.3	34.0 34.0	34.0	100.8 100.8	100.8	6.6 6.6	6.6		2.3 2.2	2.3		7.0 6.9	7.0	
				Bottom	5.0	21.2 21.3	21.2	8.3 8.3	8.3	34.1 34.1	34.1	99.8 99.4	99.6	6.7 6.7	6.7	3.1 3.2	3.2	14.2 14.6		14.4		
M2	Fine	Moderate	08:07	Surface	1.0	22.0 21.4	21.7	8.3 8.3	8.3	33.8 33.9	33.9	106.0 105.6	105.8	6.3 6.3	6.3	6.5	2.5 2.6	2.5	2.5	7.6 7.5	7.6	8.4
				Middle	6.0	21.3 21.3	21.3	8.3 8.3	8.3	34.8 34.8	34.8	99.6 99.5	99.6	6.8 6.8	6.8		2.3 2.3	2.3		6.8 6.8	6.8	
				Bottom	11.0	21.2 21.2	21.2	8.3 8.3	8.3	34.9 34.9	34.9	98.7 98.5	98.6	6.8 6.9	6.8	2.7 2.9	2.8	10.9 10.7		10.8		
M3	Fine	Moderate	08:33	Surface	1.0	21.6 21.4	21.5	8.3 8.3	8.3	33.4 33.4	33.4	105.9 106.2	106.1	6.3 6.3	6.3	6.6	2.4 2.3	2.4	2.4	6.9 7.1	7.0	7.1
				Middle	4.1	21.3 21.3	21.3	8.3 8.3	8.3	34.1 34.2	34.2	98.3 98.4	98.4	6.8 6.8	6.8		2.4 2.3	2.3		9.0 9.2	9.1	
				Bottom	7.1	21.1 21.2	21.2	8.3 8.3	8.3	35.1 35.2	35.2	95.9 95.7	95.8	7.0 7.1	7.1	2.5 2.6	2.6	5.0 5.3		5.2		
M4	Fine	Moderate	08:03	Surface	1.1	21.9 21.4	21.6	8.3 8.3	8.3	32.9 32.9	32.9	99.2 99.0	99.1	6.8 6.8	6.8	7.0	3.2 3.3	3.2	3.8	6.6 6.8	6.7	5.7
				Middle	5.0	21.3 21.3	21.3	8.3 8.3	8.3	33.9 33.9	33.9	95.1 95.1	95.1	7.1 7.1	7.1		4.3 4.4	4.3		6.0 6.0	6.0	
				Bottom	9.1	21.3 21.3	21.3	8.3 8.3	8.3	34.2 34.2	34.2	98.0 98.1	98.1	6.9 6.9	6.9	3.8 3.8	3.8	4.2 4.5		4.4		
M5	Fine	Moderate	08:46	Surface	1.1	21.4 21.4	21.4	8.3 8.3	8.3	33.5 33.4	33.5	101.3 101.4	101.4	6.7 6.7	6.7	6.7	2.5 2.4	2.5	2.1	6.2 6.2	6.2	7.5
				Middle	6.0	21.3 22.1	21.7	8.3 8.3	8.3	33.5 33.5	33.5	98.8 99.0	98.9	6.8 6.8	6.8		2.1 2.2	2.1		8.0 8.0	8.0	
				Bottom	11.0	21.3 21.4	21.4	8.3 8.3	8.3	33.6 33.6	33.6	96.7 96.8	96.8	7.0 7.0	7.0	1.9 1.9	1.9	8.3 8.2		8.3		
M6	Fine	Moderate	08:42	Surface	-	-	-	-	-	-	-	-	-	-	6.3	-	-	2.1	-	-	8.4	
				Middle	2.0	21.9 21.4	21.6	8.4 8.4	8.4	33.7 33.5	33.6	106.1 106.0	106.1	6.3 6.3		6.3	8.0 8.0		8.0	8.4 8.4		8.4
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 5 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 5.4 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 5.8 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 8.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 9.4 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 8.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 9.4 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 6.5 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 7.1 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 07 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)				pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
C1	Sunny	Calm	16:45	Surface	1.0	21.2 21.0	21.1	9.4 9.4	9.4	33.5 33.5	33.5	97.1 97.2	97.2	6.3 6.3	6.3	6.2	2.0 2.1	2.1	2.6	8.1 8.3	8.2	6.0		
				Middle	9.1	20.9 21.8	21.4	9.5 9.5	9.5	33.8 33.8	33.8	95.6 95.7	95.7	6.2 6.2	6.2		2.7 2.7	2.7		3.6 3.6	3.6			
				Bottom	17.0	20.9 20.9	20.9	9.5 9.5	9.5	33.9 33.9	33.9	95.4 95.3	95.4	6.1 6.1	6.1		3.1 3.3	3.2		6.1 6.3	6.2			
C2	Sunny	Calm	15:02	Surface	1.0	21.6 20.9	21.3	9.4 9.4	9.4	33.6 33.6	33.6	96.9 96.8	96.9	6.2 6.2	6.2	6.2	2.3 2.4	2.3	3.3	11.9 11.9	11.9	8.9		
				Middle	16.6	20.9 20.9	20.9	9.5 9.5	9.5	34.0 34.0	34.0	94.9 94.9	94.9	6.1 6.1	6.1		3.7 3.6	3.6		8.9 8.8	8.9			
				Bottom	32.1	20.9 20.9	20.9	9.5 9.5	9.5	34.1 34.1	34.1	94.7 94.7	94.7	6.1 6.1	6.1		4.0 3.9	3.9		5.8 5.9	5.9			
G1	Sunny	Calm	15:42	Surface	1.1	21.8 20.9	21.3	9.5 9.5	9.5	33.6 33.6	33.6	101.8 101.8	101.8	6.5 6.5	6.5	6.5	1.8 1.8	1.8	2.9	8.1 8.1	8.1	6.3		
				Middle	4.0	20.9 20.8	20.9	9.5 9.5	9.5	33.9 33.9	33.9	99.7 100.0	99.9	6.4 6.4	6.4		2.7 2.5	2.6		5.1 4.9	5.0			
				Bottom	7.1	20.8 20.7	20.8	9.5 9.5	9.5	34.0 34.0	34.0	98.0 97.6	97.8	6.3 6.3	6.3		4.1 4.3	4.2		5.9 5.7	5.8			
G2	Sunny	Calm	15:24	Surface	1.1	21.9 20.9	21.4	9.6 9.6	9.6	33.8 33.8	33.8	104.4 104.3	104.4	6.7 6.7	6.7	6.6	1.6 1.6	1.6	2.1	6.5 6.6	6.6	7.0		
				Middle	5.1	20.9 20.9	20.9	9.5 9.5	9.5	33.9 33.9	33.9	101.5 101.9	101.7	6.5 6.6	6.5		1.8 1.8	1.8		8.7 9.1	8.9			
				Bottom	9.1	20.8 20.9	20.8	9.5 9.5	9.5	34.0 34.0	34.0	98.6 98.0	98.3	6.3 6.3	6.3		2.9 3.0	2.9		5.6 5.5	5.6			
G3	Sunny	Calm	15:50	Surface	1.1	21.6 20.9	21.3	9.5 9.5	9.5	33.7 33.7	33.7	101.4 101.4	101.4	6.5 6.5	6.5	6.5	1.7 1.7	1.7	2.8	5.3 5.4	5.4	6.8		
				Middle	4.1	20.8 20.9	20.9	9.5 9.5	9.5	33.9 33.8	33.9	99.9 100.4	100.2	6.4 6.4	6.4		2.6 2.4	2.5		8.8 8.9	8.9			
				Bottom	7.1	20.7 20.8	20.8	9.5 9.6	9.5	34.1 34.1	34.1	97.2 97.1	97.2	6.2 6.2	6.2		4.0 4.1	4.0		6.2 6.2	6.2			
G4	Sunny	Calm	16:02	Surface	1.1	21.4 21.0	21.2	9.6 9.6	9.6	33.7 33.7	33.7	101.1 101.3	101.2	6.5 6.5	6.5	6.5	1.7 1.7	1.7	2.8	5.2 5.3	5.3	6.0		
				Middle	4.1	21.0 20.9	21.0	9.6 9.6	9.6	33.9 33.8	33.8	99.9 100.4	100.2	6.4 6.5	6.4		2.6 2.3	2.5		6.0 6.1	6.1			
				Bottom	7.0	20.9 20.9	20.9	9.6 9.6	9.6	34.1 34.1	34.1	96.7 96.7	96.7	6.2 6.2	6.2		4.4 4.4	4.4		6.6 6.6	6.6			
M1	Sunny	Calm	15:30	Surface	1.0	21.3 21.1	21.2	9.5 9.5	9.5	33.7 33.8	33.8	98.5 98.4	98.5	6.3 6.3	6.3	6.3	3.0 3.0	3.0	4.5	6.3 6.3	6.3	5.7		
				Middle	3.0	20.9 21.0	20.9	9.5 9.5	9.5	33.9 33.9	33.9	97.2 97.6	97.4	6.2 6.3	6.2		3.5 3.4	3.4		8.0 7.9	8.0			
				Bottom	5.1	20.8 20.8	20.8	9.5 9.5	9.5	34.0 34.0	34.0	94.9 94.6	94.8	6.1 6.1	6.1		6.8 7.6	7.2		2.9 2.9	2.9			
M2	Sunny	Calm	15:17	Surface	1.1	21.4 20.9	21.2	9.7 9.6	9.6	33.7 33.7	33.7	103.2 103.0	103.1	6.7 6.6	6.6	6.6	1.8 1.8	1.8	2.0	6.1 6.1	6.1	5.5		
				Middle	5.5	20.8 20.9	20.8	9.6 9.6	9.6	33.8 33.8	33.8	101.4 101.4	101.4	6.5 6.5	6.5		1.7 1.7	1.7		4.8 4.8	4.8			
				Bottom	10.0	20.8 20.8	20.8	9.5 9.5	9.5	34.0 34.0	34.0	97.9 97.8	97.9	6.3 6.3	6.3		2.5 2.4	2.4		5.5 5.5	5.5			
M3	Sunny	Calm	15:56	Surface	1.0	21.7 21.0	21.3	9.6 9.6	9.6	33.7 33.7	33.7	100.0 100.5	100.3	6.4 6.5	6.4	6.4	1.9 1.8	1.9	2.8	4.3 4.3	4.3	4.5		
				Middle	4.0	20.9 20.9	20.9	9.6 9.6	9.6	33.9 33.9	33.9	99.0 99.4	99.2	6.3 6.4	6.4		2.6 2.6	2.6		3.3 3.3	3.3			
				Bottom	7.0	20.7 20.8	20.7	9.6 9.6	9.6	34.1 34.1	34.1	96.8 96.8	96.8	6.2 6.2	6.2		4.1 4.0	4.1		5.7 5.9	5.8			
M4	Sunny	Calm	15:10	Surface	1.1	21.8 21.0	21.4	9.6 9.6	9.6	33.8 33.8	33.8	98.0 97.9	98.0	6.3 6.3	6.3	6.2	3.2 3.1	3.1	4.1	5.4 5.3	5.4	5.6		
				Middle	5.1	20.9 20.9	20.9	9.5 9.5	9.5	34.1 34.1	34.1	95.6 95.7	95.7	6.1 6.1	6.1		4.6 4.5	4.6		5.7 5.8	5.8			
				Bottom	9.1	20.8 20.9	20.8	9.5 9.5	9.5	34.1 34.1	34.1	95.3 95.3	95.3	6.1 6.1	6.1		4.6 4.6	4.6		5.6 5.8	5.7			
M5	Sunny	Calm	16:33	Surface	1.1	21.0 21.0	21.0	9.1 9.1	9.1	33.6 33.6	33.6	97.7 97.5	97.6	6.3 6.3	6.3	6.2	2.6 2.6	2.6	3.0	6.6 6.9	6.8	6.6		
				Middle	6.0	20.9 21.1	21.0	9.2 9.2	9.2	33.7 33.7	33.7	96.5 96.6	96.6	6.2 6.2	6.2		2.7 2.7	2.7		7.3 7.6	7.5			
				Bottom	11.0	20.9 20.9	20.9	9.3 9.3	9.3	34.0 34.0	34.0	95.4 95.3	95.4	6.1 6.1	6.1		3.7 3.7	3.7		5.6 5.5	5.6			
M6	Sunny	Calm	16:13	Surface	-	-	-	-	-	-	-	-	-	-	6.1	-	-	5.9	-	-	7.0			
				Middle	2.2	21.4 20.9	21.2	9.5 9.5	9.5	34.0 34.0	34.0	94.4 94.4	94.4	6.1 6.1		6.1	5.9 5.8		5.9	6.9 7.1		7.0		
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-	

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 7 October 2020 (Mid-Ebb Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 4.7 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 5.1 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 14.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 15.5 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 14.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 15.5 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 7.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 7.6 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 07 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	11:13	Surface	1.1	28.6 28.6	28.6	9.4 9.4	9.4	33.5 33.5	33.5	97.1 97.1	97.1	6.3 6.3	6.3	6.2	2.1 2.1	2.1	2.7	8.4 8.5	8.5	6.7
				Middle	8.5	28.6 28.6	28.6	9.5 9.5	9.5	33.7 33.7	33.7	95.9 96.1	96.0	6.2 6.2	6.2		2.6 2.5	2.6		6.0 6.2	6.1	
				Bottom	16.0	28.6 28.6	28.6	9.5 9.5	9.5	34.0 34.0	34.0	95.2 95.1	95.2	6.1 6.1	6.1		3.4 3.4	3.4		5.6 5.7	5.7	
C2	Sunny	Calm	09:40	Surface	1.1	28.6 28.6	28.6	9.4 9.4	9.4	33.5 33.6	33.5	97.0 96.9	97.0	6.2 6.2	6.2	6.2	2.1 2.2	2.2	3.3	3.7 3.6	3.7	4.9
				Middle	16.0	28.6 28.6	28.6	9.5 9.5	9.5	34.0 34.0	34.0	94.9 94.9	94.9	6.1 6.1	6.1		3.6 3.6	3.6		6.1 6.1	6.1	
				Bottom	31.1	28.6 28.6	28.6	9.5 9.5	9.5	34.1 34.1	34.1	94.7 94.7	94.7	6.1 6.1	6.1		4.1 4.1	4.1		4.1 4.8	4.8	
G1	Sunny	Calm	10:20	Surface	1.1	28.6 28.6	28.6	9.5 9.5	9.5	33.7 33.7	33.7	101.8 101.7	101.8	6.5 6.5	6.5	6.5	1.8 1.8	1.8	3.0	4.0 3.9	4.0	6.8
				Middle	3.7	28.7 28.7	28.7	9.5 9.5	9.5	33.8 33.8	33.8	100.5 100.8	100.7	6.5 6.5	6.5		2.4 2.3	2.4		5.7 5.8	5.8	
				Bottom	6.6	28.6 28.6	28.6	9.5 9.5	9.5	34.1 34.1	34.1	97.2 97.0	97.1	6.2 6.2	6.2		4.6 4.9	4.8		10.7 10.6	10.7	
G2	Sunny	Calm	10:01	Surface	1.1	28.6 28.6	28.6	9.5 9.5	9.5	33.8 33.8	33.8	104.2 104.2	104.2	6.7 6.7	6.7	6.7	1.6 1.6	1.6	2.1	7.5 7.5	7.5	6.9
				Middle	5.0	28.6 28.6	28.6	9.5 9.5	9.5	33.8 33.8	33.8	102.7 103.2	103.0	6.6 6.6	6.6		1.7 1.7	1.7		6.5 6.6	6.6	
				Bottom	9.1	28.7 28.7	28.7	9.5 9.5	9.5	34.0 34.0	34.0	97.4 97.0	97.2	6.2 6.2	6.2		3.1 3.2	3.2		6.6 6.4	6.5	
G3	Sunny	Calm	10:27	Surface	1.0	28.6 28.6	28.6	9.5 9.5	9.5	33.7 33.7	33.7	100.8 101.2	101.0	6.5 6.5	6.5	6.4	1.7 1.7	1.7	2.7	9.8 9.8	9.8	7.3
				Middle	3.8	28.7 28.7	28.7	9.5 9.5	9.5	33.9 33.9	33.9	99.1 99.4	99.3	6.4 6.4	6.4		2.8 2.8	2.8		6.6 6.8	6.7	
				Bottom	6.5	28.6 28.6	28.6	9.5 9.5	9.5	34.0 34.0	34.0	97.8 97.5	97.7	6.3 6.3	6.3		3.5 3.8	3.6		5.5 5.5	5.5	
G4	Sunny	Calm	10:42	Surface	1.0	28.7 28.6	28.6	9.6 9.6	9.6	33.7 33.7	33.7	100.2 100.7	100.5	6.4 6.5	6.5	6.4	1.9 1.7	1.8	3.1	4.4 4.5	4.5	7.8
				Middle	3.7	28.6 28.6	28.6	9.6 9.6	9.6	33.9 33.9	33.9	98.9 99.4	99.2	6.3 6.4	6.4		3.2 2.9	3.1		8.0 7.8	7.9	
				Bottom	6.6	28.6 28.6	28.6	9.6 9.6	9.6	34.1 34.1	34.1	97.0 96.8	96.9	6.2 6.2	6.2		4.4 4.4	4.4		11.1 11.2	11.2	
M1	Sunny	Calm	10:09	Surface	1.1	28.6 28.6	28.6	9.6 9.6	9.6	33.7 33.7	33.7	98.8 98.6	98.7	6.3 6.3	6.3	6.3	3.0 3.0	3.0	4.1	5.3 5.5	5.4	6.5
				Middle	3.0	28.7 28.7	28.7	9.5 9.5	9.5	33.9 33.9	33.9	96.5 96.9	96.7	6.2 6.2	6.2		3.8 3.6	3.7		6.9 6.9	6.9	
				Bottom	5.1	28.7 28.7	28.7	9.5 9.5	9.5	34.0 34.0	34.0	95.5 95.2	95.4	6.1 6.1	6.1		5.3 5.8	5.6		7.3 7.1	7.2	
M2	Sunny	Calm	09:54	Surface	1.1	28.5 28.5	28.5	9.7 9.7	9.7	33.7 33.7	33.7	104.1 103.6	103.9	6.7 6.7	6.7	6.6	1.8 1.8	1.8	2.0	4.1 4.1	4.1	5.7
				Middle	5.2	28.5 28.5	28.5	9.5 9.6	9.5	33.8 33.8	33.8	101.6 101.5	101.6	6.5 6.5	6.5		1.6 1.6	1.6		5.1 5.1	5.1	
				Bottom	9.5	28.5 28.5	28.5	9.5 9.5	9.5	34.0 34.0	34.0	98.5 98.1	98.3	6.3 6.3	6.3		2.6 2.5	2.6		8.1 7.9	8.0	
M3	Sunny	Calm	10:35	Surface	1.1	28.7 28.7	28.7	9.6 9.6	9.6	33.7 33.7	33.7	100.8 101.0	100.9	6.5 6.5	6.5	6.4	1.8 1.8	1.8	2.7	7.3 7.4	7.4	6.1
				Middle	3.7	28.7 28.7	28.7	9.6 9.6	9.6	33.9 33.8	33.9	99.9 100.3	100.1	6.4 6.4	6.4		2.5 2.4	2.4		5.3 5.6	5.5	
				Bottom	6.5	28.6 28.6	28.6	9.6 9.6	9.6	34.1 34.1	34.1	96.8 96.8	96.8	6.2 6.2	6.2		4.0 4.0	4.0		5.5 5.4	5.5	
M4	Sunny	Calm	09:48	Surface	1.0	28.6 28.6	28.6	9.6 9.6	9.6	33.8 33.8	33.8	97.7 97.6	97.7	6.3 6.3	6.3	6.2	3.1 3.1	3.1	4.0	6.1 6.2	6.2	5.2
				Middle	5.0	28.6 28.6	28.6	9.5 9.5	9.5	34.1 34.1	34.1	95.8 95.8	95.8	6.1 6.1	6.1		4.5 4.4	4.4		4.9 4.9	4.9	
				Bottom	9.0	28.6 28.6	28.6	9.5 9.5	9.5	34.1 34.1	34.1	95.3 95.3	95.3	6.1 6.1	6.1		4.6 4.6	4.6		4.7 4.6	4.7	
M5	Sunny	Calm	11:02	Surface	1.1	28.6 28.6	28.6	9.1 9.1	9.1	33.6 33.6	33.6	98.3 97.9	98.1	6.3 6.3	6.3	6.3	2.6 2.6	2.6	3.0	4.4 4.5	4.5	5.2
				Middle	5.5	28.6 28.6	28.6	9.2 9.2	9.2	33.7 33.7	33.7	96.2 96.3	96.3	6.2 6.2	6.2		2.7 2.7	2.7		3.9 3.7	3.8	
				Bottom	10.0	28.6 28.6	28.6	9.3 9.3	9.3	34.0 34.0	34.0	95.4 95.4	95.4	6.1 6.1	6.1		3.6 3.6	3.6		7.2 7.5	7.4	
M6	Sunny	Calm	10:51	Surface	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	5.7	-	-	9.5
				Middle	2.0	28.7 28.7	28.7	9.5 9.5	9.5	34.0 34.0	34.0	94.2 94.2	94.2	6.0 6.0	6.0		8.0 8.0	8.0		9.4 9.6	9.5	
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 7 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.1 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.4 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 10.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 11.0 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 10.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 11.0 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 6.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 7.3 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 09 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
C1	Sunny	Moderate	16:24	Surface	1.0	28.4 28.4	28.4	8.5 8.5	8.5	33.9 33.9	33.9	109.3 109.3	109.3	7.0 7.0	7.0	7.0	2.6 2.5	2.5	2.7	2.6 2.7	2.7	6.0 5.9	6.0	5.6
				Middle	9.1	28.3 28.3	28.3	8.5 8.5	8.5	33.9 33.9	33.9	108.0 107.6	107.8	7.0 6.9	7.0		2.7 2.7			5.4 5.3				
				Bottom	17.1	28.2 28.1	28.1	8.5 8.5	8.5	34.0 34.0	34.0	105.4 105.2	105.3	6.8 6.8	6.8		2.7 2.8			2.8		5.3 5.5		
C2	Sunny	Moderate	15:09	Surface	1.1	28.3 28.3	28.3	8.4 8.4	8.4	33.9 33.9	33.9	106.2 106.3	106.3	6.9 6.9	6.9	6.8	2.5 2.5	2.5	2.6	2.5 2.6	2.6	6.8 6.6	6.7	6.7
				Middle	16.1	28.2 28.2	28.2	8.6 8.6	8.6	33.9 33.9	33.9	105.4 105.1	105.3	6.8 6.8	6.8		2.6 2.6			4.4 4.4				
				Bottom	31.1	28.1 28.0	28.0	8.6 8.6	8.6	34.0 34.0	34.0	102.2 101.5	101.9	6.6 6.6	6.6		2.7 3.0			2.8		9.0 9.0		
G1	Sunny	Moderate	15:45	Surface	1.1	28.4 28.4	28.4	8.6 8.6	8.6	33.0 33.0	33.0	101.8 101.4	101.6	6.6 6.6	6.6	6.5	2.2 2.2	2.2	2.6	2.2 2.6	2.6	5.0 5.0	5.0	5.8
				Middle	4.1	28.2 28.2	28.2	8.5 8.5	8.5	33.7 33.7	33.7	99.4 99.5	99.5	6.4 6.4	6.4		2.6 2.7			6.9 6.8				
				Bottom	7.1	28.1 28.1	28.1	8.5 8.5	8.5	33.9 33.9	33.9	95.8 95.1	95.5	6.2 6.2	6.2		2.7 3.0			2.8		5.4 5.5		
G2	Sunny	Moderate	15:31	Surface	1.1	28.3 28.4	28.4	8.5 8.5	8.5	33.9 33.9	33.9	107.1 107.3	107.2	6.9 6.9	6.9	6.8	1.9 1.8	1.8	2.0	1.9 2.0	1.9	7.2 7.2	7.2	6.3
				Middle	5.0	28.3 28.3	28.3	8.6 8.6	8.6	33.9 33.9	33.9	103.6 103.0	103.3	6.7 6.7	6.7		1.9 2.0			5.6 5.6				
				Bottom	9.1	28.1 28.1	28.1	8.6 8.6	8.6	33.9 33.9	33.9	101.4 101.0	101.2	6.6 6.5	6.5		2.3 2.3			2.3		6.0 5.9		
G3	Sunny	Moderate	15:51	Surface	1.1	28.7 28.6	28.6	8.5 8.5	8.5	33.6 33.7	33.6	100.4 100.9	100.7	6.5 6.5	6.5	6.4	2.6 2.6	2.6	3.0	2.6 3.0	3.0	24.5 23.4	24.0	21.2
				Middle	4.0	28.4 28.3	28.3	8.5 8.5	8.5	33.9 33.9	33.9	98.3 97.3	97.8	6.3 6.3	6.3		3.0 3.0			27.9 27.8				
				Bottom	7.0	28.1 28.1	28.1	8.5 8.5	8.5	33.9 33.9	33.9	96.0 95.9	96.0	6.2 6.2	6.2		3.5 3.7			3.6		11.7 11.7		
G4	Sunny	Moderate	16:06	Surface	1.1	28.6 28.6	28.6	8.6 8.6	8.6	33.8 33.8	33.8	102.0 101.7	101.9	6.6 6.5	6.5	6.5	2.7 2.7	2.7	2.8	2.7 2.8	2.8	4.4 4.2	4.3	4.5
				Middle	4.0	28.3 28.2	28.3	8.6 8.5	8.5	33.9 33.9	33.9	100.2 99.7	100.0	6.5 6.4	6.5		2.8 2.8			4.6 4.7				
				Bottom	6.5	28.1 28.0	28.0	8.5 8.5	8.5	33.9 33.9	33.9	96.0 95.3	95.7	6.2 6.2	6.2		2.9 2.8			2.8		4.4 4.6		
M1	Sunny	Moderate	15:37	Surface	1.1	28.4 28.4	28.4	8.6 8.6	8.6	33.7 33.7	33.7	105.2 104.8	105.0	6.8 6.8	6.8	6.7	2.2 2.2	2.2	2.3	2.2 2.1	2.2	6.1 6.0	6.1	5.3
				Middle	3.0	28.4 28.4	28.4	8.5 8.5	8.5	33.8 33.8	33.8	103.6 103.5	103.6	6.7 6.7	6.7		2.5 2.5			5.8 5.6				
				Bottom	5.1	28.3 28.3	28.3	8.5 8.5	8.5	33.9 33.9	33.9	103.8 103.7	103.8	6.7 6.7	6.7		2.5 2.5			4.2 4.2				
M2	Sunny	Moderate	15:24	Surface	1.1	28.5 28.5	28.5	8.5 8.5	8.5	33.9 33.8	33.8	107.7 107.7	107.7	6.9 6.9	6.9	6.8	1.8 1.8	1.8	2.0	1.8 2.0	2.0	3.2 3.1	3.2	2.9
				Middle	6.0	28.2 28.2	28.2	8.5 8.5	8.5	33.9 33.9	33.9	102.8 102.6	102.7	6.6 6.6	6.6		2.0 2.0			2.8 2.8				
				Bottom	11.1	28.1 28.1	28.1	8.5 8.5	8.5	33.9 33.9	33.9	101.6 101.2	101.4	6.6 6.6	6.6		2.1 2.2			2.2		2.8 2.9		
M3	Sunny	Moderate	15:58	Surface	1.0	28.7 28.7	28.7	8.5 8.5	8.5	33.8 33.8	33.8	104.3 104.1	104.2	6.7 6.7	6.7	6.5	2.1 2.1	2.1	2.5	2.1 2.6	2.5	4.9 5.0	5.0	5.8
				Middle	4.1	28.4 28.3	28.3	8.5 8.5	8.5	33.9 33.9	33.9	97.5 97.1	97.3	6.3 6.3	6.3		2.5 2.5			6.2 6.2				
				Bottom	7.0	28.1 28.1	28.1	8.5 8.5	8.5	33.9 33.9	33.9	96.1 96.1	96.1	6.2 6.2	6.2		2.8 2.9			2.8		6.3 6.3		
M4	Sunny	Moderate	15:17	Surface	1.1	28.5 28.5	28.5	8.5 8.5	8.5	33.8 33.8	33.8	108.7 108.7	108.7	7.0 7.0	7.0	6.8	2.5 2.5	2.5	2.4	2.5 2.3	2.3	7.0 7.0	7.0	6.1
				Middle	5.1	28.3 28.2	28.2	8.5 8.5	8.5	33.9 33.9	33.9	103.5 103.2	103.4	6.7 6.7	6.7		2.2 2.3			5.9 5.9				
				Bottom	9.0	28.1 28.1	28.1	8.5 8.5	8.5	33.9 33.9	33.9	101.5 101.1	101.3	6.6 6.5	6.6		2.3 2.3			5.3 5.5				
M5	Sunny	Moderate	16:18	Surface	1.1	28.1 28.1	28.1	8.5 8.5	8.5	33.8 33.8	33.8	103.7 103.4	103.6	6.7 6.7	6.7	6.6	2.8 2.6	2.7	2.5	2.6 2.5	2.6	4.6 4.6	4.6	5.3
				Middle	6.1	28.1 28.1	28.1	8.5 8.5	8.5	33.9 33.9	33.9	100.0 99.8	99.9	6.5 6.5	6.5		2.6 2.5			5.2 5.3				
				Bottom	11.0	28.1 28.0	28.0	8.5 8.5	8.5	33.9 33.9	33.9	100.1 100.1	100.1	6.5 6.5	6.5		2.4 2.3			2.3		6.0 6.1		
M6	Sunny	Moderate	16:12	Surface	-	-	-	-	-	-	-	-	-	-	-	6.5	-	-	3.0	-	-	-	-	4.9
				Middle	2.0	28.3 28.3	28.3	8.6 8.6	8.6	33.9 33.9	33.9	101.4 100.6	101.0	6.5 6.5	6.5		8.0 8.0			8.0		4.9 4.8		
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-			-		-		

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.  
 \*\*\*MWQ Monitoring was only conducted on ebb tide

**Appendix I - Action and Limit Levels for Marine Water Quality on 9 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.3 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.6 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 7.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 7.7 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 7.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 7.7 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 6.5 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 7.1 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 12 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value
C1	Cloudy	Moderate	09:28	Surface	1.1	28.0 28.0	28.0	8.4 8.4	8.4	32.2 32.2	32.2	99.8 99.5	99.7	6.5 6.4	6.5	6.4	1.8 1.8	1.8	3.4	5.1 5.0	5.1	7.0
				Middle	9.1	27.7 27.8	27.7	8.4 8.4	8.4	32.3 32.3	32.3	97.1 97.7	97.4	6.3 6.3	6.3		1.9 1.9	1.9		10.0 10.1	10.1	
				Bottom	17.1	27.7 27.7	27.7	8.4 8.4	8.4	32.5 32.5	32.5	92.1 91.5	91.8	6.0 6.0	6.0		6.0	6.0		6.5 6.8	6.6	
C2	Cloudy	Moderate	08:31	Surface	1.1	28.0 28.0	28.0	8.6 8.5	8.5	32.2 32.2	32.2	101.8 101.3	101.6	6.6 6.6	6.6	6.5	2.3 2.3	2.3	2.2	2.3 10.0	10.0	6.9
				Middle	16.5	27.7 27.7	27.7	8.6 8.5	8.5	32.3 32.3	32.3	100.1 100.2	100.2	6.5 6.5	6.5		2.1 2.1	2.1		3.6 3.5	3.6	
				Bottom	31.0	27.6 27.7	27.7	8.5 8.5	8.5	32.3 32.3	32.3	99.1 99.0	99.1	6.4 6.4	6.4		6.4	2.1 2.1		2.1	7.4 7.0	
G1	Cloudy	Moderate	08:57	Surface	1.1	27.9 27.9	27.9	8.5 8.5	8.5	31.4 31.8	31.6	102.6 102.2	102.4	6.7 6.6	6.6	6.5	1.5 1.6	1.6	1.5	6.2 6.1	6.2	4.6
				Middle	3.7	27.9 27.9	27.9	8.5 8.5	8.5	32.5 32.5	32.5	98.7 99.1	98.9	6.4 6.4	6.4		1.7 1.6	1.6		2.8 2.8	2.8	
				Bottom	6.5	27.9 27.9	27.9	8.5 8.5	8.5	32.6 32.6	32.6	86.8 84.6	85.7	5.6 5.5	5.6		5.6	1.3 1.6		1.4	5.0 4.7	
G2	Cloudy	Moderate	08:48	Surface	1.0	27.8 27.8	27.8	8.5 8.5	8.5	32.2 32.2	32.2	99.1 98.9	99.0	6.4 6.4	6.4	6.6	1.8 1.6	1.7	1.4	3.3 3.2	3.3	5.4
				Middle	5.1	27.8 27.8	27.8	8.6 8.5	8.6	32.5 32.5	32.5	105.1 105.0	105.1	6.8 6.8	6.8		1.2 1.2	1.2		7.3 7.1	7.2	
				Bottom	9.0	27.6 27.7	27.6	8.5 8.5	8.5	32.6 32.6	32.6	105.3 105.2	105.3	6.8 6.8	6.8		6.8	1.4 1.4		1.4	5.5 5.7	
G3	Cloudy	Moderate	09:00	Surface	1.0	27.9 27.9	27.9	8.4 8.5	8.4	32.0 32.1	32.1	104.2 103.9	104.1	6.7 6.7	6.7	6.5	1.5 1.6	1.6	1.4	5.4 5.2	5.3	6.8
				Middle	3.7	27.9 27.9	27.9	8.4 8.4	8.4	32.4 32.3	32.4	97.8 98.1	98.0	6.3 6.4	6.3		1.3 1.3	1.3		7.9 7.7	7.8	
				Bottom	6.5	27.6 27.9	27.7	8.5 8.4	8.5	32.5 32.1	32.3	96.0 104.3	100.2	6.2 6.7	6.5		6.5	1.4 1.4		1.4	7.3 7.0	
G4	Cloudy	Moderate	09:12	Surface	1.1	28.0 27.9	27.9	8.4 8.4	8.4	31.5 31.7	31.6	102.6 102.7	102.7	6.6 6.6	6.6	6.6	1.6 1.6	1.6	1.5	3.9 3.9	3.9	5.9
				Middle	3.7	27.9 27.9	27.9	8.4 8.4	8.4	32.3 32.2	32.2	102.9 103.0	103.0	6.7 6.7	6.7		0.8 0.9	0.9		6.1 6.0	6.1	
				Bottom	6.5	27.8 27.7	27.7	8.4 8.4	8.4	32.6 32.6	32.6	97.8 97.7	97.8	6.3 6.3	6.3		6.3	1.9 2.0		1.9	7.8 7.5	
M1	Cloudy	Moderate	08:52	Surface	1.0	28.0 27.9	27.9	8.5 8.5	8.5	31.7 31.8	31.7	97.2 96.9	97.1	6.3 6.3	6.3	6.2	1.9 1.9	1.9	2.0	2.8 2.6	2.7	3.4
				Middle	3.0	27.9 27.9	27.9	8.5 8.5	8.5	32.1 32.0	32.0	94.2 94.6	94.4	6.1 6.1	6.1		2.0 2.0	2.0		3.1 3.1	3.1	
				Bottom	5.0	27.8 27.8	27.8	8.5 8.5	8.5	32.4 32.4	32.4	91.5 91.0	91.3	5.9 5.9	5.9		5.9	2.1 2.1		2.1	4.4 4.4	
M2	Cloudy	Moderate	08:44	Surface	1.0	27.8 27.8	27.8	8.5 8.5	8.5	32.2 32.2	32.2	105.7 106.0	105.9	6.8 6.9	6.8	6.8	1.0 1.0	1.0	0.9	3.3 3.4	3.4	4.5
				Middle	5.2	27.6 27.8	27.7	8.5 8.5	8.5	32.4 32.3	32.4	105.2 105.4	105.3	6.8 6.8	6.8		0.8 0.8	0.8		5.1 5.0	5.1	
				Bottom	9.5	27.6 27.6	27.6	8.6 8.6	8.6	32.7 32.7	32.7	96.5 96.5	96.5	6.3 6.2	6.2		6.2	0.8 0.9		0.8	5.0 5.2	
M3	Cloudy	Moderate	09:07	Surface	1.0	27.9 27.9	27.9	8.4 8.4	8.4	32.1 32.1	32.1	104.3 104.1	104.2	6.7 6.7	6.7	6.5	1.7 1.7	1.7	1.0	8.0 7.8	7.9	7.2
				Middle	3.7	27.9 27.9	27.9	8.4 8.4	8.4	32.5 32.4	32.4	96.5 96.8	96.7	6.3 6.3	6.3		0.3 0.3	0.3		6.2 6.3	6.3	
				Bottom	6.5	27.7 27.6	27.7	8.4 8.4	8.4	32.5 32.5	32.5	90.3 89.1	89.7	5.9 5.8	5.8		5.8	0.9 0.9		0.9	7.2 7.5	
M4	Cloudy	Moderate	08:38	Surface	1.0	27.9 27.8	27.9	8.5 8.5	8.5	31.1 31.1	31.1	103.7 104.1	103.9	6.7 6.8	6.7	6.6	0.6 0.6	0.6	1.1	11.6 11.0	11.3	8.6
				Middle	5.0	27.8 27.8	27.8	8.6 8.6	8.6	32.6 32.6	32.6	99.4 99.5	99.5	6.4 6.4	6.4		1.1 1.2	1.1		7.4 7.3	7.4	
				Bottom	9.0	27.7 27.7	27.7	8.6 8.5	8.5	32.6 32.6	32.6	94.5 94.0	94.3	6.1 6.1	6.1		6.1	1.5 1.6		1.5	7.3 7.1	
M5	Cloudy	Moderate	09:23	Surface	1.0	27.9 27.9	27.9	8.4 8.4	8.4	32.5 32.5	32.5	97.2 97.0	97.1	6.3 6.3	6.3	6.2	1.0 1.0	1.0	1.4	7.8 7.6	7.7	8.3
				Middle	6.1	27.8 27.8	27.8	8.4 8.4	8.4	32.5 32.5	32.5	94.7 95.2	95.0	6.1 6.2	6.1		1.4 1.5	1.4		6.4 6.5	6.5	
				Bottom	11.0	27.8 27.8	27.8	8.4 8.4	8.4	32.5 32.5	32.5	91.0 90.8	90.9	5.9 5.9	5.9		5.9	1.7 1.7		1.7	10.4 10.8	
M6	Cloudy	Moderate	09:16	Surface	-	-	-	-	-	-	-	-	-	-	6.4	-	-	2.2	-	-	6.5	
				Middle	2.0	27.9 27.9	27.9	8.4 8.4	8.4	32.4 32.5	32.4	99.2 98.8	99.0	6.4 6.4		6.4	2.2 2.2		2.2	6.4 6.6		6.5
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 12 October 2020 (Mid-Ebb Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.5 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.7 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.9 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.9 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 8.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 9.4 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 12 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
C1	Cloudy	Moderate	17:30	Surface	1.1	28.1 28.2	28.1	8.3 8.3	8.3	32.2 32.2	32.2	100.7 100.2	100.5	6.5 6.5	6.5	6.4	2.7 2.3	2.5	3.1	4.7 4.8	4.8	5.8		
				Middle	9.1	28.0 27.9	27.9	8.3 8.4	8.3	32.4 32.4	32.4	95.9 96.6	96.3	6.2 6.3	6.2		3.2 3.4			3.3			6.0 6.2	6.1
				Bottom	17.1	27.4 27.7	27.6	8.4 8.4	8.4	32.5 32.5	32.5	93.3 92.7	93.0	6.1 6.0	6.0		3.9 3.3			3.6			6.6 6.4	6.5
C2	Cloudy	Moderate	16:28	Surface	1.0	28.5 28.4	28.4	8.5 8.5	8.5	32.2 32.2	32.2	101.1 100.9	101.0	6.5 6.5	6.5	6.5	2.9 3.2	3.1	4.7	4.4 4.6	4.5	6.3		
				Middle	15.9	27.9 27.8	27.8	8.5 8.5	8.5	32.3 32.3	32.3	100.3 100.5	100.4	6.5 6.5	6.5		5.4 5.3			5.4			7.1 7.5	7.6
				Bottom	31.0	27.8 27.8	27.8	8.5 8.5	8.5	32.3 32.3	32.3	98.9 98.7	98.8	6.4 6.4	6.4		5.6 5.4			5.5			7.1 6.7	6.9
G1	Cloudy	Moderate	16:54	Surface	0.9	28.1 28.1	28.1	8.4 8.4	8.4	32.0 32.2	32.1	101.8 101.4	101.6	6.6 6.6	6.6	6.5	1.7 1.8	1.8	1.7	7.4 7.9	7.7	6.3		
				Middle	3.9	28.1 28.1	28.1	8.4 8.4	8.4	32.5 32.4	32.4	99.4 99.8	99.6	6.4 6.5	6.4		1.4 1.7			1.6			4.5 4.5	4.5
				Bottom	7.0	28.0 28.0	28.0	8.4 8.3	8.4	32.6 32.6	32.6	82.7 81.1	81.9	5.4 5.3	5.3		1.7 2.0			1.9			6.4 7.0	6.7
G2	Cloudy	Moderate	16:43	Surface	1.0	28.2 28.0	28.1	8.5 8.5	8.5	32.3 32.3	32.3	98.9 98.9	98.9	6.4 6.4	6.4	6.6	2.3 2.2	2.3	2.3	5.5 5.6	5.6	14.5		
				Middle	5.0	28.1 28.0	28.0	8.5 8.5	8.5	32.4 32.4	32.4	104.7 104.4	104.6	6.8 6.8	6.8		2.2 2.1			2.2			26.5 25.9	26.2
				Bottom	8.9	27.9 27.9	27.9	8.5 8.4	8.4	32.6 32.6	32.6	105.2 105.0	105.1	6.8 6.8	6.8		2.5 2.2			2.4			12.0 11.2	11.6
G3	Cloudy	Moderate	16:59	Surface	1.0	28.4 28.0	28.2	8.4 8.4	8.4	32.2 32.1	32.1	104.2 104.3	104.3	6.8 6.7	6.7	6.5	1.7 2.0	1.9	1.5	4.1 4.3	4.2	5.8		
				Middle	4.0	28.0 28.0	28.0	8.4 8.4	8.4	32.5 32.4	32.5	96.6 97.5	97.1	6.3 6.3	6.3		1.2 1.1			1.1			6.3 6.6	6.5
				Bottom	7.0	27.9 27.9	27.9	8.4 8.4	8.4	32.5 32.5	32.5	96.4 96.2	96.3	6.2 6.2	6.2		1.6 1.5			1.6			6.5 6.9	6.7
G4	Cloudy	Moderate	17:11	Surface	1.0	28.0 28.3	28.2	8.2 8.2	8.2	31.2 31.4	31.3	102.6 102.5	102.6	6.7 6.6	6.6	6.6	2.8 2.4	2.6	2.8	5.9 5.8	5.9	6.3		
				Middle	4.5	28.0 28.0	28.0	8.2 8.2	8.2	32.4 32.3	32.4	102.7 102.8	102.8	6.6 6.6	6.6		2.7 2.8			2.7			4.8 4.6	4.7
				Bottom	7.0	27.9 27.9	27.9	8.2 8.2	8.2	32.5 32.5	32.5	101.7 98.3	100.0	6.6 6.4	6.5		3.0 3.5			3.3			8.1 8.5	8.3
M1	Cloudy	Moderate	16:49	Surface	1.0	28.4 28.0	28.2	8.4 8.4	8.4	31.6 31.7	31.6	98.1 97.6	97.9	6.4 6.3	6.3	6.2	3.0 3.3	3.1	3.2	4.8 4.9	4.9	3.7		
				Middle	3.0	28.2 28.1	28.1	8.4 8.4	8.4	32.1 32.1	32.1	93.7 94.0	93.9	6.1 6.1	6.1		2.9 3.0			2.9			3.2 3.0	3.2
				Bottom	4.9	28.0 28.0	28.0	8.4 8.4	8.4	32.3 32.3	32.3	92.3 91.9	92.1	6.0 6.0	6.0		3.2 3.6			3.4			3.1 3.1	3.1
M2	Cloudy	Moderate	16:39	Surface	0.9	28.2 28.0	28.1	8.6 8.5	8.5	31.9 32.1	32.0	105.2 105.4	105.3	6.8 6.8	6.8	6.8	1.3 1.2	1.3	1.6	3.6 3.6	3.6	6.3		
				Middle	6.0	27.9 28.0	28.0	8.6 8.5	8.5	32.5 32.4	32.5	105.2 105.2	105.2	6.8 6.8	6.8		0.6 0.9			0.8			8.0 7.7	7.9
				Bottom	11.0	27.7 27.6	27.7	8.6 8.5	8.5	32.6 32.7	32.6	97.9 97.7	97.8	6.3 6.3	6.3		2.5 2.9			2.7			7.6 7.5	7.6
M3	Cloudy	Moderate	17:07	Surface	1.0	28.1 28.0	28.0	8.3 8.3	8.3	32.1 32.2	32.2	103.9 103.7	103.8	6.7 6.7	6.7	6.5	3.0 2.8	2.9	2.8	4.8 5.0	4.9	6.7		
				Middle	3.9	28.0 28.0	28.0	8.3 8.3	8.3	32.4 32.3	32.3	97.4 97.9	97.7	6.3 6.3	6.3		2.5 2.6			2.5			7.9 8.2	8.1
				Bottom	7.0	27.9 27.9	27.9	8.3 8.3	8.3	32.5 32.6	32.5	88.1 87.5	87.8	5.7 5.7	5.7		3.0 2.9			3.0			7.0 7.1	7.1
M4	Cloudy	Moderate	16:33	Surface	1.0	28.4 28.1	28.2	8.5 8.5	8.5	31.0 30.9	30.9	104.6 104.6	104.6	6.8 6.8	6.8	6.6	3.8 3.7	3.7	3.8	5.6 5.7	5.7	4.8		
				Middle	4.9	28.0 28.0	28.0	8.5 8.6	8.5	32.6 32.3	32.5	99.6 99.8	99.7	6.4 6.5	6.5		3.4 3.8			3.6			3.9 4.0	4.0
				Bottom	8.9	27.9 28.0	28.0	8.5 8.5	8.5	32.7 32.6	32.6	94.2 94.4	94.3	6.1 6.1	6.1		4.2 3.8			4.0			4.8 4.9	4.9
M5	Cloudy	Moderate	17:24	Surface	1.0	28.3 28.1	28.2	8.3 8.3	8.3	32.5 32.5	32.5	97.4 97.3	97.4	6.3 6.3	6.3	6.2	2.9 2.7	2.8	2.6	5.3 5.5	5.4	6.8		
				Middle	6.1	28.1 28.1	28.1	8.3 8.3	8.3	32.5 32.5	32.5	93.7 94.2	94.0	6.1 6.1	6.1		2.7 2.2			2.4			6.9 6.7	6.8
				Bottom	11.0	28.1 28.1	28.1	8.3 8.3	8.3	32.5 32.5	32.5	91.4 91.2	91.3	5.9 5.9	5.9		2.4 2.6			2.5			8.0 8.3	8.2
M6	Cloudy	Moderate	17:17	Surface	-	-	-	-	-	-	-	-	-	-	6.4	-	-	1.8	-	-	5.5			
				Middle	2.0	28.2 28.0	28.1	8.2 8.2	8.2	32.5 32.5	32.5	98.6 98.4	98.5	6.4 6.4		6.4			8.0 8.0			8.0	5.5 5.5	5.5
				Bottom	-	-	-	-	-	-	-	-	-	-		-			-			-	-	-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 12 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.3 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.7 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 5.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 6.2 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 5.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 6.2 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 7.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 8.5 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 14 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)				pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Moderate	11:31	Surface	1.0	29.1 29.7	29.4	8.5 8.5	8.5	35.0 34.6	34.8	87.1 101.0	94.1	5.5 6.3	5.9	5.8	2.2 2.3	2.3	2.4	15.6 15.2	15.4	12.6		
				Middle	9.0	29.1 29.5	29.3	8.5 8.5	8.5	35.0 34.7	34.9	87.0 93.8	90.4	5.5 5.9	5.7		2.1 2.1	2.1		7.6 7.9	7.8			
				Bottom	17.0	29.2 29.0	29.1	8.5 8.6	8.6	35.0 35.5	35.2	90.5 89.7	90.1	5.7 5.7	5.7		2.9 3.0	2.9		14.5 14.5	14.5			
C2	Cloudy	Moderate	10:08	Surface	1.0	29.4 29.0	29.2	8.2 8.4	8.3	34.5 35.3	34.9	89.0 89.0	89.0	5.6 5.6	5.6	5.6	1.4 1.2	1.3	2.0	10.9 11.1	11.0	8.7		
				Middle	16.0	29.1 29.3	29.2	8.4 8.4	8.4	35.0 34.6	34.8	87.3 88.9	88.1	5.5 5.6	5.6		2.1 2.3	2.2		8.1 8.4	8.3			
				Bottom	31.0	29.1 29.3	29.2	8.4 8.4	8.4	35.1 34.6	34.9	88.5 88.6	88.6	5.6 5.6	5.6		2.6 2.4	2.5		7.0 6.7	6.9			
G1	Cloudy	Moderate	10:44	Surface	1.1	29.3 29.2	29.3	8.5 8.5	8.5	34.5 35.0	34.7	93.2 90.5	91.9	5.9 5.7	5.8	5.8	1.9 1.9	1.9	2.0	6.7 6.9	6.8	9.1		
				Middle	4.1	29.4 29.1	29.2	8.5 8.6	8.5	34.5 35.2	34.8	92.8 90.1	91.5	5.9 5.7	5.8		1.7 1.8	1.8		10.0 10.4	10.2			
				Bottom	7.0	28.8 29.4	29.1	8.4 8.2	8.3	35.7 34.5	35.1	87.2 89.2	88.2	5.5 5.6	5.6		2.3 2.3	2.3		10.4 10.4	10.4			
G2	Cloudy	Moderate	10:25	Surface	1.0	29.1 29.8	29.4	8.5 8.5	8.5	35.2 34.7	35.0	86.4 102.8	94.6	5.5 6.5	6.0	5.9	1.0 1.0	1.0	1.4	7.0 6.7	6.9	8.5		
				Middle	5.1	29.1 29.6	29.3	8.5 8.5	8.5	35.2 34.7	35.0	86.4 101.6	94.0	5.5 6.4	5.9		1.3 1.3	1.3		11.1 11.0	11.1			
				Bottom	9.0	29.5 29.1	29.3	8.5 8.5	8.5	34.7 35.2	34.9	98.2 80.5	89.4	6.2 5.1	5.6		1.8 1.9	1.8		7.5 7.5	7.5			
G3	Cloudy	Moderate	10:52	Surface	1.0	29.0 28.8	28.9	8.4 8.4	8.4	35.4 35.7	35.6	88.6 87.1	87.9	5.6 5.5	5.6	5.6	1.5 1.5	1.5	1.5	8.5 8.2	8.4	10.1		
				Middle	4.0	29.1 29.1	29.1	8.4 8.4	8.4	35.1 35.0	35.0	88.8 86.8	87.8	5.6 5.5	5.6		1.6 1.5	1.5		12.6 12.4	12.5			
				Bottom	7.1	29.3 29.2	29.3	8.4 8.5	8.4	34.8 35.0	34.9	91.4 92.0	91.7	5.8 5.8	5.8		1.5 1.6	1.5		9.5 9.1	9.3			
G4	Cloudy	Moderate	11:06	Surface	1.0	29.9 29.8	29.8	8.5 8.5	8.5	34.7 34.8	34.7	102.6 101.2	101.9	6.4 6.3	6.4	6.1	1.6 1.6	1.6	1.7	4.3 4.2	4.3	6.3		
				Middle	4.1	29.0 29.5	29.3	8.5 8.5	8.5	35.2 34.8	35.0	86.0 97.0	91.5	5.4 6.1	5.8		1.7 1.7	1.7		6.7 6.3	6.5			
				Bottom	7.0	29.8 29.3	29.5	8.5 8.5	8.5	34.7 34.8	34.8	103.1 95.1	99.1	6.5 6.0	6.2		2.0 2.0	2.0		8.2 7.9	8.1			
M1	Cloudy	Moderate	10:32	Surface	1.0	29.8 29.7	29.8	8.5 8.5	8.5	34.7 34.7	34.7	104.4 105.5	105.0	6.5 6.6	6.6	6.6	1.4 1.5	1.4	1.9	10.4 10.6	10.4	10.0		
				Middle	3.0	29.9 29.9	29.9	8.5 8.5	8.5	34.6 34.6	34.6	105.8 105.8	105.8	6.6 6.6	6.6		1.5 1.4	1.4		9.4 9.5	9.6			
				Bottom	5.0	29.7 29.4	29.5	8.5 8.5	8.5	34.6 34.8	34.7	100.7 91.6	96.2	6.3 5.8	6.1		2.8 3.0	2.9		9.9 9.9	9.9			
M2	Cloudy	Moderate	10:19	Surface	1.1	30.1 29.9	30.0	8.5 8.5	8.5	34.7 34.7	34.7	107.2 102.5	104.9	6.7 6.4	6.6	6.5	1.6 1.6	1.6	2.0	9.3 9.3	9.3	7.1		
				Middle	6.1	29.8 29.7	29.7	8.5 8.5	8.5	34.7 34.7	34.7	101.0 103.3	102.2	6.3 6.5	6.4		1.6 1.5	1.6		5.5 5.6	5.6			
				Bottom	11.0	29.4 29.8	29.6	8.5 8.5	8.5	35.0 34.7	34.8	90.0 103.1	96.6	5.7 6.5	6.1		2.9 3.0	3.0		6.4 6.5	6.5			
M3	Cloudy	Moderate	11:00	Surface	1.0	29.5 29.3	29.4	8.5 8.5	8.5	34.7 34.9	34.8	97.7 94.9	96.3	6.2 6.0	6.1	6.0	1.5 1.6	1.6	1.7	6.7 6.5	6.6	9.0		
				Middle	4.1	29.5 29.1	29.3	8.5 8.5	8.5	34.7 35.1	34.9	97.6 90.5	94.1	6.1 5.7	5.9		1.6 1.6	1.6		10.3 10.6	10.5			
				Bottom	7.0	29.8 30.1	29.9	8.5 8.5	8.5	34.7 34.7	34.7	101.8 107.1	104.5	6.4 6.7	6.5		1.9 1.9	1.9		9.7 9.9	9.8			
M4	Cloudy	Moderate	10:14	Surface	1.0	29.1 29.3	29.2	8.5 8.4	8.4	35.1 34.7	34.9	89.2 90.4	89.8	5.7 5.7	5.7	5.7	1.6 1.6	1.6	1.7	10.8 10.8	10.8	8.9		
				Middle	5.1	29.1 29.2	29.1	8.5 8.5	8.5	35.2 35.0	35.1	88.5 91.8	90.2	5.6 5.8	5.7		1.5 1.5	1.5		6.9 6.7	6.8			
				Bottom	9.0	29.2 29.1	29.2	8.5 8.5	8.5	34.9 35.1	35.0	94.3 90.5	92.4	6.0 5.7	5.8		1.8 1.8	1.8		8.9 9.1	9.0			
M5	Cloudy	Moderate	11:21	Surface	1.1	29.0 29.9	29.5	8.5 8.5	8.5	35.2 34.5	34.8	83.7 109.4	96.6	5.3 6.9	6.1	6.1	2.0 1.9	1.9	1.7	10.6 10.7	10.7	9.1		
				Middle	6.1	29.8 29.2	29.5	8.5 8.5	8.5	34.6 35.0	34.8	104.8 91.6	98.2	6.6 5.8	6.2		1.4 1.3	1.3		8.0 7.9	8.0			
				Bottom	11.1	29.6 29.2	29.4	8.5 8.5	8.5	34.7 35.0	34.8	104.9 91.6	98.3	6.6 5.8	6.2		1.9 2.0	2.0		8.8 8.7	8.8			
M6	Cloudy	Moderate	11:12	Surface	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	2.3	-	-	8.3		
				Middle	2.0	29.9 29.3	29.6	8.5 8.5	8.5	34.4 34.9	34.6	109.3 93.7	101.5	6.9 5.9	6.4		2.2 2.3	2.3		8.3 8.2	8.3			
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 14 October 2020 (Mid-Ebb Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 3.0 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 3.2 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 13.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 14.3 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 13.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 14.3 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 8.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 8.9 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 14 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
C1	Cloudy	Moderate	17:34	Surface	1.0	21.1 21.0	21.1	8.5 8.5	8.5	34.6 34.8	34.7	101.5 93.5	97.5	6.4 5.9	6.1	6.0	1.9 1.9	1.9	2.1	11.2 11.0	11.1	9.0		
				Middle	9.0	20.9 21.3	21.1	8.5 8.5	8.5	35.0 34.5	34.8	90.5 92.6	91.6	5.7 5.9	5.8		2.0 2.0			2.0			6.7 6.6	6.7
				Bottom	17.0	20.9 20.9	20.9	8.6 8.5	8.5	35.4 34.5	34.9	89.8 92.4	91.1	5.7 5.8	5.8		2.5 2.7			2.6			9.3 9.3	9.3
C2	Cloudy	Moderate	15:48	Surface	1.1	21.6 20.9	21.2	8.4 8.2	8.3	35.7 34.5	35.1	87.0 89.0	88.0	5.5 5.6	5.6	5.6	1.3 1.3	1.3	1.5	7.2 7.4	7.3	8.0		
				Middle	16.0	20.9 20.9	20.9	8.4 8.4	8.4	35.7 35.3	35.5	87.0 88.9	88.0	5.5 5.6	5.6		1.2 1.2			1.2			9.9 9.8	9.9
				Bottom	31.1	20.9 20.9	20.9	8.4 8.4	8.4	35.0 35.1	35.1	87.0 88.6	87.8	5.5 5.6	5.6		2.2 2.2			2.2			6.9 6.8	6.9
G1	Cloudy	Moderate	16:28	Surface	1.1	21.1 20.9	21.0	8.5 8.5	8.5	34.8 35.0	34.9	91.8 87.4	89.6	5.8 5.5	5.7	5.7	2.0 2.2	2.1	1.8	7.8 7.6	7.7	11.1		
				Middle	4.1	20.9 20.8	20.9	8.6 8.5	8.5	35.3 35.0	35.1	90.0 90.5	90.3	5.7 5.7	5.7		1.4 1.4			1.4			11.7 12.1	11.9
				Bottom	7.0	20.8 20.8	20.8	8.2 8.4	8.3	34.5 35.4	35.0	89.4 88.5	89.0	5.7 5.6	5.6		1.9 1.9			1.9			13.6 13.7	13.7
G2	Cloudy	Moderate	16:07	Surface	1.0	21.4 20.9	21.2	8.5 8.5	8.5	34.7 34.8	34.7	102.9 98.7	100.8	6.5 6.2	6.3	6.4	1.4 1.5	1.4	1.7	9.9 10.0	10.0	8.2		
				Middle	5.0	20.9 20.9	20.9	8.5 8.5	8.5	34.7 34.4	34.6	99.9 108.8	104.4	6.3 6.8	6.6		1.5 1.6			1.6			7.6 7.6	7.6
				Bottom	9.1	20.8 20.9	20.9	8.5 8.5	8.5	35.2 34.4	34.8	80.4 88.9	84.7	5.1 5.6	5.4		2.2 2.2			2.2			7.0 7.1	7.1
G3	Cloudy	Moderate	16:34	Surface	1.0	21.7 20.9	21.3	8.4 8.4	8.4	34.6 35.0	34.8	88.0 86.8	87.4	5.6 5.5	5.5	5.6	1.2 1.3	1.2	1.5	8.5 8.7	8.6	9.4		
				Middle	4.0	20.9 20.9	20.9	8.4 8.4	8.4	34.6 35.1	34.8	87.9 88.7	88.3	5.6 5.6	5.6		1.3 1.3			1.3			10.4 10.3	10.4
				Bottom	7.1	20.7 20.8	20.8	8.5 8.4	8.4	35.1 34.7	34.9	91.7 91.0	91.4	5.8 5.7	5.8		2.1 2.0			2.1			9.3 9.1	9.2
G4	Cloudy	Moderate	16:50	Surface	1.0	22.0 21.0	21.5	8.5 8.5	8.5	34.7 34.8	34.8	103.0 97.3	100.2	6.5 6.1	6.3	6.1	1.6 1.6	1.6	1.8	10.4 10.3	10.4	9.5		
				Middle	4.0	21.0 21.0	21.0	8.5 8.5	8.5	34.7 35.3	35.0	103.0 86.1	94.6	6.5 5.5	6.0		1.5 1.6			1.5			6.3 6.3	6.3
				Bottom	7.0	20.9 20.9	20.9	8.5 8.5	8.5	35.1 34.7	34.9	87.8 103.0	95.4	5.6 6.5	6.0		2.2 2.3			2.2			12.0 11.7	11.9
M1	Cloudy	Moderate	16:13	Surface	1.1	21.9 21.1	21.5	8.5 8.5	8.5	34.9 34.7	34.8	95.5 104.3	99.9	6.0 6.5	6.3	6.3	2.0 1.9	2.0	2.1	7.7 7.8	7.8	8.0		
				Middle	3.1	20.9 21.0	20.9	8.5 8.5	8.5	34.9 34.7	34.8	94.9 105.0	100.0	6.0 6.6	6.3		2.0 2.1			2.0			5.2 5.2	5.2
				Bottom	5.1	20.8 20.8	20.8	8.5 8.5	8.5	35.0 34.6	34.8	87.5 100.5	94.0	5.5 6.3	5.9		2.3 2.3			2.3			10.9 11.1	11.0
M2	Cloudy	Moderate	16:00	Surface	1.0	21.8 20.9	21.4	8.5 8.5	8.5	34.8 34.7	34.7	100.4 107.2	103.8	6.3 6.7	6.5	6.4	1.0 1.0	1.0	1.5	6.7 6.6	6.7	10.6		
				Middle	6.0	20.8 20.9	20.8	8.5 8.5	8.5	34.8 34.7	34.7	99.7 102.5	101.1	6.3 6.4	6.3		1.5 1.5			1.5			12.4 12.4	12.4
				Bottom	11.0	20.8 20.8	20.8	8.5 8.5	8.5	34.7 35.2	35.0	100.5 88.2	94.4	6.3 5.6	5.9		2.0 2.0			2.0			12.8 12.7	12.8
M3	Cloudy	Moderate	16:42	Surface	1.0	22.0 21.0	21.5	8.5 8.5	8.5	35.0 35.1	35.0	92.1 92.0	92.1	5.8 5.8	5.8	5.9	1.6 1.6	1.6	1.7	9.1 8.8	9.0	9.1		
				Middle	4.1	20.9 20.9	20.9	8.5 8.5	8.5	35.1 34.9	35.0	90.4 95.8	93.1	5.7 6.0	5.9		1.3 1.3			1.3			12.6 12.7	12.7
				Bottom	7.1	20.7 20.8	20.7	8.5 8.5	8.5	34.7 34.7	34.7	106.8 102.7	104.8	6.7 6.4	6.6		2.1 2.1			2.1			5.7 5.6	5.7
M4	Cloudy	Moderate	15:54	Surface	1.0	21.7 21.0	21.3	8.4 8.5	8.4	34.7 35.0	34.8	90.6 91.9	91.3	5.7 5.8	5.8	5.9	1.6 1.7	1.6	1.9	10.0 10.1	10.1	8.7		
				Middle	5.0	20.9 20.9	20.9	8.5 8.5	8.5	35.0 34.7	34.8	93.9 98.6	96.3	5.9 6.2	6.1		1.9 2.0			1.9			6.7 6.4	6.6
				Bottom	9.0	20.8 20.9	20.8	8.5 8.5	8.5	35.1 34.7	34.9	91.8 98.0	94.9	5.8 6.2	6.0		2.1 2.1			2.1			9.5 9.6	9.6
M5	Cloudy	Moderate	17:24	Surface	1.0	21.0 21.0	21.0	8.5 8.5	8.5	34.9 35.2	35.0	93.4 84.0	88.7	5.9 5.3	5.6	6.1	1.2 1.1	1.2	1.9	10.5 10.8	10.7	10.7		
				Middle	6.1	20.9 21.0	20.9	8.5 8.5	8.5	34.7 34.6	34.7	104.9 105.0	105.0	6.6 6.6	6.6		1.9 2.0			2.0			11.5 11.3	11.4
				Bottom	11.1	20.9 20.9	20.9	8.5 8.5	8.5	34.6 34.6	34.6	105.6 105.5	105.6	6.6 6.6	6.6		2.5 2.5			2.5			9.9 9.9	9.9
M6	Cloudy	Moderate	17:05	Surface	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	2.2	-	-	14.2		
				Middle	2.0	21.8 21.0	21.4	8.5 8.5	8.5	34.8 35.1	35.0	95.7 87.6	91.7	6.0 5.5	5.8		8.0 8.0			8.0			14.5 13.9	14.2
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-			-			-	-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 14 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.1 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.3 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 13.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 14.4 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 13.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 14.4 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 11.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 12.1 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 16 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)				pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
C1	Sunny	Moderate	18:22	Surface	1.0	21.1	21.1	9.6	9.6	34.0	34.0	98.4	98.4	6.5	6.5	6.5	4.9	5.0	5.0	8.2	8.3	9.3		
				Middle	9.1	20.9	21.1	9.7	9.7	34.0	34.0	98.2	98.2	6.5	6.5		5.1	5.8		5.8	6.7		7.0	
				Bottom	17.1	20.9	21.0	9.7	9.7	33.9	33.9	99.0	99.0	6.5	6.5		4.2	4.2		4.2	12.5		12.8	
C2	Sunny	Moderate	16:43	Surface	1.0	21.2	21.1	9.7	9.7	33.9	33.9	98.9	98.9	6.5	6.5	6.5	4.2	4.2	4.9	9.4	9.3	8.4		
				Middle	16.5	20.9	20.9	9.7	9.7	34.0	34.0	98.4	98.5	6.5	6.5		5.0	4.9		4.9	10.2		9.8	
				Bottom	32.1	20.9	20.9	9.7	9.7	34.0	34.0	98.3	98.3	6.5	6.5		5.7	5.6		5.6	6.1		5.9	
G1	Sunny	Moderate	17:21	Surface	1.1	21.9	21.4	9.6	9.6	34.0	34.0	97.9	97.9	6.5	6.5	6.4	6.8	6.8	5.8	10.4	11.0	9.8		
				Middle	4.0	20.9	20.9	9.6	9.6	34.0	34.0	97.7	97.6	6.4	6.4		6.4	6.2		6.3	9.6		9.3	
				Bottom	7.1	20.8	20.8	9.7	9.7	33.9	33.9	100.0	99.4	6.6	6.5		4.4	4.4		4.4	9.1		9.6	
G2	Sunny	Moderate	17:01	Surface	1.0	21.2	21.1	9.7	9.7	34.1	34.1	99.1	99.1	6.5	6.5	6.5	6.6	6.6	6.6	8.6	8.7	8.9		
				Middle	5.0	20.9	20.9	9.7	9.7	34.1	34.1	98.5	98.5	6.5	6.5		7.0	7.0		7.0	8.8		10.0	
				Bottom	9.1	20.8	20.8	9.7	9.7	34.0	34.0	98.9	98.9	6.5	6.5		6.0	6.0		6.0	10.1		8.0	
G3	Sunny	Moderate	17:28	Surface	1.1	21.9	21.4	9.6	9.6	33.9	33.9	97.6	97.6	6.4	6.4	6.5	5.0	5.0	4.8	10.1	10.1	8.7		
				Middle	4.1	20.9	20.9	9.6	9.6	34.1	34.1	98.0	97.9	6.5	6.5		5.0	5.0		5.0	9.3		9.2	
				Bottom	7.1	20.7	20.8	9.6	9.6	33.9	33.9	98.1	98.1	6.5	6.5		4.3	4.3		4.3	6.8		7.0	
G4	Sunny	Moderate	17:40	Surface	1.1	21.1	21.1	9.7	9.7	33.9	33.9	98.0	98.0	6.5	6.5	6.5	4.6	4.5	4.4	11.2	11.4	9.4		
				Middle	4.0	21.0	21.0	9.7	9.7	34.0	34.0	97.8	97.9	6.5	6.5		4.8	4.7		4.7	8.8		9.0	
				Bottom	7.0	20.9	20.9	9.7	9.7	33.9	33.9	98.9	98.9	6.5	6.5		3.8	3.8		3.8	7.7		7.9	
M1	Sunny	Moderate	17:09	Surface	1.1	21.2	21.1	9.7	9.7	34.0	34.0	98.5	98.5	6.5	6.5	6.5	6.3	6.3	6.2	7.6	7.5	8.1		
				Middle	3.1	20.8	20.9	9.7	9.7	34.1	34.1	98.3	98.3	6.5	6.5		6.9	6.9		6.9	7.5		7.5	
				Bottom	5.1	20.8	20.8	9.6	9.6	33.8	33.8	99.1	99.0	6.5	6.5		5.3	5.3		5.3	9.2		9.4	
M2	Sunny	Moderate	16:55	Surface	1.1	21.1	21.0	9.7	9.7	33.9	33.9	98.4	98.4	6.5	6.5	6.5	4.5	4.5	5.2	12.2	12.2	9.3		
				Middle	5.5	20.8	20.8	9.7	9.7	34.0	34.0	98.0	98.0	6.5	6.5		5.2	5.2		5.2	8.8		8.8	
				Bottom	10.0	20.8	20.8	9.7	9.7	34.0	34.0	100.3	100.1	6.6	6.6		5.8	5.8		5.8	6.8		6.8	
M3	Sunny	Moderate	17:34	Surface	1.0	21.3	21.1	9.6	9.6	33.9	33.9	97.7	97.7	6.4	6.4	6.4	4.7	4.8	4.6	8.0	8.1	9.3		
				Middle	4.1	20.9	20.9	9.7	9.7	34.0	34.0	97.9	97.7	6.5	6.5		5.0	5.1		5.1	8.3		8.5	
				Bottom	7.1	20.7	20.7	9.7	9.7	33.9	33.9	98.6	98.6	6.5	6.5		4.1	4.1		4.1	11.2		11.4	
M4	Sunny	Moderate	16:50	Surface	1.0	22.0	21.5	9.7	9.7	33.9	33.9	98.9	99.0	6.5	6.5	6.5	4.2	4.2	4.7	11.1	11.1	9.6		
				Middle	5.1	20.9	20.9	9.7	9.7	34.0	34.0	98.4	98.4	6.5	6.5		4.7	4.7		4.7	7.1		7.3	
				Bottom	9.0	20.8	20.8	9.7	9.7	34.0	34.0	98.2	98.1	6.5	6.5		5.1	5.0		5.1	10.5		10.5	
M5	Sunny	Moderate	18:12	Surface	1.0	21.0	21.0	9.7	9.7	34.0	34.0	97.6	97.6	6.4	6.4	6.5	5.2	5.2	4.6	8.3	8.4	10.9		
				Middle	6.0	20.9	21.1	9.7	9.7	33.9	33.9	99.0	99.1	6.5	6.5		4.0	4.0		4.0	12.6		12.8	
				Bottom	11.1	20.9	20.9	9.5	9.5	33.9	33.9	99.1	99.1	6.5	6.5		4.5	4.5		4.5	11.8		11.7	
M6	Sunny	Moderate	17:54	Surface	-	-	-	-	-	-	-	-	-	-	6.5	-	-	4.4	-	-	7.1			
				Middle	2.2	21.6	21.3	9.7	9.7	33.9	33.9	98.2	98.2	6.5		6.5	4.3		4.4	4.4		7.0	7.1	
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-	-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 16 October 2020 (Mid-Ebb Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b>Stations G1-G4, M1-M5</b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b>Station M6</b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b>Stations G1-G4, M1-M5</b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 6.8 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 7.3 NTU</u>
	<b>Station M6</b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b>Stations G1-G4</b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.0 mg/L</u>
	<b>Stations M1-M5</b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.0 mg/L</u>
	<b>Stations G1-G4, M1-M5</b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 7.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 7.8 mg/L</u>
	<b>Station M6</b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 16 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Moderate	13:09	Surface	1.0	26.9 26.9	26.9	9.6 9.6	9.6	34.0 34.0	34.0	98.3 98.3	98.3	6.5 6.5	6.5	6.5	5.2 5.3	5.3	5.1	11.1 11.3	11.2	12.1
				Middle	8.5	26.9 26.9	26.9	9.7 9.6	9.6	34.0 34.0	34.0	98.2 98.2	98.2	6.5 6.5	6.5		5.9 5.9	5.9		13.5 13.7	13.6	
				Bottom	16.1	27.0 27.0	27.0	9.7 9.7	9.7	33.9 33.9	33.9	99.0 99.0	99.0	6.5 6.5	6.5		4.2 4.2	4.2		11.3 11.7	11.5	
C2	Sunny	Moderate	11:36	Surface	1.1	27.0 27.0	27.0	9.7 9.7	9.7	33.9 33.9	33.9	98.9 98.9	98.9	6.5 6.5	6.5	6.5	4.3 4.2	4.3	5.0	9.3 9.2	9.3	8.4
				Middle	16.1	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	98.4 98.4	98.4	6.5 6.5	6.5		5.0 5.0	5.0		8.0 8.0	8.0	
				Bottom	31.0	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	98.3 98.3	98.3	6.5 6.5	6.5		5.7 5.8	5.8		8.0 8.0	8.0	
G1	Sunny	Moderate	12:15	Surface	1.0	27.0 27.0	27.0	9.6 9.6	9.6	34.0 34.0	34.0	97.9 97.9	97.9	6.5 6.5	6.5	6.4	6.7 6.5	6.6	5.7	13.5 13.9	13.7	10.0
				Middle	3.7	26.9 27.0	27.0	9.6 9.6	9.6	34.0 34.0	34.0	97.7 97.7	97.7	6.4 6.4	6.4		6.1 5.8	6.0		8.5 8.7	8.6	
				Bottom	6.5	27.1 27.1	27.1	9.6 9.6	9.6	33.9 33.9	33.9	98.5 98.3	98.4	6.5 6.5	6.5		4.4 4.4	4.4		7.7 7.6	7.7	
G2	Sunny	Moderate	11:55	Surface	1.0	26.9 26.9	26.9	9.7 9.7	9.7	34.1 34.1	34.1	98.9 98.9	98.9	6.5 6.5	6.5	6.5	6.7 6.8	6.7	6.6	8.4 8.5	8.5	6.8
				Middle	5.0	26.9 26.9	26.9	9.7 9.7	9.7	34.1 34.1	34.1	98.5 98.6	98.6	6.5 6.5	6.5		7.1 7.2	7.2		5.9 5.7	5.8	
				Bottom	9.1	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	98.9 98.9	98.9	6.5 6.5	6.5		5.8 5.9	5.8		6.2 6.2	6.2	
G3	Sunny	Moderate	12:21	Surface	1.1	27.0 27.0	27.0	9.6 9.6	9.6	33.9 33.9	33.9	97.7 97.7	97.7	6.4 6.4	6.4	6.5	4.9 4.9	4.9	4.7	9.7 9.6	9.7	15.2
				Middle	3.8	26.8 26.8	26.8	9.6 9.6	9.6	34.1 34.1	34.1	98.1 98.1	98.1	6.5 6.5	6.5		5.1 5.0	5.1		9.8 10.1	10.0	
				Bottom	6.6	27.1 27.1	27.1	9.6 9.6	9.6	33.9 33.9	33.9	98.2 98.2	98.2	6.5 6.5	6.5		4.2 4.2	4.2		25.8 26.0	25.9	
G4	Sunny	Moderate	12:36	Surface	1.0	27.0 27.0	27.0	9.7 9.7	9.7	33.9 33.9	33.9	98.2 98.1	98.2	6.5 6.5	6.5	6.5	4.4 4.5	4.5	4.4	15.2 15.3	15.3	10.9
				Middle	3.8	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	97.8 97.7	97.8	6.5 6.5	6.5		5.1 5.0	5.0		8.5 8.8	8.7	
				Bottom	6.6	27.1 27.1	27.1	9.7 9.7	9.7	33.9 33.9	33.9	98.9 98.9	98.9	6.5 6.5	6.5		3.8 3.8	3.8		8.8 8.9	8.9	
M1	Sunny	Moderate	12:02	Surface	1.1	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	98.5 98.5	98.5	6.5 6.5	6.5	6.5	6.3 6.3	6.3	6.1	6.8 6.9	6.9	7.8
				Middle	3.0	26.9 26.9	26.9	9.7 9.7	9.7	34.1 34.1	34.1	98.3 98.3	98.3	6.5 6.5	6.5		6.7 6.7	6.7		8.8 9.0	8.9	
				Bottom	5.1	27.1 27.1	27.1	9.6 9.6	9.6	33.8 33.8	33.8	100.4 99.6	100.0	6.6 6.6	6.6		5.1 5.2	5.2		7.6 7.4	7.5	
M2	Sunny	Moderate	11:50	Surface	1.1	27.0 27.0	27.0	9.7 9.7	9.7	33.9 33.9	33.9	98.4 98.4	98.4	6.5 6.5	6.5	6.5	4.5 4.5	4.5	5.2	7.0 7.1	7.1	8.5
				Middle	5.2	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	98.0 98.0	98.0	6.5 6.5	6.5		5.4 5.3	5.3		10.4 10.4	10.4	
				Bottom	9.5	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	101.1 100.8	101.0	6.7 6.7	6.7		5.7 5.7	5.7		8.3 8.0	8.2	
M3	Sunny	Moderate	12:29	Surface	1.0	27.0 27.0	27.0	9.7 9.7	9.7	33.9 33.9	33.9	97.7 97.7	97.7	6.4 6.4	6.4	6.4	4.9 4.9	4.9	4.7	36.3 36.4	36.4	19.0
				Middle	3.8	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	97.6 97.6	97.6	6.4 6.4	6.4		5.1 5.1	5.1		12.4 12.4	12.4	
				Bottom	6.5	27.1 27.1	27.1	9.7 9.7	9.7	33.9 33.9	33.9	98.6 98.6	98.6	6.5 6.5	6.5		4.0 4.0	4.0		8.2 8.4	8.3	
M4	Sunny	Moderate	11:44	Surface	1.1	27.0 27.0	27.0	9.7 9.7	9.7	33.9 33.9	33.9	98.9 98.9	98.9	6.5 6.5	6.5	6.5	4.2 4.4	4.3	4.7	11.0 10.8	10.9	14.8
				Middle	5.1	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	98.4 98.4	98.4	6.5 6.5	6.5		4.8 5.0	4.9		25.2 25.0	25.1	
				Bottom	9.1	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	98.1 98.1	98.1	6.5 6.5	6.5		5.0 5.0	5.0		8.4 8.4	8.4	
M5	Sunny	Moderate	12:57	Surface	1.1	26.9 26.9	26.9	9.7 9.7	9.7	34.0 34.0	34.0	97.7 97.6	97.7	6.5 6.4	6.4	6.5	5.1 5.2	5.1	4.5	7.3 7.1	7.2	13.3
				Middle	5.6	27.1 27.1	27.1	9.7 9.7	9.7	33.9 33.9	33.9	99.0 99.0	99.0	6.5 6.5	6.5		3.9 3.9	3.9		7.9 8.0	8.0	
				Bottom	10.1	27.0 27.0	27.0	9.3 9.3	9.3	33.9 33.9	33.9	99.8 99.7	99.8	6.6 6.6	6.6		4.6 4.5	4.6		24.8 24.5	24.7	
M6	Sunny	Moderate	12:45	Surface	-	-	-	-	-	-	-	-	-	-	6.5	-	-	4.3	-	-	11.1	
				Middle	2.1	27.1 27.1	27.1	9.7 9.7	9.7	33.9 33.9	33.9	98.3 98.4	98.4	6.5 6.5		6.5	8.0 8.0		8.0	11.0 11.1		11.1
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 16 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b>Stations G1-G4, M1-M5</b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b>Station M6</b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b>Stations G1-G4, M1-M5</b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 5.0 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 5.4 NTU</u>
	<b>Station M6</b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b>Stations G1-G4</b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 13.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 14.6 mg/L</u>
	<b>Stations M1-M5</b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 13.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 14.6 mg/L</u>
	<b>Stations G1-G4, M1-M5</b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 13.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 15.0 mg/L</u>
	<b>Station M6</b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 19 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)				pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
C1	Sunny	Calm	15:51	Surface	1.1	21.1	21.1	9.7	9.7	34.3	34.3	102.5	102.3	6.8	6.8	6.7	3.5	3.5	3.6	5.5	5.6	6.4		
				Middle	9.1	20.9	21.2	9.7	9.7	34.3	34.3	99.1	99.1	6.6	6.6		3.8	3.8		6.9	7.0			
				Bottom	17.1	20.9	20.9	9.6	9.6	34.3	34.3	98.8	98.8	6.6	6.6		3.6	3.6		6.8	6.8			
C2	Sunny	Calm	14:06	Surface	1.0	21.7	21.3	9.6	9.6	34.4	34.4	99.3	99.3	6.6	6.6	6.6	3.5	3.5	4.1	7.5	7.6	6.9		
				Middle	16.6	20.9	20.9	9.6	9.6	34.4	34.4	98.6	98.7	6.6	6.6		3.6	3.6		7.0	7.0			
				Bottom	32.1	20.9	20.9	9.7	9.7	34.5	34.5	98.3	98.3	6.5	6.5		5.4	5.3		6.2	6.1			
G1	Sunny	Calm	14:46	Surface	1.1	21.8	21.3	9.7	9.7	34.2	34.2	99.3	99.3	6.6	6.6	6.5	3.3	3.3	3.3	6.7	6.8	7.2		
				Middle	4.0	20.9	20.9	9.7	9.7	34.2	34.2	97.3	97.3	6.5	6.5		3.2	3.3		7.1	7.0			
				Bottom	7.1	20.8	20.8	9.7	9.7	34.3	34.3	96.6	96.5	6.4	6.4		3.4	3.4		7.9	7.9			
G2	Sunny	Calm	14:26	Surface	1.1	21.7	21.3	9.8	9.8	34.3	34.3	97.5	97.6	6.5	6.5	6.5	3.3	3.2	4.0	7.8	8.1	9.1		
				Middle	5.1	20.9	20.9	9.8	9.8	34.3	34.3	96.6	96.9	6.4	6.4		4.2	4.1		8.3	8.0			
				Bottom	9.0	20.8	20.8	9.8	9.8	34.4	34.4	96.5	96.6	6.4	6.4		4.8	4.8		11.2	11.3			
G3	Sunny	Calm	14:54	Surface	1.0	21.9	21.4	9.7	9.7	34.2	34.2	98.7	98.7	6.5	6.5	6.5	3.1	3.1	3.2	8.0	8.2	8.8		
				Middle	4.0	20.9	20.9	9.7	9.7	34.2	34.2	98.2	98.4	6.5	6.5		3.2	3.2		11.0	10.9			
				Bottom	7.1	20.7	20.8	9.7	9.7	34.3	34.3	96.3	96.1	6.4	6.4		3.3	3.3		7.4	7.4			
G4	Sunny	Calm	15:09	Surface	1.1	21.3	21.2	9.8	9.8	34.2	34.2	98.4	98.5	6.5	6.5	6.5	3.1	3.1	3.2	5.6	5.7	8.2		
				Middle	4.1	21.0	21.0	9.8	9.8	34.2	34.2	97.6	98.0	6.5	6.5		3.3	3.2		9.9	10.1			
				Bottom	7.0	20.9	20.9	9.8	9.8	34.3	34.3	96.0	95.9	6.4	6.4		3.4	3.4		8.8	8.9			
M1	Sunny	Calm	14:32	Surface	1.1	21.5	21.3	9.7	9.7	34.2	34.2	98.7	98.7	6.6	6.6	6.5	2.7	2.7	2.7	7.3	7.4	7.4		
				Middle	3.0	20.8	20.9	9.7	9.7	34.2	34.2	98.4	98.5	6.5	6.5		2.7	2.7		6.2	6.2			
				Bottom	5.1	20.8	20.8	9.7	9.7	34.2	34.2	97.4	97.2	6.5	6.5		2.7	2.6		8.4	8.5			
M2	Sunny	Calm	14:18	Surface	1.1	21.0	21.0	9.7	9.7	34.3	34.3	97.9	97.9	6.5	6.5	6.5	3.2	3.2	4.3	7.9	7.9	8.4		
				Middle	5.5	20.8	20.9	9.7	9.7	34.3	34.3	96.7	96.9	6.4	6.4		4.7	4.5		9.5	9.5			
				Bottom	10.0	20.8	20.8	9.7	9.7	34.4	34.4	96.7	96.7	6.4	6.4		5.2	5.2		7.6	7.7			
M3	Sunny	Calm	15:02	Surface	1.1	21.8	21.4	9.8	9.8	34.2	34.2	98.2	98.3	6.5	6.5	6.5	3.1	3.1	3.2	5.5	5.5	7.2		
				Middle	4.0	20.9	20.9	9.8	9.8	34.3	34.3	97.0	97.1	6.4	6.4		3.2	3.2		6.6	6.5			
				Bottom	7.1	20.7	20.7	9.8	9.8	34.3	34.3	96.1	96.0	6.4	6.4		3.4	3.4		9.6	9.6			
M4	Sunny	Calm	14:12	Surface	1.0	21.1	21.0	9.7	9.7	34.3	34.3	99.5	99.4	6.6	6.6	6.5	3.1	3.1	4.4	6.5	6.6	8.5		
				Middle	5.0	20.9	20.9	9.7	9.7	34.3	34.3	97.0	97.2	6.5	6.5		5.1	4.8		6.9	7.0			
				Bottom	9.1	20.8	20.8	9.7	9.7	34.3	34.3	96.3	96.3	6.4	6.4		5.1	5.1		11.9	12.0			
M5	Sunny	Calm	15:40	Surface	1.0	21.0	21.0	9.7	9.7	34.2	34.2	102.7	102.5	6.8	6.8	6.7	3.9	3.8	5.2	7.3	7.2	6.9		
				Middle	6.0	20.9	21.1	9.6	9.6	34.4	34.3	97.7	98.2	6.5	6.5		6.4	6.2		5.6	5.6			
				Bottom	11.1	20.9	20.9	9.6	9.6	34.4	34.4	96.7	96.7	6.4	6.4		5.5	5.4		7.6	7.8			
M6	Sunny	Calm	15:22	Surface	-	-	-	-	-	-	-	-	-	-	6.5	-	-	3.2	-	-	5.9			
				Middle	2.2	21.7	21.0	9.8	9.8	34.2	34.2	98.8	98.0	6.6		6.5	3.2		3.2	5.8		6.0		
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-	

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 19 October 2020 (Mid-Ebb Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 6.4 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 6.9 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 9.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 9.8 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 9.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 9.8 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 7.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 7.9 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 19 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	09:38	Surface	1.1	26.5 26.5	26.5	9.7 9.7	9.7	34.3 34.3	34.3	101.7 100.9	101.3	6.8 6.7	6.7	6.7	3.6 3.6	3.6	3.6	25.9 25.4	25.7	13.6
				Middle	8.5	26.4 26.4	26.4	9.7 9.7	9.7	34.3 34.3	34.3	99.3 99.5	99.4	6.6 6.6	6.6		3.8 3.7	3.8		7.7 7.6	7.7	
				Bottom	16.0	26.4 26.4	26.4	9.6 9.6	9.6	34.3 34.3	34.3	98.6 98.6	98.6	6.6 6.6	6.6		3.5 3.4	3.5		7.4 7.4	7.4	
C2	Sunny	Calm	08:10	Surface	1.0	26.5 26.5	26.5	9.5 9.5	9.5	34.4 34.4	34.4	99.4 99.4	99.4	6.6 6.6	6.6	6.6	3.5 3.5	3.5	4.2	10.8 11.0	10.9	9.6
				Middle	16.1	26.3 26.3	26.3	9.7 9.7	9.7	34.4 34.4	34.4	98.6 98.6	98.6	6.6 6.6	6.6		3.6 3.6	3.6		9.6 9.9	9.8	
				Bottom	31.0	26.2 26.2	26.2	9.7 9.7	9.7	34.5 34.5	34.5	98.3 98.3	98.3	6.5 6.5	6.5		5.6 5.5	5.6		7.9 8.2	8.1	
G1	Sunny	Calm	08:46	Surface	1.0	26.6 26.6	26.6	9.7 9.7	9.7	34.2 34.2	34.2	99.2 99.2	99.2	6.6 6.6	6.6	6.5	3.2 3.2	3.2	3.2	6.0 6.1	6.1	7.7
				Middle	3.7	26.4 26.4	26.4	9.7 9.7	9.7	34.2 34.2	34.2	97.4 97.5	97.5	6.5 6.5	6.5		3.3 3.2	3.2		8.0 8.2	8.1	
				Bottom	6.6	26.4 26.4	26.4	9.7 9.7	9.7	34.3 34.3	34.3	96.3 96.3	96.3	6.4 6.4	6.4		3.4 3.3	3.3		9.1 9.0	9.1	
G2	Sunny	Calm	08:29	Surface	1.0	26.4 26.4	26.4	9.8 9.8	9.8	34.3 34.3	34.3	97.6 97.6	97.6	6.5 6.5	6.5	6.5	3.2 3.2	3.2	3.9	7.5 7.4	7.5	8.5
				Middle	5.0	26.4 26.4	26.4	9.8 9.8	9.8	34.3 34.3	34.3	97.1 97.3	97.2	6.5 6.5	6.5		3.7 3.6	3.7		8.3 8.2	8.3	
				Bottom	9.1	26.3 26.3	26.3	9.8 9.8	9.8	34.4 34.4	34.4	96.8 96.9	96.9	6.4 6.4	6.4		4.7 4.7	4.7		9.8 10.0	9.9	
G3	Sunny	Calm	08:54	Surface	1.1	26.6 26.6	26.6	9.7 9.7	9.7	34.2 34.2	34.2	98.4 98.7	98.6	6.5 6.5	6.5	6.5	3.2 3.1	3.1	3.2	7.6 7.5	7.6	7.4
				Middle	3.8	26.4 26.5	26.4	9.7 9.7	9.7	34.2 34.2	34.2	97.5 97.8	97.7	6.5 6.5	6.5		3.2 3.2	3.2		6.8 7.1	7.0	
				Bottom	6.6	26.4 26.4	26.4	9.7 9.7	9.7	34.3 34.3	34.3	96.8 96.6	96.7	6.4 6.4	6.4		3.3 3.4	3.3		7.7 7.9	7.8	
G4	Sunny	Calm	09:10	Surface	1.1	26.5 26.5	26.5	9.8 9.8	9.8	34.2 34.2	34.2	97.6 98.1	97.9	6.5 6.5	6.5	6.5	3.2 3.2	3.2	3.3	5.7 5.8	5.8	14.7
				Middle	3.7	26.4 26.4	26.4	9.8 9.8	9.8	34.3 34.3	34.3	97.1 97.3	97.2	6.5 6.5	6.5		3.3 3.3	3.3		31.4 31.5	31.5	
				Bottom	6.6	26.4 26.4	26.4	9.8 9.8	9.8	34.3 34.3	34.3	96.4 96.1	96.3	6.4 6.4	6.4		3.4 3.4	3.4		6.9 7.0	7.0	
M1	Sunny	Calm	08:36	Surface	1.0	26.5 26.5	26.5	9.7 9.7	9.7	34.2 34.2	34.2	98.9 98.8	98.9	6.6 6.6	6.6	6.5	2.7 2.7	2.7	2.8	8.9 8.8	8.9	8.7
				Middle	3.0	26.5 26.5	26.5	9.7 9.7	9.7	34.2 34.2	34.2	98.2 98.3	98.3	6.5 6.5	6.5		2.8 2.8	2.8		6.7 6.5	6.6	
				Bottom	5.0	26.4 26.4	26.4	9.7 9.7	9.7	34.2 34.2	34.2	97.8 97.6	97.7	6.5 6.5	6.5		2.8 2.8	2.8		10.6 10.6	10.6	
M2	Sunny	Calm	08:22	Surface	1.1	26.5 26.5	26.5	9.7 9.7	9.7	34.3 34.3	34.3	97.7 97.9	97.8	6.5 6.5	6.5	6.5	3.3 3.3	3.3	4.3	8.4 8.4	8.4	8.0
				Middle	5.2	26.4 26.4	26.4	9.7 9.7	9.7	34.3 34.3	34.3	96.6 96.6	96.6	6.4 6.4	6.4		4.6 4.6	4.6		7.7 7.8	7.8	
				Bottom	9.5	26.4 26.4	26.4	9.7 9.7	9.7	34.4 34.4	34.4	96.5 96.6	96.6	6.4 6.4	6.4		4.9 5.0	5.0		7.9 7.8	7.9	
M3	Sunny	Calm	09:02	Surface	1.1	26.6 26.6	26.6	9.8 9.8	9.8	34.2 34.2	34.2	98.6 98.7	98.7	6.5 6.5	6.5	6.5	3.1 3.1	3.1	3.2	6.4 6.6	6.5	6.5
				Middle	3.8	26.4 26.4	26.4	9.8 9.8	9.8	34.3 34.2	34.2	97.3 97.6	97.5	6.5 6.5	6.5		3.2 3.2	3.2		6.6 6.5	6.6	
				Bottom	6.6	26.3 26.3	26.3	9.8 9.8	9.8	34.3 34.3	34.3	95.9 95.9	95.9	6.4 6.4	6.4		3.3 3.3	3.3		6.4 6.4	6.4	
M4	Sunny	Calm	08:16	Surface	1.1	26.5 26.4	26.5	9.7 9.7	9.7	34.3 34.3	34.3	99.1 98.9	99.0	6.6 6.6	6.6	6.5	3.2 3.2	3.2	4.2	8.1 8.5	8.3	6.9
				Middle	5.1	26.4 26.4	26.4	9.7 9.7	9.7	34.3 34.3	34.3	97.4 97.7	97.6	6.5 6.5	6.5		4.5 4.2	4.4		7.0 6.8	6.9	
				Bottom	9.0	26.3 26.3	26.3	9.7 9.7	9.7	34.3 34.3	34.3	96.3 96.2	96.3	6.4 6.4	6.4		5.1 5.0	5.0		5.5 5.7	5.6	
M5	Sunny	Calm	09:28	Surface	1.1	26.5 26.5	26.5	9.7 9.7	9.7	34.2 34.2	34.2	103.9 103.3	103.6	6.9 6.9	6.9	6.7	3.8 3.9	3.8	5.6	7.2 7.0	7.1	8.6
				Middle	5.6	26.3 26.3	26.3	9.6 9.6	9.6	34.4 34.4	34.4	97.0 97.3	97.2	6.5 6.5	6.5		7.0 7.1	7.0		10.7 10.7	10.7	
				Bottom	10.0	26.3 26.3	26.3	9.6 9.6	9.6	34.4 34.4	34.4	96.7 96.6	96.7	6.4 6.4	6.4		6.0 5.8	5.9		8.0 8.1	8.1	
M6	Sunny	Calm	09:17	Surface	-	-	-	-	-	-	-	-	-	-	6.5	-	-	3.2	-	-	9.3	
				Middle	2.0	26.4 26.4	26.4	9.8 9.8	9.8	34.2 34.2	34.2	97.5 97.2	97.4	6.5 6.5		6.5	8.0 8.0		8.0	9.1 9.5		9.3
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 19 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.2 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.5 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 30.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 33.3 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 30.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 33.3 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 8.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 9.6 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 21 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)				pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
C1	Sunny	Moderate	16:30	Surface	1.1	26.0	26.0	8.4	8.4	32.3	32.3	100.0	99.9	6.5	6.5	6.4	1.8	1.8	3.5	9.0	9.2	6.2		
				Middle	9.1	25.7	25.8	8.4	8.4	32.3	32.3	97.3	97.6	6.3	6.3		1.8	1.8		5.1	5.1			
				Bottom	17.1	25.7	25.7	8.4	8.4	32.5	32.5	92.3	92.0	6.0	6.0		6.5	6.7		4.3	4.4			
C2	Sunny	Moderate	15:28	Surface	1.1	26.0	26.0	8.6	8.6	32.2	32.2	102.0	101.8	6.6	6.6	6.5	2.3	2.3	2.2	9.7	9.7	8.6		
				Middle	16.5	25.7	25.7	8.6	8.5	32.3	32.3	100.3	100.4	6.5	6.5		2.2	2.1		7.0	6.9			
				Bottom	31.0	25.6	25.7	8.6	8.5	32.3	32.3	99.3	99.3	6.4	6.4		2.1	2.1		9.1	9.1			
G1	Sunny	Moderate	15:54	Surface	1.1	25.9	25.9	8.5	8.5	31.5	31.6	102.8	102.6	6.7	6.7	6.5	1.6	1.6	1.6	7.7	7.8	11.3		
				Middle	3.7	25.9	25.9	8.5	8.5	32.5	32.5	98.9	99.3	6.4	6.4		1.7	1.7		17.3	17.4			
				Bottom	6.5	25.9	25.9	8.5	8.5	32.6	32.6	87.0	84.8	5.6	5.6		1.3	1.4		8.7	8.8			
G2	Sunny	Moderate	15:43	Surface	1.0	25.8	25.8	8.5	8.5	32.2	32.3	99.3	99.2	6.4	6.4	6.6	1.8	1.7	1.5	20.8	21.0	27.2		
				Middle	5.1	25.8	25.8	8.6	8.6	32.5	32.5	105.3	105.3	6.8	6.8		1.3	1.3		30.9	30.9			
				Bottom	9.0	25.6	25.7	8.5	8.5	32.6	32.6	105.5	105.4	6.8	6.8		1.4	1.4		29.1	29.8			
G3	Sunny	Moderate	15:59	Surface	1.0	25.9	25.9	8.5	8.5	32.1	32.1	104.4	104.3	6.8	6.7	6.6	1.5	1.6	1.4	8.1	8.1	9.7		
				Middle	3.7	25.9	25.9	8.5	8.5	32.4	32.4	98.0	98.3	6.4	6.4		1.3	1.3		13.6	13.6			
				Bottom	6.5	25.6	25.7	8.5	8.5	32.6	32.6	96.2	104.5	6.2	6.5		1.4	1.4		7.4	7.4			
G4	Sunny	Moderate	16:11	Surface	1.1	26.0	25.9	8.4	8.4	31.6	31.6	102.8	102.9	6.7	6.7	6.7	1.6	1.6	1.5	5.3	5.4	6.3		
				Middle	3.7	25.9	25.9	8.4	8.4	32.3	32.3	103.1	103.2	6.7	6.7		0.9	0.9		7.9	8.0			
				Bottom	6.5	25.8	25.7	8.4	8.4	32.6	32.6	98.0	97.9	6.3	6.3		1.9	1.9		5.5	5.5			
M1	Sunny	Moderate	15:49	Surface	1.0	26.0	25.9	8.5	8.5	31.7	31.8	97.4	97.3	6.3	6.3	6.2	1.9	1.9	2.0	6.3	6.4	6.8		
				Middle	3.0	25.9	25.9	8.5	8.5	32.1	32.1	94.4	94.6	6.1	6.1		2.0	2.0		7.4	7.4			
				Bottom	5.0	25.8	25.8	8.5	8.5	32.4	32.4	91.7	91.2	5.9	5.9		2.1	2.1		6.5	6.5			
M2	Sunny	Moderate	15:39	Surface	1.0	25.8	25.8	8.5	8.5	32.2	32.2	105.9	106.1	6.9	6.9	6.8	1.0	1.0	0.9	5.5	5.6	19.8		
				Middle	5.2	25.6	25.7	8.6	8.5	32.4	32.4	105.4	105.6	6.8	6.8		0.8	0.8		26.8	26.8			
				Bottom	9.5	25.6	25.6	8.6	8.6	32.7	32.7	96.7	96.7	6.3	6.3		0.9	0.9		26.9	27.2			
M3	Sunny	Moderate	16:07	Surface	1.0	25.9	25.9	8.4	8.4	32.1	32.1	104.5	104.4	6.8	6.7	6.5	1.7	1.7	1.0	11.1	11.2	9.5		
				Middle	3.7	25.9	25.9	8.4	8.4	32.5	32.5	96.7	96.9	6.3	6.3		0.4	0.3		9.3	9.2			
				Bottom	6.5	25.7	25.7	8.5	8.4	32.6	32.6	90.5	89.9	5.9	5.8		0.9	0.9		8.1	8.2			
M4	Sunny	Moderate	15:34	Surface	1.0	25.9	25.9	8.6	8.6	31.1	31.1	103.9	104.3	6.7	6.8	6.6	0.6	0.6	1.1	38.2	38.2	18.1		
				Middle	5.0	25.8	25.8	8.6	8.6	32.6	32.6	99.6	99.7	6.5	6.5		1.1	1.1		7.3	7.4			
				Bottom	9.0	25.7	25.7	8.6	8.5	32.6	32.6	94.7	94.2	6.1	6.1		1.6	1.6		8.6	8.7			
M5	Sunny	Moderate	16:24	Surface	1.0	25.9	25.9	8.4	8.4	32.5	32.5	97.4	97.3	6.3	6.3	6.2	1.0	1.0	1.4	6.5	6.5	6.9		
				Middle	6.1	25.8	25.8	8.4	8.4	32.5	32.5	94.9	95.2	6.2	6.2		1.4	1.5		5.8	5.9			
				Bottom	11.0	25.8	25.8	8.4	8.4	32.6	32.6	91.2	91.0	5.9	5.9		1.5	1.7		8.0	8.2			
M6	Sunny	Moderate	16:17	Surface	-	-	-	-	-	-	-	-	-	-	6.4	-	-	2.2	-	-	5.3			
				Middle	2.0	25.9	25.9	8.4	8.4	32.4	32.4	99.4	99.2	6.4		6.4	2.2		2.2	5.3		5.3		
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-	

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 21 October 2020 (Mid-Ebb Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.6 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.8 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.6 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.6 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 10.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 11.8 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 21 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
C1	Sunny	Moderate	10:28	Surface	1.1	26.1 26.2	26.1	8.4 8.3	8.4	32.3 32.3	32.3	100.9 100.4	100.7	6.5 6.5	6.5	6.4	2.7 2.3	2.5	3.1	9.9 9.8	9.9	7.7		
				Middle	9.1	26.0 25.9	26.0	8.4 8.4	8.4	32.4 32.4	32.4	96.1 96.8	96.5	6.2 6.3	6.3		3.2 3.4			3.3			6.1 6.0	6.1
				Bottom	17.0	25.4 25.7	25.6	8.4 8.4	8.4	32.5 32.5	32.5	93.5 92.9	93.2	6.1 6.0	6.1		3.9 3.4			3.6			7.1 7.4	7.3
C2	Sunny	Moderate	09:31	Surface	1.0	26.5 26.4	26.4	8.6 8.5	8.5	32.2 32.2	32.2	101.3 101.1	101.2	6.6 6.5	6.5	6.5	3.0 3.2	3.1	4.7	6.2 6.2	6.2	6.5		
				Middle	15.9	25.9 25.8	25.8	8.6 8.5	8.5	32.3 32.3	32.3	100.5 100.7	100.6	6.5 6.5	6.5		5.4 5.3			5.4			7.2 7.0	7.2
				Bottom	31.0	25.8 25.8	25.8	8.5 8.5	8.5	32.4 32.4	32.4	99.1 98.9	99.0	6.4 6.4	6.4		5.6 5.5			5.5			6.2 6.2	6.2
G1	Sunny	Moderate	09:57	Surface	0.9	26.1 26.1	26.1	8.4 8.4	8.4	32.0 32.2	32.1	102.0 101.6	101.8	6.6 6.6	6.6	6.5	1.7 1.9	1.8	1.7	8.0 8.0	8.0	7.7		
				Middle	3.9	26.1 26.1	26.1	8.4 8.4	8.4	32.5 32.4	32.5	99.6 100.0	99.8	6.5 6.5	6.5		1.4 1.7			1.6			5.6 5.6	5.6
				Bottom	7.0	26.0 26.0	26.0	8.4 8.4	8.4	32.6 32.7	32.7	82.9 81.3	82.1	5.4 5.3	5.3		1.7 2.1			1.9			9.7 9.5	9.6
G2	Sunny	Moderate	09:48	Surface	1.0	26.2 26.0	26.1	8.5 8.5	8.5	32.3 32.3	32.3	99.1 99.1	99.1	6.4 6.4	6.4	6.6	2.3 2.2	2.3	2.3	9.2 9.0	9.1	11.0		
				Middle	5.0	26.1 26.0	26.0	8.5 8.5	8.5	32.5 32.4	32.4	104.9 104.6	104.8	6.8 6.8	6.8		2.3 2.1			2.2			16.0 16.2	16.1
				Bottom	8.9	25.9 25.9	25.9	8.5 8.4	8.5	32.6 32.6	32.6	105.4 105.2	105.3	6.8 6.8	6.8		2.5 2.2			2.4			7.7 7.7	7.7
G3	Sunny	Moderate	10:00	Surface	1.0	26.4 26.0	26.2	8.4 8.4	8.4	32.2 32.1	32.2	104.4 104.5	104.5	6.8 6.8	6.8	6.5	1.8 2.0	1.9	1.5	6.7 6.8	6.8	6.5		
				Middle	4.0	26.0 26.0	26.0	8.4 8.4	8.4	32.5 32.5	32.5	96.8 97.7	97.3	6.3 6.3	6.3		1.2 1.2			1.2			6.0 6.2	6.1
				Bottom	7.0	25.9 25.9	25.9	8.4 8.4	8.4	32.5 32.6	32.5	96.6 96.4	96.5	6.3 6.3	6.3		1.6 1.5			1.6			6.4 6.6	6.5
G4	Sunny	Moderate	10:11	Surface	1.0	26.0 26.3	26.2	8.3 8.2	8.2	31.2 31.4	31.3	102.8 102.7	102.8	6.7 6.7	6.7	6.7	2.8 2.4	2.6	2.9	10.1 10.2	10.2	16.1		
				Middle	4.5	26.0 26.0	26.0	8.3 8.3	8.3	32.4 32.4	32.4	102.9 103.0	103.0	6.7 6.7	6.7		2.7 2.8			2.7			24.5 24.5	24.5
				Bottom	7.0	25.9 25.9	25.9	8.3 8.3	8.3	32.5 32.6	32.5	101.9 98.5	100.2	6.6 6.4	6.5		3.0 3.5			3.3			13.5 13.5	13.5
M1	Sunny	Moderate	09:52	Surface	1.0	26.4 26.0	26.2	8.4 8.4	8.4	31.6 31.7	31.7	98.3 97.8	98.1	6.4 6.3	6.4	6.2	3.0 3.3	3.1	3.2	5.5 5.5	5.5	5.8		
				Middle	3.0	26.2 26.1	26.1	8.4 8.4	8.4	32.1 32.1	32.1	93.9 94.2	94.1	6.1 6.1	6.1		2.9 3.0			3.0			5.6 5.4	5.5
				Bottom	4.9	26.0 26.0	26.0	8.4 8.4	8.4	32.3 32.3	32.3	92.5 92.1	92.3	6.0 6.0	6.0		3.2 3.7			3.4			6.5 6.4	6.5
M2	Sunny	Moderate	09:44	Surface	0.9	26.2 26.0	26.1	8.6 8.6	8.6	32.0 32.1	32.0	105.4 105.6	105.5	6.8 6.8	6.8	6.8	1.3 1.3	1.3	1.6	8.7 8.6	8.7	8.5		
				Middle	6.0	25.9 26.0	26.0	8.6 8.6	8.6	32.5 32.5	32.5	105.4 105.4	105.4	6.8 6.8	6.8		0.7 0.8			0.7			11.6 11.3	11.5
				Bottom	11.0	25.7 25.6	25.7	8.6 8.6	8.6	32.7 32.7	32.7	98.1 97.9	98.0	6.4 6.3	6.3		2.5 2.9			2.7			5.2 5.3	5.3
M3	Sunny	Moderate	10:07	Surface	1.0	26.1 26.0	26.0	8.3 8.3	8.3	32.2 32.2	32.2	104.1 103.9	104.0	6.7 6.7	6.7	6.5	3.0 2.8	2.9	2.8	5.8 5.7	5.8	6.3		
				Middle	3.9	26.0 26.0	26.0	8.3 8.3	8.3	32.4 32.3	32.4	97.6 98.1	97.9	6.3 6.4	6.3		2.5 2.7			2.6			8.3 8.1	8.2
				Bottom	7.0	25.9 25.9	25.9	8.3 8.3	8.3	32.6 32.6	32.6	88.3 87.7	88.0	5.7 5.7	5.7		3.0 2.9			3.0			5.0 5.1	5.1
M4	Sunny	Moderate	09:38	Surface	1.0	26.4 26.1	26.2	8.5 8.5	8.5	31.0 30.9	31.0	104.8 104.8	104.8	6.8 6.8	6.8	6.6	3.8 3.7	3.8	3.8	4.9 4.9	4.9	6.0		
				Middle	4.9	26.0 26.0	26.0	8.5 8.6	8.6	32.6 32.3	32.5	99.8 100.0	99.9	6.5 6.5	6.5		3.4 3.8			3.6			5.6 5.6	5.6
				Bottom	8.9	25.9 26.0	26.0	8.5 8.5	8.5	32.7 32.7	32.7	94.4 94.6	94.5	6.1 6.1	6.1		4.2 3.8			4.0			7.6 7.6	7.6
M5	Sunny	Moderate	10:23	Surface	1.0	26.3 26.1	26.2	8.3 8.3	8.3	32.5 32.5	32.5	97.6 97.5	97.6	6.3 6.3	6.3	6.2	2.9 2.7	2.8	2.6	9.3 9.3	9.3	9.2		
				Middle	6.1	26.1 26.1	26.1	8.3 8.3	8.3	32.5 32.5	32.5	93.9 94.4	94.2	6.1 6.1	6.1		2.7 2.2			2.5			9.7 10.1	9.9
				Bottom	11.0	26.1 26.1	26.1	8.3 8.3	8.3	32.6 32.6	32.6	91.6 91.4	91.5	6.0 5.9	5.9		2.4 2.7			2.5			8.1 8.5	8.3
M6	Sunny	Moderate	10:16	Surface	-	-	-	-	-	-	-	-	-	-	6.4	-	-	1.9	-	-	8.9			
				Middle	2.0	26.2 26.0	26.1	8.3 8.3	8.3	32.5 32.5	32.5	98.8 98.6	98.7	6.4 6.4		6.4			8.0 8.0			8.0	9.1 8.7	8.9
				Bottom	-	-	-	-	-	-	-	-	-	-		-			-			-	-	-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 21 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.4 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.7 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 11.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 12.8 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 11.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 12.8 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 4.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.1 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 27 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	
C1	Fine	Calm	10:15	Surface	1.1	26.0	26.0	8.4	8.4	32.2	32.2	99.9	99.8	6.5	6.5	6.4	1.8	1.8	3.4	6.1	6.1	7.3
				Middle	9.1	25.7	25.8	8.4	8.4	32.3	32.3	97.2	97.8	6.3	6.3		1.8	1.8		6.1	6.1	
				Bottom	17.0	25.7	25.7	8.4	8.4	32.5	32.5	92.2	91.6	6.0	6.0		6.0	6.0		6.5	6.6	
C2	Fine	Calm	09:18	Surface	1.0	26.0	26.0	8.6	8.5	32.2	32.2	101.9	101.7	6.6	6.6	6.5	2.3	2.3	2.2	4.1	4.1	5.8
				Middle	15.9	25.7	25.7	8.6	8.5	32.3	32.3	100.2	100.3	6.5	6.5		2.2	2.1		8.2	8.4	
				Bottom	31.0	25.6	25.7	8.6	8.5	32.3	32.3	99.2	99.1	6.4	6.4		6.4	6.4		2.1	2.1	
G1	Fine	Calm	09:44	Surface	0.9	25.9	25.9	8.5	8.5	31.5	31.6	102.7	102.5	6.7	6.7	6.5	1.6	1.6	1.7	3.7	3.7	5.9
				Middle	3.9	25.9	25.9	8.5	8.5	32.5	32.5	98.8	99.2	6.4	6.4		1.7	1.7		10.2	10.2	
				Bottom	7.0	25.9	25.9	8.5	8.5	32.6	32.6	86.9	84.7	5.6	5.6		5.6	5.6		1.7	1.7	
G2	Fine	Calm	09:35	Surface	1.0	25.8	25.8	8.5	8.5	32.2	32.2	99.2	99.1	6.4	6.4	6.6	1.8	1.7	1.5	4.2	4.3	4.4
				Middle	5.0	25.8	25.8	8.6	8.5	32.5	32.5	105.2	105.1	6.8	6.8		1.2	1.2		4.7	4.7	
				Bottom	8.9	25.6	25.7	8.5	8.5	32.6	32.6	105.4	105.3	6.8	6.8		6.8	6.8		1.4	1.4	
G3	Fine	Calm	09:47	Surface	1.0	25.9	25.9	8.4	8.5	32.1	32.1	104.3	104.2	6.7	6.7	6.5	1.5	1.6	1.4	6.4	6.5	5.9
				Middle	4.0	25.9	25.9	8.5	8.5	32.4	32.4	97.9	98.2	6.3	6.4		1.3	1.3		8.2	8.3	
				Bottom	7.0	25.6	25.9	8.5	8.4	32.6	32.1	96.1	104.4	6.2	6.8		6.5	6.5		1.4	1.4	
G4	Fine	Calm	09:58	Surface	1.0	26.0	25.9	8.4	8.4	31.5	31.6	102.7	102.8	6.7	6.7	6.7	1.6	1.6	1.5	6.0	6.2	7.3
				Middle	4.5	25.9	25.9	8.4	8.4	32.3	32.2	103.0	103.1	6.7	6.7		0.9	0.9		7.6	7.5	
				Bottom	7.0	25.8	25.7	8.4	8.4	32.6	32.6	97.9	97.8	6.3	6.3		6.3	6.3		1.9	1.9	
M1	Fine	Calm	09:39	Surface	1.0	26.0	25.9	8.5	8.5	31.7	31.7	97.3	97.2	6.3	6.3	6.2	1.9	1.9	2.0	5.8	5.8	5.6
				Middle	3.0	25.9	25.9	8.5	8.5	32.1	32.0	94.3	94.7	6.1	6.1		2.0	2.0		6.4	6.4	
				Bottom	4.9	25.8	25.8	8.5	8.5	32.4	32.4	91.6	91.1	5.9	5.9		5.9	5.9		2.1	2.1	
M2	Fine	Calm	09:31	Surface	0.9	25.8	25.8	8.5	8.5	32.2	32.2	105.8	106.0	6.8	6.9	6.8	1.0	1.0	0.9	4.4	4.4	6.9
				Middle	6.0	25.6	25.8	8.5	8.5	32.4	32.4	105.3	105.5	6.8	6.8		0.8	0.8		7.0	6.9	
				Bottom	11.0	25.6	25.6	8.6	8.6	32.7	32.7	96.6	96.6	6.3	6.3		6.3	6.3		0.8	0.9	
M3	Fine	Calm	09:54	Surface	1.0	25.9	25.9	8.4	8.4	32.1	32.1	104.4	104.3	6.7	6.7	6.5	1.7	1.7	1.0	4.3	4.4	4.4
				Middle	3.9	25.9	25.9	8.4	8.4	32.5	32.4	96.6	96.9	6.3	6.3		0.3	0.3		4.7	4.7	
				Bottom	7.0	25.7	25.7	8.4	8.4	32.5	32.5	90.4	89.2	5.9	5.8		5.8	5.8		0.9	0.9	
M4	Fine	Calm	09:25	Surface	1.0	25.9	25.9	8.6	8.6	31.1	31.1	103.8	104.2	6.7	6.7	6.6	0.6	0.6	1.1	7.6	7.8	7.5
				Middle	4.9	25.8	25.8	8.6	8.6	32.6	32.6	99.5	99.6	6.4	6.4		1.1	1.1		9.3	9.5	
				Bottom	8.9	25.7	25.7	8.6	8.5	32.6	32.6	94.6	94.1	6.1	6.1		6.1	6.1		1.5	1.6	
M5	Fine	Calm	10:10	Surface	1.0	25.9	25.9	8.4	8.4	32.5	32.5	97.3	97.2	6.3	6.3	6.2	1.0	1.0	1.4	11.1	11.1	8.1
				Middle	6.1	25.8	25.8	8.4	8.4	32.5	32.5	94.8	95.3	6.1	6.2		1.4	1.4		6.2	6.3	
				Bottom	11.0	25.8	25.8	8.4	8.4	32.5	32.5	91.1	90.9	5.9	5.9		5.9	5.9		1.7	1.7	
M6	Fine	Calm	10:03	Surface	-	-	-	-	-	-	-	-	-	-	6.4	-	-	2.2	-	-	4.5	
				Middle	2.0	25.9	25.9	8.4	8.4	32.4	32.4	99.3	98.9	6.4		6.4	2.2		2.2	4.5		4.5
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 27 October 2020 (Mid-Ebb Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.5 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.8 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.3 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.3 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 5.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 6.4 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 27 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
C1	Fine	Calm	16:17	Surface	1.1	26.1 26.2	26.1	8.4 8.3	8.3	32.2 32.2	32.2	100.8 100.3	100.6	6.5 6.5	6.5	6.4	2.7 2.3	2.5	3.1	7.5 7.8	7.7	8.4		
				Middle	9.1	26.0 25.9	26.0	8.4 8.4	8.4	32.4 32.4	32.4	96.0 96.7	96.4	6.2 6.3	6.3		3.2 3.4			3.3			7.2 7.0	7.1
				Bottom	17.1	25.4 25.7	25.6	8.4 8.4	8.4	32.5 32.5	32.5	93.4 92.8	93.1	6.1 6.0	6.1		3.9 3.3			3.6			10.3 10.3	10.3
C2	Fine	Calm	15:15	Surface	1.1	26.5 26.4	26.4	8.5 8.5	8.5	32.2 32.2	32.2	101.2 101.0	101.1	6.5 6.5	6.5	6.5	2.9 3.2	3.1	4.7	5.4 5.6	5.5	6.5		
				Middle	16.5	25.9 25.8	25.8	8.5 8.5	8.5	32.3 32.3	32.3	100.4 100.6	100.5	6.5 6.5	6.5		5.4 5.3			5.4			8.4 8.3	8.4
				Bottom	31.0	25.8 25.8	25.8	8.5 8.5	8.5	32.3 32.3	32.3	99.0 98.8	98.9	6.4 6.4	6.4		5.6 5.4			5.5			5.7 5.7	5.7
G1	Fine	Calm	15:41	Surface	1.1	26.1 26.1	26.1	8.4 8.4	8.4	32.0 32.2	32.1	101.9 101.5	101.7	6.6 6.6	6.6	6.5	1.7 1.9	1.8	1.7	8.8 8.6	8.7	7.9		
				Middle	3.7	26.1 26.1	26.1	8.4 8.4	8.4	32.5 32.4	32.4	99.5 99.9	99.7	6.4 6.5	6.5		1.4 1.7			1.6			7.1 7.2	7.2
				Bottom	6.5	26.0 26.0	26.0	8.4 8.4	8.4	32.6 32.7	32.6	82.8 81.2	82.0	5.4 5.3	5.3		1.7 2.1			1.9			7.7 7.7	7.7
G2	Fine	Calm	15:30	Surface	1.0	26.2 26.0	26.1	8.5 8.5	8.5	32.3 32.3	32.3	99.0 99.0	99.0	6.4 6.4	6.4	6.6	2.3 2.2	2.3	2.3	8.8 8.7	8.8	8.1		
				Middle	5.1	26.1 26.0	26.0	8.5 8.5	8.5	32.5 32.4	32.4	104.8 104.5	104.7	6.8 6.8	6.8		2.2 2.1			2.2			6.3 6.4	6.4
				Bottom	9.0	25.9 25.9	25.9	8.5 8.4	8.4	32.6 32.6	32.6	105.3 105.1	105.2	6.8 6.8	6.8		2.5 2.2			2.4			9.0 9.2	9.1
G3	Fine	Calm	15:46	Surface	1.0	26.4 26.0	26.2	8.4 8.4	8.4	32.2 32.1	32.1	104.3 104.4	104.4	6.8 6.8	6.8	6.5	1.8 2.0	1.9	1.5	6.8 6.8	6.8	6.5		
				Middle	3.7	26.0 26.0	26.0	8.4 8.4	8.4	32.5 32.5	32.5	96.7 97.6	97.2	6.3 6.3	6.3		1.2 1.1			1.2			6.3 6.3	6.3
				Bottom	6.5	25.9 25.9	25.9	8.4 8.4	8.4	32.5 32.5	32.5	96.5 96.3	96.4	6.3 6.2	6.2		1.6 1.5			1.6			6.3 6.3	6.3
G4	Fine	Calm	15:58	Surface	1.1	26.0 26.3	26.2	8.2 8.2	8.2	31.2 31.4	31.3	102.7 102.6	102.7	6.7 6.7	6.7	6.7	2.8 2.4	2.6	2.9	5.5 5.2	5.4	6.0		
				Middle	3.7	26.0 26.0	26.0	8.2 8.2	8.2	32.4 32.4	32.4	102.8 102.9	102.9	6.6 6.7	6.6		2.7 2.8			2.7			6.8 6.6	6.7
				Bottom	6.5	25.9 25.9	25.9	8.2 8.2	8.2	32.5 32.5	32.5	101.8 98.4	100.1	6.6 6.4	6.5		3.0 3.5			3.3			5.8 5.8	5.8
M1	Fine	Calm	15:36	Surface	1.0	26.4 26.0	26.2	8.4 8.4	8.4	31.6 31.7	31.7	98.2 97.7	98.0	6.4 6.3	6.4	6.2	3.0 3.3	3.1	3.2	7.8 7.7	7.8	6.7		
				Middle	3.0	26.2 26.1	26.1	8.4 8.4	8.4	32.1 32.1	32.1	93.8 94.1	94.0	6.1 6.1	6.1		2.9 3.0			2.9			5.4 5.3	5.4
				Bottom	5.0	26.0 26.0	26.0	8.4 8.4	8.4	32.3 32.3	32.3	92.4 92.0	92.2	6.0 6.0	6.0		3.2 3.6			3.4			6.8 7.0	6.9
M2	Fine	Calm	15:26	Surface	1.0	26.2 26.0	26.1	8.6 8.6	8.6	31.9 32.1	32.0	105.3 105.5	105.4	6.8 6.8	6.8	6.8	1.3 1.2	1.3	1.6	6.8 7.0	6.9	7.4		
				Middle	5.2	25.9 26.0	26.0	8.6 8.5	8.6	32.5 32.4	32.5	105.3 105.3	105.3	6.8 6.8	6.8		0.7 0.8			0.7			5.9 5.9	5.9
				Bottom	9.5	25.7 25.6	25.7	8.6 8.5	8.6	32.7 32.7	32.7	98.0 97.8	97.9	6.3 6.3	6.3		2.5 2.9			2.7			9.4 9.4	9.4
M3	Fine	Calm	15:54	Surface	1.0	26.1 26.0	26.0	8.3 8.3	8.3	32.1 32.2	32.2	104.0 103.8	103.9	6.7 6.7	6.7	6.5	3.0 2.8	2.9	2.8	5.4 5.5	5.5	6.5		
				Middle	3.7	26.0 26.0	26.0	8.3 8.3	8.3	32.4 32.3	32.4	97.5 98.0	97.8	6.3 6.3	6.3		2.5 2.6			2.6			7.6 7.7	7.7
				Bottom	6.5	25.9 25.9	25.9	8.3 8.3	8.3	32.6 32.6	32.6	88.2 87.6	87.9	5.7 5.7	5.7		3.0 2.9			3.0			6.4 6.3	6.4
M4	Fine	Calm	15:21	Surface	1.0	26.4 26.1	26.2	8.5 8.5	8.5	31.0 30.9	30.9	104.7 104.7	104.7	6.8 6.8	6.8	6.6	3.8 3.7	3.7	3.8	5.7 5.9	5.8	6.6		
				Middle	5.0	26.0 26.0	26.0	8.5 8.6	8.5	32.6 32.3	32.5	99.7 99.9	99.8	6.5 6.5	6.5		3.4 3.8			3.6			6.8 6.9	6.9
				Bottom	9.0	25.9 26.0	26.0	8.5 8.5	8.5	32.7 32.7	32.7	94.3 94.5	94.4	6.1 6.1	6.1		4.2 3.8			4.0			7.2 7.0	7.1
M5	Fine	Calm	16:11	Surface	1.0	26.3 26.1	26.2	8.3 8.3	8.3	32.5 32.5	32.5	97.5 97.4	97.5	6.3 6.3	6.3	6.2	2.9 2.7	2.8	2.6	9.1 9.1	9.1	20.5		
				Middle	6.1	26.1 26.1	26.1	8.3 8.3	8.3	32.5 32.5	32.5	93.8 94.3	94.1	6.1 6.1	6.1		2.7 2.2			2.4			37.8 38.2	38.0
				Bottom	11.0	26.1 26.1	26.1	8.3 8.3	8.3	32.5 32.5	32.5	91.5 91.3	91.4	5.9 5.9	5.9		2.4 2.7			2.5			14.3 14.2	14.3
M6	Fine	Calm	16:04	Surface	-	-	-	-	-	-	-	-	-	-	6.4	-	-	1.8	-	-	41.2			
				Middle	2.0	26.2 26.0	26.1	8.3 8.3	8.3	32.5 32.5	32.5	98.7 98.5	98.6	6.4 6.4		6.4			8.0 8.0			8.0	40.7 41.6	41.2
				Bottom	-	-	-	-	-	-	-	-	-	-		-			-			-	-	-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

**Appendix I - Action and Limit Levels for Marine Water Quality on 27 October 2020 (Mid-Flood Tide)**

<b>Parameter (unit)</b>	<b>Depth</b>	<b>Action Level</b>	<b>Limit Level</b>
DO in mg/L (See Note 1 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.4 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.7 NTU</u>
	<b><u>Station M6</u></b>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<b><u>Stations G1-G4</u></b>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 9.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 9.9 mg/L</u>
	<b><u>Stations M1-M5</u></b>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 9.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 9.9 mg/L</u>
	<b><u>Stations G1-G4, M1-M5</u></b>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 12.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 13.4 mg/L</u>
	<b><u>Station M6</u></b>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 29 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value
C1	Cloudy	Calm	12:15	Surface	1.0	29.3	29.3	8.4	8.4	34.6	34.6	88.0	87.8	5.6	5.6	5.6	2.5	2.5	2.6	7.2	7.3	8.0
				Middle	9.0	29.2	29.2	8.5	8.5	34.9	34.9	89.7	89.8	5.7	5.7		2.6	2.6		7.1	7.1	
				Bottom	17.1	29.1	29.1	8.5	8.5	35.0	35.0	90.2	90.2	5.7	5.7		2.8	2.8		9.8	9.8	
C2	Cloudy	Calm	11:01	Surface	1.0	29.5	29.5	8.2	8.2	34.3	34.3	85.0	84.9	5.4	5.4	5.4	2.8	2.8	3.3	6.4	6.2	6.3
				Middle	16.1	29.2	29.2	8.3	8.3	34.8	34.8	85.6	85.7	5.4	5.4		3.2	3.2		5.7	5.8	
				Bottom	31.1	29.1	29.1	8.4	8.4	34.9	34.9	85.6	85.8	5.4	5.4		4.0	3.9		6.7	6.8	
G1	Cloudy	Calm	11:33	Surface	1.1	29.7	29.7	8.5	8.5	35.0	35.0	105.9	106.1	6.6	6.7	6.7	1.2	1.2	1.9	6.5	6.7	7.1
				Middle	4.0	29.5	29.5	8.5	8.5	35.0	35.0	105.9	105.8	6.7	6.7		1.4	1.4		6.3	6.4	
				Bottom	7.1	29.1	29.1	8.5	8.5	35.2	35.2	96.7	96.4	6.1	6.1		3.0	3.0		8.1	8.2	
G2	Cloudy	Calm	11:20	Surface	1.1	29.5	29.5	8.5	8.5	35.0	35.0	106.1	106.1	6.7	6.7	6.5	1.0	1.0	1.3	8.4	8.6	6.8
				Middle	5.1	29.3	29.3	8.5	8.5	35.1	35.1	99.5	99.7	6.3	6.3		1.3	1.3		5.2	5.1	
				Bottom	9.0	29.1	29.1	8.5	8.5	35.2	35.2	96.0	95.8	6.1	6.1		1.7	1.7		6.5	6.7	
G3	Cloudy	Calm	11:40	Surface	1.0	29.6	29.6	8.5	8.5	34.9	34.9	113.9	113.9	7.2	7.2	6.9	1.4	1.4	2.8	4.6	4.7	7.5
				Middle	4.1	29.3	29.3	8.5	8.5	35.0	34.9	103.6	104.1	6.5	6.6		1.8	1.8		8.5	8.7	
				Bottom	7.1	29.0	29.0	8.5	8.5	35.2	35.2	88.8	85.5	5.6	5.5		5.3	5.3		9.3	9.2	
G4	Cloudy	Calm	11:55	Surface	1.1	29.7	29.7	8.5	8.5	34.9	34.9	109.1	109.2	6.8	6.9	6.8	1.1	1.1	2.5	3.8	3.7	4.9
				Middle	4.1	29.5	29.5	8.5	8.5	34.9	34.9	107.8	107.9	6.8	6.8		1.8	1.7		5.7	5.6	
				Bottom	7.1	29.1	29.1	8.5	8.5	35.1	35.1	92.1	91.5	5.8	5.8		4.7	4.7		5.2	5.3	
M1	Cloudy	Calm	11:26	Surface	1.0	29.6	29.6	8.5	8.5	35.0	35.0	107.4	107.5	6.7	6.7	6.7	1.2	1.1	1.3	7.4	7.4	6.3
				Middle	3.1	29.5	29.5	8.5	8.5	35.0	35.0	106.2	105.8	6.7	6.7		1.2	1.2		6.5	6.3	
				Bottom	5.1	29.5	29.5	8.5	8.5	35.0	35.0	101.5	101.3	6.4	6.4		1.5	1.6		5.1	5.3	
M2	Cloudy	Calm	11:14	Surface	1.1	29.4	29.4	8.5	8.5	35.1	35.1	103.8	103.7	6.5	6.5	6.3	0.9	0.9	1.0	4.4	4.4	5.0
				Middle	6.1	29.1	29.1	8.5	8.5	35.2	35.2	96.8	97.0	6.1	6.1		1.1	1.1		6.1	6.3	
				Bottom	11.0	29.1	29.1	8.5	8.5	35.2	35.2	96.5	96.4	6.1	6.1		1.1	1.1		4.5	4.5	
M3	Cloudy	Calm	11:48	Surface	1.0	29.7	29.7	8.5	8.5	34.6	34.5	112.5	112.9	7.1	7.1	6.8	0.7	0.7	2.4	5.9	6.0	7.3
				Middle	4.1	29.4	29.4	8.5	8.5	34.9	34.9	102.7	102.6	6.5	6.5		1.9	1.8		6.4	6.5	
				Bottom	7.1	29.0	29.0	8.4	8.4	35.2	35.2	86.4	86.3	5.5	5.5		4.4	4.6		9.9	9.5	
M4	Cloudy	Calm	11:07	Surface	1.0	29.3	29.3	8.4	8.4	34.8	34.8	92.3	92.2	5.8	5.8	5.8	2.7	2.7	2.2	10.6	10.7	8.4
				Middle	5.1	29.3	29.3	8.4	8.4	34.9	34.9	92.3	92.2	5.8	5.8		2.6	2.6		7.4	7.4	
				Bottom	9.0	29.3	29.3	8.5	8.5	35.1	35.1	97.8	97.9	6.2	6.2		1.4	1.4		7.0	7.3	
M5	Cloudy	Calm	12:08	Surface	1.1	29.2	29.2	8.4	8.4	34.8	34.8	94.8	94.2	6.0	6.0	5.9	2.1	2.0	2.0	8.3	8.1	7.2
				Middle	6.0	29.2	29.2	8.4	8.4	34.9	34.9	91.5	91.6	5.8	5.8		2.1	2.1		6.9	6.8	
				Bottom	11.1	29.2	29.2	8.4	8.4	34.9	34.9	91.2	91.2	5.8	5.8		2.1	2.1		6.6	6.9	
M6	Cloudy	Calm	12:01	Surface	-	-	-	-	-	-	-	-	-	-	6.7	-	-	1.4	-	-	9.3	
				Middle	2.1	29.7	29.7	8.5	8.5	34.8	34.8	106.6	106.6	6.7		6.7	1.4		1.4	9.1		9.3
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 29 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Calm	17:30	Surface	1.0	29.3 29.3	29.3	8.4 8.4	8.4	34.6 34.6	34.6	88.4 88.3	88.4	5.6 5.6	5.6	5.6	2.6 2.6	2.6	2.7	7.4 7.6	7.5	10.0
				Middle	9.0	29.2 29.2	29.2	8.5 8.5	8.5	34.9 34.9	34.9	89.6 89.7	89.7	5.7 5.7	5.7		2.5 2.6	2.5		14.0 13.3	13.7	
				Bottom	17.0	29.1 29.1	29.1	8.5 8.5	8.5	35.0 35.0	35.0	90.1 90.1	90.1	5.7 5.7	5.7		2.9 2.9	2.9		8.6 8.9	8.8	
C2	Cloudy	Calm	16:17	Surface	1.1	29.5 29.5	29.5	8.2 8.2	8.2	34.3 34.3	34.3	84.3 84.1	84.2	5.3 5.3	5.3	5.4	2.9 2.8	2.8	3.1	6.2 6.1	6.2	5.4
				Middle	16.0	29.2 29.2	29.2	8.3 8.3	8.3	34.8 34.8	34.8	85.8 86.1	86.0	5.4 5.5	5.4		3.3 3.2	3.3		4.9 5.0	5.0	
				Bottom	31.0	29.1 29.1	29.1	8.4 8.4	8.4	34.9 34.9	34.9	85.9 86.1	86.0	5.4 5.5	5.4		3.1 3.1	3.1		5.3 5.1	5.2	
G1	Cloudy	Calm	16:52	Surface	1.1	29.7 29.7	29.7	8.5 8.5	8.5	34.9 35.0	34.9	105.0 105.5	105.3	6.6 6.6	6.6	6.6	1.6 1.3	1.4	1.8	6.3 6.5	6.4	24.4
				Middle	4.0	29.5 29.5	29.5	8.5 8.5	8.5	35.0 35.0	35.0	106.0 106.0	106.0	6.7 6.7	6.7		1.4 1.4	1.4		38.1 37.1	37.6	
				Bottom	7.0	29.2 29.1	29.1	8.5 8.5	8.5	35.1 35.2	35.1	97.2 96.9	97.1	6.1 6.1	6.1		2.5 2.8	2.6		28.8 29.8	29.3	
G2	Cloudy	Calm	16:38	Surface	1.1	29.5 29.5	29.5	8.5 8.5	8.5	35.0 35.0	35.0	106.1 106.1	106.1	6.7 6.7	6.7	6.5	0.9 0.9	0.9	1.3	9.8 9.6	9.7	6.1
				Middle	5.1	29.2 29.2	29.2	8.5 8.5	8.5	35.1 35.1	35.1	99.1 99.3	99.2	6.3 6.3	6.3		1.4 1.4	1.4		5.4 5.1	5.3	
				Bottom	9.0	29.1 29.1	29.1	8.5 8.5	8.5	35.2 35.2	35.2	96.7 96.3	96.5	6.1 6.1	6.1		1.6 1.6	1.6		3.4 3.3	3.4	
G3	Cloudy	Calm	16:57	Surface	1.1	29.6 29.6	29.6	8.5 8.5	8.5	34.9 34.9	34.9	113.5 113.4	113.5	7.1 7.1	7.1	6.9	1.3 1.2	1.3	2.8	7.3 8.1	7.9	7.3
				Middle	4.1	29.4 29.4	29.4	8.5 8.5	8.5	34.9 34.9	34.9	104.5 105.2	104.9	6.6 6.6	6.6		1.7 1.7	1.7		7.2 7.5	7.4	
				Bottom	7.0	29.0 29.0	29.0	8.4 8.4	8.4	35.2 35.2	35.2	84.5 84.5	84.5	5.3 5.4	5.3		5.5 5.4	5.5		6.8 6.7	6.8	
G4	Cloudy	Calm	17:11	Surface	1.0	29.7 29.7	29.7	8.5 8.5	8.5	34.9 34.9	34.9	109.4 109.4	109.4	6.9 6.9	6.9	6.8	1.2 1.2	1.2	2.6	4.7 4.6	4.7	6.5
				Middle	4.1	29.5 29.6	29.5	8.5 8.5	8.5	34.9 34.9	34.9	108.1 108.3	108.2	6.8 6.8	6.8		1.7 1.5	1.6		7.2 7.4	7.3	
				Bottom	7.0	29.1 29.1	29.1	8.5 8.5	8.5	35.1 35.1	35.1	91.1 90.9	91.0	5.8 5.8	5.8		4.8 5.0	4.9		7.6 7.6	7.6	
M1	Cloudy	Calm	16:45	Surface	1.0	29.6 29.6	29.6	8.5 8.5	8.5	35.0 35.0	35.0	107.4 107.3	107.4	6.7 6.7	6.7	6.7	1.1 1.1	1.1	1.4	4.9 4.8	4.9	5.8
				Middle	3.0	29.5 29.5	29.5	8.5 8.5	8.5	35.0 35.0	35.0	105.6 105.7	105.7	6.6 6.6	6.6		1.4 1.4	1.4		5.9 6.0	6.0	
				Bottom	5.1	29.4 29.4	29.4	8.5 8.5	8.5	35.0 35.1	35.0	101.1 100.8	101.0	6.4 6.3	6.4		1.8 1.8	1.8		6.6 6.8	6.7	
M2	Cloudy	Calm	16:31	Surface	1.1	29.4 29.4	29.4	8.5 8.5	8.5	35.1 35.1	35.1	103.6 103.5	103.6	6.5 6.5	6.5	6.3	0.9 0.9	0.9	1.1	7.1 7.5	7.3	7.9
				Middle	6.1	29.1 29.1	29.1	8.5 8.5	8.5	35.2 35.2	35.2	97.2 97.4	97.3	6.2 6.2	6.2		1.1 1.2	1.1		6.7 6.5	6.6	
				Bottom	11.0	29.1 29.0	29.0	8.5 8.5	8.5	35.2 35.2	35.2	96.3 96.2	96.3	6.1 6.1	6.1		1.2 1.2	1.2		9.4 9.9	9.7	
M3	Cloudy	Calm	17:05	Surface	1.1	29.7 29.7	29.7	8.5 8.5	8.5	34.5 34.5	34.5	111.6 111.9	111.8	7.0 7.0	7.0	6.8	0.7 0.7	0.7	2.3	6.7 6.5	6.6	5.9
				Middle	4.0	29.4 29.4	29.4	8.5 8.5	8.5	34.9 34.9	34.9	103.2 103.0	103.1	6.5 6.5	6.5		2.1 2.0	2.0		5.1 5.3	5.2	
				Bottom	7.1	29.1 29.0	29.1	8.5 8.4	8.4	35.2 35.2	35.2	88.4 86.8	87.6	5.6 5.5	5.5		4.0 4.3	4.1		5.9 5.7	5.8	
M4	Cloudy	Calm	16:24	Surface	1.0	29.3 29.3	29.3	8.4 8.4	8.4	34.8 34.8	34.8	93.6 92.6	93.1	5.9 5.9	5.9	5.9	2.6 2.7	2.6	2.2	6.6 6.9	6.8	6.8
				Middle	5.1	29.3 29.3	29.3	8.4 8.4	8.4	34.9 34.9	34.9	92.5 92.4	92.5	5.8 5.8	5.8		2.6 2.6	2.6		5.2 5.2	5.2	
				Bottom	9.0	29.3 29.3	29.3	8.4 8.5	8.4	35.1 35.1	35.1	97.3 97.6	97.5	6.1 6.2	6.1		1.4 1.4	1.4		8.3 8.5	8.4	
M5	Cloudy	Calm	17:22	Surface	1.0	29.2 29.2	29.2	8.4 8.4	8.4	34.9 34.9	34.9	93.2 92.9	93.1	5.9 5.9	5.9	5.8	1.9 1.9	1.9	2.0	5.3 5.4	5.4	7.1
				Middle	6.1	29.2 29.2	29.2	8.4 8.4	8.4	34.9 34.9	34.9	91.6 91.9	91.8	5.8 5.8	5.8		2.1 2.0	2.0		9.9 10.4	10.2	
				Bottom	11.0	29.2 29.2	29.2	8.4 8.4	8.4	34.9 34.9	34.9	91.1 91.1	91.1	5.8 5.8	5.8		2.0 2.1	2.0		5.8 5.6	5.7	
M6	Cloudy	Calm	17:16	Surface	-	-	-	-	-	-	-	-	-	-	6.7	-	-	1.3	-	-	7.4	
				Middle	2.1	29.7 29.7	29.7	8.5 8.5	8.5	34.8 34.8	34.8	106.8 106.7	106.8	6.7 6.7		6.7	8.0 8.0		8.0	7.2 7.6		7.4
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 31 October 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)				pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
C1	Sunny	Moderate	12:24	Surface	1.0	21.6	21.6	8.5	8.5	34.1	34.1	102.2	102.2	7.8	7.8	7.8	1.1	1.1	1.7	4.3	4.3	7.6		
				Middle	9.1	21.6	21.6	8.5	8.5	34.3	34.3	101.4	101.4	7.8	7.8		1.1	1.1		4.3	4.3			
				Bottom	17.1	21.6	21.6	8.5	8.5	34.4	34.4	99.7	99.7	7.6	7.6		2.5	2.5		8.2	8.5			
C2	Sunny	Moderate	10:52	Surface	1.0	21.5	21.5	8.4	8.4	34.1	34.1	99.5	99.5	7.6	7.6	7.6	1.5	1.5	1.6	8.1	8.1	7.1		
				Middle	16.1	21.5	21.5	8.4	8.4	34.1	34.1	99.2	99.2	7.6	7.6		1.6	1.6		6.0	6.3			
				Bottom	31.1	21.5	21.5	8.5	8.5	34.1	34.1	99.3	99.3	7.6	7.6		1.7	1.8		6.9	6.9			
G1	Sunny	Moderate	11:33	Surface	1.1	21.5	21.5	8.5	8.5	34.1	34.1	100.0	100.1	7.7	7.7	7.7	1.9	1.9	2.1	7.3	7.6	9.1		
				Middle	4.1	21.5	21.5	8.5	8.5	34.1	34.1	99.7	99.7	7.7	7.7		2.1	2.1		8.8	9.0			
				Bottom	7.1	21.4	21.4	8.5	8.5	34.1	34.1	99.1	99.1	7.6	7.6		2.3	2.3		10.7	10.6			
G2	Sunny	Moderate	11:13	Surface	1.1	21.5	21.5	8.5	8.5	34.1	34.1	101.8	101.8	7.8	7.8	7.8	0.9	0.9	1.6	5.3	5.4	5.5		
				Middle	5.1	21.4	21.4	8.5	8.5	34.1	34.1	100.8	100.9	7.7	7.7		1.5	1.5		5.4	5.4			
				Bottom	9.0	21.5	21.5	8.5	8.5	34.3	34.3	99.5	99.5	7.6	7.6		2.3	2.3		5.5	5.6			
G3	Sunny	Moderate	11:40	Surface	1.0	21.6	21.6	8.5	8.5	34.0	34.0	101.1	101.1	7.7	7.7	7.8	1.4	1.4	1.6	5.0	4.9	7.6		
				Middle	4.1	21.5	21.5	8.5	8.5	34.1	34.1	101.4	101.4	7.8	7.8		1.6	1.6		9.9	10.0			
				Bottom	7.0	21.5	21.5	8.5	8.5	34.1	34.1	101.0	100.9	7.7	7.7		1.9	1.9		8.2	8.0			
G4	Sunny	Moderate	11:55	Surface	1.0	21.7	21.7	8.5	8.5	34.0	34.0	102.6	102.6	7.8	7.8	7.8	1.6	1.6	1.4	5.1	5.1	7.3		
				Middle	4.1	21.5	21.5	8.5	8.5	34.1	34.1	102.0	102.0	7.8	7.8		1.1	1.1		4.4	4.4			
				Bottom	7.0	21.5	21.5	8.5	8.5	34.1	34.1	101.1	101.1	7.8	7.8		1.4	1.4		12.2	12.5			
M1	Sunny	Moderate	11:20	Surface	1.1	21.5	21.5	8.5	8.5	34.0	34.0	99.8	99.8	7.7	7.7	7.6	3.2	3.2	4.4	8.8	8.8	6.2		
				Middle	3.0	21.5	21.5	8.5	8.5	34.1	34.1	99.3	99.3	7.6	7.6		4.8	4.8		3.6	3.6			
				Bottom	5.0	21.5	21.5	8.5	8.5	34.1	34.1	98.9	98.9	7.6	7.6		5.1	5.1		6.0	6.2			
M2	Sunny	Moderate	11:05	Surface	1.0	21.5	21.5	8.5	8.5	34.1	34.1	102.3	102.3	7.8	7.8	7.8	1.1	1.0	1.4	8.1	8.2	5.3		
				Middle	6.1	21.5	21.5	8.5	8.5	34.1	34.1	102.0	102.0	7.8	7.8		1.2	1.2		4.4	4.4			
				Bottom	11.1	21.5	21.5	8.5	8.5	34.3	34.3	100.9	100.9	7.7	7.7		1.8	1.8		3.3	3.4			
M3	Sunny	Moderate	11:49	Surface	1.0	21.7	21.7	8.5	8.5	34.0	34.0	102.6	102.6	7.8	7.8	7.8	1.0	1.0	1.3	5.5	5.7	8.0		
				Middle	4.1	21.6	21.6	8.5	8.5	34.0	34.0	102.0	102.1	7.8	7.8		1.4	1.3		5.0	5.0			
				Bottom	7.1	21.4	21.4	8.5	8.5	34.1	34.1	100.8	100.8	7.7	7.7		1.5	1.5		13.5	13.2			
M4	Sunny	Moderate	10:59	Surface	1.0	21.5	21.5	8.5	8.5	34.2	34.2	100.1	100.1	7.7	7.7	7.7	1.6	1.6	1.8	5.7	5.8	3.7		
				Middle	5.1	21.5	21.5	8.5	8.5	34.2	34.2	99.8	99.8	7.6	7.6		1.8	1.8		0.5	0.5			
				Bottom	9.0	21.5	21.5	8.5	8.5	34.2	34.3	99.7	99.7	7.6	7.6		2.0	2.0		4.8	4.9			
M5	Sunny	Moderate	12:14	Surface	1.0	21.5	21.5	8.5	8.5	34.1	34.1	100.8	100.8	7.7	7.7	7.7	1.5	1.5	1.9	4.7	4.7	3.5		
				Middle	6.1	21.5	21.5	8.5	8.5	34.2	34.2	100.5	100.5	7.7	7.7		1.6	1.6		3.4	3.4			
				Bottom	11.0	21.6	21.6	8.5	8.5	34.4	34.4	100.2	100.2	7.7	7.7		2.6	2.5		2.6	2.6			
M6	Sunny	Moderate	12:03	Surface	-	-	-	-	-	-	-	-	-	-	7.9	-	-	0.9	-	-	3.2			
				Middle	2.0	21.6	21.6	8.5	8.5	34.1	34.1	102.7	102.7	7.9		7.9	0.9		0.9	3.2		3.2		
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-	

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

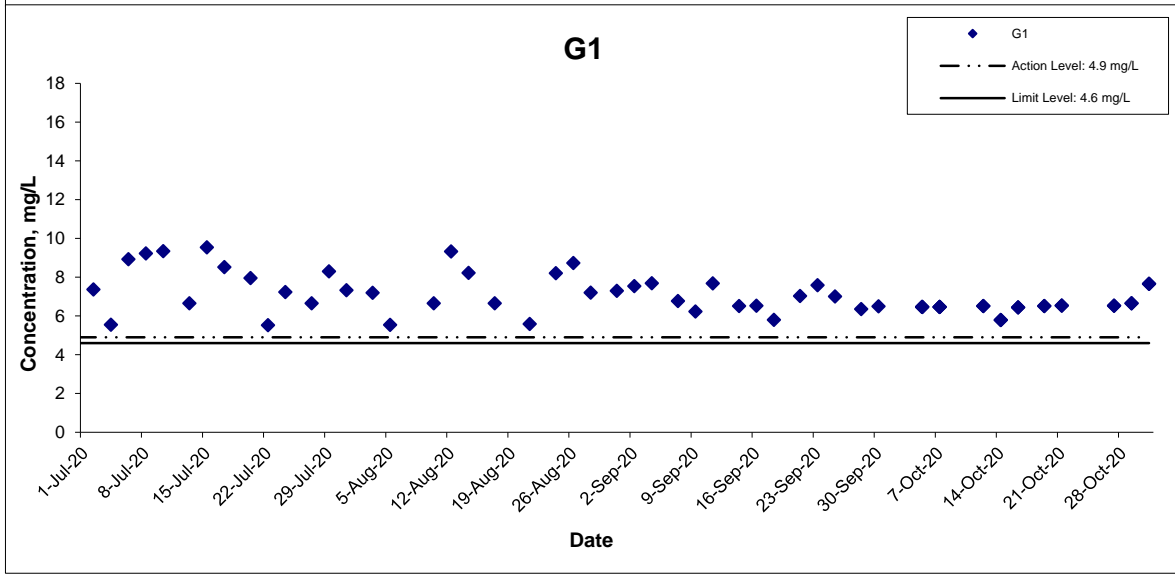
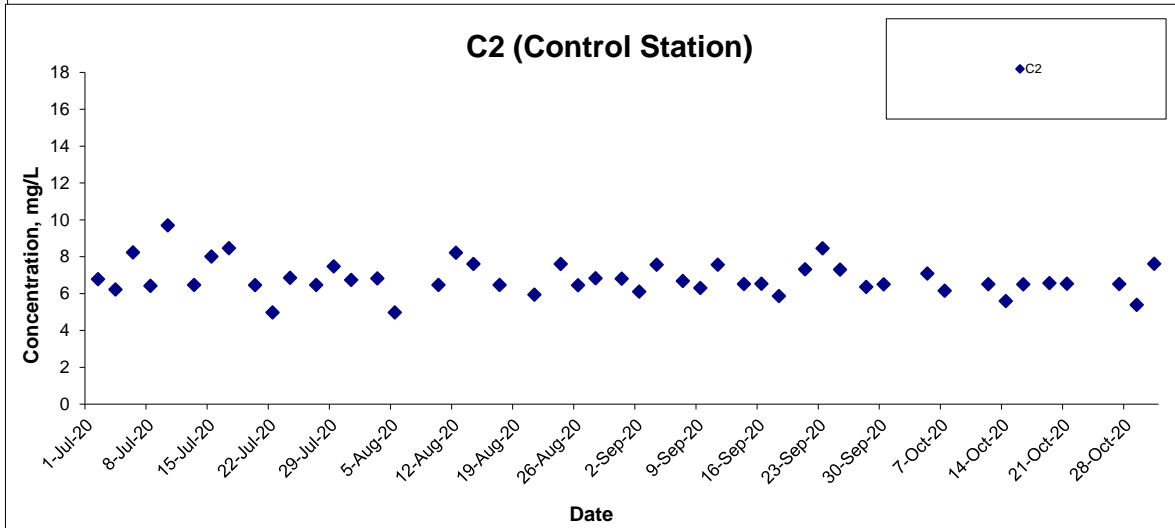
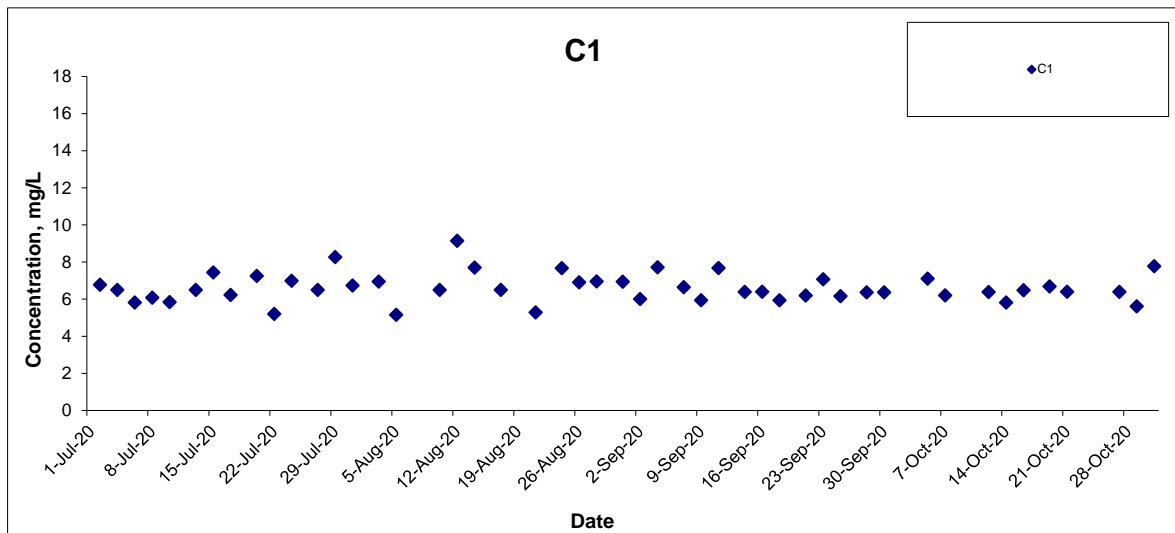
Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Water Quality Monitoring Results on 31 October 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	Moderate	18:32	Surface	1.0	21.6 21.6	21.6	8.5 8.5	8.5	34.1 34.1	34.1	102.2 102.2	102.2	7.8 7.8	7.8	7.8	1.0 1.1	1.0	1.6	9.9 9.6	9.8	5.3	
				Middle	9.1	21.6 21.6	21.6	8.5 8.5	8.5	34.3 34.3	34.3	101.4 101.4	101.4	7.8 7.8	7.8		1.4 1.4			1.4			2.7 2.7
				Bottom	17.0	21.6 21.6	21.6	8.5 8.5	8.5	34.4 34.4	34.4	99.9 99.8	99.9	7.6 7.6	7.6		2.5 2.5			2.5			3.5 3.6
C2	Sunny	Moderate	17:00	Surface	1.1	21.5 21.5	21.5	8.4 8.4	8.4	34.1 34.1	34.1	99.5 99.5	99.5	7.6 7.6	7.6	7.6	1.5 1.4	1.4	1.6	4.1 4.2	4.2	4.1	
				Middle	16.1	21.5 21.5	21.5	8.4 8.4	8.4	34.1 34.1	34.1	99.2 99.2	99.2	7.6 7.6	7.6		1.7 1.7			1.7			3.2 3.3
				Bottom	31.0	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	99.2 99.2	99.2	7.6 7.6	7.6		1.8 1.7			1.7			4.9 5.1
G1	Sunny	Moderate	17:41	Surface	1.0	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	100.0 100.0	100.0	7.7 7.7	7.7	7.7	1.9 1.9	1.9	2.1	13.3 13.5	13.4	11.2	
				Middle	4.1	21.4 21.4	21.4	8.5 8.5	8.5	34.1 34.1	34.1	99.7 99.7	99.7	7.7 7.7	7.7		2.1 2.1			2.1			12.8 13.5
				Bottom	7.0	21.4 21.4	21.4	8.5 8.5	8.5	34.1 34.1	34.1	99.2 99.2	99.2	7.6 7.6	7.6		2.3 2.3			2.3			7.0 6.8
G2	Sunny	Moderate	17:21	Surface	1.0	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	101.7 101.8	101.8	7.8 7.8	7.8	7.8	0.9 0.9	0.9	1.6	6.4 6.4	6.4	6.8	
				Middle	5.0	21.4 21.4	21.4	8.5 8.5	8.5	34.1 34.1	34.1	100.7 100.7	100.7	7.7 7.7	7.7		1.6 1.6			1.6			8.7 8.4
				Bottom	9.0	21.5 21.5	21.5	8.5 8.5	8.5	34.3 34.3	34.3	99.4 99.5	99.5	7.6 7.6	7.6		2.3 2.3			2.3			5.3 5.3
G3	Sunny	Moderate	17:48	Surface	1.0	21.6 21.6	21.6	8.5 8.5	8.5	34.0 34.0	34.0	101.2 101.2	101.2	7.8 7.8	7.8	7.8	1.3 1.3	1.3	1.6	3.6 3.4	3.5	9.0	
				Middle	4.1	21.6 21.6	21.6	8.5 8.5	8.5	34.1 34.1	34.1	101.5 101.5	101.5	7.8 7.8	7.8		1.5 1.5			1.5			11.3 11.4
				Bottom	7.0	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	100.9 100.9	100.9	7.7 7.7	7.7		1.9 1.9			1.9			12.2 12.0
G4	Sunny	Moderate	18:03	Surface	1.0	21.7 21.7	21.7	8.5 8.5	8.5	34.0 34.0	34.0	102.6 102.6	102.6	7.8 7.8	7.8	7.8	1.6 1.6	1.6	1.4	34.2 36.5	35.4	26.9	
				Middle	4.1	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	102.1 102.1	102.1	7.8 7.8	7.8		1.1 1.1			1.1			39.1 37.6
				Bottom	7.1	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	101.0 100.9	101.0	7.7 7.7	7.7		1.4 1.4			1.4			7.0 7.0
M1	Sunny	Moderate	17:28	Surface	1.0	21.5 21.5	21.5	8.5 8.5	8.5	34.0 34.1	34.0	99.8 99.8	99.8	7.7 7.7	7.7	7.6	3.3 3.5	3.4	4.5	13.9 13.4	13.7	9.1	
				Middle	3.1	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	99.3 99.3	99.3	7.6 7.6	7.6		4.8 4.8			4.8			5.8 5.7
				Bottom	5.0	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	98.9 98.9	98.9	7.6 7.6	7.6		5.2 5.3			5.2			7.8 8.2
M2	Sunny	Moderate	17:13	Surface	1.0	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	102.3 102.3	102.3	7.8 7.8	7.8	7.8	1.0 1.0	1.0	1.4	7.3 7.6	7.5	8.1	
				Middle	6.1	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	102.0 102.1	102.1	7.8 7.8	7.8		1.2 1.2			1.2			9.6 9.4
				Bottom	11.0	21.5 21.5	21.5	8.5 8.5	8.5	34.3 34.3	34.3	100.9 100.8	100.9	7.7 7.7	7.7		1.9 1.9			1.9			7.5 7.1
M3	Sunny	Moderate	17:57	Surface	1.0	21.7 21.7	21.7	8.5 8.5	8.5	34.0 34.0	34.0	102.6 102.6	102.6	7.8 7.8	7.8	7.8	1.0 1.0	1.0	1.3	3.0 3.1	3.1	6.7	
				Middle	4.1	21.6 21.6	21.6	8.5 8.5	8.5	34.0 34.0	34.0	101.9 102.0	102.0	7.8 7.8	7.8		1.5 1.4			1.4			7.2 7.0
				Bottom	7.1	21.4 21.4	21.4	8.5 8.5	8.5	34.1 34.1	34.1	101.0 100.9	101.0	7.7 7.7	7.7		1.5 1.5			1.5			10.0 9.6
M4	Sunny	Moderate	17:07	Surface	1.0	21.5 21.5	21.5	8.5 8.5	8.5	34.2 34.2	34.2	100.2 100.2	100.2	7.7 7.7	7.7	7.7	1.6 1.6	1.6	1.8	13.1 13.4	13.3	10.1	
				Middle	5.1	21.5 21.5	21.5	8.5 8.5	8.5	34.2 34.2	34.2	99.8 99.8	99.8	7.6 7.6	7.6		1.8 1.8			1.8			11.4 11.8
				Bottom	9.0	21.5 21.5	21.5	8.5 8.5	8.5	34.2 34.2	34.2	99.7 99.7	99.7	7.6 7.6	7.6		2.0 2.0			2.0			5.4 5.4
M5	Sunny	Moderate	18:22	Surface	1.0	21.5 21.5	21.5	8.5 8.5	8.5	34.1 34.1	34.1	100.8 100.8	100.8	7.7 7.7	7.7	7.7	1.4 1.4	1.4	1.8	3.2 3.2	3.2	5.0	
				Middle	6.0	21.5 21.5	21.5	8.5 8.5	8.5	34.2 34.2	34.2	100.5 100.5	100.5	7.7 7.7	7.7		1.6 1.6			1.6			6.5 6.8
				Bottom	11.0	21.6 21.6	21.6	8.5 8.5	8.5	34.4 34.4	34.4	100.2 100.2	100.2	7.7 7.7	7.7		2.5 2.5			2.5			5.1 5.2
M6	Sunny	Moderate	18:11	Surface	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	0.9	-	-	5.7	
				Middle	2.1	21.6 21.6	21.6	8.5 8.5	8.5	34.1 34.1	34.1	102.7 102.7	102.7	7.9 7.9	7.9		8.0 8.0			8.0			5.7 5.7
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-			-			-

Remarks: \*DA: Depth-Averaged  
 \*\*Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher.

## Dissolved Oxygen (Depth-averaged) at Mid-Ebb Tide



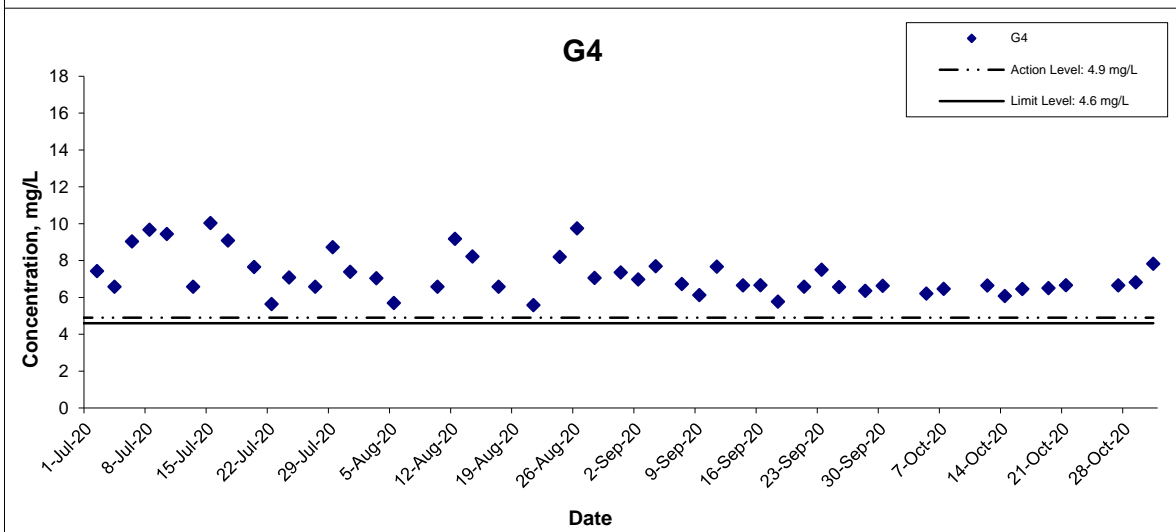
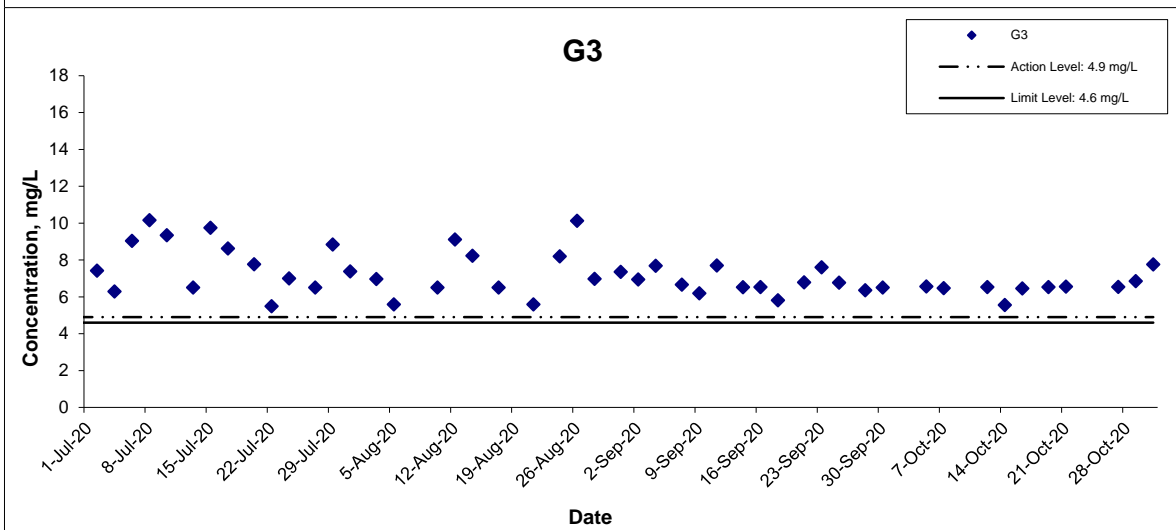
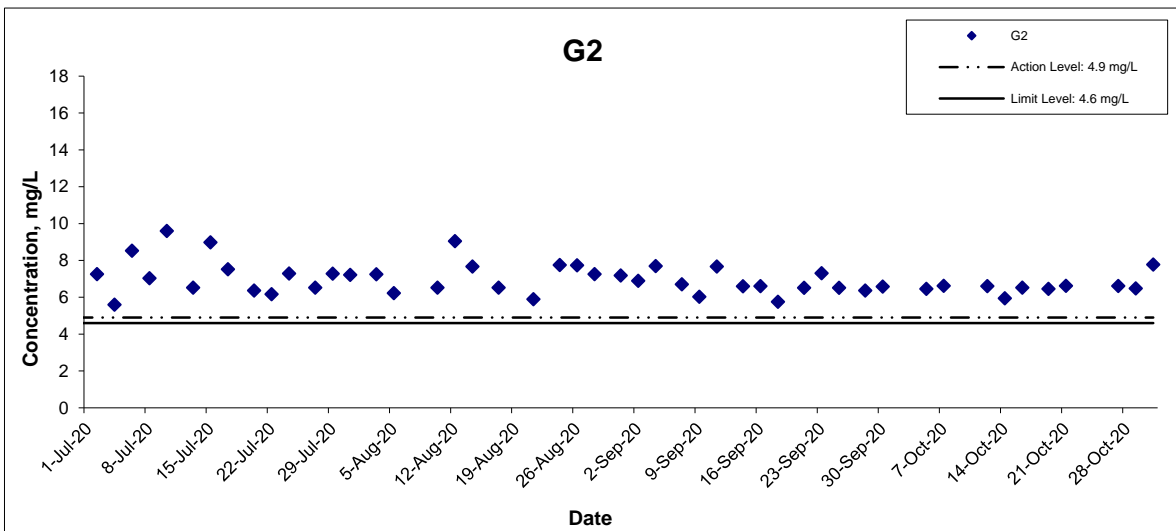
**Title**  
 Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  
 Graphical Presentation of Water Quality Monitoring Results

**Scale**  
 N.T.S  
**Date**  
 Oct 20

**Project No.**  
 MA16034  
**Appendix**  
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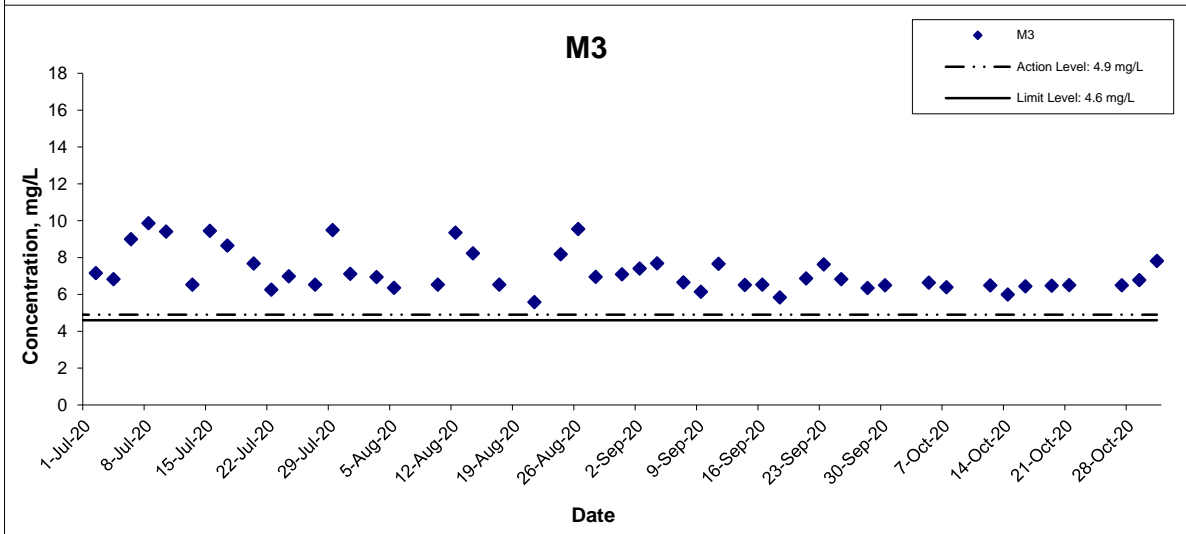
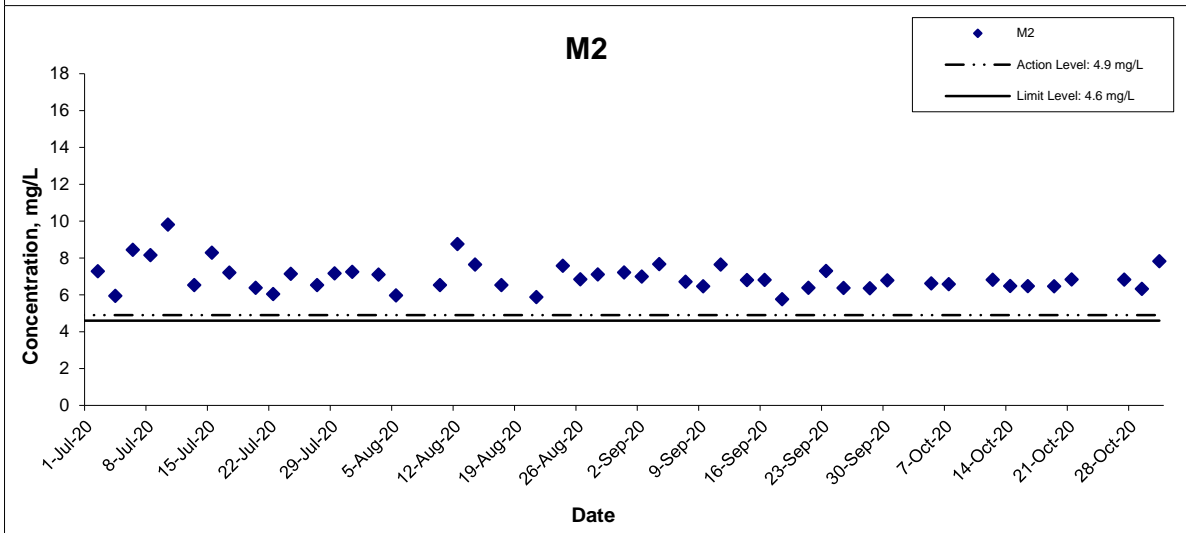
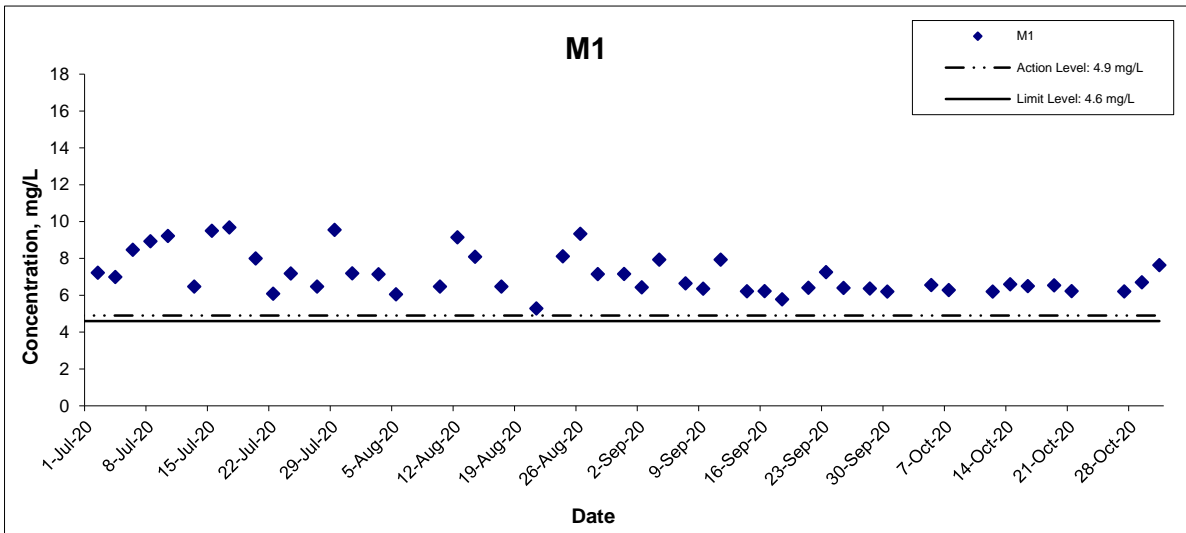


## Dissolved Oxygen (Depth-averaged) at Mid-Ebb Tide



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	Date Oct 20	Appendix I	

## Dissolved Oxygen (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

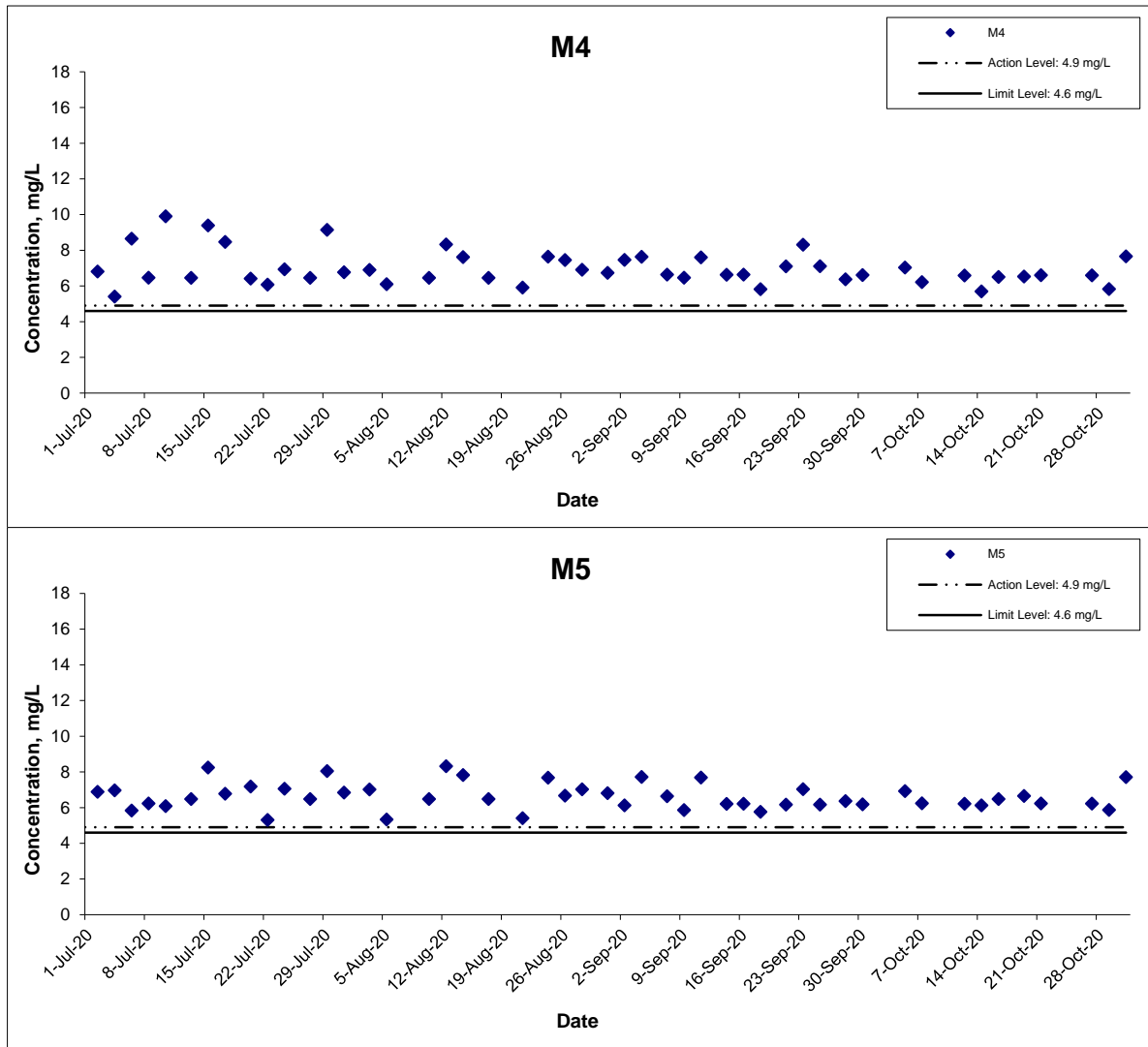
Date Oct 20

Project No. MA16034

Appendix I



## Dissolved Oxygen (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

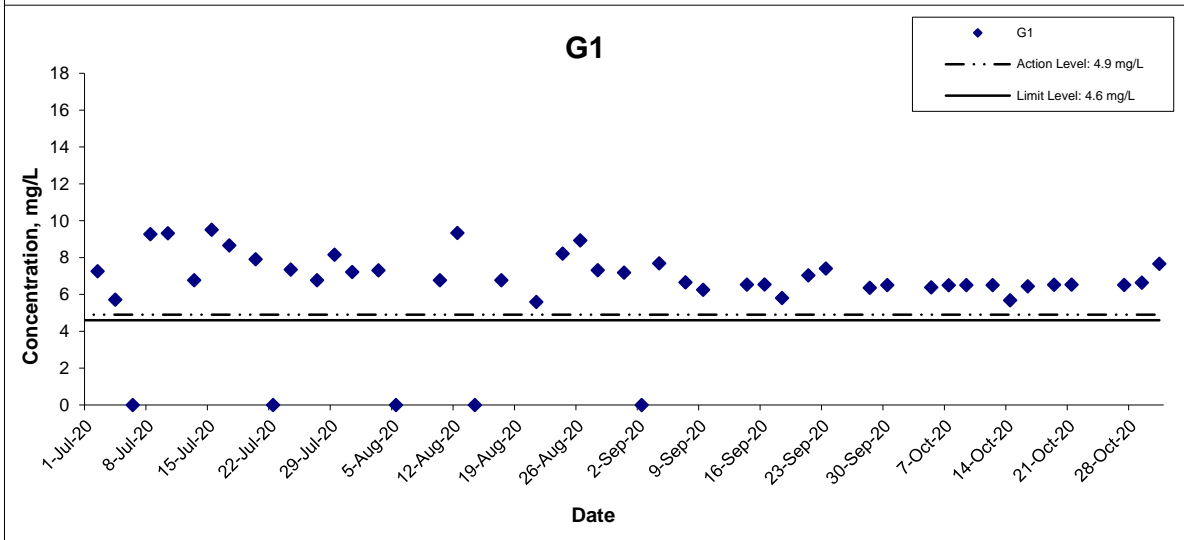
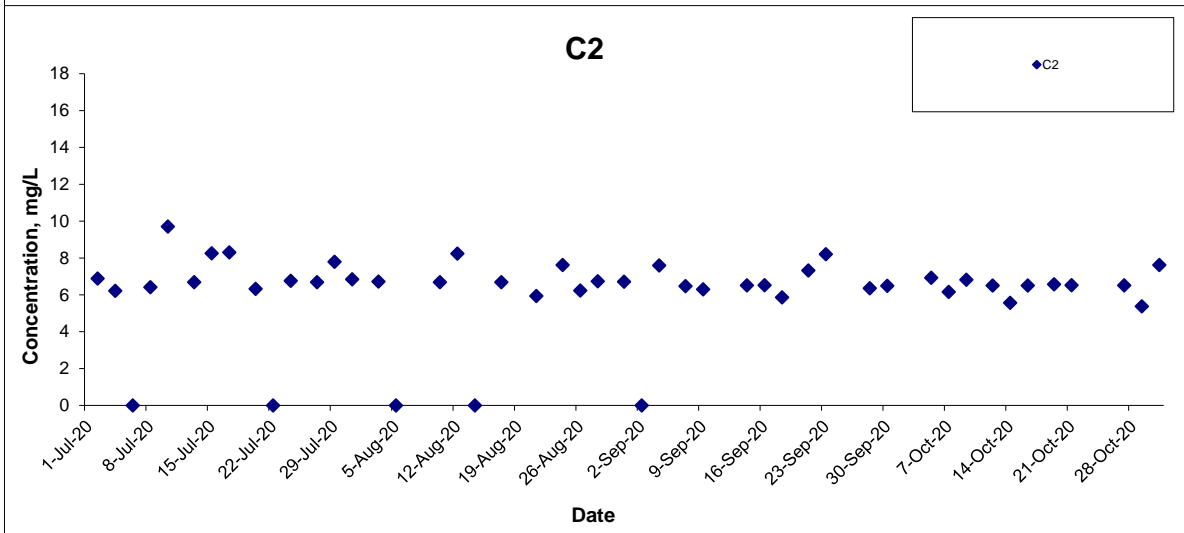
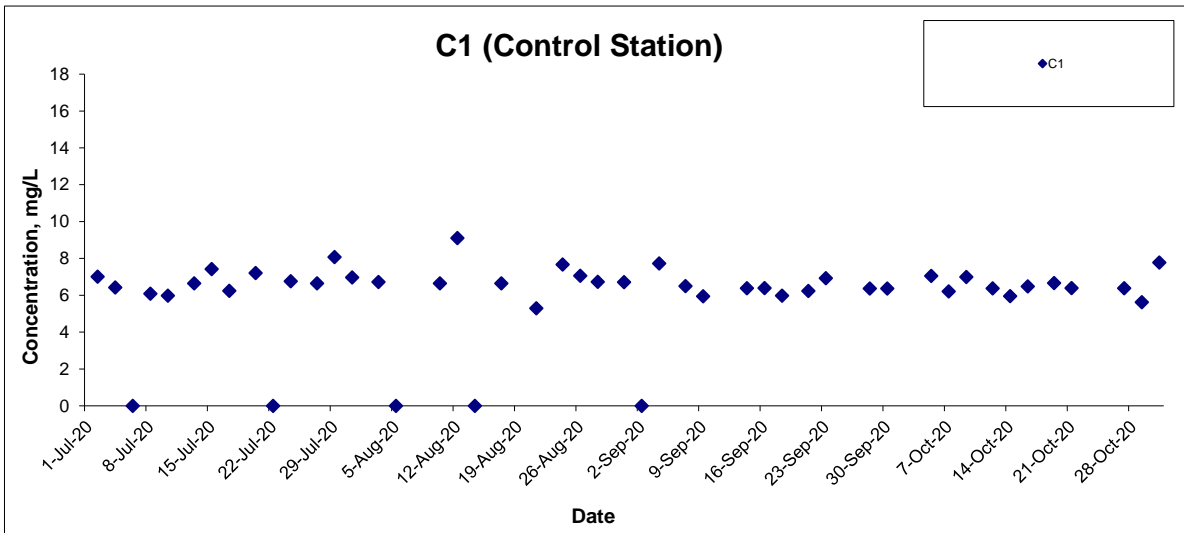
Date Oct 20

Project No. MA16034

Appendix I



## Dissolved Oxygen (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

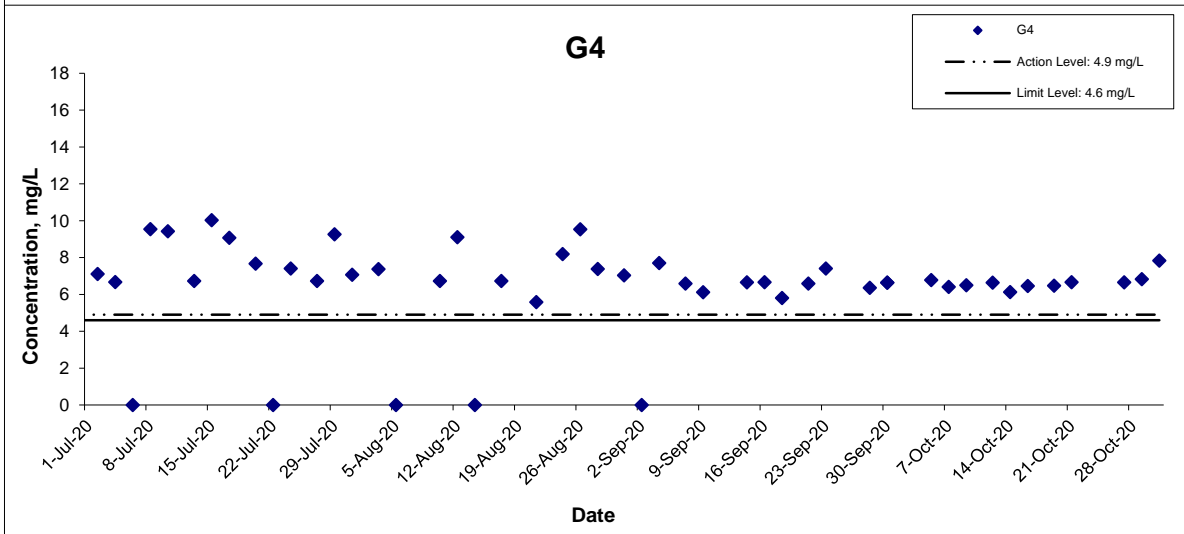
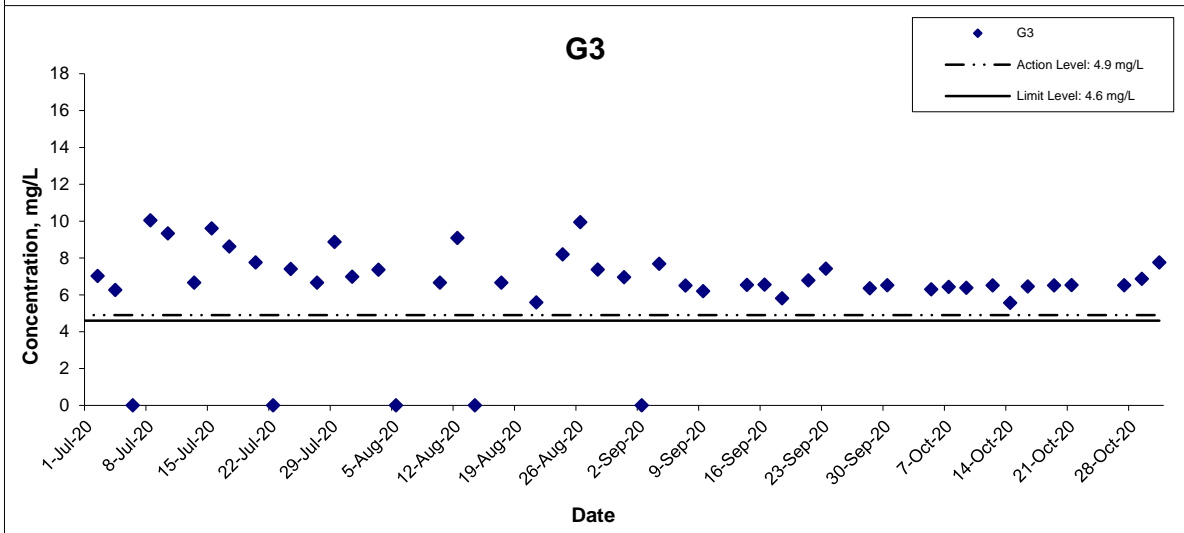
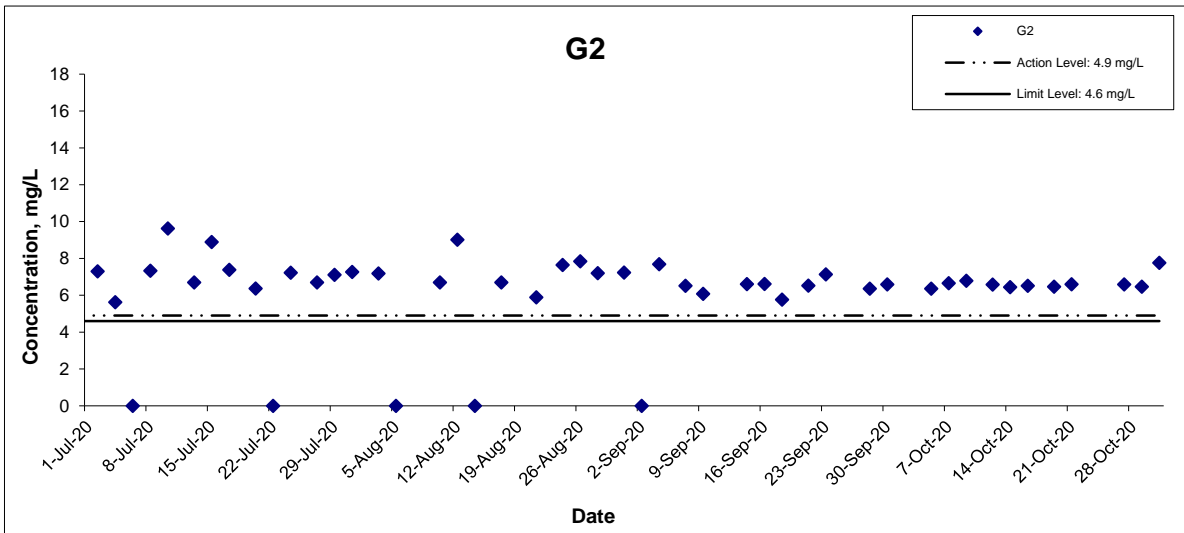
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## Dissolved Oxygen (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

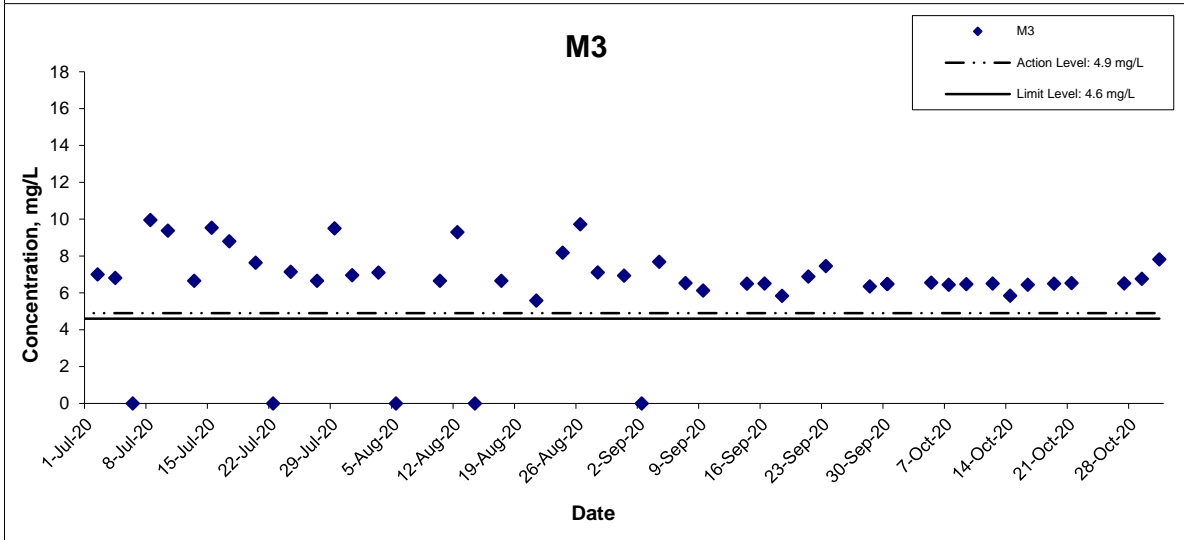
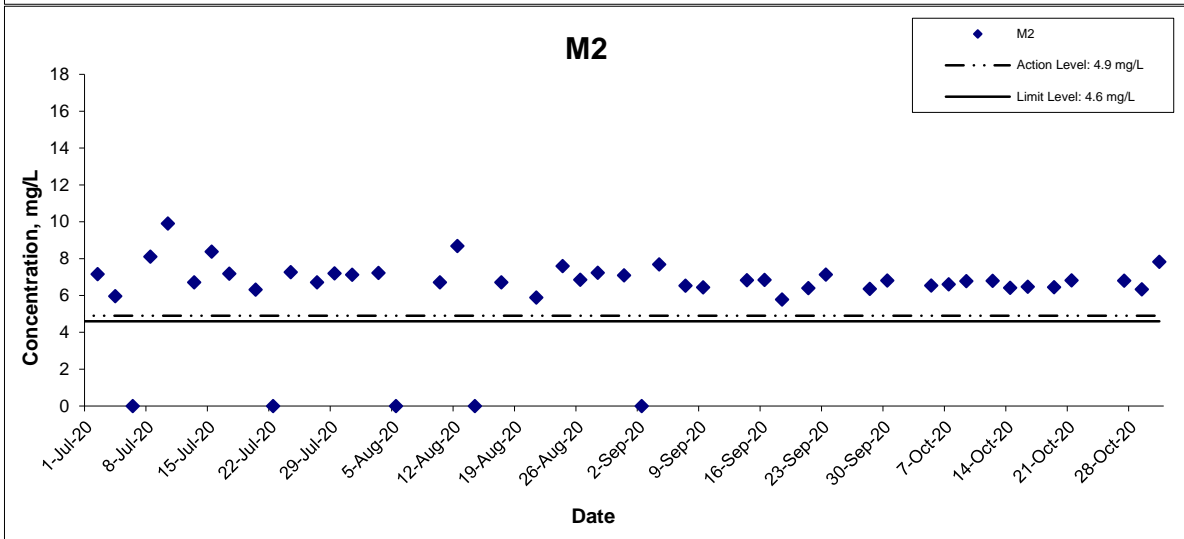
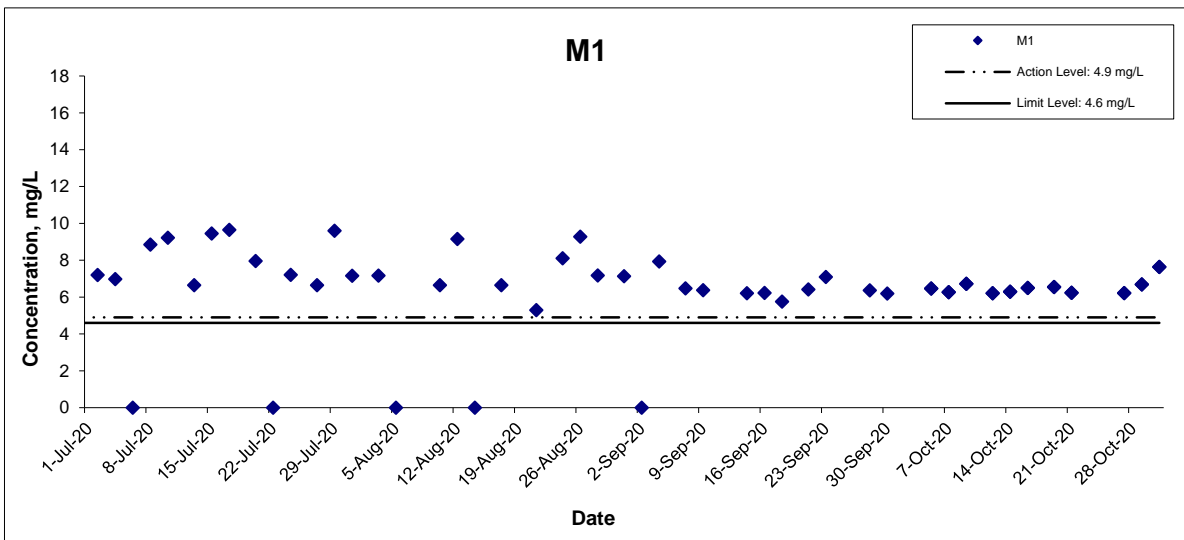
Date Oct 20

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## Dissolved Oxygen (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

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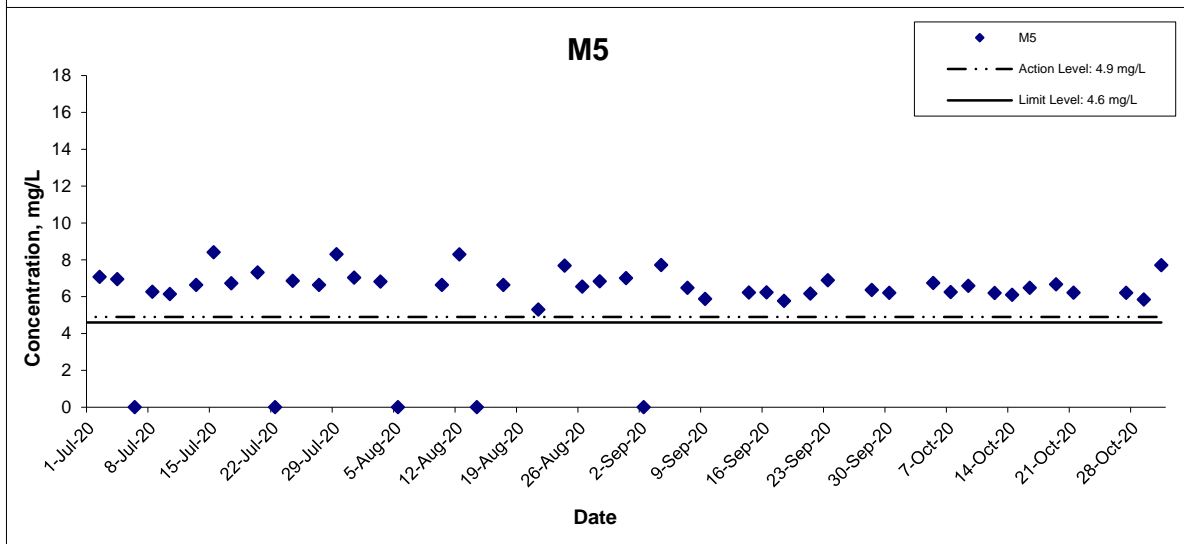
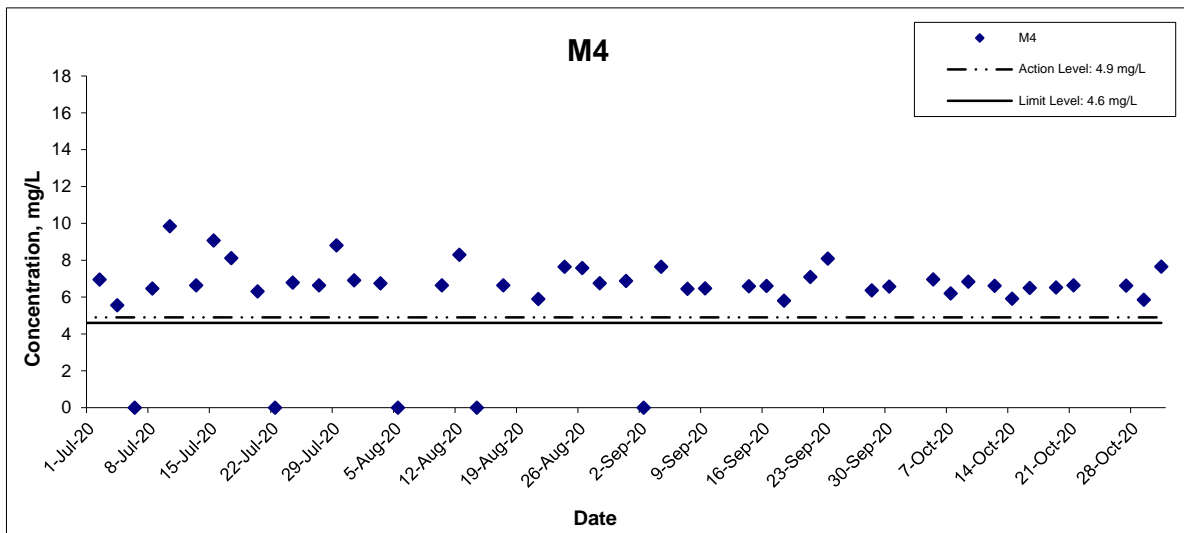
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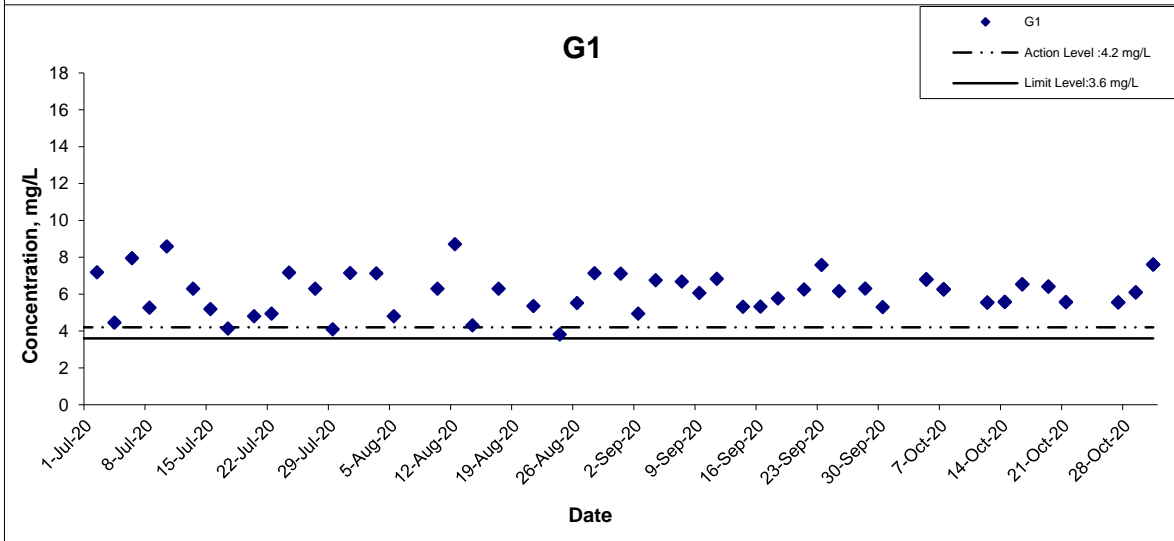
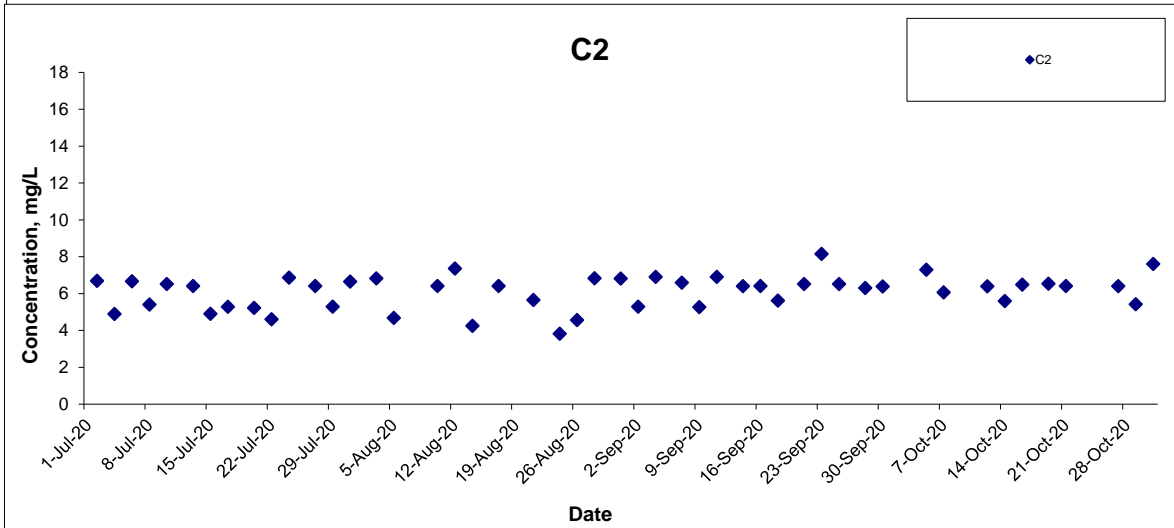
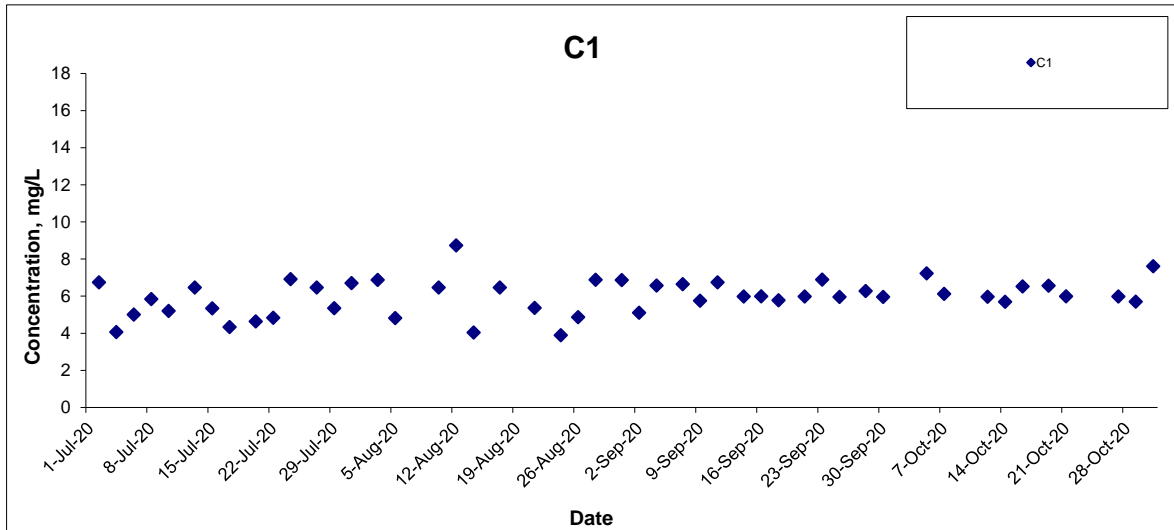


## Dissolved Oxygen (Depth-averaged) at Mid-Flood Tide



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### Dissolved Oxygen (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

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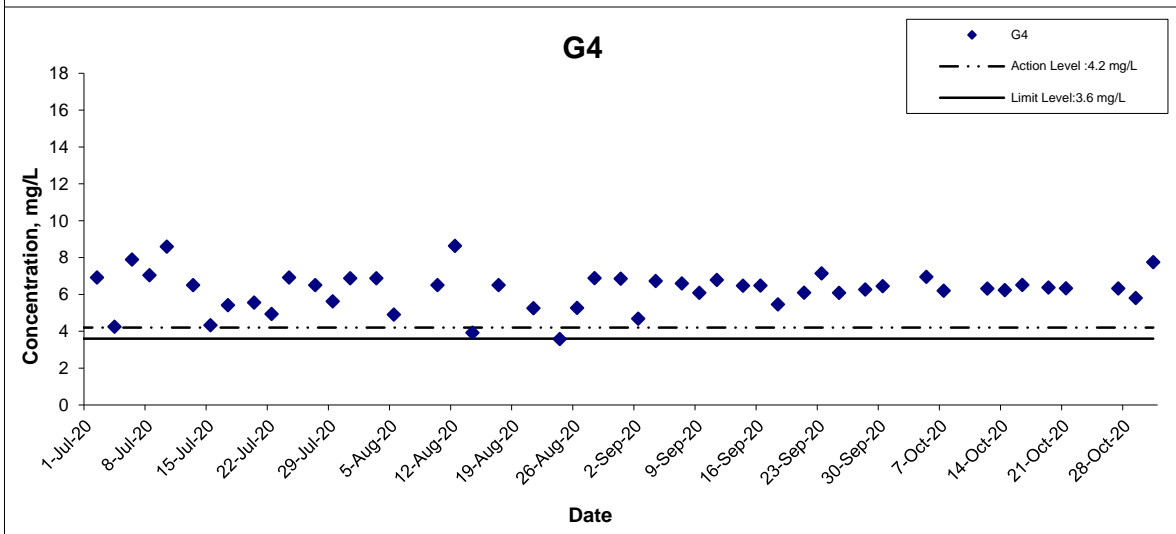
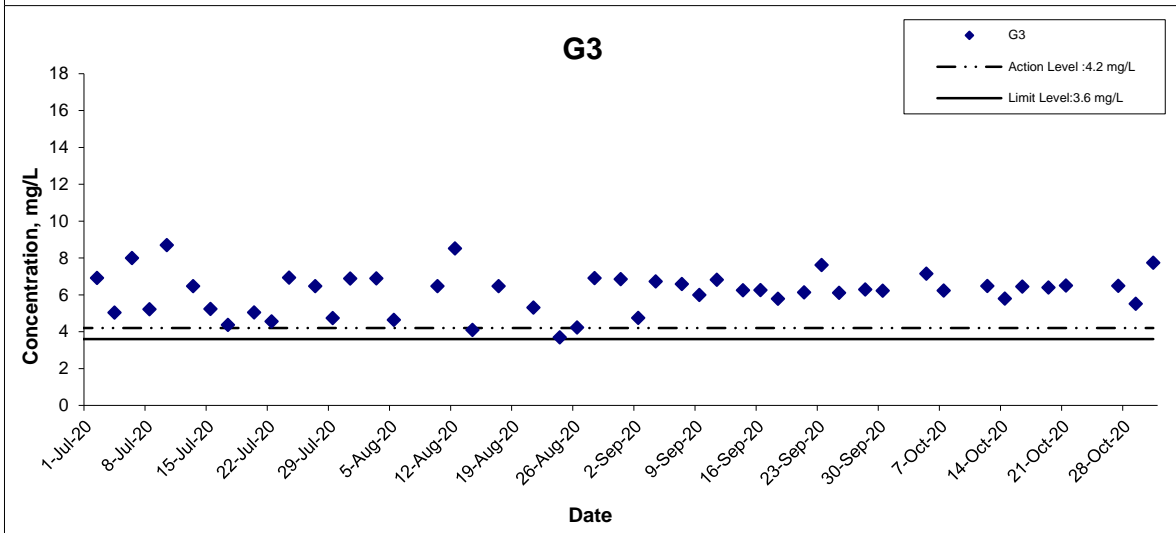
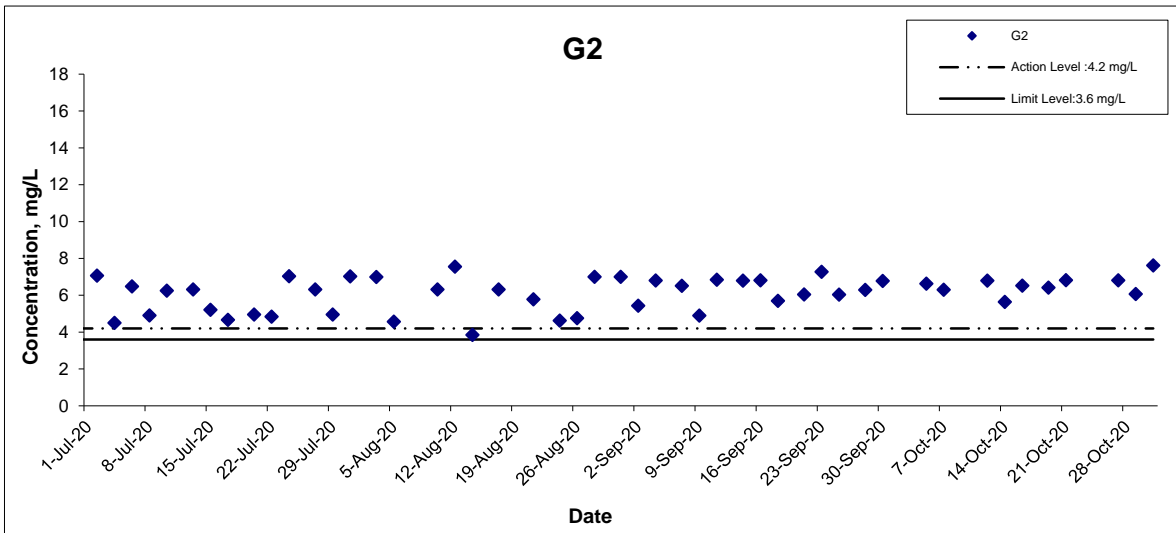
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## Dissolved Oxygen (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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Scale N.T.S

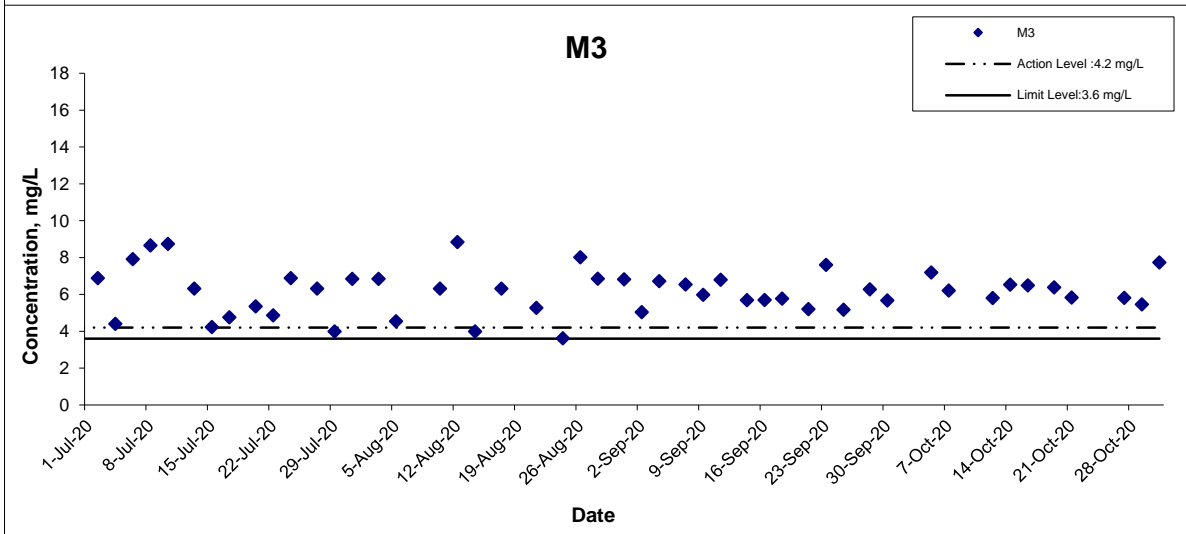
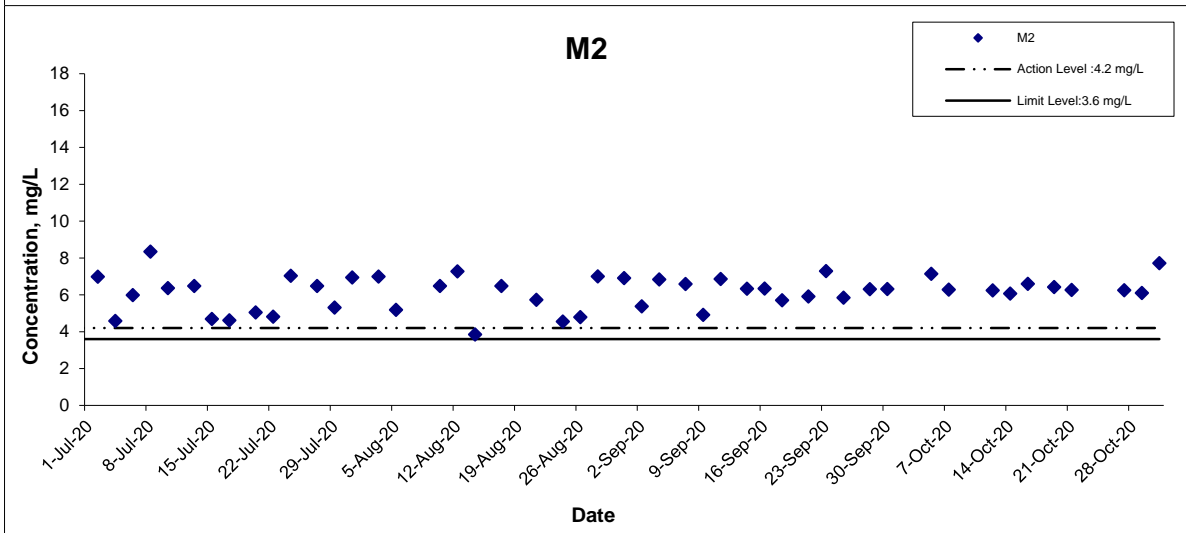
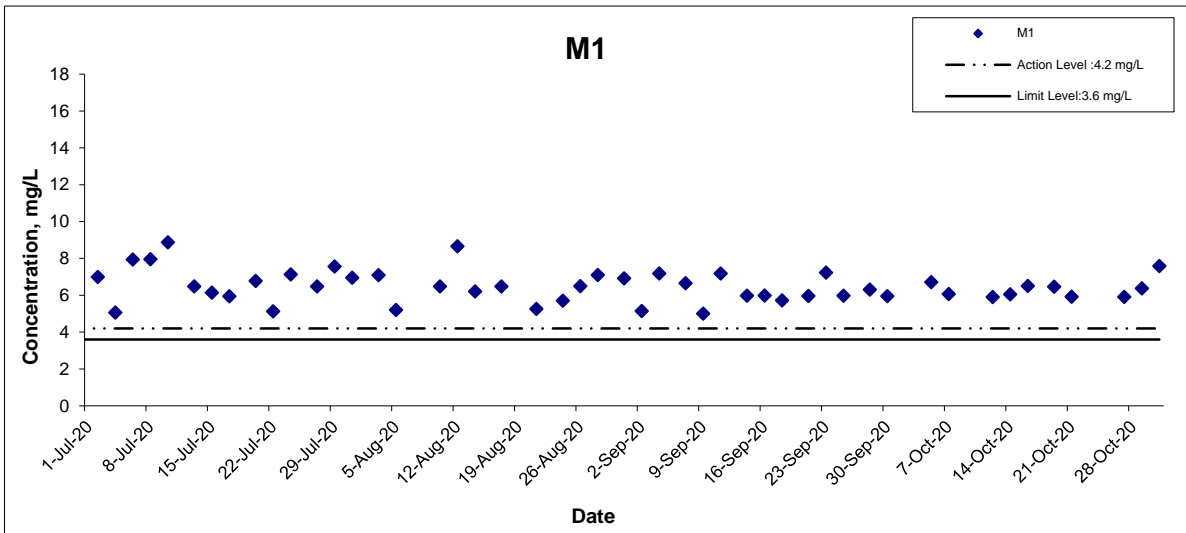
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## Dissolved Oxygen (Bottom) at Mid-Ebb Tide



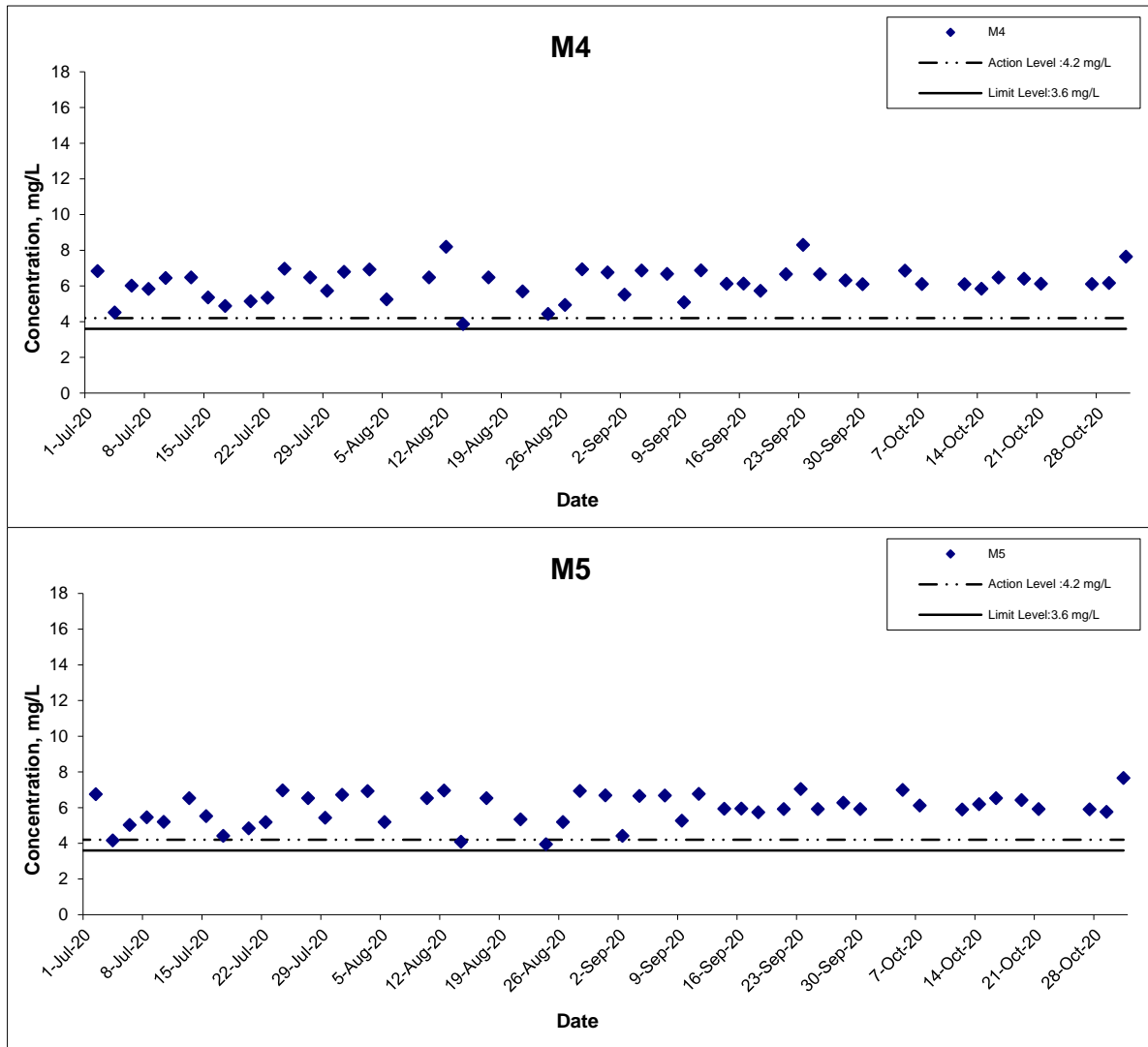
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## Dissolved Oxygen (Bottom) at Mid-Ebb Tide



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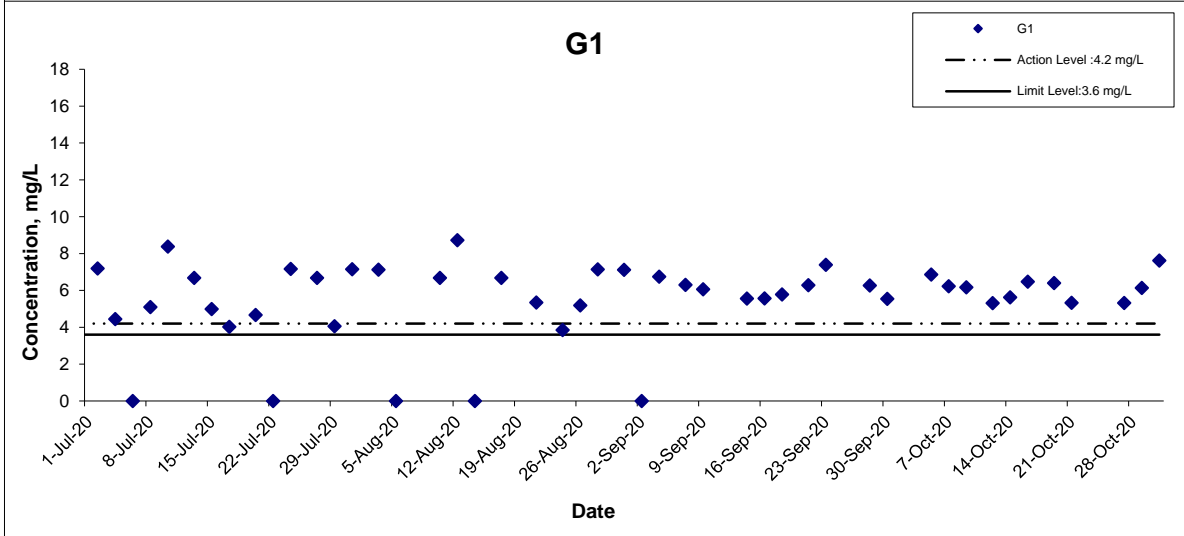
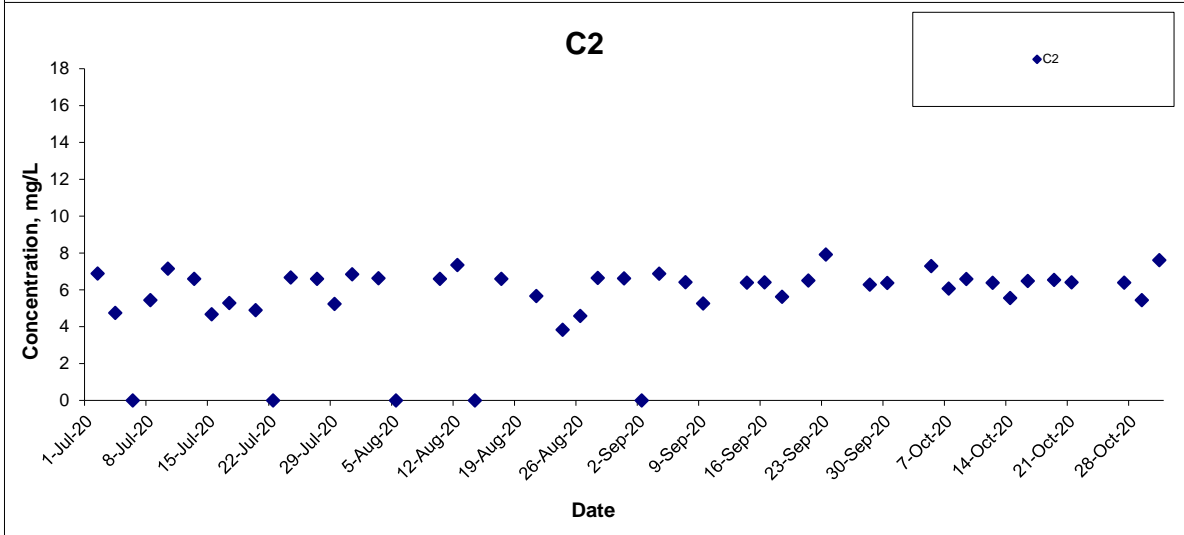
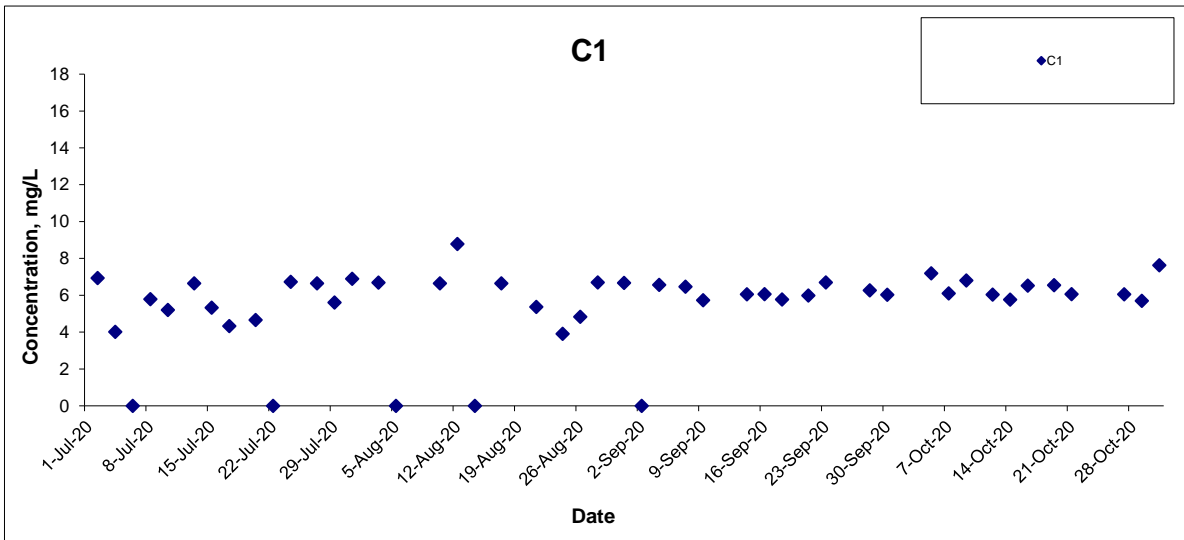
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## Dissolved Oxygen (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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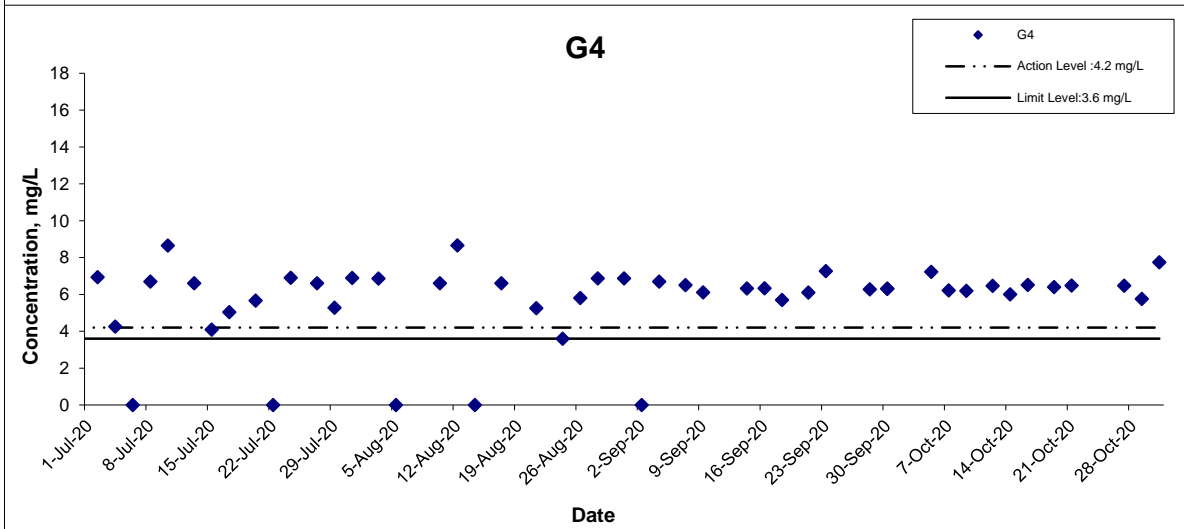
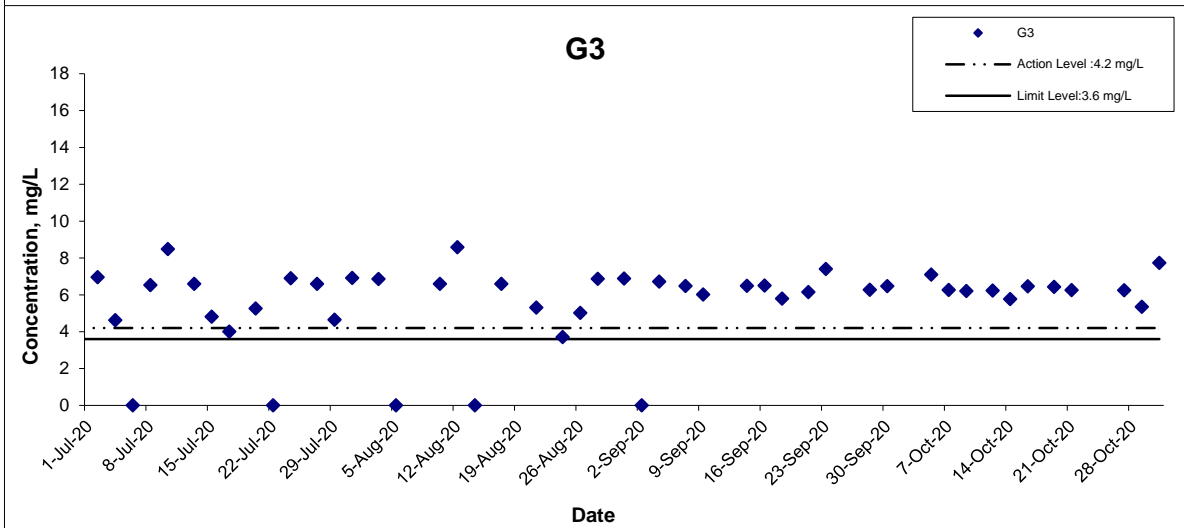
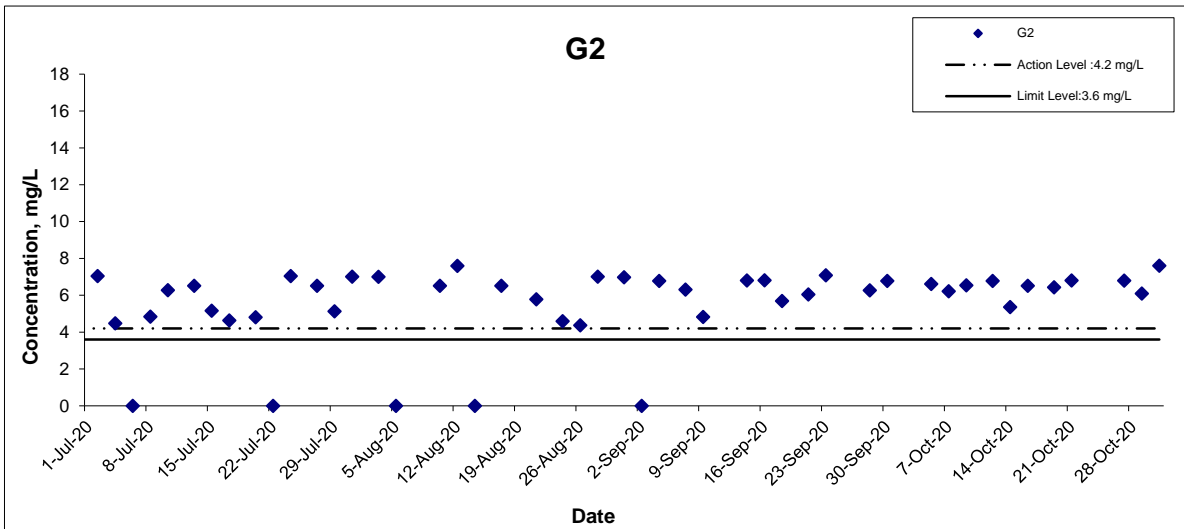
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## Dissolved Oxygen (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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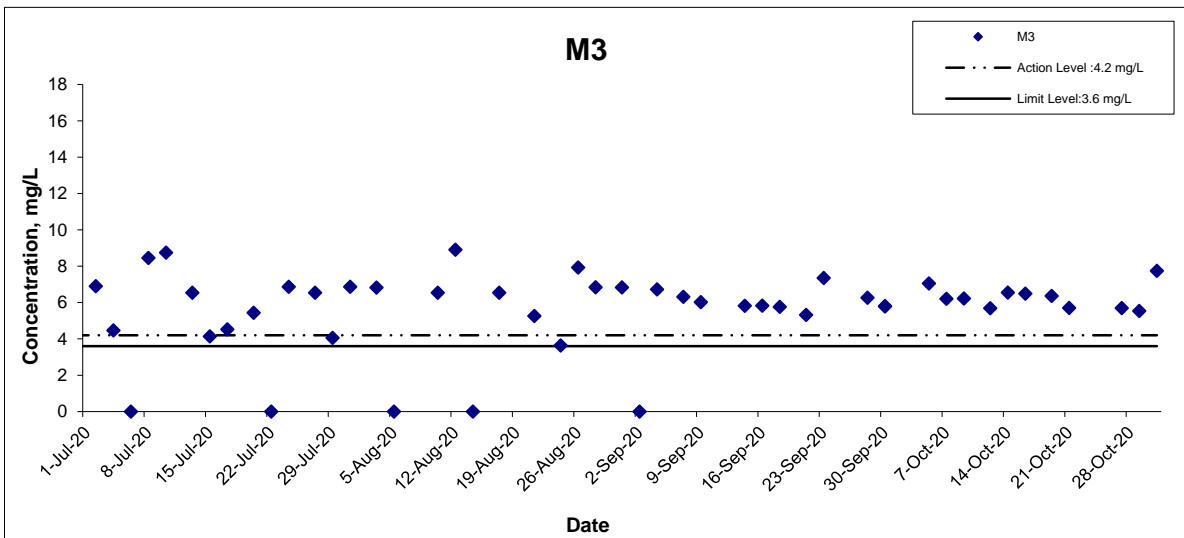
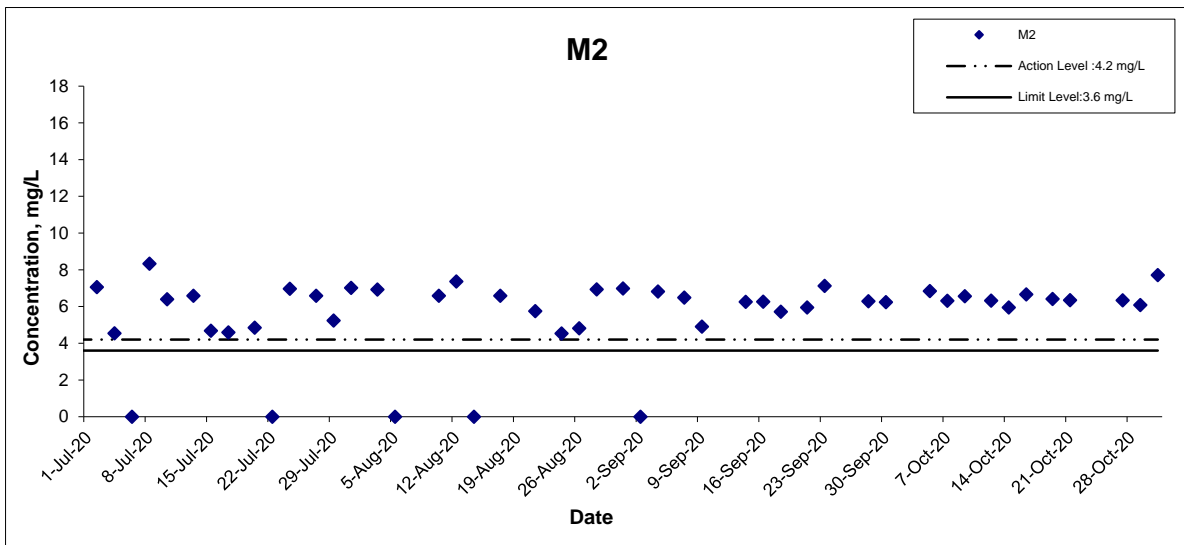
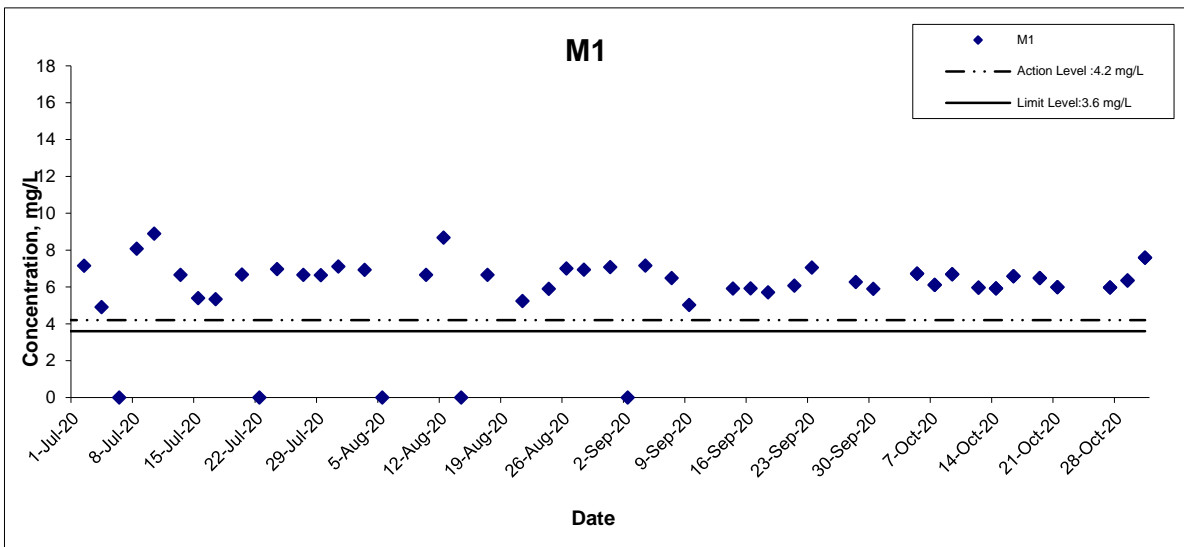
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## Dissolved Oxygen (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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Scale N.T.S

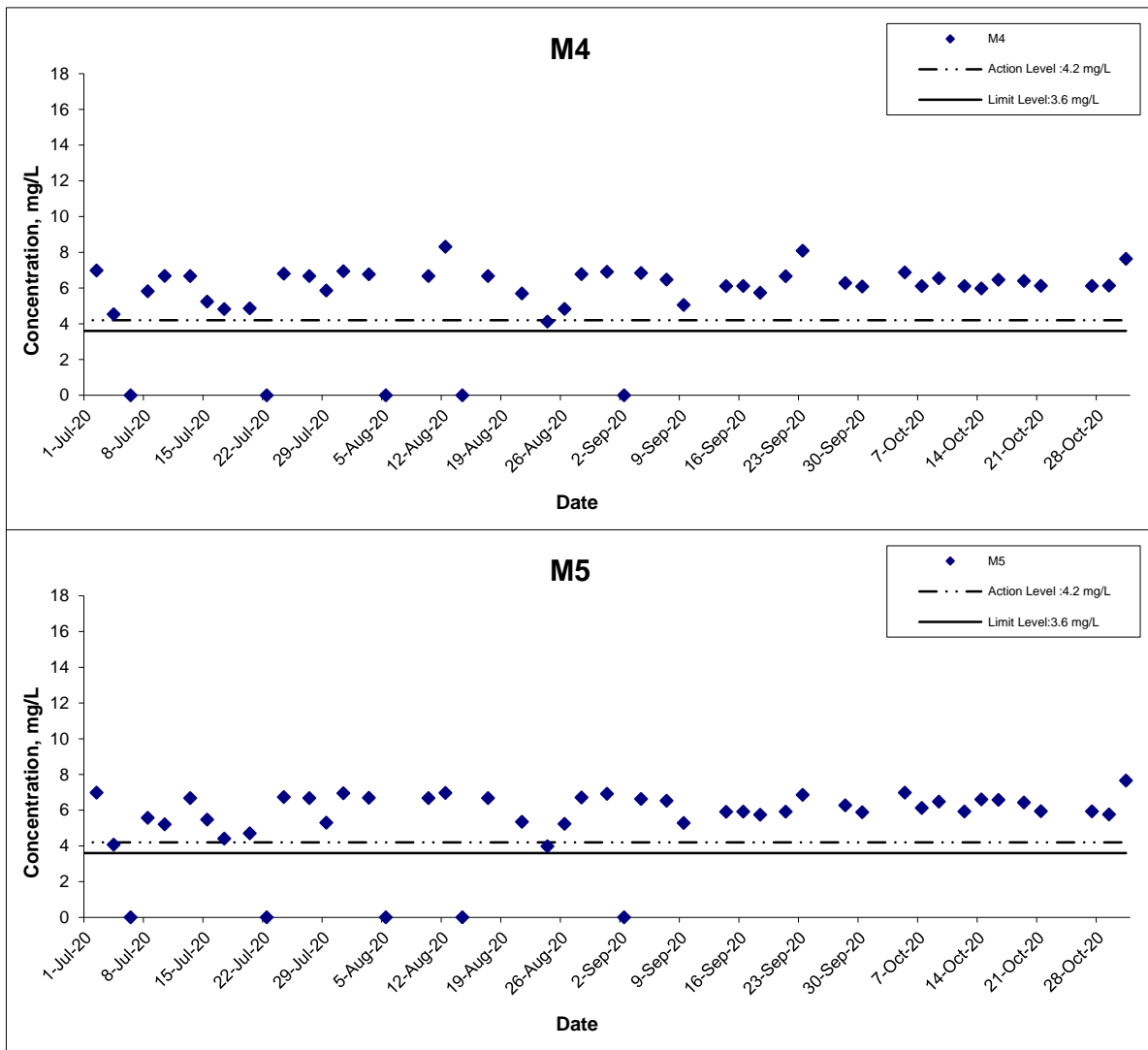
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**CINOTECH**

## Dissolved Oxygen (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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Scale N.T.S

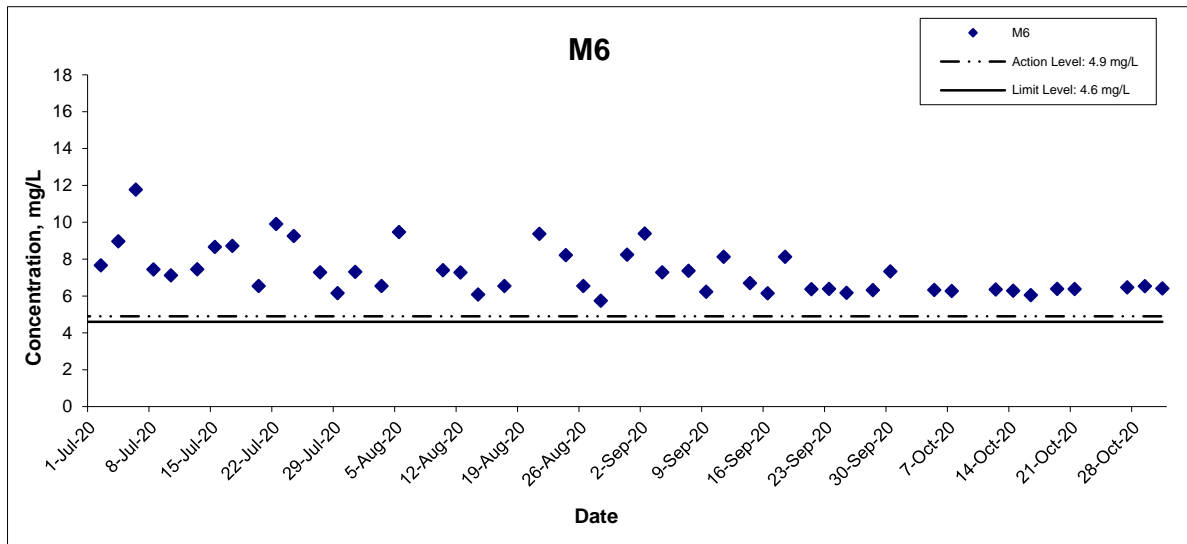
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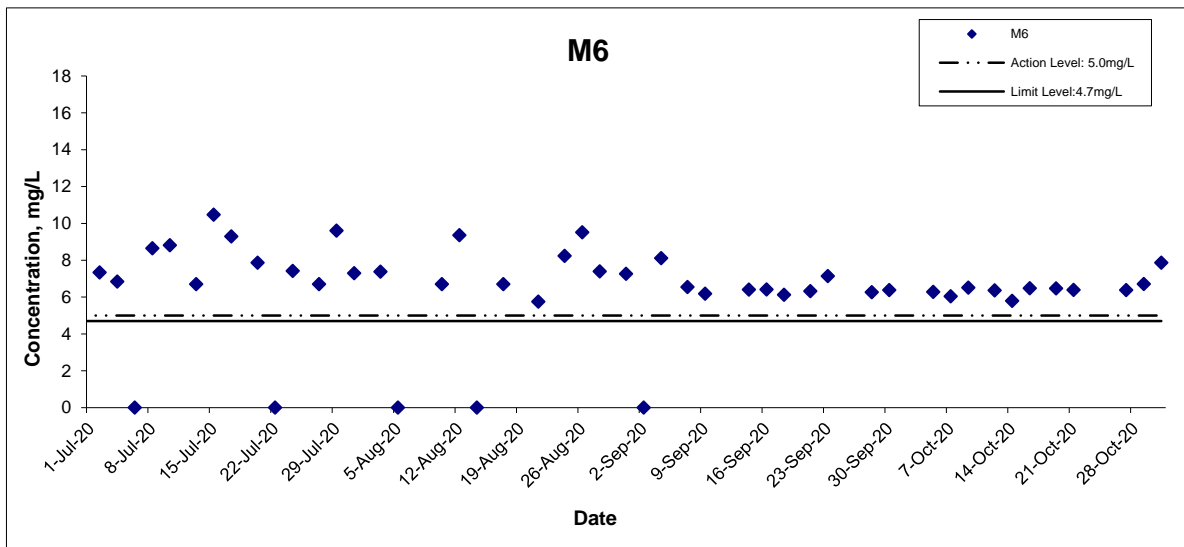


## Dissolved Oxygen (Intake Level of WSD Salt Water Intake) at Mid-Ebb Tide



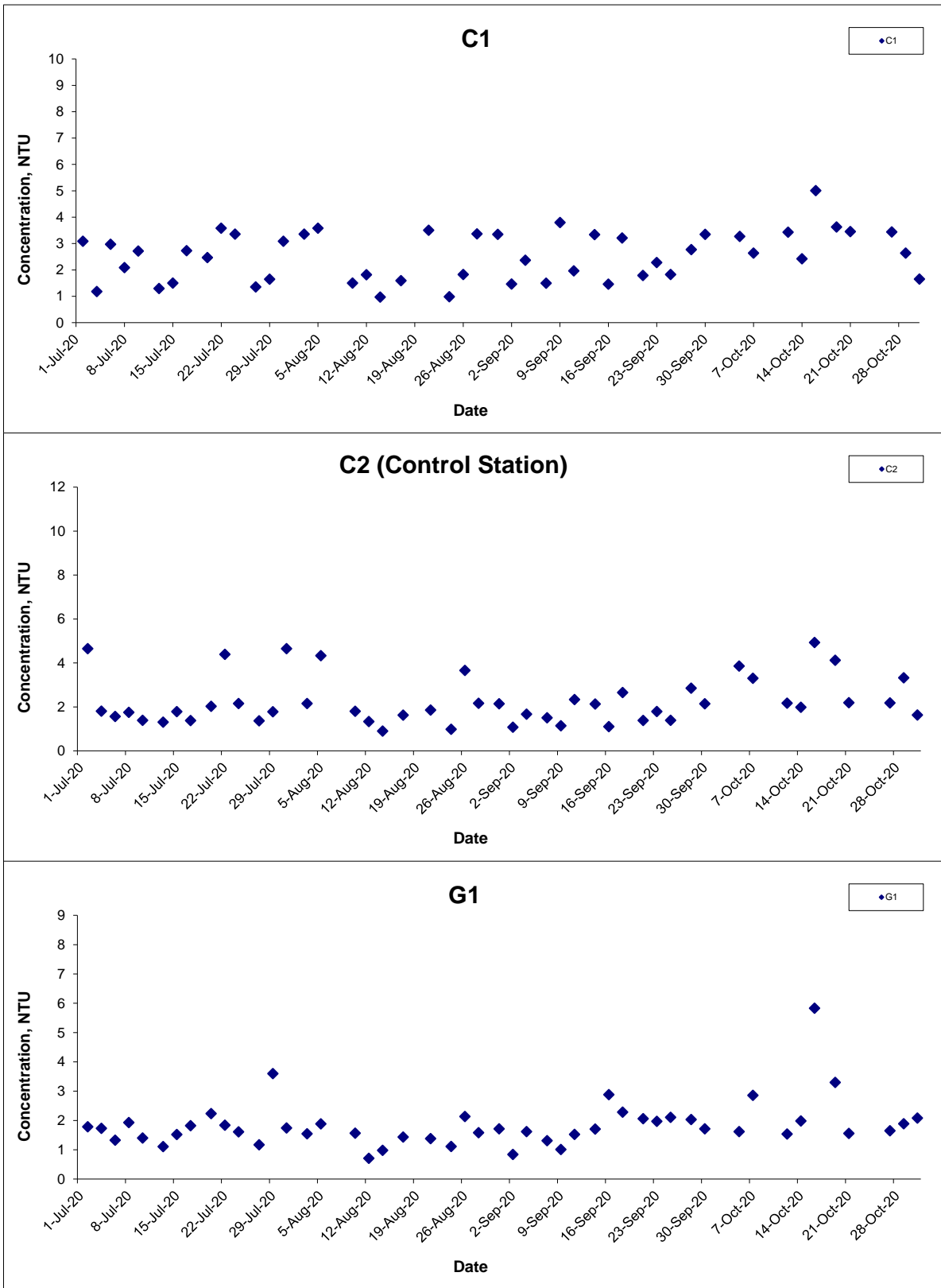
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## Dissolved Oxygen (Intake Level of WSD Salt Water Intake) at Mid-Flood Tide



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### Turbidity (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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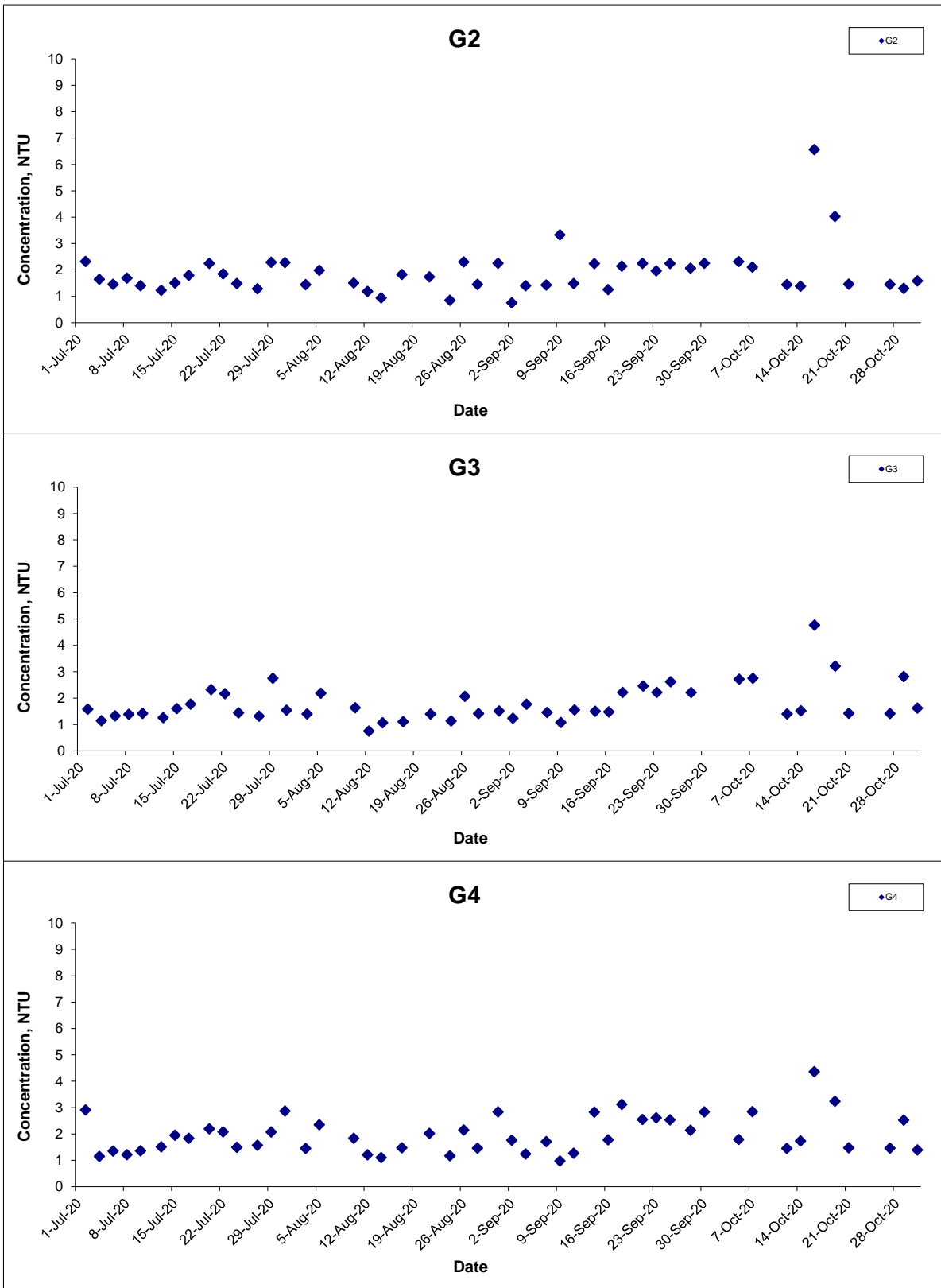
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## Turbidity (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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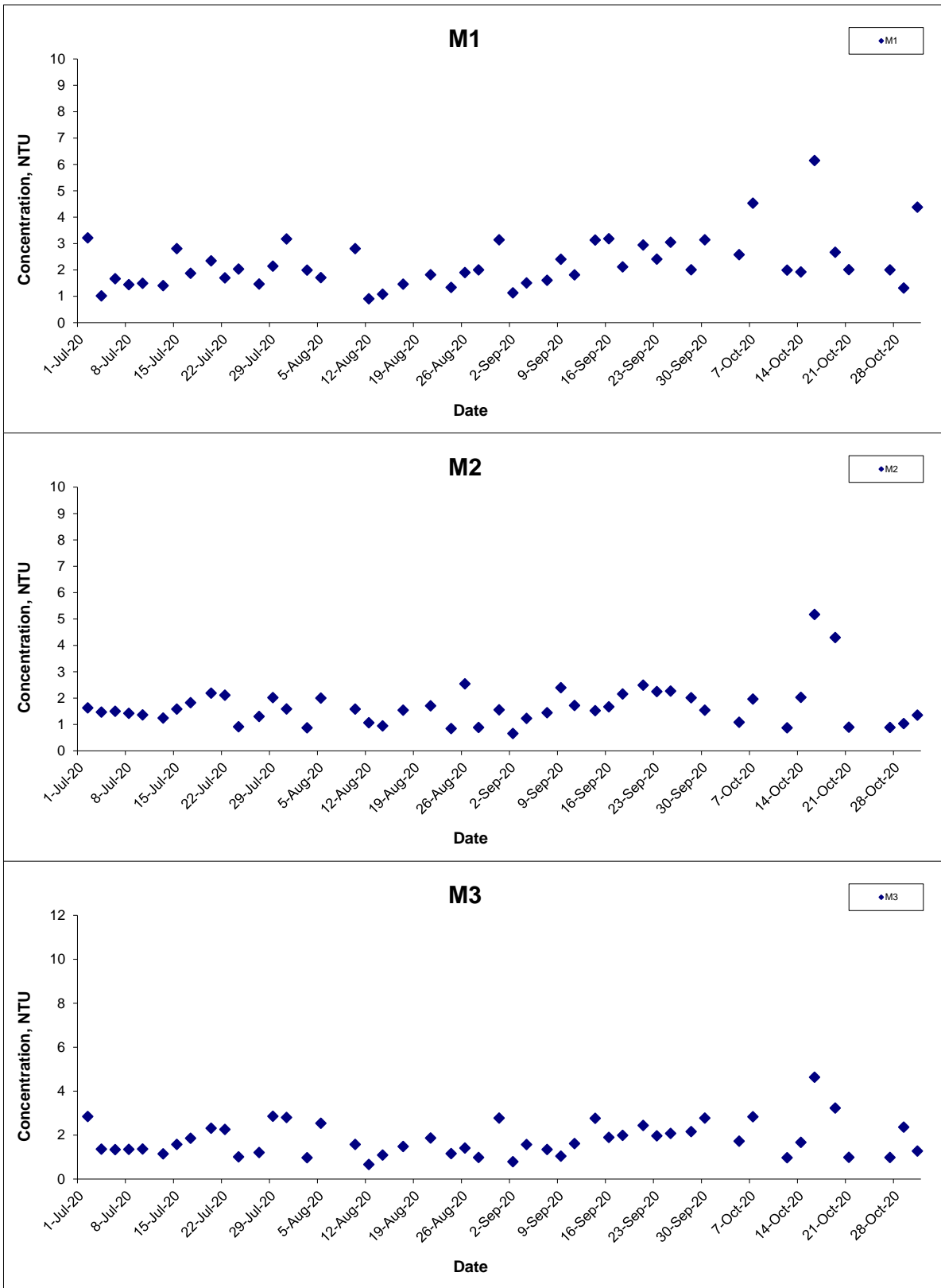
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### Turbidity (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

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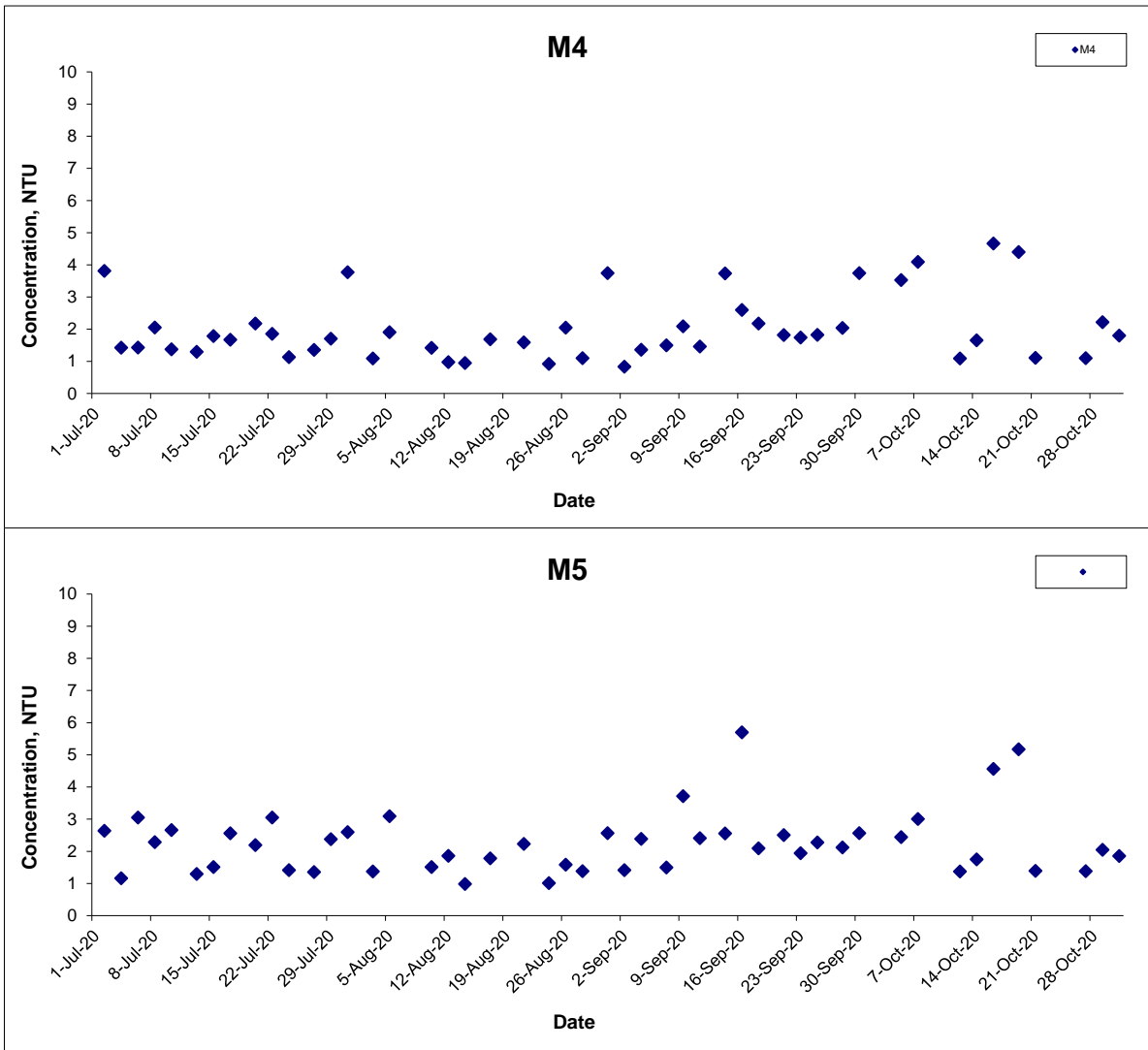
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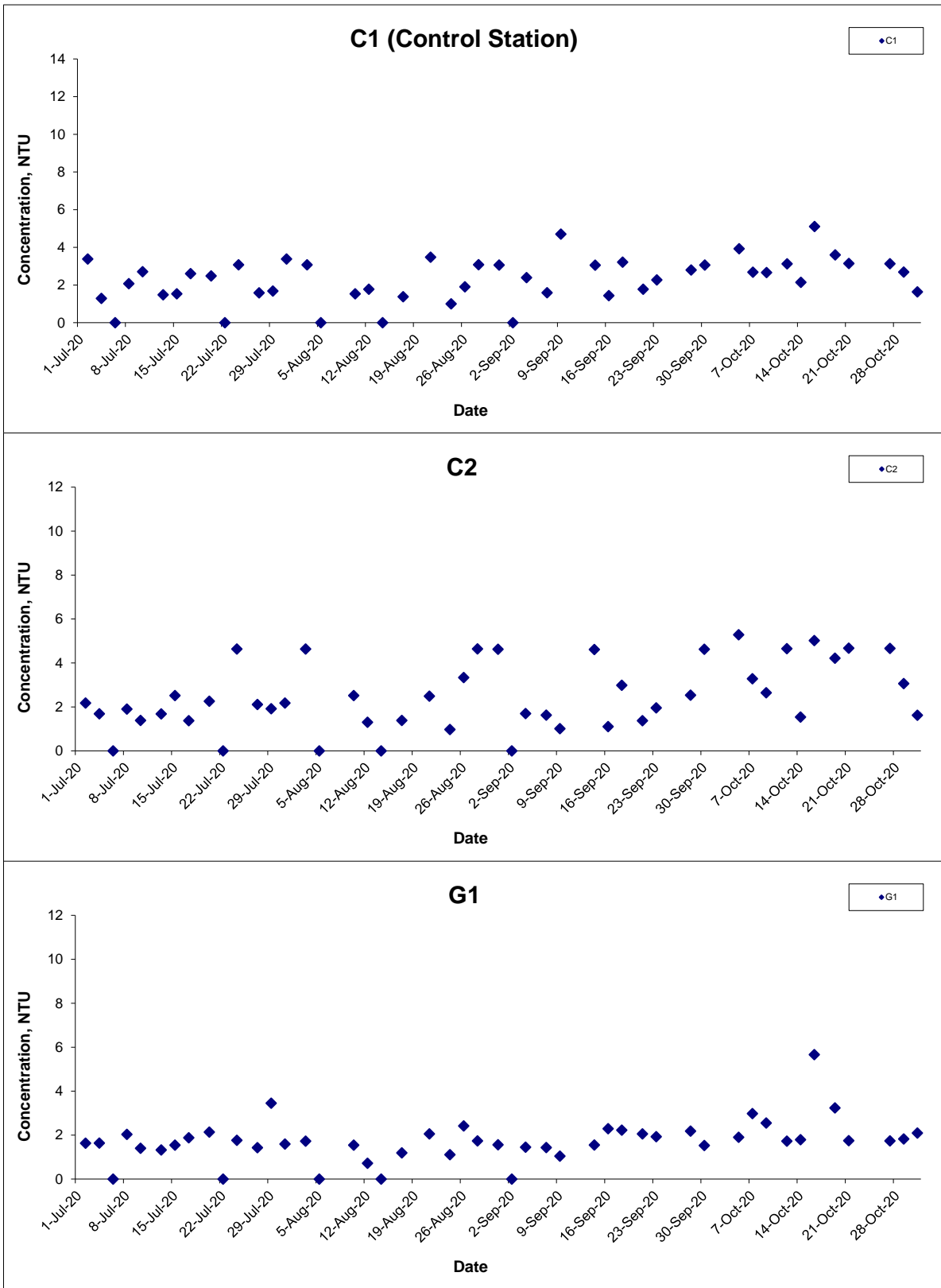


### Turbidity (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	
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## Turbidity (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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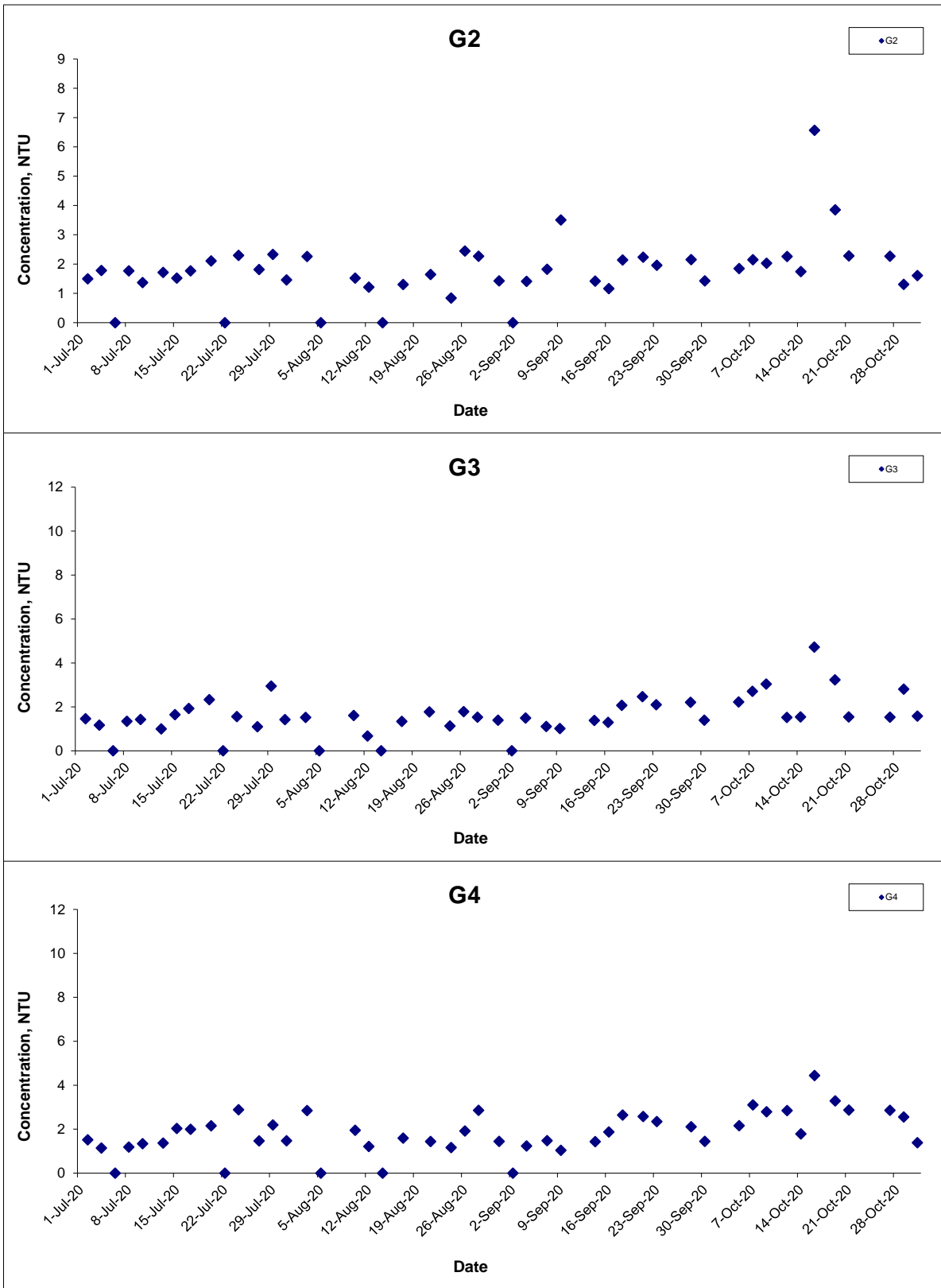
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## Turbidity (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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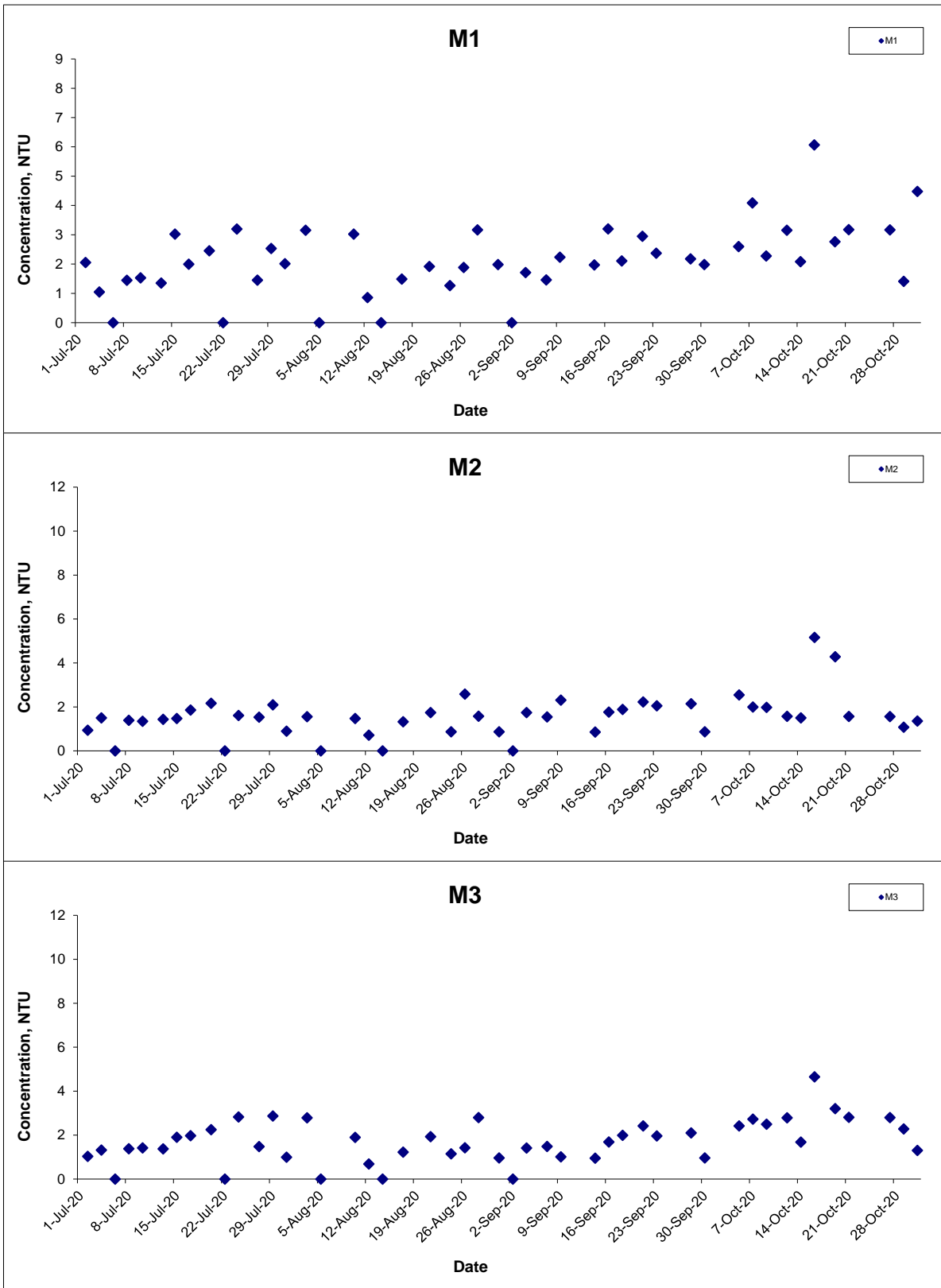
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## Turbidity (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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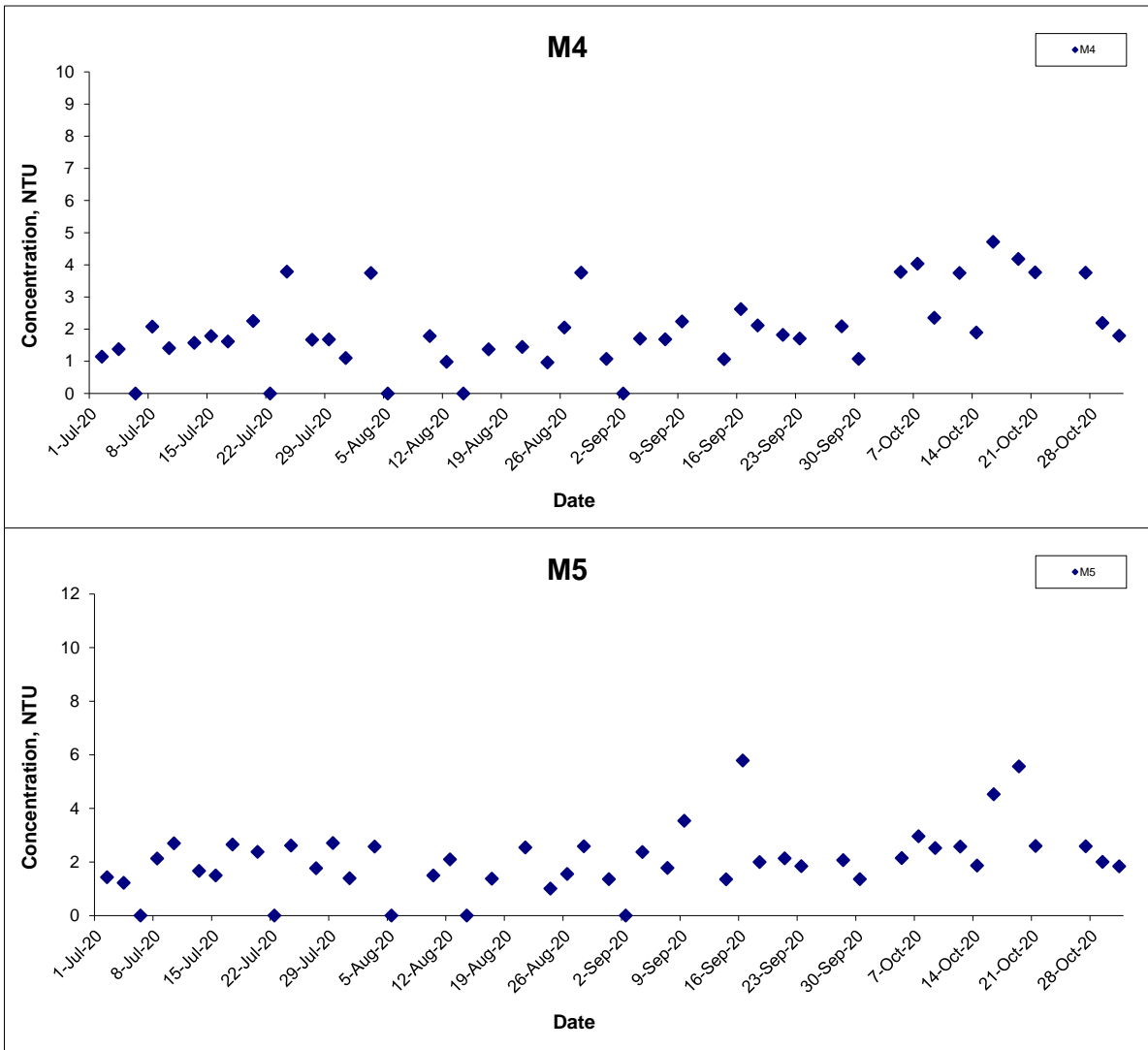
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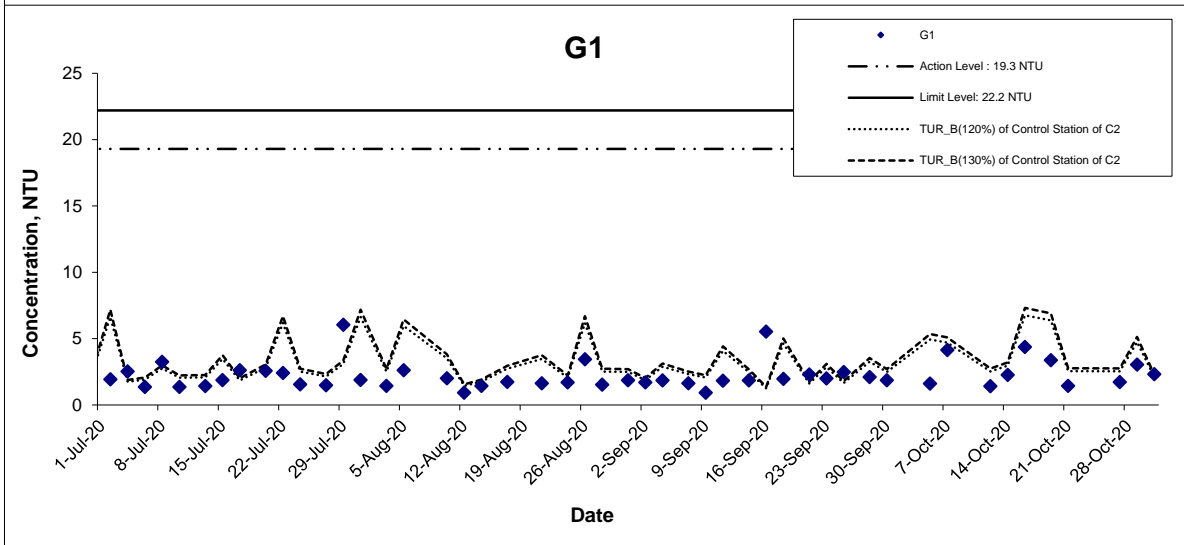
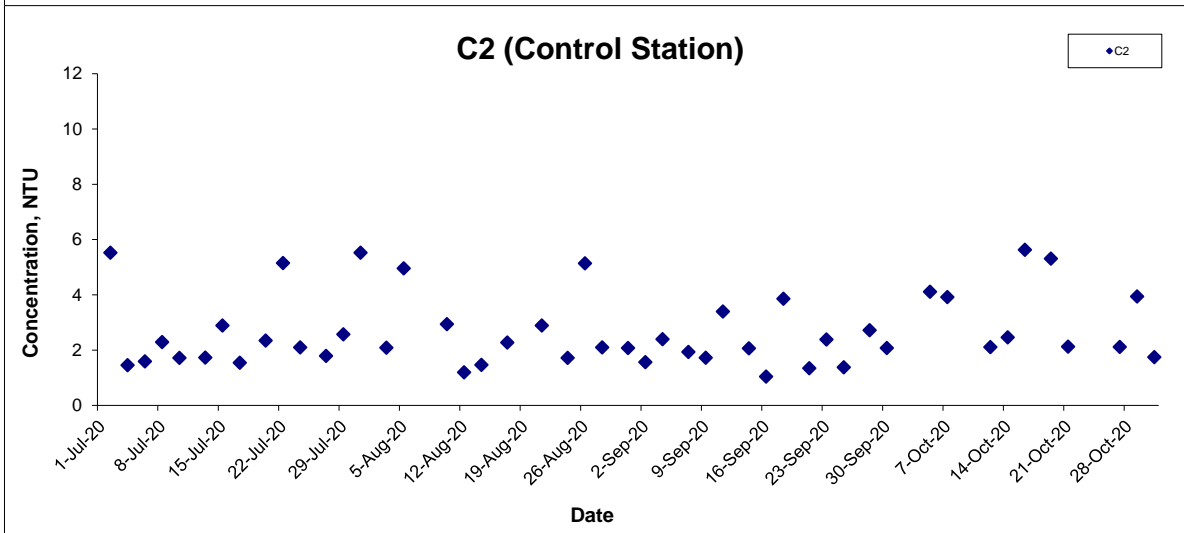
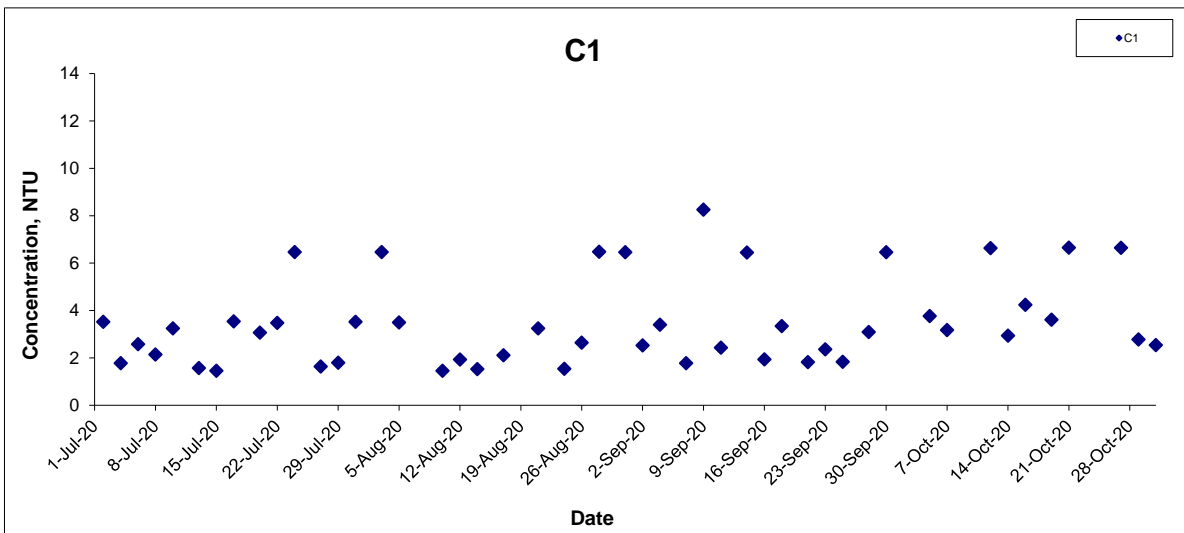


## Turbidity (Depth-averaged) at Mid-Flood Tide



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### Turbidity (Bottom) at Mid-Ebb Tide



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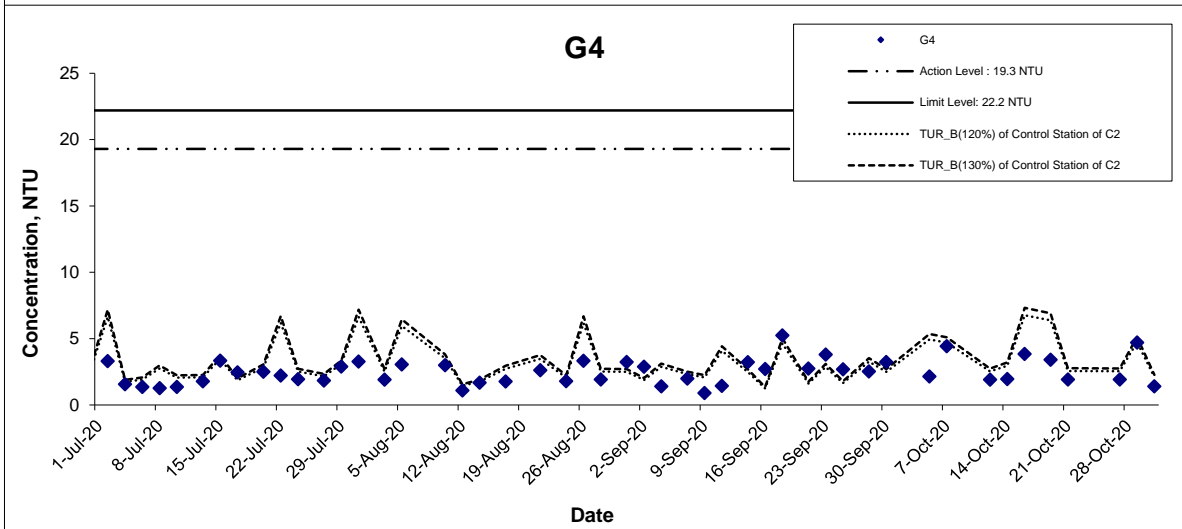
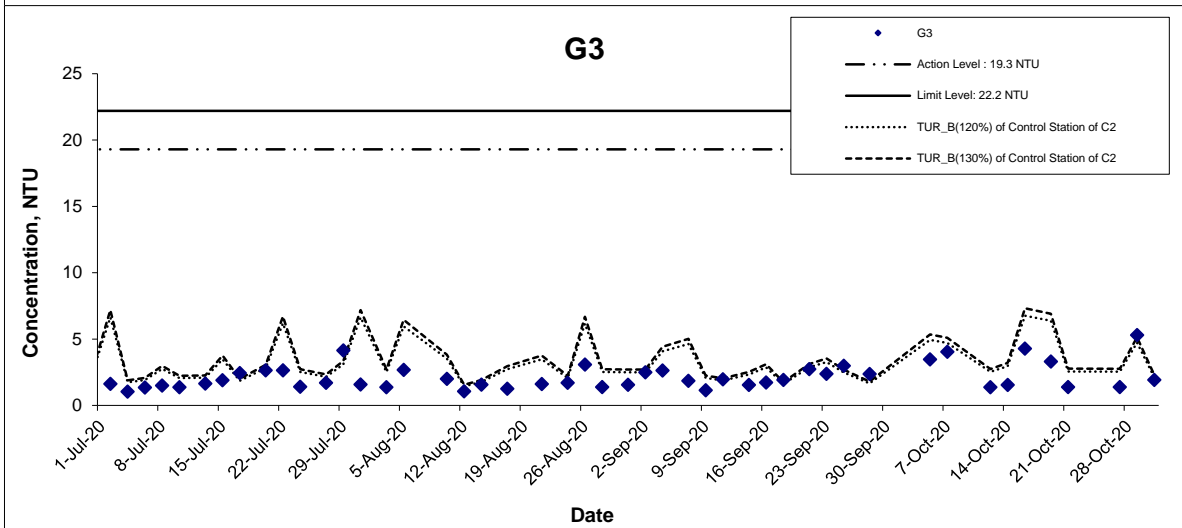
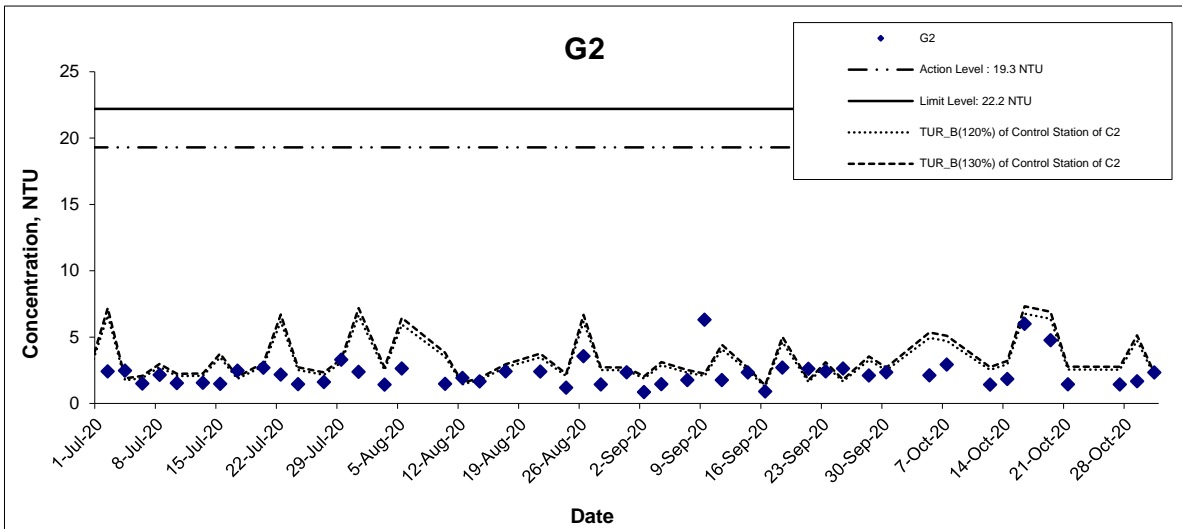
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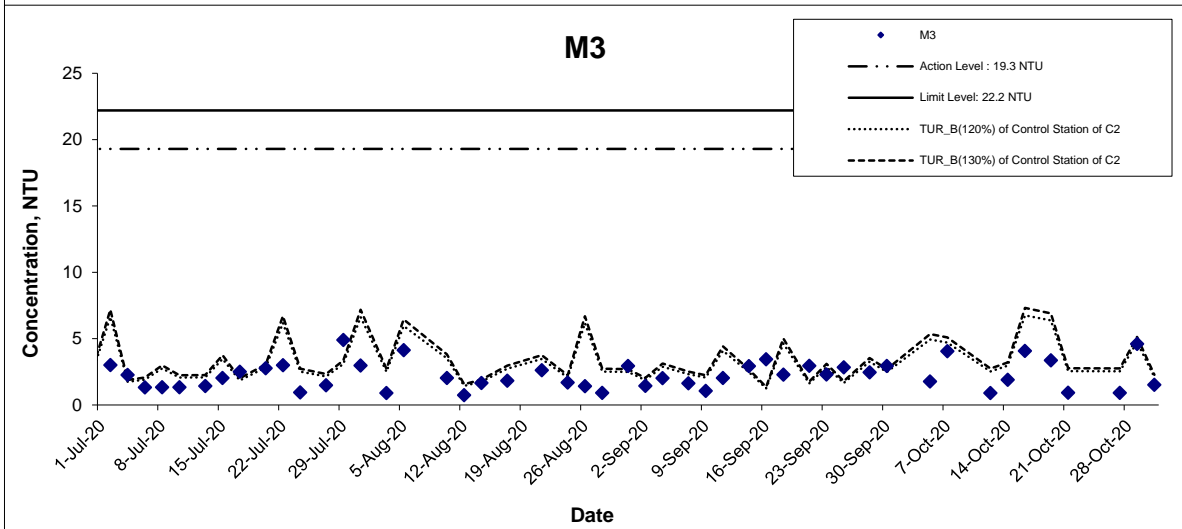
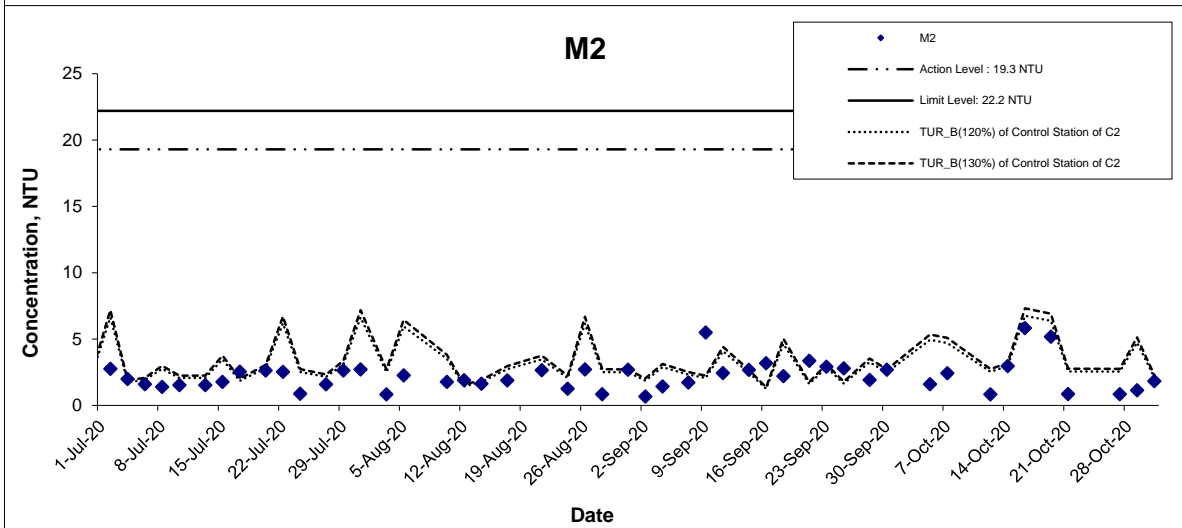
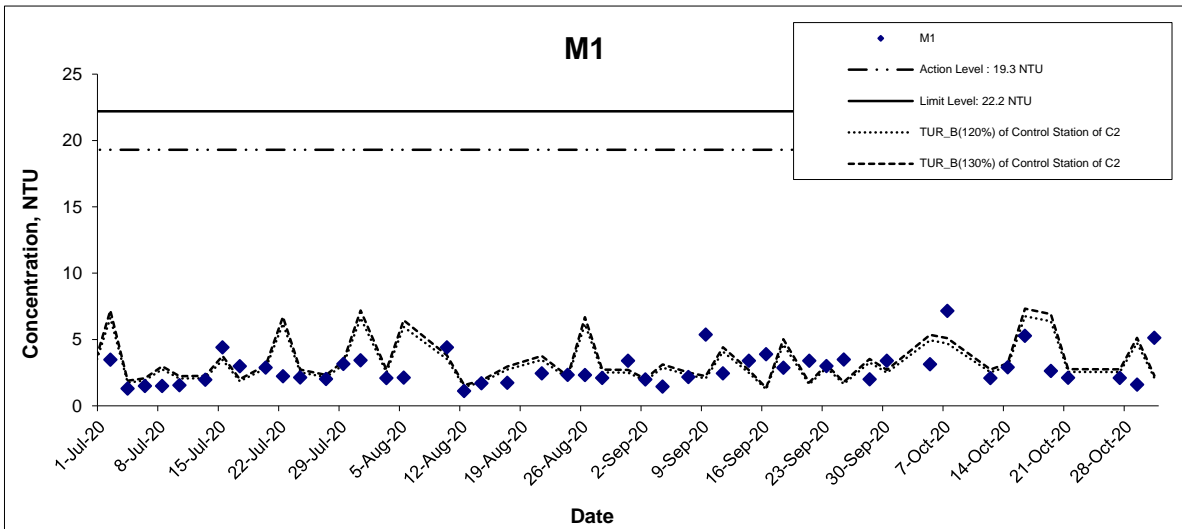


### Turbidity (Bottom) at Mid-Ebb Tide



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### Turbidity (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

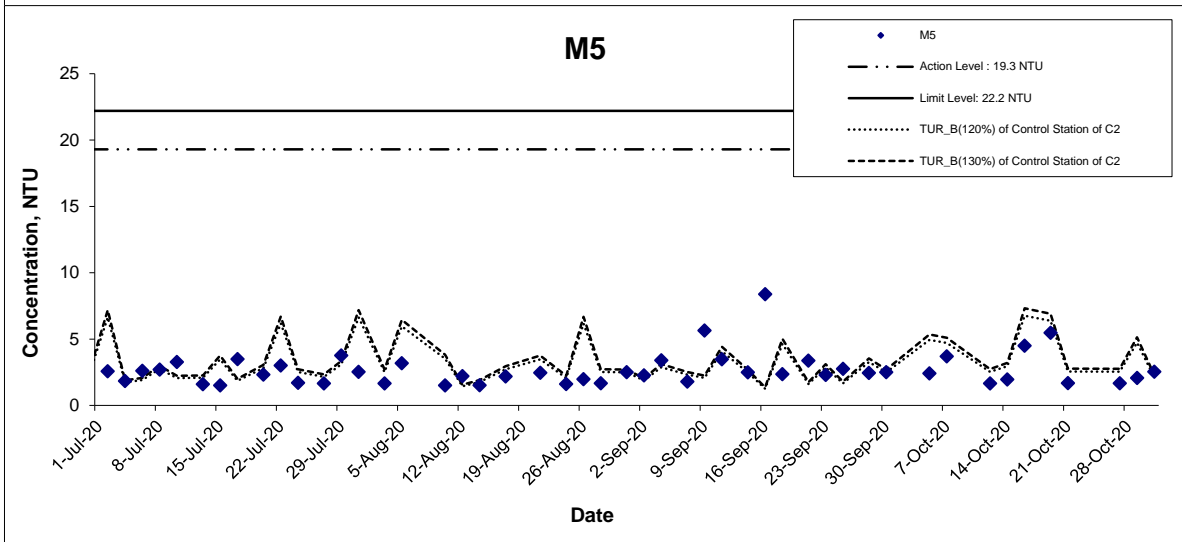
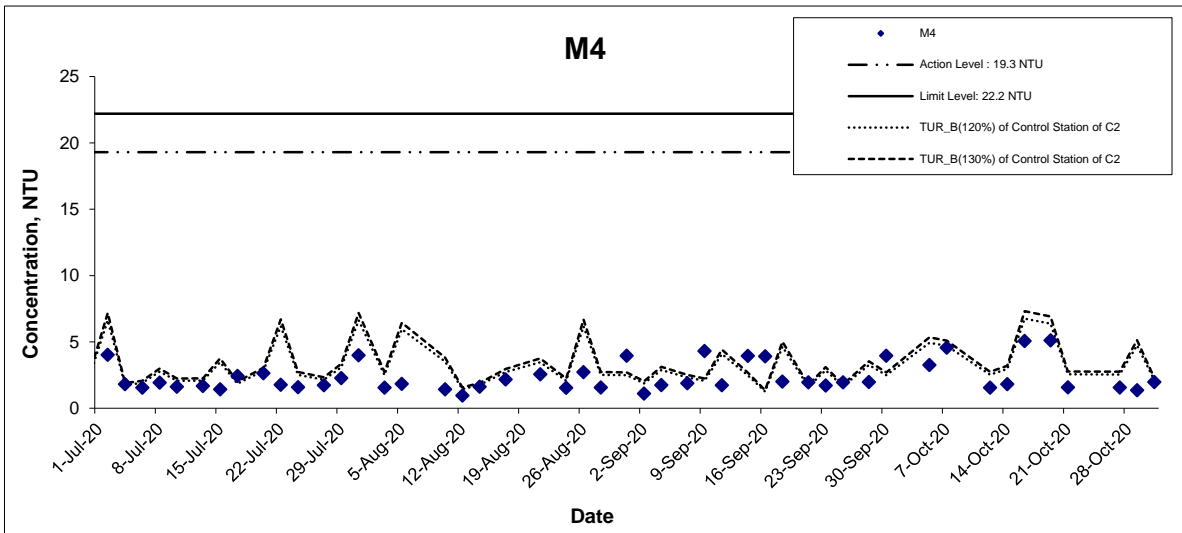
Date Oct 20

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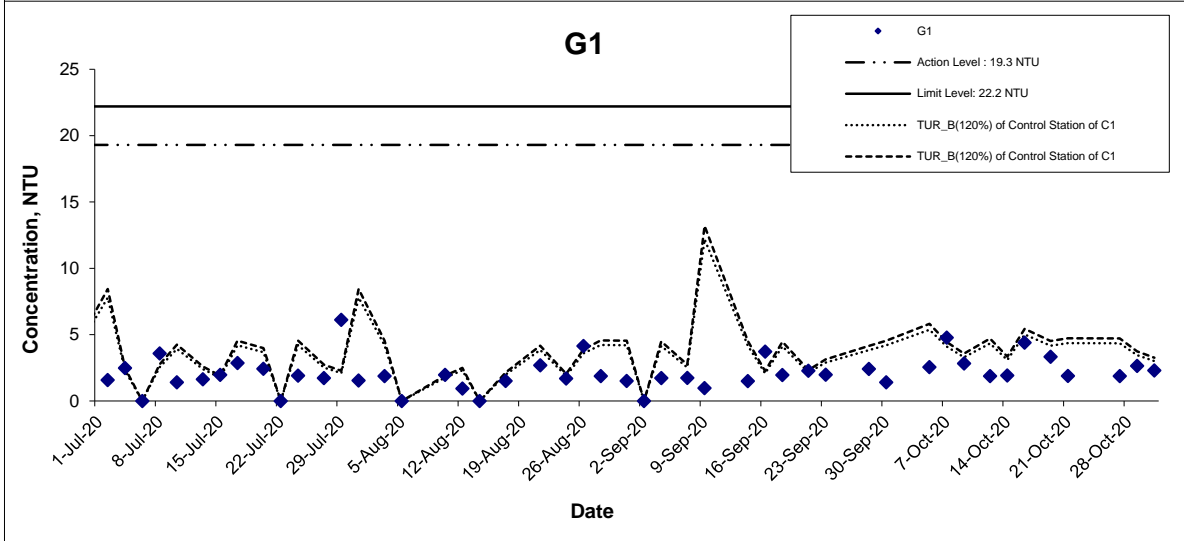
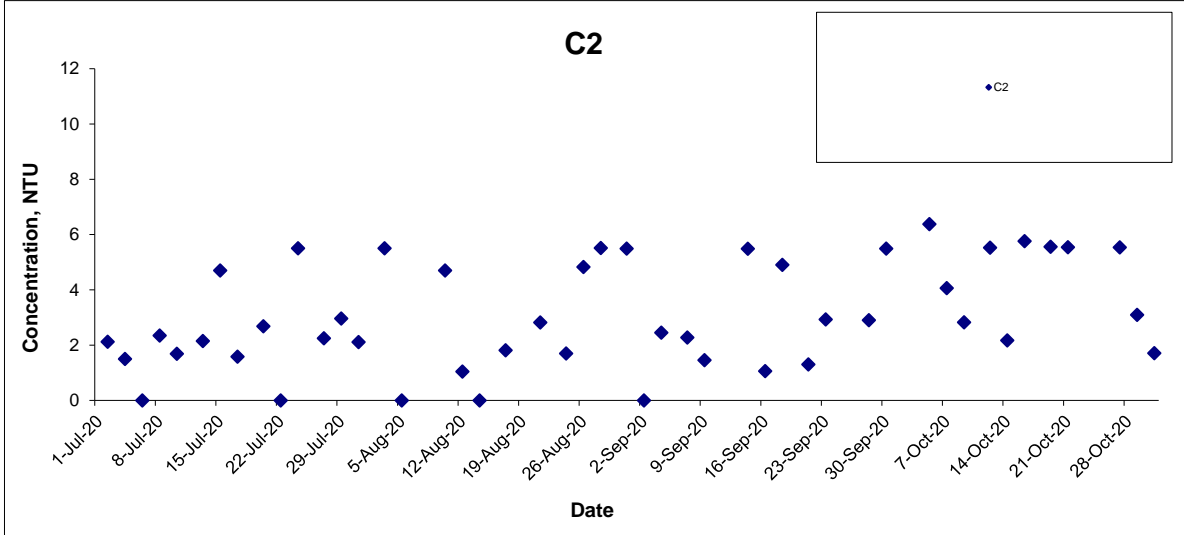
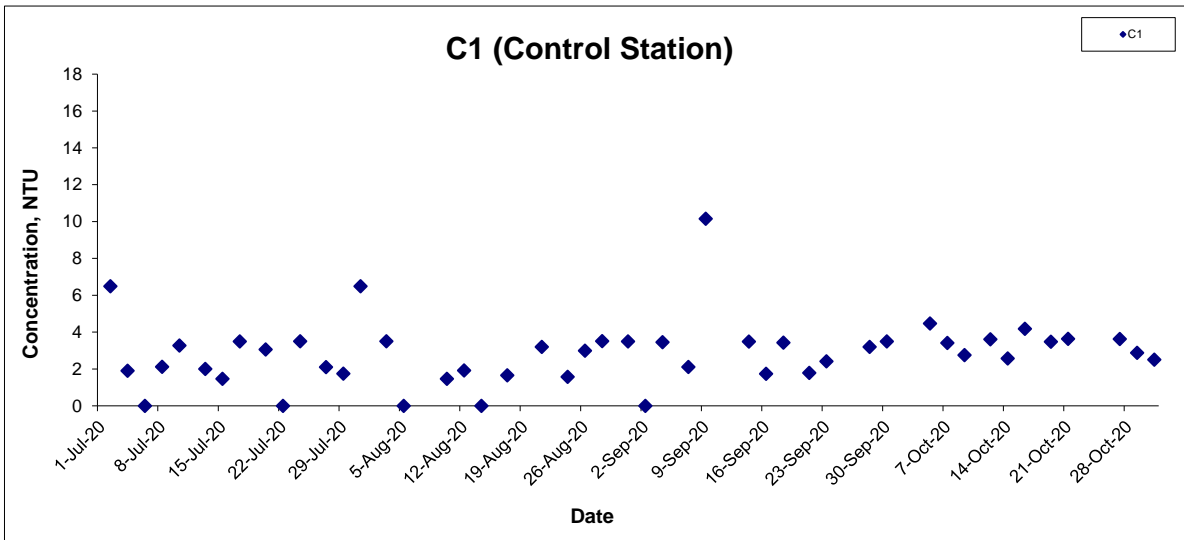


### Turbidity (Bottom) at Mid-Ebb Tide



Title	Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction	Scale	N.T.S	Project No.	MA16034	<b>CINOTECH</b>
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### Turbidity (Bottom) at Mid-Flood Tide



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Scale N.T.S

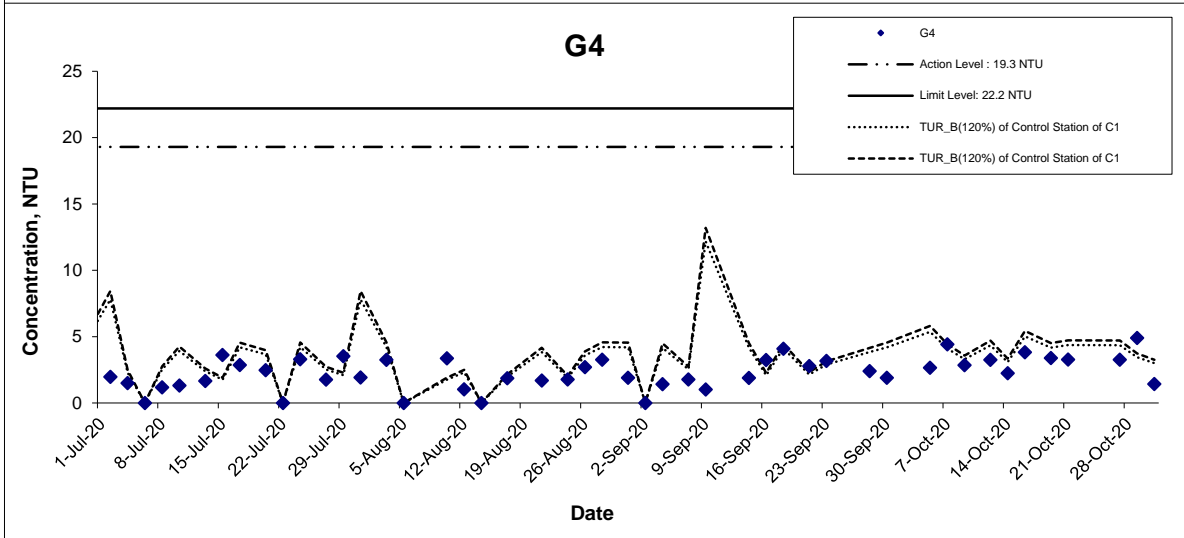
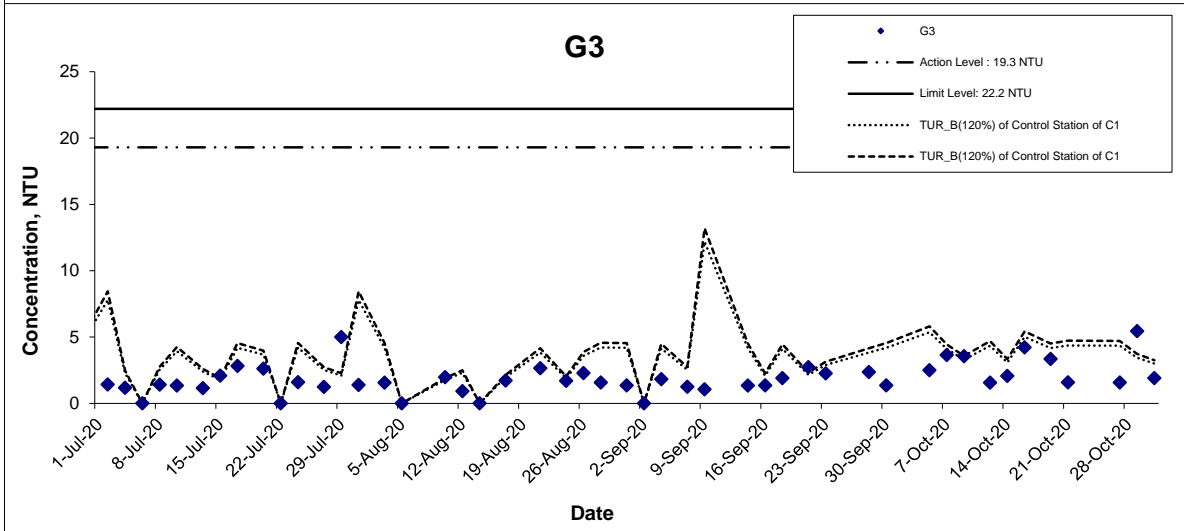
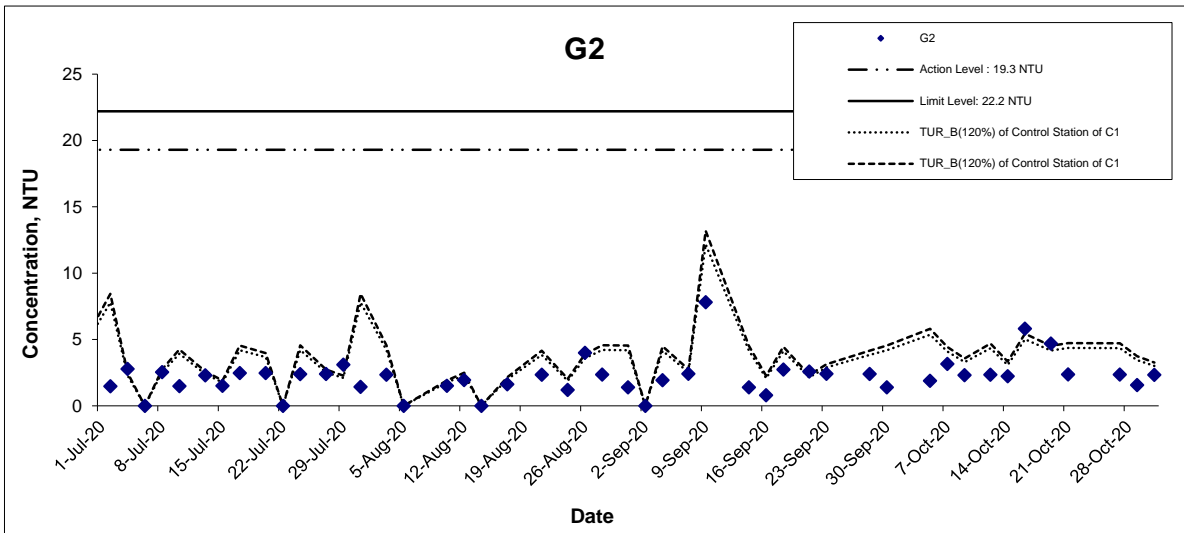
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## Turbidity (Bottom) at Mid-Flood Tide



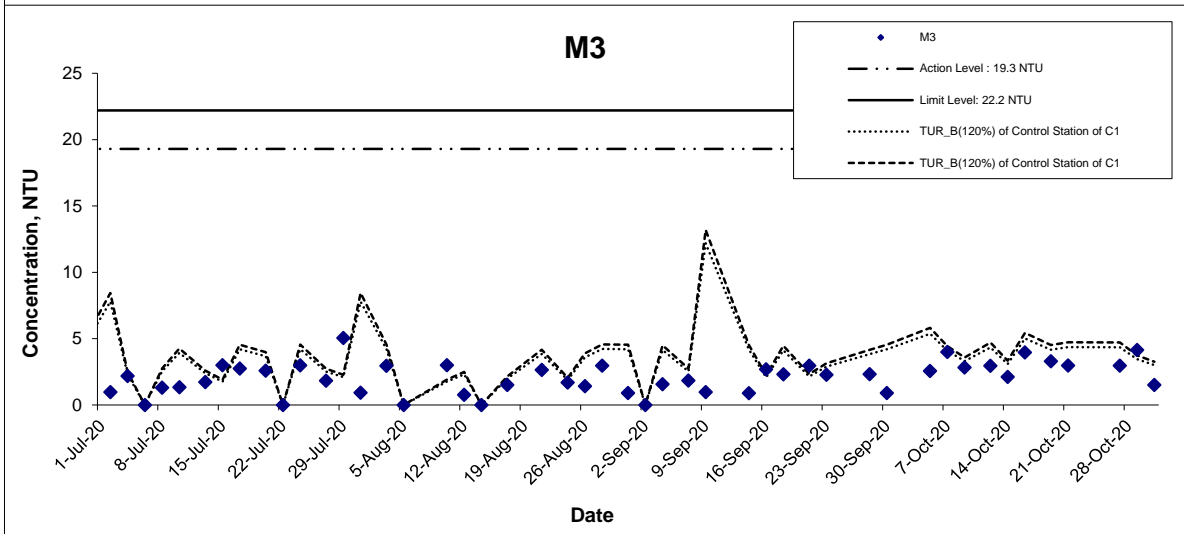
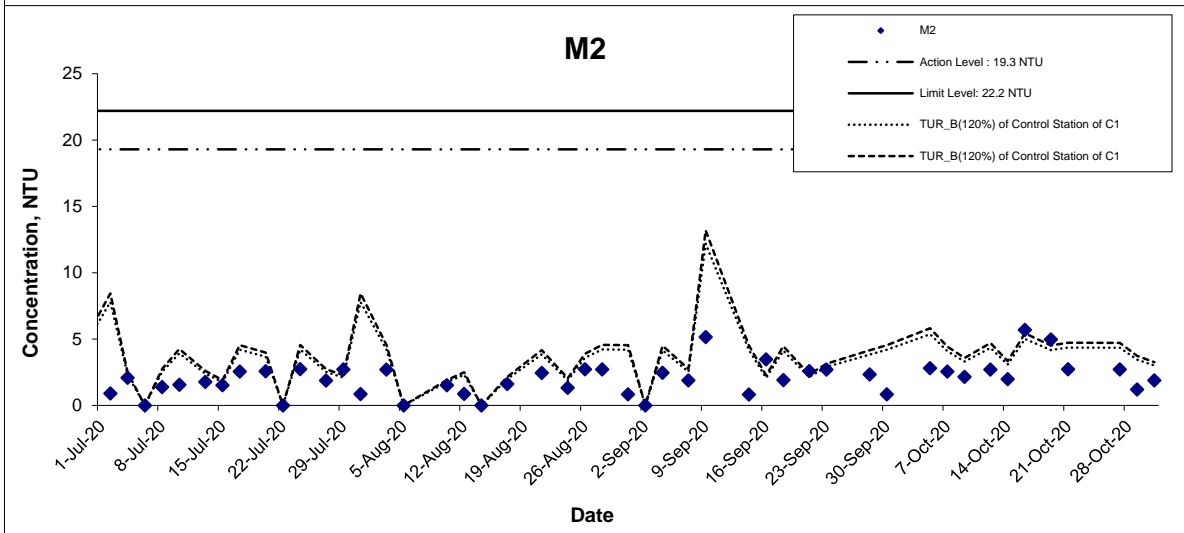
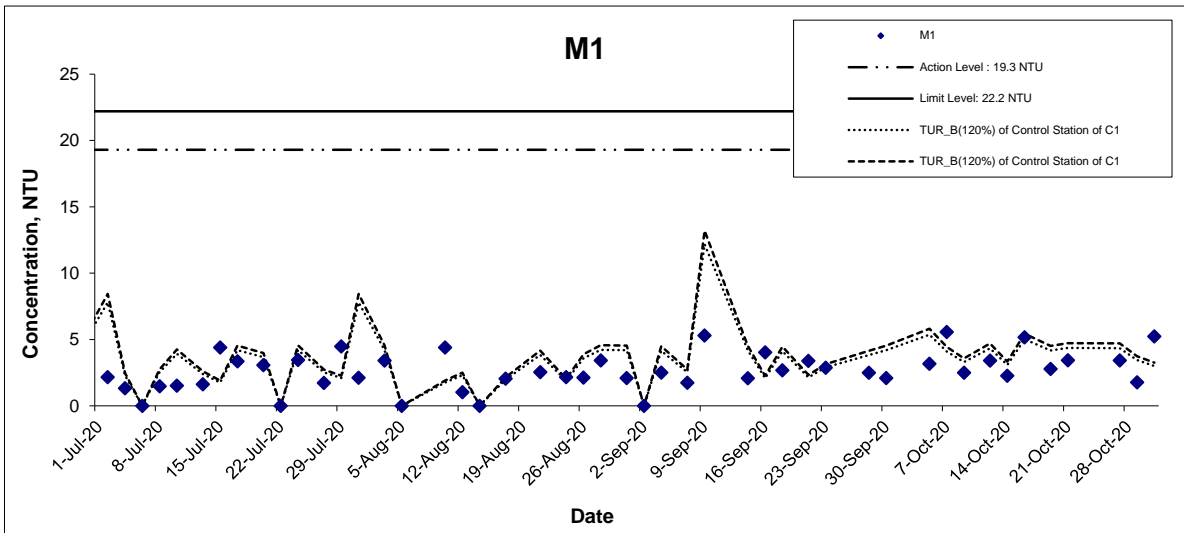
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### Turbidity (Bottom) at Mid-Flood Tide



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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

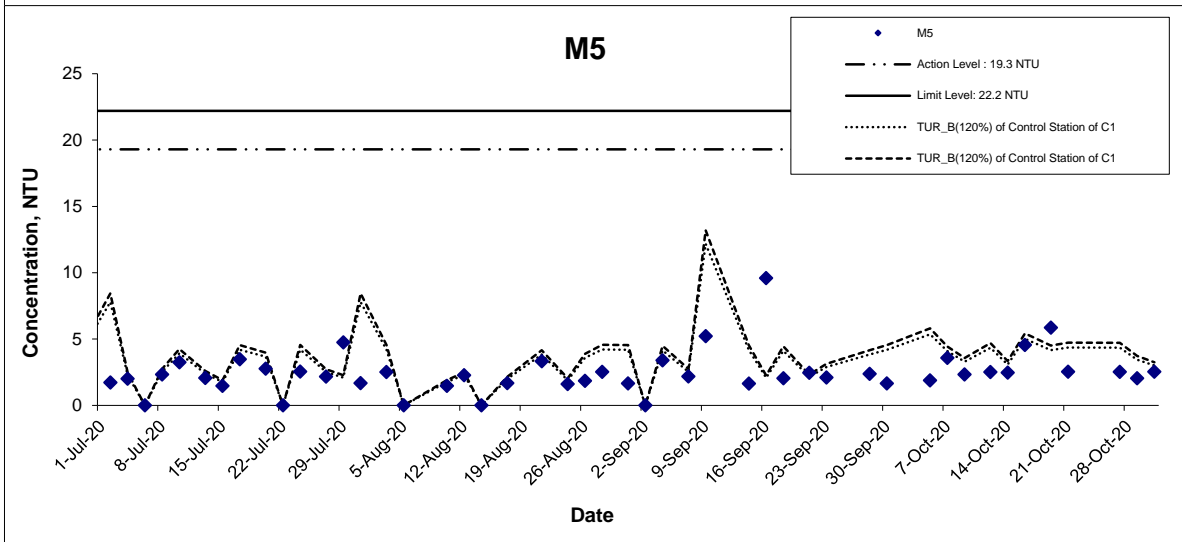
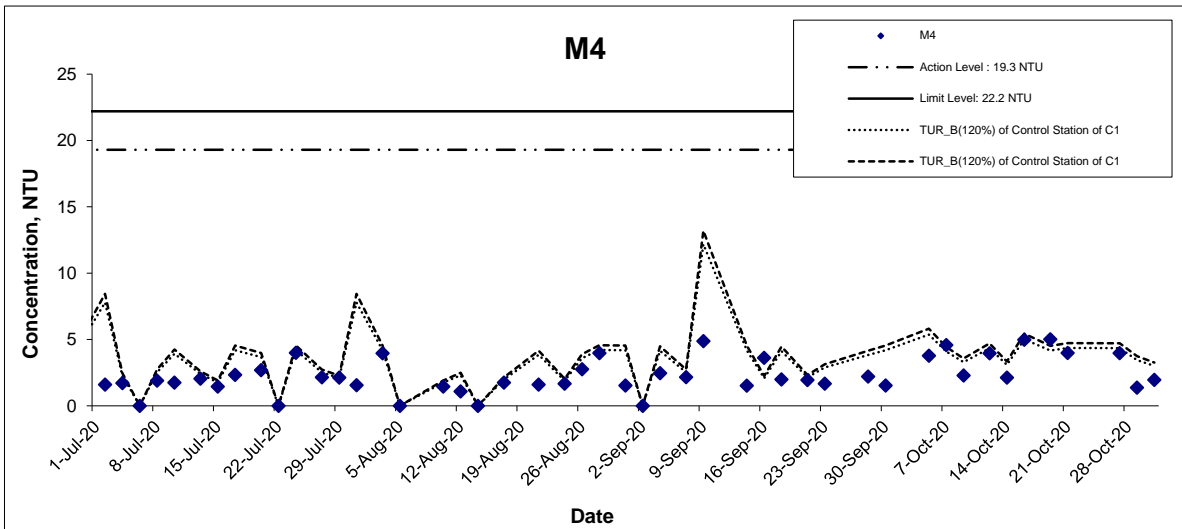
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## Turbidity (Bottom) at Mid-Flood Tide



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Scale N.T.S

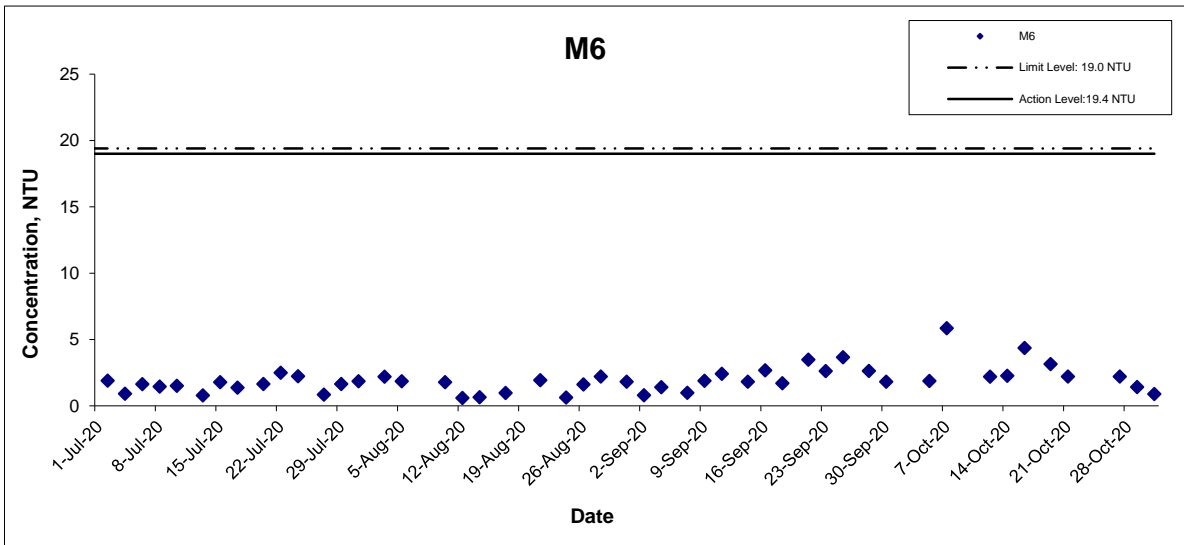
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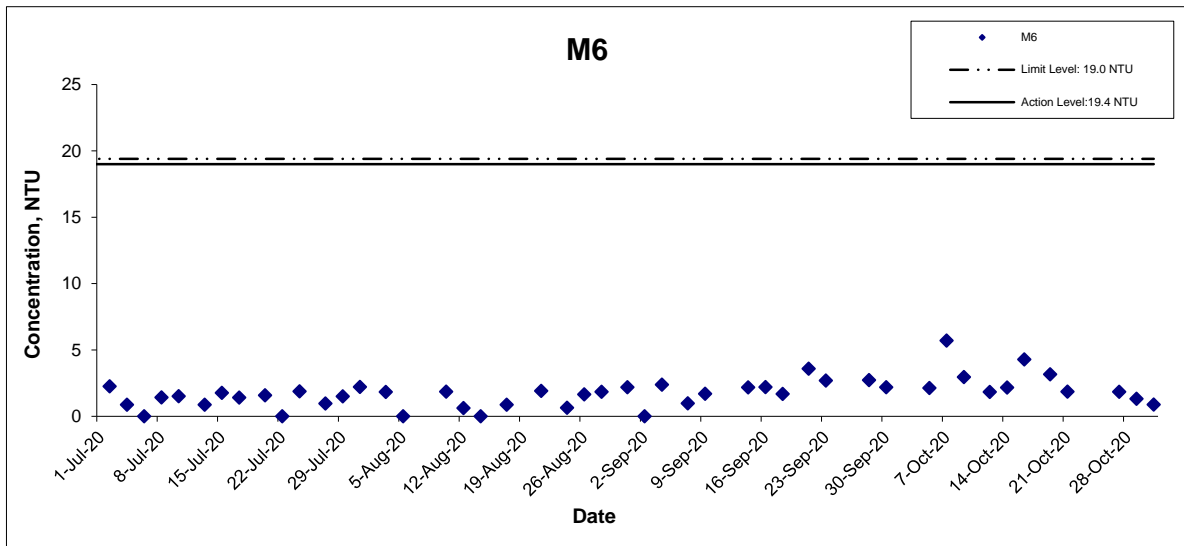


## Turbidity (Intake Level of WSD Salt Water Intake) at Mid-Ebb Tide



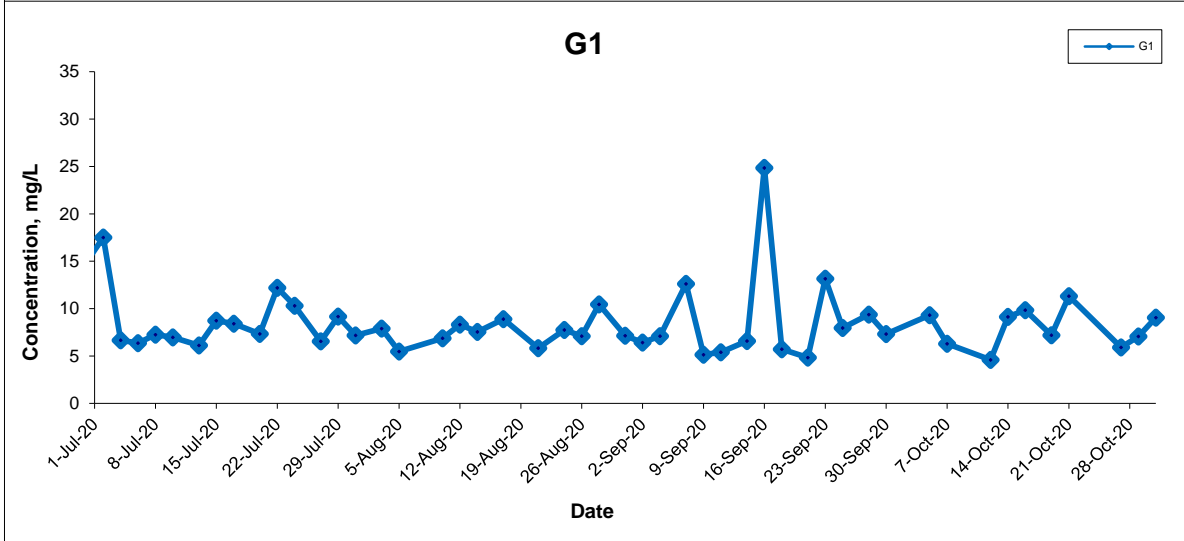
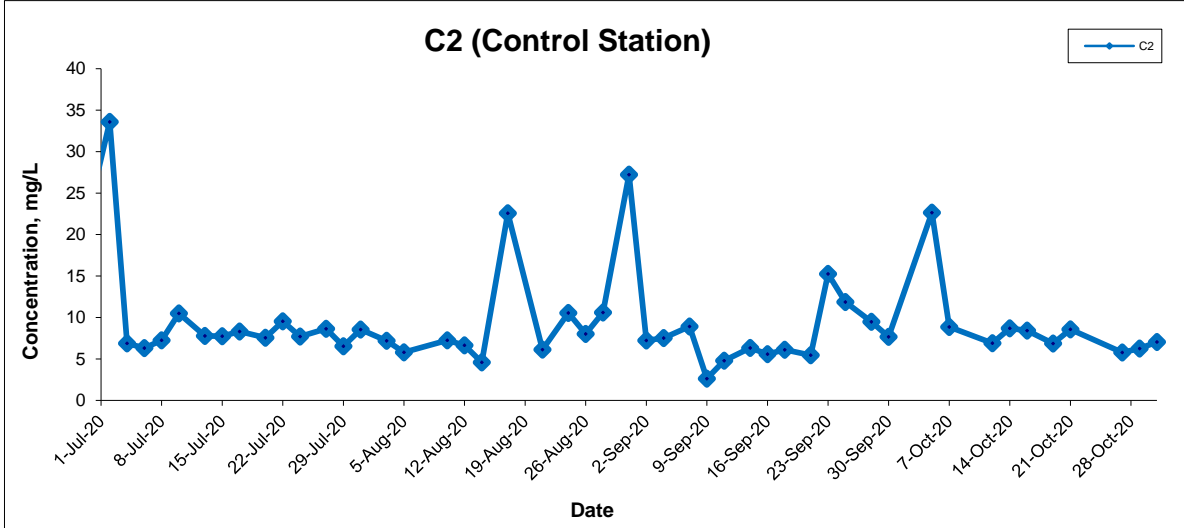
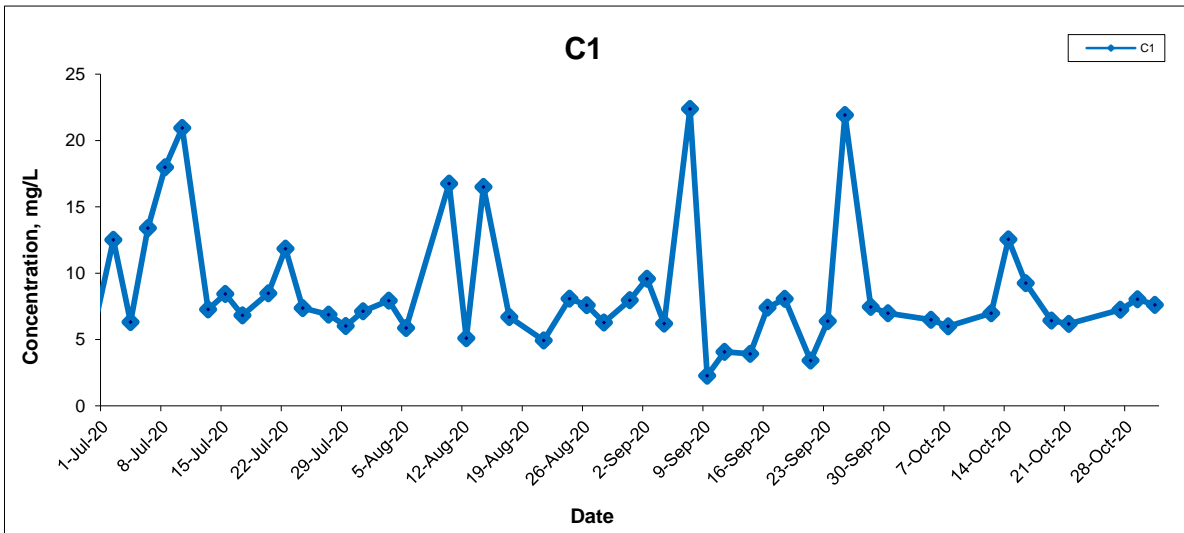
Title	Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction	Scale N.T.S	Project No. MA16034	<b>CINOTECH</b>
	Graphical Presentation of Water Quality Monitoring Results	Date Oct 20	Appendix I	

## Turbidity (Intake Level of WSD Salt Water Intake) at Mid-Flood Tide



Title	Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction	Scale	N.T.S	Project No.	MA16034	<b>CINOTECH</b>
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## Suspended Solids (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

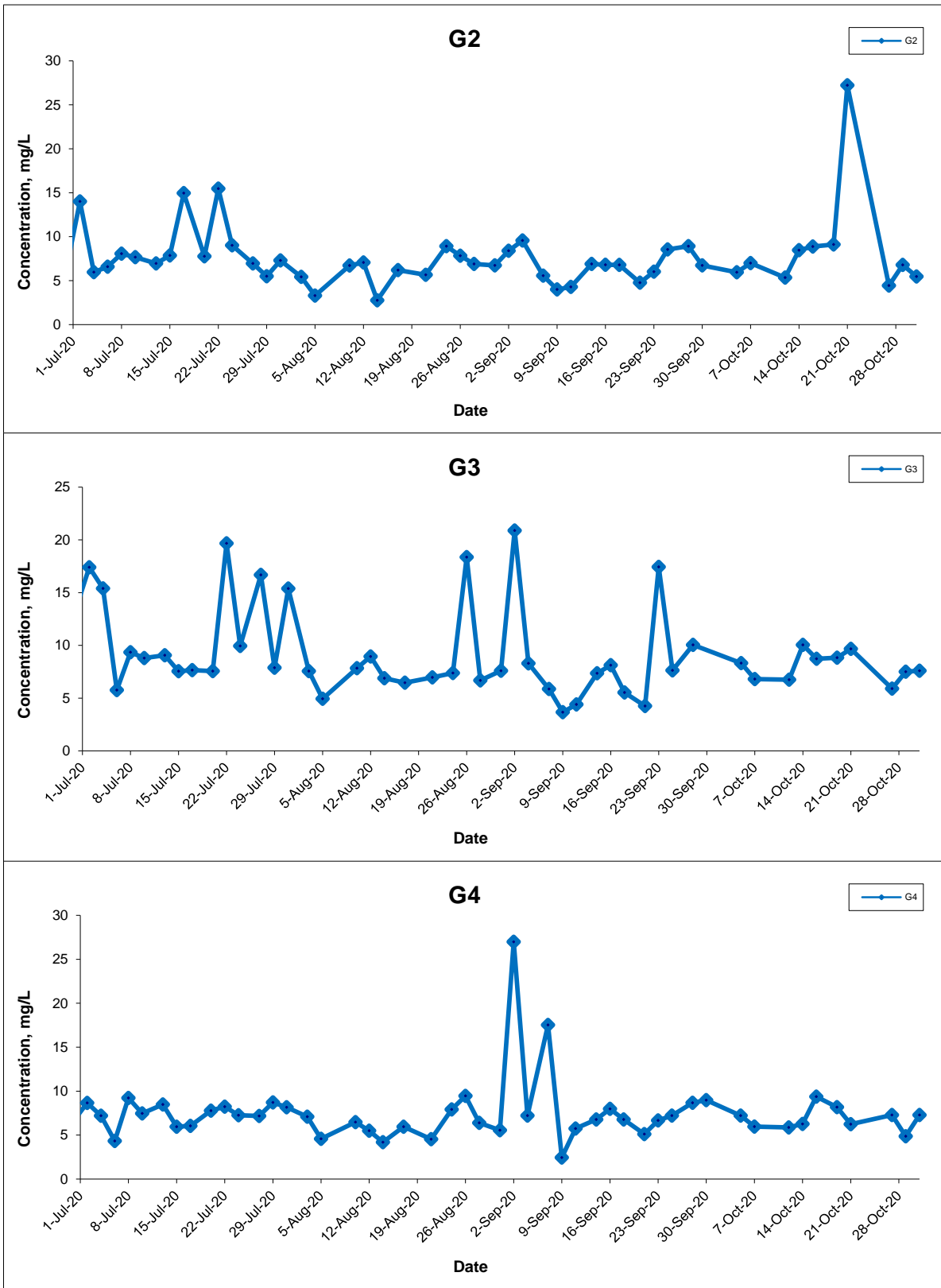
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## Suspended Solids (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

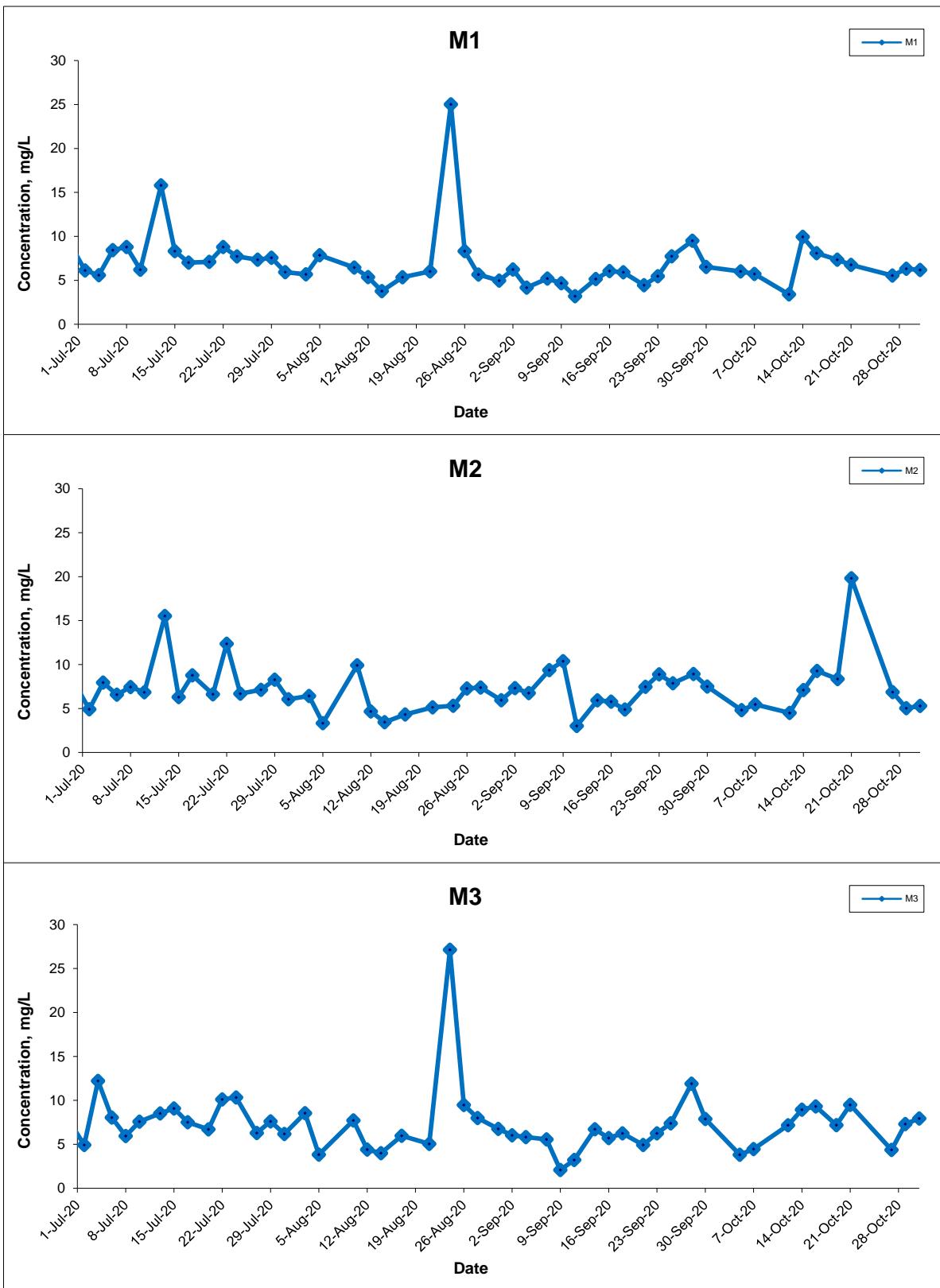
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## Suspended Solids (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

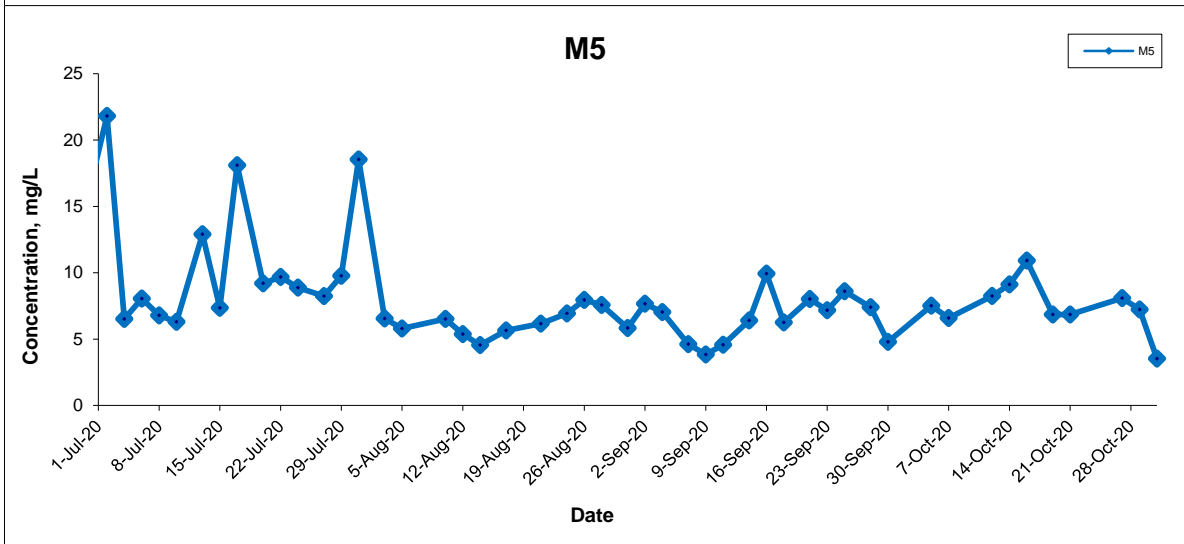
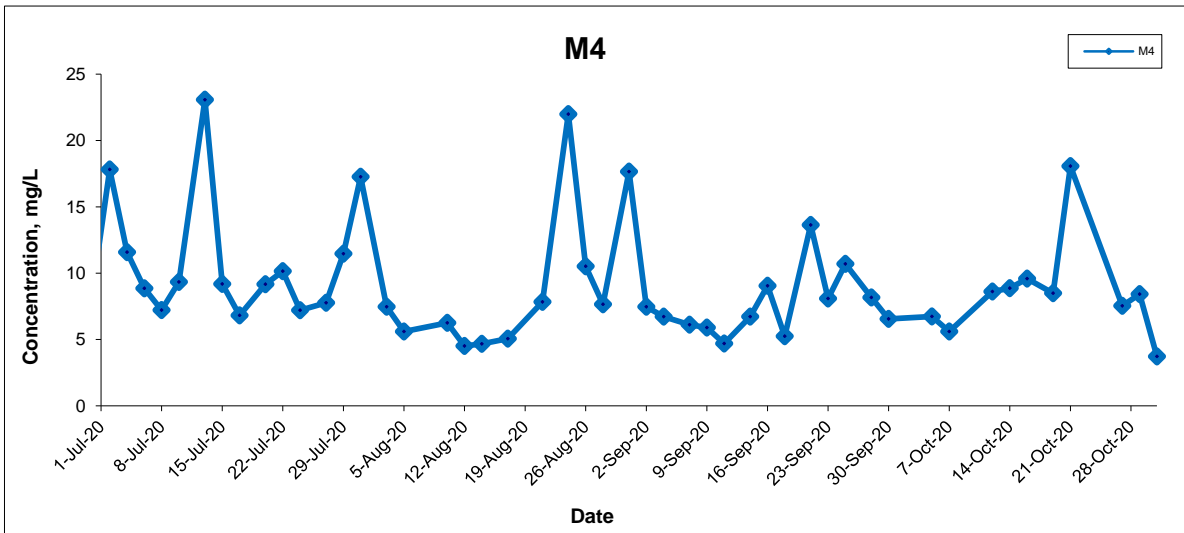
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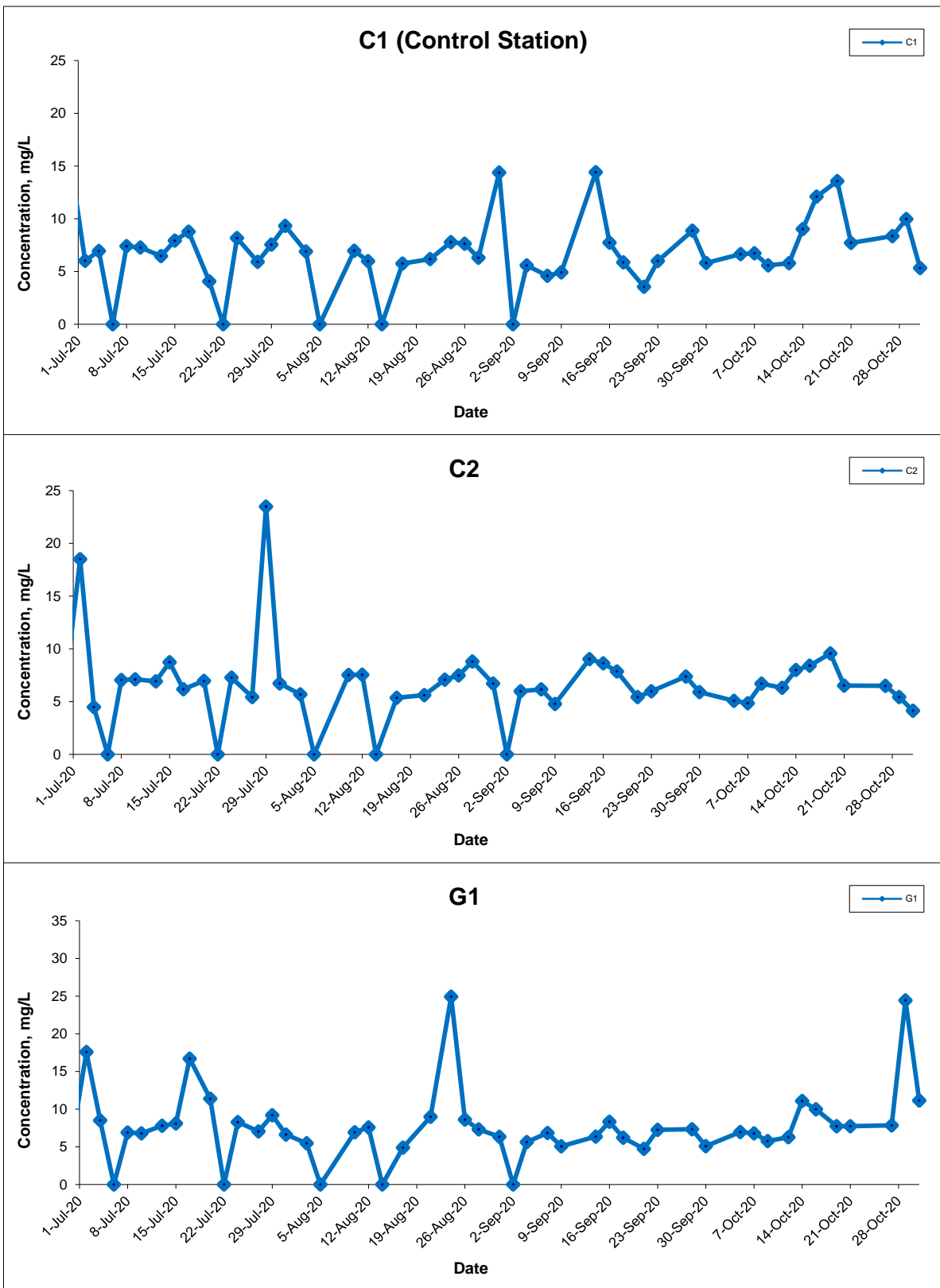


### Suspended Solids (Depth-averaged) at Mid-Ebb Tide



Title	Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction	Scale	N.T.S	Project No.	MA16034	CINOTECH
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## Suspended Solids (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

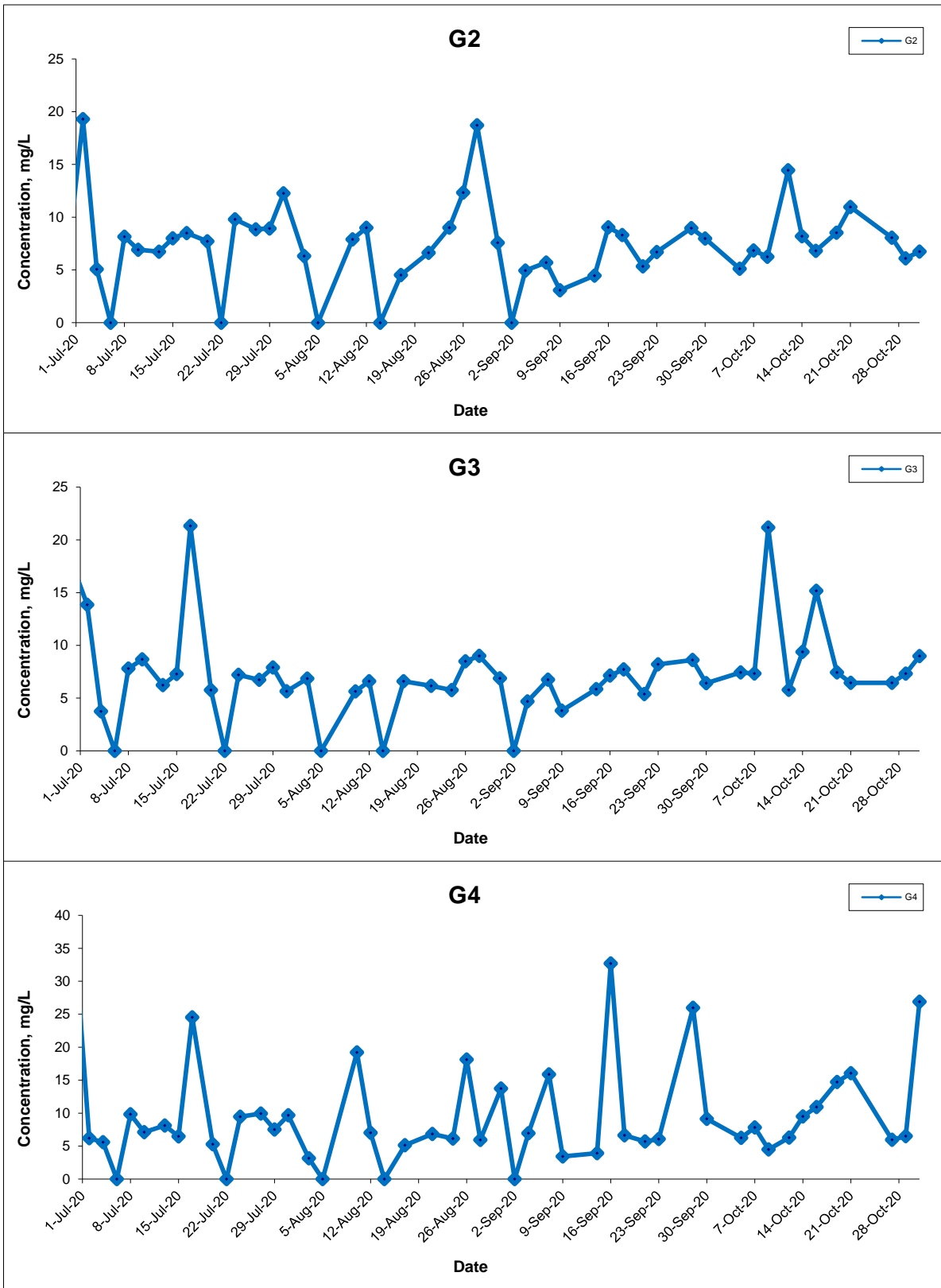
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## Suspended Solids (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

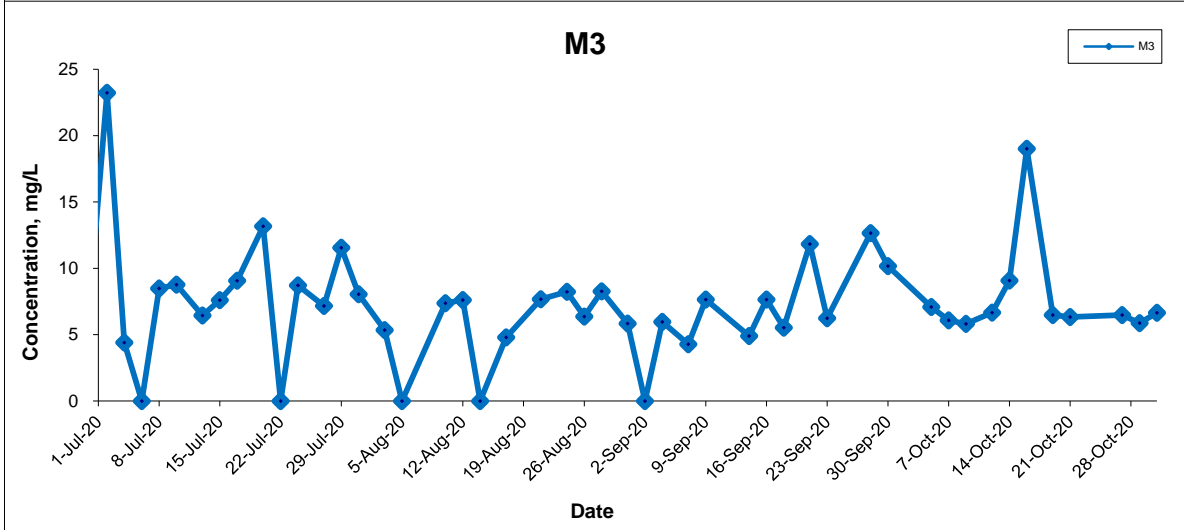
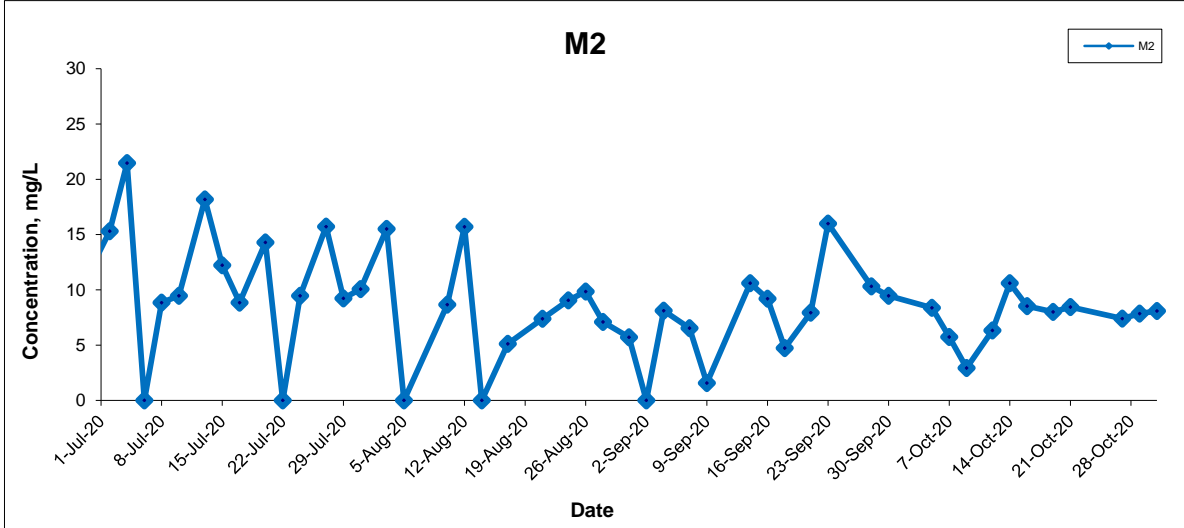
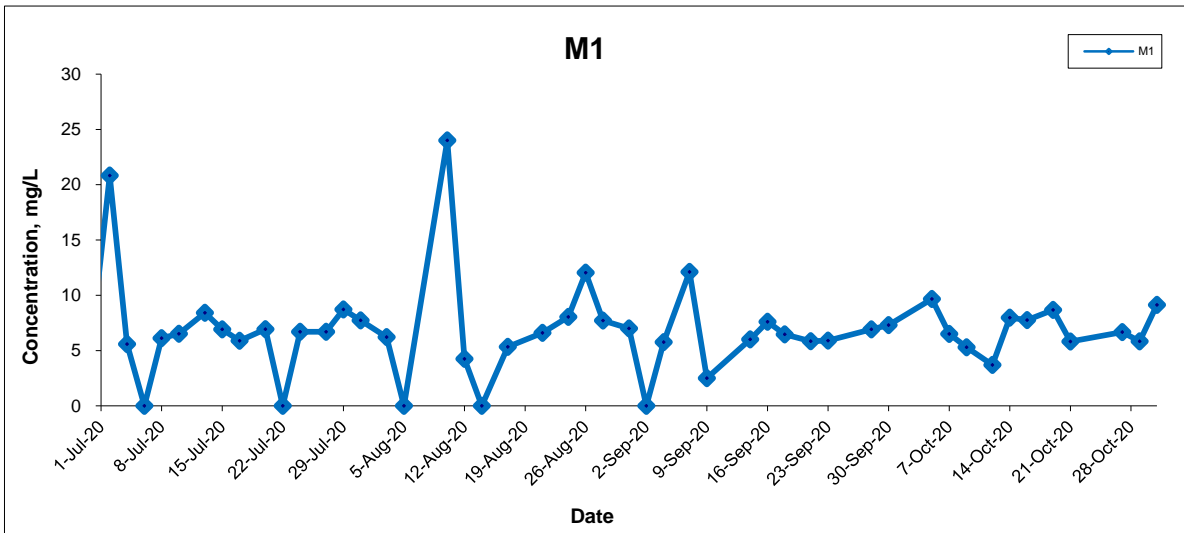
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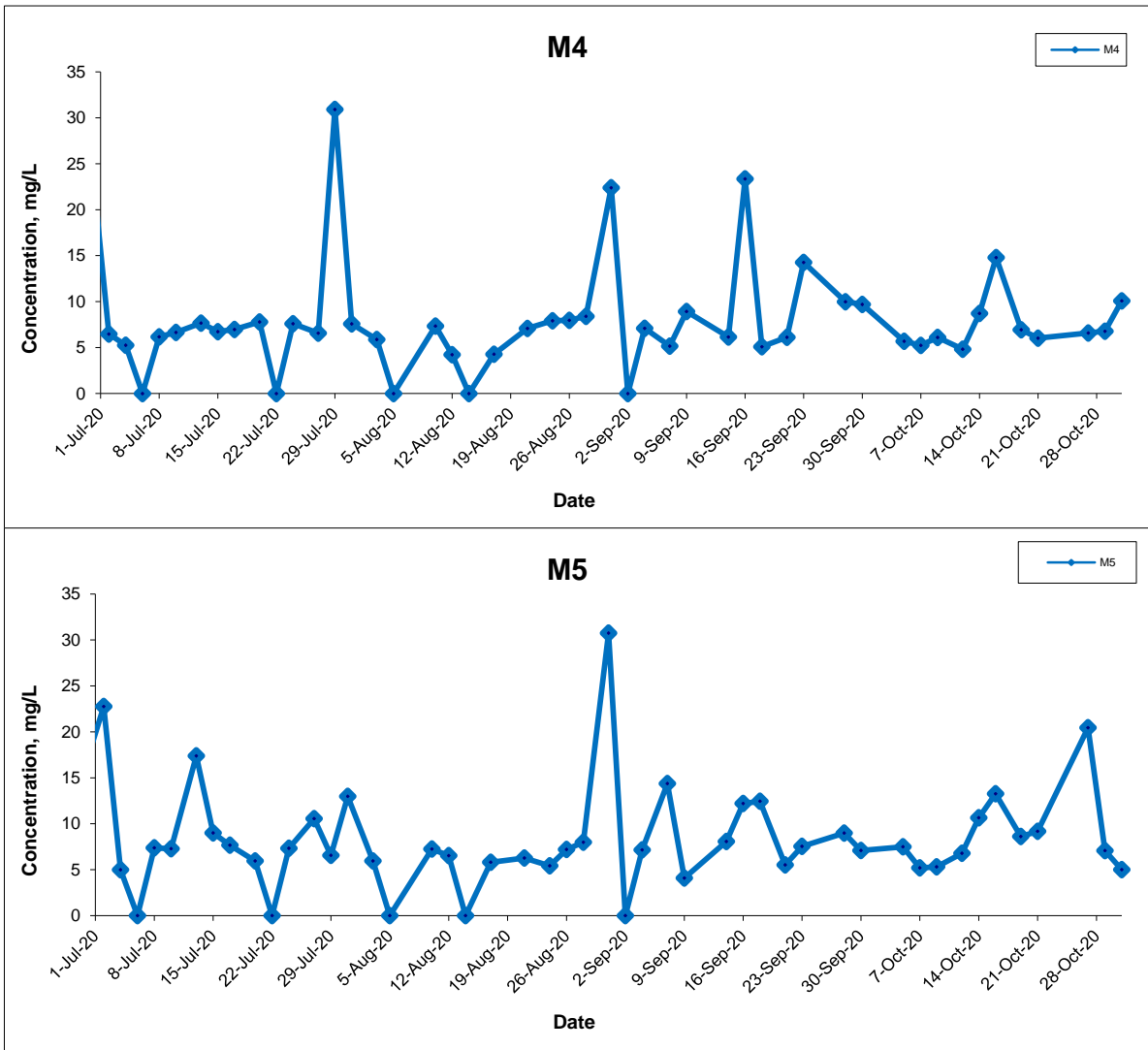


## Suspended Solids (Depth-averaged) at Mid-Flood Tide



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### Suspended Solids (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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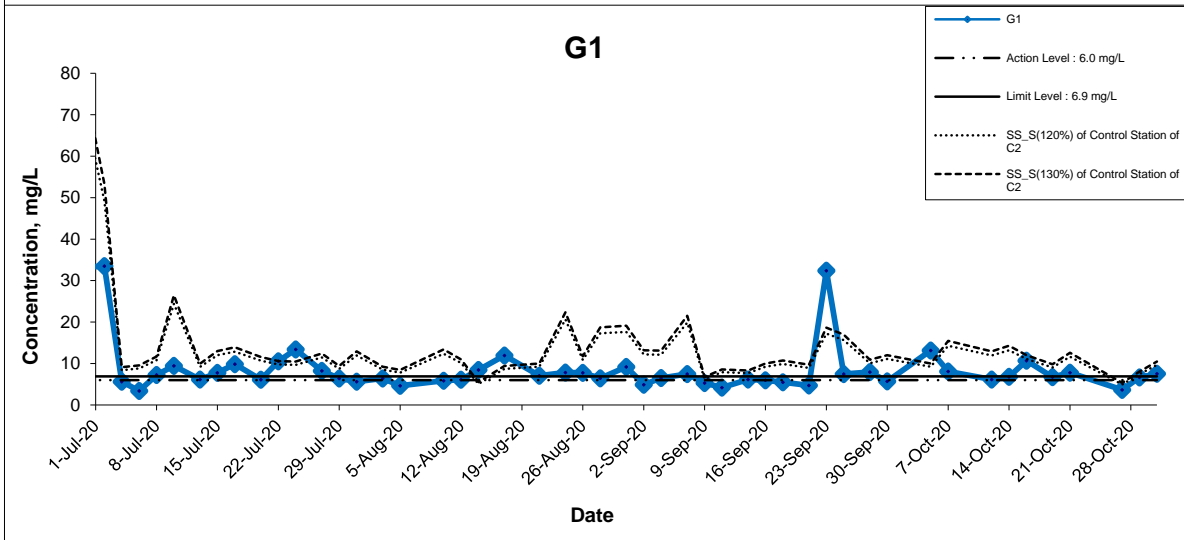
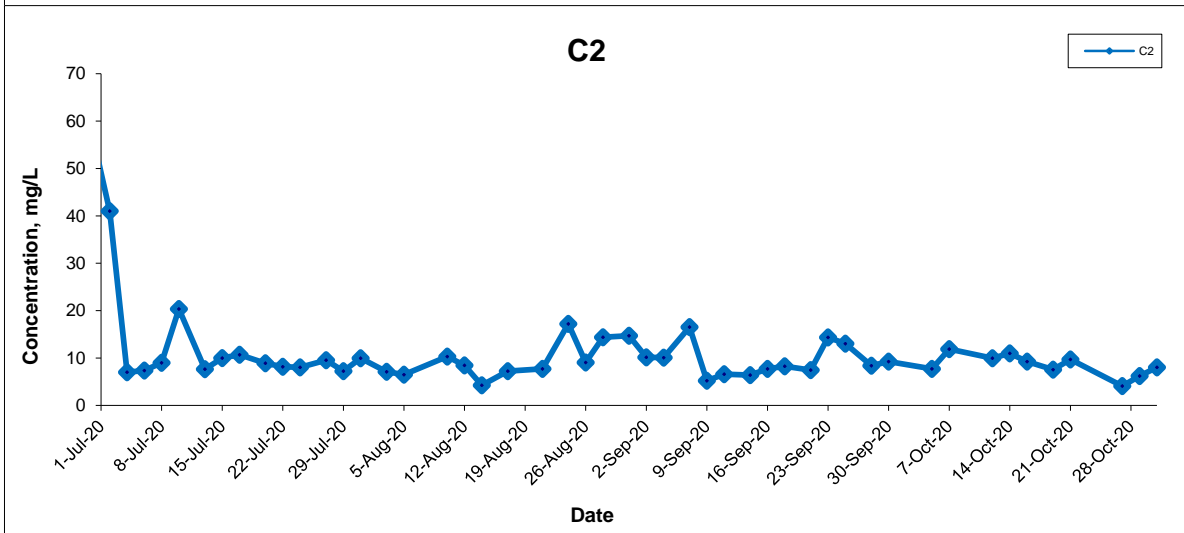
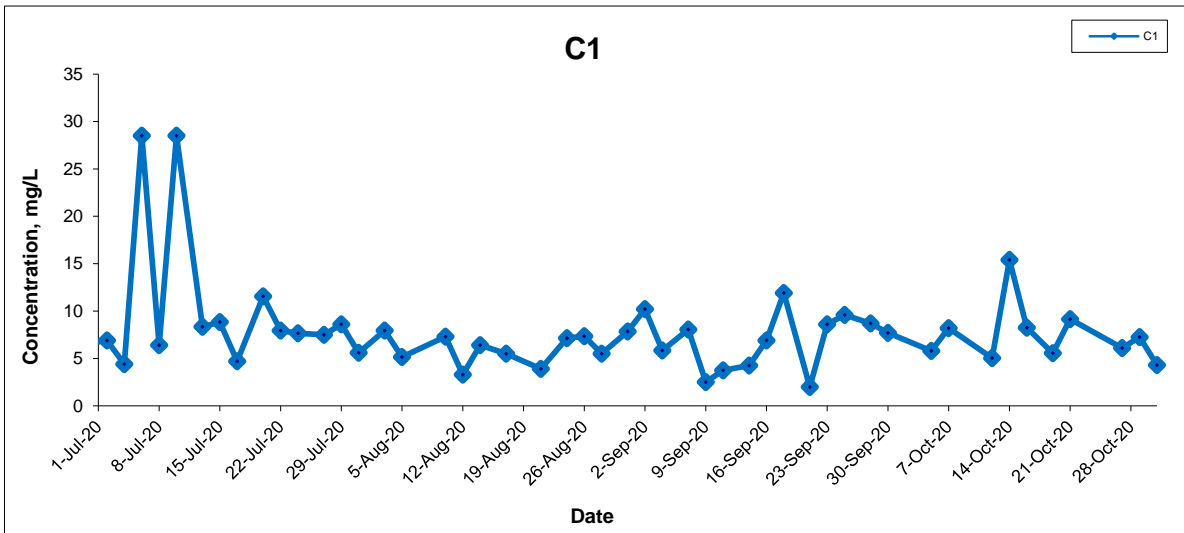
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## Suspended Solids (Surface) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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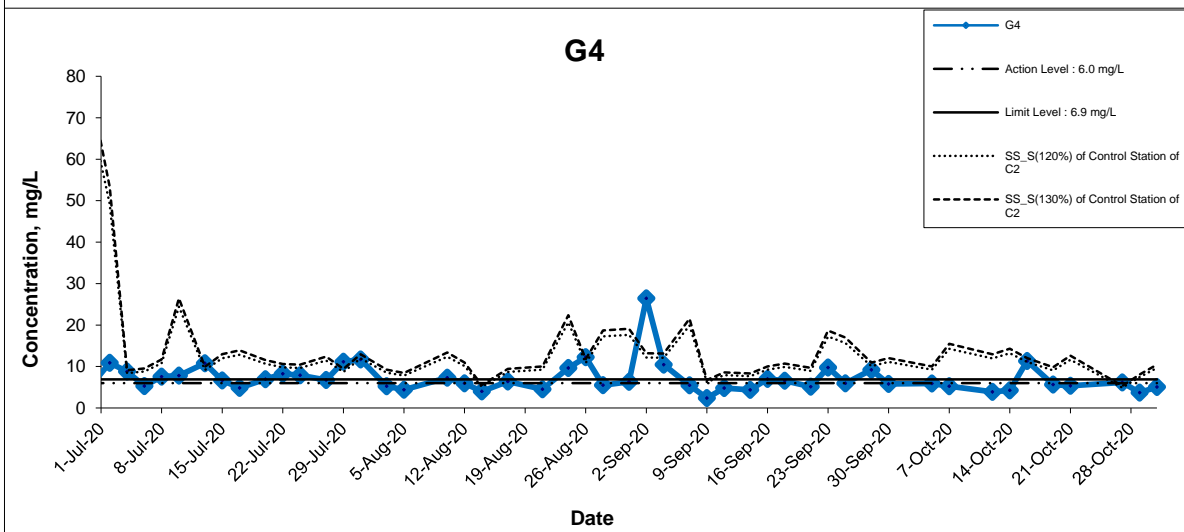
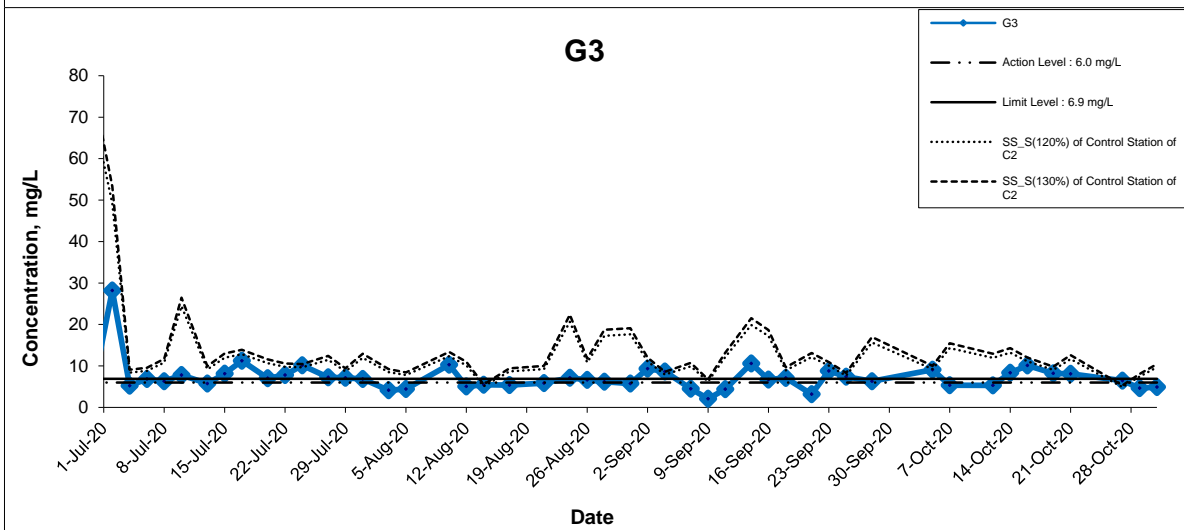
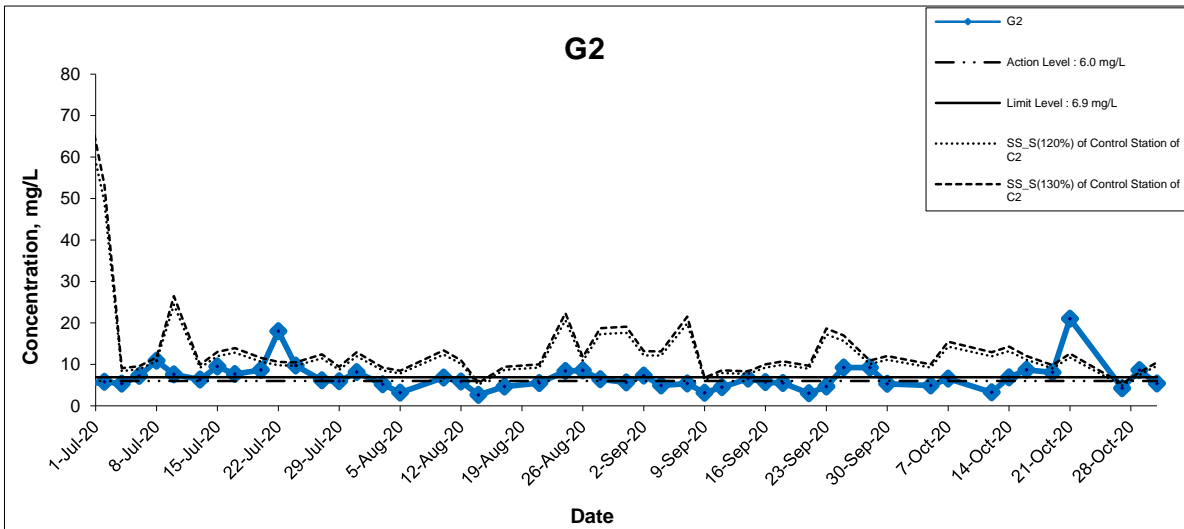
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## Suspended Solids (Surface) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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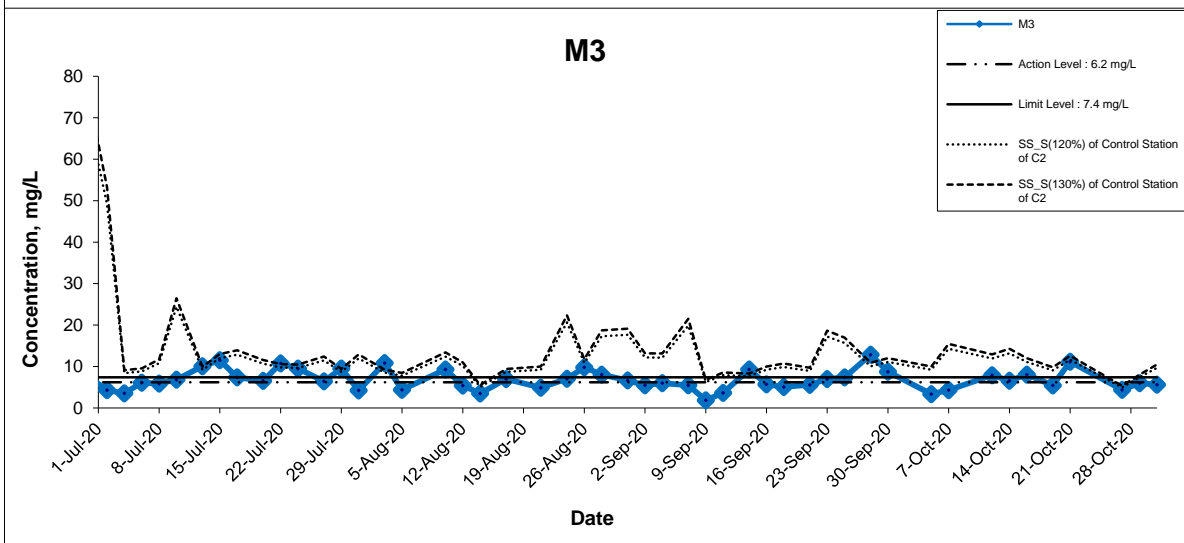
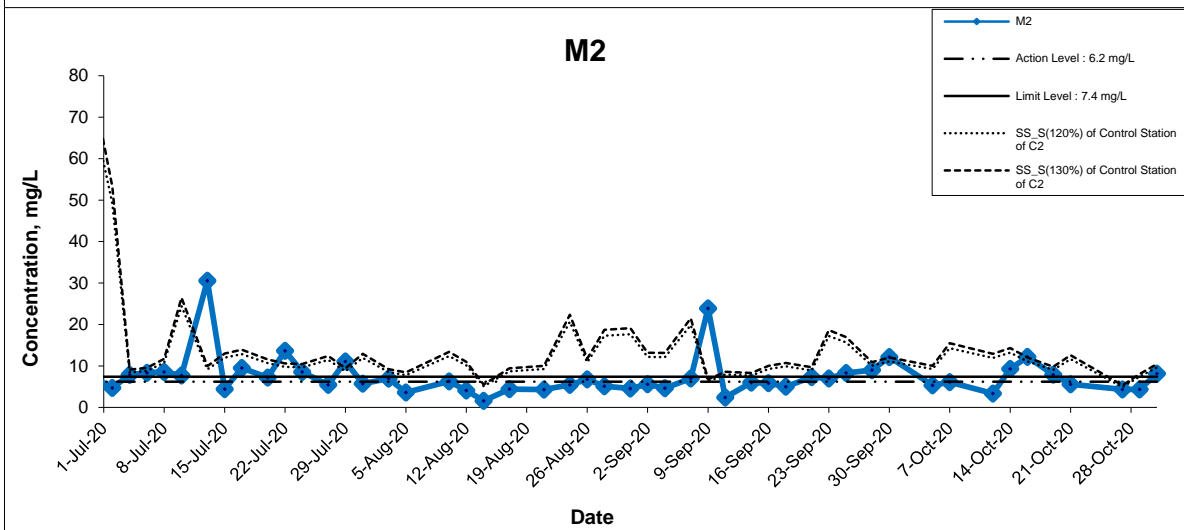
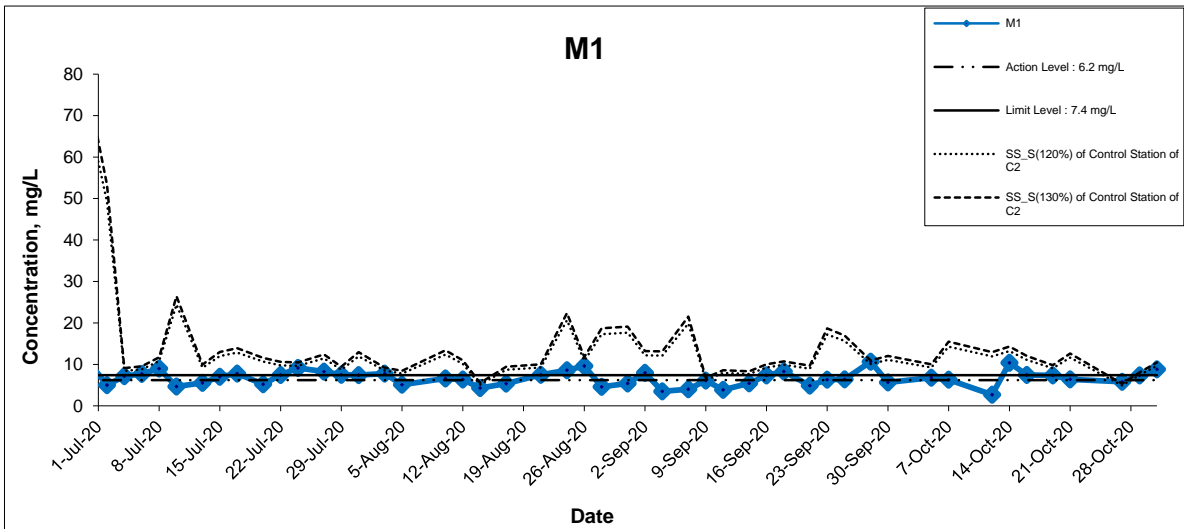
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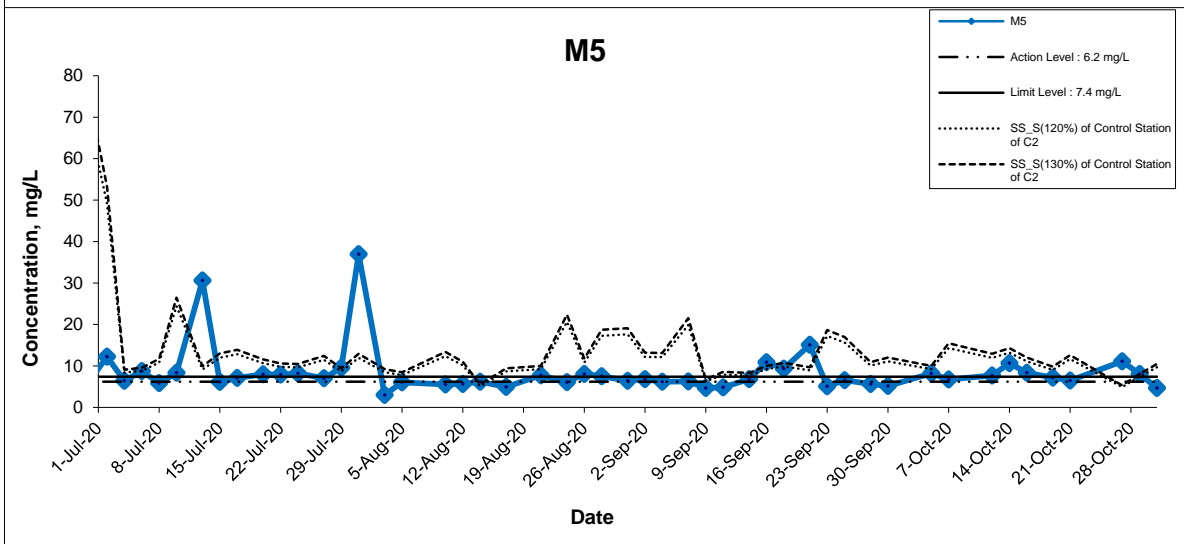
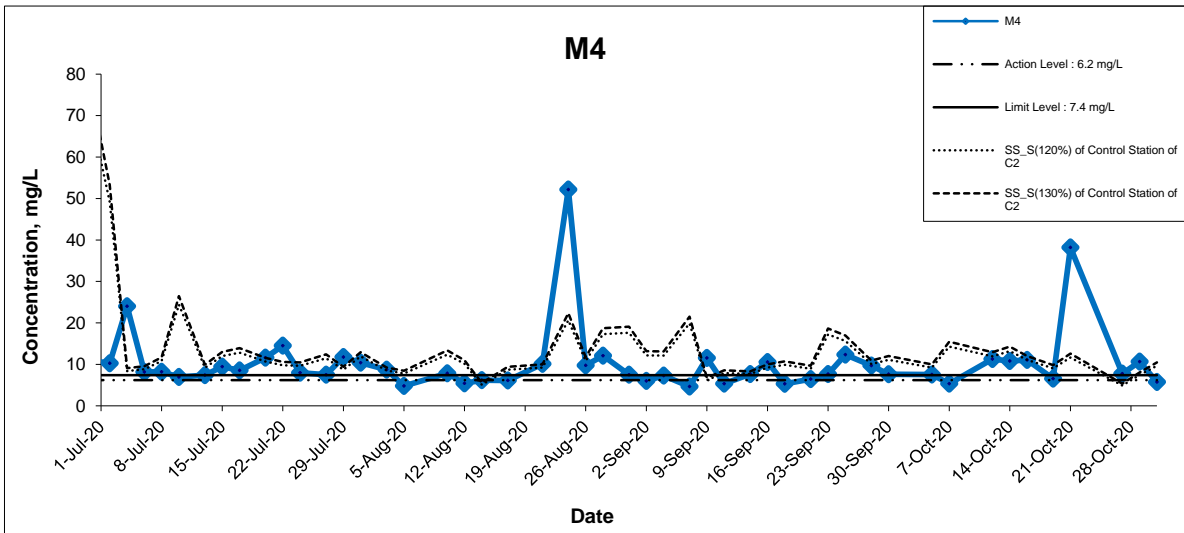


## Suspended Solids (Surface) at Mid-Ebb Tide



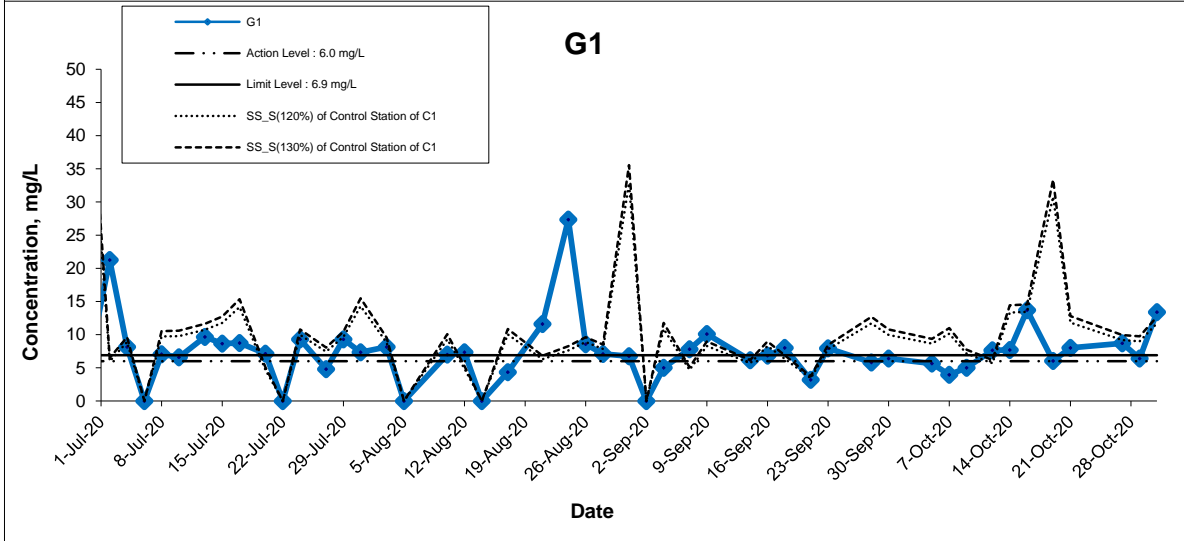
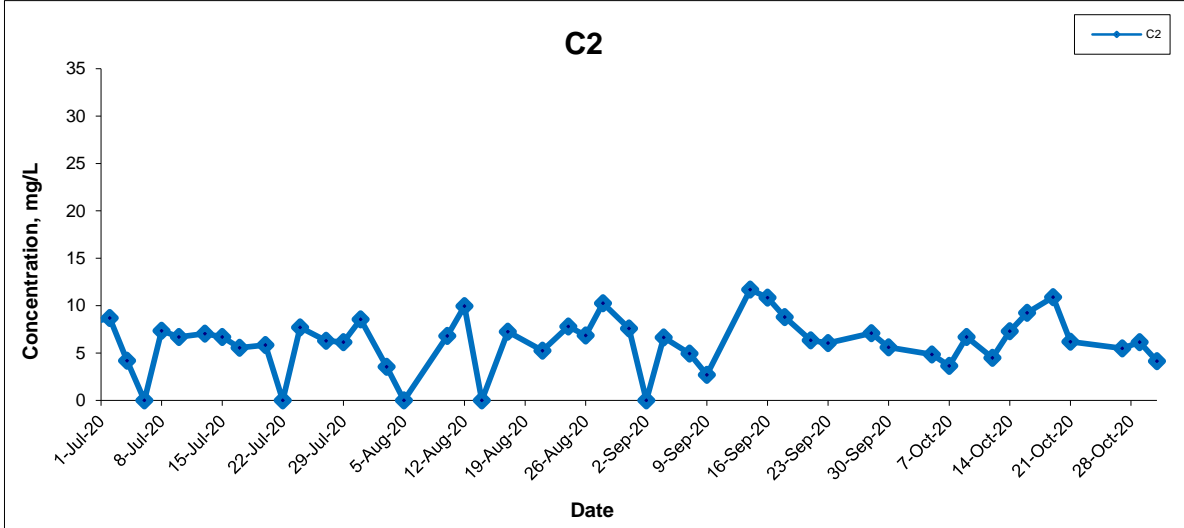
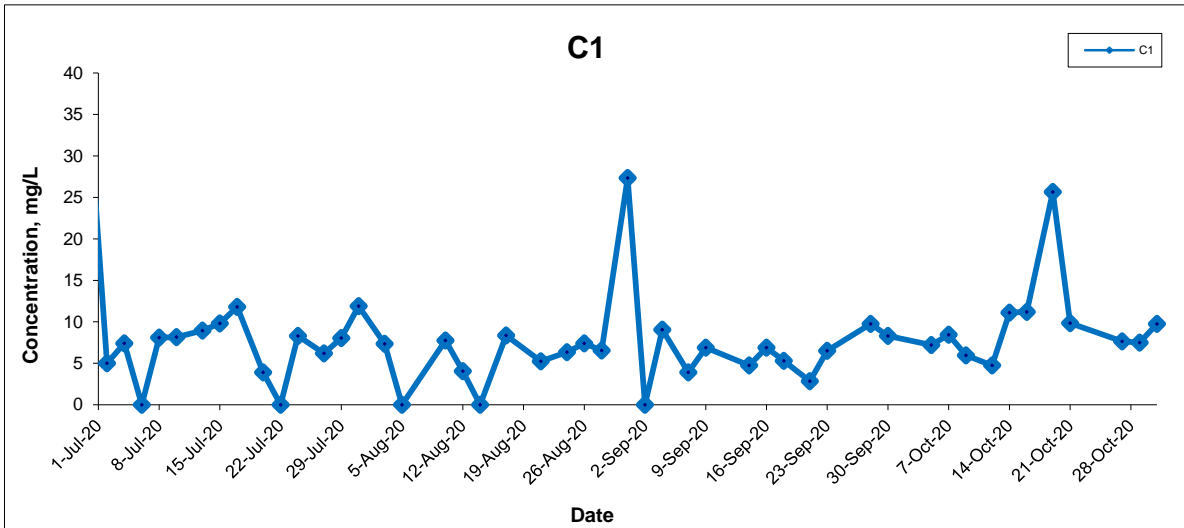
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction  Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	
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## Suspended Solids (Surface) at Mid-Ebb Tide



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## Suspended Solids (Surface) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

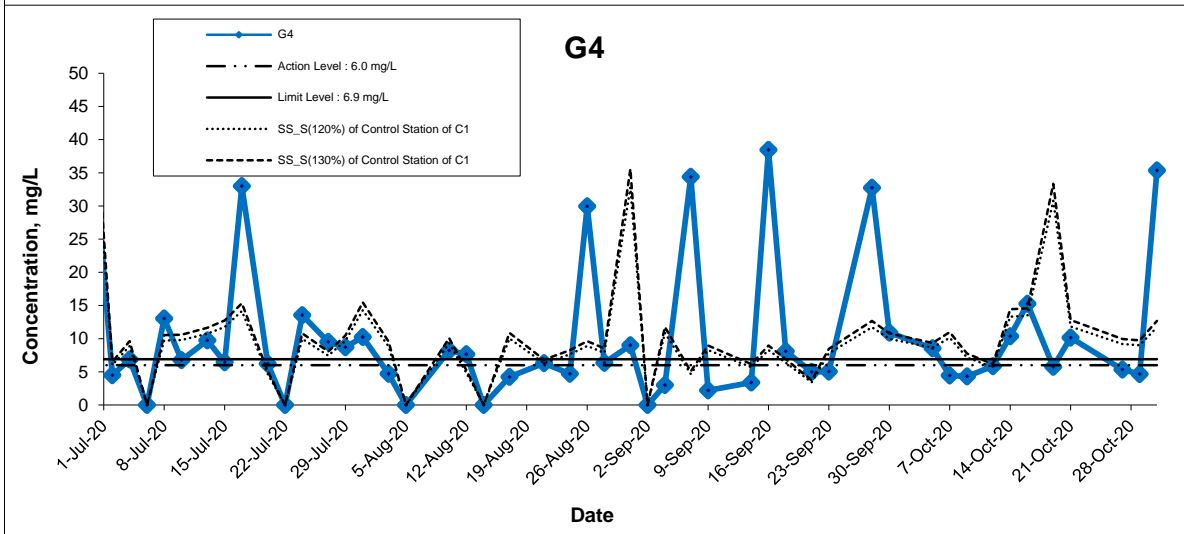
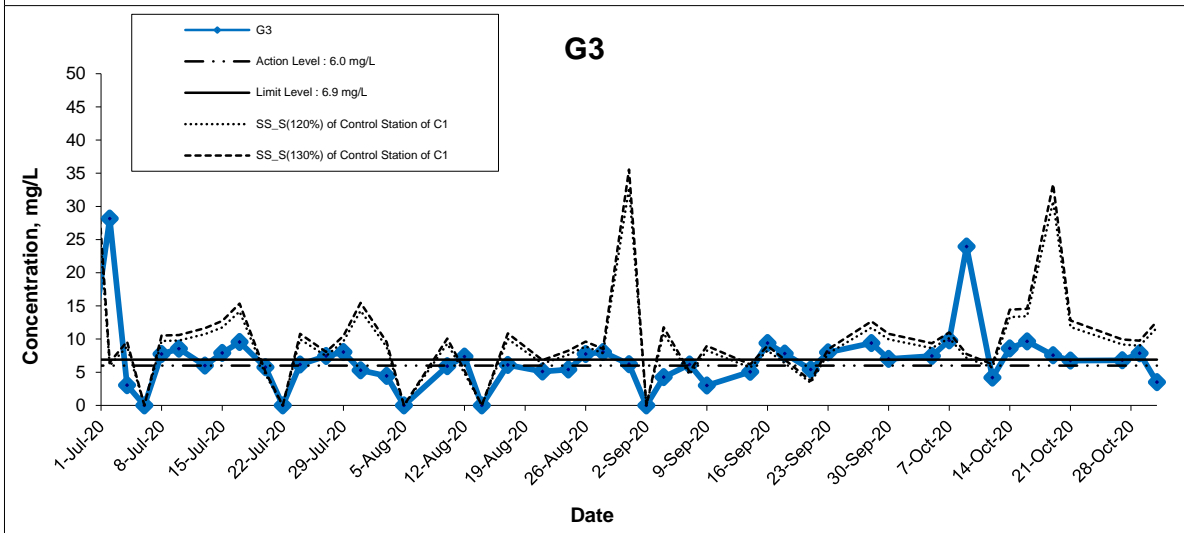
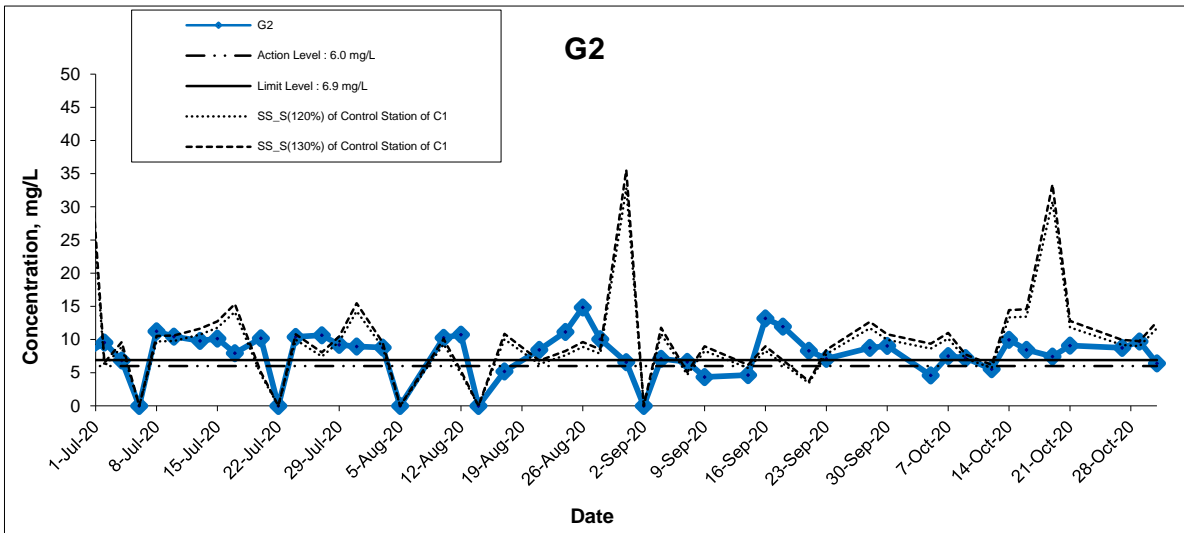
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## Suspended Solids (Surface) at Mid-Flood Tide



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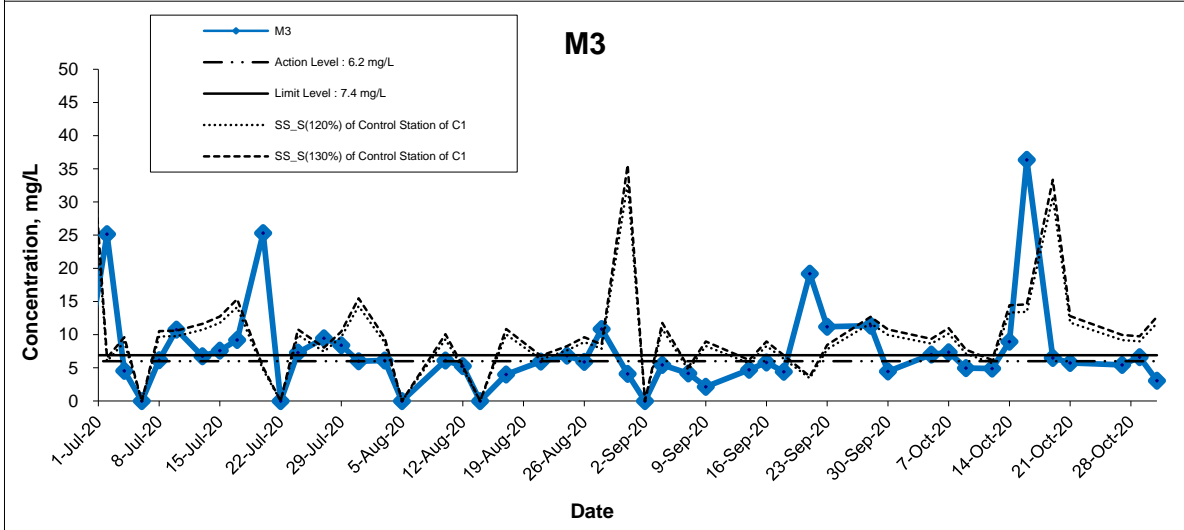
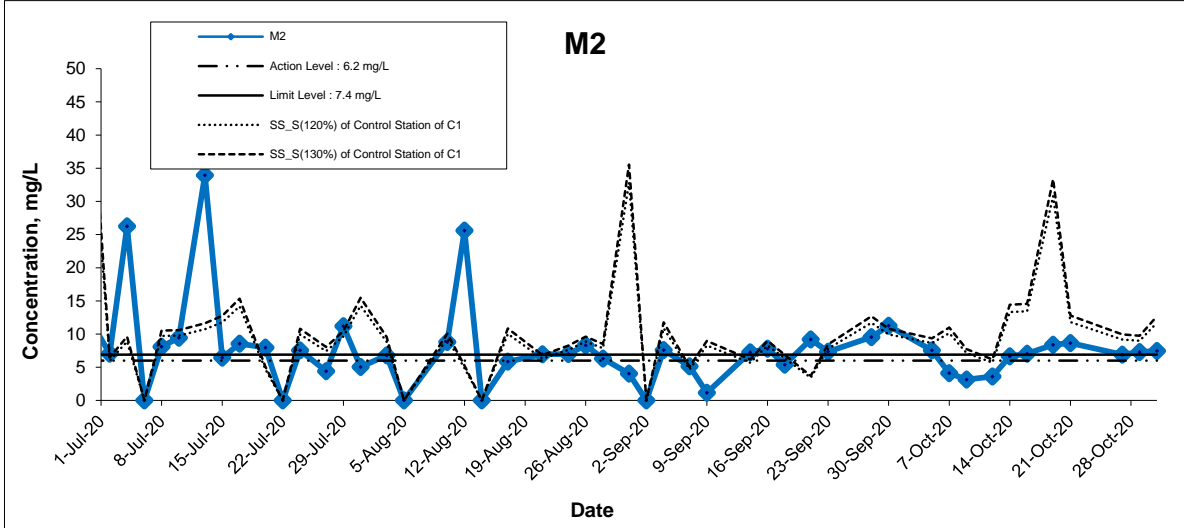
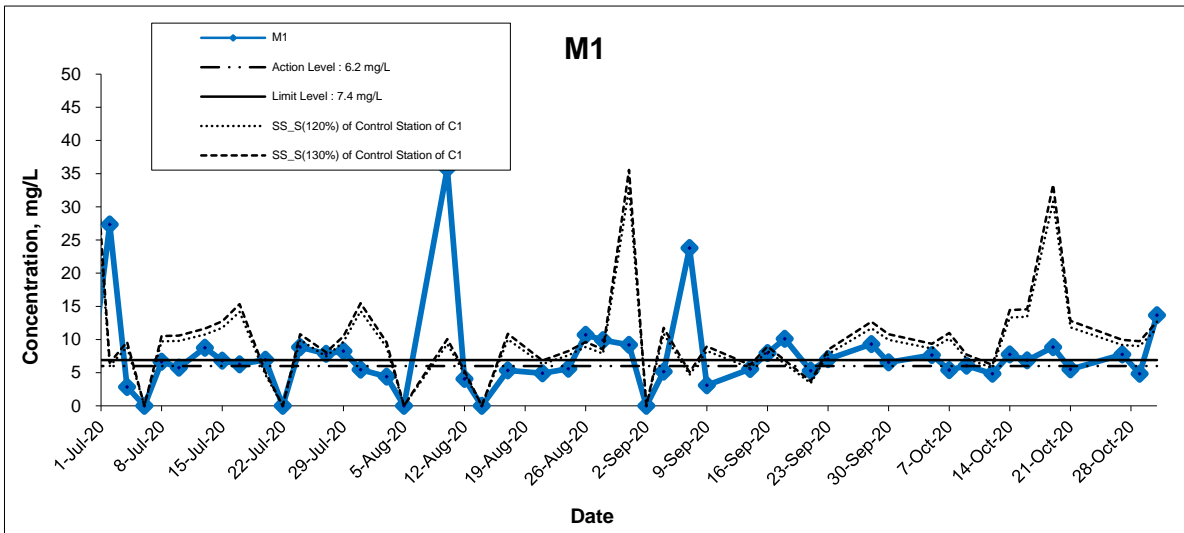
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## Suspended Solids (Surface) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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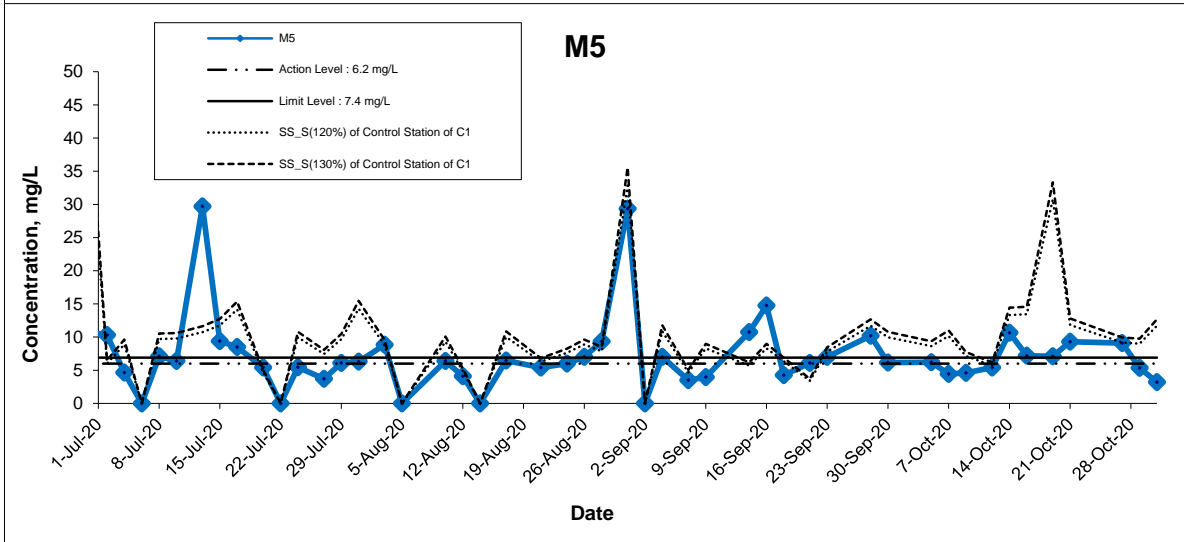
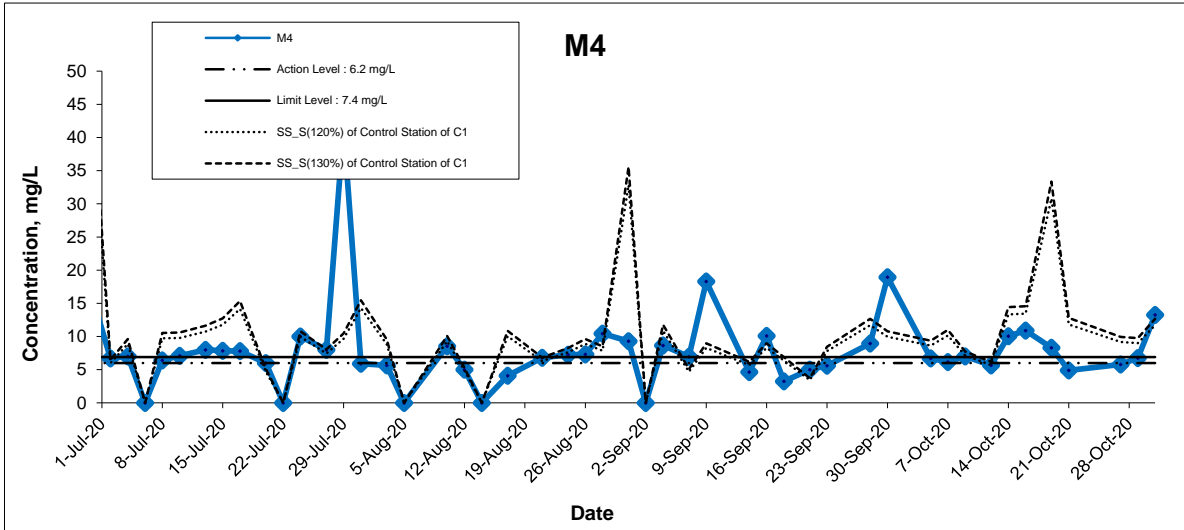
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## Suspended Solids (Surface) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

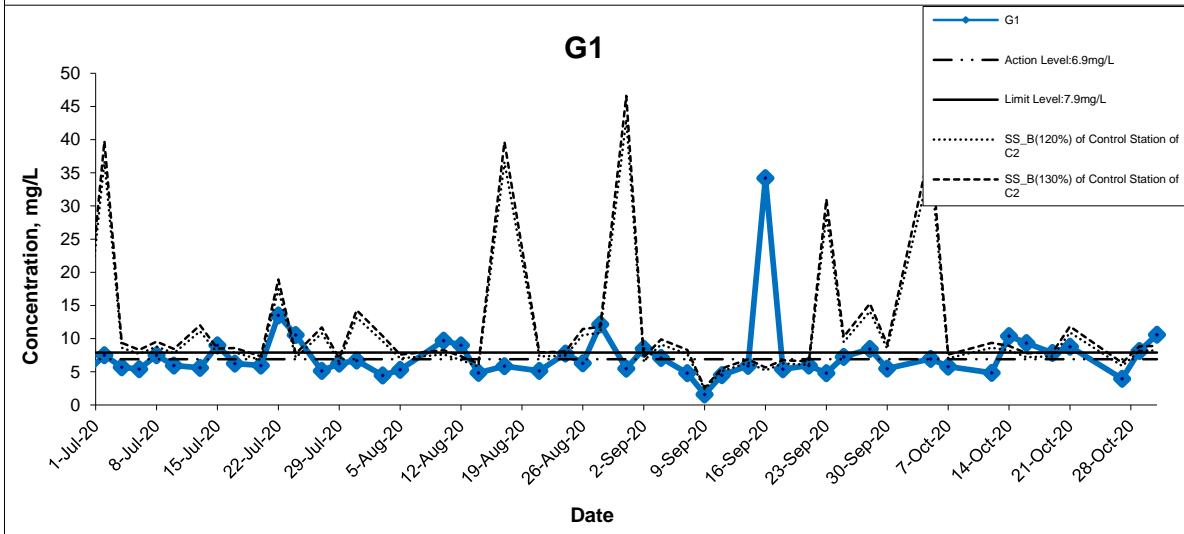
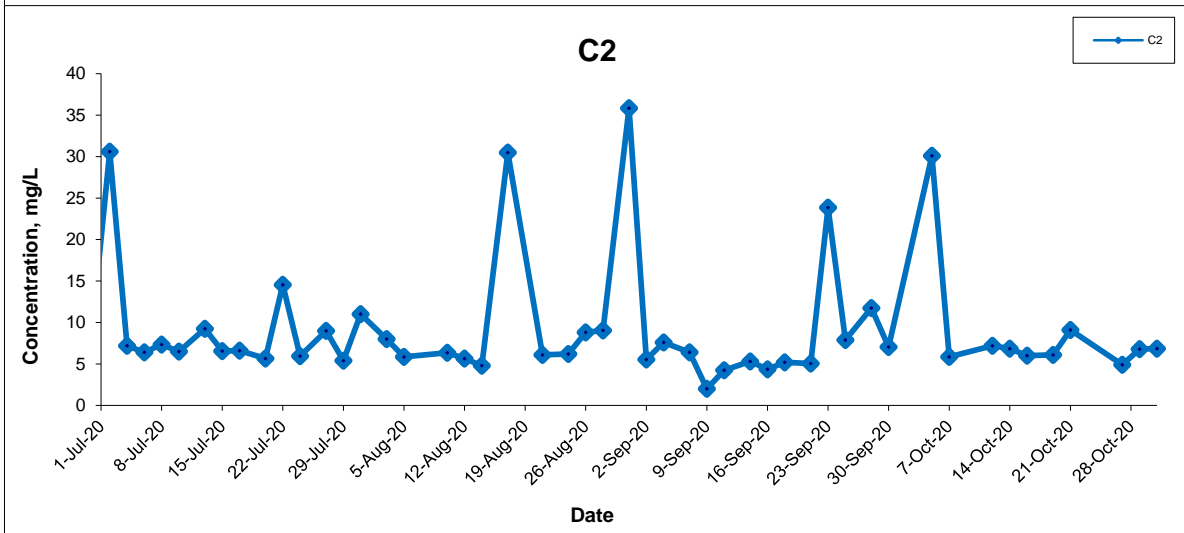
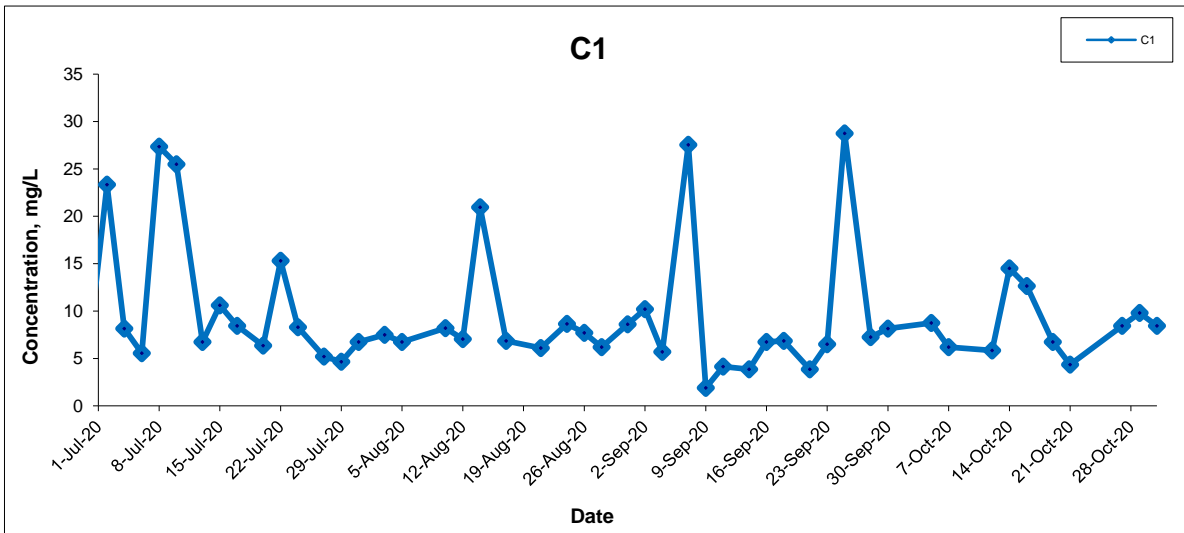
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### Suspended Solids (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

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Scale N.T.S

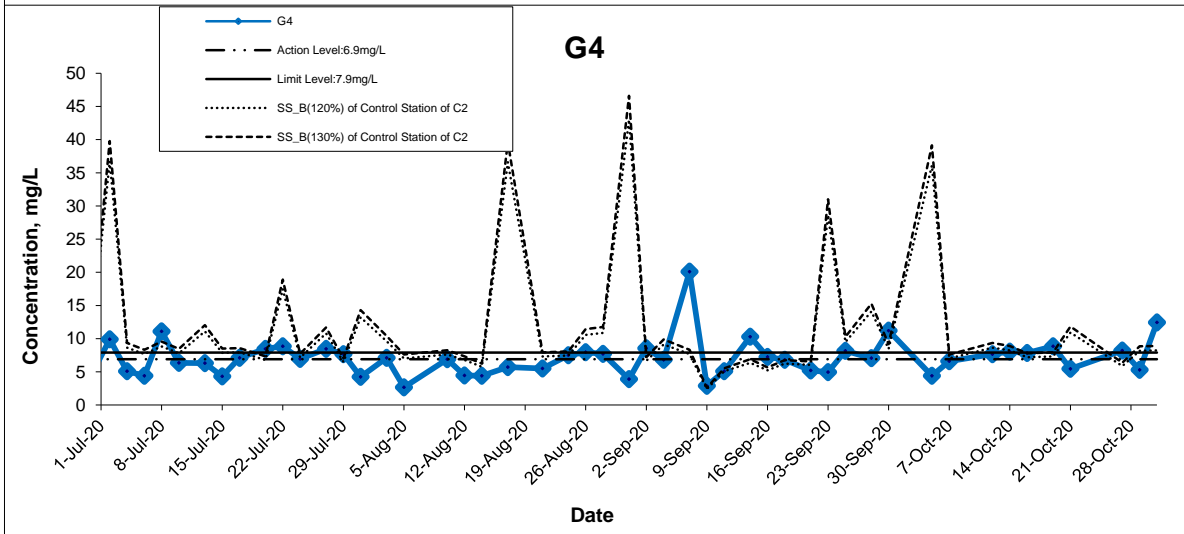
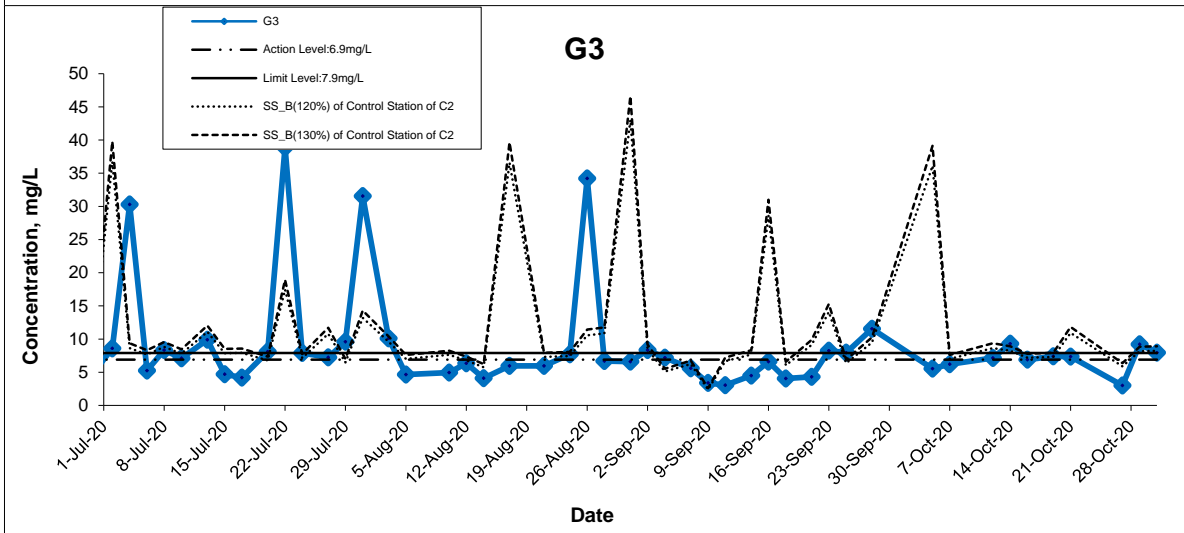
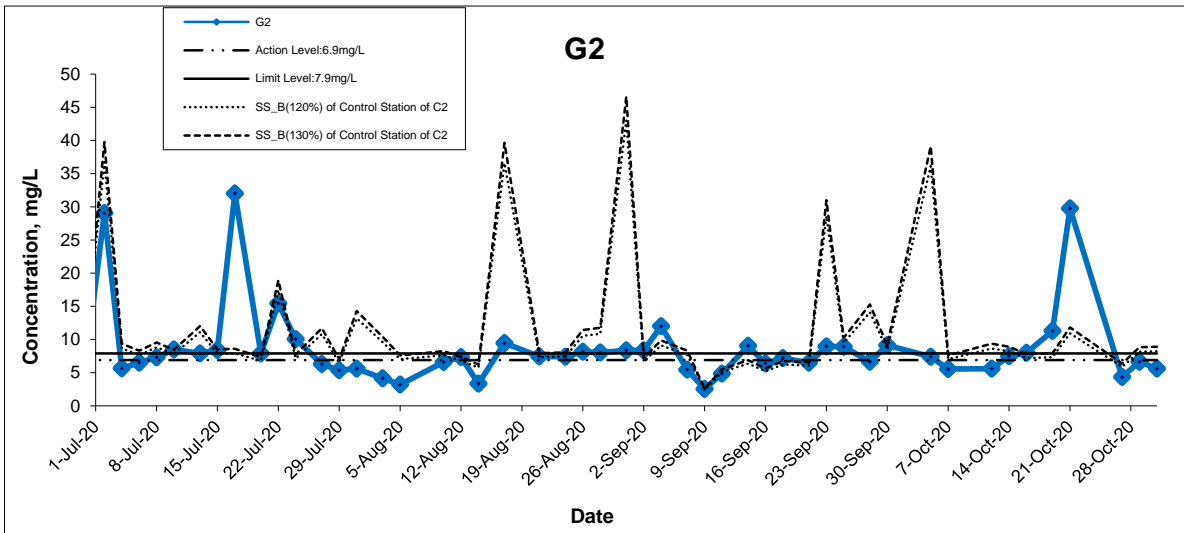
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## Suspended Solids (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

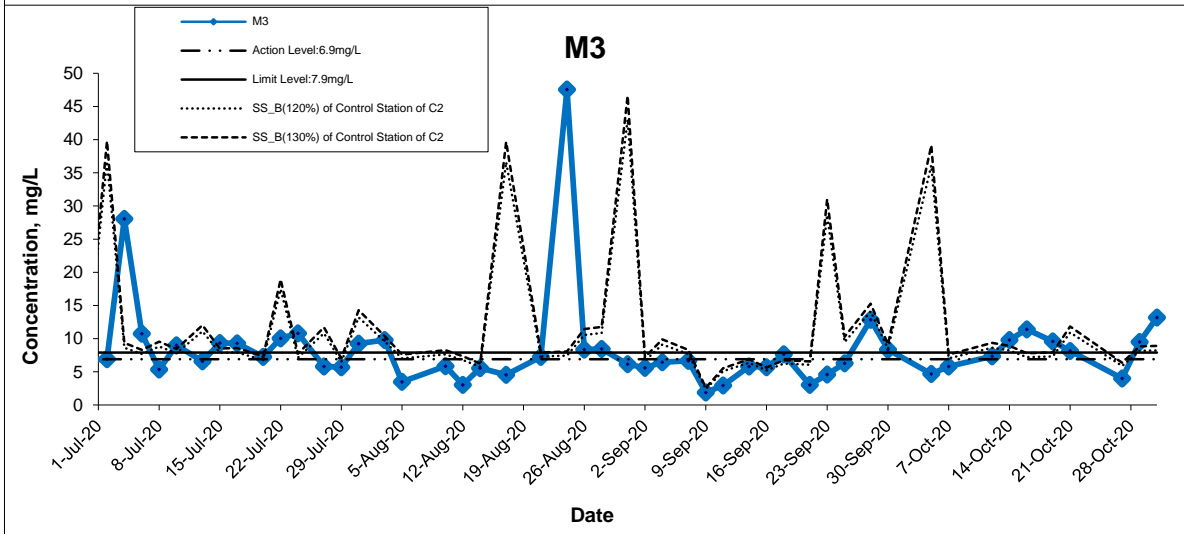
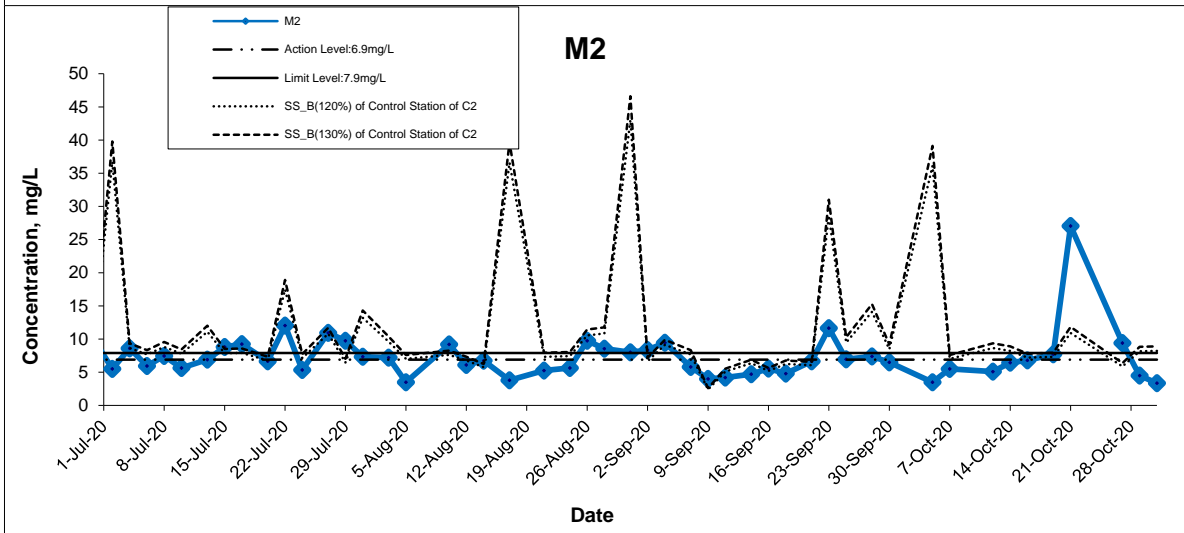
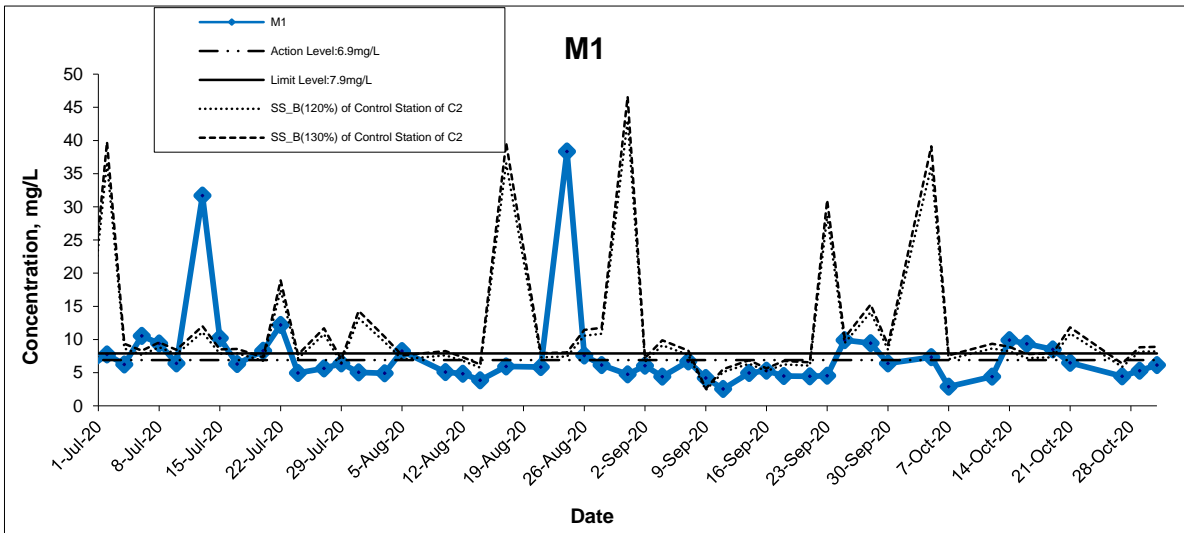
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## Suspended Solids (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

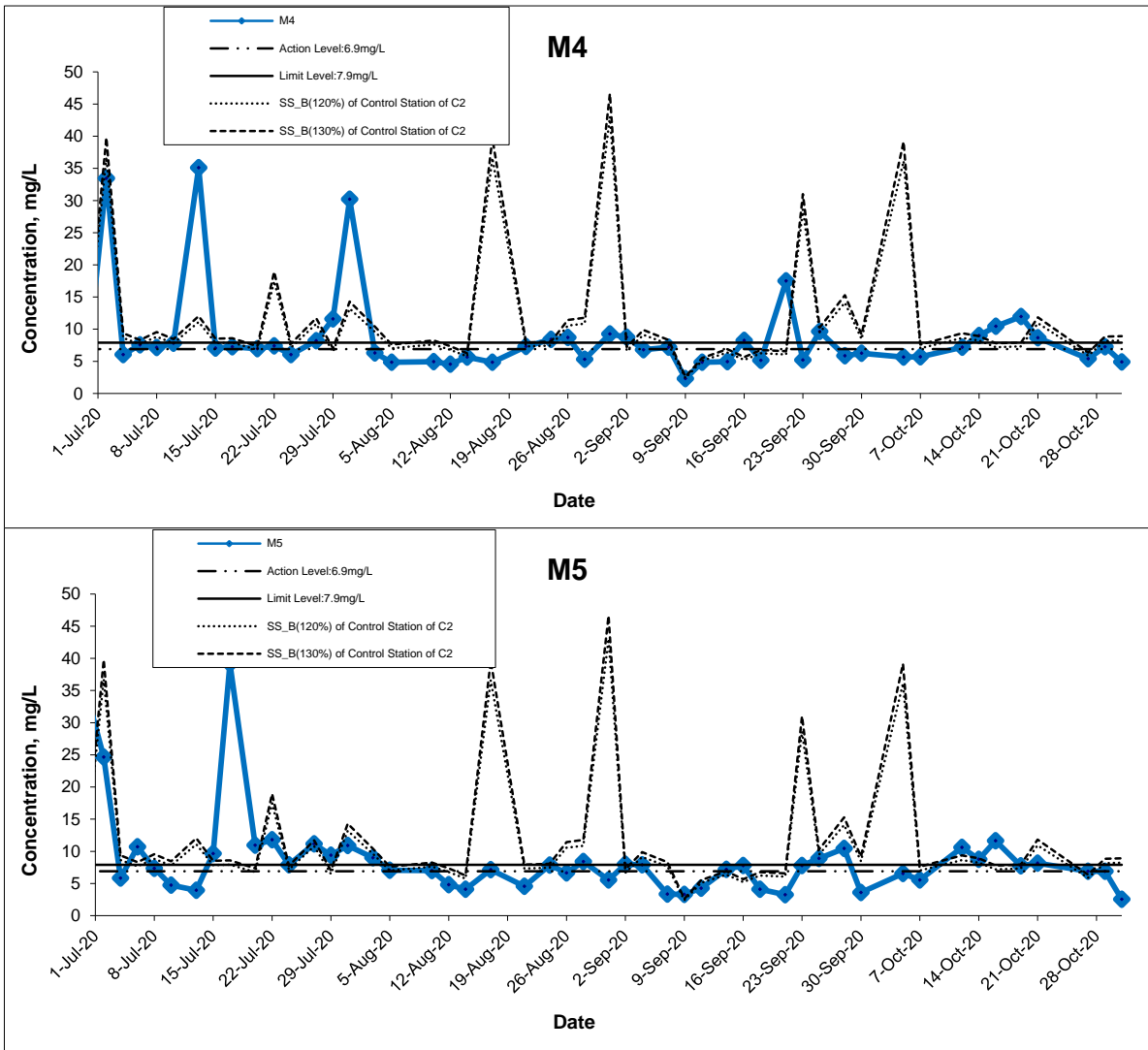
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### Suspended Solids (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

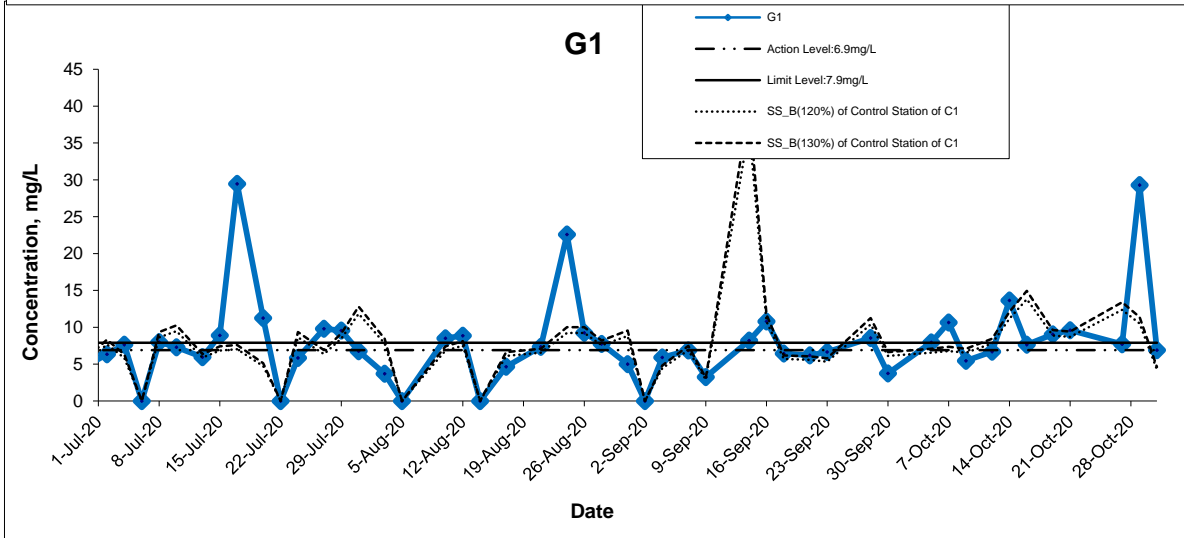
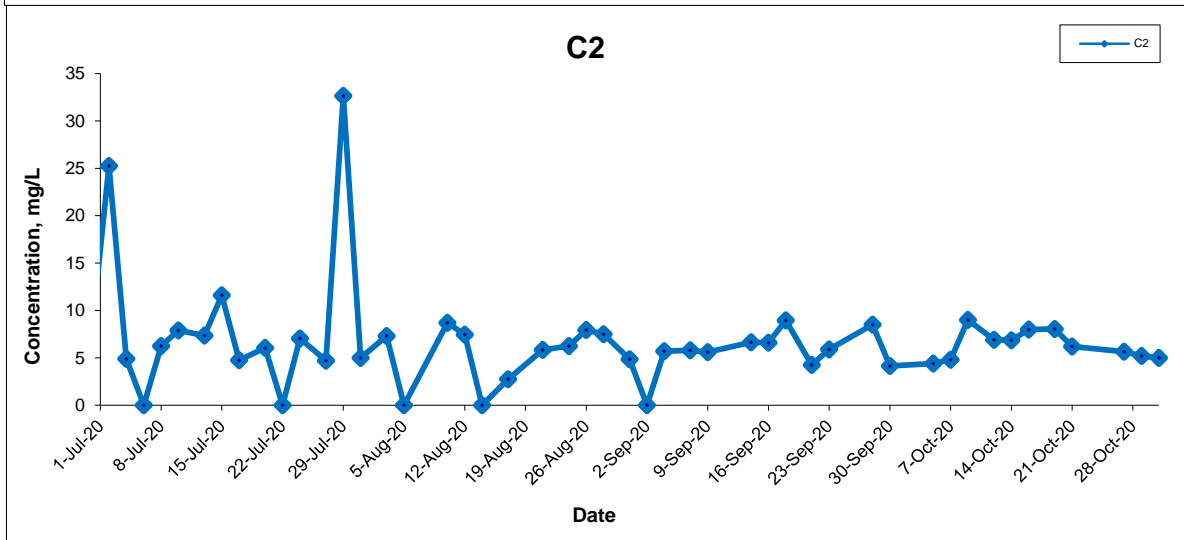
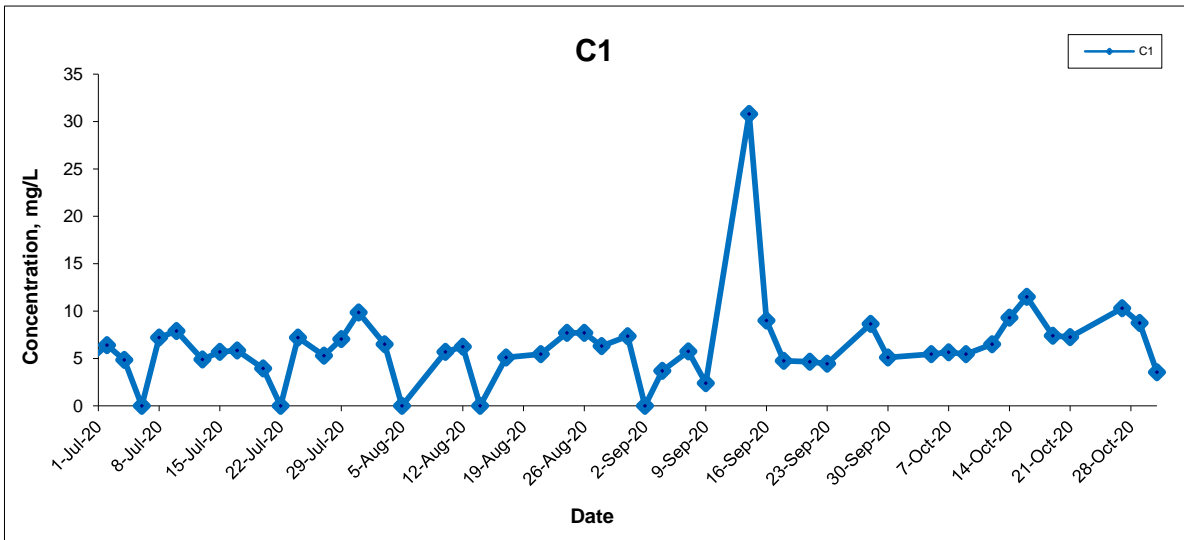
Date Oct 20

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## Suspended Solids (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

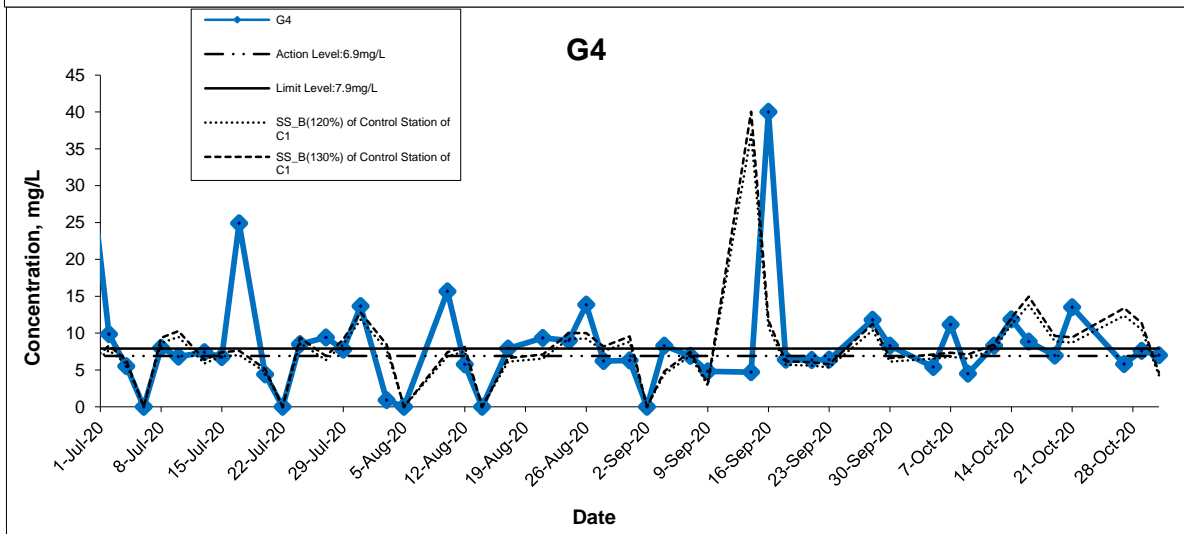
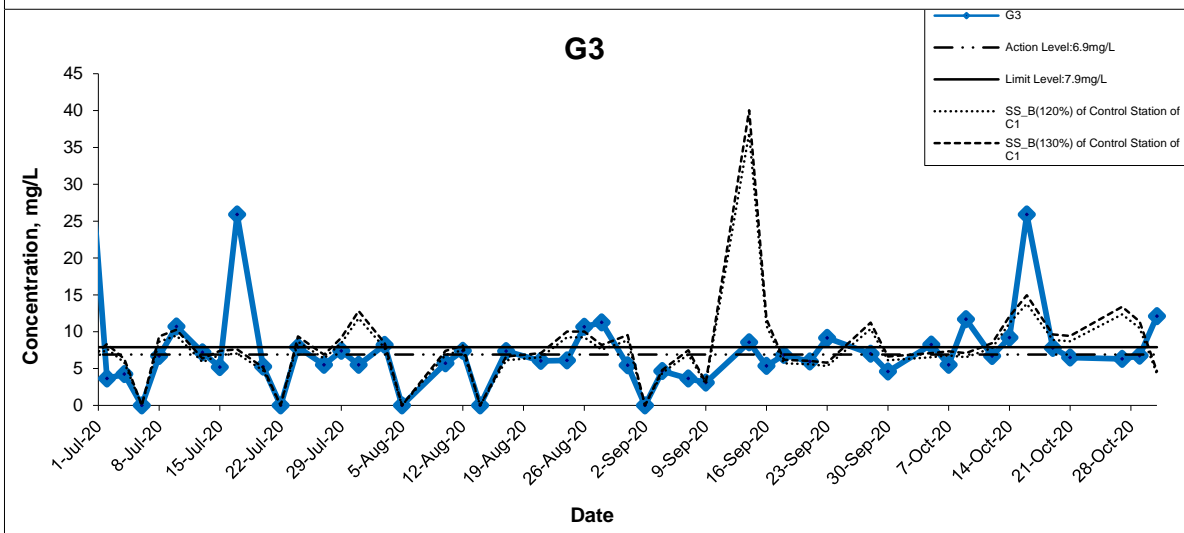
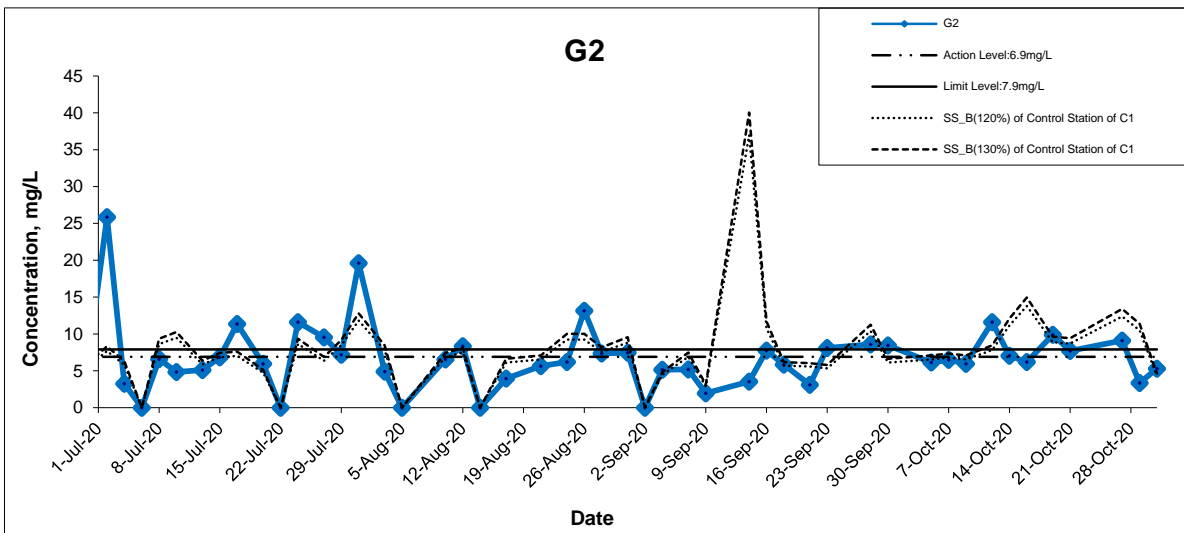
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## Suspended Solids (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

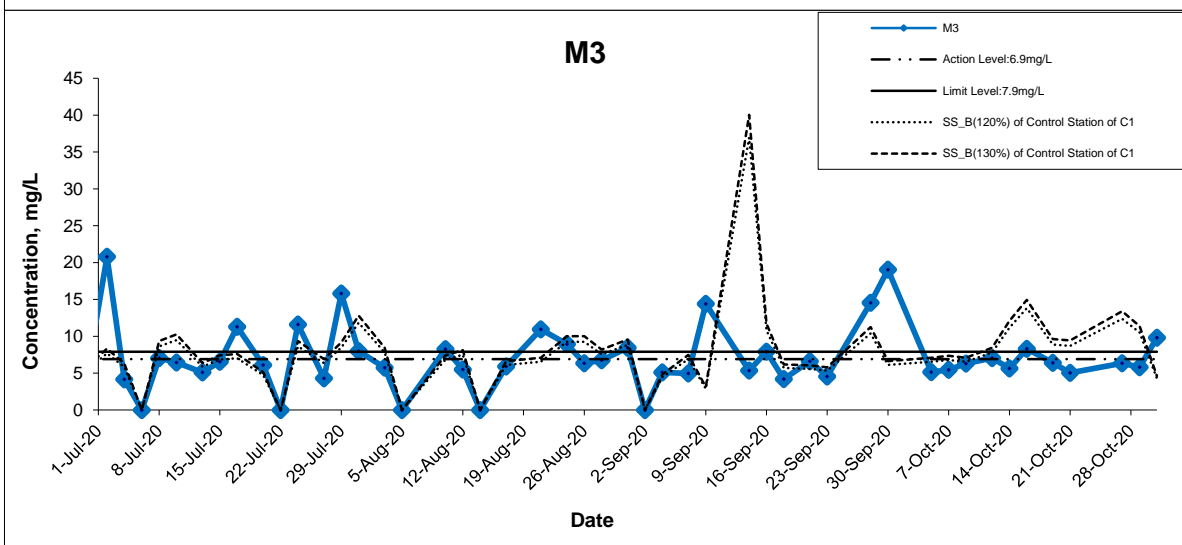
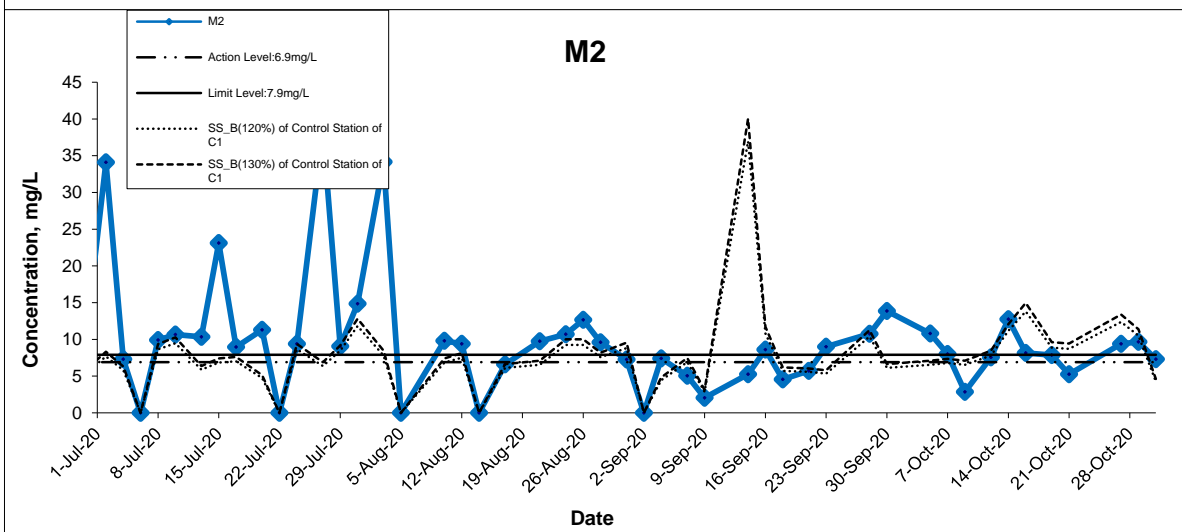
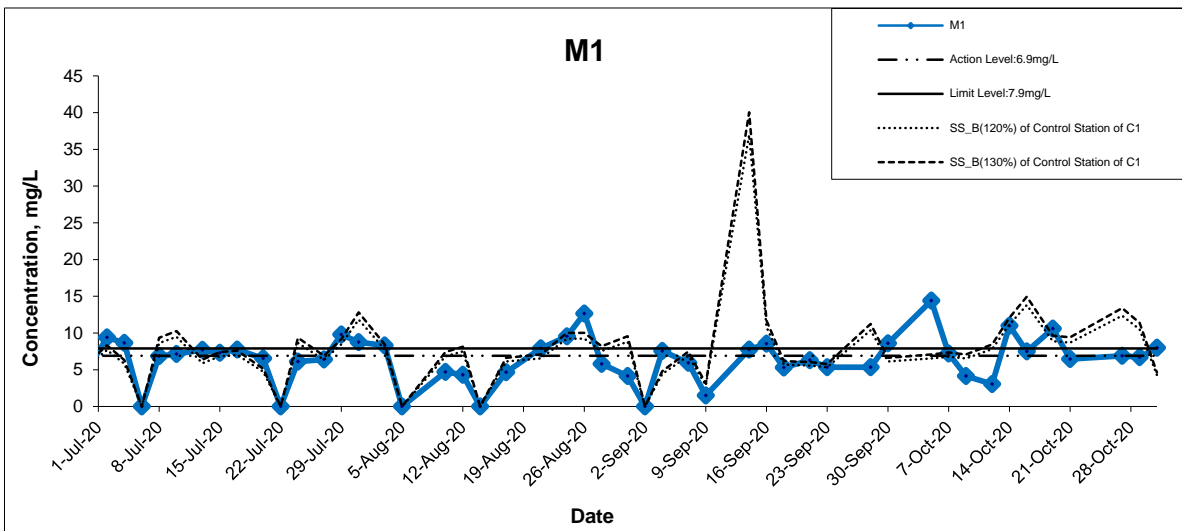
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## Suspended Solids (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

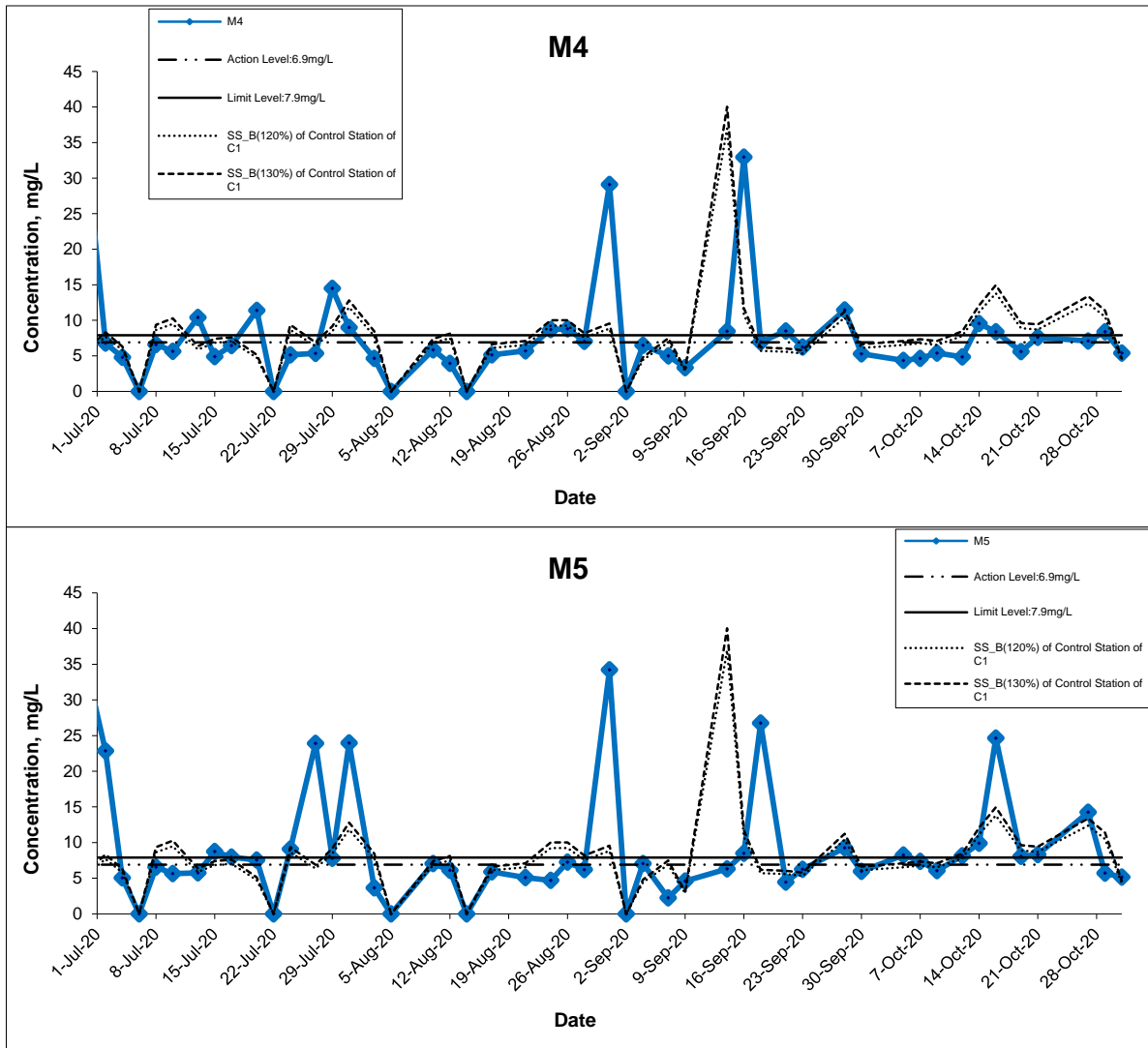
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## Suspended Solids (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

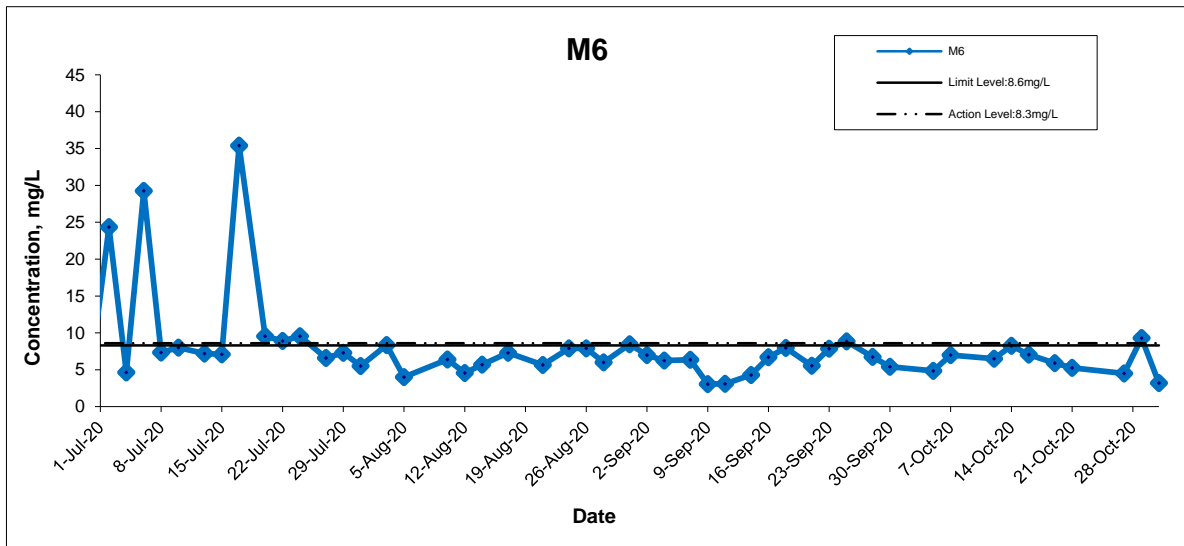
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**CINOTECH**

## Suspended Solids (Intake Level of WSD Salt Water Intake) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

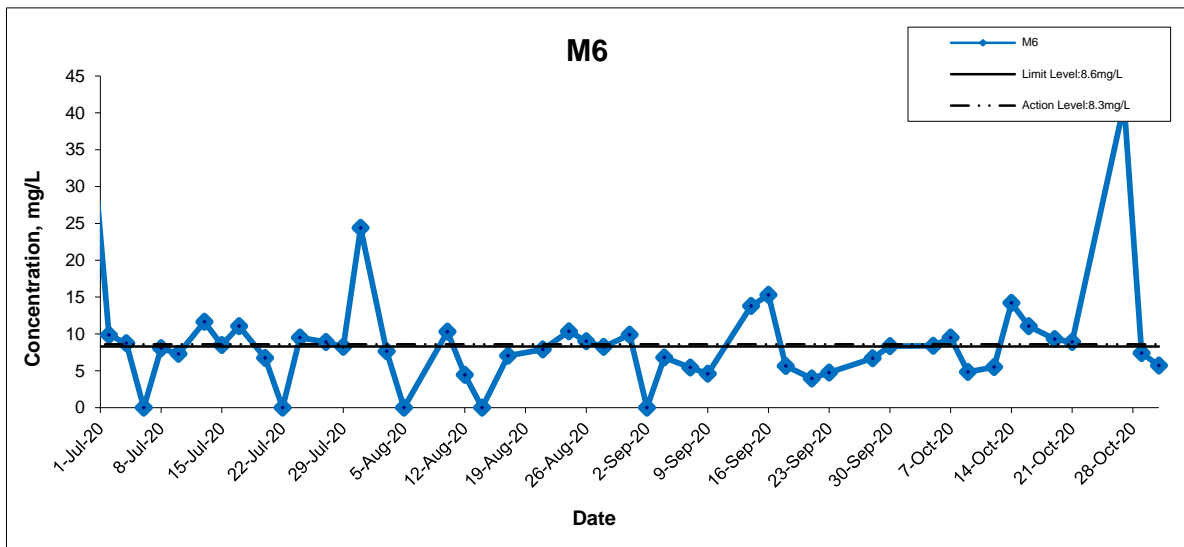
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## Suspended Solids (Intake Level of WSD Salt Water Intake) at Mid-Flood Tide



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