Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Water Quality Monitoring Results on 03 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	17:50	Surface	1.0	22.4	22.4	8.3	8.3	35.2	35.2	93.1	93.2	6.6	6.6	6.6	1.4	1.4	1.7	3.2	3.1	3.7
						22.4		8.3		35.2		93.2		6.6			1.3			2.9		
				Middle	9.1	22.3	22.3	8.3	8.3	35.3	35.3	92.8	92.8	6.6	6.6		1.4	1.4		4.0	3.9	
						22.3		8.3		35.3		92.8		6.6			1.4			3.7		
				Bottom	17.1	22.3	22.3	8.3	8.3	35.3	35.3	92.9	92.9	6.6	6.6	6.6	2.2	2.2		4.8	4.3	
						22.3		8.3		35.3		92.8		6.6			2.2			3.7		
C2	Sunny	Calm	16:32	Surface	1.1	22.5	22.5	8.8	8.5	35.1	35.1	91.4	91.7	6.5	6.5	6.5	1.0	1.0	1.2	3.4	3.4	3.6
						22.5		8.2		35.1		92.0		6.5			1.0			3.4		
				Middle	16.0	22.4	22.4	8.3	8.3	35.2	35.2	91.2	91.2	6.5	6.5		1.1	1.1		3.8	3.4	
						22.3		8.2		35.2		91.2		6.5			1.2			3.0		
				Bottom	31.0	22.3	22.3	8.3	8.3	35.2	35.2	91.3	91.4	6.5	6.5	6.5	1.6	1.5		4.2	3.9	
						22.3		8.2		35.2		91.5		6.5			1.5			3.5		
G1	Sunny	Calm	17:06	Surface	1.0	22.8	22.8	8.3	8.3	35.3	35.2	95.2	95.2	6.7	6.7	6.7	1.2	1.2	1.3	3.1	3.6	3.0
						22.7		8.3		35.2		95.2		6.7			1.1			4.0		
				Middle	4.0	22.6	22.5	8.3	8.3	35.3	35.3	94.8	94.8	6.7	6.7		1.3	1.3		2.5	2.7	
						22.5		8.3		35.3		94.8		6.7			1.2			2.8		
				Bottom	7.0	22.3	22.3	8.3	8.3	35.3	35.3	92.8	93.0	6.6	6.6	6.6	1.3	1.4		2.8	2.9	
						22.3		8.3		35.3		93.2		6.6			1.4			3.0		
G2	Sunny	Calm	16:53	Surface	1.1	22.7	22.6	8.3	8.3	35.2	35.2	95.3	95.3	6.7	6.7	6.7	1.0	1.0	1.0	3.8	4.0	3.5
						22.6		8.3		35.2		95.2		6.7			1.0			4.1		
				Middle	5.1	22.3	22.3	8.3	8.3	35.3	35.3	94.2	94.4	6.7	6.7		1.0	1.0		3.0	3.3	
						22.3		8.3		35.3		94.5		6.7			1.1			3.5		
				Bottom	9.0	22.2	22.2	8.3	8.3	35.3	35.3	94.6	94.7	6.7	6.7	6.7	1.0	1.0		3.6	3.4	
						22.2		8.3		35.3		94.7		6.7			1.0			3.1		
G3	Sunny	Calm	17:15	Surface	1.0	23.2	23.1	8.3	8.3	35.1	35.0	96.6	96.5	6.8	6.8	6.8	1.6	1.6	1.8	4.0	3.6	3.4
						23.1		8.3		35.0		96.4		6.8			1.5			3.1		
				Middle	4.1	22.6	22.7	8.3	8.3	35.3	35.3	96.1	96.1	6.8	6.8		1.9	1.8		3.5	3.3	
						22.7		8.3		35.3		96.1		6.8			1.8			3.0		
				Bottom	7.1	22.5	22.5	8.3	8.3	35.3	35.3	95.3	95.0	6.7	6.7	6.7	2.0	2.0		3.4	3.3	
						22.5		8.3		35.3		94.7		6.7			1.9			3.1		
G4	Sunny	Calm	17:30	Surface	1.1	23.2	23.2	8.3	8.3	35.1	35.1	97.4	97.3	6.8	6.8	6.8	1.6	1.6	1.7	3.4	3.8	3.2
						23.2		8.3		35.1		97.2		6.8			1.7			4.2		
				Middle	4.1	22.8	22.8	8.3	8.3	35.2	35.2	95.9	96.1	6.7	6.8		1.7	1.8		2.8	3.1	
						22.9		8.3		35.2		96.3		6.8			1.8			3.4		
				Bottom	7.0	22.7	22.6	8.3	8.3	35.2	35.2	95.6	95.5	6.7	6.7	6.7	1.8	1.8		2.4	2.8	
						22.6		8.3		35.2		95.4		6.7			1.9			3.2		
M1	Sunny	Calm	17:00	Surface	1.1	22.7	22.8	8.3	8.3	35.2	35.2	94.0	94.0	6.6	6.6	6.6	1.7	1.6	1.7	2.8	3.0	2.5
						22.9		8.3		35.2		93.9		6.6			1.6			3.2		
				Middle	3.1	22.8	22.8	8.3	8.3	35.2	35.2	93.8	93.7	6.6	6.6		1.8	1.8		2.8	2.9	
						22.8		8.3		35.2		93.6		6.6			1.8			2.9		
				Bottom	5.1	22.5	22.5	8.3	8.3	35.3	35.3	92.8	92.7	6.6	6.5	6.5	1.8	1.8		1.7	1.6	
						22.5		8.3		35.3		92.5		6.5			1.9			1.4		
M2	Sunny	Calm	16:48	Surface	1.1	22.6	22.6	8.3	8.3	35.3	35.3	94.9	95.1	6.7	6.7	6.7	1.2	1.2	1.2	3.6	3.3	2.8
						22.6		8.3		35.3		95.2		6.7			1.3			3.0		
				Middle	6.0	22.3	22.3	8.3	8.3	35.3	35.3	94.4	94.5	6.7	6.7		1.2	1.2		2.4	2.8	
						22.3		8.3		35.3		94.5		6.7			1.2			3.2		
				Bottom	11.0	22.1	22.1	8.3	8.3	35.4	35.4	94.5	94.6	6.7	6.7	6.7	1.2	1.2		2.8	2.4	
						22.1		8.3		35.4		94.7		6.7			1.2			2.0		
M3	Sunny	Calm	17:23	Surface	1.0	23.2	23.0	8.3	8.3	35.0	35.1	95.9	96.3	6.7	6.7	6.8	1.4	1.4	1.6	4.5	4.2	3.9
						22.9		8.3		35.1		96.7		6.8			1.4			3.9		
				Middle	4.0	22.6	22.7	8.3	8.3	35.2	35.2	95.9	96.2	6.8	6.8		1.7	1.7		3.6	3.8	
						22.7		8.3		35.2		96.4		6.8			1.7			4.0		
				Bottom	7.0	22.6	22.6	8.3	8.3	35.3	35.3	95.6	95.8	6.7	6.8	6.8	1.7	1.7		3.5	3.7	
						22.6		8.3		35.3		95.9		6.8			1.7			3.8		
M4	Sunny	Calm	16:40	Surface	1.0	22.3	22.3	8.3	8.3	35.3	35.3	93.1	93.2	6.6	6.6	6.6	1.3	1.4	1.5	3.5	4.0	3.6
						22.3		8.3		35.3		93.2		6.6			1.4			4.4		
				Middle	5.0	22.1	22.2	8.3	8.3	35.3	35.3	93.6	93.4	6.7	6.6		1.5	1.5		4.0	3.6	
						22.2		8.3		35.3		93.1		6.6			1.6			3.2		
				Bottom	9.1	22.1	22.1	8.3	8.3	35.4	35.4	93.7	93.7	6.7	6.7	6.7	1.6	1.7		3.4	3.1	
						22.1		8.3		35.4		93.7		6.7			1.7			2.8		
M5	Sunny	Calm	17:42	Surface	1.0	22.7	22.7	8.3	8.3	35.2	35.2	94.6	94.2	6.7	6.6	6.6	1.2	1.2	1.5	2.6	2.4	3.5
						22.7		8.3		35.2		93.8		6.6			1.2			2.2		
				Middle	6.0	22.2	22.2	8.3	8.3	35.3	35.3	93.3	93.4	6.6	6.6		1.4	1.4		4.1	3.7	
						22.3		8.3		35.3		93.4		6.6			1.4			3.3		
				Bottom	11.1	22.1	22.1	8.4	8.4	35.4	35.4	94.9	94.9	6.8	6.7	6.7	1.8	1.8		4.2	4.4	
						22.1		8.4		35.4		94.8		6.7			1.9			4.6		
M6	Sunny	Calm	17:35	Surface	-	-	-	-	-	-	-	-	-	-	-	6.7	-	-	1.8	-	-	3.0
						-		-		-		-		-			-			-		
				Middle	2.1	22.6	22.7	8.3	8.3	35.2	35.2	94.7	95.0	6.7	6.7		1.8	1.8		2.5	3.0	
						22.8		8.3		35.2		95.3		6.7			1.7			3.4		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 3 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 1.8 NTU	***C2: 2.0 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 4.1 mg/L	***C2: 4.4 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 4.1 mg/L	***C2: 4.4 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 4.6 mg/L	***C2: 5.0 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 03 May 2021

(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	10:56	Surface	1.1	22.5	22.4	8.3	8.3	35.1	35.2	93.3	92.8	6.6	6.6	6.6	1.0	1.0	1.7	3.0	2.8	3.5
						22.4		8.3		35.2		92.3		6.5			1.1			2.6		
				Middle	9.0	22.1	22.1	8.3	8.3	35.3	35.3	94.0	94.0	6.7	6.7		1.3	1.3		3.7	3.6	
						22.1		8.3		35.3		94.0		6.7			1.3			3.4		
				Bottom	17.1	21.8	21.8	8.4	8.4	35.5	35.5	95.5	95.6	6.8	6.8	6.8	2.9	2.8		3.8	4.2	
						21.8		8.4		35.5		95.7		6.8			2.6			4.5		
C2	Sunny	Calm	9:46	Surface	1.0	22.4	22.3	8.0	8.2	35.2	35.2	92.4	91.9	6.5	6.5	6.5	1.9	1.9	2.1	4.8	4.8	4.3
						22.3		8.3		35.2		91.3		6.5			1.8			4.8		
				Middle	16.0	22.3	22.3	8.3	8.3	35.2	35.2	90.7	90.8	6.4	6.4		2.0	2.0		4.0	4.3	
						22.3		8.3		35.2		90.9		6.4			2.0			4.5		
				Bottom	31.1	22.3	22.3	8.3	8.3	35.2	35.2	91.0	91.0	6.5	6.5	6.5	2.4	2.4		3.6	3.9	
						22.3		8.3		35.2		90.9		6.5			2.3			4.2		
G1	Sunny	Calm	10:18	Surface	1.0	22.6	22.6	8.3	8.3	35.1	35.0	93.8	93.6	6.6	6.6	6.6	0.8	0.8	0.9	2.2	2.4	3.2
						22.6		8.3		35.0		93.3		6.6			0.7			2.6		
				Middle	4.1	22.5	22.5	8.3	8.3	35.3	35.3	93.6	93.4	6.6	6.6		0.9	0.9		3.2	3.5	
						22.5		8.3		35.3		93.2		6.6			0.9			3.8		
				Bottom	7.1	22.4	22.4	8.3	8.3	35.3	35.3	93.7	93.6	6.6	6.6	6.6	1.0	1.1		3.2	3.6	
						22.3		8.3		35.3		93.4		6.6			1.2			4.0		
G2	Sunny	Calm	10:04	Surface	1.0	22.4	22.4	8.3	8.3	35.1	35.1	93.6	92.6	6.6	6.6	6.5	1.0	1.0	1.1	2.9	3.2	2.9
						22.3		8.3		35.2		91.6		6.5			1.1			3.5		
				Middle	5.0	22.3	22.3	8.3	8.3	35.2	35.2	91.5	91.4	6.5	6.5		1.2	1.2		3.3	3.1	
						22.3		8.3		35.2		91.3		6.5			1.2			2.8		
				Bottom	9.1	22.3	22.3	8.3	8.3	35.2	35.2	91.3	91.3	6.5	6.5	6.5	1.0	1.1		2.2	2.4	
						22.3		8.3		35.2		91.2		6.5			1.1			2.5		
G3	Sunny	Calm	10:24	Surface	1.0	22.5	22.5	8.3	8.3	35.2	35.2	94.7	94.3	6.7	6.7	6.7	0.9	0.9	0.9	4.6	4.6	4.0
						22.5		8.3		35.2		93.9		6.6			0.9			4.5		
				Middle	4.0	22.4	22.4	8.3	8.3	35.3	35.3	94.1	93.9	6.7	6.6		0.9	1.0		4.0	3.6	
						22.4		8.3		35.3		93.7		6.6			1.0			3.2		
				Bottom	7.0	22.3	22.3	8.3	8.3	35.3	35.3	94.3	94.1	6.7	6.7	6.7	1.0	1.0		3.9	3.8	
						22.4		8.3		35.3		93.8		6.6			1.0			3.6		
G4	Sunny	Calm	10:37	Surface	1.1	22.6	22.7	8.3	8.3	35.2	35.1	91.3	90.6	6.4	6.4	6.5	0.4	0.4	1.1	3.7	3.7	4.3
						22.8		8.3		35.0		89.9		6.3			0.4			3.7		
				Middle	4.0	22.4	22.4	8.3	8.3	35.3	35.3	92.5	92.5	6.5	6.5		0.6	0.6		4.0	4.1	
						22.4		8.3		35.3		92.4		6.5			0.6			4.2		
				Bottom	7.0	22.3	22.3	8.3	8.3	35.3	35.3	87.9	87.4	6.2	6.2	6.2	2.0	2.2		4.6	5.0	
						22.3		8.3		35.3		86.9		6.2			2.4			5.3		
M1	Sunny	Calm	10:12	Surface	1.0	22.7	22.7	8.3	8.3	35.1	35.1	92.9	92.0	6.6	6.5	6.5	0.8	0.8	0.8	5.4	5.0	4.6
						22.7		8.3		35.1		91.1		6.4			0.8			4.5		
				Middle	3.1	22.6	22.6	8.3	8.3	35.2	35.2	91.8	91.5	6.5	6.4		0.8	0.8		5.0	4.7	
						22.6		8.3		35.2		91.1		6.4			0.8			4.4		
				Bottom	5.1	22.5	22.5	8.3	8.3	35.3	35.3	91.5	91.4	6.5	6.5	6.5	0.8	0.9		4.6	4.2	
						22.5		8.3		35.3		91.2		6.4			0.9			3.8		
M2	Sunny	Calm	9:59	Surface	1.0	22.4	22.4	8.3	8.3	35.2	35.2	93.1	92.6	6.6	6.6	6.5	0.6	0.6	0.9	6.1	6.3	5.1
						22.4		8.3		35.2		92.0		6.5			0.6			6.4		
				Middle	6.0	22.2	22.2	8.3	8.3	35.3	35.3	91.3	91.4	6.5	6.5		0.8	0.8		5.0	5.3	
						22.3		8.3		35.3		91.4		6.5			0.8			5.6		
				Bottom	11.0	22.1	22.1	8.3	8.3	35.4	35.4	92.1	92.3	6.5	6.6	6.6	1.4	1.4		3.9	3.8	
						22.1		8.3		35.4		92.5		6.6			1.5			3.7		
M3	Sunny	Calm	10:31	Surface	1.1	22.6	22.6	8.3	8.3	35.2	35.2	94.9	94.8	6.7	6.7	6.7	0.9	0.8	0.9	4.8	5.0	3.9
						22.6		8.3		35.1		94.6		6.7			0.8			5.2		
				Middle	4.0	22.5	22.5	8.3	8.3	35.3	35.3	94.3	94.3	6.7	6.7		0.9	0.9		3.5	3.8	
						22.5		8.3		35.3		94.3		6.7			0.9			4.0		
				Bottom	7.0	22.4	22.4	8.3	8.3	35.3	35.3	95.8	95.5	6.8	6.8	6.8	0.9	0.9		2.7	3.0	
						22.4		8.3		35.3		95.2		6.7			0.9			3.2		
M4	Sunny	Calm	9:53	Surface	1.0	22.3	22.3	8.3	8.3	35.3	35.3	92.4	92.3	6.6	6.5	6.6	1.0	1.0	1.7	2.7	2.9	3.9
						22.3		8.3		35.3		92.1		6.5			1.1			3.0		
				Middle	5.0	22.1	22.1	8.3	8.3	35.4	35.3	93.3	93.0	6.6	6.6		1.4	1.3		4.0	4.3	
						22.1		8.3		35.3		92.7		6.6			1.3			4.5		
				Bottom	9.1	22.1	22.1	8.3	8.3	35.4	35.4	93.7	93.5	6.7	6.6	6.6	2.6	2.6		4.2	4.5	
						22.1		8.3		35.4		93.3		6.6			2.6			4.8		
M5	Sunny	Calm	10:50	Surface	1.0	22.4	22.4	8.3	8.3	35.1	35.1	91.4	91.1	6.5	6.4	6.5	1.1	1.1	2.0	3.0	2.9	3.7
						22.4		8.3		35.1		90.7		6.4			1.1			2.7		
				Middle	6.1	22.1	22.1	8.3	8.3	35.4	35.4	93.1	92.6	6.6	6.6		2.3	2.3		3.5	3.6	
						22.1		8.3		35.4		92.0		6.5			2.3			3.6		
				Bottom	11.1	22.0	22.0	8.3	8.3	35.4	35.4	94.0	94.2	6.7	6.7	6.7	2.7	2.7		4.5	4.8	
						22.0		8.4		35.4		94.4		6.7			2.6			5.1		
M6	Sunny	Calm	10:43	Surface	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-	1.0	-	-	5.0
						-		-		-		-		-			-			-		
				Middle	2.0	22.5	22.5	8.3	8.3	35.2	35.2	93.2	92.8	6.6	6.6		8.0	8.0		5.0	5.0	
						22.5		8.3		35.2		92.3		6.5			8.0			5.0		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 3 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 3.3 NTU	***C1: 3.6 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.4 mg/L	***C1: 3.6 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.4 mg/L	***C1: 3.6 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 5.0 mg/L	***C1: 5.4 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Moderate	8:57	Surface	1.0	22.3	22.3	8.1	8.1	34.8	34.8	91.6	91.3	6.5	6.5	6.5	2.0	2.0	1.9	2.3	2.1	2.7
						22.3		8.1		34.8		91.0		6.5			2.0			1.8		
				Middle	9.0	22.3	22.3	8.1	8.1	34.9	34.9	90.0	90.0	6.4	6.4		2.0	1.9		2.0	2.5	
						22.3		8.1		34.9		90.0		6.4			1.9			2.9		
				Bottom	17.0	22.3	22.3	8.1	8.1	34.9	34.9	90.3	90.4	6.4	6.4	6.4	1.8	1.8		4.0	3.6	
						22.3		8.1		34.9		90.4		6.4			1.8			3.1		
C2	Sunny	Moderate	8:04	Surface	1.1	22.2	22.2	7.7	7.8	34.8	34.8	90.5	90.1	6.5	6.4	6.3	2.5	2.5	2.9	2.5	3.0	2.6
						22.3		8.0		34.8		89.6		6.4			2.5			3.4		
				Middle	16.1	22.2	22.2	7.8	7.9	34.9	34.9	87.7	87.8	6.3	6.3		3.0	3.0		2.2	2.6	
						22.2		8.0		34.9		87.8		6.3			2.9			3.0		
				Bottom	31.0	22.2	22.2	8.0	8.0	35.0	35.0	88.0	88.1	6.3	6.3	6.3	3.4	3.4		2.4	2.4	
						22.2		8.0		35.0		88.1		6.3			3.4			2.3		
G1	Sunny	Moderate	8:31	Surface	1.0	22.3	22.3	8.1	8.1	34.7	34.7	88.9	88.9	6.3	6.3	6.3	2.9	3.0	3.6	2.8	2.9	2.5
						22.3		8.1		34.7		88.9		6.3			3.0			2.9		
				Middle	4.5	22.3	22.2	8.1	8.1	34.8	34.8	88.5	88.6	6.3	6.3		3.8	3.9		2.8	2.8	
						22.2		8.1		34.8		88.6		6.3			3.9			2.7		
				Bottom	7.1	22.2	22.2	8.1	8.1	34.8	34.8	89.4	89.6	6.4	6.4	6.4	4.0	3.9		2.4	2.0	
						22.2		8.1		34.8		89.8		6.4			3.9			1.5		
G2	Sunny	Moderate	8:23	Surface	1.1	22.3	22.3	8.1	8.1	34.7	34.7	94.0	93.8	6.7	6.7	6.6	1.4	1.4	1.9	2.7	2.9	4.0
						22.3		8.1		34.8		93.5		6.7			1.4			3.0		
				Middle	5.0	22.3	22.3	8.1	8.1	34.8	34.8	92.0	92.1	6.6	6.6		1.7	1.7		3.6	4.1	
						22.3		8.1		34.8		92.1		6.6			1.7			4.6		
				Bottom	9.1	22.2	22.2	8.1	8.1	34.9	34.9	92.8	92.9	6.6	6.6	6.6	2.5	2.4		5.2	5.1	
						22.2		8.1		34.9		92.9		6.6			2.4			5.0		
G3	Sunny	Moderate	8:36	Surface	1.1	22.3	22.3	8.1	8.1	34.7	34.7	92.8	92.4	6.6	6.6	6.5	1.3	1.3	1.4	1.9	2.1	2.5
						22.2		8.1		34.8		92.0		6.6			1.3			2.3		
				Middle	4.0	22.2	22.2	8.1	8.1	34.8	34.8	89.8	89.9	6.4	6.4		1.4	1.5		2.1	2.6	
						22.2		8.1		34.8		89.9		6.4			1.5			3.0		
				Bottom	7.0	22.2	22.2	8.1	8.1	34.8	34.8	89.3	89.3	6.4	6.3	6.3	1.4	1.4		2.6	3.0	
						22.2		8.1		34.8		89.2		6.3			1.4			3.3		
G4	Sunny	Moderate	8:44	Surface	1.0	22.3	22.3	8.1	8.1	34.8	34.8	90.0	89.9	6.4	6.4	6.4	1.7	1.7	1.9	4.4	4.7	3.6
						22.3		8.1		34.8		89.7		6.4			1.7			5.0		
				Middle	4.0	22.3	22.3	8.1	8.1	34.8	34.8	89.2	89.2	6.3	6.3		1.9	1.9		4.0	3.9	
						22.3		8.1		34.8		89.2		6.3			1.8			3.7		
				Bottom	7.0	22.2	22.2	8.1	8.1	34.8	34.8	90.2	90.5	6.4	6.4	6.4	2.1	2.1		2.7	2.3	
						22.2		8.1		34.8		90.8		6.5			2.1			1.9		
M1	Sunny	Moderate	8:27	Surface	1.0	22.2	22.3	8.1	8.1	34.7	34.7	89.4	89.1	6.4	6.3	6.3	2.0	2.0	2.1	1.6	1.7	1.9
						22.3		8.1		34.7		88.7		6.3			2.0			1.8		
				Middle	3.0	22.3	22.3	8.1	8.1	34.7	34.7	88.7	88.7	6.3	6.3		2.3	2.3		1.5	1.8	
						22.3		8.1		34.7		88.6		6.3			2.3			2.1		
				Bottom	5.0	22.2	22.3	8.1	8.1	34.7	34.7	88.7	88.7	6.3	6.3	6.3	2.1	2.1		2.1	2.2	
						22.3		8.1		34.7		88.7		6.3			2.1			2.2		
M2	Sunny	Moderate	8:18	Surface	1.1	22.3	22.3	8.1	8.1	34.7	34.8	91.2	91.3	6.5	6.5	6.5	1.4	1.4	2.0	5.5	5.9	3.4
						22.3		8.1		34.8		91.3		6.5			1.4			6.2		
				Middle	6.0	22.3	22.3	8.1	8.1	34.9	34.9	91.9	91.9	6.5	6.5		2.1	2.0		2.6	2.5	
						22.3		8.1		34.9		91.9		6.5			2.0			2.4		
				Bottom	11.0	22.2	22.2	8.1	8.1	34.9	34.9	92.3	92.4	6.6	6.6	6.6	2.6	2.6		2.4	2.0	
						22.3		8.1		34.9		92.5		6.6			2.6			1.5		
M3	Sunny	Moderate	8:40	Surface	1.1	22.3	22.3	8.1	8.1	34.7	34.7	91.0	90.6	6.5	6.5	6.4	1.2	1.3	1.6	3.4	3.0	2.8
						22.3		8.1		34.7		90.1		6.4			1.3			2.6		
				Middle	4.1	22.2	22.2	8.1	8.1	34.8	34.7	89.4	89.4	6.4	6.4		1.4	1.4		2.9	2.9	
						22.3		8.1		34.7		89.4		6.4			1.4			2.8		
				Bottom	7.0	22.2	22.2	8.1	8.1	34.8	34.8	87.8	87.5	6.2	6.2	6.2	2.1	2.1		2.6	2.5	
						22.2		8.1		34.8		87.1		6.2			2.0			2.3		
M4	Sunny	Moderate	8:13	Surface	1.1	22.3	22.3	8.0	8.1	34.8	34.8	90.6	90.6	6.5	6.5	6.4	2.9	2.9	2.7	3.6	3.2	2.5
						22.3		8.1		34.8		90.6		6.5			2.9			2.7		
				Middle	5.0	22.2	22.2	8.1	8.1	34.9	34.9	90.4	90.4	6.4	6.4		2.8	2.8		3.2	2.7	
						22.2		8.1		34.9		90.4		6.4			2.8			2.2		
				Bottom	9.0	22.2	22.2	8.1	8.1	34.9	34.9	90.5	90.6	6.4	6.4	6.4	2.3	2.4		2.0	1.7	
						22.2		8.1		34.9		90.6		6.4			2.6			1.4		
M5	Sunny	Moderate	8:53	Surface	1.1	22.3	22.3	8.1	8.1	34.8	34.8	95.0	94.4	6.8	6.7	6.6	2.6	2.6	2.6	1.8	1.9	2.4
						22.3		8.1		34.8		93.7		6.7			2.6			2.0		
				Middle	6.2	22.2	22.3	8.1	8.1	34.8	34.8	91.4	91.4	6.5	6.5		2.8	2.8		2.5	2.6	
						22.3		8.1		34.8		91.4		6.5			2.8			2.7		
				Bottom	11.0	22.2	22.2	8.1	8.1	34.9	34.9	91.1	91.2	6.5	6.5	6.5	2.4	2.5		3.0	2.8	
						22.2		8.1		34.9		91.2		6.5			2.5			2.5		
M6	Sunny	Moderate	8:49	Surface	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	2.0	-	-	2.9
						-		-		-		-		-			-			-		
				Middle	2.2	22.3	22.3	8.1	8.1	34.7	34.7	88.6	88.4	6.3	6.3		2.0	2.0		2.6	2.9	
						22.3		8.1		34.7		88.1		6.3			2.0			3.2		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 5 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 4.0 NTU	***C2: 4.4 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.5 mg/L	***C2: 3.8 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.5 mg/L	***C2: 3.8 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 2.8 mg/L	***C2: 3.1 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	11:11	Surface	1.0	24.4	24.4	8.2	8.2	33.5	33.5	92.6	92.6	6.4	6.4	6.4	1.0	1.0	1.1	2.6	2.5	1.9
						24.4		8.2		33.5		92.5		6.4			1.0			2.3		
				Middle	8.6	24.2	24.2	8.2	8.2	33.8	33.8	91.8	91.9	6.3	6.3		1.0	1.0		1.6	1.9	
						24.2		8.2		33.7		91.9		6.4			1.0			2.1		
				Bottom	16.1	23.4	23.4	8.2	8.2	34.9	34.9	90.0	89.9	6.3	6.3	6.3	1.4	1.4		1.4	1.3	
						23.4		8.2		35.0		89.7		6.3			1.4			1.1		
C2	Sunny	Calm	9:45	Surface	1.1	24.5	24.5	8.0	8.0	33.1	33.1	91.2	91.2	6.3	6.3	6.4	2.1	2.1	1.4	<0.1	<0.1	1.2
						24.5		8.0		33.2		91.2		6.3			2.1			<0.1		
				Middle	16.1	24.1	24.1	8.1	8.1	34.4	34.4	95.4	95.2	6.6	6.6		0.9	1.0		1.1	1.1	
						24.1		8.1		34.4		94.9		6.6			1.0			1.1		
				Bottom	31.0	24.0	24.0	8.1	8.1	34.5	34.5	96.0	96.1	6.6	6.6	6.6	1.0	1.0		2.4	2.4	
						24.0		8.1		34.5		96.1		6.6			1.1			2.3		
G1	Sunny	Calm	10:21	Surface	1.0	24.3	24.3	8.2	8.2	34.4	34.4	97.8	97.8	6.7	6.7	6.7	0.6	0.5	0.8	1.2	1.5	2.1
						24.3		8.2		34.4		97.7		6.7			0.5			1.8		
				Middle	3.7	24.2	24.2	8.2	8.2	34.4	34.4	97.2	97.3	6.7	6.7		0.6	0.6		1.7	2.1	
						24.2		8.2		34.4		97.4		6.7			0.6			2.4		
				Bottom	6.5	23.9	23.9	8.2	8.2	34.5	34.5	94.3	94.2	6.5	6.5	6.5	1.3	1.3		3.1	2.8	
						23.9		8.2		34.6		94.0		6.5			1.3			2.4		
G2	Sunny	Calm	10:04	Surface	1.1	24.5	24.5	8.2	8.2	34.3	34.3	97.6	97.6	6.7	6.7	6.7	0.4	0.4	0.8	2.4	2.6	2.2
						24.4		8.2		34.3		97.6		6.7			0.5			2.7		
				Middle	5.1	24.1	24.2	8.2	8.2	34.4	34.4	96.1	96.4	6.6	6.6		0.8	0.7		2.3	2.4	
						24.2		8.2		34.4		96.7		6.7			0.7			2.4		
				Bottom	9.1	23.9	23.9	8.2	8.2	34.6	34.6	93.8	93.8	6.5	6.5	6.5	1.1	1.2		2.1	1.8	
						23.9		8.2		34.6		93.7		6.5			1.2			1.5		
G3	Sunny	Calm	10:28	Surface	1.1	24.8	24.8	8.2	8.2	34.1	34.1	98.9	99.1	6.8	6.8	6.7	0.2	0.2	0.4	2.2	1.9	1.8
						24.8		8.2		34.1		99.2		6.8			0.2			1.6		
				Middle	3.7	24.1	24.1	8.2	8.2	34.5	34.5	97.3	97.4	6.7	6.7		0.4	0.4		1.4	1.8	
						24.1		8.2		34.5		97.4		6.7			0.4			2.1		
				Bottom	6.5	24.0	24.0	8.2	8.2	34.5	34.5	97.0	96.9	6.7	6.7	6.7	0.5	0.5		1.2	1.6	
						24.0		8.2		34.5		96.8		6.7			0.6			2.0		
G4	Sunny	Calm	10:43	Surface	1.0	24.9	24.9	8.2	8.2	34.1	34.1	99.8	99.9	6.8	6.8	6.7	0.4	0.4	0.9	3.8	3.5	2.3
						24.8		8.2		34.2		100.0		6.8			0.4			3.2		
				Middle	3.7	24.2	24.3	8.2	8.2	34.4	34.4	96.6	97.0	6.7	6.7		0.8	0.7		1.6	2.0	
						24.3		8.2		34.4		97.4		6.7			0.7			2.3		
				Bottom	6.5	24.0	24.0	8.2	8.2	34.5	34.5	94.9	94.6	6.6	6.5	6.5	1.4	1.5		1.6	1.6	
						23.9		8.2		34.6		94.2		6.5			1.6			1.5		
M1	Sunny	Calm	10:10	Surface	1.0	24.7	24.7	8.2	8.2	34.3	34.3	96.7	96.8	6.6	6.6	6.6	0.5	0.5	0.8	1.6	1.6	2.0
						24.6		8.2		34.3		96.9		6.6			0.5			1.5		
				Middle	3.1	24.5	24.5	8.2	8.2	34.4	34.4	95.7	95.8	6.6	6.6		0.8	0.9		2.0	1.9	
						24.5		8.2		34.4		95.9		6.6			0.9			1.8		
				Bottom	5.1	24.3	24.3	8.2	8.2	34.4	34.5	95.0	94.8	6.5	6.5	6.5	1.0	1.1		2.6	2.5	
						24.3		8.2		34.5		94.6		6.5			1.1			2.4		
M2	Sunny	Calm	9:58	Surface	1.0	24.7	24.7	8.2	8.2	34.4	34.4	100.5	100.5	6.9	6.9	6.8	0.6	0.5	0.8	1.2	1.4	1.4
						24.7		8.2		34.4		100.5		6.9			0.5			1.5		
				Middle	5.3	24.1	24.1	8.2	8.2	34.5	34.5	96.7	97.0	6.7	6.7		0.7	0.7		1.2	1.3	
						24.1		8.2		34.5		97.3		6.7			0.7			1.3		
				Bottom	9.5	23.9	23.8	8.2	8.2	34.6	34.6	95.1	94.8	6.6	6.6	6.6	1.0	1.1		1.7	1.6	
						23.8		8.2		34.7		94.4		6.5			1.2			1.4		
M3	Sunny	Calm	10:36	Surface	1.0	24.6	24.6	8.2	8.2	34.2	34.2	99.9	100.0	6.8	6.8	6.8	0.4	0.4	0.6	1.1	1.3	1.7
						24.6		8.2		34.2		100.0		6.9			0.4			1.4		
				Middle	3.8	24.3	24.3	8.2	8.2	34.4	34.4	98.1	98.5	6.8	6.8		0.5	0.5		2.1	1.8	
						24.4		8.2		34.4		98.9		6.8			0.5			1.5		
				Bottom	6.6	24.0	24.0	8.2	8.2	34.6	34.6	95.4	95.4	6.6	6.6	6.6	0.7	0.7		2.4	2.0	
						23.9		8.2		34.6		95.3		6.6			0.8			1.6		
M4	Sunny	Calm	9:52	Surface	1.0	24.7	24.7	8.1	8.1	34.0	34.0	98.2	98.3	6.7	6.7	6.7	0.8	0.7	0.7	1.8	1.5	1.7
						24.7		8.1		34.1		98.4		6.7			0.7			1.2		
				Middle	5.1	24.1	24.2	8.1	8.1	34.5	34.5	98.0	98.2	6.8	6.8		0.5	0.5		1.9	1.7	
						24.2		8.1		34.4		98.4		6.8			0.5			1.4		
				Bottom	9.1	23.9	23.9	8.1	8.1	34.6	34.6	95.6	95.6	6.6	6.6	6.6	1.0	1.0		1.8	1.9	
						23.9		8.1		34.6		95.6		6.6			1.0			1.9		
M5	Sunny	Calm	11:01	Surface	1.0	24.5	24.5	8.2	8.2	33.6	33.6	93.4	93.4	6.4	6.4	6.4	1.4	1.4	2.0	2.1	1.7	1.5
						24.5		8.2		33.6		93.3		6.4			1.4			1.2		
				Middle	5.5	24.3	24.3	8.2	8.2	33.7	33.7	92.5	92.5	6.4	6.4		2.2	2.2		1.2	1.4	
						24.3		8.2		33.7		92.5		6.4			2.2			1.6		
				Bottom	10.1	24.2	24.2	8.2	8.2	33.8	33.9	92.1	92.0	6.4	6.4	6.4	2.3	2.3		1.6	1.5	
						24.2		8.2		33.9		91.9		6.4			2.3			1.3		
M6	Sunny	Calm	10:51	Surface	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-	0.9	-	-	1.8
						-		-		-		-		-			-			-		
				Middle	2.1	24.3	24.3	8.2	8.2	34.3	34.3	95.3	95.4	6.6	6.6		0.9	0.9		1.5	1.8	
						24.3		8.2		34.3		95.4		6.6			0.8			2.0		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 7 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 1.2 NTU	***C2: 1.3 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: n.a. mg/L	***C2: n.a. mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: n.a. mg/L	***C2: n.a. mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 2.8 mg/L	***C2: 3.1 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 May 2021

(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	17:00	Surface	1.1	21.2	21.1	8.2	8.2	33.5	33.5	92.8	92.8	6.4	6.4	6.4	0.9	0.9	1.1	1.2	1.5	2.0
						21.0		8.2		33.5		92.7		6.4			0.9			1.8		
				Middle	9.1	20.9	21.0	8.2	8.2	34.0	34.0	91.9	91.8	6.4	6.4		1.1	1.1		2.2	2.0	
						21.1		8.2		34.0		91.7		6.4			1.0			1.8		
				Bottom	17.0	20.9	20.9	8.2	8.2	34.5	34.6	91.0	90.7	6.3	6.3	6.3	1.2	1.2		2.4	2.6	
						20.9		8.2		34.8		90.4		6.3			1.3			2.7		
C2	Sunny	Calm	15:16	Surface	1.1	21.9	21.4	8.0	8.0	33.2	33.2	91.2	91.3	6.3	6.3	6.4	2.0	2.1	1.1	2.1	2.4	1.8
						20.9		8.0		33.2		91.3		6.3			2.1			2.6		
				Middle	16.6	20.9	20.9	8.1	8.1	34.3	34.3	94.5	94.3	6.5	6.5		1.1	1.1		1.8	1.5	
						20.9		8.1		34.2		94.0		6.5			1.2			1.2		
				Bottom	32.1	20.9	20.9	8.1	8.1	34.5	34.5	96.1	96.1	6.6	6.6	6.6	1.0	0.9		1.6	1.6	
						20.9		8.1		34.5		96.1		6.6			0.9			1.6		
G1	Sunny	Calm	15:57	Surface	1.0	21.1	21.0	8.2	8.2	34.3	34.3	97.8	97.8	6.7	6.7	6.7	0.5	0.5	0.8	1.6	1.8	1.0
						20.9		8.2		34.4		97.8		6.7			0.5			1.9		
				Middle	4.0	20.9	20.9	8.2	8.2	34.4	34.4	96.8	96.9	6.7	6.7		0.7	0.6		1.6	1.3	
						20.8		8.2		34.4		96.9		6.7			0.6			1.0		
				Bottom	7.0	20.8	20.8	8.2	8.2	34.5	34.5	95.6	95.3	6.6	6.6	6.6	1.1	1.2		<0.1	<0.1	
						20.8		8.2		34.5		95.0		6.6			1.2			<0.1		
G2	Sunny	Calm	15:37	Surface	1.0	21.5	21.2	8.2	8.2	34.3	34.3	97.4	97.5	6.7	6.7	6.6	0.4	0.4	0.8	1.1	1.1	1.3
						20.9		8.2		34.3		97.5		6.7			0.4			1.0		
				Middle	5.0	20.9	20.9	8.2	8.2	34.4	34.4	95.0	95.3	6.6	6.6		0.9	0.8		1.2	1.4	
						20.9		8.2		34.4		95.5		6.6			0.8			1.5		
				Bottom	9.1	20.8	20.8	8.2	8.2	34.5	34.5	94.2	94.1	6.5	6.5	6.5	1.0	1.1		1.4	1.6	
						20.9		8.2		34.6		94.0		6.5			1.1			1.7		
G3	Sunny	Calm	16:03	Surface	1.1	21.2	21.1	8.2	8.2	34.1	34.1	99.4	99.5	6.8	6.8	6.8	0.2	0.1	0.4	2.1	1.9	1.7
						20.9		8.2		34.2		99.5		6.8			0.1			1.6		
				Middle	4.0	20.9	20.9	8.2	8.2	34.5	34.4	97.7	98.0	6.7	6.7		0.4	0.3		1.8	1.7	
						20.9		8.2		34.4		98.2		6.8			0.3			1.6		
				Bottom	7.0	20.7	20.8	8.2	8.2	34.5	34.5	96.5	96.4	6.7	6.7	6.7	0.6	0.6		1.4	1.5	
						20.8		8.2		34.6		96.2		6.7			0.6			1.5		
G4	Sunny	Calm	16:18	Surface	1.0	21.8	21.4	8.2	8.2	34.2	34.2	100.1	100.2	6.8	6.8	6.8	0.4	0.4	0.9	2.1	2.0	1.7
						21.0		8.2		34.2		100.3		6.8			0.4			1.8		
				Middle	4.0	21.0	21.0	8.2	8.2	34.3	34.3	98.2	98.7	6.7	6.8		0.6	0.6		1.6	1.6	
						21.0		8.2		34.3		99.1		6.8			0.6			1.5		
				Bottom	7.1	20.9	20.9	8.2	8.2	34.6	34.7	93.7	93.5	6.5	6.5	6.5	1.8	1.9		1.8	1.7	
						20.9		8.2		34.7		93.2		6.5			2.0			1.6		
M1	Sunny	Calm	15:45	Surface	1.0	21.7	21.4	8.2	8.2	34.3	34.3	97.0	97.0	6.6	6.6	6.6	0.5	0.5	0.8	2.1	2.1	2.3
						21.1		8.2		34.3		97.0		6.6			0.5			2.0		
				Middle	3.0	20.9	20.9	8.2	8.2	34.4	34.4	96.2	96.4	6.6	6.6		0.8	0.8		2.0	2.3	
						21.0		8.2		34.3		96.6		6.6			0.7			2.6		
				Bottom	5.1	20.8	20.8	8.2	8.2	34.5	34.5	94.2	94.1	6.5	6.5	6.5	1.2	1.2		2.6	2.5	
						20.8		8.2		34.5		94.0		6.5			1.2			2.3		
M2	Sunny	Calm	15:30	Surface	1.0	21.5	21.2	8.2	8.2	34.4	34.4	100.4	100.4	6.9	6.9	6.8	0.5	0.5	0.8	2.9	3.0	2.3
						20.9		8.2		34.4		100.3		6.9			0.5			3.0		
				Middle	5.5	20.9	20.8	8.2	8.2	34.4	34.4	98.6	99.0	6.8	6.8		0.6	0.5		2.3	2.1	
						20.8		8.2		34.4		99.4		6.8			0.5			1.8		
				Bottom	10.0	20.8	20.8	8.2	8.2	34.7	34.7	93.7	93.5	6.5	6.5	6.5	1.3	1.3		2.1	1.9	
						20.8		8.2		34.7		93.3		6.5			1.3			1.7		
M3	Sunny	Calm	16:11	Surface	1.0	21.1	21.0	8.2	8.2	34.3	34.3	99.1	99.4	6.8	6.8	6.8	0.4	0.4	0.6	2.2	2.2	2.5
						21.0		8.2		34.3		99.6		6.8			0.4			2.2		
				Middle	4.0	20.9	20.9	8.2	8.2	34.4	34.4	97.3	97.5	6.7	6.7		0.6	0.6		2.0	2.2	
						20.9		8.2		34.4		97.6		6.7			0.6			2.4		
				Bottom	7.0	20.7	20.7	8.2	8.2	34.6	34.6	95.9	95.8	6.6	6.6	6.6	0.7	0.7		3.1	3.0	
						20.8		8.2		34.6		95.6		6.6			0.7			2.9		
M4	Sunny	Calm	15:24	Surface	1.0	22.0	21.5	8.1	8.1	33.9	33.9	97.8	97.9	6.7	6.7	6.7	0.8	0.8	0.8	1.7	2.1	1.6
						21.0		8.1		33.9		98.0		6.7			0.8			2.4		
				Middle	5.1	20.9	20.9	8.1	8.1	34.5	34.5	97.2	97.4	6.7	6.7		0.4	0.4		1.8	1.6	
						20.9		8.1		34.5		97.5		6.7			0.4			1.4		
				Bottom	9.1	20.8	20.9	8.1	8.1	34.6	34.6	95.7	95.7	6.6	6.6	6.6	1.1	1.0		1.3	1.3	
						20.9		8.1		34.6		95.6		6.6			1.0			1.2		
M5	Sunny	Calm	16:49	Surface	1.1	21.0	21.0	8.2	8.2	33.6	33.6	93.3	93.3	6.4	6.4	6.4	1.5	1.5	1.9	1.0	1.3	1.8
						21.0		8.2		33.6		93.3		6.4			1.5			1.6		
				Middle	6.0	20.9	21.0	8.2	8.2	33.7	33.7	92.6	92.7	6.4	6.4		2.1	2.0		1.7	2.0	
						21.1		8.2		33.7		92.8		6.4			1.9			2.2		
				Bottom	11.0	20.9	20.9	8.2	8.2	34.0	34.0	91.7	91.7	6.3	6.3	6.3	2.3	2.3		2.1	2.3	
						20.9		8.2		34.0		91.6		6.3			2.3			2.4		
M6	Sunny	Calm	16:32	Surface	-	-	-	-	-	-	-	-	-	-	-	6.5	-	-	0.9	-	-	2.3
						-		-		-		-		-			-			-		
				Middle	2.2	21.8	21.4	8.2	8.2	34.3	34.3	95.0	95.1	6.5	6.5		8.0	8.0		2.7	2.3	
						20.9		8.2		34.3		95.2		6.6			8.0			1.9		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 7 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 1.5 NTU	***C1: 1.6 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 1.8 mg/L	***C1: 2.0 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 1.8 mg/L	***C1: 2.0 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.1 mg/L	***C1: 3.3 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 10 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	12:33	Surface	1.1	21.1	21.1	8.2	8.2	33.8	33.7	83.5	83.1	5.8	5.7	5.7	2.3	2.3	2.3	2.4	2.3	2.8
						21.1		8.2		33.7		82.7		5.7			2.3			2.2		
				Middle	9.1	20.9	21.0	8.2	8.2	34.5	34.5	82.2	82.1	5.7	5.7		2.5	2.5		3.0	2.8	
						21.0		8.2		34.5		81.9		5.7			2.6			2.5		
				Bottom	17.1	20.9	20.9	8.2	8.2	34.7	34.7	82.9	83.0	5.8	5.8	5.8	2.2	2.2		3.5	3.3	
						20.9		8.2		34.7		83.0		5.8			2.3			3.1		
C2	Sunny	Calm	10:55	Surface	1.1	21.1	21.0	7.8	7.8	33.4	33.4	80.8	80.8	5.6	5.6	5.6	2.6	2.6	2.7	1.4	1.9	1.6
						20.9		7.8		33.4		80.7		5.6			2.6			2.4		
				Middle	16.6	20.9	20.9	7.8	7.8	33.5	33.5	80.2	80.2	5.5	5.5		2.7	2.7		1.2	1.5	
						20.9		7.8		33.5		80.2		5.5			2.7			1.8		
				Bottom	32.1	20.9	20.9	7.9	7.9	34.0	34.0	80.5	80.5	5.6	5.6	5.6	2.7	2.8		1.1	1.5	
						20.9		7.9		34.0		80.5		5.6			2.9			1.8		
G1	Sunny	Calm	11:32	Surface	1.1	21.6	21.2	8.2	8.2	34.3	34.3	88.7	88.6	6.1	6.1	6.0	0.7	0.6	0.8	1.8	1.8	2.1
						20.9		8.2		34.3		88.4		6.1			0.6			1.8		
				Middle	4.1	20.9	20.9	8.2	8.2	34.4	34.4	85.5	85.6	5.9	5.9		0.6	0.7		1.5	1.6	
						20.8		8.2		34.4		85.7		5.9			0.7			1.6		
				Bottom	7.1	20.8	20.8	8.2	8.2	34.8	34.8	84.0	83.9	5.8	5.8	5.8	1.0	1.1		3.0	2.9	
						20.8		8.2		34.8		83.8		5.8			1.1			2.7		
G2	Sunny	Calm	11:14	Surface	1.1	21.9	21.4	8.1	8.1	34.3	34.3	88.1	88.1	6.0	6.0	6.0	2.1	2.1	1.7	3.3	3.0	2.5
						20.9		8.1		34.3		88.0		6.0			2.1			2.7		
				Middle	5.0	20.9	20.9	8.1	8.1	34.5	34.5	85.8	85.9	5.9	5.9		1.3	1.2		2.4	2.3	
						20.9		8.1		34.5		86.0		5.9			1.2			2.2		
				Bottom	9.0	20.8	20.8	8.1	8.1	34.8	34.8	83.9	83.9	5.8	5.8	5.8	1.8	1.8		2.1	2.3	
						20.9		8.1		34.8		83.9		5.8			1.8			2.5		
G3	Sunny	Calm	11:38	Surface	1.0	21.6	21.3	8.2	8.2	34.0	34.0	83.2	82.9	5.7	5.7	5.8	0.4	0.4	1.0	3.2	2.8	2.5
						20.9		8.2		34.1		82.5		5.7			0.3			2.4		
				Middle	4.0	20.8	20.9	8.2	8.2	34.7	34.7	84.1	84.0	5.8	5.8		1.2	1.2		2.3	2.6	
						20.9		8.2		34.7		83.8		5.8			1.2			2.8		
				Bottom	7.0	20.7	20.8	8.2	8.2	35.1	35.0	84.0	84.1	5.9	5.9	5.9	1.6	1.5		2.1	2.3	
						20.8		8.2		35.0		84.2		5.9			1.5			2.4		
G4	Sunny	Calm	11:51	Surface	1.1	21.8	21.4	8.2	8.2	34.2	34.2	86.7	86.7	5.9	5.9	5.9	0.7	0.7	1.0	2.5	2.4	2.4
						21.0		8.2		34.2		86.6		5.9			0.7			2.2		
				Middle	4.1	21.0	21.0	8.2	8.2	34.6	34.6	84.1	84.1	5.8	5.8		1.3	1.2		2.4	2.5	
						21.0		8.2		34.6		84.1		5.8			1.2			2.5		
				Bottom	7.0	20.9	20.9	8.2	8.2	34.7	34.7	84.5	84.6	5.9	5.9	5.9	1.1	1.1		2.8	2.4	
						20.9		8.2		34.7		84.6		5.9			1.0			2.0		
M1	Sunny	Calm	11:20	Surface	1.0	21.5	21.3	8.2	8.2	34.4	34.3	87.0	87.0	6.0	6.0	5.9	1.6	1.6	1.7	4.5	4.4	4.1
						21.1		8.2		34.3		87.0		6.0			1.6			4.3		
				Middle	3.0	20.9	20.9	8.2	8.2	34.4	34.4	86.2	86.2	5.9	5.9		1.6	1.6		3.9	4.0	
						21.0		8.2		34.4		86.1		5.9			1.6			4.1		
				Bottom	5.1	20.8	20.8	8.2	8.2	34.5	34.5	84.8	84.9	5.8	5.8	5.8	2.1	2.0		3.5	3.8	
						20.8		8.2		34.5		84.9		5.8			1.9			4.0		
M2	Sunny	Calm	11:09	Surface	1.1	21.6	21.3	8.1	8.1	34.4	34.4	87.3	87.3	6.0	6.0	6.0	0.7	0.7	1.2	2.8	2.6	2.4
						20.9		8.1		34.4		87.3		6.0			0.7			2.4		
				Middle	5.6	20.8	20.8	8.1	8.1	34.7	34.7	85.0	85.1	5.9	5.9		1.0	1.0		2.6	2.6	
						20.9		8.1		34.7		85.1		5.9			1.0			2.6		
				Bottom	10.0	20.8	20.8	8.1	8.1	35.1	35.1	84.0	83.9	5.8	5.8	5.8	1.9	1.9		2.2	2.1	
						20.8		8.1		35.1		83.8		5.8			2.0			1.9		
M3	Sunny	Calm	11:45	Surface	1.0	21.2	21.1	8.2	8.2	33.9	33.9	85.8	85.9	5.9	5.9	5.8	0.6	0.6	1.3	3.4	3.5	3.9
						21.0		8.2		33.9		86.0		5.9			0.6			3.6		
				Middle	4.1	20.9	20.9	8.2	8.2	34.6	34.6	84.2	84.2	5.8	5.8		1.6	1.6		3.6	3.8	
						20.9		8.2		34.6		84.1		5.8			1.5			4.0		
				Bottom	7.1	20.7	20.7	8.2	8.2	34.9	34.9	83.8	83.7	5.8	5.8	5.8	1.8	1.8		4.6	4.3	
						20.8		8.2		35.0		83.6		5.8			1.8			3.9		
M4	Sunny	Calm	11:03	Surface	1.1	21.9	21.4	8.0	8.0	34.1	34.1	83.3	83.3	5.8	5.8	5.8	2.2	2.2	2.0	2.3	2.7	2.7
						21.0		8.0		34.1		83.2		5.8			2.2			3.0		
				Middle	5.0	20.9	20.9	8.0	8.0	34.3	34.3	83.1	83.1	5.8	5.7		2.0	2.0		2.6	2.7	
						20.9		8.0		34.3		83.1		5.7			2.0			2.8		
				Bottom	9.1	20.8	20.9	8.0	8.0	34.3	34.3	83.2	83.3	5.8	5.8	5.8	1.8	1.8		2.8	2.6	
						20.9		8.0		34.4		83.3		5.8			1.7			2.4		
M5	Sunny	Calm	12:21	Surface	1.0	21.0	21.0	8.2	8.2	34.2	34.2	83.8	83.8	5.8	5.8	5.8	2.6	2.6	2.6	2.4	2.6	2.9
						21.0		8.2		34.2		83.7		5.8			2.6			2.8		
				Middle	6.0	20.9	21.0	8.2	8.2	34.2	34.2	83.3	83.3	5.8	5.8		2.5	2.5		2.9	3.1	
						21.1		8.2		34.2		83.3		5.8			2.6			3.2		
				Bottom	11.0	20.9	20.9	8.2	8.2	34.3	34.3	82.9	82.9	5.7	5.7	5.7	2.7	2.6		3.1	3.0	
						20.9		8.2		34.3		82.9		5.7			2.6			2.9		
M6	Sunny	Calm	12:04	Surface	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	1.0	-	-	2.7
						-		-		-		-		-			-			-		
				Middle	2.2	21.6	21.3	8.2	8.2	34.4	34.4	87.8	87.8	6.0	6.0		1.0	1.0		2.8	2.7	
						20.9		8.2		34.4		87.8		6.0			1.1			2.5		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 10 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 3.4 NTU	***C2: 3.7 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 2.3 mg/L	***C2: 2.5 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 2.3 mg/L	***C2: 2.5 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 1.7 mg/L	***C2: 1.9 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 10 May 2021

(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	18:21	Surface	1.1	24.3	24.3	8.2	8.2	33.7	33.7	81.8	81.7	5.7	5.6	5.6	2.3	2.2		3.3	3.2	
						24.2		8.2		33.7		81.5		5.6			2.2			3.0		
				Middle	8.5	23.8	23.9	8.2	8.2	34.4	34.3	81.4	81.3	5.6	5.6		2.6	2.6	2.4	2.6	2.6	2.7
						23.9		8.2		34.3		81.2		5.6			2.6			2.6		
				Bottom	16.0	23.7	23.7	8.2	8.2	34.7	34.7	83.1	83.1	5.8	5.8	5.8	2.3	2.3		2.3	2.4	
						23.7		8.2		34.7		83.1		5.8			2.4			2.5		
C2	Sunny	Calm	16:47	Surface	1.1	24.5	24.5	7.7	7.7	33.4	33.4	81.0	80.9	5.6	5.6	5.6	2.6	2.6		3.3	2.8	
						24.5		7.8		33.4		80.8		5.6			2.6			2.2		
				Middle	16.1	24.4	24.4	7.8	7.8	33.5	33.5	80.1	80.1	5.5	5.5		2.8	2.7	2.7	2.6	2.4	2.3
						24.4		7.8		33.5		80.1		5.5			2.7			2.2		
				Bottom	31.0	24.1	24.1	7.9	7.9	34.0	34.0	80.3	80.4	5.6	5.6	5.6	2.7	2.7		1.6	1.9	
						24.1		7.9		34.0		80.4		5.6			2.7			2.1		
G1	Sunny	Calm	17:26	Surface	1.1	24.5	24.5	8.2	8.2	34.3	34.3	88.2	88.1	6.1	6.0	6.0	0.6	0.6		2.2	2.4	
						24.5		8.2		34.3		88.0		6.0			0.6			2.6		
				Middle	3.8	24.1	24.2	8.2	8.2	34.4	34.4	85.9	86.2	5.9	5.9		0.7	0.7	0.8	2.8	2.5	3.0
						24.2		8.2		34.3		86.5		6.0			0.7			2.1		
				Bottom	6.5	23.6	23.6	8.2	8.2	34.9	34.9	83.8	83.8	5.8	5.8	5.8	1.1	1.1		4.6	4.2	
						23.6		8.2		34.9		83.8		5.8			1.1			3.7		
G2	Sunny	Calm	17:09	Surface	1.0	24.5	24.5	8.1	8.1	34.3	34.3	87.9	87.9	6.0	6.0	6.0	2.0	1.9		4.4	4.5	
						24.5		8.1		34.3		87.8		6.0			1.9			4.6		
				Middle	5.0	24.1	24.2	8.1	8.1	34.5	34.5	86.2	86.5	6.0	6.0		1.2	1.3	1.6	7.5	6.9	4.6
						24.2		8.1		34.4		86.7		6.0			1.3			6.2		
				Bottom	9.0	23.7	23.7	8.1	8.1	34.8	34.8	83.8	83.8	5.8	5.8	5.8	1.7	1.6		2.2	2.5	
						23.7		8.1		34.8		83.7		5.8			1.6			2.7		
G3	Sunny	Calm	17:34	Surface	1.0	24.8	24.7	8.2	8.2	34.0	34.0	83.7	83.6	5.7	5.7	5.8	0.4	0.4		1.4	2.0	
						24.6		8.2		34.0		83.4		5.7			0.4			2.6		
				Middle	3.8	23.8	23.8	8.2	8.2	34.7	34.7	84.4	84.4	5.9	5.8		1.3	1.3	1.1	5.6	3.8	3.2
						23.8		8.2		34.7		84.4		5.8			1.3			1.9		
				Bottom	6.6	23.5	23.5	8.2	8.2	35.0	35.0	84.0	84.0	5.8	5.8	5.8	1.6	1.6		2.7	3.8	
						23.4		8.2		35.1		83.9		5.8			1.6			4.9		
G4	Sunny	Calm	17:50	Surface	1.1	24.7	24.7	8.2	8.2	34.2	34.2	86.8	86.8	5.9	5.9	5.9	0.7	0.7		2.7	2.9	
						24.7		8.2		34.2		86.8		5.9			0.7			3.0		
				Middle	3.7	23.9	23.9	8.2	8.2	34.6	34.6	84.4	84.4	5.8	5.8		1.1	1.2	1.0	2.5	2.3	2.5
						23.9		8.2		34.6		84.3		5.8			1.2			2.1		
				Bottom	6.5	23.8	23.8	8.2	8.2	34.6	34.6	84.2	84.3	5.8	5.8	5.8	1.2	1.2		2.5	2.4	
						23.8		8.2		34.7		84.3		5.8			1.2			2.3		
M1	Sunny	Calm	17:14	Surface	1.1	24.4	24.4	8.2	8.2	34.4	34.4	87.2	87.1	6.0	6.0	5.9	1.5	1.5		1.8	1.4	
						24.4		8.2		34.4		87.0		6.0			1.5			1.0		
				Middle	3.1	24.4	24.4	8.2	8.2	34.4	34.4	86.3	86.3	5.9	5.9		1.5	1.5	1.8	2.3	2.0	1.8
						24.4		8.2		34.4		86.3		5.9			1.5			1.6		
				Bottom	5.0	24.3	24.3	8.2	8.2	34.5	34.5	85.2	85.0	5.9	5.8	5.8	2.4	2.5		2.4	2.2	
						24.2		8.2		34.5		84.8		5.8			2.6			1.9		
M2	Sunny	Calm	17:02	Surface	1.1	24.3	24.3	8.1	8.1	34.4	34.4	87.3	87.3	6.0	6.0	6.0	0.7	0.7		2.5	2.5	
						24.3		8.1		34.4		87.3		6.0			0.7			2.4		
				Middle	5.2	23.7	23.7	8.1	8.1	34.7	34.7	85.0	85.0	5.9	5.9		0.9	0.9	1.1	1.0	1.2	1.7
						23.7		8.1		34.7		85.0		5.9			0.9			1.3		
				Bottom	9.5	23.6	23.6	8.1	8.1	34.9	34.9	84.5	84.4	5.9	5.9	5.9	1.7	1.6		1.6	1.5	
						23.5		8.1		35.0		84.3		5.9			1.6			1.4		
M3	Sunny	Calm	17:44	Surface	1.1	24.9	24.9	8.2	8.2	33.9	33.9	86.2	86.4	5.9	5.9	5.9	0.6	0.6		2.8	3.0	
						24.9		8.2		33.9		86.5		5.9			0.6			3.2		
				Middle	3.8	23.9	23.9	8.2	8.2	34.6	34.6	84.0	84.0	5.8	5.8		1.5	1.5	1.3	3.0	2.9	2.7
						23.9		8.2		34.6		83.9		5.8			1.4			2.7		
				Bottom	6.6	23.5	23.5	8.2	8.2	35.1	35.1	83.4	83.4	5.8	5.8	5.8	1.8	1.8		2.4	2.3	
						23.4		8.2		35.1		83.4		5.8			1.9			2.2		
M4	Sunny	Calm	16:54	Surface	1.1	24.1	24.1	8.0	8.0	34.1	34.1	83.0	83.0	5.7	5.7	5.7	2.1	2.1		2.4	2.1	
						24.1		8.0		34.2		83.0		5.7			2.1			1.8		
				Middle	5.1	24.0	24.0	8.0	8.0	34.3	34.3	83.0	83.0	5.7	5.7		2.1	2.1	2.0	2.2	2.0	1.9
						24.0		8.0		34.3		82.9		5.7			2.1			1.7		
				Bottom	9.1	24.0	24.0	8.0	8.0	34.4	34.4	83.5	83.6	5.8	5.8	5.8	1.7	1.7		1.6	1.6	
						24.0		8.0		34.4		83.6		5.8			1.7			1.6		
M5	Sunny	Calm	18:10	Surface	1.0	24.1	24.1	8.2	8.2	34.2	34.2	84.1	84.1	5.8	5.8	5.8	2.5	2.6		1.4	1.7	
						24.1		8.2		34.2		84.0		5.8			2.6			2.0		
				Middle	5.5	24.1	24.1	8.2	8.2	34.2	34.2	83.2	83.3	5.8	5.8		2.5	2.5	2.6	2.3	2.4	2.4
						24.1		8.2		34.2		83.3		5.8			2.5			2.5		
				Bottom	10.1	24.0	24.0	8.2	8.2	34.3	34.3	82.9	82.9	5.7	5.7	5.7	2.6	2.6		3.2	3.1	
						24.0		8.2		34.3		82.9		5.7			2.6			3.0		
M6	Sunny	Calm	17:58	Surface	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-		-	-	
						-		-		-		-		-			-			-		
				Middle	2.1	24.5	24.5	8.2	8.2	34.4	34.4	87.8	87.8	6.0	6.0		8.0	8.0	1.0	2.5	2.7	2.7
						24.5		8.2		34.4		87.7		6.0			8.0			2.8		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 10 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 2.8 NTU	***C1: 3.0 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.8 mg/L	***C1: 4.1 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.8 mg/L	***C1: 4.1 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 2.9 mg/L	***C1: 3.1 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	13:27	Surface	1.1	24.3	24.3	8.2	8.2	34.1	34.2	85.8	85.6	5.9	5.9	5.8	1.6	1.6	2.1	2.4	2.5	2.8
						24.3		8.2		34.2		85.4		5.9			1.7			2.6		
				Middle	8.6	23.8	23.8	8.2	8.2	34.8	34.8	83.5	83.7	5.8	5.8		2.2	2.2		3.0	3.0	
						23.9		8.2		34.7		83.9		5.8			2.2			2.9		
				Bottom	16.1	23.6	23.6	8.2	8.2	35.1	35.1	83.0	83.0	5.8	5.8	5.8	2.5	2.4		3.0	3.0	
						23.6		8.2		35.1		83.0		5.8			2.4			3.0		
C2	Sunny	Calm	12:01	Surface	1.0	25.1	25.1	7.7	7.8	33.3	33.3	91.0	91.0	6.2	6.2	6.0	1.3	1.3	1.6	4.2	4.3	4.5
						25.1		7.8		33.3		91.0		6.2			1.4			4.3		
				Middle	16.1	24.2	24.2	7.9	7.8	34.2	34.2	83.3	83.4	5.7	5.8		1.6	1.6		4.6	4.6	
						24.3		7.8		34.1		83.5		5.8			1.6			4.5		
				Bottom	31.1	24.1	24.1	7.9	7.9	34.3	34.3	82.6	82.6	5.7	5.7	5.7	2.0	2.0		4.8	4.8	
						24.1		7.9		34.4		82.6		5.7			2.0			4.7		
G1	Sunny	Calm	12:35	Surface	1.1	25.3	25.3	8.2	8.2	34.2	34.2	95.3	95.1	6.5	6.4	6.3	0.8	0.8	1.2	2.8	2.9	3.7
						25.3		8.2		34.2		94.9		6.4			0.8			3.0		
				Middle	3.8	24.3	24.5	8.2	8.2	34.7	34.6	89.5	89.6	6.1	6.1		0.9	0.9		3.6	3.7	
						24.6		8.2		34.5		89.7		6.1			0.9			3.8		
				Bottom	6.5	23.9	23.9	8.2	8.2	34.9	34.9	86.6	86.4	6.0	6.0	6.0	1.8	1.8		4.3	4.4	
						23.9		8.2		34.9		86.2		6.0			1.8			4.5		
G2	Sunny	Calm	12:19	Surface	1.0	25.5	25.5	8.1	8.1	34.0	34.0	97.6	97.6	6.6	6.6	6.4	0.8	0.8	1.6	4.9	4.9	4.0
						25.5		8.1		34.0		97.6		6.6			0.8			4.8		
				Middle	5.1	23.8	23.8	8.1	8.1	35.1	35.1	89.2	89.6	6.2	6.2		1.0	0.9		3.9	3.8	
						23.8		8.1		35.1		89.9		6.2			0.9			3.7		
				Bottom	9.0	23.3	23.3	8.1	8.1	35.5	35.4	82.6	82.6	5.7	5.7	5.7	3.1	3.1		3.0	3.3	
						23.3		8.1		35.4		82.5		5.7			3.0			3.5		
G3	Sunny	Calm	12:42	Surface	1.1	25.7	25.7	8.2	8.2	34.1	34.1	96.9	96.9	6.5	6.5	6.4	0.8	0.8	1.5	2.6	2.6	3.3
						25.7		8.2		34.1		96.8		6.5			0.7			2.6		
				Middle	3.7	24.5	24.5	8.2	8.2	34.6	34.6	90.6	90.6	6.2	6.2		1.5	1.5		2.7	3.0	
						24.5		8.2		34.6		90.6		6.2			1.5			3.2		
				Bottom	6.6	23.6	23.6	8.2	8.2	35.2	35.2	84.9	84.9	5.9	5.9	5.9	2.2	2.2		4.1	4.3	
						23.6		8.2		35.2		84.9		5.9			2.2			4.5		
G4	Sunny	Calm	12:57	Surface	1.1	25.6	25.6	8.2	8.2	34.0	34.0	97.2	97.1	6.6	6.5	6.3	0.7	0.7	1.5	3.8	3.9	3.4
						25.6		8.2		34.0		96.9		6.5			0.7			4.0		
				Middle	3.7	24.2	24.2	8.2	8.2	34.8	34.8	88.1	88.2	6.1	6.1		1.6	1.6		3.7	3.6	
						24.2		8.2		34.8		88.3		6.1			1.6			3.5		
				Bottom	6.6	23.6	23.5	8.2	8.2	35.3	35.3	84.5	84.3	5.9	5.8	5.8	2.1	2.2		2.7	2.7	
						23.5		8.2		35.4		84.0		5.8			2.3			2.7		
M1	Sunny	Calm	12:25	Surface	1.0	25.2	25.1	8.1	8.1	34.3	34.3	91.9	91.8	6.2	6.2	6.1	2.3	2.3	3.6	2.7	2.5	3.6
						25.1		8.1		34.4		91.6		6.2			2.4			2.2		
				Middle	3.0	24.5	24.5	8.1	8.1	34.7	34.6	88.2	88.4	6.0	6.1		3.3	3.3		3.4	3.6	
						24.5		8.1		34.6		88.6		6.1			3.2			3.8		
				Bottom	5.1	24.3	24.3	8.1	8.1	34.7	34.7	87.4	87.3	6.0	6.0	6.0	5.3	5.3		4.9	4.9	
						24.3		8.1		34.7		87.1		6.0			5.3			4.8		
M2	Sunny	Calm	12:13	Surface	1.1	25.3	25.3	8.1	8.1	34.1	34.1	98.2	98.2	6.7	6.7	6.4	1.2	1.2	1.7	4.4	4.2	3.5
						25.3		8.1		34.1		98.1		6.7			1.2			3.9		
				Middle	5.3	23.4	23.4	8.1	8.1	35.4	35.4	87.8	88.0	6.1	6.1		1.8	1.7		3.7	3.6	
						23.4		8.1		35.4		88.2		6.1			1.7			3.5		
				Bottom	9.5	23.3	23.3	8.1	8.1	35.5	35.5	85.8	85.5	6.0	5.9	5.9	2.1	2.3		3.1	2.8	
						23.3		8.1		35.5		85.2		5.9			2.5			2.5		
M3	Sunny	Calm	12:50	Surface	1.0	25.6	25.6	8.1	8.1	33.9	33.9	91.3	91.0	6.2	6.1	6.0	0.8	0.8	1.7	2.6	2.9	2.1
						25.6		8.1		33.9		90.6		6.1			0.8			3.1		
				Middle	3.7	24.1	24.1	8.2	8.1	34.8	34.8	84.7	84.9	5.8	5.8		1.8	1.6		1.8	1.8	
						24.1		8.1		34.8		85.0		5.9			1.5			1.8		
				Bottom	6.6	23.5	23.5	8.2	8.2	35.3	35.3	83.3	83.5	5.8	5.8	5.8	2.6	2.6		1.6	1.5	
						23.5		8.2		35.3		83.6		5.8			2.7			1.4		
M4	Sunny	Calm	12:08	Surface	1.0	24.9	24.9	8.0	8.0	33.7	33.7	90.9	90.9	6.2	6.2	6.2	2.1	2.1	1.9	1.1	1.2	3.0
						24.9		8.0		33.7		90.9		6.2			2.1			1.2		
				Middle	5.1	24.9	24.9	8.0	8.0	33.8	33.8	90.9	90.9	6.2	6.2		1.8	1.8		3.1	3.3	
						24.9		8.0		33.7		90.9		6.2			1.8			3.4		
				Bottom	9.0	24.1	24.1	8.0	8.0	34.7	34.7	86.8	86.8	6.0	6.0	6.0	1.8	1.9		4.4	4.6	
						24.1		8.0		34.7		86.7		6.0			1.9			4.8		
M5	Sunny	Calm	13:17	Surface	1.0	24.6	24.6	8.2	8.2	34.5	34.5	91.5	91.3	6.3	6.2	6.2	1.5	1.5	1.6	2.1	2.1	2.9
						24.6		8.2		34.5		91.1		6.2			1.5			2.0		
				Middle	5.5	24.5	24.5	8.2	8.2	34.5	34.5	89.7	89.8	6.2	6.2		1.6	1.6		2.8	2.9	
						24.5		8.2		34.5		89.8		6.2			1.6			3.0		
				Bottom	10.1	24.3	24.3	8.2	8.2	34.6	34.6	88.5	88.3	6.1	6.1	6.1	1.7	1.7		3.8	3.9	
						24.2		8.2		34.6		88.0		6.1			1.7			3.9		
M6	Sunny	Calm	13:04	Surface	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	0.9	-	-	3.3
						-		-		-		-		-			-			-		
				Middle	2.1	25.0	25.0	8.2	8.2	34.3	34.3	93.3	93.4	6.3	6.3		0.9	0.9		3.3	3.3	
						25.0		8.2		34.3		93.4		6.4			0.9			3.2		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 12 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 2.4 NTU	***C2: 2.6 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.1 mg/L	***C2: 5.5 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.1 mg/L	***C2: 5.5 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.7 mg/L	***C2: 6.2 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 May 2021

(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	19:39	Surface	1.1	21.1	21.1	8.2	8.2	33.9	34.0	87.5	87.0	6.0	6.0	5.9	1.5	1.5	2.1	3.1	3.0	2.5
						21.0		8.2		34.0		86.5		6.0			1.6			2.8		
				Middle	9.1	20.9	21.0	8.2	8.2	34.9	34.9	83.2	83.3	5.8	5.8		2.3	2.4		2.3	2.4	
						21.0		8.2		34.9		83.3		5.8			2.4			2.4		
				Bottom	17.1	20.9	20.9	8.2	8.2	35.1	35.1	83.0	83.0	5.8	5.8	5.8	2.4	2.5		2.1	2.2	
						21.0		8.2		35.1		82.9		5.8			2.5			2.3		
C2	Sunny	Calm	17:56	Surface	1.1	21.4	21.2	7.8	7.8	33.3	33.3	91.0	91.0	6.2	6.2	6.0	1.3	1.3	1.6	2.8	3.0	3.2
						20.9		7.8		33.3		90.9		6.2			1.3			3.2		
				Middle	16.6	20.9	20.9	7.8	7.8	34.1	34.0	83.6	83.7	5.8	5.8		1.5	1.5		3.2	3.3	
						20.9		7.8		33.9		83.8		5.8			1.5			3.3		
				Bottom	32.1	20.9	20.9	7.9	7.9	34.4	34.4	82.6	82.6	5.7	5.7	5.7	2.1	2.0		3.5	3.4	
						20.9		7.9		34.4		82.6		5.7			2.0			3.3		
G1	Sunny	Calm	18:36	Surface	1.1	21.1	21.0	8.2	8.2	34.2	34.2	95.8	95.8	6.5	6.5	6.3	0.7	0.7	1.1	2.8	2.9	2.9
						20.9		8.2		34.2		95.7		6.5			0.7			3.0		
				Middle	4.1	20.9	20.9	8.2	8.2	34.8	34.8	89.3	89.4	6.2	6.2		1.0	1.0		3.0	3.0	
						20.8		8.2		34.8		89.4		6.2			1.0			2.9		
				Bottom	7.0	20.8	20.8	8.2	8.2	34.9	34.9	87.6	87.3	6.1	6.0	6.0	1.6	1.7		2.8	2.8	
						20.7		8.2		34.9		87.0		6.0			1.7			2.8		
G2	Sunny	Calm	18:17	Surface	1.0	21.7	21.3	8.1	8.1	34.1	34.1	97.3	97.4	6.6	6.6	6.4	0.8	0.8	1.7	2.8	2.9	4.4
						20.9		8.1		34.1		97.5		6.6			0.8			3.0		
				Middle	5.1	20.9	20.9	8.1	8.1	35.0	35.0	88.2	88.4	6.1	6.1		1.1	1.0		4.0	3.9	
						20.9		8.1		35.0		88.6		6.1			1.0			3.7		
				Bottom	9.1	20.8	20.9	8.1	8.1	35.5	35.5	82.7	82.7	5.8	5.8	5.8	3.4	3.4		6.3	6.4	
						20.9		8.1		35.5		82.6		5.8			3.3			6.4		
G3	Sunny	Calm	18:44	Surface	1.0	21.5	21.2	8.2	8.2	34.1	34.1	96.8	96.8	6.5	6.5	6.4	0.7	0.4	1.4	4.6	4.6	3.9
						20.9		8.2		34.1		96.8		6.5			0.1			4.5		
				Middle	4.1	20.9	20.9	8.2	8.2	34.7	34.7	90.6	90.7	6.2	6.2		1.4	1.4		3.6	3.8	
						20.9		8.2		34.8		90.7		6.2			1.3			3.9		
				Bottom	7.0	20.7	20.8	8.2	8.2	35.2	35.2	84.9	84.9	5.9	5.9	5.9	2.3	2.3		3.4	3.5	
						20.8		8.2		35.2		84.8		5.9			2.3			3.6		
G4	Sunny	Calm	18:57	Surface	1.0	21.5	21.3	8.2	8.2	34.0	34.0	96.8	96.8	6.5	6.5	6.3	0.8	0.7	1.5	5.3	5.2	5.9
						21.0		8.2		34.0		96.8		6.5			0.7			5.0		
				Middle	4.0	21.0	21.0	8.2	8.2	34.8	34.8	88.7	89.1	6.1	6.1		1.5	1.4		6.4	6.2	
						21.0		8.2		34.8		89.5		6.2			1.3			6.0		
				Bottom	7.1	20.9	20.9	8.2	8.2	35.4	35.4	83.7	83.7	5.8	5.8	5.8	2.4	2.4		6.4	6.4	
						20.9		8.2		35.4		83.6		5.8			2.3			6.3		
M1	Sunny	Calm	18:23	Surface	1.0	21.9	21.5	8.1	8.1	34.4	34.4	91.3	91.3	6.2	6.2	6.2	2.2	2.3	3.6	3.6	3.4	4.2
						21.1		8.1		34.4		91.2		6.2			2.4			3.2		
				Middle	3.0	20.9	20.9	8.1	8.1	34.6	34.6	89.2	89.5	6.1	6.1		3.3	3.2		4.2	4.0	
						21.0		8.1		34.5		89.7		6.1			3.2			3.8		
				Bottom	5.0	20.8	20.8	8.1	8.1	34.7	34.7	86.8	86.8	6.0	6.0	6.0	5.0	5.3		5.4	5.3	
						20.8		8.1		34.7		86.8		6.0			5.6			5.1		
M2	Sunny	Calm	18:10	Surface	1.1	21.6	21.3	8.1	8.1	34.1	34.1	98.1	98.1	6.7	6.6	6.4	1.2	1.2	1.5	3.2	3.1	2.9
						20.9		8.1		34.1		98.0		6.6			1.2			3.0		
				Middle	5.5	20.8	20.8	8.1	8.1	35.4	35.4	88.8	89.2	6.2	6.2		1.6	1.5		2.9	2.8	
						20.8		8.1		35.4		89.5		6.2			1.5			2.7		
				Bottom	10.0	20.8	20.8	8.1	8.1	35.4	35.4	84.9	85.0	5.9	5.9	5.9	1.9	1.9		2.8	2.7	
						20.8		8.1		35.4		85.0		5.9			1.8			2.5		
M3	Sunny	Calm	18:51	Surface	1.0	21.2	21.1	8.1	8.1	33.9	33.9	91.5	91.6	6.2	6.2	6.0	0.9	0.9	1.9	2.4	2.3	3.1
						21.0		8.1		34.0		91.6		6.2			0.9			2.1		
				Middle	4.1	20.9	20.9	8.2	8.2	34.8	34.8	84.3	84.5	5.8	5.8		2.1	2.0		2.5	2.6	
						20.9		8.2		34.8		84.6		5.8			2.0			2.6		
				Bottom	7.1	20.7	20.7	8.2	8.2	35.3	35.3	82.8	83.0	5.7	5.8	5.8	2.8	2.7		4.4	4.5	
						20.8		8.2		35.3		83.1		5.8			2.7			4.5		
M4	Sunny	Calm	18:03	Surface	1.1	21.9	21.4	8.0	8.0	33.6	33.6	91.1	91.1	6.2	6.2	6.2	2.2	2.1	1.9	3.1	3.3	2.9
						21.0		8.0		33.6		91.0		6.2			2.1			3.4		
				Middle	5.0	20.9	20.9	8.0	8.0	33.8	33.8	91.1	91.1	6.2	6.2		1.7	1.7		2.7	2.8	
						20.8		8.0		33.8		91.0		6.2			1.7			2.9		
				Bottom	9.1	20.8	20.8	8.0	8.0	34.4	34.5	87.0	87.0	6.0	6.0	6.0	1.7	1.7		2.6	2.5	
						20.8		8.0		34.6		86.9		6.0			1.8			2.4		
M5	Sunny	Calm	19:26	Surface	1.0	21.0	21.0	8.2	8.2	34.5	34.5	90.9	90.9	6.2	6.2	6.2	1.6	1.5	1.6	2.4	2.3	2.9
						21.0		8.2		34.5		90.8		6.2			1.5			2.1		
				Middle	6.1	20.9	21.0	8.2	8.2	34.5	34.5	90.0	90.2	6.2	6.2		1.6	1.6		3.0	2.9	
						21.2		8.2		34.5		90.3		6.2			1.6			2.8		
				Bottom	11.1	20.9	20.9	8.2	8.2	34.6	34.6	87.8	87.7	6.0	6.0	6.0	1.7	1.7		3.6	3.6	
						20.9		8.2		34.7		87.6		6.0			1.7			3.6		
M6	Sunny	Calm	19:09	Surface	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	0.9	-	-	4.8
						-		-		-		-		-			-			-		
				Middle	2.2	21.5	21.2	8.2	8.2	34.2	34.2	93.2	93.3	6.3	6.3		8.0	8.0		4.9	4.8	
						20.9		8.2		34.3		93.3		6.3			8.0			4.7		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 12 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 3.0 NTU	***C1: 3.2 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.5 mg/L	***C1: 3.8 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.5 mg/L	***C1: 3.8 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 2.6 mg/L	***C1: 2.9 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	13:55	Surface	1.0	24.4	24.4	8.2	8.2	34.5	34.5	98.2	98.2	6.8	6.7	6.5	1.2	1.2	1.5	2.5	2.6	2.1
						24.4		8.2		34.5		98.2		6.7			1.2			2.7		
				Middle	9.1	24.0	24.0	8.2	8.2	34.8	34.8	90.8	90.8	6.3	6.3		1.3	1.3		2.1	2.0	
						24.0		8.2		34.8		90.8		6.3			1.3			1.9		
				Bottom	17.0	23.6	23.6	8.2	8.2	35.2	35.3	83.6	83.5	5.8	5.8	5.8	2.0	2.1		1.7	1.6	
						23.5		8.2		35.3		83.4		5.8			2.1			1.4		
C2	Sunny	Calm	13:18	Surface	1.0	24.4	24.4	7.9	7.9	34.3	34.3	98.4	98.3	6.8	6.8	6.6	1.1	1.0	1.2	2.0	2.1	2.6
						24.4		7.9		34.3		98.2		6.8			1.0			2.2		
				Middle	16.0	24.3	24.3	8.0	8.0	34.4	34.4	94.1	95.2	6.5	6.5		1.1	1.0		2.8	2.7	
						24.4		7.9		34.4		96.2		6.6			1.0			2.5		
				Bottom	31.0	23.8	23.8	8.0	8.0	35.0	34.9	83.9	83.9	5.8	5.8	5.8	1.7	1.7		3.1	3.0	
						23.8		8.0		34.9		83.9		5.8			1.7			2.8		
G1	Sunny	Calm	13:35	Surface	1.1	24.4	24.4	8.2	8.2	34.4	34.4	93.9	93.8	6.5	6.4	6.3	0.9	0.9	1.3	2.3	2.2	1.8
						24.4		8.2		34.4		93.7		6.4			0.9			2.0		
				Middle	4.0	24.2	24.2	8.2	8.2	34.6	34.6	90.0	90.0	6.2	6.2		1.1	1.1		2.1	2.0	
						24.2		8.2		34.6		89.9		6.2			1.1			1.8		
				Bottom	7.0	23.9	23.8	8.2	8.2	35.0	35.0	81.6	81.5	5.6	5.6	5.6	1.7	1.8		1.5	1.4	
						23.8		8.2		35.0		81.4		5.6			1.8			1.3		
G2	Sunny	Calm	13:28	Surface	1.1	24.5	24.5	8.2	8.2	34.3	34.3	101.4	101.5	7.0	7.0	6.6	0.7	0.7	1.0	2.1	2.1	1.8
						24.5		8.2		34.3		101.6		7.0			0.7			2.0		
				Middle	5.0	24.3	24.2	8.2	8.2	34.5	34.5	91.6	91.6	6.3	6.3		0.9	0.9		2.0	1.9	
						24.2		8.2		34.6		91.6		6.3			0.9			1.7		
				Bottom	9.0	23.6	23.6	8.1	8.1	35.2	35.2	83.7	83.6	5.8	5.8	5.8	1.5	1.5		1.4	1.5	
						23.6		8.1		35.2		83.5		5.8			1.5			1.5		
G3	Sunny	Calm	13:38	Surface	1.1	24.4	24.4	8.2	8.2	34.4	34.4	101.9	101.7	7.0	7.0	6.7	1.4	1.3	2.0	1.4	1.5	1.7
						24.4		8.2		34.4		101.5		7.0			1.3			1.5		
				Middle	4.1	24.2	24.3	8.2	8.2	34.6	34.6	92.6	92.7	6.4	6.4		1.4	1.4		1.7	1.6	
						24.3		8.2		34.6		92.8		6.4			1.4			1.5		
				Bottom	7.0	23.6	23.6	8.2	8.2	35.3	35.3	82.3	82.1	5.7	5.7	5.7	3.2	3.2		1.9	2.0	
						23.6		8.2		35.3		81.8		5.7			3.2			2.1		
G4	Sunny	Calm	13:44	Surface	1.1	24.3	24.3	8.2	8.2	34.5	34.5	93.7	93.8	6.4	6.4	6.2	1.3	1.3	2.0	2.7	2.7	2.0
						24.3		8.2		34.6		93.8		6.4			1.3			2.7		
				Middle	4.0	24.0	24.0	8.2	8.2	34.8	34.8	85.9	86.4	5.9	6.0		1.3	1.3		2.0	1.8	
						24.0		8.2		34.8		86.8		6.0			1.3			1.6		
				Bottom	7.1	23.7	23.7	8.2	8.2	35.2	35.2	82.3	82.0	5.7	5.7	5.7	3.2	3.3		1.4	1.5	
						23.7		8.2		35.2		81.6		5.6			3.4			1.5		
M1	Sunny	Calm	13:32	Surface	1.1	24.5	24.5	8.2	8.2	34.3	34.3	98.6	98.5	6.8	6.8	6.6	1.3	1.3	1.3	1.6	1.6	1.5
						24.5		8.2		34.3		98.4		6.8			1.3			1.6		
				Middle	3.1	24.4	24.4	8.2	8.2	34.4	34.4	92.5	92.8	6.4	6.4		1.2	1.2		1.5	1.6	
						24.5		8.2		34.4		93.0		6.4			1.2			1.6		
				Bottom	5.0	24.3	24.3	8.2	8.2	34.5	34.5	90.7	90.0	6.2	6.2	6.2	1.4	1.4		1.3	1.2	
						24.3		8.2		34.6		89.3		6.1			1.5			1.1		
M2	Sunny	Calm	13:25	Surface	1.1	24.5	24.5	8.2	8.2	34.3	34.3	100.4	100.6	6.9	6.9	6.9	0.8	0.8	1.2	1.6	1.6	1.5
						24.5		8.2		34.3		100.7		6.9			0.8			1.6		
				Middle	6.1	24.4	24.5	8.2	8.2	34.4	34.4	99.8	100.1	6.9	6.9		0.7	0.7		1.6	1.6	
						24.5		8.2		34.4		100.4		6.9			0.8			1.5		
				Bottom	11.2	23.5	23.5	8.1	8.1	35.4	35.4	84.8	84.2	5.9	5.8	5.8	2.0	2.1		1.3	1.3	
						23.5		8.1		35.4		83.5		5.8			2.1			1.3		
M3	Sunny	Calm	13:40	Surface	1.1	24.6	24.6	8.3	8.3	34.3	34.3	112.3	112.1	7.7	7.7	6.7	0.9	0.9	1.5	1.6	1.6	1.8
						24.6		8.3		34.3		111.9		7.7			0.9			1.5		
				Middle	4.2	24.0	24.0	8.2	8.2	34.8	34.8	84.5	84.5	5.8	5.8		1.1	1.1		1.9	1.8	
						24.0		8.2		34.8		84.4		5.8			1.1			1.7		
				Bottom	7.1	23.7	23.7	8.2	8.2	35.1	35.2	79.9	79.9	5.5	5.5	5.5	2.7	2.5		2.2	2.1	
						23.6		8.2		35.2		79.8		5.5			2.3			2.0		
M4	Sunny	Calm	13:22	Surface	1.0	24.4	24.4	8.1	8.1	34.4	34.4	98.2	98.3	6.7	6.7	6.7	0.8	0.8	1.1	3.0	3.2	2.1
						24.4		8.1		34.4		98.3		6.8			0.8			3.3		
				Middle	5.0	24.4	24.4	8.1	8.1	34.4	34.4	97.1	97.3	6.7	6.7		0.9	0.9		1.8	1.7	
						24.4		8.1		34.4		97.5		6.7			0.9			1.6		
				Bottom	9.0	23.8	23.8	8.1	8.1	35.0	35.0	86.8	86.5	6.0	6.0	6.0	1.5	1.5		1.5	1.5	
						23.7		8.1		35.1		86.2		6.0			1.6			1.4		
M5	Sunny	Calm	13:52	Surface	1.1	24.2	24.2	8.2	8.2	34.8	34.8	94.0	93.8	6.5	6.5	6.3	0.9	0.9	0.9	1.8	1.9	2.2
						24.2		8.2		34.8		93.6		6.4			0.9			1.9		
				Middle	6.6	24.0	24.0	8.2	8.2	34.9	34.9	88.7	88.7	6.1	6.1		1.0	1.0		2.1	2.2	
						24.0		8.2		34.9		88.7		6.1			0.9			2.2		
				Bottom	12.0	23.9	23.9	8.2	8.2	35.0	35.0	88.4	88.4	6.1	6.1	6.1	1.0	1.0		2.5	2.6	
						23.9		8.2		35.0		88.4		6.1			1.0			2.6		
M6	Sunny	Calm	13:47	Surface	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	0.8	-	-	1.5
						-		-		-		-		-			-			-		
				Middle	2.2	24.2	24.2	8.2	8.2	34.7	34.7	89.5	89.4	6.2	6.2		0.8	0.8		1.5	1.5	
						24.2		8.2		34.7		89.3		6.1			0.8			1.5		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 14 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 2.0 NTU	***C2: 2.2 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 2.5 mg/L	***C2: 2.7 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 2.5 mg/L	***C2: 2.7 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.5 mg/L	***C2: 3.8 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 17 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	16:04	Surface	1.1	21.1	21.1	8.4	8.4	33.4	33.4	125.4	125.6	8.4	8.4	8.2	0.3	0.3	0.6	2.4	2.6	2.4
						21.0		8.4		33.4		125.8		8.4			0.3			2.8		
				Middle	9.1	20.9	21.0	8.4	8.4	33.6	33.6	119.3	119.3	8.1	8.1		0.5	0.5		2.5	2.3	
						21.1		8.4		33.6		119.3		8.1			0.5			2.1		
				Bottom	17.0	20.9	20.9	8.3	8.3	33.9	33.9	102.1	101.7	7.0	6.9	6.9	0.8	0.9		2.2	2.2	
						21.0		8.3		34.0		101.3		6.9			1.0			2.2		
C2	Sunny	Calm	14:28	Surface	1.0	21.9	21.4	8.0	8.0	33.6	33.6	125.4	125.6	8.4	8.4	8.0	0.7	0.7	1.3	5.7	6.1	4.8
						20.9		8.0		33.6		125.7		8.4			0.7			6.4		
				Middle	16.6	20.9	20.9	8.1	8.1	33.7	33.7	113.1	113.8	7.6	7.7		1.3	1.2		4.3	4.7	
						20.9		8.1		33.7		114.5		7.7			1.1			5.0		
				Bottom	32.1	20.9	20.9	8.0	8.0	34.3	34.3	88.4	88.5	6.1	6.1	6.1	1.9	1.9		3.7	3.7	
						20.9		8.0		34.3		88.5		6.1			1.9			3.6		
G1	Sunny	Calm	15:03	Surface	1.1	21.5	21.2	8.4	8.4	33.4	33.4	128.3	128.5	8.5	8.5	8.3	0.8	0.8	1.1	3.2	2.9	3.9
						20.9		8.4		33.4		128.7		8.5			0.8			2.5		
				Middle	4.1	20.9	20.9	8.4	8.4	33.4	33.4	120.8	121.0	8.1	8.1		1.6	1.5		4.1	3.9	
						20.9		8.4		33.4		121.1		8.1			1.4			3.6		
				Bottom	7.1	20.8	20.8	8.3	8.3	33.4	33.4	117.0	117.1	7.9	7.9	7.9	1.1	1.1		5.0	5.0	
						20.7		8.4		33.4		117.1		7.9			1.2			4.9		
G2	Sunny	Calm	14:44	Surface	1.0	21.6	21.3	8.4	8.4	33.4	33.4	126.8	127.3	8.4	8.4	8.2	0.4	0.4	0.6	3.0	3.4	3.8
						20.9		8.4		33.4		127.7		8.4			0.4			3.7		
				Middle	5.0	20.9	20.9	8.4	8.4	33.6	33.7	119.6	119.6	8.1	8.1		0.6	0.6		3.9	3.8	
						20.9		8.4		33.7		119.5		8.1			0.6			3.7		
				Bottom	9.0	20.8	20.8	8.3	8.3	33.7	33.7	110.0	109.5	7.5	7.4	7.4	0.8	0.9		4.4	4.3	
						20.9		8.3		33.8		108.9		7.4			1.0			4.1		
G3	Sunny	Calm	15:11	Surface	1.1	21.4	21.2	8.4	8.4	33.4	33.4	125.8	125.9	8.4	8.4	8.4	0.9	0.9	1.0	3.2	3.0	4.3
						20.9		8.4		33.4		125.9		8.4			0.8			2.7		
				Middle	4.1	20.8	20.9	8.4	8.4	33.3	33.3	126.7	126.5	8.5	8.5		0.8	0.8		4.7	4.5	
						20.9		8.4		33.3		126.2		8.4			0.9			4.2		
				Bottom	7.0	20.7	20.8	8.4	8.4	33.6	33.7	112.8	112.6	7.7	7.6	7.6	1.2	1.2		5.8	5.5	
						20.8		8.4		33.7		112.3		7.6			1.2			5.2		
G4	Sunny	Calm	15:24	Surface	1.1	21.3	21.2	8.4	8.4	33.3	33.3	129.6	129.8	8.6	8.6	8.6	0.3	0.3	0.6	5.0	5.4	4.4
						21.0		8.4		33.3		130.0		8.6			0.2			5.8		
				Middle	4.0	21.0	21.0	8.4	8.4	33.3	33.3	128.0	128.4	8.6	8.6		0.3	0.3		5.0	5.0	
						20.9		8.4		33.3		128.8		8.6			0.3			4.9		
				Bottom	7.1	20.9	20.9	8.4	8.4	33.6	33.6	113.4	113.0	7.7	7.7	7.7	1.1	1.2		2.5	2.8	
						20.9		8.4		33.6		112.6		7.6			1.3			3.1		
M1	Sunny	Calm	14:50	Surface	1.0	21.8	21.4	8.4	8.4	33.4	33.4	129.7	129.8	8.5	8.5	8.6	0.4	0.4	0.5	3.1	3.0	3.4
						21.1		8.4		33.4		129.8		8.5			0.4			2.8		
				Middle	3.1	20.9	20.9	8.4	8.4	33.4	33.4	130.7	130.6	8.6	8.6		0.4	0.4		3.4	3.6	
						21.0		8.4		33.4		130.4		8.6			0.4			3.8		
				Bottom	5.1	20.8	20.8	8.4	8.4	33.5	33.5	128.1	127.8	8.5	8.5	8.5	0.8	0.8		4.0	3.8	
						20.8		8.4		33.5		127.4		8.5			0.9			3.5		
M2	Sunny	Calm	14:39	Surface	1.0	21.7	21.3	8.3	8.3	33.4	33.4	126.5	126.8	8.4	8.4	8.5	0.7	0.7	1.2	3.8	3.5	3.2
						20.9		8.3		33.4		127.0		8.4			0.8			3.1		
				Middle	5.5	20.8	20.8	8.3	8.3	33.4	33.4	128.8	128.6	8.6	8.6		0.8	0.8		3.1	3.1	
						20.9		8.3		33.4		128.3		8.5			0.7			3.0		
				Bottom	10.0	20.8	20.8	8.2	8.2	34.1	34.1	94.2	94.0	6.4	6.4	6.4	2.0	2.0		2.7	3.0	
						20.8		8.2		34.2		93.8		6.4			2.1			3.2		
M3	Sunny	Calm	15:17	Surface	1.0	21.7	21.3	8.4	8.4	33.1	33.1	127.2	127.4	8.4	8.4	8.7	0.9	0.9	1.0	3.8	3.6	3.3
						21.0		8.4		33.1		127.5		8.4			0.9			3.4		
				Middle	4.0	20.9	20.9	8.4	8.4	33.3	33.3	133.4	133.4	9.0	9.0		0.8	0.8		3.6	3.5	
						20.9		8.4		33.3		133.4		9.0			0.8			3.4		
				Bottom	7.1	20.7	20.7	8.3	8.3	33.4	33.4	112.1	110.9	7.6	7.5	7.5	1.2	1.3		2.4	2.8	
						20.8		8.3		33.5		109.6		7.4			1.4			3.2		
M4	Sunny	Calm	14:34	Surface	1.0	21.7	21.3	8.3	8.3	33.5	33.5	128.6	128.8	8.5	8.6	8.5	0.3	0.3	0.5	2.1	2.3	2.8
						21.0		8.3		33.5		129.0		8.6			0.3			2.5		
				Middle	5.0	20.9	20.9	8.3	8.3	33.5	33.5	127.1	127.4	8.5	8.5		0.4	0.4		3.2	3.2	
						20.8		8.3		33.5		127.7		8.5			0.4			3.1		
				Bottom	9.0	20.8	20.8	8.2	8.2	33.6	33.6	112.8	113.3	7.6	7.6	7.6	0.8	0.8		2.8	3.0	
						20.9		8.2		33.6		113.8		7.7			0.8			3.2		
M5	Sunny	Calm	15:54	Surface	1.1	21.0	21.0	8.4	8.4	33.4	33.4	126.9	127.5	8.5	8.5	8.3	0.4	0.3	0.6	3.9	3.7	3.3
						21.0		8.4		33.4		128.0		8.6			0.3			3.5		
				Middle	6.0	20.9	20.9	8.4	8.4	33.5	33.5	119.2	119.4	8.0	8.0		0.7	0.7		3.5	3.8	
						21.0		8.4		33.5		119.5		8.0			0.6			4.0		
				Bottom	11.0	20.9	20.9	8.4	8.4	33.7	33.7	115.5	115.2	7.8	7.8	7.8	0.7	0.7		2.2	2.6	
						20.9		8.4		33.7		114.9		7.8			0.8			2.9		
M6	Sunny	Calm	15:37	Surface	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	0.9	-	-	3.6
						-		-		-		-		-			-			-		
				Middle	2.2	21.0	21.0	8.4	8.4	33.3	33.3	123.9	126.2	8.2	8.3		0.9	0.9		3.2	3.6	
						21.0		8.4		33.3		128.4		8.5			1.0			3.9		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 17 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 2.3 NTU	***C2: 2.5 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 7.3 mg/L	***C2: 7.9 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 7.3 mg/L	***C2: 7.9 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 4.4 mg/L	***C2: 4.7 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 17 May 2021

(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	8:43	Surface	1.0	26.1	26.1	8.4	8.4	33.4	33.4	126.3	126.7	8.5	8.5	8.3	0.3	0.3	0.6	3.8	3.8	3.8
						26.0		8.4		33.4		127.0		8.5			0.4			3.7		
				Middle	8.5	25.7	25.7	8.4	8.4	33.6	33.6	119.7	120.1	8.1	8.1		0.4	0.4		3.6	3.7	
						25.7		8.4		33.5		120.4		8.1			0.4			3.8		
				Bottom	16.1	24.9	24.9	8.3	8.3	34.0	34.0	99.9	99.4	6.8	6.8	6.8	1.0	1.0		3.6	4.1	
						24.9		8.3		34.0		98.9		6.8			1.0			4.5		
C2	Sunny	Calm	7:17	Surface	1.0	26.5	26.5	8.0	8.0	33.5	33.5	123.5	124.2	8.2	8.3	7.9	0.6	0.6	1.2	3.5	3.3	3.7
						26.5		8.0		33.6		124.8		8.3			0.6			3.1		
				Middle	16.0	25.4	25.5	8.0	8.0	33.7	33.7	111.8	112.0	7.6	7.6		1.3	1.3		3.1	3.7	
						25.5		8.1		33.7		112.2		7.6			1.3			4.3		
				Bottom	31.1	25.0	24.8	8.0	8.0	34.0	34.1	95.2	94.2	6.5	6.4	6.4	1.5	1.6		4.5	4.2	
						24.7		8.0		34.2		93.1		6.4			1.8			3.8		
G1	Sunny	Calm	7:56	Surface	1.1	26.9	26.9	8.4	8.4	33.4	33.4	129.1	129.4	8.5	8.6	8.3	0.7	0.7	1.4	6.9	7.3	5.1
						26.9		8.4		33.4		129.6		8.6			0.7			7.7		
				Middle	3.7	26.3	26.4	8.4	8.4	33.4	33.4	121.4	121.7	8.1	8.1		1.3	1.2		4.2	4.5	
						26.5		8.4		33.4		121.9		8.1			1.1			4.8		
				Bottom	6.6	25.9	25.8	8.4	8.4	33.4	33.4	116.9	116.7	7.9	7.9	7.9	2.2	2.2		3.0	3.5	
						25.8		8.4		33.5		116.5		7.9			2.2			3.9		
G2	Sunny	Calm	7:39	Surface	1.1	27.1	27.1	8.4	8.4	33.4	33.4	128.2	128.4	8.5	8.5	8.3	0.4	0.4	0.7	2.8	2.9	4.2
						27.1		8.4		33.4		128.5		8.5			0.4			3.0		
				Middle	5.1	25.5	25.5	8.4	8.4	33.9	34.0	119.8	120.5	8.1	8.1		0.6	0.6		3.6	3.5	
						25.5		8.4		34.1		121.1		8.2			0.5			3.4		
				Bottom	9.0	25.2	25.2	8.3	8.3	33.8	33.8	108.5	108.4	7.4	7.4	7.4	1.1	1.2		5.9	6.2	
						25.2		8.3		33.8		108.2		7.4			1.2			6.4		
G3	Sunny	Calm	8:02	Surface	1.0	26.9	26.8	8.4	8.4	33.2	33.3	125.7	125.7	8.3	8.3	8.6	1.0	0.9	1.0	2.8	3.2	4.2
						26.8		8.4		33.3		125.7		8.3			0.8			3.6		
				Middle	3.8	25.9	25.9	8.4	8.4	33.3	33.3	133.5	132.8	9.0	8.9		0.9	0.8		4.2	4.5	
						26.0		8.4		33.3		132.1		8.9			0.8			4.7		
				Bottom	6.6	25.6	25.6	8.4	8.4	33.4	33.5	117.0	115.6	7.9	7.8	7.8	1.1	1.1		5.2	5.0	
						25.5		8.4		33.6		114.2		7.7			1.2			4.8		
G4	Sunny	Calm	8:18	Surface	1.0	26.9	26.9	8.4	8.4	33.3	33.3	128.0	128.6	8.5	8.5	8.5	0.2	0.2	0.4	4.4	4.4	3.5
						26.9		8.4		33.3		129.1		8.6			0.2			4.4		
				Middle	3.7	26.0	26.0	8.4	8.4	33.3	33.3	127.5	127.5	8.6	8.6		0.4	0.3		2.8	3.2	
						26.1		8.4		33.3		127.5		8.6			0.3			3.6		
				Bottom	6.6	25.7	25.6	8.4	8.4	33.4	33.5	116.2	115.5	7.9	7.8	7.8	0.7	0.8		3.0	3.0	
						25.6		8.4		33.5		114.7		7.8			0.9			2.9		
M1	Sunny	Calm	7:44	Surface	1.1	27.4	27.4	8.4	8.4	33.4	33.4	129.5	129.5	8.5	8.5	8.6	0.4	0.4	0.4	2.4	2.2	3.9
						27.4		8.4		33.4		129.5		8.5			0.4			2.0		
				Middle	3.1	27.0	27.0	8.4	8.4	33.4	33.4	131.0	130.9	8.7	8.7		0.4	0.4		4.1	4.5	
						27.0		8.4		33.4		130.8		8.6			0.3			4.8		
				Bottom	5.0	26.8	26.7	8.4	8.4	33.4	33.4	130.0	129.6	8.6	8.6	8.6	0.6	0.6		4.7	5.0	
						26.7		8.4		33.4		129.2		8.6			0.7			5.3		
M2	Sunny	Calm	7:33	Surface	1.1	27.0	27.0	8.3	8.3	33.4	33.4	124.0	124.9	8.2	8.2	8.5	0.7	0.7	1.0	4.3	4.3	3.9
						27.0		8.3		33.4		125.7		8.3			0.7			4.2		
				Middle	5.2	26.4	26.4	8.4	8.4	33.4	33.4	130.1	129.8	8.7	8.7		0.8	0.8		4.1	4.0	
						26.4		8.4		33.4		129.5		8.6			0.8			3.9		
				Bottom	9.5	25.2	25.1	8.2	8.2	33.9	33.9	101.0	98.4	6.9	6.7	6.7	1.5	1.6		3.0	3.4	
						25.0		8.2		34.0		95.8		6.5			1.7			3.7		
M3	Sunny	Calm	8:10	Surface	1.0	26.8	26.8	8.4	8.4	33.2	33.2	127.7	127.9	8.5	8.5	8.7	0.9	0.9	1.1	5.5	5.2	3.7
						26.8		8.4		33.2		128.1		8.5			0.9			4.9		
				Middle	3.8	26.0	26.1	8.4	8.4	33.3	33.2	133.3	133.3	9.0	8.9		0.8	0.8		3.5	3.5	
						26.2		8.4		33.2		133.3		8.9			0.8			3.4		
				Bottom	6.5	25.4	25.3	8.3	8.3	33.6	33.6	105.2	104.7	7.1	7.1	7.1	1.6	1.7		2.8	2.5	
						25.2		8.3		33.6		104.1		7.1			1.8			2.1		
M4	Sunny	Calm	7:25	Surface	1.1	26.6	26.6	8.3	8.3	33.5	33.5	129.5	129.8	8.6	8.6	8.6	0.3	0.2	0.5	2.0	2.4	2.0
						26.6		8.3		33.5		130.1		8.7			0.2			2.7		
				Middle	5.1	26.5	26.5	8.3	8.3	33.5	33.5	128.4	128.9	8.6	8.6		0.4	0.4		2.1	1.9	
						26.6		8.3		33.5		129.3		8.6			0.4			1.6		
				Bottom	9.0	25.8	25.8	8.2	8.2	33.6	33.6	115.2	115.4	7.8	7.8	7.8	0.9	0.9		1.8	1.7	
						25.8		8.2		33.6		115.6		7.8			0.9			1.5		
M5	Sunny	Calm	8:33	Surface	1.0	26.4	26.4	8.4	8.4	33.4	33.4	124.8	125.2	8.3	8.4	8.2	0.5	0.5	0.7	1.4	1.4	1.4
						26.4		8.4		33.4		125.6		8.4			0.5			<0.1		
				Middle	5.6	25.7	25.7	8.4	8.4	33.6	33.5	118.7	118.8	8.0	8.0		1.0	0.9		1.8	1.8	
						25.7		8.4		33.5		118.9		8.0			0.9			1.8		
				Bottom	10.1	25.4	25.4	8.4	8.4	33.7	33.7	116.9	116.6	7.9	7.9	7.9	0.9	0.8		2.0	1.8	
						25.3		8.4		33.7		116.3		7.9			0.8			1.6		
M6	Sunny	Calm	8:24	Surface	-	-	-	-	-	-	-	-	-	-	-	8.6	-	-	0.7	-	-	2.4
						-		-		-		-		-			-			-		
				Middle	2.0	26.9	26.9	8.4	8.4	33.3	33.3	129.4	129.4	8.6	8.6		8.0	8.0		2.1	2.4	
						26.9		8.4		33.3		129.4		8.6			8.0			2.6		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 17 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 1.2 NTU	***C1: 1.3 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 4.5 mg/L	***C1: 4.9 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 4.5 mg/L	***C1: 4.9 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 4.9 mg/L	***C1: 5.3 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 20 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Moderate	11:41	Surface	6.1	27.4	26.3	9.7	9.7	31.0	32.5	116.6	117.1	8.7	8.8	8.8	1.1	1.9	2.0	3.2	2.8	3.1
						25.1		9.7		33.9		117.5		8.8			2.6			2.3		
				Middle	6.7	26.2	25.6	9.7	9.7	31.8	32.9	116.8	117.3	8.7	8.8		1.1	1.8		2.7	3.2	
						25.1		9.8		33.9		117.7		8.8			2.5			3.6		
				Bottom	8.1	25.1	25.1	9.7	9.8	33.9	33.9	113.2	112.2	8.5	8.4	8.4	2.4	2.4		3.8	3.5	
						25.1		9.8		33.9		111.2		8.3			2.4			3.1		
C2	Sunny	Moderate	11:21	Surface	1.1	27.9	26.4	9.8	9.3	28.6	28.6	118.8	119.4	8.9	8.9	8.7	1.7	1.7	2.0	3.1	3.3	3.7
						24.8		8.8		28.6		119.9		9.0			1.7			3.4		
				Middle	8.7	27.9	26.3	8.8	9.1	34.1	34.1	112.9	113.4	8.5	8.5		2.1	2.1		3.6	3.7	
						24.8		9.3		34.1		113.9		8.5			2.1			3.8		
				Bottom	9.9	24.8	24.8	8.7	9.0	34.1	34.1	108.7	107.8	8.1	8.1	8.1	2.1	2.1		4.4	4.0	
						24.8		9.4		34.1		106.8		8.0			2.1			3.6		
G1	Sunny	Moderate	11:31	Surface	8.5	24.7	25.1	9.8	9.8	34.2	33.7	109.9	109.9	8.2	8.2	8.2	2.3	1.9	1.7	2.6	2.9	2.8
						25.5		9.8		33.2		109.9		8.2			1.6			3.2		
				Middle	6.6	24.7	26.2	9.8	9.8	34.2	32.3	106.6	107.9	8.0	8.1		2.1	1.6		3.0	2.9	
						27.8		9.7		30.3		109.1		8.2			1.1			2.8		
				Bottom	3.6	25.3	26.5	9.8	9.7	33.5	18.1	105.5	106.4	7.9	8.0	8.0	1.6	1.4		2.2	2.5	
						27.8		9.7		2.8		107.3		8.1			1.2			2.8		
G2	Sunny	Moderate	11:27	Surface	7.5	24.7	25.2	9.9	9.8	34.1	33.6	115.6	114.5	8.7	8.6	8.6	1.8	1.6	1.5	3.1	3.1	2.5
						25.6		9.7		33.1		113.4		8.5			1.5			3.0		
				Middle	5.4	24.7	26.2	9.9	9.7	34.1	31.9	114.6	114.4	8.6	8.6		1.8	1.6		2.1	2.4	
						27.6		9.6		29.7		114.1		8.6			1.4			2.6		
				Bottom	3.1	25.6	26.6	9.7	9.6	33.1	31.4	109.7	109.3	8.2	8.2	8.2	1.5	1.4		2.5	2.2	
						27.6		9.6		29.7		108.8		8.2			1.3			1.9		
G3	Sunny	Moderate	11:33	Surface	3.1	27.7	26.7	9.7	9.7	30.4	31.6	106.3	106.6	8.0	8.0	8.0	1.3	1.5	1.6	3.0	2.7	2.4
						25.7		9.7		32.9		106.9		8.0			1.6			2.3		
				Middle	5.6	27.8	26.3	9.7	9.8	30.4	32.2	105.9	106.2	8.0	8.0		1.2	1.5		2.2	2.3	
						24.7		9.8		34.1		106.4		8.0			1.9			2.4		
				Bottom	7.6	25.7	25.2	9.7	9.8	32.6	33.4	104.6	104.9	7.9	7.9	7.9	1.4	1.7		1.9	2.3	
						24.7		9.8		34.1		105.2		7.9			1.9			2.6		
G4	Sunny	Moderate	11:37	Surface	2.1	27.8	27.6	9.7	9.7	30.3	30.5	103.1	102.0	7.7	7.7	7.6	1.0	1.0	1.3	2.1	2.1	2.3
						27.4		9.7		30.8		100.9		7.6			1.1			2.1		
				Middle	3.6	27.8	26.7	9.7	9.7	30.3	31.8	101.4	101.4	7.6	7.6		1.1	1.4		2.4	2.2	
						25.6		9.7		33.3		101.3		7.6			1.7			2.0		
				Bottom	4.5	27.5	26.5	9.7	9.7	30.7	32.0	100.3	100.7	7.5	7.6	7.6	1.1	1.4		2.5	2.6	
						25.6		9.7		33.4		101.0		7.6			1.7			2.6		
M1	Sunny	Moderate	11:30	Surface	3.5	27.8	26.7	9.7	9.7	30.3	31.8	105.5	104.7	7.9	7.8	7.9	1.4	1.4	1.7	2.3	2.7	2.3
						25.5		9.7		33.2		103.8		7.8			1.5			3.0		
				Middle	6.5	27.8	26.2	9.7	9.8	30.3	32.3	104.3	105.3	7.8	7.9		1.1	1.8		2.6	2.5	
						24.7		9.8		34.2		106.2		8.0			2.5			2.3		
				Bottom	9.1	25.5	25.1	9.7	9.8	33.3	33.7	104.0	104.9	7.8	7.9	7.9	1.5	2.0		1.6	1.8	
						24.7		9.8		34.2		105.7		7.9			2.4			2.0		
M2	Sunny	Moderate	11:25	Surface	3.1	27.6	26.6	9.7	9.7	29.7	31.4	113.4	113.2	8.5	8.5	8.4	1.4	1.4	1.5	2.6	3.0	2.6
						25.6		9.8		33.1		113.0		8.5			1.5			3.4		
				Middle	5.5	27.6	26.2	9.7	9.8	29.8	32.0	109.9	111.6	8.2	8.4		1.3	1.5		2.4	2.6	
						24.7		9.9		34.1		113.2		8.5			1.7			2.8		
				Bottom	7.5	25.6	25.2	9.8	9.8	33.1	33.6	107.5	107.9	8.1	8.1	8.1	1.5	1.6		2.2	2.1	
						24.7		9.9		34.1		108.2		8.1			1.7			1.9		
M3	Sunny	Moderate	11:34	Surface	7.3	24.7	25.2	9.8	9.8	34.1	33.5	99.8	100.2	7.5	7.5	7.6	1.9	1.8	1.7	3.9	3.4	2.6
						25.7		9.7		32.9		100.5		7.5			1.7			2.9		
				Middle	5.1	24.8	26.3	9.8	9.8	34.1	32.4	101.3	101.2	7.6	7.6		1.9	1.7		2.5	2.3	
						27.7		9.7		30.8		101.1		7.6			1.4			2.0		
				Bottom	3.1	25.5	26.6	9.8	9.8	33.2	18.0	101.6	101.7	7.6	7.6	7.6	1.7	1.5		2.7	2.2	
						27.7		9.7		2.8		101.7		7.6			1.4			1.7		
M4	Sunny	Moderate	11:23	Surface	9.5	24.8	24.8	9.3	9.6	34.1	34.1	113.2	113.8	8.5	8.5	8.5	2.1	2.1	2.0	1.8	1.8	2.0
						24.8		10.0		34.1		114.3		8.6			2.2			1.7		
				Middle	5.6	24.8	26.2	9.4	9.5	34.1	31.6	111.9	113.2	8.4	8.5		2.1	1.9		2.1	1.8	
						27.7		9.7		29.1		114.5		8.6			1.7			1.5		
				Bottom	4.9	24.8	26.2	10.0	9.8	34.1	31.7	111.6	112.2	8.4	8.4	8.4	2.1	1.8		3.1	2.6	
						27.6		9.6		29.3		112.7		8.5			1.6			2.0		
M5	Sunny	Moderate	11:38	Surface	2.1	27.5	27.7	9.7	9.7	30.8	30.6	107.8	108.0	8.1	8.1	8.1	1.2	1.1	1.3	2.2	2.1	2.1
						27.8		9.7		30.3		108.2		8.1			1.1			2.0		
				Middle	1.4	27.5	27.7	9.7	9.7	30.7	30.5	108.2	108.1	8.1	8.1		1.1	1.8		2.6	2.1	
						27.8		9.7		30.4		108.0		8.1			2.5			1.5		
				Bottom	1.1	27.8	27.8	9.7	9.7	30.3	30.3	106.9	107.3	8.0	8.0	8.0	1.0	1.1		2.4	2.1	
						27.8		9.7		30.4		107.6		8.1			1.1			1.7		
M6	Sunny	Moderate	11:38	Surface	-	-	-	-	-	-	-	-	-	-	-	8.2	-	-	1.7	-	-	2.3
						-		-		-		-		-			-			-		
				Middle	6.0	25.6	25.6	9.7	9.7	33.3	33.3	109.2	109.3	8.2	8.2		1.7	1.7		2.2	2.3	
						25.6		9.7		33.3		109.3		8.2			1.6			2.4		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 20 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 2.5 NTU	***C2: 2.7 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.9 mg/L	***C2: 4.2 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.9 mg/L	***C2: 4.2 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 4.8 mg/L	***C2: 5.2 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 20 May 2021

(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	17:40	Surface	12.8	24.4	24.4	9.6	9.6	34.3	34.3	117.2	117.3	8.8	8.8	8.8	4.0	3.4	3.2	2.6	2.8	2.9
						24.5		9.6		34.3		117.3		8.8			2.8			3.0		
				Middle	12.1	24.4	24.5	9.6	9.6	34.3	34.3	117.4	117.7	8.8	8.8		4.0	3.4		2.5	2.8	
						24.5		9.6		34.3		117.9		8.8			2.7			3.1		
				Bottom	8.8	24.4	26.2	9.6	9.6	34.3	32.3	111.8	111.8	8.4	8.4	8.4	4.0	3.0		3.6	3.2	
						28.0		9.5		30.3		111.7		8.4			1.9			2.8		
C2	Sunny	Moderate	16:04	Surface	4.6	25.1	26.4	9.8	9.8	33.9	32.3	118.4	119.2	8.9	8.9	8.7	2.4	1.8	2.5	3.0	3.2	3.3
						27.7		9.7		30.7		120.0		9.0			1.2			3.4		
				Middle	2.4	27.5	27.7	9.8	9.7	31.7	16.3	113.3	114.0	8.5	8.5		1.8	2.3		3.1	3.3	
						27.9		9.7		0.9		114.7		8.6			2.9			3.5		
				Bottom	1.7	27.0	27.6	9.8	9.7	31.5	30.8	108.6	108.5	8.1	8.1	8.1	1.3	3.5		3.4	3.4	
						28.3		9.7		30.2		108.4		8.1			5.6			3.4		
G1	Sunny	Moderate	16:40	Surface	3.3	27.8	27.5	9.7	9.7	30.3	30.7	110.6	110.3	8.3	8.3	8.2	1.7	1.5	1.6	2.7	2.4	2.4
						27.1		9.7		31.1		109.9		8.3			1.3			2.1		
				Middle	5.3	27.8	26.4	9.7	9.7	30.4	32.1	109.8	108.9	8.2	8.2		1.6	1.7		2.7	2.6	
						25.0		9.7		33.9		107.9		8.1			1.8			2.4		
				Bottom	5.9	27.1	26.0	9.7	9.7	31.2	32.6	106.0	106.0	8.0	8.0	8.0	1.3	1.6		2.5	2.2	
						25.0		9.7		34.0		106.0		8.0			1.8			1.9		
G2	Sunny	Moderate	16:23	Surface	2.7	28.2	27.5	9.7	9.7	30.2	31.0	113.1	112.9	8.5	8.5	8.4	0.9	1.1	1.5	3.2	2.9	2.4
						26.8		9.7		31.8		112.6		8.4			1.3			2.5		
				Middle	4.7	28.3	26.8	9.7	9.7	30.1	31.7	110.3	110.4	8.3	8.3		0.9	1.4		2.8	2.4	
						25.3		9.7		33.3		110.5		8.3			1.8			2.0		
				Bottom	6.2	26.5	25.9	9.7	9.7	32.2	33.0	108.7	108.2	8.2	8.1	8.1	1.3	2.0		1.6	1.9	
						25.3		9.7		33.7		107.6		8.1			2.7			2.1		
G3	Sunny	Moderate	16:46	Surface	5.4	25.0	26.0	9.7	9.7	33.9	32.6	104.6	104.8	7.9	7.9	7.9	1.7	1.6	1.7	2.5	2.2	2.1
						26.9		9.7		31.3		105.0		7.9			1.5			1.8		
				Middle	4.0	25.0	26.4	9.8	9.7	33.9	32.2	105.8	106.0	7.9	8.0		1.7	1.5		1.8	2.2	
						27.7		9.7		30.4		106.2		8.0			1.2			2.5		
				Bottom	2.6	27.0	27.4	9.7	9.7	31.4	17.1	105.0	105.2	7.9	7.9	7.9	1.5	2.2		1.9	2.0	
						27.9		9.7		2.9		105.4		7.9			2.8			2.0		
G4	Sunny	Moderate	16:59	Surface	9.1	25.2	24.8	9.7	9.7	33.7	34.0	100.5	101.5	7.6	7.6	7.6	1.8	2.6	2.8	2.3	2.7	2.0
						24.5		9.8		34.3		102.4		7.7			3.4			3.0		
				Middle	8.9	25.1	24.8	9.7	9.7	33.8	34.0	100.7	102.4	7.6	7.7		1.9	2.6		1.6	1.6	
						24.5		9.8		34.3		104.0		7.8			3.4			1.5		
				Bottom	11.2	24.5	24.5	9.8	9.7	34.3	34.3	100.3	101.4	7.5	7.6	7.6	2.9	3.2		2.0	1.9	
						24.5		9.7		34.3		102.5		7.7			3.5			1.7		
M1	Sunny	Moderate	16:28	Surface	5.4	25.3	26.1	9.7	9.7	33.8	32.9	105.2	107.5	7.9	8.1	8.1	2.8	2.2	1.9	2.1	2.2	2.8
						26.9		9.7		31.9		109.8		8.2			1.6			2.2		
				Middle	3.6	25.3	26.7	9.7	9.7	33.8	32.0	106.8	107.7	8.0	8.1		2.7	1.9		2.9	3.0	
						28.1		9.7		30.2		108.6		8.1			1.0			3.1		
				Bottom	2.5	27.0	27.6	9.7	9.7	32.2	31.1	106.8	107.0	8.0	8.0	8.0	2.1	1.8		2.8	3.1	
						28.3		9.7		30.0		107.2		8.0			1.5			3.4		
M2	Sunny	Moderate	16:17	Surface	5.3	25.3	26.0	9.8	9.7	33.8	32.9	113.6	112.6	8.5	8.4	8.4	2.2	1.8	1.5	1.7	1.5	1.7
						26.7		9.7		32.0		111.6		8.4			1.4			1.2		
				Middle	3.6	25.2	26.7	9.7	9.7	33.8	32.0	111.5	111.7	8.4	8.4		2.2	1.6		1.4	1.5	
						28.2		9.7		30.2		111.8		8.4			1.0			1.5		
				Bottom	2.6	26.8	27.5	9.7	9.7	31.8	31.0	107.6	108.8	8.1	8.2	8.2	1.3	1.1		2.3	2.2	
						28.2		9.7		30.3		110.0		8.2			0.9			2.0		
M3	Sunny	Moderate	16:53	Surface	2.0	28.0	28.0	9.7	9.7	30.2	30.2	100.4	100.2	7.5	7.5	7.5	1.2	1.1	3.3	1.8	1.5	1.7
						28.0		9.7		30.2		99.9		7.5			1.1			1.2		
				Middle	1.6	28.0	27.9	9.7	9.7	30.2	30.0	99.2	99.7	7.5	7.5		1.0	4.6		1.7	1.5	
						27.7		9.7		29.8		100.1		7.5			8.1			1.2		
				Bottom	1.6	28.0	27.9	9.7	9.7	30.2	30.0	100.1	100.2	7.5	7.5	7.5	1.1	4.3		2.5	2.3	
						27.8		9.7		29.8		100.3		7.5			7.5			2.0		
M4	Sunny	Moderate	16:11	Surface	4.6	28.2	26.7	9.7	9.7	30.2	32.0	114.4	114.2	8.6	8.6	8.6	5.1	3.8	2.4	2.3	2.8	2.2
						25.2		9.7		33.9		113.9		8.5			2.4			3.2		
				Middle	6.2	26.7	25.9	9.7	9.7	31.6	32.7	114.2	114.4	8.6	8.6		1.1	1.7		2.0	2.6	
						25.2		9.7		33.8		114.5		8.6			2.2			3.1		
				Bottom	6.0	26.9	26.1	9.7	9.7	31.7	32.7	112.9	113.0	8.5	8.5	8.5	1.2	1.7		1.6	1.4	
						25.2		9.7		33.8		113.1		8.5			2.2			1.2		
M5	Sunny	Moderate	17:27	Surface	5.0	27.7	26.2	9.5	9.6	29.9	32.0	108.7	108.7	8.1	8.1	8.2	1.4	1.7	2.2	2.0	2.2	1.8
						24.7		9.6		34.1		108.6		8.1			2.0			2.3		
				Middle	5.8	27.8	26.2	9.5	9.6	29.9	32.1	109.1	109.4	8.2	8.2		1.7	2.1		1.9	1.7	
						24.6		9.7		34.2		109.6		8.2			2.4			1.5		
				Bottom	8.7	28.1	26.2	9.6	9.6	30.0	32.1	107.5	107.9	8.1	8.1	8.1	1.4	2.7		1.9	1.6	
						24.4		9.6		34.2		108.2		8.1			4.0			1.2		
M6	Sunny	Moderate	17:10	Surface	-	-	-	-	-	-	-	-	-	-	-	8.2	-	-	1.6	-	-	1.3
						-		-		-		-		-			-			-		
				Middle	6.0	25.3	25.3	9.6	9.6	33.6	33.5	109.3	109.3	8.2	8.2		8.0	8.0		1.2	1.3	
						25.3		9.6		33.5		109.2		8.2			8.0			1.4		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 20 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 3.5 NTU	***C1: 3.8 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.4 mg/L	***C1: 3.6 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.4 mg/L	***C1: 3.6 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.8 mg/L	***C1: 4.2 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 22 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Moderate	10:27	Surface	1.0	21.7	21.7	8.2	8.2	35.0	35.0	91.3	91.3	6.7	6.7	6.7	0.9	0.9	1.6	3.1	3.4	3.2
						21.7		8.2		35.0		91.3		6.7			0.9			3.7		
				Middle	8.5	21.7	21.7	8.2	8.2	35.0	35.0	91.0	91.0	6.7	6.6		1.7	1.7		3.4	3.4	
						21.7		8.2		35.0		91.0		6.6			1.7			3.4		
				Bottom	16.0	21.6	21.6	8.2	8.2	35.1	35.1	90.9	90.9	6.7	6.6	6.6	2.1	2.1		2.9	2.9	
						21.6		8.2		35.1		90.8		6.6			2.1			2.8		
C2	Sunny	Moderate	8:59	Surface	1.1	21.7	21.7	8.1	8.1	35.0	35.0	91.3	91.3	6.7	6.7	6.7	1.1	1.0	1.8	4.5	5.0	4.6
						21.7		8.1		35.0		91.2		6.7			1.0			5.4		
				Middle	16.1	21.7	21.7	8.2	8.2	35.0	35.0	91.5	91.5	6.7	6.7		2.0	2.0		4.0	4.5	
						21.7		8.2		35.0		91.5		6.7			2.0			4.9		
				Bottom	31.0	21.5	21.5	8.2	8.2	35.2	35.2	90.3	90.2	6.6	6.6	6.6	2.2	2.2		4.8	4.4	
						21.5		8.2		35.2		90.1		6.6			2.2			4.0		
G1	Sunny	Moderate	9:35	Surface	1.0	21.7	21.7	8.2	8.2	35.0	35.0	92.8	92.9	6.7	6.8	6.8	1.0	1.0	1.4	3.3	3.3	3.5
						21.7		8.2		35.0		92.9		6.8			1.0			3.3		
				Middle	3.8	21.7	21.7	8.2	8.2	35.0	35.0	92.1	92.2	6.8	6.8		1.5	1.5		3.3	3.5	
						21.7		8.2		35.0		92.3		6.8			1.6			3.6		
				Bottom	6.5	21.6	21.6	8.2	8.2	35.1	35.1	91.3	91.1	6.7	6.7	6.7	1.7	1.7		4.0	3.7	
						21.6		8.2		35.1		90.9		6.7			1.7			3.4		
G2	Sunny	Moderate	9:18	Surface	1.0	21.7	21.7	8.2	8.2	35.0	35.0	92.0	92.0	6.7	6.7	6.7	1.1	1.1	1.8	4.3	4.5	4.0
						21.7		8.2		35.0		91.9		6.7			1.1			4.7		
				Middle	5.1	21.7	21.7	8.2	8.2	35.0	35.0	91.0	91.0	6.7	6.7		1.9	1.9		4.1	3.9	
						21.7		8.2		35.0		91.0		6.7			1.9			3.7		
				Bottom	9.1	21.6	21.6	8.2	8.2	35.2	35.2	89.5	89.3	6.5	6.5	6.5	2.3	2.4		3.8	3.6	
						21.5		8.2		35.2		89.0		6.5			2.5			3.3		
G3	Sunny	Moderate	9:41	Surface	1.0	21.7	21.7	8.2	8.2	35.0	35.0	90.7	90.8	6.5	6.6	6.7	1.0	1.0	1.1	4.2	3.9	3.2
						21.7		8.2		35.0		90.8		6.6			1.0			3.5		
				Middle	3.7	21.7	21.7	8.2	8.2	35.0	35.0	91.8	91.9	6.7	6.7		1.1	1.0		2.8	2.9	
						21.7		8.2		35.0		91.9		6.7			1.0			3.0		
				Bottom	6.6	21.6	21.6	8.2	8.2	35.1	35.1	90.1	90.0	6.6	6.6	6.6	1.2	1.2		2.4	2.7	
						21.6		8.2		35.2		89.9		6.6			1.3			3.0		
G4	Sunny	Moderate	9:57	Surface	1.1	21.7	21.7	8.2	8.2	35.0	35.0	92.5	92.6	6.6	6.7	6.7	0.9	0.9	1.4	2.4	2.7	3.5
						21.7		8.2		35.0		92.7		6.8			0.9			3.0		
				Middle	3.7	21.7	21.7	8.2	8.2	35.0	35.0	92.1	92.2	6.7	6.8		1.7	1.7		3.0	3.5	
						21.7		8.2		35.0		92.3		6.8			1.7			3.9		
				Bottom	6.5	21.7	21.7	8.2	8.2	35.0	35.0	90.5	90.3	6.6	6.6	6.6	1.8	1.7		4.5	4.4	
						21.7		8.2		35.0		90.1		6.6			1.7			4.2		
M1	Sunny	Moderate	9:25	Surface	1.0	21.7	21.7	8.2	8.2	35.0	35.0	91.1	91.1	6.6	6.6	6.6	1.0	1.0	1.4	3.4	3.7	3.1
						21.7		8.2		35.0		91.1		6.6			1.0			3.9		
				Middle	3.0	21.7	21.7	8.2	8.2	35.0	35.0	91.1	91.1	6.7	6.7		1.6	1.6		3.0	2.7	
						21.7		8.2		35.0		91.1		6.7			1.6			2.4		
				Bottom	5.1	21.5	21.5	8.2	8.2	35.2	35.2	90.8	90.8	6.7	6.7	6.7	1.7	1.7		2.7	3.0	
						21.5		8.2		35.2		90.8		6.7			1.7			3.2		
M2	Sunny	Moderate	9:10	Surface	1.0	21.7	21.7	8.2	8.2	35.0	35.0	91.9	92.0	6.7	6.7	6.7	1.0	1.0	1.5	3.2	2.9	3.3
						21.7		8.2		35.0		92.0		6.8			1.1			2.5		
				Middle	5.2	21.7	21.7	8.2	8.2	35.0	35.0	91.6	91.7	6.7	6.7		1.6	1.6		3.7	3.3	
						21.7		8.2		35.0		91.7		6.7			1.7			2.8		
				Bottom	9.5	21.6	21.6	8.2	8.2	35.2	35.2	90.3	90.1	6.6	6.6	6.6	1.9	1.9		4.4	3.9	
						21.6		8.2		35.2		89.9		6.6			1.8			3.4		
M3	Sunny	Moderate	9:49	Surface	1.0	21.7	21.7	8.2	8.2	35.0	35.0	91.5	91.5	6.6	6.6	6.7	1.0	1.0	1.5	4.1	4.2	3.8
						21.7		8.2		35.0		91.5		6.7			1.0			4.2		
				Middle	3.7	21.7	21.7	8.2	8.2	35.0	35.0	91.1	91.1	6.7	6.7		1.5	1.6		3.9	3.7	
						21.7		8.2		35.0		91.0		6.7			1.6			3.5		
				Bottom	6.6	21.7	21.7	8.2	8.2	35.0	35.0	89.5	89.4	6.6	6.5	6.5	1.8	1.8		3.2	3.5	
						21.7		8.2		35.0		89.3		6.5			1.8			3.7		
M4	Sunny	Moderate	9:05	Surface	1.1	21.7	21.7	8.2	8.2	35.0	35.0	91.2	91.2	6.5	6.6	6.6	1.0	1.0	1.7	2.6	2.5	3.1
						21.7		8.2		35.0		91.2		6.7			1.0			2.4		
				Middle	5.1	21.7	21.7	8.2	8.2	35.0	35.0	91.0	91.0	6.7	6.7		1.8	1.8		3.2	3.2	
						21.7		8.2		35.0		91.0		6.7			1.8			3.2		
				Bottom	9.0	21.6	21.6	8.2	8.2	35.2	35.2	91.0	91.1	6.7	6.7	6.7	2.1	2.1		3.4	3.7	
						21.6		8.2		35.2		91.1		6.7			2.2			4.0		
M5	Sunny	Moderate	10:15	Surface	1.0	21.7	21.7	8.2	8.2	35.0	35.0	91.5	91.6	6.7	6.7	6.6	1.2	1.1	1.7	2.6	2.4	3.4
						21.7		8.2		35.0		91.6		6.7			1.1			2.2		
				Middle	5.5	21.7	21.7	8.2	8.2	35.1	35.1	90.8	90.9	6.6	6.6		1.9	2.0		3.1	3.4	
						21.7		8.2		35.0		91.0		6.5			2.0			3.7		
				Bottom	10.0	21.6	21.6	8.2	8.2	35.1	35.1	91.3	91.3	6.7	6.7	6.7	2.1	2.2		4.8	4.4	
						21.6		8.2		35.1		91.2		6.7			2.2			4.0		
M6	Sunny	Moderate	10:03	Surface	-	-	-	-	-	-	-	-	-	-	-	6.7	-	-	0.9	-	-	3.0
						-		-		-		-		-			-			-		
				Middle	2.0	21.7	21.7	8.2	8.2	35.0	35.0	91.6	91.7	6.7	6.7		1.0	0.9		2.5	3.0	
						21.7		8.2		35.0		91.8		6.7			0.9			3.4		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 22 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 2.7 NTU	***C2: 2.9 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.9 mg/L	***C2: 6.4 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.9 mg/L	***C2: 6.4 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.3 mg/L	***C2: 5.7 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 22 May 2021

(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	15:59	Surface	1.0	20.8	20.7		8.2	8.2		34.8	34.8		91.4	91.4		6.5	6.5	6.5	0.9	0.9		3.8	3.3	
						20.7			8.2			34.8			91.4			6.5			0.9			2.7		
				Middle	9.1	20.6	20.6		8.2	8.2		34.9	34.9		91.1	91.1		6.5	6.5		1.6	1.5	1.3	3.2	2.8	2.7
						20.7			8.2			34.9			91.1			6.5			1.5			2.3		
				Bottom	17.0	20.6	20.6		8.2	8.2		34.9	34.9		90.8	90.8		6.5	6.5	6.5	1.6	1.6		2.1	2.0	
						20.6			8.2			34.9			90.7			6.5			1.6			1.9		
C2	Sunny	Moderate	14:17	Surface	1.0	20.7	20.6		8.2	8.2		34.9	34.9		90.8	90.9		6.5	6.5	6.5	0.8	0.9		2.2	2.4	
						20.5			8.2			34.9			90.9			6.5			0.9			2.5		
				Middle	16.5	20.5	20.5		8.2	8.2		34.8	34.8		91.0	91.1		6.5	6.5		1.4	1.4	1.3	2.8	2.8	2.8
						20.5			8.2			34.8			91.1			6.5			1.4			2.7		
				Bottom	32.0	20.5	20.5		8.2	8.2		35.1	35.1		90.1	90.1		6.4	6.4	6.4	1.8	1.8		3.6	3.2	
						20.5			8.2			35.0			90.0			6.4			1.8			2.7		
G1	Sunny	Moderate	14:55	Surface	1.0	21.1	20.8		8.2	8.2		34.8	34.8		93.2	93.3		6.7	6.7	6.7	0.8	0.8		2.8	2.9	
						20.5			8.2			34.8			93.3			6.7			0.8			2.9		
				Middle	4.0	20.5	20.5		8.2	8.2		34.8	34.8		92.9	93.0		6.6	6.6		1.2	1.2	1.2	2.8	3.0	3.5
						20.5			8.2			34.8			93.0			6.7			1.2			3.2		
				Bottom	7.1	20.5	20.4		8.2	8.2		35.0	35.0		89.0	88.9		6.3	6.3	6.3	1.5	1.5		5.0	4.6	
						20.4			8.2			35.0			88.7			6.3			1.4			4.2		
G2	Sunny	Moderate	14:36	Surface	1.0	20.6	20.6		8.2	8.2		34.9	34.8		91.9	91.9		6.6	6.6	6.5	0.9	0.9		3.7	4.0	
						20.6			8.2			34.8			91.8			6.6			0.9			4.2		
				Middle	5.0	20.5	20.5		8.2	8.2		34.8	34.8		91.0	91.1		6.5	6.5		1.3	1.3	1.3	3.5	3.8	3.7
						20.6			8.2			34.9			91.1			6.5			1.3			4.0		
				Bottom	9.0	20.5	20.5		8.2	8.2		35.1	35.1		88.9	88.9		6.3	6.3	6.3	1.6	1.6		3.0	3.3	
						20.5			8.2			35.1			88.8			6.3			1.6			3.6		
G3	Sunny	Moderate	15:02	Surface	1.0	21.2	20.9		8.2	8.2		34.8	34.8		90.7	90.8		6.5	6.5	6.5	0.8	0.8		2.3	2.2	
						20.5			8.2			34.8			90.9			6.5			0.8			2.0		
				Middle	4.0	20.5	20.5		8.2	8.2		34.8	34.8		91.8	91.9		6.6	6.6		1.4	1.4	1.3	2.8	2.5	2.8
						20.5			8.2			34.8			92.0			6.6			1.4			2.2		
				Bottom	7.1	20.3	20.4		8.2	8.2		35.0	35.0		91.0	90.8		6.5	6.5	6.5	1.7	1.7		4.1	3.7	
						20.5			8.2			35.0			90.6			6.5			1.7			3.2		
G4	Sunny	Moderate	15:16	Surface	1.0	21.7	21.1		8.2	8.2		34.8	34.8		92.3	92.5		6.6	6.6	6.6	1.2	1.2		3.0	2.8	
						20.6			8.2			34.8			92.6			6.6			1.2			2.6		
				Middle	4.1	20.7	20.6		8.2	8.2		34.8	34.8		91.9	92.0		6.6	6.6		1.6	1.6	1.6	3.4	3.0	3.0
						20.6			8.2			34.8			92.1			6.6			1.6			2.5		
				Bottom	7.1	20.5	20.5		8.2	8.2		34.9	34.9		91.4	91.3		6.5	6.5	6.5	1.8	1.8		2.6	3.2	
						20.5			8.2			34.9			91.2			6.5			1.8			3.7		
M1	Sunny	Moderate	14:41	Surface	1.1	20.8	20.8		8.2	8.2		34.8	34.8		90.9	90.9		6.5	6.5	6.5	0.8	0.8		2.5	2.3	
						20.7			8.2			34.8			90.9			6.5			0.8			2.0		
				Middle	3.0	20.5	20.6		8.2	8.2		34.8	34.8		90.9	90.9		6.5	6.5		1.6	1.6	1.4	3.0	3.0	2.7
						20.6			8.2			34.8			90.9			6.5			1.5			2.9		
				Bottom	5.0	20.4	20.4		8.2	8.2		35.1	35.1		90.8	90.8		6.5	6.5	6.5	2.0	2.0		3.2	3.0	
						20.5			8.2			35.1			90.7			6.5			2.0			2.8		
M2	Sunny	Moderate	14:29	Surface	1.0	21.0	20.8		8.2	8.2		34.8	34.8		91.8	91.9		6.6	6.6	6.5	0.9	0.9		2.8	2.6	
						20.6			8.2			34.9			91.9			6.6			0.9			2.3		
				Middle	5.6	20.5	20.5		8.2	8.2		34.9	34.9		91.3	91.4		6.5	6.5		1.4	1.4	1.3	2.5	3.0	3.0
						20.5			8.2			34.9			91.4			6.5			1.4			3.4		
				Bottom	10.0	20.4	20.4		8.2	8.2		35.0	35.0		90.9	90.9		6.5	6.5	6.5	1.6	1.6		3.6	3.4	
						20.5			8.2			35.0			90.8			6.5			1.6			3.1		
M3	Sunny	Moderate	15:10	Surface	1.0	21.2	20.9		8.2	8.2		34.8	34.8		91.9	92.0		6.6	6.6	6.5	0.8	0.9		4.0	3.8	
						20.6			8.2			34.8			92.0			6.6			0.9			3.5		
				Middle	4.1	20.5	20.5		8.2	8.2		34.8	34.8		91.3	91.3		6.5	6.5		1.2	1.2	1.2	3.1	3.5	3.4
						20.5			8.2			34.8			91.3			6.5			1.3			3.9		
				Bottom	7.0	20.3	20.4		8.2	8.2		35.0	34.9		89.4	89.3		6.3	6.3	6.3	1.5	1.5		3.0	2.9	
						20.4			8.2			34.8			89.1			6.3			1.5			2.8		
M4	Sunny	Moderate	14:23	Surface	1.0	21.4	21.0		8.2	8.2		34.9	34.9		90.7	90.7		6.5	6.5	6.5	0.8	0.8		3.9	3.5	
						20.6			8.2			34.9			90.7			6.5			0.9			3.0		
				Middle	5.0	20.5	20.5		8.2	8.2		34.9	34.9		90.7	90.7		6.5	6.5		1.5	1.5	1.3	3.1	3.0	3.1
						20.5			8.2			34.9			90.7			6.5			1.4			2.9		
				Bottom	9.1	20.5	20.5		8.2	8.2		35.0	35.0		90.7	90.8		6.5	6.5	6.5	1.7	1.7		3.0	2.8	
						20.5			8.2			35.0			90.8			6.5			1.7			2.5		
M5	Sunny	Moderate	15:49	Surface	1.1	20.6	20.6		8.2	8.2		34.9	34.8		91.1	91.3		6.5	6.5	6.5	0.9	0.9		4.2	3.9	
						20.6			8.2			34.8			91.4			6.5			0.9			3.6		
				Middle	6.1	20.5	21.0		8.2	8.2		34.9	34.9		90.7	90.7		6.5	6.5		1.4	1.5	1.3	3.0	3.2	3.4
						21.4			8.2			34.8			90.7			6.5			1.5			3.3		
				Bottom	11.0	20.6	20.6		8.2	8.2		35.0	35.0		91.5	91.5		6.5	6.5	6.5	1.6	1.6		2.9	3.1	
						20.5			8.3			35.0			91.4			6.5			1.7			3.2		
M6	Sunny	Moderate	15:31	Surface	-	-	-		-	-		-	-		-	-		-	-	6.5	-	-		-	-	
						-			-			-			-			-			-			-		
				Middle	2.2	20.7	20.7		8.2	8.2		34.8	34.8		91.7	91.8		6.5	6.5		8.0	8.0	0.8	3.2	3.5	3.5
						20.6			8.2			34.8			91.8			6.6			8.0			3.8		
				Bottom	-	-	-		-	-		-	-		-	-		-	-	-	-	-		-	-	
						-			-			-			-			-			-			-		

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

Action and Limit Levels for Marine Water Quality on 22 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 1.9 NTU	***C1: 2.1 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.9 mg/L	***C1: 4.2 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.9 mg/L	***C1: 4.2 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 2.4 mg/L	***C1: 2.6 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 24 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	11:33	Surface	1.1	25.1	25.0	8.2	8.2	33.5	33.5	79.2	78.9	5.4	5.4	5.2	1.1	1.1	1.9	2.9	2.7	2.3
						25.0		8.2		33.6		78.6		5.4			1.1			2.4		
				Middle	8.6	24.6	24.6	8.1	8.1	34.2	34.1	72.5	72.7	5.0	5.0		1.5	1.4		2.8	2.4	
						24.7		8.1		34.0		72.8		5.0			1.4			2.0		
				Bottom	16.1	23.6	23.6	8.1	8.1	35.3	35.4	65.2	65.1	4.5	4.5	4.5	3.0	3.1		2.0	2.0	
						23.6		8.1		35.4		65.0		4.5			3.2			1.9		
C2	Sunny	Calm	10:01	Surface	1.0	25.5	25.5	8.1	8.1	33.5	33.5	101.1	101.1	6.9	6.9	6.4	0.9	0.9	1.4	3.0	3.2	3.0
						25.5		8.1		33.5		101.1		6.9			0.9			3.4		
				Middle	16.0	25.0	25.1	8.1	8.1	33.9	33.8	85.9	88.8	5.9	6.0		1.0	1.0		3.1	3.2	
						25.2		8.1		33.7		91.6		6.2			0.9			3.2		
				Bottom	31.0	23.9	23.8	8.1	8.1	35.1	35.1	68.8	68.6	4.8	4.7	4.7	2.3	2.3		2.4	2.7	
						23.8		8.1		35.1		68.3		4.7			2.3			3.0		
G1	Sunny	Calm	10:38	Surface	1.1	25.6	25.6	8.2	8.2	33.1	33.2	103.9	104.1	7.0	7.1	6.6	0.3	0.3	0.5	2.3	2.3	2.4
						25.6		8.2		33.2		104.3		7.1			0.3			2.3		
				Middle	3.8	24.9	25.0	8.2	8.2	34.0	33.9	88.3	89.0	6.0	6.1		0.5	0.4		2.1	2.3	
						25.1		8.2		33.7		89.6		6.1			0.4			2.5		
				Bottom	6.6	24.2	24.2	8.1	8.1	34.7	34.7	71.8	71.3	4.9	4.9	4.9	0.8	0.8		2.4	2.7	
						24.2		8.1		34.7		70.7		4.9			0.8			2.9		
G2	Sunny	Calm	10:22	Surface	1.0	24.8	24.7	8.1	8.1	34.1	34.1	78.7	78.6	5.4	5.4	5.2	0.9	1.0	1.4	2.8	2.9	2.6
						24.7		8.1		34.2		78.4		5.4			1.0			3.0		
				Middle	5.0	24.5	24.5	8.1	8.1	34.4	34.4	73.3	73.7	5.0	5.1		1.1	1.1		2.3	2.5	
						24.5		8.1		34.4		74.0		5.1			1.0			2.7		
				Bottom	9.0	24.1	24.0	8.1	8.1	34.9	34.9	63.8	63.5	4.4	4.4	4.4	2.1	2.2		1.9	2.4	
						24.0		8.1		35.0		63.2		4.4			2.3			2.8		
G3	Sunny	Calm	10:45	Surface	1.1	25.6	25.6	8.2	8.2	33.2	33.3	105.3	103.2	7.1	7.0	6.3	0.3	0.3	0.6	3.5	3.2	2.7
						25.6		8.2		33.3		101.1		6.9			0.3			2.8		
				Middle	3.8	24.7	24.7	8.2	8.2	34.2	34.2	83.0	83.3	5.7	5.7		0.8	0.8		2.6	2.4	
						24.8		8.2		34.1		83.6		5.7			0.8			2.2		
				Bottom	6.6	24.5	24.5	8.1	8.1	34.4	34.4	74.0	73.6	5.1	5.0	5.0	0.8	0.8		2.6	2.5	
						24.4		8.1		34.5		73.2		5.0			0.8			2.4		
G4	Sunny	Calm	11:03	Surface	1.0	25.2	25.2	8.2	8.2	33.7	33.7	93.3	93.1	6.4	6.3	6.0	0.4	0.4	0.7	2.6	2.7	2.8
						25.2		8.2		33.7		92.8		6.3			0.4			2.8		
				Middle	3.7	24.8	24.8	8.2	8.2	34.1	34.1	83.2	83.3	5.7	5.7		0.6	0.6		3.1	2.8	
						24.8		8.2		34.1		83.4		5.7			0.6			2.4		
				Bottom	6.5	24.4	24.4	8.1	8.1	34.5	34.5	69.9	69.8	4.8	4.8	4.8	1.1	1.1		3.2	2.9	
						24.4		8.1		34.5		69.6		4.8			1.1			2.6		
M1	Sunny	Calm	10:27	Surface	1.0	25.3	25.2	8.1	8.1	33.5	33.5	89.1	87.1	6.1	5.9	5.8	1.2	1.2	1.3	3.4	2.9	2.4
						25.2		8.1		33.6		85.0		5.8			1.2			2.4		
				Middle	3.1	25.0	25.0	8.1	8.1	34.0	34.0	82.5	82.8	5.6	5.6		1.4	1.4		2.7	2.4	
						25.0		8.1		33.9		83.1		5.7			1.4			2.0		
				Bottom	5.1	24.8	24.8	8.1	8.1	34.2	34.2	74.3	73.9	5.1	5.0	5.0	1.4	1.4		2.2	1.9	
						24.7		8.1		34.3		73.4		5.0			1.4			1.5		
M2	Sunny	Calm	10:14	Surface	1.1	25.1	25.1	8.1	8.1	33.8	33.9	83.4	82.7	5.7	5.6	5.2	0.7	0.7	1.0	2.1	1.9	2.0
						25.0		8.1		33.9		81.9		5.6			0.7			1.7		
				Middle	5.2	24.1	24.1	8.1	8.1	34.8	34.8	70.0	70.2	4.8	4.8		0.9	0.9		1.4	1.8	
						24.1		8.1		34.8		70.4		4.9			0.9			2.2		
				Bottom	9.5	23.9	23.9	8.1	8.1	35.0	35.1	67.8	67.3	4.7	4.6	4.6	1.3	1.4		2.8	2.4	
						23.8		8.1		35.1		66.7		4.6			1.5			2.0		
M3	Sunny	Calm	10:55	Surface	1.0	25.4	25.3	8.2	8.2	33.6	33.6	98.0	95.1	6.7	6.5	6.1	0.3	0.4	0.9	3.0	2.9	2.7
						25.3		8.2		33.6		92.1		6.3			0.4			2.8		
				Middle	3.7	24.8	24.9	8.2	8.2	34.1	34.0	84.6	85.2	5.8	5.8		0.6	0.6		2.5	2.7	
						25.0		8.2		33.9		85.7		5.8			0.6			2.9		
				Bottom	6.5	24.3	24.3	8.1	8.1	34.7	34.7	64.0	63.9	4.4	4.4	4.4	1.5	1.6		2.1	2.5	
						24.3		8.1		34.7		63.8		4.4			1.6			2.8		
M4	Sunny	Calm	10:07	Surface	1.0	24.8	24.8	8.1	8.1	34.1	34.1	82.7	79.7	5.6	5.4	5.1	0.9	0.9	1.3	2.1	2.0	2.2
						24.8		8.1		34.2		76.6		5.2			0.9			1.9		
				Middle	5.1	24.1	24.2	8.1	8.1	34.9	34.7	69.6	70.2	4.8	4.8		1.4	1.3		1.9	2.0	
						24.3		8.1		34.6		70.7		4.9			1.2			2.1		
				Bottom	9.0	23.8	23.8	8.1	8.1	35.2	35.2	65.5	65.4	4.5	4.5	4.5	1.7	1.7		2.5	2.7	
						23.8		8.1		35.2		65.2		4.5			1.7			2.8		
M5	Sunny	Calm	11:23	Surface	1.1	25.0	25.0	8.2	8.2	33.7	33.7	85.2	84.7	5.8	5.8	5.4	1.2	1.1	1.9	2.5	2.4	2.1
						25.0		8.2		33.7		84.2		5.8			1.1			2.3		
				Middle	5.5	24.2	24.3	8.1	8.1	34.6	34.6	72.0	72.4	5.0	5.0		1.7	1.6		1.7	1.9	
						24.3		8.1		34.6		72.7		5.0			1.6			2.1		
				Bottom	10.0	23.6	23.6	8.1	8.1	35.4	35.4	64.1	64.0	4.4	4.4	4.4	2.7	2.9		2.0	2.0	
						23.5		8.1		35.5		63.9		4.4			3.0			1.9		
M6	Sunny	Calm	11:11	Surface	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	1.1	-	-	2.9
						-		-		-		-		-			-			-		
				Middle	2.1	25.2	25.2	8.2	8.2	33.8	33.8	95.0	94.6	6.5	6.4		1.1	1.1		3.1	2.9	
						25.2		8.2		33.8		94.1		6.4			1.1			2.6		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 24 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 2.8 NTU	***C2: 3.0 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.8 mg/L	***C2: 4.2 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.8 mg/L	***C2: 4.2 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.2 mg/L	***C2: 3.5 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 24 May 2021

(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	17:40	Surface	1.1	21.1	21.1		8.2	8.2		33.3	33.3		80.6	80.2		5.5	5.5	5.2	1.0	1.0	1.7	2.5	2.8	2.5
						21.0			8.2			33.4			79.8			5.4			1.1			3.1		
				Middle	9.1	20.9	21.0		8.1	8.1		34.3	34.3		72.3	72.4		5.0	5.0		1.6	1.6		2.4	2.7	
						21.1			8.1			34.2			72.4			5.0			1.5			3.0		
				Bottom	17.0	20.9	20.9		8.1	8.1		34.8	35.0		65.9	65.7		4.5	4.5	4.5	2.4	2.5		2.1	1.9	
						21.0			8.1			35.1			65.5			4.5			2.7			1.7		
C2	Sunny	Calm	16:04	Surface	1.0	21.6	21.3		8.1	8.1		33.5	33.5		101.0	101.0		6.9	6.9	6.6	0.9	0.8	1.4	2.0	2.4	2.8
						20.9			8.1			33.5			101.0			6.9			0.8			2.8		
				Middle	16.5	20.9	20.9		8.1	8.1		33.6	33.6		92.8	93.5		6.3	6.4		0.9	0.9		2.8	2.5	
						20.9			8.1			33.6			94.2			6.4			0.9			2.2		
				Bottom	32.1	20.9	20.9		8.0	8.0		35.1	35.1		67.3	67.0		4.7	4.6	4.6	2.4	2.4		3.1	3.4	
						20.9			8.0			35.1			66.7			4.6			2.4			3.6		
G1	Sunny	Calm	16:40	Surface	1.1	21.8	21.3		8.1	8.2		33.2	33.2		96.5	100.1		6.6	6.8	6.3	0.5	0.5	0.6	3.0	3.3	3.0
						20.9			8.2			33.1			103.7			7.0			0.5			3.6		
				Middle	4.0	20.9	20.9		8.2	8.2		34.0	34.0		85.5	86.2		5.8	5.9		0.5	0.5		3.4	3.3	
						20.8			8.2			34.0			86.8			5.9			0.5			3.1		
				Bottom	7.1	20.8	20.8		8.1	8.1		34.6	34.6		73.8	73.4		5.1	5.0	5.0	0.7	0.7		2.4	2.5	
						20.7			8.1			34.7			73.0			5.0			0.8			2.6		
G2	Sunny	Calm	16:23	Surface	1.1	21.5	21.2		8.1	8.1		33.9	34.0		85.4	82.3		5.8	5.6	5.3	0.9	0.9	1.2	2.3	2.2	2.5
						20.9			8.1			34.0			79.2			5.4			0.9			2.1		
				Middle	5.1	20.9	20.9		8.1	8.1		34.5	34.5		73.0	73.1		5.0	5.0		1.1	1.0		2.0	2.6	
						20.9			8.1			34.5			73.1			5.0			1.0			3.2		
				Bottom	9.0	20.8	20.8		8.1	8.1		34.7	34.8		65.8	65.2		4.5	4.5	4.5	1.5	1.6		2.9	2.6	
						20.9			8.1			34.8			64.5			4.4			1.8			2.2		
G3	Sunny	Calm	16:46	Surface	1.0	21.8	21.4		8.2	8.2		33.3	33.3		99.6	99.3		6.8	6.7	6.3	0.3	0.4	0.6	2.2	2.4	2.6
						20.9			8.2			33.4			99.0			6.7			0.4			2.5		
				Middle	4.0	20.8	20.9		8.2	8.2		34.0	33.9		84.6	85.3		5.8	5.8		0.7	0.6		2.5	2.8	
						20.9			8.2			33.8			85.9			5.9			0.6			3.0		
				Bottom	7.1	20.7	20.8		8.1	8.1		34.6	34.6		72.6	72.5		5.0	5.0	5.0	0.8	0.8		2.3	2.8	
						20.8			8.1			34.7			72.3			5.0			0.8			3.3		
G4	Sunny	Calm	16:59	Surface	1.0	21.4	21.2		8.2	8.2		33.7	33.7		92.2	92.0		6.3	6.3	6.0	0.4	0.4	0.8	3.2	3.4	2.8
						21.0			8.2			33.7			91.7			6.2			0.4			3.6		
				Middle	4.1	21.0	21.0		8.2	8.2		34.1	34.0		83.8	84.1		5.7	5.7		0.6	0.6		2.8	2.8	
						20.9			8.2			34.0			84.3			5.8			0.5			2.8		
				Bottom	7.0	20.9	20.9		8.1	8.1		34.6	34.6		69.1	68.8		4.7	4.7	4.7	1.2	1.3		2.0	2.2	
						20.9			8.1			34.6			68.5			4.7			1.4			2.4		
M1	Sunny	Calm	16:28	Surface	1.0	21.5	21.3		8.1	8.1		33.6	33.6		84.9	84.9		5.8	5.8	5.7	1.2	1.2	1.4	2.1	2.6	2.3
						21.1			8.1			33.7			84.8			5.8			1.2			3.0		
				Middle	3.1	20.9	20.9		8.1	8.1		33.9	33.8		83.7	84.0		5.7	5.7		1.4	1.4		2.3	2.3	
						21.0			8.1			33.8			84.2			5.7			1.3			2.2		
				Bottom	5.0	20.8	20.8		8.1	8.1		34.3	34.3		72.9	72.7		5.0	5.0	5.0	1.5	1.5		2.3	2.1	
						20.8			8.1			34.3			72.5			5.0			1.6			1.9		
M2	Sunny	Calm	16:17	Surface	1.1	21.0	21.0		8.1	8.1		34.0	34.1		81.2	81.0		5.5	5.5	5.2	0.7	0.8	1.1	3.8	3.3	2.9
						20.9			8.1			34.1			80.8			5.5			0.8			2.8		
				Middle	5.5	20.9	20.8		8.1	8.1		34.8	34.8		70.6	70.8		4.9	4.9		1.0	0.9		3.2	2.8	
						20.8			8.1			34.7			70.9			4.9			0.9			2.4		
				Bottom	10.0	20.8	20.8		8.1	8.1		35.2	35.2		65.9	65.6		4.6	4.5	4.5	1.7	1.7		2.4	2.7	
						20.8			8.1			35.2			65.3			4.5			1.8			3.0		
M3	Sunny	Calm	16:53	Surface	1.1	21.1	21.0		8.2	8.2		33.4	33.5		99.7	99.4		6.8	6.7	6.2	0.3	0.3	0.8	2.0	2.6	2.4
						21.0			8.2			33.6			99.1			6.7			0.4			3.2		
				Middle	4.0	20.9	20.9		8.2	8.2		34.2	34.2		82.6	83.3		5.6	5.7		0.6	0.6		2.5	2.7	
						20.9			8.2			34.2			83.9			5.7			0.6			2.9		
				Bottom	7.1	20.7	20.7		8.1	8.1		34.7	34.7		68.5	66.5		4.7	4.6	4.6	1.3	1.4		2.1	2.0	
						20.8			8.1			34.7			64.5			4.4			1.5			1.8		
M4	Sunny	Calm	16:11	Surface	1.1	22.0	21.5		8.1	8.1		33.9	34.0		84.8	84.5		5.8	5.8	5.2	0.9	0.9	1.4	2.8	2.4	2.2
						21.0			8.1			34.1			84.1			5.7			0.9			2.0		
				Middle	5.0	20.9	20.9		8.1	8.1		35.2	35.1		68.3	68.6		4.7	4.7		1.8	1.7		2.5	2.2	
						20.8			8.1			35.1			68.9			4.8			1.6			1.9		
				Bottom	9.0	20.8	20.9		8.1	8.1		35.2	35.2		66.3	66.1		4.6	4.6	4.6	1.8	1.8		2.2	1.9	
						20.9			8.1			35.2			65.8			4.6			1.8			1.6		
M5	Sunny	Calm	17:27	Surface	1.0	21.0	21.0		8.2	8.2		33.7	33.7		83.5	83.3		5.7	5.7	5.4	1.1	1.1	2.0	1.4	1.3	1.8
						20.9			8.2			33.7			83.1			5.7			1.2			1.2		
				Middle	6.0	20.9	21.4		8.2	8.2		34.5	34.4		73.2	73.6		5.0	5.1		1.5	1.5		2.0	1.9	
						21.9			8.2			34.3			74.0			5.1			1.4			1.7		
				Bottom	11.1	20.9	20.9		8.1	8.1		35.5	35.5		63.8	63.8		4.4	4.4	4.4	3.3	3.3		2.0	2.3	
						20.9			8.1			35.5			63.7			4.4			3.4			2.6		
M6	Sunny	Calm	17:10	Surface	-	-	-		-	-		-	-		-	-		-	-	6.6	-	-	1.0	-	-	1.6
						-			-			-			-			-			-			-		
				Middle	2.2	21.8	21.4		8.2	8.2		33.7	33.7		97.2	96.7		6.6	6.6		8.0	8.0		1.8	1.6	
						21.0			8.2			33.7			96.1			6.5			8.0			1.4		
				Bottom	-	-	-		-	-		-	-		-	-		-	-	-	-	-		-	-	
						-			-			-			-			-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 24 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 3.0 NTU	***C1: 3.3 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.4 mg/L	***C1: 3.6 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.4 mg/L	***C1: 3.6 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 2.3 mg/L	***C1: 2.5 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 26 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	13:12	Surface	1.0	25.4	25.4	7.9	7.9	32.6	32.7	78.7	78.2	6.6	6.6	6.6	1.8	1.7	2.5	2.1	2.2	2.7
						25.4		7.9		32.7		77.7		6.6			1.7			2.2		
				Middle	9.0	25.3	25.3	8.0	8.0	33.0	33.2	74.9	73.6	6.6	6.6		2.8	2.9		2.3	2.7	
						25.3		8.0		33.4		72.3		6.6			3.0			3.0		
				Bottom	17.1	25.3	25.2	8.0	8.0	33.4	33.4	70.2	69.7	6.5	6.5	6.5	2.8	2.8		3.8	3.4	
						25.2		8.0		33.5		69.1		6.5			2.7			3.0		
C2	Sunny	Calm	12:01	Surface	1.1	25.4	25.4	7.8	7.8	32.5	32.4	65.6	65.2	6.6	6.6	6.6	3.1	3.1	3.1	2.3	1.9	2.2
						25.4		7.8		32.4		64.8		6.6			3.1			1.4		
				Middle	16.1	25.3	25.3	7.8	7.8	32.5	32.6	63.8	63.7	6.6	6.6		3.1	3.1		1.4	2.0	
						25.3		7.8		32.6		63.5		6.6			3.2			2.5		
				Bottom	31.0	25.3	25.3	7.9	7.9	32.7	32.7	62.9	62.9	6.6	6.5	6.5	3.3	3.2		2.6	2.9	
						25.3		7.9		32.8		62.9		6.5			3.0			3.1		
G1	Sunny	Calm	12:33	Surface	1.1	25.3	25.3	8.0	8.0	32.6	32.7	70.0	69.9	6.8	6.8	6.8	1.6	1.6	1.4	3.8	3.6	3.1
						25.3		8.0		32.7		69.7		6.8			1.5			3.4		
				Middle	4.1	25.3	25.3	8.0	8.0	33.5	33.5	69.0	69.0	6.8	6.8		1.0	1.0		2.7	3.3	
						25.3		8.0		33.5		68.9		6.8			1.0			3.8		
				Bottom	7.0	25.3	25.3	8.0	8.0	33.6	33.7	68.6	68.4	6.7	6.7	6.7	1.5	1.5		3.0	2.5	
						25.3		8.0		33.7		68.1		6.7			1.6			2.0		
G2	Sunny	Calm	12:20	Surface	1.1	25.4	25.4	7.8	7.9	33.3	33.3	72.0	71.7	6.7	6.7	6.6	1.0	0.9	1.0	2.5	2.2	3.1
						25.4		8.0		33.3		71.3		6.7			0.9			1.8		
				Middle	5.1	25.3	25.3	7.9	7.9	33.6	33.6	71.3	71.4	6.6	6.6		0.8	0.8		3.2	3.4	
						25.3		8.0		33.6		71.4		6.6			0.9			3.5		
				Bottom	9.0	25.2	25.2	7.9	8.0	33.7	33.7	68.6	68.5	6.6	6.6	6.6	1.1	1.1		3.3	3.7	
						25.2		8.0		33.7		68.3		6.6			1.1			4.0		
G3	Sunny	Calm	12:40	Surface	1.0	25.3	25.3	8.0	8.0	33.0	33.1	71.2	70.8	6.7	6.6	6.6	1.2	1.2	1.3	3.5	3.6	3.9
						25.3		8.0		33.2		70.4		6.6			1.3			3.7		
				Middle	4.0	25.2	25.2	8.0	8.0	33.4	33.5	69.0	68.8	6.6	6.6		1.4	1.4		3.3	3.7	
						25.2		8.0		33.6		68.5		6.6			1.4			4.0		
				Bottom	7.1	25.2	25.3	8.0	8.0	33.7	33.7	67.7	68.3	6.6	6.5	6.5	1.4	1.4		4.2	4.3	
						25.3		8.0		33.7		68.9		6.5			1.4			4.4		
G4	Sunny	Calm	12:53	Surface	1.1	25.3	25.3	7.9	7.9	33.2	33.2	69.7	69.7	6.3	6.5	6.5	1.2	1.2	1.3	3.0	2.8	3.3
						25.3		7.9		33.2		69.6		6.7			1.2			2.5		
				Middle	4.1	25.2	25.2	8.0	8.0	33.6	33.6	68.0	68.0	6.6	6.6		1.6	1.6		3.8	3.5	
						25.2		8.0		33.6		67.9		6.6			1.6			3.2		
				Bottom	7.0	25.3	25.3	8.0	8.0	33.8	33.8	68.4	68.4	6.6	6.5	6.5	1.2	1.2		3.0	3.5	
						25.3		8.0		33.8		68.3		6.4			1.1			4.0		
M1	Sunny	Calm	12:27	Surface	1.1	25.5	25.5	8.0	8.0	32.2	32.4	72.4	72.0	6.5	6.5	6.5	1.3	1.2	1.2	3.7	4.0	4.4
						25.4		8.0		32.6		71.6		6.5			1.1			4.3		
				Middle	3.0	25.4	25.4	8.0	8.0	33.3	33.4	69.6	69.2	6.5	6.5		1.0	1.0		4.0	4.2	
						25.3		8.0		33.4		68.7		6.5			1.0			4.3		
				Bottom	5.1	25.3	25.3	8.0	8.0	33.6	33.6	66.9	66.1	6.5	6.5	6.5	1.5	1.5		5.4	5.1	
						25.3		8.0		33.6		65.3		6.5			1.5			4.8		
M2	Sunny	Calm	12:13	Surface	1.1	25.3	25.3	8.0	8.0	33.4	33.4	74.1	73.7	6.6	6.6	6.6	0.8	0.8	1.3	4.3	4.8	4.1
						25.3		8.0		33.4		73.2		6.6			0.8			5.2		
				Middle	6.0	25.2	25.2	8.0	8.0	33.7	33.7	69.6	69.5	6.6	6.6		1.5	1.5		5.0	4.6	
						25.2		8.0		33.7		69.4		6.6			1.6			4.1		
				Bottom	11.0	25.1	25.1	8.0	8.0	33.8	33.8	65.9	65.4	6.6	6.6	6.6	1.6	1.6		3.2	2.9	
						25.1		8.0		33.8		64.8		6.6			1.6			2.6		
M3	Sunny	Calm	12:46	Surface	1.1	25.3	25.3	8.0	8.0	33.2	33.2	70.0	69.9	6.5	6.5	6.5	1.2	1.2	1.3	4.0	3.9	3.3
						25.3		8.0		33.2		69.8		6.5			1.2			3.7		
				Middle	4.1	25.2	25.2	8.0	8.0	33.6	33.6	68.3	68.3	6.4	6.5		1.6	1.6		3.0	3.2	
						25.2		8.0		33.6		68.2		6.5			1.5			3.4		
				Bottom	7.0	25.3	25.3	8.0	8.0	33.7	33.8	69.4	69.2	6.3	6.3	6.3	1.1	1.2		3.0	2.8	
						25.3		8.0		33.8		69.0		6.3			1.2			2.6		
M4	Sunny	Calm	12:07	Surface	1.0	25.4	25.4	8.0	8.0	32.8	32.8	68.9	68.7	6.6	6.6	6.5	1.3	1.3	1.3	4.0	4.3	4.0
						25.4		8.0		32.8		68.5		6.6			1.3			4.6		
				Middle	5.1	25.4	25.4	8.0	8.0	33.1	33.1	71.8	71.9	6.5	6.5		1.4	1.4		4.6	4.1	
						25.4		8.0		33.1		71.9		6.5			1.5			3.5		
				Bottom	9.0	25.2	25.3	8.0	8.0	33.7	33.7	70.7	70.4	6.5	6.5	6.5	1.1	1.1		4.0	3.7	
						25.3		8.0		33.7		70.1		6.5			1.2			3.4		
M5	Sunny	Calm	13:05	Surface	1.1	25.3	25.3	7.9	7.9	33.3	33.3	71.1	70.1	6.7	6.7	6.5	1.4	1.4	1.6	3.0	3.1	3.5
						25.3		7.9		33.3		69.0		6.6			1.5			3.2		
				Middle	6.1	25.3	25.3	7.9	7.9	33.3	33.3	67.9	67.9	6.4	6.4		1.8	1.8		3.4	3.4	
						25.3		7.9		33.3		67.8		6.4			1.7			3.3		
				Bottom	11.0	25.3	25.3	8.0	8.0	33.4	33.4	67.5	67.5	6.4	6.4	6.4	1.7	1.8		3.8	4.2	
						25.3		8.0		33.4		67.5		6.4			1.8			4.5		
M6	Sunny	Calm	12:59	Surface	-	-	-	-	-	-	-	-	-	-	-	6.7	-	-	0.9	-	-	3.1
						-		-		-		-		-			-			-		
				Middle	2.0	25.2	25.2	8.0	8.0	33.5	33.5	69.9	69.6	6.7	6.7		0.9	0.9		2.9	3.1	
						25.2		8.0		33.5		69.3		6.7			0.9			3.2		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 26 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 3.8 NTU	***C2: 4.1 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 2.2 mg/L	***C2: 2.4 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 2.2 mg/L	***C2: 2.4 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 3.4 mg/L	***C2: 3.7 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 26 May 2021

(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	18:51	Surface	1.0	25.4	25.4	8.0	8.0	32.7	32.7	78.1	77.7	6.4	6.5	6.5	1.6	1.6	2.1	3.0	3.0	3.5
						25.4		8.0		32.7		77.3		6.6			1.5			2.9		
				Middle	9.0	25.3	25.3	8.0	8.0	33.3	33.3	73.3	72.5	6.5	6.5		2.0	2.0		3.4	3.3	
						25.3		8.0		33.4		71.6		6.5			2.0			3.2		
				Bottom	17.1	25.2	25.2	8.0	8.0	33.4	33.4	69.6	69.2	6.5	6.5	6.5	2.9	2.9		4.1	4.2	
						25.2		8.0		33.5		68.7		6.5			2.9			4.3		
C2	Sunny	Calm	17:42	Surface	1.0	25.4	25.4	7.9	7.9	32.5	32.4	65.2	64.9	6.6	6.6	6.6	3.1	3.1	3.1	3.0	3.5	2.8
						25.4		7.9		32.4		64.6		6.6			3.1			4.0		
				Middle	16.0	25.3	25.3	7.9	7.9	32.6	32.6	63.6	63.5	6.6	6.6		3.1	3.1		2.4	2.7	
						25.3		7.9		32.6		63.4		6.6			3.1			3.0		
				Bottom	31.1	25.3	25.3	8.0	8.0	32.8	32.8	62.9	62.9	6.5	6.5	6.5	3.1	3.1		1.7	2.2	
						25.3		8.0		32.8		62.9		6.5			3.2			2.6		
G1	Sunny	Calm	18:13	Surface	1.1	25.3	25.3	7.9	7.9	32.7	32.7	69.9	69.8	6.8	6.8	6.8	1.5	1.5	1.7	3.4	3.6	3.0
						25.3		7.9		32.8		69.6		6.8			1.5			3.8		
				Middle	4.1	25.3	25.3	8.0	8.0	33.5	33.5	68.9	68.9	6.7	6.7		1.0	1.0		3.2	3.0	
						25.3		8.0		33.6		68.8		6.8			1.0			2.8		
				Bottom	7.0	25.3	25.3	8.0	8.0	33.7	33.7	68.3	68.1	6.7	6.7	6.7	2.3	2.5		2.8	2.4	
						25.3		8.0		33.7		67.9		6.7			2.8			1.9		
G2	Sunny	Calm	17:59	Surface	1.0	25.4	25.4	7.8	7.8	33.3	33.3	71.6	71.4	6.7	6.7	6.7	0.9	0.9	1.0	3.4	3.1	4.1
						25.4		7.8		33.3		71.2		6.7			0.9			2.8		
				Middle	5.0	25.3	25.3	7.9	7.9	33.6	33.6	71.4	71.4	6.6	6.6		0.8	0.8		4.7	4.5	
						25.3		7.9		33.6		71.4		6.6			0.9			4.3		
				Bottom	9.0	25.2	25.2	7.9	7.9	33.7	33.7	68.4	68.3	6.6	6.6	6.6	1.1	1.1		4.5	4.8	
						25.2		7.9		33.7		68.2		6.6			1.1			5.1		
G3	Sunny	Calm	18:18	Surface	1.1	25.3	25.3	7.9	7.9	33.2	33.2	70.7	70.4	6.6	6.6	6.6	1.3	1.3	1.3	3.0	2.8	3.6
						25.3		7.9		33.2		70.1		6.6			1.2			2.6		
				Middle	4.0	25.2	25.2	7.9	7.9	33.5	33.5	68.7	68.6	6.6	6.6		1.4	1.4		2.8	3.1	
						25.2		7.9		33.6		68.4		6.6			1.5			3.4		
				Bottom	7.0	25.3	25.3	8.0	8.0	33.7	33.7	68.2	68.8	6.5	6.5	6.5	1.3	1.2		4.7	4.8	
						25.3		8.0		33.7		69.3		6.5			1.1			4.8		
G4	Sunny	Calm	18:30	Surface	1.1	25.3	25.3	7.9	7.9	33.2	33.2	69.6	69.6	6.7	6.7	6.7	1.2	1.2	1.3	3.7	4.0	3.5
						25.3		7.9		33.2		69.5		6.7			1.2			4.3		
				Middle	4.1	25.2	25.2	8.0	8.0	33.6	33.6	68.1	67.9	6.6	6.6		1.6	1.6		3.1	3.6	
						25.2		8.0		33.6		67.7		6.7			1.6			4.0		
				Bottom	7.1	25.3	25.3	8.0	8.0	33.8	33.8	68.2	68.4	6.4	6.4	6.4	1.2	1.1		3.3	3.1	
						25.3		8.0		33.8		68.5		6.4			1.1			2.8		
M1	Sunny	Calm	18:07	Surface	1.0	25.5	25.5	7.9	7.9	32.4	32.6	72.0	71.6	6.5	6.5	6.5	1.3	1.3	1.3	4.8	5.1	4.8
						25.4		7.9		32.8		71.2		6.5			1.3			5.4		
				Middle	3.0	25.3	25.3	7.9	7.9	33.4	33.4	69.2	68.9	6.5	6.5		1.0	1.0		5.3	5.1	
						25.3		7.9		33.5		68.6		6.5			1.0			4.9		
				Bottom	5.1	25.3	25.3	8.0	8.0	33.6	33.6	66.0	65.4	6.4	6.4	6.4	1.7	1.7		4.5	4.3	
						25.3		8.0		33.6		64.8		6.4			1.8			4.0		
M2	Sunny	Calm	17:53	Surface	1.0	25.3	25.3	7.9	7.9	33.4	33.4	73.6	73.3	6.6	6.6	6.6	0.8	0.8	1.3	4.9	5.1	4.8
						25.3		7.9		33.4		73.0		6.6			0.8			5.2		
				Middle	6.0	25.2	25.2	8.0	8.0	33.7	33.7	69.5	69.4	6.6	6.6		1.5	1.5		5.1	5.0	
						25.2		8.0		33.7		69.3		6.6			1.5			4.8		
				Bottom	11.0	25.1	25.1	8.0	8.0	33.8	33.8	64.9	64.8	6.6	6.6	6.6	1.7	1.7		4.6	4.3	
						25.1		8.0		33.8		64.7		6.6			1.8			4.0		
M3	Sunny	Calm	18:25	Surface	1.1	25.3	25.3	8.0	8.0	33.2	33.2	69.9	69.8	6.5	6.5	6.5	1.2	1.2	1.3	4.0	4.4	3.9
						25.3		8.0		33.2		69.7		6.5			1.2			4.8		
				Middle	4.1	25.2	25.2	8.0	8.0	33.6	33.6	68.3	68.3	6.4	6.4		1.5	1.6		3.9	3.5	
						25.2		8.0		33.6		68.2		6.4			1.6			3.0		
				Bottom	7.0	25.3	25.3	8.0	8.0	33.8	33.8	69.3	69.0	6.4	6.4	6.4	1.1	1.2		3.8	3.9	
						25.3		8.0		33.8		68.7		6.3			1.2			4.0		
M4	Sunny	Calm	17:47	Surface	1.0	25.4	25.4	7.9	7.9	32.8	32.8	68.8	68.6	6.6	6.6	6.5	1.1	1.1	1.2	4.6	5.0	4.7
						25.4		7.9		32.8		68.3		6.6			1.2			5.4		
				Middle	5.0	25.4	25.4	8.0	8.0	33.0	33.1	71.9	72.0	6.5	6.5		1.5	1.5		5.1	4.6	
						25.4		8.0		33.1		72.0		6.5			1.4			4.0		
				Bottom	9.0	25.2	25.3	8.0	8.0	33.7	33.7	70.3	70.4	6.5	6.5	6.5	1.1	1.1		4.8	4.4	
						25.3		8.0		33.7		70.4		6.5			1.0			4.0		
M5	Sunny	Calm	18:45	Surface	1.1	25.3	25.3	7.9	7.9	33.3	33.3	69.1	69.0	6.6	6.6	6.5	1.6	1.5	1.7	3.2	3.5	3.2
						25.3		7.9		33.3		68.9		6.6			1.5			3.8		
				Middle	6.1	25.3	25.3	7.9	7.9	33.3	33.3	67.9	67.9	6.5	6.5		1.8	1.8		4.2	4.0	
						25.3		7.9		33.3		67.8		6.5			1.8			3.8		
				Bottom	11.0	25.3	25.3	8.0	8.0	33.4	33.4	67.5	67.5	6.4	6.4	6.4	1.7	1.7		2.5	2.1	
						25.3		8.0		33.4		67.4		6.4			1.7			1.7		
M6	Sunny	Calm	18:36	Surface	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-	0.9	-	-	3.2
						-		-		-		-		-			-			-		
				Middle	2.0	25.2	25.2	8.0	8.0	33.5	33.5	69.6	69.4	6.4	6.6		8.0	8.0		2.8	3.2	
						25.2		8.0		33.5		69.2		6.7			8.0			3.6		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 26 May 2021 (Mid-Flood Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 3.4 NTU	***C1: 3.7 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.5 mg/L	***C1: 3.8 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 3.5 mg/L	***C1: 3.8 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 5.0 mg/L	***C1: 5.5 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 28 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Moderate	13:21	Surface	1.2	24.7	24.7	8.2	8.2	32.2	32.2	81.6	81.6	5.5	5.5	5.0	0.5	0.6	1.4	4.3	4.1	3.9
						24.7		8.2		32.2		81.5		5.5			0.6			3.9		
				Middle	9.0	23.8	23.8	8.1	8.1	33.4	33.4	65.9	66.2	4.5	4.5		1.7	1.7		4.4	4.0	
						23.8		8.1		33.4		66.4		4.6			1.7			3.6		
				Bottom	17.1	23.6	23.6	8.1	8.1	33.8	33.8	64.8	64.8	4.4	4.4	4.4	1.8	1.8		3.1	3.5	
						23.5		8.1		33.8		64.7		4.4			1.8			3.8		
C2	Sunny	Moderate	12:32	Surface	1.1	24.7	24.7	7.9	7.9	31.3	31.3	67.2	67.2	4.6	4.6	4.5	2.1	2.1	2.0	4.0	4.2	3.8
						24.7		7.9		31.3		67.2		4.6			2.1			4.3		
				Middle	16.0	24.0	24.0	8.0	8.0	32.8	32.8	63.4	63.5	4.3	4.3		2.5	2.5		3.6	3.8	
						24.1		8.0		32.8		63.5		4.3			2.5			4.0		
				Bottom	31.1	23.5	23.5	8.0	8.0	34.1	34.1	65.6	65.7	4.5	4.5	4.5	1.5	1.5		3.2	3.5	
						23.5		8.0		34.1		65.7		4.5			1.5			3.7		
G1	Sunny	Moderate	12:55	Surface	1.2	24.8	24.8	8.2	8.2	31.3	31.4	78.2	77.7	5.3	5.3	5.3	2.4	2.7	1.8	4.0	4.3	4.6
						24.8		8.2		31.5		77.2		5.3			3.0			4.5		
				Middle	4.1	24.5	24.5	8.2	8.2	32.6	32.5	76.9	76.9	5.2	5.2		0.8	1.0		4.1	4.5	
						24.5		8.2		32.5		76.8		5.2			1.3			4.8		
				Bottom	7.1	24.3	24.2	8.2	8.2	32.9	33.1	69.1	68.6	4.7	4.7	4.7	1.5	1.7		5.2	5.1	
						24.1		8.2		33.2		68.0		4.6			1.9			5.0		
G2	Sunny	Moderate	12:47	Surface	1.3	24.5	24.5	8.1	8.1	32.5	32.5	73.5	73.5	5.0	5.0	5.0	2.7	2.7	3.0	5.4	5.1	4.7
						24.5		8.1		32.5		73.4		5.0			2.8			4.8		
				Middle	5.1	24.3	24.3	8.1	8.1	33.0	32.9	72.7	72.8	5.0	5.0		1.1	1.4		5.0	4.7	
						24.3		8.1		32.8		72.9		5.0			1.8			4.4		
				Bottom	9.0	23.6	23.6	8.1	8.1	34.1	34.1	61.5	61.2	4.2	4.2	4.2	4.9	4.8		4.1	4.2	
						23.6		8.1		34.1		60.8		4.2			4.7			4.2		
G3	Sunny	Moderate	12:59	Surface	1.1	24.9	24.9	8.2	8.2	30.8	30.8	79.0	79.3	5.4	5.4	5.4	0.7	0.6	1.2	4.8	5.1	4.4
						24.9		8.2		30.8		79.5		5.4			0.6			5.3		
				Middle	4.1	24.6	24.6	8.2	8.2	32.5	32.5	78.3	78.2	5.3	5.3		0.6	0.6		4.1	4.4	
						24.6		8.2		32.5		78.1		5.3			0.6			4.7		
				Bottom	7.0	23.7	23.7	8.1	8.1	33.8	33.8	62.7	62.4	4.3	4.3	4.3	2.2	2.3		4.1	3.7	
						23.7		8.1		33.8		62.0		4.2			2.4			3.2		
G4	Sunny	Moderate	13:05	Surface	1.0	24.9	24.9	8.1	8.1	31.0	31.1	74.7	75.3	5.1	5.1	5.0	0.7	0.7	1.3	5.2	5.1	4.7
						24.9		8.2		31.2		75.8		5.2			0.7			4.9		
				Middle	4.1	24.3	24.4	8.2	8.2	32.8	32.6	70.5	70.7	4.8	4.8		1.1	1.0		5.1	4.9	
						24.5		8.2		32.4		70.9		4.8			0.9			4.6		
				Bottom	7.1	23.8	23.7	8.1	8.1	33.7	33.9	61.2	61.4	4.2	4.2	4.2	1.9	2.1		4.4	4.1	
						23.6		8.1		34.0		61.6		4.2			2.3			3.8		
M1	Sunny	Moderate	12:51	Surface	1.0	24.7	24.7	8.1	8.1	31.5	31.5	74.0	73.8	5.0	5.0	4.9	3.1	3.1	3.9	4.8	5.0	4.4
						24.7		8.1		31.5		73.6		5.0			3.1			5.2		
				Middle	3.1	24.4	24.5	8.1	8.1	32.5	32.2	70.1	71.2	4.8	4.9		4.3	4.1		4.0	4.3	
						24.6		8.1		31.8		72.2		4.9			3.9			4.6		
				Bottom	5.0	24.3	24.2	8.1	8.1	32.8	32.9	68.5	67.9	4.7	4.6	4.6	4.2	4.4		4.0	3.8	
						24.2		8.1		33.0		67.3		4.6			4.5			3.5		
M2	Sunny	Moderate	12:42	Surface	1.1	24.7	24.7	8.1	8.1	32.0	32.0	78.9	78.5	5.4	5.3	5.0	0.7	0.7	1.1	5.0	4.6	4.5
						24.7		8.1		32.0		78.1		5.3			0.7			4.2		
				Middle	6.0	24.1	24.2	8.1	8.1	33.1	33.1	69.8	69.9	4.8	4.8		1.1	1.0		4.3	4.6	
						24.2		8.1		33.1		70.0		4.8			1.0			4.8		
				Bottom	11.0	23.3	23.3	8.1	8.1	34.6	34.6	63.3	62.9	4.3	4.3	4.3	1.9	1.5		4.1	4.4	
						23.3		8.1		34.6		62.4		4.3			1.1			4.6		
M3	Sunny	Moderate	13:02	Surface	1.1	24.9	24.9	8.2	8.2	30.9	30.8	78.1	78.2	5.3	5.3	5.3	0.7	0.7	1.1	3.0	2.9	4.0
						24.9		8.2		30.8		78.2		5.3			0.7			2.8		
				Middle	4.0	24.6	24.6	8.2	8.2	32.4	32.2	77.2	77.2	5.2	5.2		0.6	0.6		3.5	3.3	
						24.7		8.2		31.9		77.1		5.3			0.6			3.1		
				Bottom	7.0	23.8	23.8	8.1	8.1	33.6	33.7	64.5	62.7	4.4	4.3	4.3	1.9	2.0		5.9	5.7	
						23.7		8.1		33.7		60.9		4.2			2.1			5.4		
M4	Sunny	Moderate	12:38	Surface	1.0	24.6	24.6	8.1	8.1	32.4	32.4	78.9	78.8	5.4	5.4	5.3	0.6	0.6	0.7	3.1	3.3	3.5
						24.6		8.1		32.4		78.7		5.3			0.6			3.4		
				Middle	5.0	24.4	24.4	8.1	8.1	32.9	32.8	76.3	76.6	5.2	5.2		0.6	0.5		3.0	3.3	
						24.4		8.1		32.8		76.9		5.2			0.5			3.5		
				Bottom	9.0	24.1	24.1	8.1	8.1	33.2	33.2	70.2	70.2	4.8	4.8	4.8	0.9	0.9		3.4	4.0	
						24.1		8.1		33.2		70.1		4.8			0.9			4.5		
M5	Sunny	Moderate	13:16	Surface	1.1	24.7	24.7	8.2	8.2	31.9	31.9	81.1	81.1	5.5	5.5	5.2	0.7	0.7	1.4	4.3	3.8	3.4
						24.7		8.2		31.9		81.0		5.5			0.7			3.2		
				Middle	6.0	24.2	24.2	8.1	8.1	32.7	32.7	71.7	71.9	4.9	4.9		1.4	1.4		3.3	3.2	
						24.2		8.1		32.7		72.1		4.9			1.4			3.0		
				Bottom	11.1	23.7	23.7	8.1	8.1	33.6	33.5	65.6	65.5	4.5	4.5	4.5	2.3	2.2		3.2	3.2	
						23.7		8.1		33.5		65.4		4.5			2.1			3.1		
M6	Sunny	Moderate	13:12	Surface	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	0.6	-	-	3.6
						-		-		-		-		-			-			-		
				Middle	2.3	24.7	24.6	8.2	8.2	32.1	32.2	77.0	76.9	5.2	5.2		0.6	0.6		3.0	3.6	
						24.6		8.2		32.3		76.8		5.2			0.6			4.1		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 28 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 1.8 NTU	***C2: 1.9 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.0 mg/L	***C2: 5.4 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.0 mg/L	***C2: 5.4 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 4.1 mg/L	***C2: 4.5 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 31 May 2021

(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	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	9:54	Surface	0.8	22.3	22.3	8.1	8.1	34.9	34.9	95.7	95.3	6.9	6.9	6.8	1.2	1.2	1.9	4.2	4.6	4.9
						22.3		8.1		34.9		94.9		6.9			1.2			5.0		
				Middle	8.3	22.3	22.3	8.1	8.1	35.0	35.0	94.0	94.1	6.8	6.8		2.0	2.0		5.2	4.9	
						22.3		8.1		35.0		94.2		6.8			2.1			4.6		
				Bottom	15.8	22.2	22.2	8.1	8.1	35.0	35.0	93.7	93.7	6.8	6.8	6.8	2.4	2.4		5.4	5.1	
						22.2		8.1		35.0		93.7		6.8			2.4			4.8		
C2	Sunny	Calm	8:26	Surface	0.9	22.3	22.3	8.0	8.0	34.9	34.9	92.6	92.6	6.7	6.7	6.7	1.4	1.4	2.1	5.3	4.9	4.4
						22.3		8.0		34.9		92.6		6.7			1.4			4.5		
				Middle	15.9	22.3	22.3	8.1	8.1	34.9	34.9	91.3	91.3	6.6	6.6		2.4	2.4		5.1	4.6	
						22.3		8.1		34.9		91.2		6.6			2.4			4.1		
				Bottom	30.9	22.1	22.1	8.1	8.1	35.2	35.2	91.2	91.2	6.6	6.6	6.6	2.6	2.6		4.0	3.8	
						22.1		8.1		35.2		91.2		6.6			2.6			3.5		
G1	Sunny	Calm	9:02	Surface	0.8	22.3	22.3	8.1	8.1	34.9	34.9	92.0	91.9	6.6	6.6	6.6	1.3	1.3	1.7	4.0	4.3	3.9
						22.3		8.1		34.9		91.8		6.6			1.3			4.5		
				Middle	3.6	22.3	22.3	8.1	8.1	34.9	34.9	91.0	91.1	6.6	6.6		1.9	1.9		3.7	4.0	
						22.3		8.1		34.9		91.1		6.6			1.9			4.2		
				Bottom	6.3	22.2	22.2	8.1	8.1	35.1	35.1	90.6	90.6	6.5	6.5	6.5	2.0	2.0		3.8	3.6	
						22.2		8.1		35.1		90.6		6.5			2.0			3.4		
G2	Sunny	Calm	8:45	Surface	0.8	22.3	22.3	8.1	8.1	34.9	34.9	94.3	94.3	6.8	6.8	6.7	1.4	1.4	2.1	4.0	4.5	4.8
						22.3		8.1		34.9		94.2		6.8			1.4			5.0		
				Middle	4.9	22.3	22.3	8.1	8.1	34.9	34.9	92.3	92.3	6.7	6.7		2.3	2.3		4.5	4.9	
						22.3		8.1		35.0		92.3		6.7			2.3			5.3		
				Bottom	8.9	22.2	22.1	8.1	8.1	35.1	35.1	92.3	92.3	6.7	6.7	6.7	2.6	2.7		5.4	5.1	
						22.1		8.1		35.1		92.3		6.7			2.8			4.8		
G3	Sunny	Calm	9:08	Surface	0.8	22.3	22.3	8.1	8.1	34.9	34.9	92.0	91.9	6.7	6.6	6.6	1.3	1.3	1.4	3.7	3.9	4.1
						22.3		8.1		34.9		91.8		6.6			1.3			4.0		
				Middle	3.5	22.3	22.3	8.1	8.1	34.9	34.9	90.7	90.8	6.6	6.6		1.4	1.4		4.2	4.0	
						22.3		8.1		34.9		90.8		6.6			1.4			3.8		
				Bottom	6.4	22.2	22.2	8.1	8.1	35.1	35.1	90.6	90.6	6.5	6.5	6.5	1.5	1.5		4.1	4.5	
						22.2		8.1		35.1		90.5		6.5			1.6			4.8		
G4	Sunny	Calm	9:24	Surface	0.9	22.3	22.3	8.1	8.1	34.9	34.9	93.4	93.3	6.7	6.7	6.7	1.2	1.2	1.8	4.9	4.5	4.3
						22.3		8.1		34.9		93.1		6.7			1.3			4.0		
				Middle	3.5	22.3	22.3	8.1	8.1	34.9	34.9	91.6	91.7	6.6	6.6		2.0	2.0		4.8	4.5	
						22.3		8.1		34.9		91.7		6.6			2.0			4.2		
				Bottom	6.3	22.3	22.3	8.1	8.1	34.9	34.9	91.3	91.3	6.6	6.6	6.6	2.1	2.1		4.0	3.8	
						22.3		8.1		34.9		91.2		6.6			2.1			3.6		
M1	Sunny	Calm	8:52	Surface	0.8	22.3	22.3	8.1	8.1	34.9	34.9	92.9	92.8	6.7	6.7	6.6	1.3	1.3	1.8	4.7	5.0	4.3
						22.3		8.1		34.9		92.6		6.7			1.3			5.2		
				Middle	2.8	22.3	22.3	8.1	8.1	34.9	34.9	90.9	91.0	6.6	6.6		1.9	1.9		4.5	4.8	
						22.3		8.1		34.9		91.0		6.6			2.0			5.0		
				Bottom	4.9	22.1	22.1	8.1	8.1	35.2	35.2	90.6	90.6	6.5	6.5	6.5	2.0	2.0		3.2	3.1	
						22.1		8.1		35.2		90.5		6.5			2.0			2.9		
M2	Sunny	Calm	8:37	Surface	0.8	22.3	22.3	8.0	8.0	34.9	34.9	95.7	95.6	6.9	6.9	6.8	1.4	1.4	1.8	2.3	2.6	2.9
						22.3		8.0		34.9		95.5		6.9			1.4			2.9		
				Middle	5.0	22.3	22.3	8.1	8.1	35.0	35.0	92.9	93.0	6.7	6.7		2.0	2.0		3.2	2.9	
						22.3		8.1		35.0		93.0		6.7			2.0			2.5		
				Bottom	9.3	22.2	22.2	8.1	8.1	35.1	35.1	92.5	92.5	6.7	6.7	6.7	2.2	2.2		3.8	3.3	
						22.2		8.1		35.1		92.4		6.7			2.2			2.8		
M3	Sunny	Calm	9:16	Surface	0.8	22.3	22.3	8.1	8.1	34.9	34.9	91.8	91.7	6.6	6.6	6.6	1.3	1.3	1.8	3.9	3.8	4.3
						22.3		8.1		34.9		91.6		6.6			1.3			3.7		
				Middle	3.5	22.3	22.3	8.1	8.1	34.9	34.9	91.1	91.1	6.6	6.6		1.9	1.9		4.6	4.4	
						22.3		8.1		34.9		91.1		6.6			1.9			4.2		
				Bottom	6.4	22.3	22.3	8.1	8.1	34.9	34.9	89.9	89.8	6.5	6.5	6.5	2.2	2.1		5.1	4.7	
						22.3		8.1		34.9		89.6		6.5			2.1			4.3		
M4	Sunny	Calm	8:32	Surface	0.9	22.3	22.3	8.0	8.0	34.9	34.9	92.9	92.9	6.7	6.7	6.7	1.4	1.4	2.0	3.4	3.7	4.5
						22.3		8.0		34.9		92.8		6.7			1.3			4.0		
				Middle	4.9	22.3	22.3	8.1	8.1	34.9	34.9	92.0	92.0	6.7	6.7		2.2	2.1		4.2	4.3	
						22.3		8.1		34.9		92.0		6.7			2.1			4.4		
				Bottom	8.8	22.2	22.2	8.1	8.1	35.1	35.1	91.7	91.7	6.6	6.6	6.6	2.4	2.5		5.0	5.6	
						22.2		8.1		35.1		91.7		6.6			2.5			6.1		
M5	Sunny	Calm	9:42	Surface	0.8	22.3	22.3	8.1	8.1	34.9	34.9	93.2	93.1	6.7	6.7	6.7	1.5	1.5	2.1	4.4	4.2	3.9
						22.3		8.1		34.9		93.0		6.7			1.4			3.9		
				Middle	5.3	22.3	22.3	8.1	8.1	35.0	35.0	92.2	92.3	6.7	6.7		2.3	2.3		4.5	4.2	
						22.3		8.1		35.0		92.3		6.7			2.3			3.9		
				Bottom	9.8	22.2	22.2	8.1	8.1	35.0	35.0	91.8	91.8	6.6	6.6	6.6	2.5	2.5		3.0	3.3	
						22.2		8.1		35.0		91.8		6.6			2.5			3.6		
M6	Sunny	Calm	9:30	Surface	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	1.3	-	-	4.9
						-		-		-		-		-			-			-		
				Middle	1.8	22.3	22.3	8.1	8.1	34.9	34.9	94.4	94.2	6.8	6.8		1.3	1.3		5.2	4.9	
						22.3		8.1		34.9		93.9		6.8			1.3			4.5		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Action and Limit Levels for Marine Water Quality on 31 May 2021 (Mid-Ebb Tide)

Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C2: 3.1 NTU	***C2: 3.3 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.9 mg/L	***C2: 6.4 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 5.9 mg/L	***C2: 6.4 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C2: 4.5 mg/L	***C2: 4.9 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

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 31 May 2021

(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	17:26	Surface	0.8	23.2	23.1	8.1	8.1	34.9	34.9	96.1	96.0	7.0	6.9	6.9	1.2	1.2	1.7	7.8	7.6	5.4
						23.1		8.1		34.9		95.9		6.9			1.2			7.3		
				Middle	8.9	22.9	23.0	8.1	8.1	35.0	35.0	93.9	94.0	6.8	6.8		1.9	1.9		5.0	4.6	
						23.1		8.1		35.0		94.0		6.8			1.9			4.2		
				Bottom	16.8	23.0	23.0	8.1	8.1	35.0	35.0	93.8	93.8	6.8	6.8	6.8	2.0	2.0		4.3	4.1	
						23.0		8.1		35.0		93.7		6.8			2.0			3.9		
C2	Sunny	Calm	15:44	Surface	0.8	23.1	23.0	8.0	8.0	34.9	34.9	92.5	92.5	6.7	6.7	6.6	1.2	1.2	1.7	4.3	4.8	3.8
						22.9		8.0		34.9		92.5		6.7			1.2			5.2		
				Middle	16.3	22.9	22.9	8.1	8.1	34.9	34.9	91.2	91.2	6.6	6.6		1.7	1.8		3.1	3.3	
						22.9		8.1		34.9		91.2		6.6			1.8			3.5		
				Bottom	31.8	22.9	22.9	8.1	8.1	35.1	35.1	91.2	91.2	6.6	6.6	6.6	2.1	2.1		3.3	3.3	
						22.9		8.1		35.1		91.2		6.6			2.1			3.2		
G1	Sunny	Calm	16:22	Surface	0.8	23.5	23.2	8.1	8.1	34.9	34.9	93.0	92.8	6.7	6.7	6.6	1.2	1.2	1.5	4.1	4.5	4.0
						22.9		8.1		34.9		92.5		6.7			1.2			4.8		
				Middle	3.8	22.9	22.9	8.1	8.1	34.9	34.9	90.9	91.0	6.6	6.6		1.5	1.5		4.5	4.1	
						22.9		8.1		34.9		91.0		6.6			1.5			3.7		
				Bottom	6.9	22.8	22.8	8.1	8.1	35.1	35.1	90.7	90.7	6.6	6.5	6.5	1.9	1.8		3.0	3.4	
						22.8		8.1		35.1		90.7		6.5			1.8			3.8		
G2	Sunny	Calm	16:03	Surface	0.8	23.0	23.0	8.1	8.1	34.9	34.9	94.7	94.6	6.8	6.8	6.7	1.3	1.3	1.6	5.0	5.2	4.5
						22.9		8.1		34.9		94.5		6.8			1.3			5.3		
				Middle	4.8	22.9	22.9	8.1	8.1	34.9	34.9	92.2	92.2	6.7	6.7		1.6	1.6		4.9	4.6	
						22.9		8.1		34.9		92.2		6.7			1.6			4.2		
				Bottom	8.8	22.8	22.9	8.1	8.1	35.1	35.1	92.2	92.2	6.7	6.7	6.7	2.0	1.9		4.0	3.8	
						22.9		8.1		35.1		92.2		6.7			1.9			3.5		
G3	Sunny	Calm	16:29	Surface	0.8	23.6	23.2	8.1	8.1	34.9	34.9	91.7	91.7	6.6	6.6	6.6	1.2	1.2	1.6	4.4	4.8	4.1
						22.9		8.1		34.9		91.6		6.6			1.2			5.2		
				Middle	3.8	22.9	22.9	8.1	8.1	34.9	34.9	90.8	90.9	6.6	6.6		1.8	1.7		3.4	3.7	
						22.9		8.1		34.9		90.9		6.6			1.7			3.9		
				Bottom	6.9	22.7	22.8	8.1	8.1	35.1	35.1	90.4	90.4	6.5	6.5	6.5	2.0	2.0		3.7	3.9	
						22.8		8.1		35.1		90.3		6.5			2.0			4.0		
G4	Sunny	Calm	16:43	Surface	0.8	24.1	23.5	8.1	8.1	34.9	34.9	92.7	92.6	6.7	6.7	6.6	1.6	1.6	1.9	4.2	4.6	3.5
						23.0		8.1		34.9		92.4		6.7			1.5			5.0		
				Middle	3.9	23.0	23.0	8.1	8.1	34.9	34.9	91.8	91.8	6.6	6.6		2.0	2.0		3.6	3.2	
						23.0		8.1		34.9		91.8		6.6			2.0			2.8		
				Bottom	6.9	22.9	22.9	8.1	8.1	34.9	34.9	91.2	91.2	6.6	6.6	6.6	2.2	2.2		2.4	2.8	
						22.9		8.1		35.0		91.1		6.6			2.2			3.2		
M1	Sunny	Calm	16:08	Surface	0.9	23.2	23.2	8.1	8.1	34.9	34.9	92.4	92.4	6.7	6.7	6.6	1.1	1.1	1.8	2.8	3.2	3.9
						23.1		8.1		34.9		92.3		6.7			1.2			3.6		
				Middle	2.8	22.9	23.0	8.1	8.1	34.9	34.9	91.2	91.3	6.6	6.6		1.9	1.9		4.1	4.1	
						23.0		8.1		34.9		91.4		6.6			1.9			4.1		
				Bottom	4.8	22.8	22.8	8.1	8.1	35.2	35.1	90.5	90.5	6.5	6.5	6.5	2.4	2.4		4.8	4.4	
						22.9		8.1		35.1		90.4		6.5			2.3			4.0		
M2	Sunny	Calm	15:56	Surface	0.8	23.4	23.2	8.0	8.0	34.9	34.9	94.7	94.1	6.8	6.8	6.8	1.2	1.3	1.6	5.6	5.5	4.0
						22.9		8.1		34.9		93.5		6.8			1.3			5.3		
				Middle	5.4	22.9	22.9	8.1	8.1	34.9	34.9	93.1	93.1	6.7	6.7		1.7	1.7		3.2	3.3	
						22.9		8.1		34.9		93.1		6.7			1.7			3.4		
				Bottom	9.8	22.8	22.8	8.1	8.1	35.1	35.1	92.4	92.4	6.7	6.7	6.7	1.9	1.9		3.5	3.4	
						22.8		8.1		35.1		92.3		6.7			1.9			3.2		
M3	Sunny	Calm	16:37	Surface	0.8	23.6	23.3	8.1	8.1	34.9	34.9	92.0	92.0	6.6	6.6	6.6	1.2	1.2	1.5	4.2	4.6	4.1
						23.0		8.1		34.9		91.9		6.6			1.2			5.0		
				Middle	3.9	22.9	22.9	8.1	8.1	34.9	34.9	90.9	91.0	6.6	6.6		1.6	1.6		4.8	4.6	
						22.9		8.1		34.9		91.0		6.6			1.6			4.3		
				Bottom	6.8	22.7	22.7	8.1	8.1	35.1	35.0	90.2	90.2	6.5	6.5	6.5	1.8	1.8		2.8	3.0	
						22.8		8.1		34.9		90.1		6.5			1.9			3.2		
M4	Sunny	Calm	15:50	Surface	0.8	23.8	23.4	8.0	8.0	34.9	34.9	94.6	93.9	6.8	6.8	6.7	1.2	1.2	1.7	4.5	4.4	5.1
						23.0		8.0		34.9		93.1		6.7			1.2			4.2		
				Middle	4.8	22.9	22.9	8.1	8.1	34.9	34.9	91.9	91.9	6.7	6.7		1.8	1.8		5.1	5.0	
						22.9		8.1		34.9		91.9		6.7			1.8			4.8		
				Bottom	8.9	22.8	22.9	8.1	8.1	35.1	35.1	91.8	91.8	6.6	6.6	6.6	2.0	2.1		6.4	5.9	
						22.9		8.1		35.1		91.7		6.6			2.1			5.4		
M5	Sunny	Calm	17:16	Surface	0.9	23.0	23.0	8.1	8.1	34.9	34.9	92.9	92.9	6.7	6.7	6.7	1.3	1.3	1.7	5.6	5.4	4.8
						23.0		8.1		34.9		92.8		6.7			1.3			5.1		
				Middle	5.9	22.9	23.4	8.1	8.1	34.9	34.9	92.4	92.4	6.7	6.7		1.8	1.8		5.2	5.0	
						23.8		8.1		34.9		92.4		6.7			1.8			4.7		
				Bottom	10.8	23.0	22.9	8.1	8.1	35.0	35.0	91.7	91.7	6.6	6.6	6.6	2.0	2.0		3.8	4.2	
						22.9		8.1		35.0		91.6		6.6			2.0			4.6		
M6	Sunny	Calm	16:58	Surface	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	1.2	-	-	4.3
						-		-		-		-		-			-			-		
				Middle	2.0	23.1	23.0	8.1	8.1	34.9	34.9	94.9	94.9	6.9	6.8		8.0	8.0		4.3	4.3	
						23.0		8.1		34.9		94.8		6.8			8.0			4.2		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						-		-		-		-		-			-			-		

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

Action and Limit Levels for Marine Water Quality on 31 May 2021 (Mid-Flood Tide)

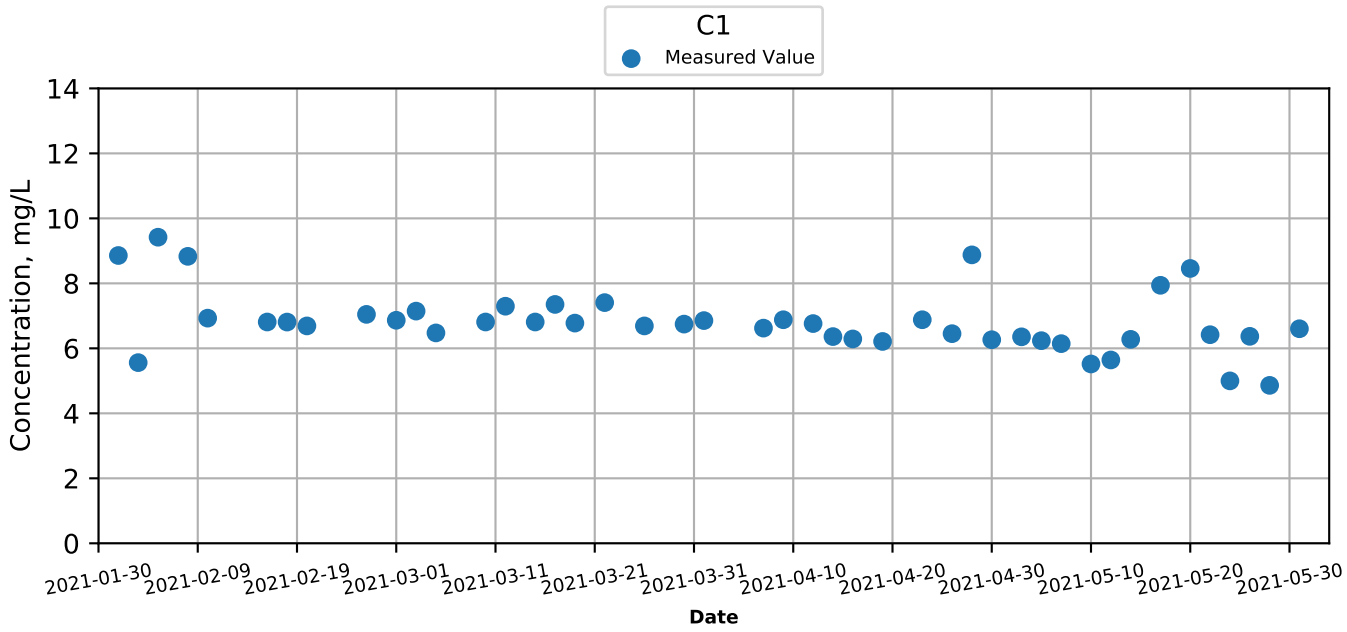
Parameter (unit)	**Depth**	**Action Level**	**Limit Level**
DO in mg/L (See Note 1 and 4)	**Stations G1-G4, M1-M5**		
	Depth Average	***4.9 mg/L***	***4.6 mg/L***
	Bottom	***4.2 mg/L***	***3.6 mg/L***
	Station M6		
	Intake Level	***5.0 mg/L***	***4.7 mg/L***
Turbidity in NTU (See Note 2 and 4)	**Stations G1-G4, M1-M5**		
	Bottom	***19.3 NTU***	***22.2 NTU***
		or 120% of upstream control station's Turbidity at the same tide of the same day	or 130% of upstream control station's Turbidity at the same tide of the same day
		C1: 2.4 NTU	***C1: 2.6 NTU***
	Station M6		
	Intake Level	***19.0 NTU***	***19.4 NTU***
SS in mg/L (See Note 2 and 4)	**Stations G1-G4**		
	Surface	***6.0 mg/L***	***6.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 9.1 mg/L	***C1: 9.8 mg/L***
	Stations M1-M5		
	Surface	***6.2 mg/L***	***7.4 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 9.1 mg/L	***C1: 9.8 mg/L***
	Stations G1-G4, M1-M5		
	Bottom	***6.9 mg/L***	***7.9 mg/L***
		or 120% of upstream control station's SS at the same tide of the same day	or 130% of upstream control station's SS at the same tide of the same day
		C1: 4.9 mg/L	***C1: 5.3 mg/L***
	Station M6		
	Intake Level	***8.3 mg/L***	***8.6 mg/L***

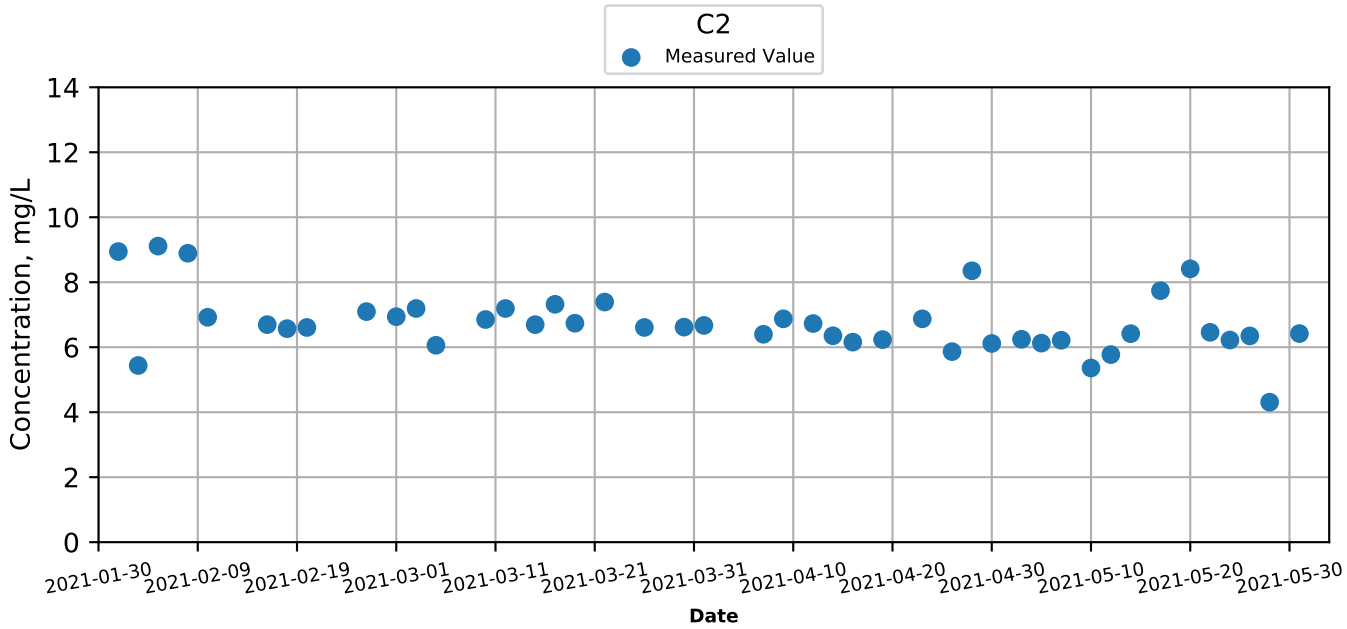
Notes:

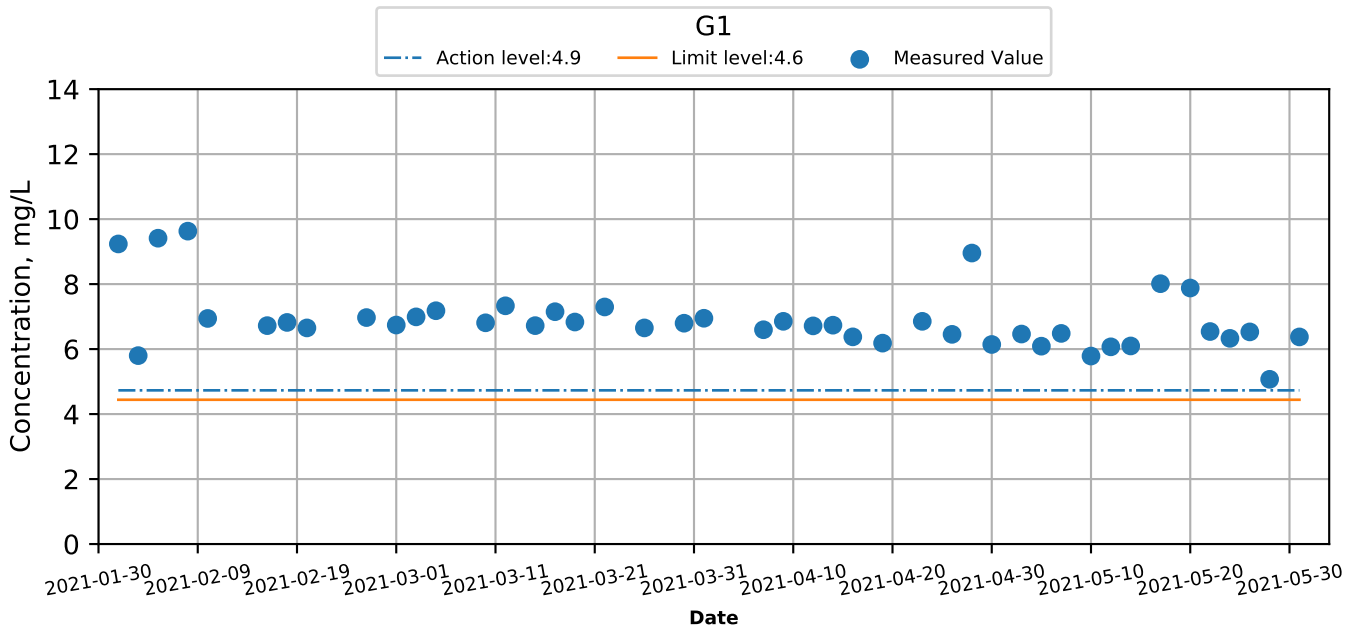
1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and 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.

Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Depth-Averaged) at Monitoring Stations during Mid-Ebb

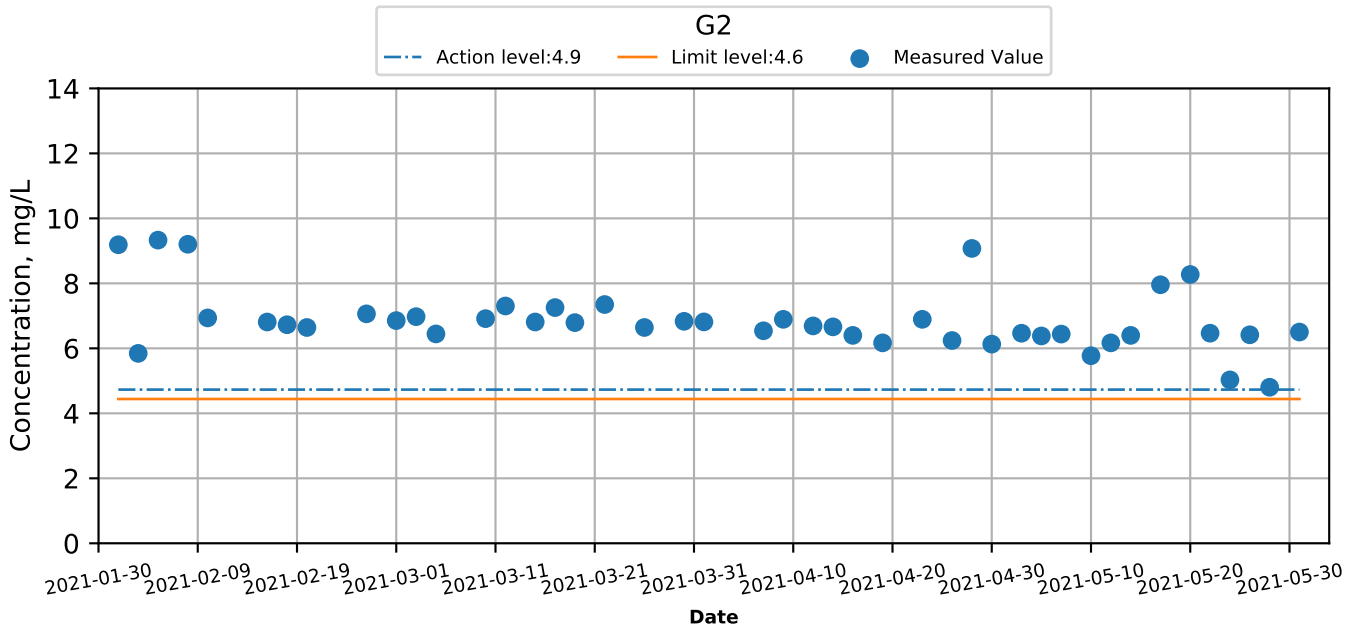


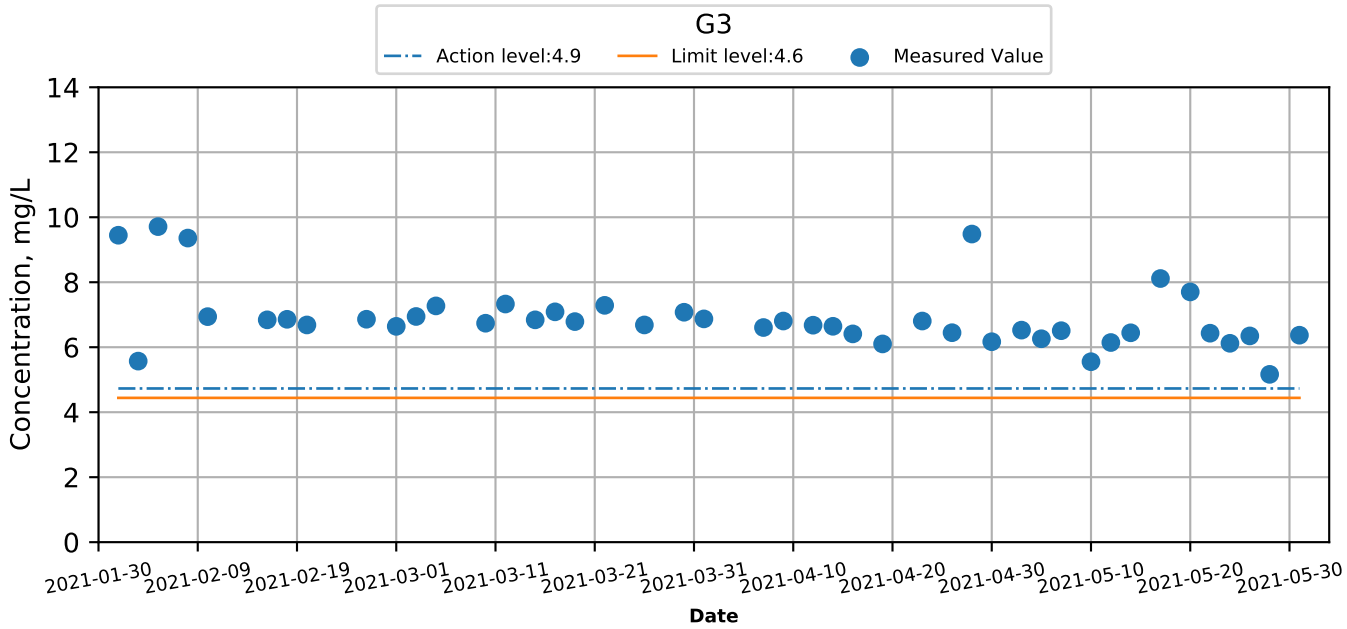


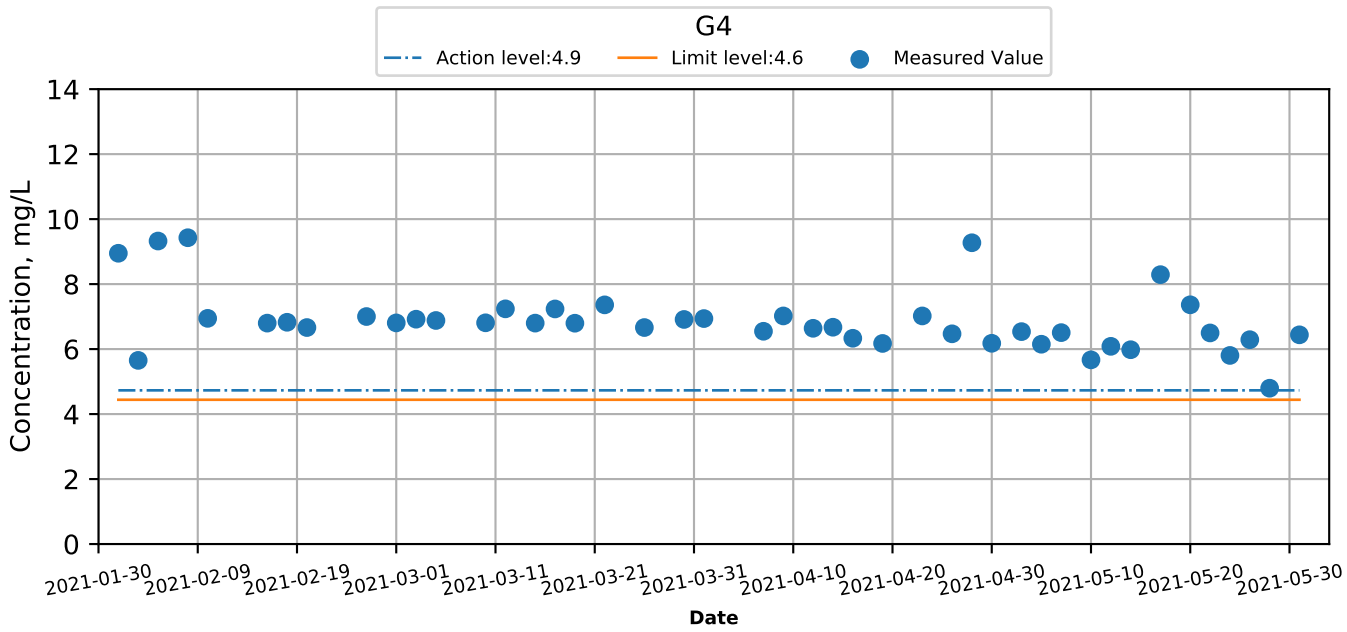


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Depth-Averaged) at Monitoring Stations during Mid-Ebb

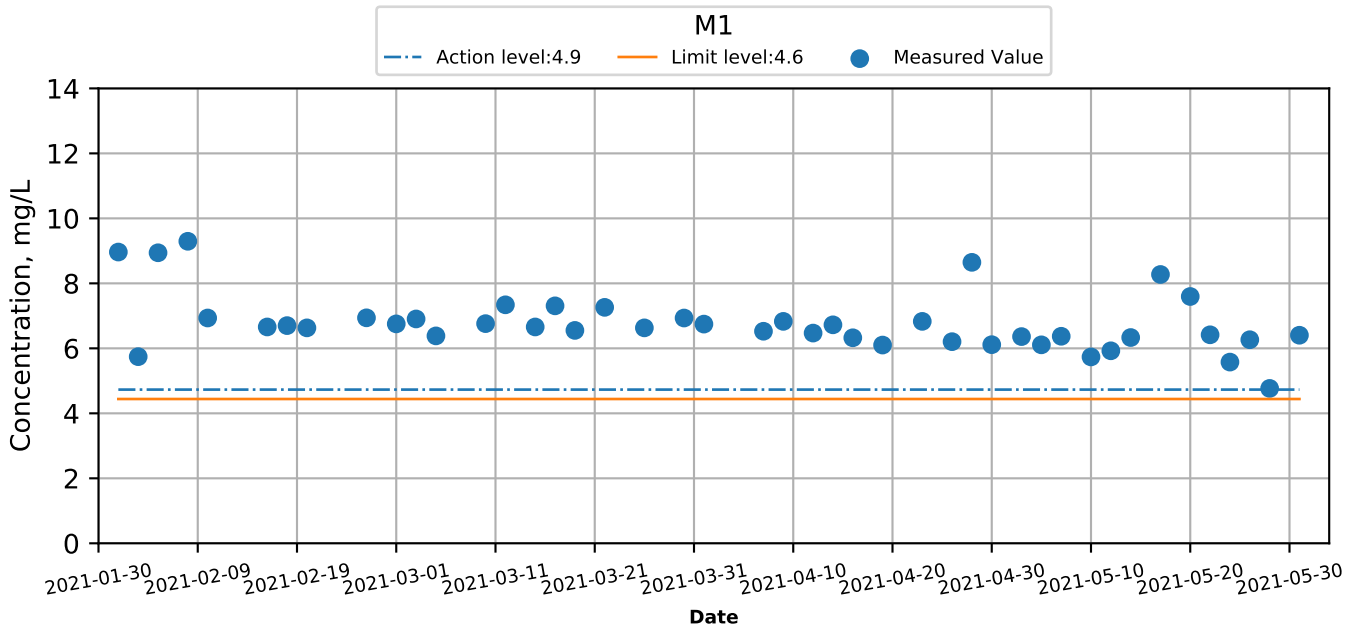


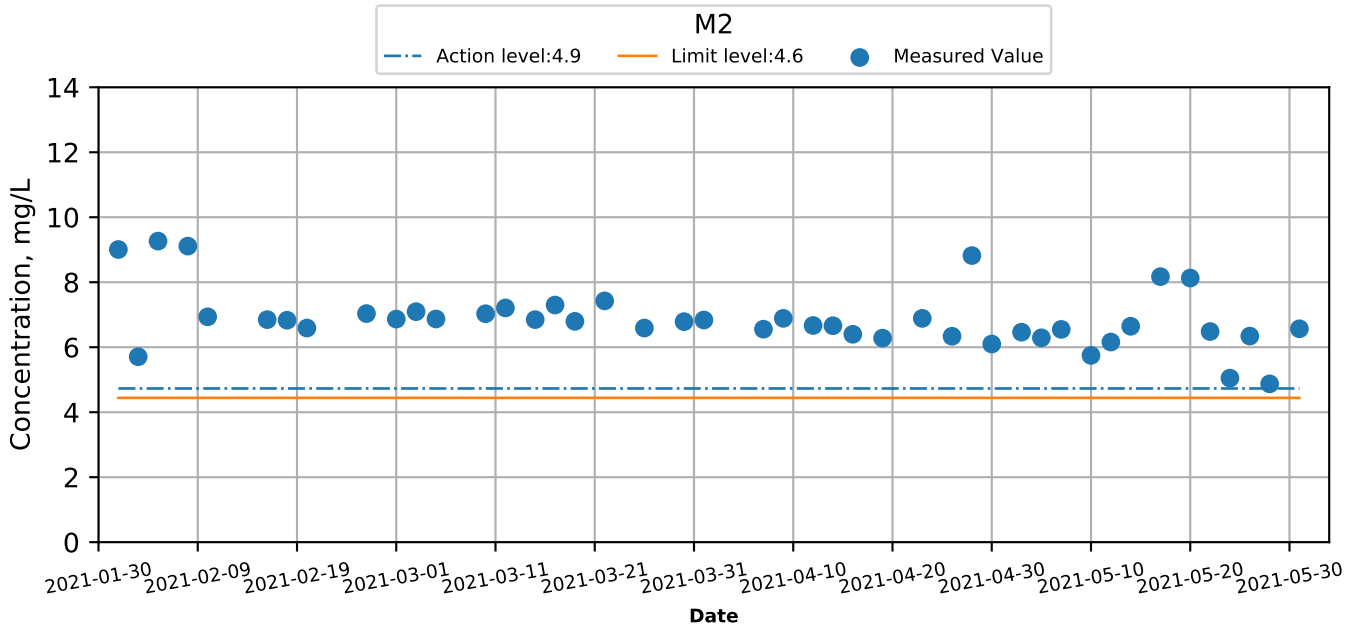


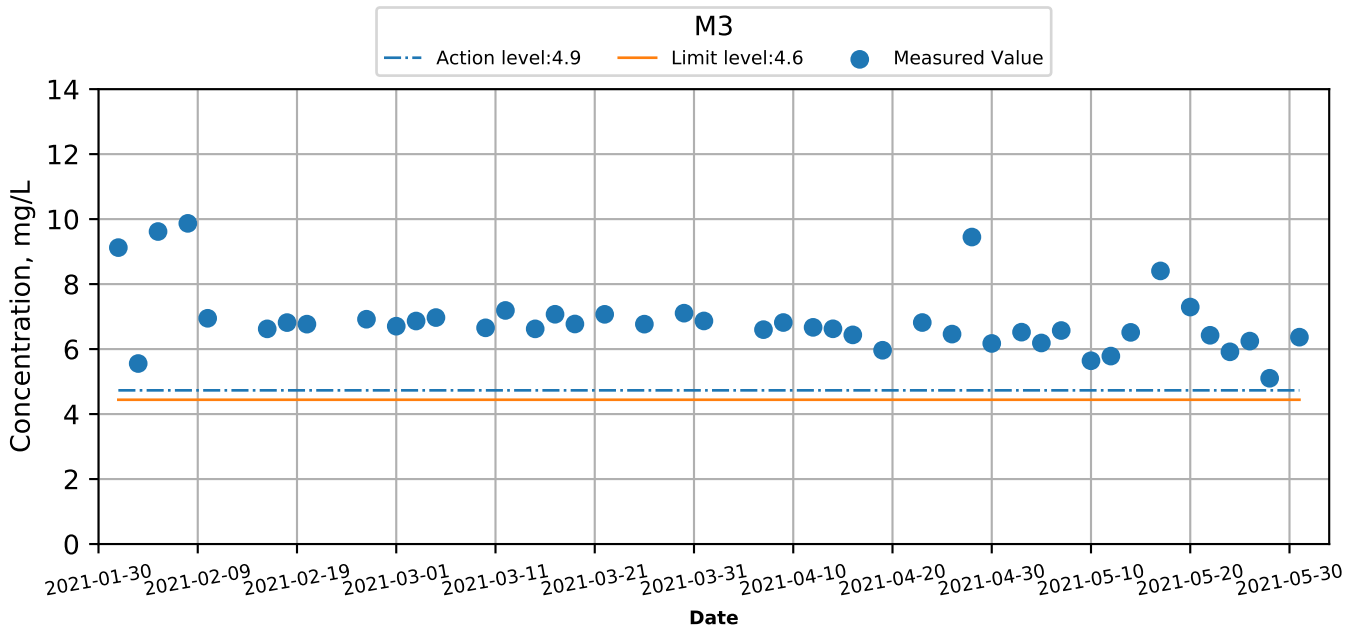


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Depth-Averaged) at Monitoring Stations during Mid-Ebb

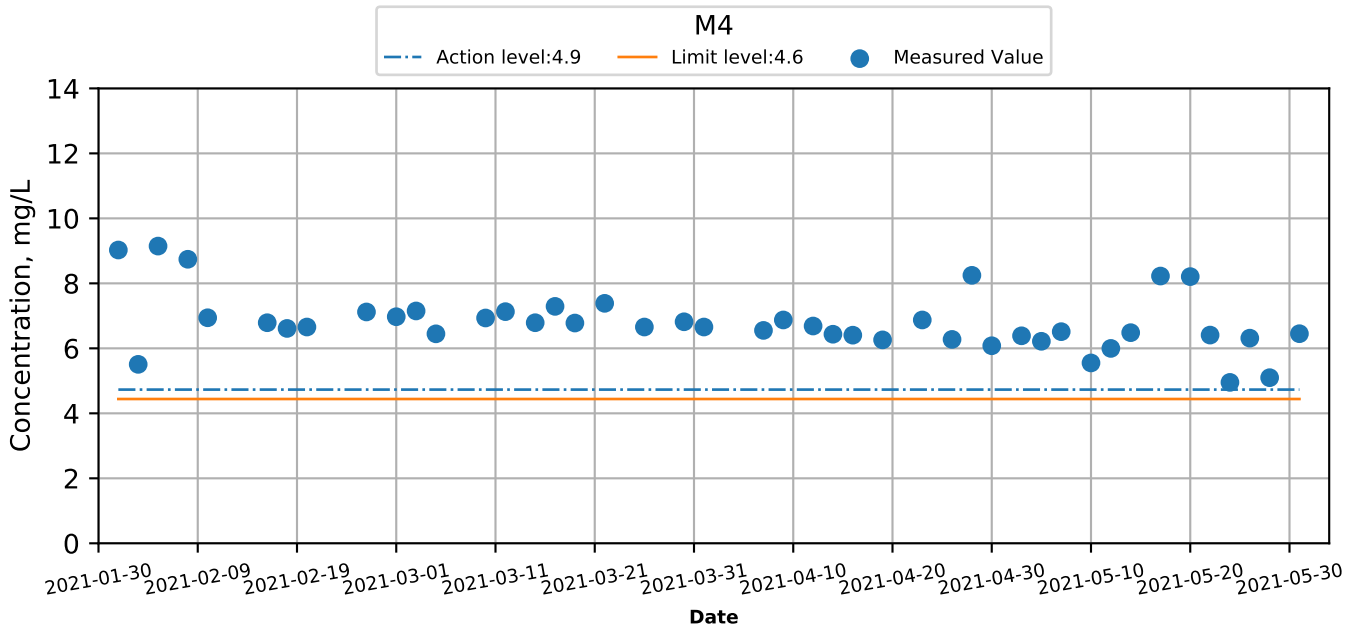


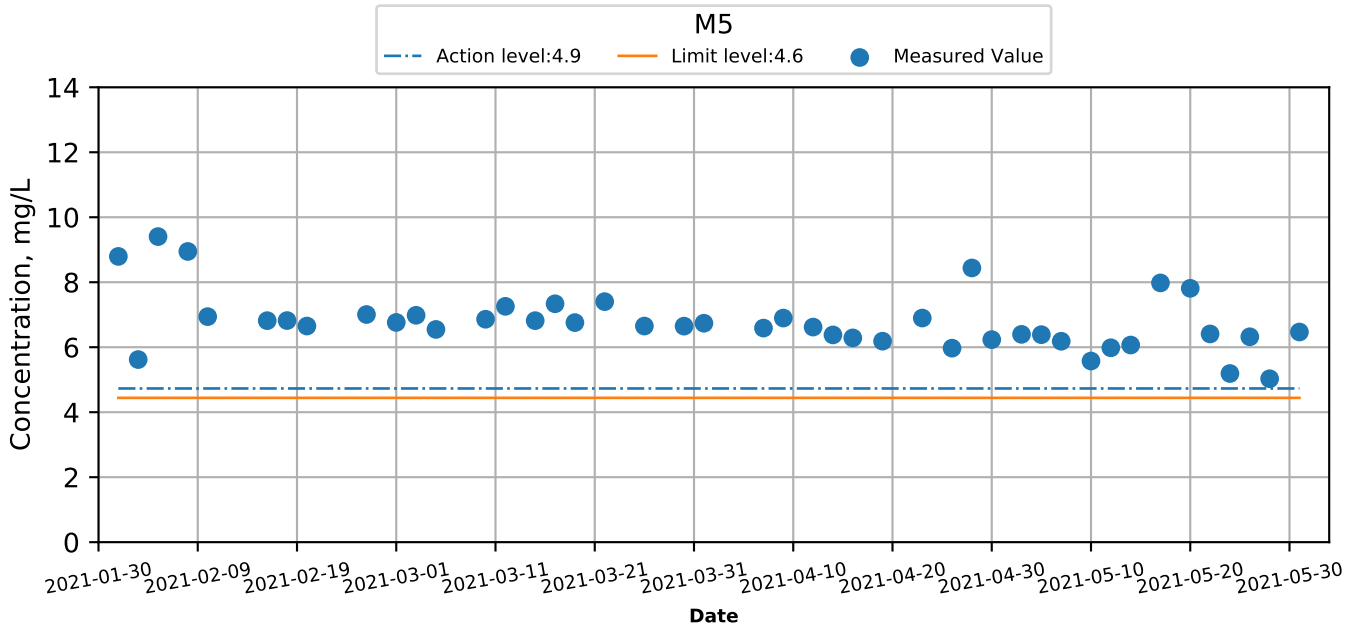




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

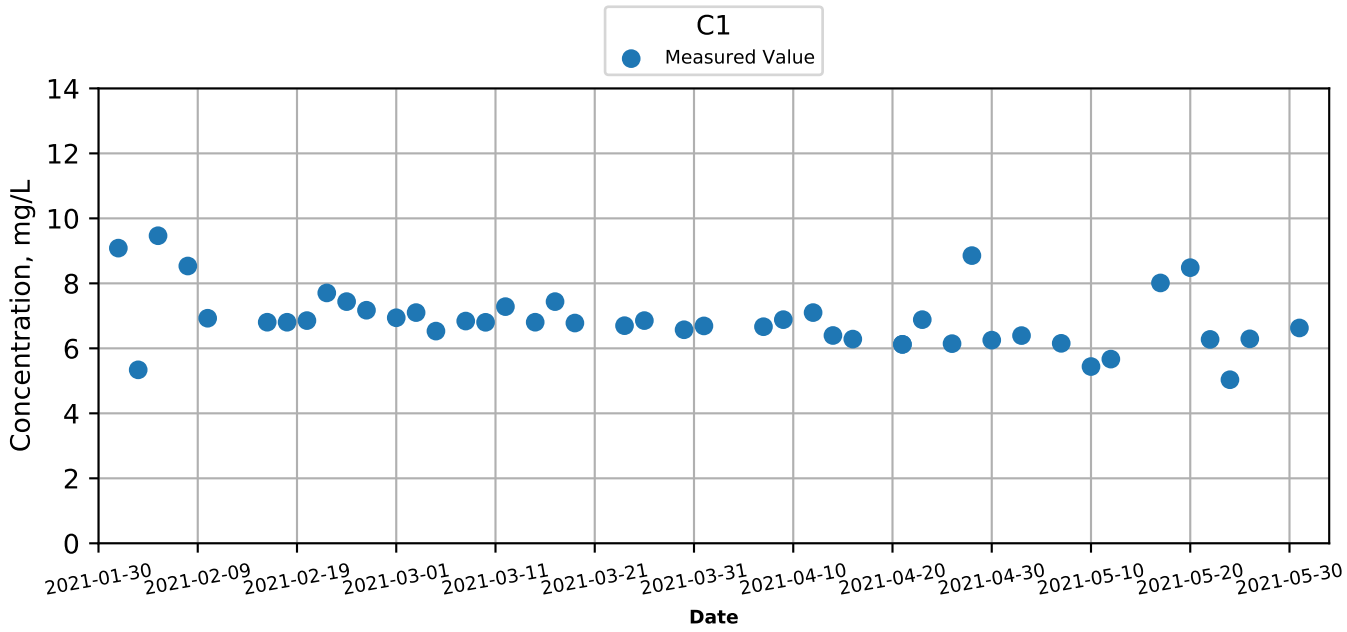
Dissolved Oxygen (Depth-Averaged) at Monitoring Stations during Mid-Ebb

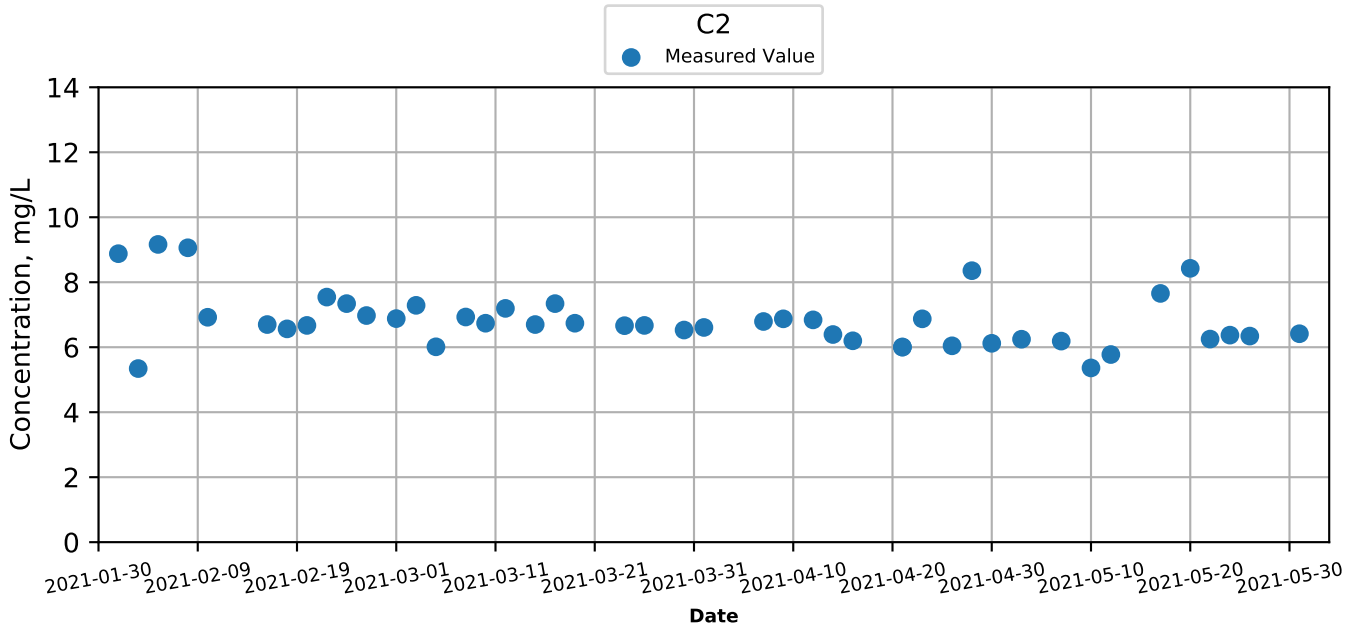


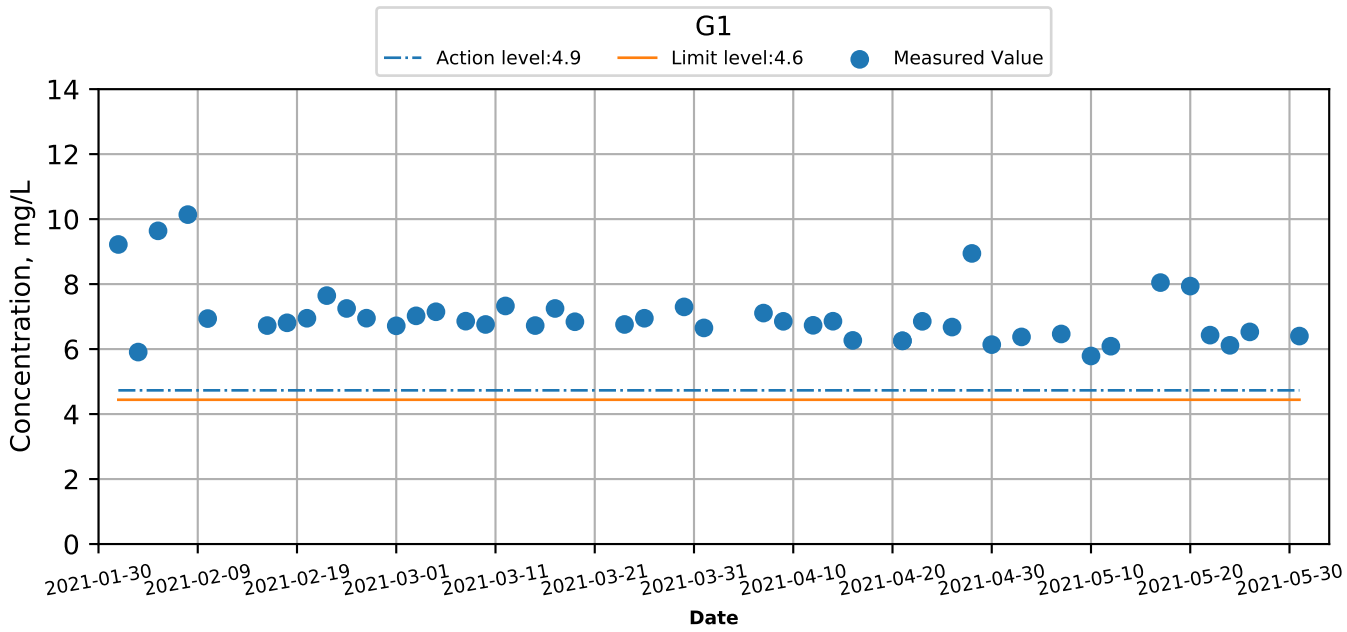


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Depth-Averaged) at Monitoring Stations during Mid-Flood

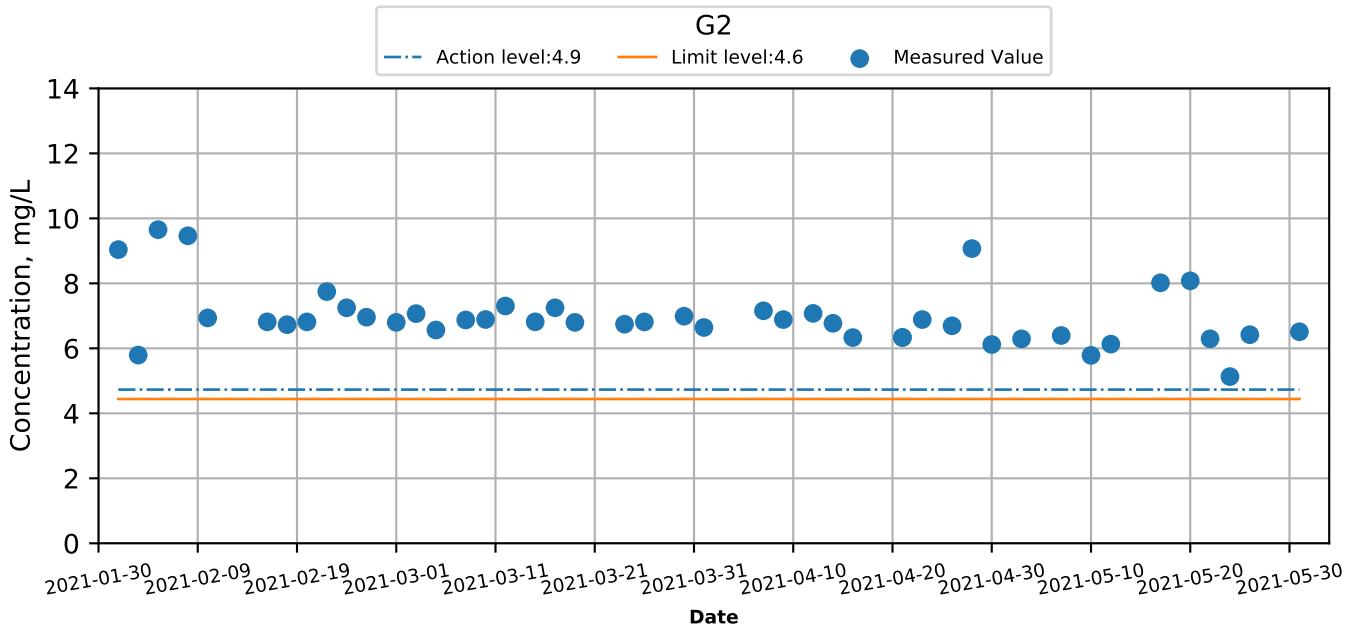


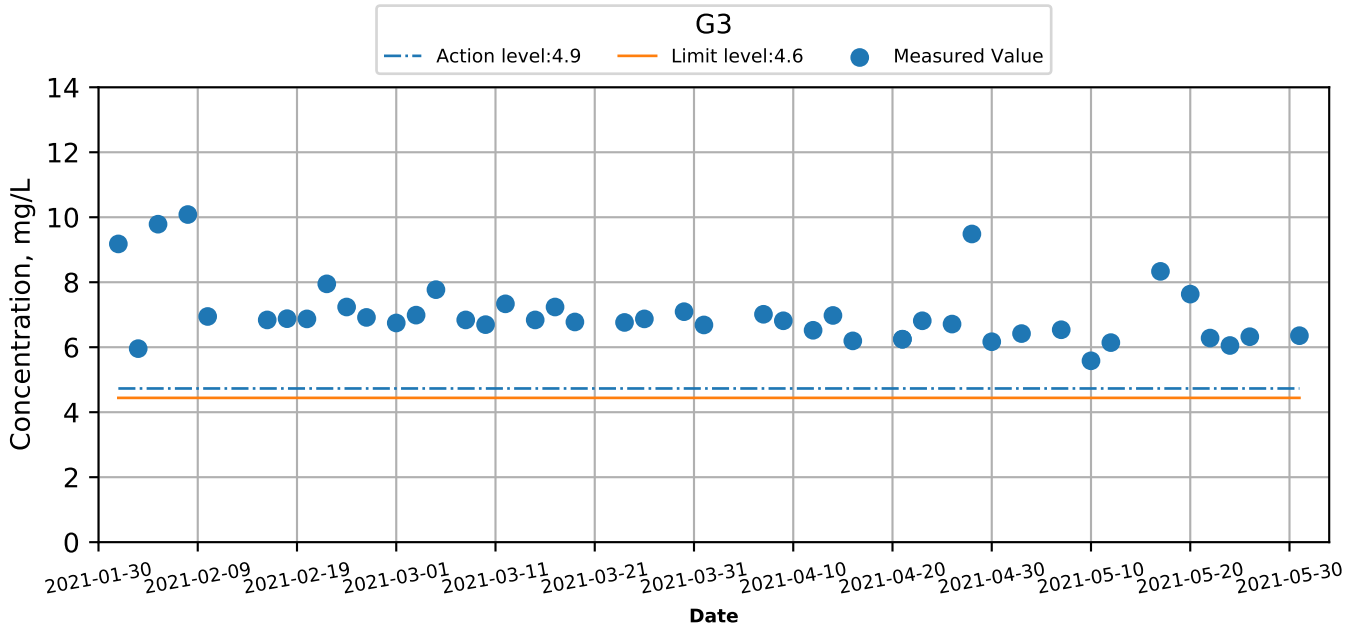


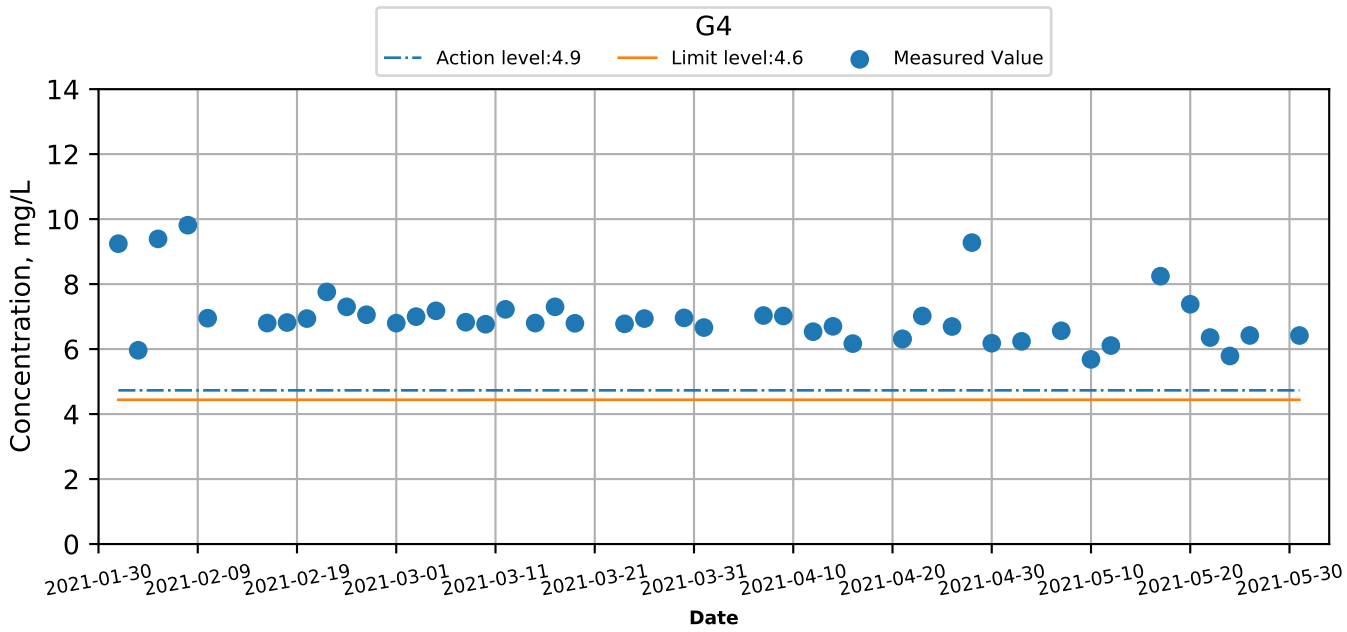


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Depth-Averaged) at Monitoring Stations during Mid-Flood

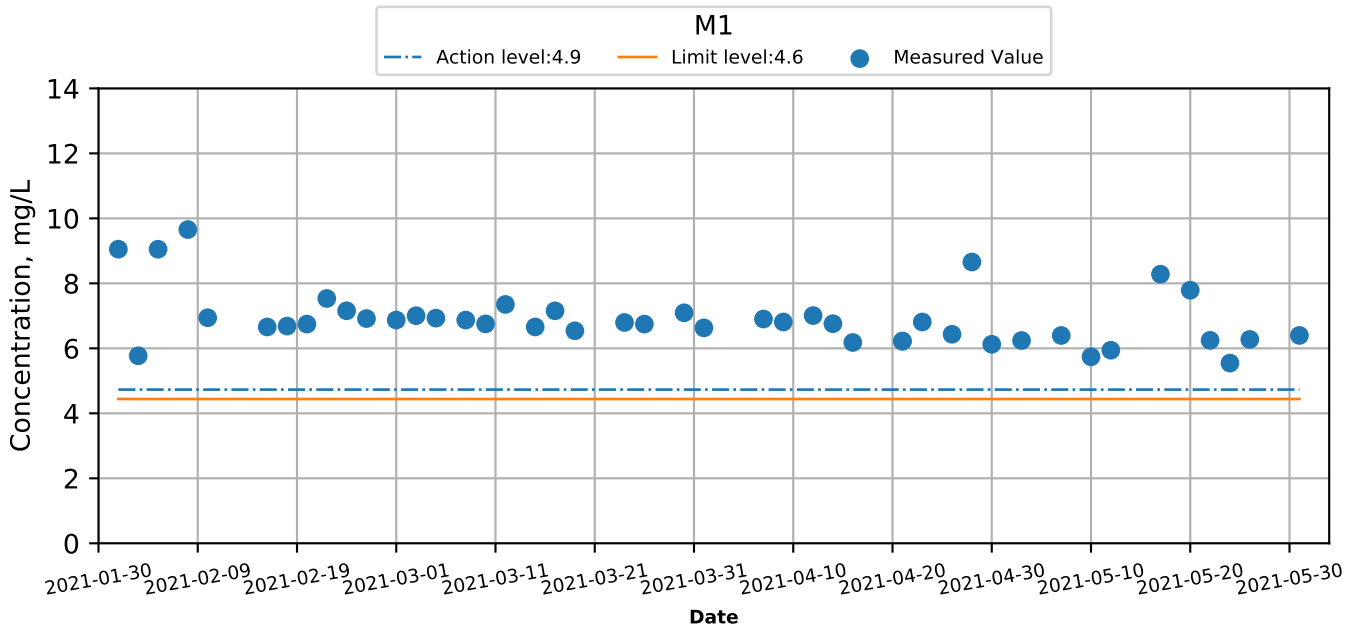


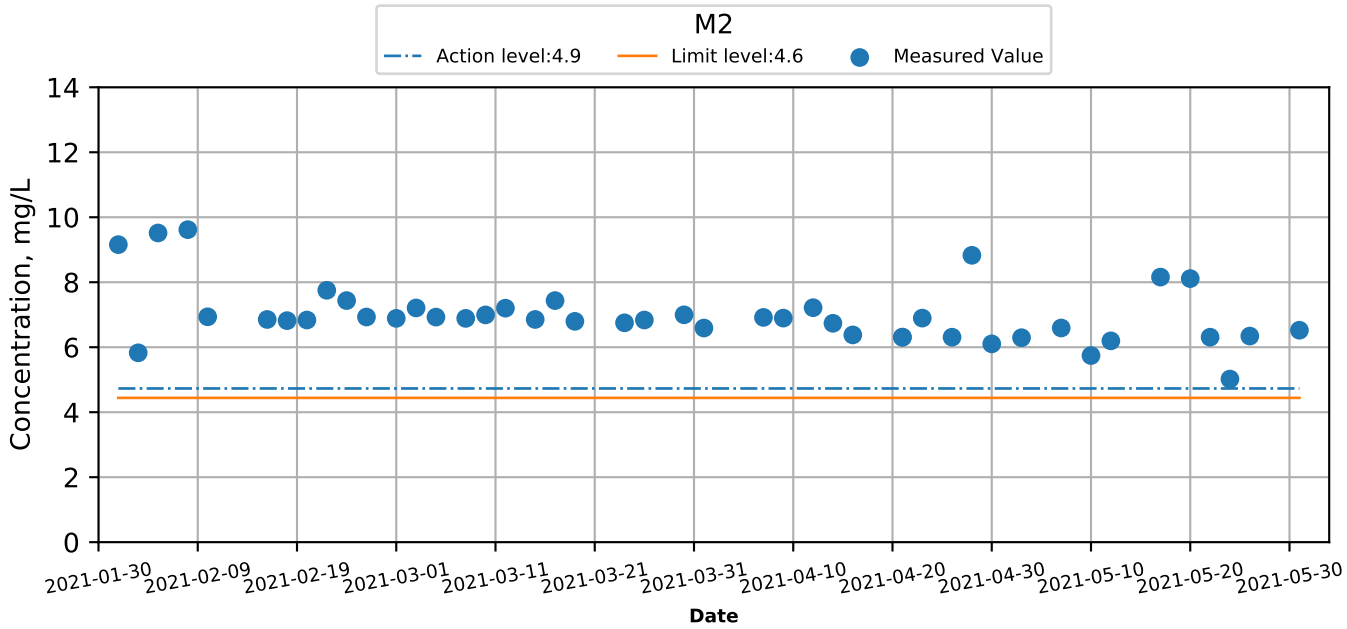


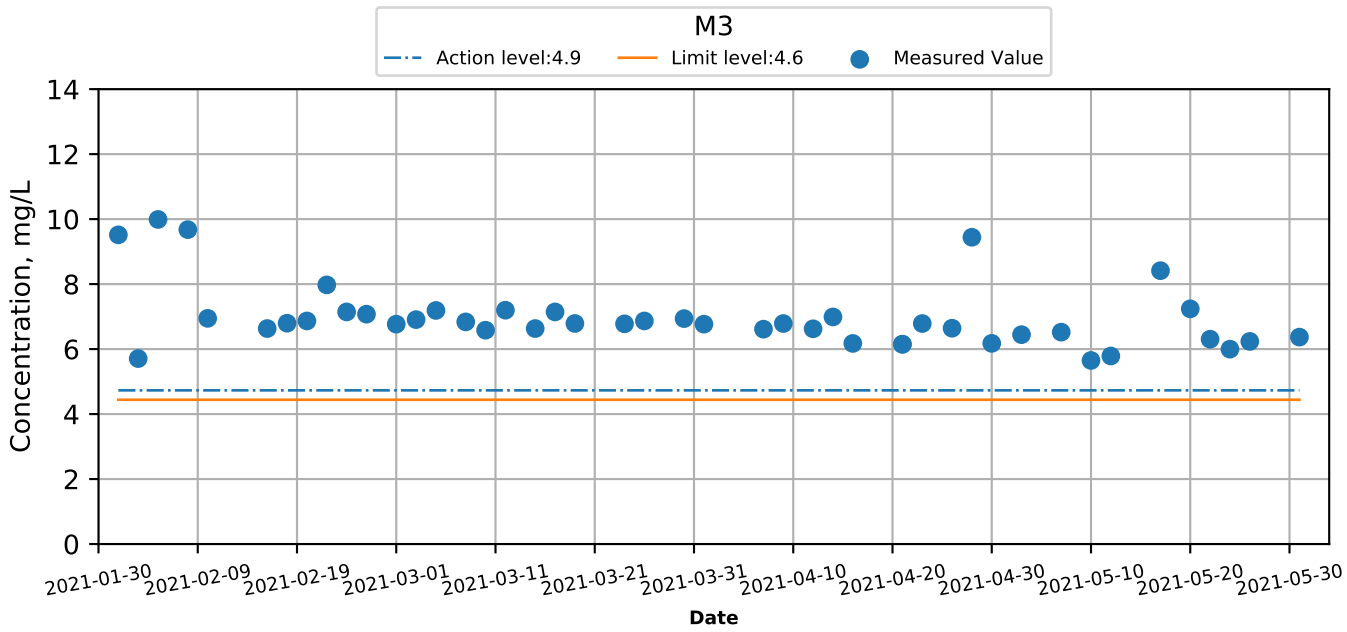


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Depth-Averaged) at Monitoring Stations during Mid-Flood

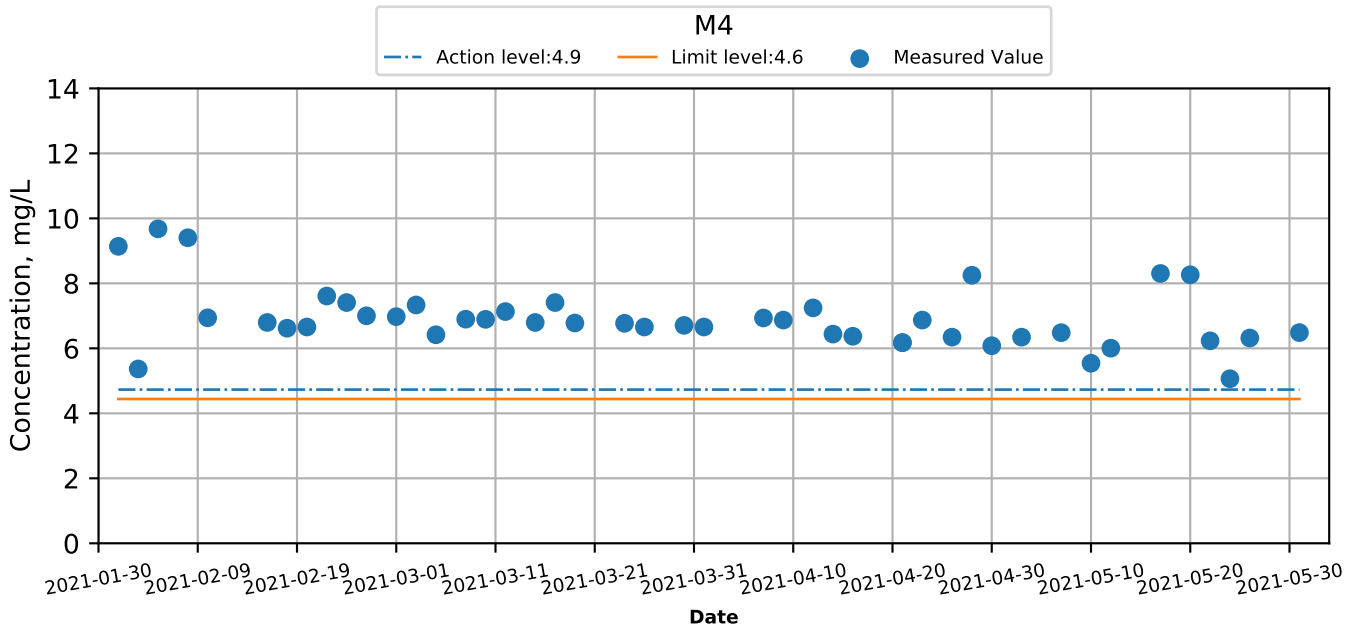


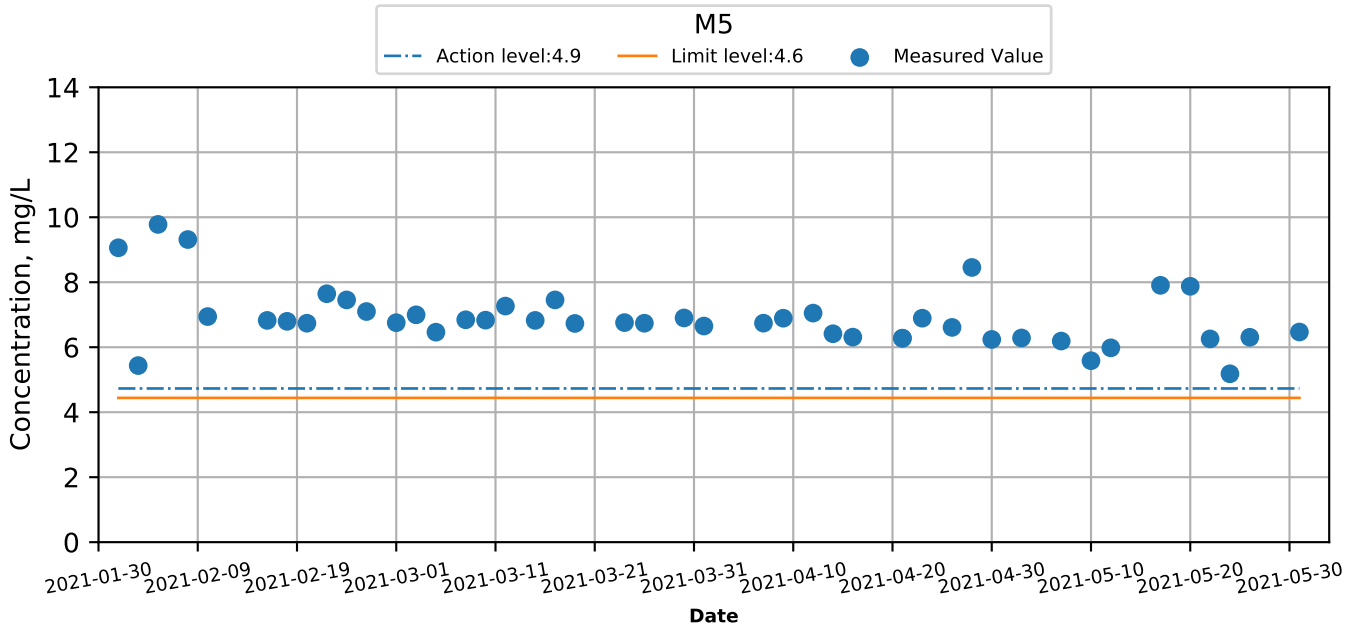




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

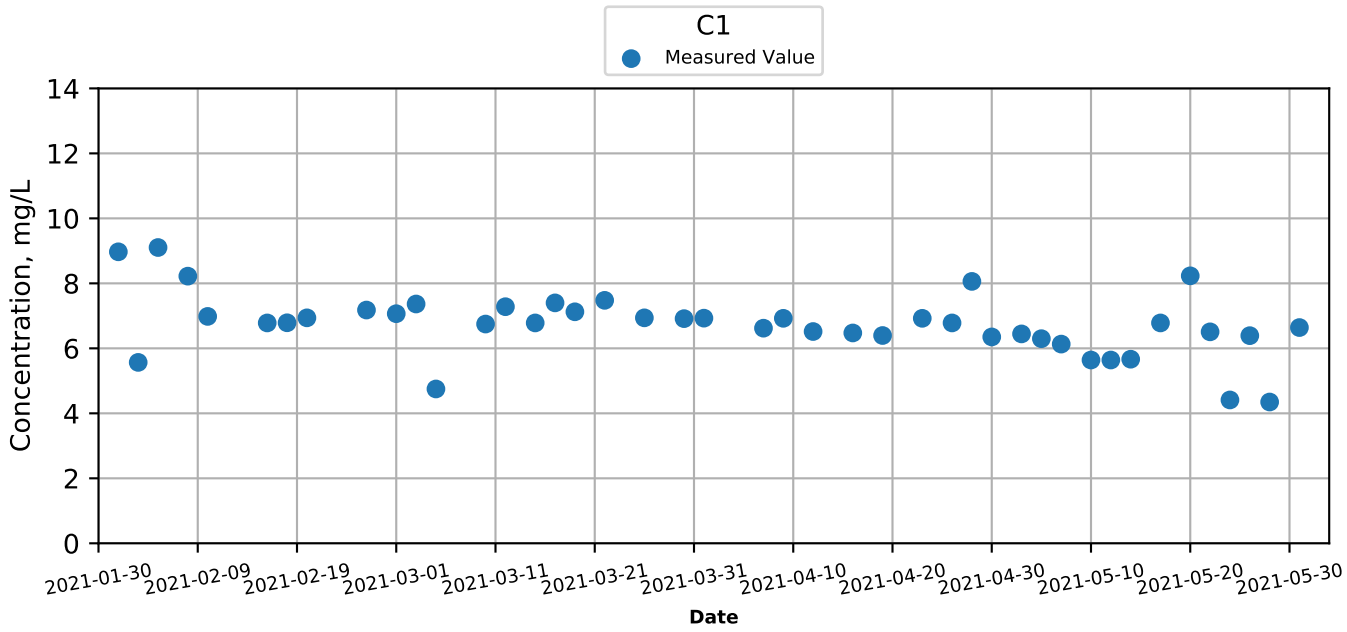
Dissolved Oxygen (Depth-Averaged) at Monitoring Stations during Mid-Flood

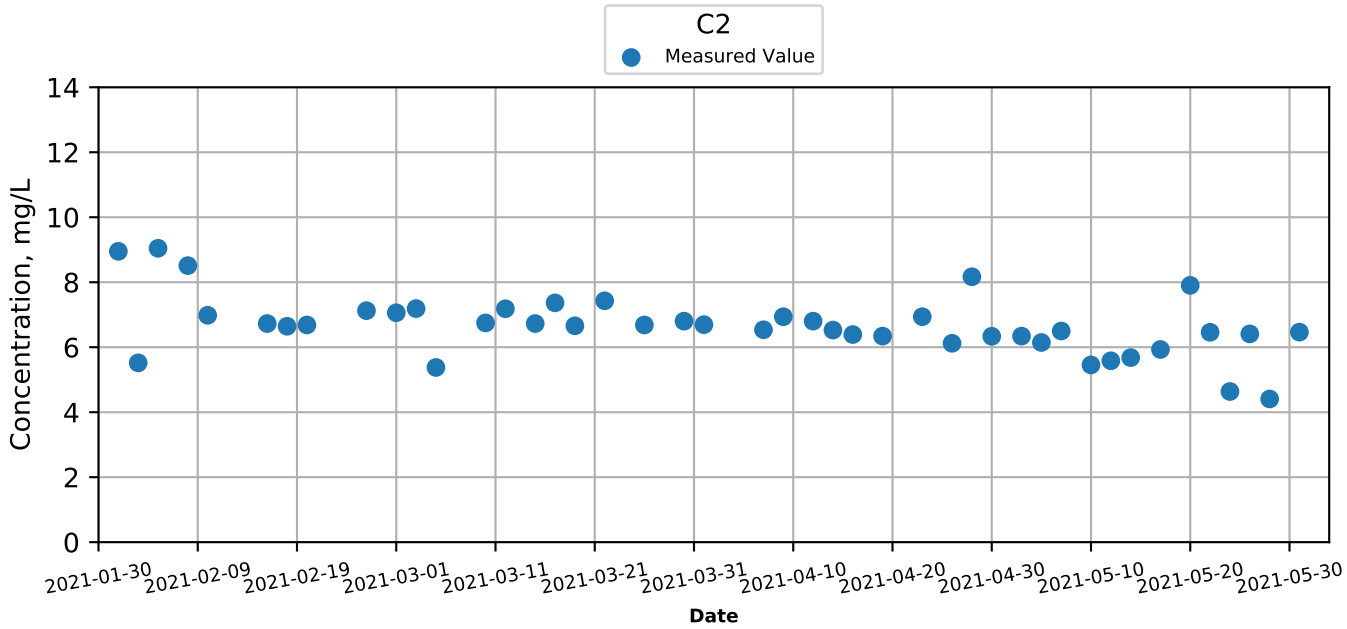


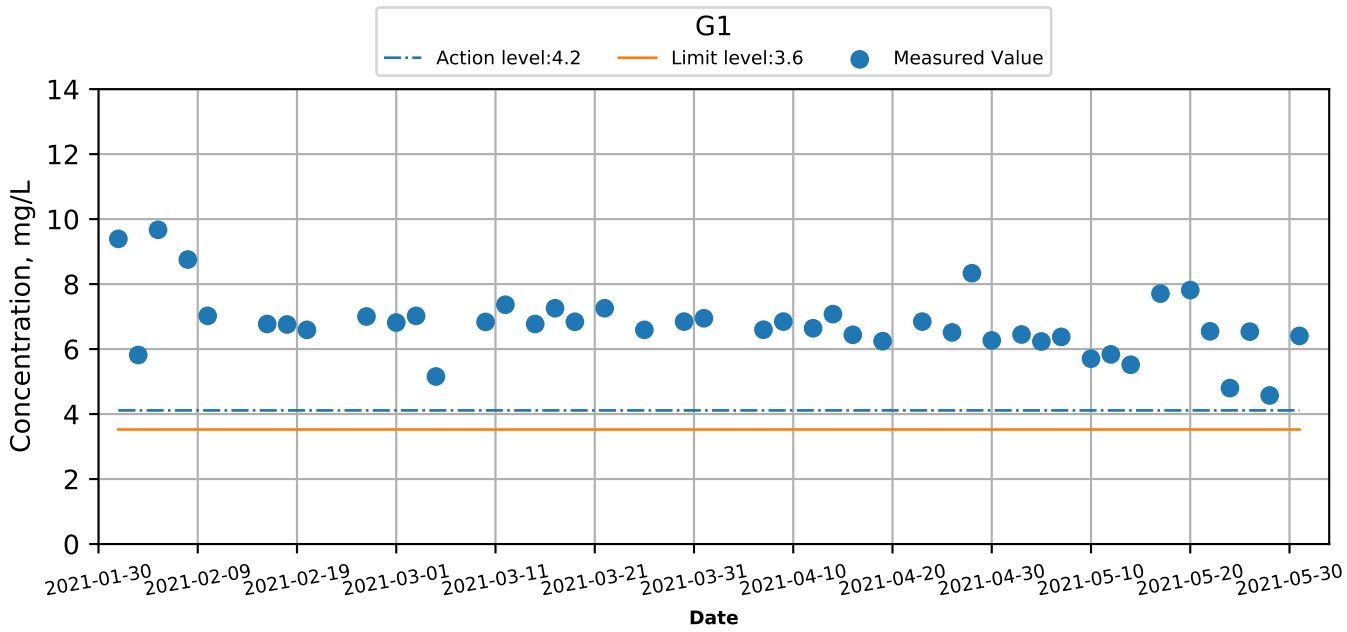


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Bottom) at Monitoring Stations during Mid-Ebb

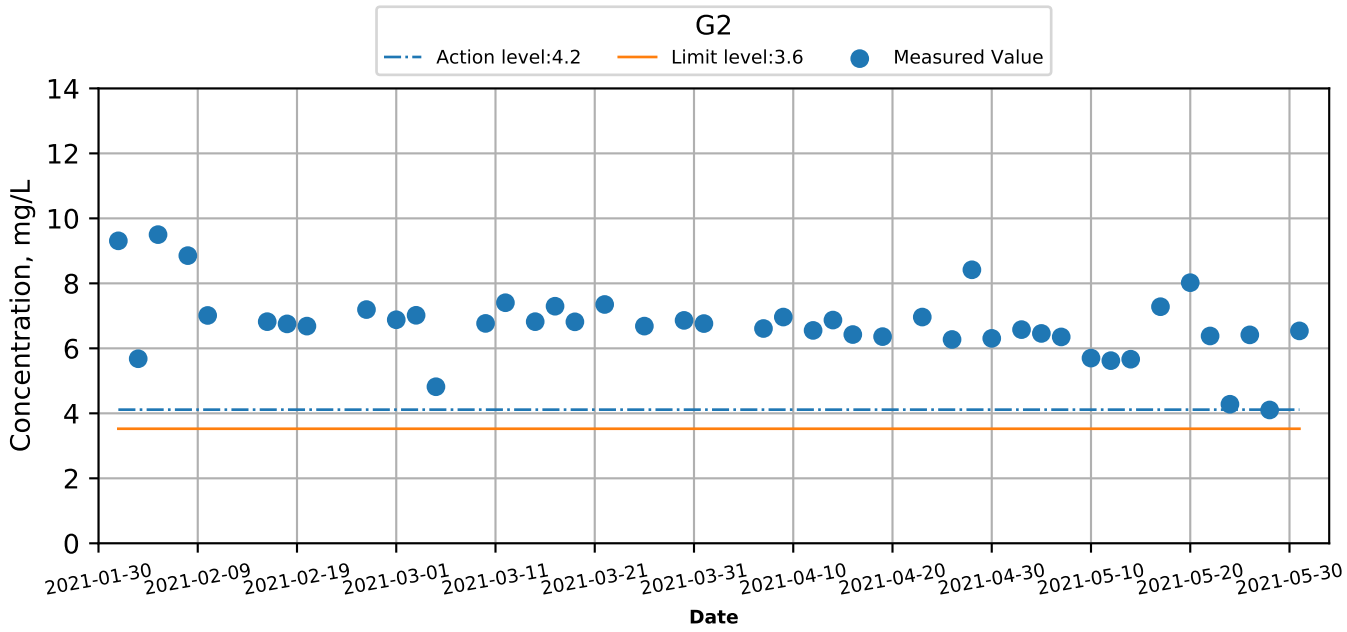


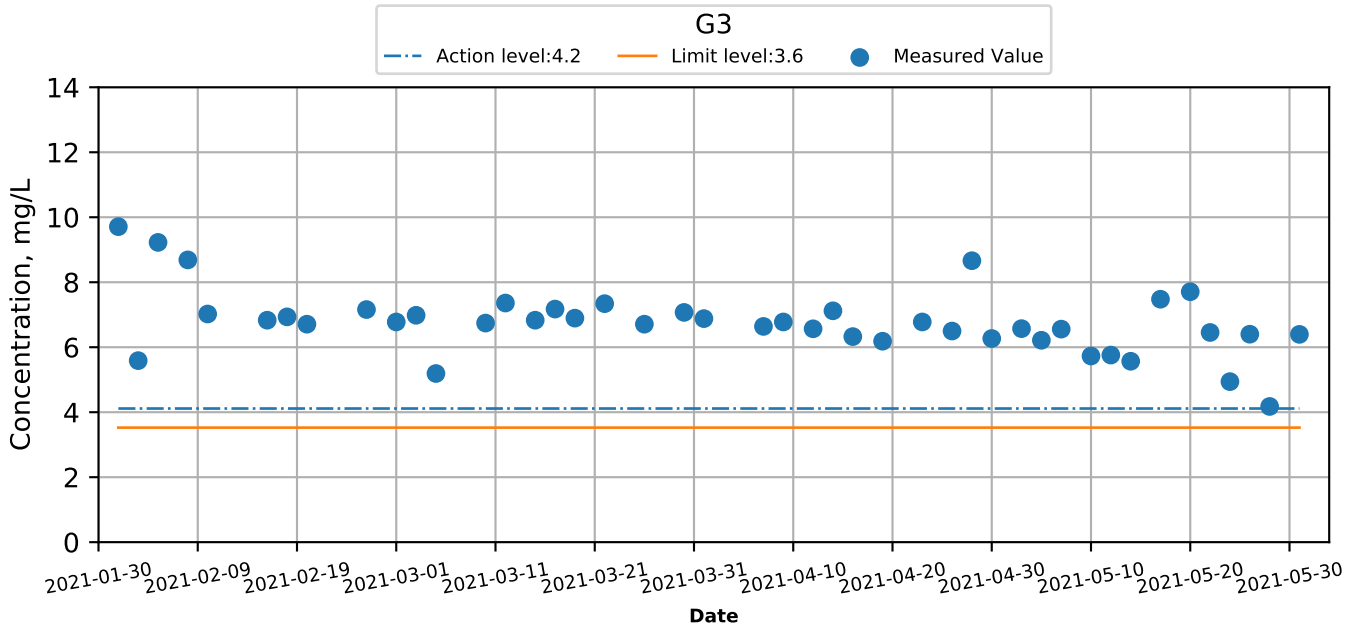


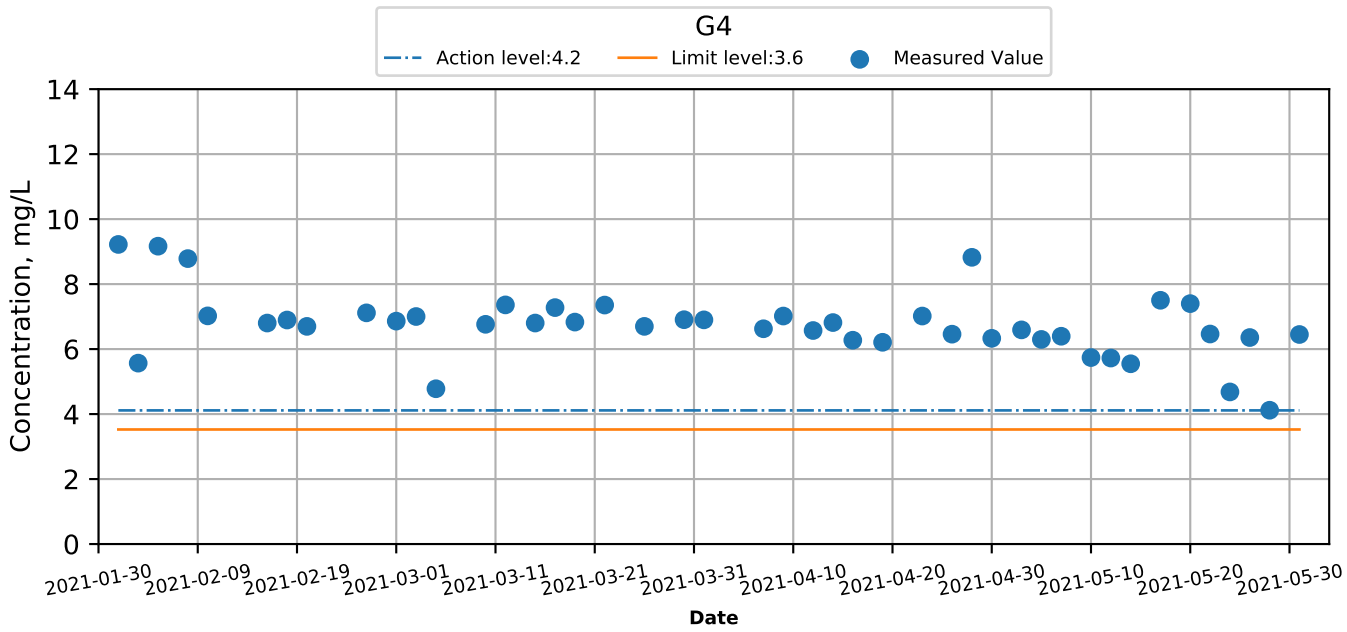


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Bottom) at Monitoring Stations during Mid-Ebb

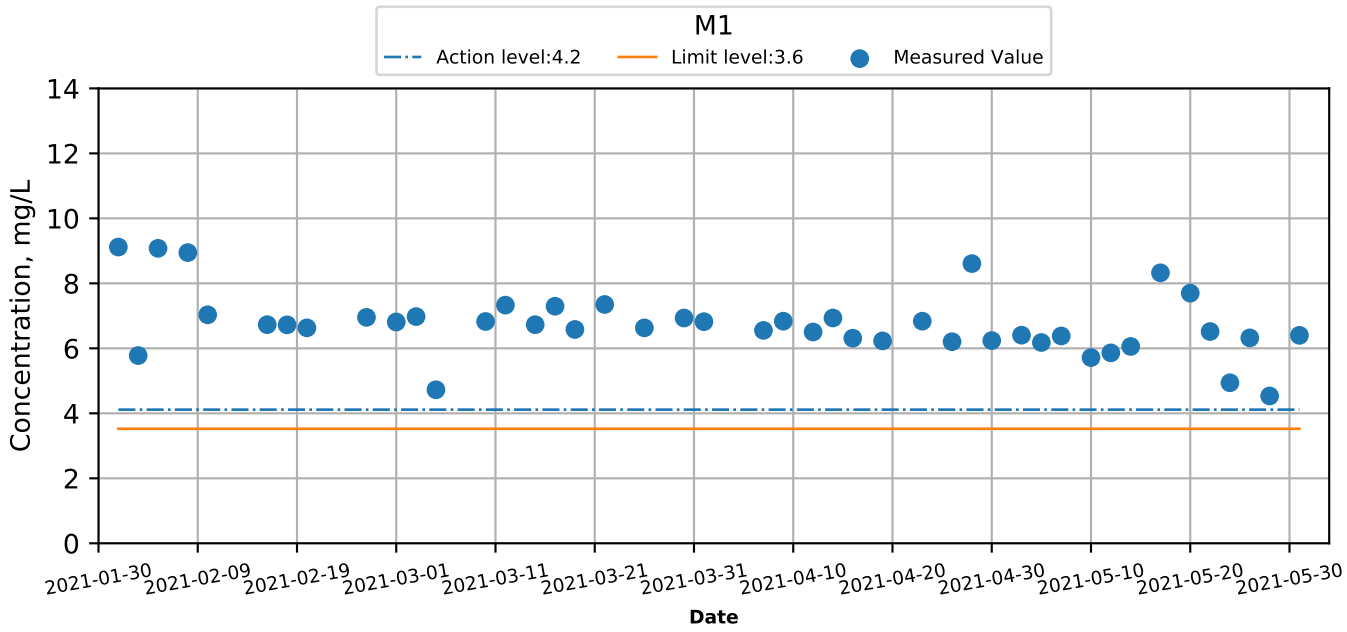


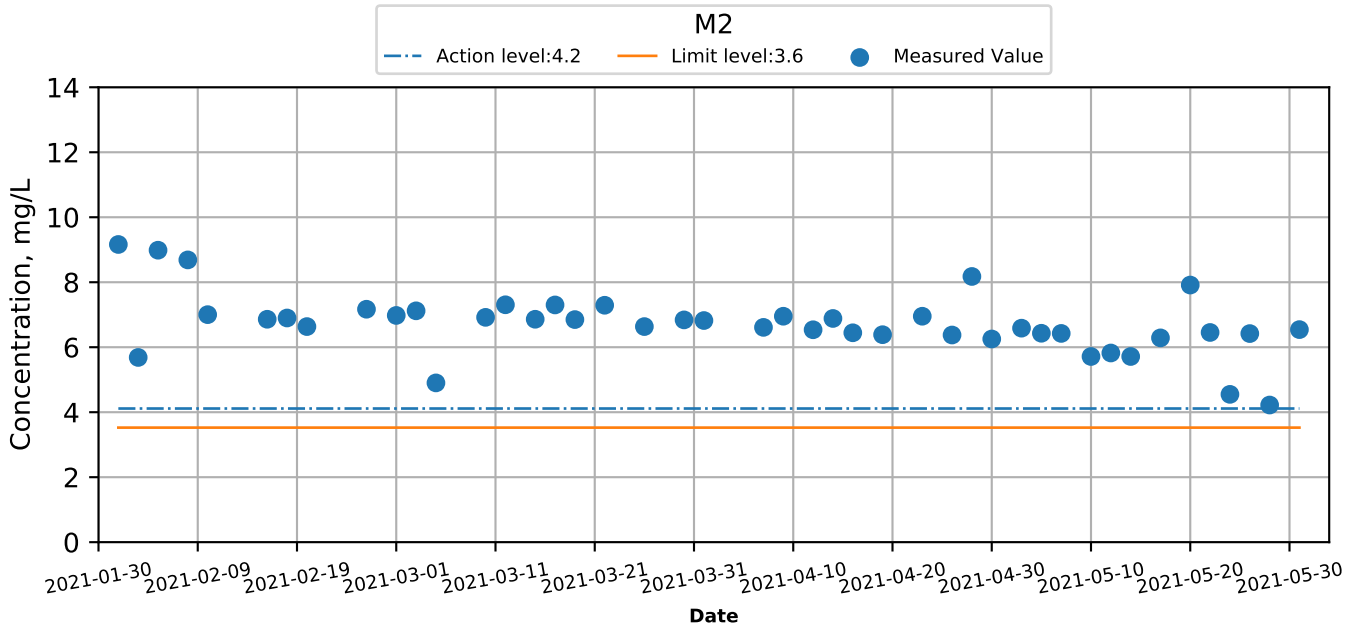


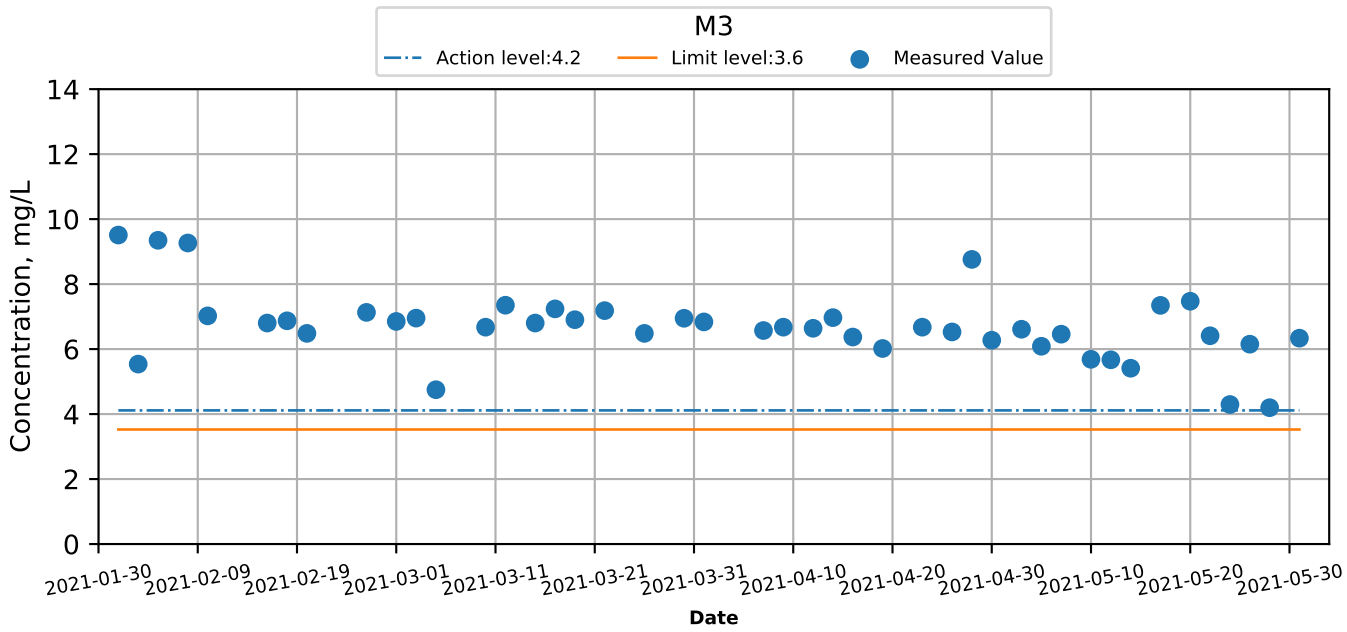


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Bottom) at Monitoring Stations during Mid-Ebb

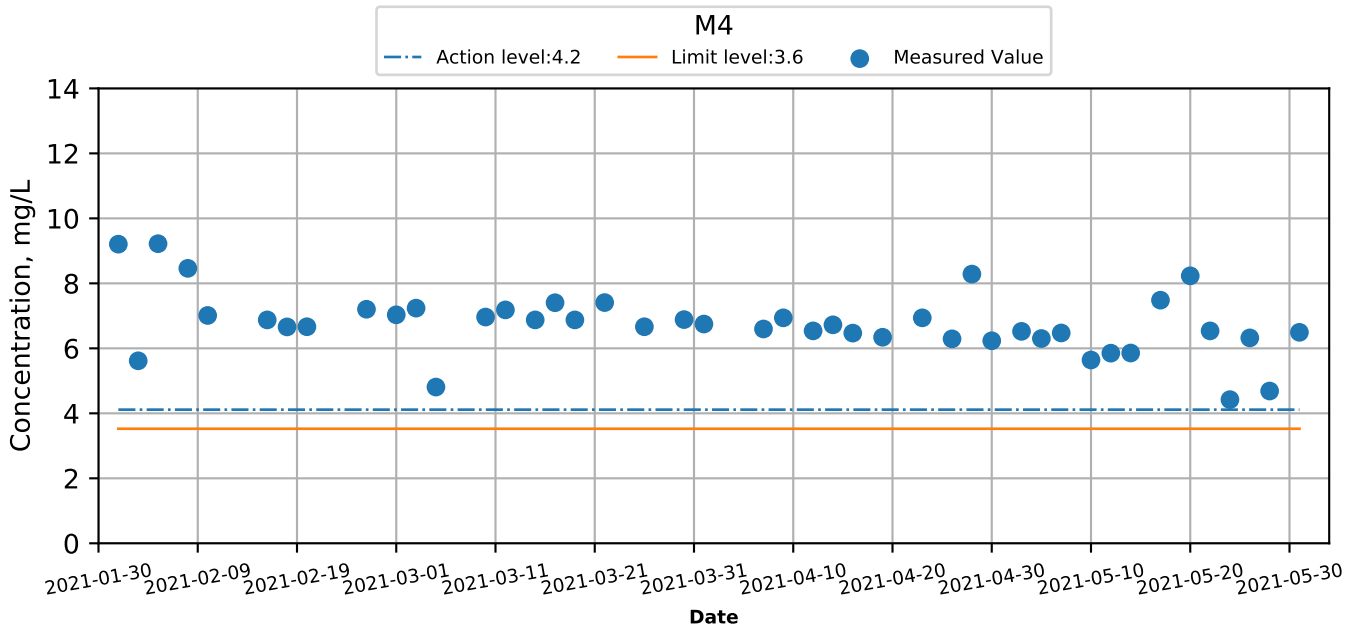


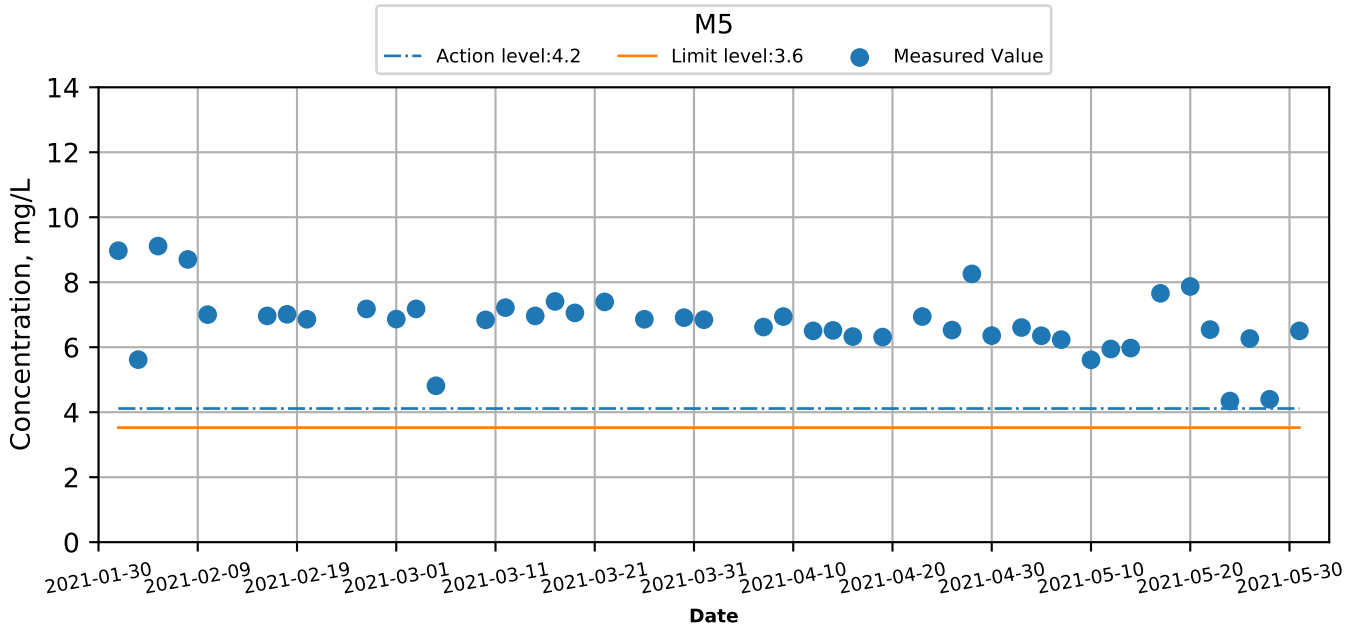




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

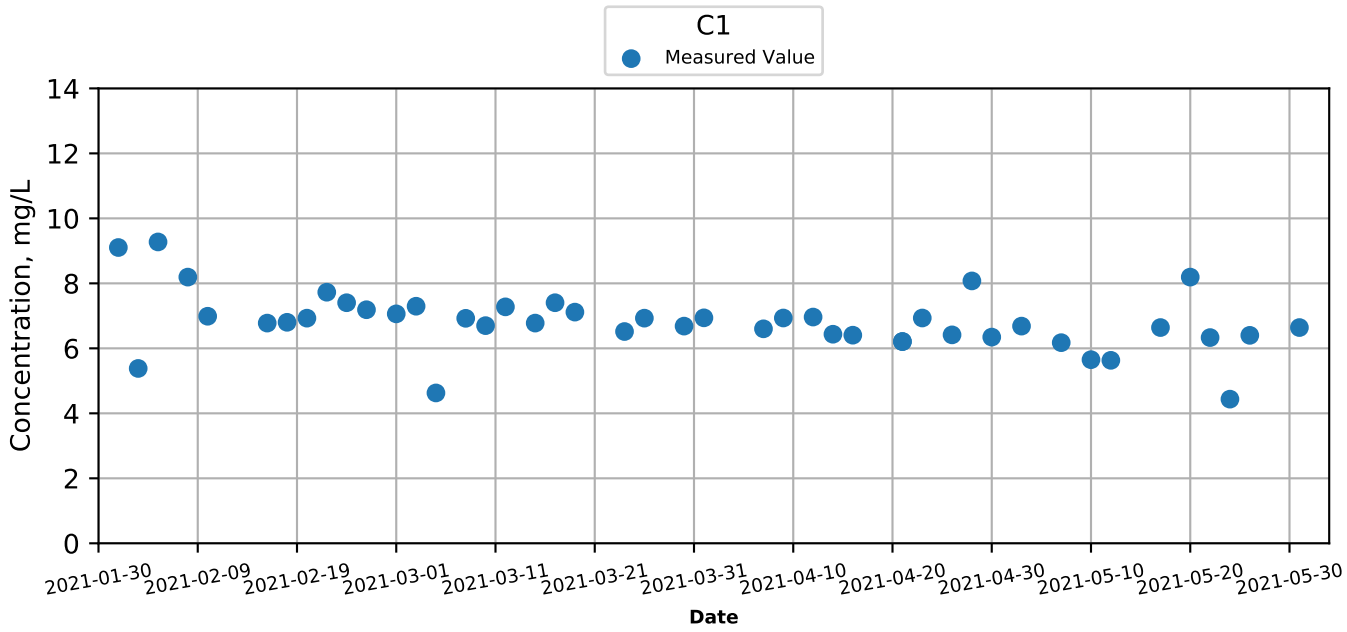
Dissolved Oxygen (Bottom) at Monitoring Stations during Mid-Ebb

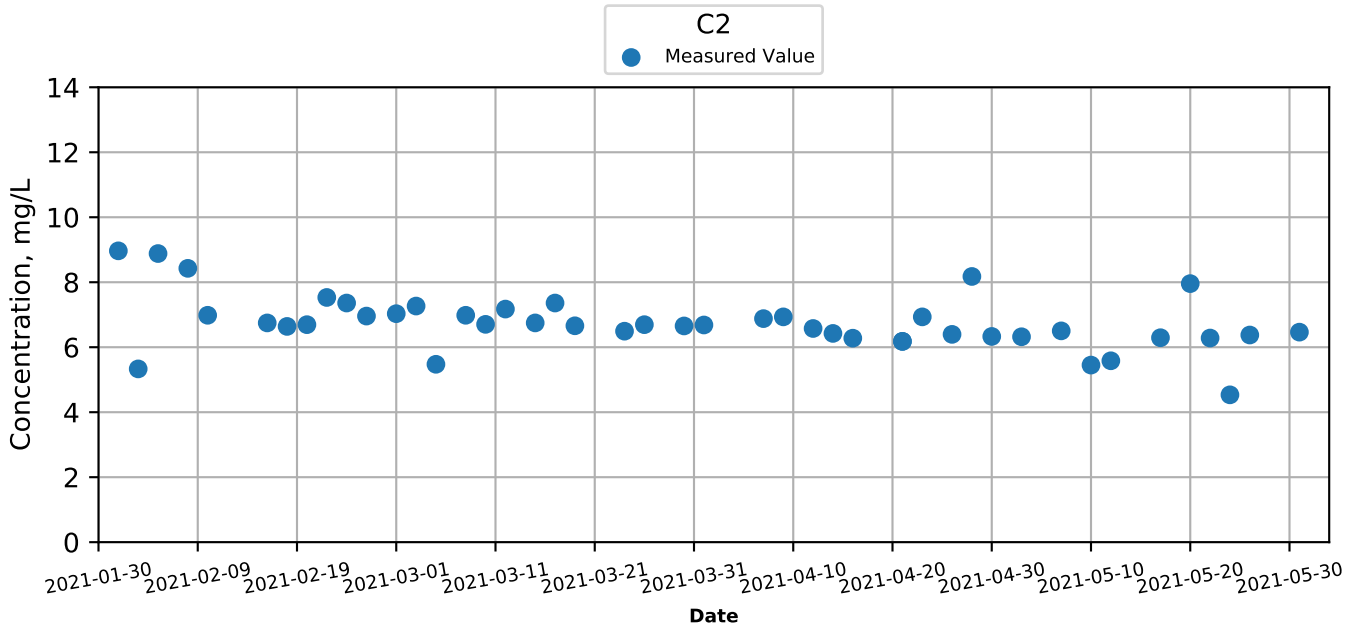


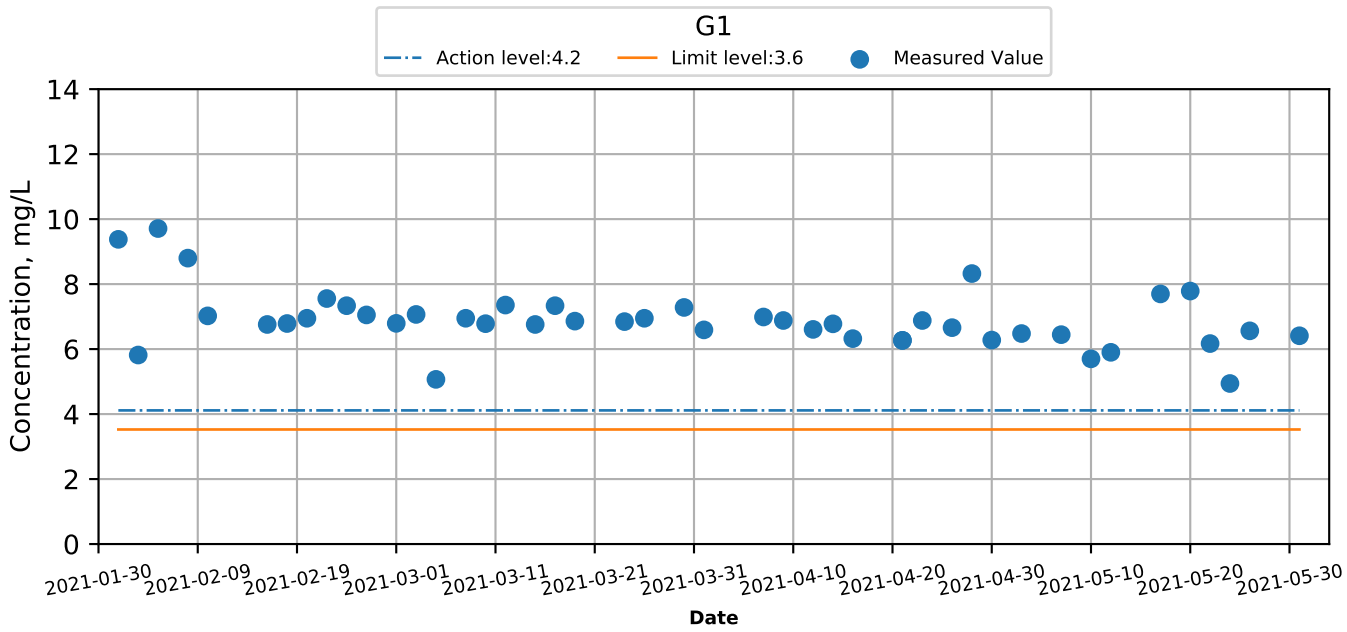


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Bottom) at Monitoring Stations during Mid-Flood

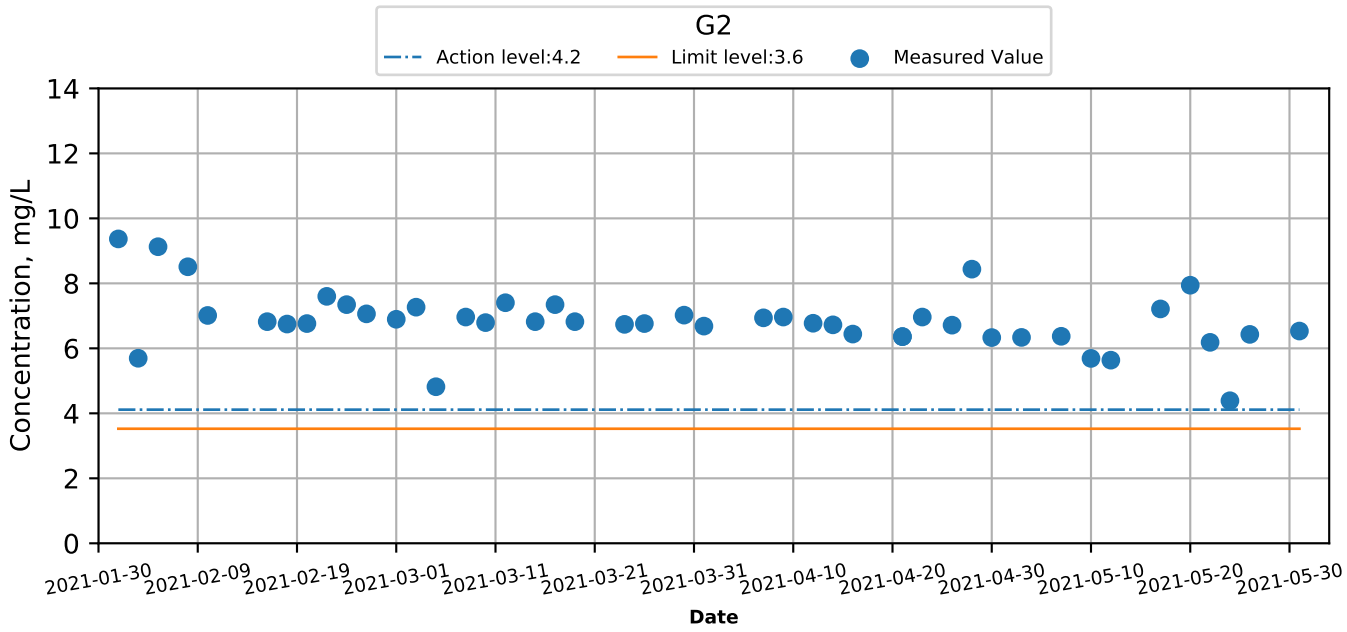


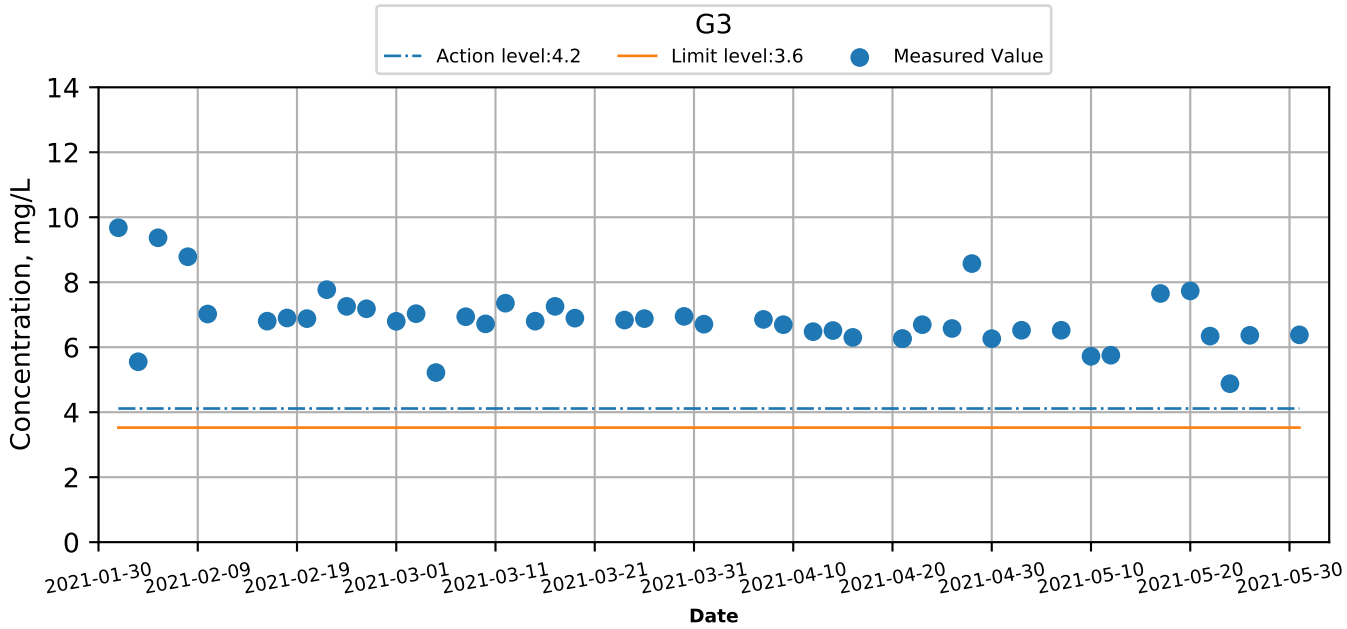


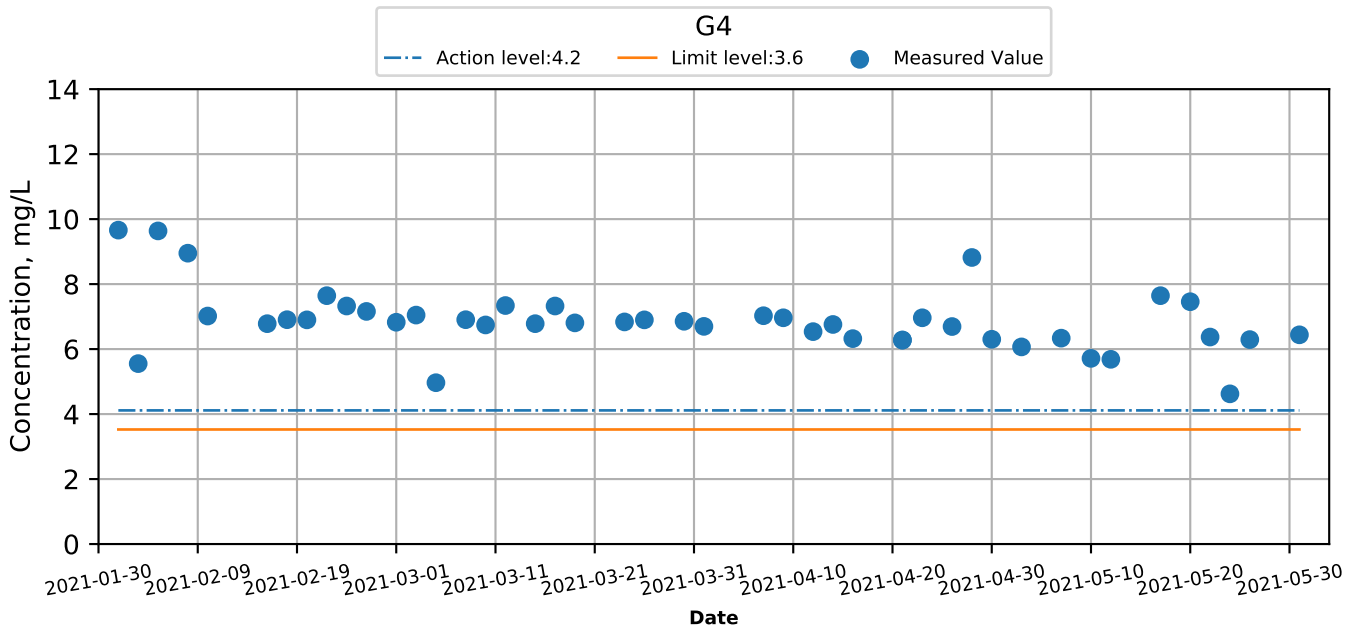


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Bottom) at Monitoring Stations during Mid-Flood

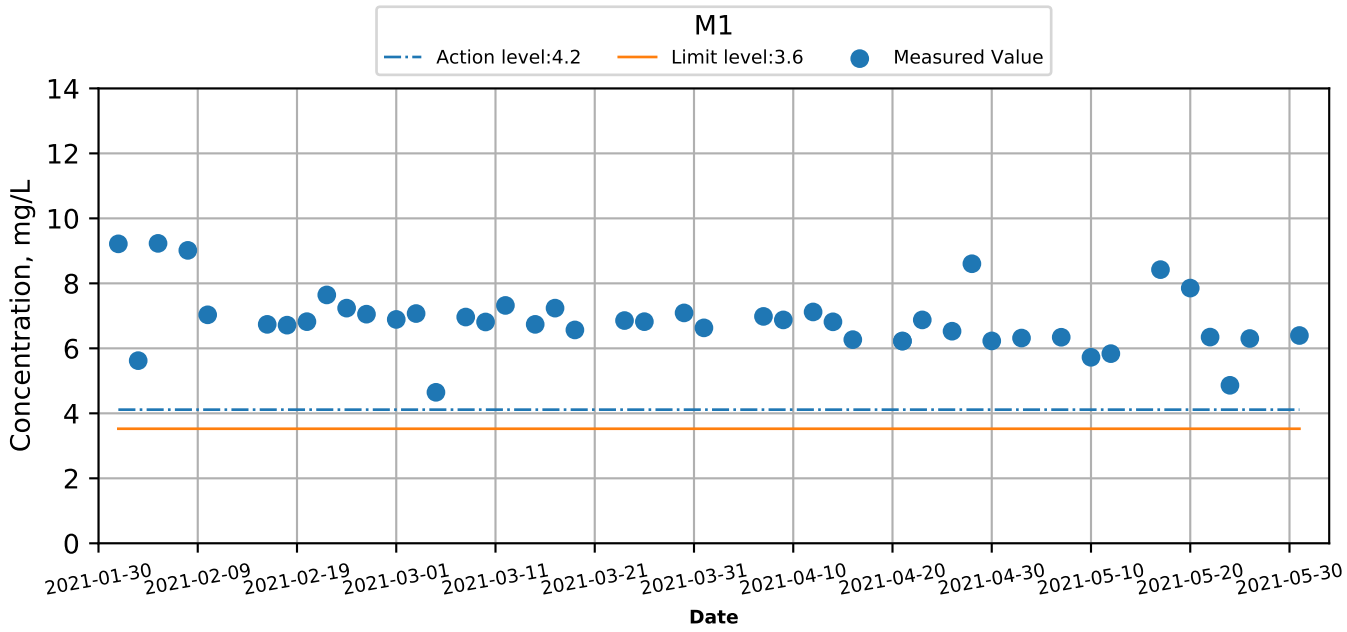


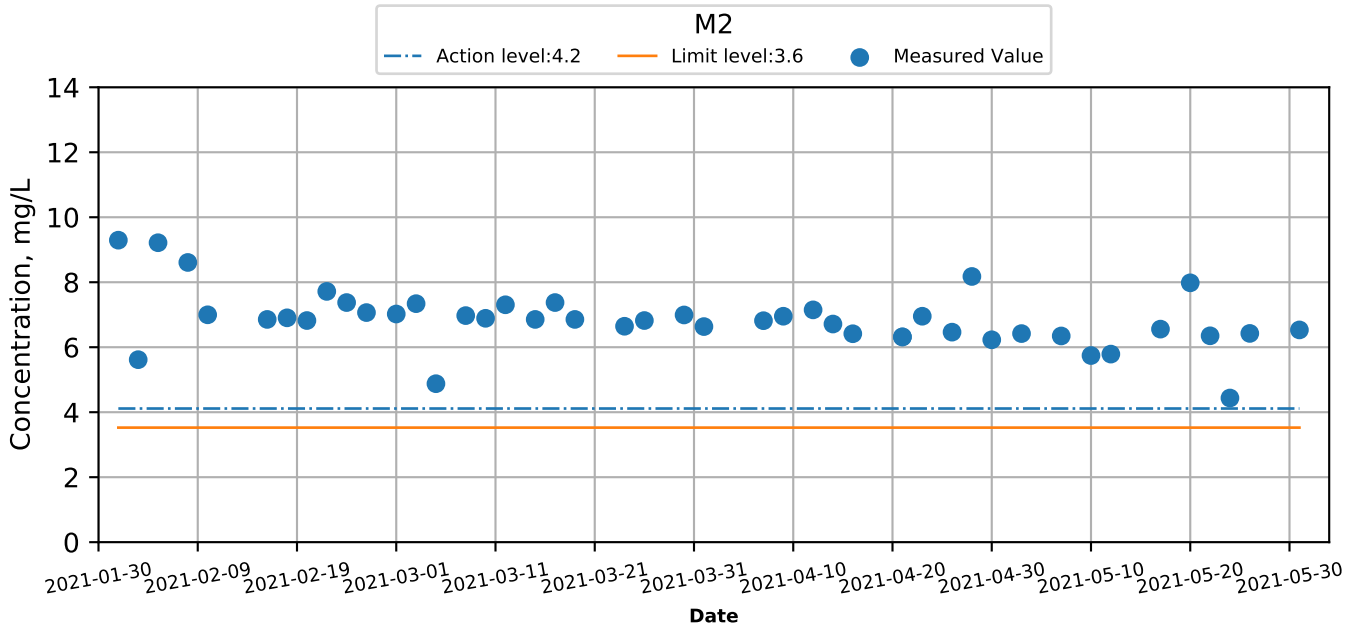


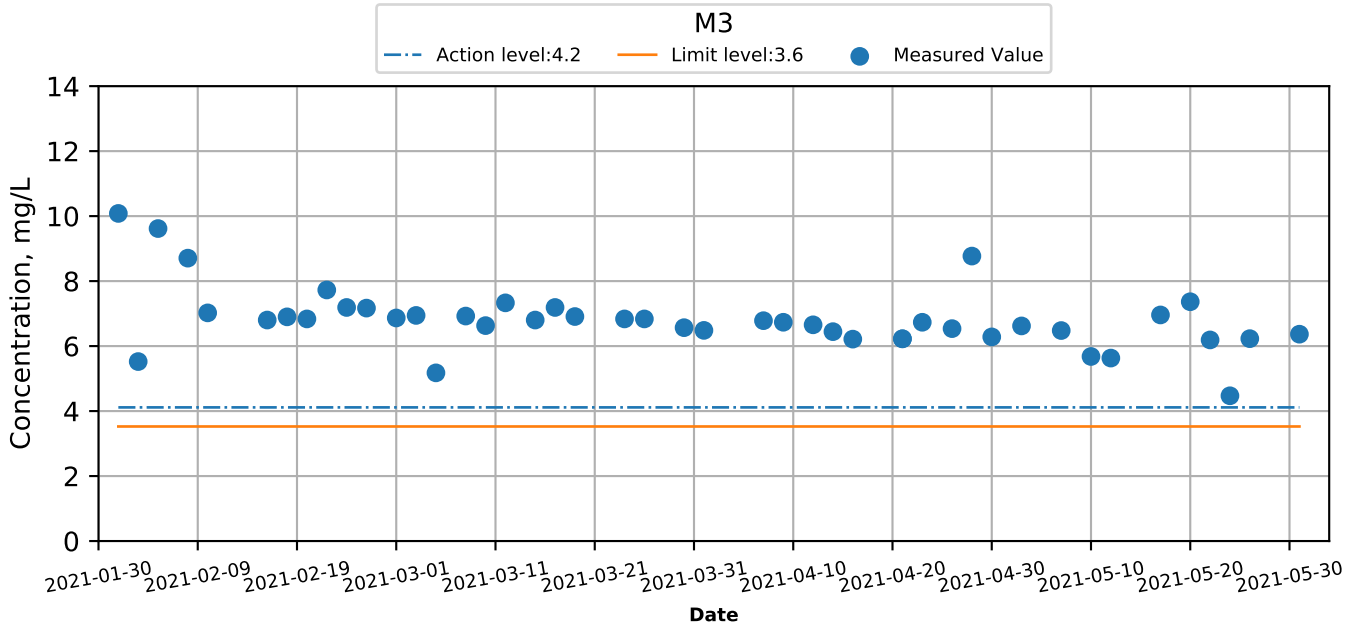


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Bottom) at Monitoring Stations during Mid-Flood

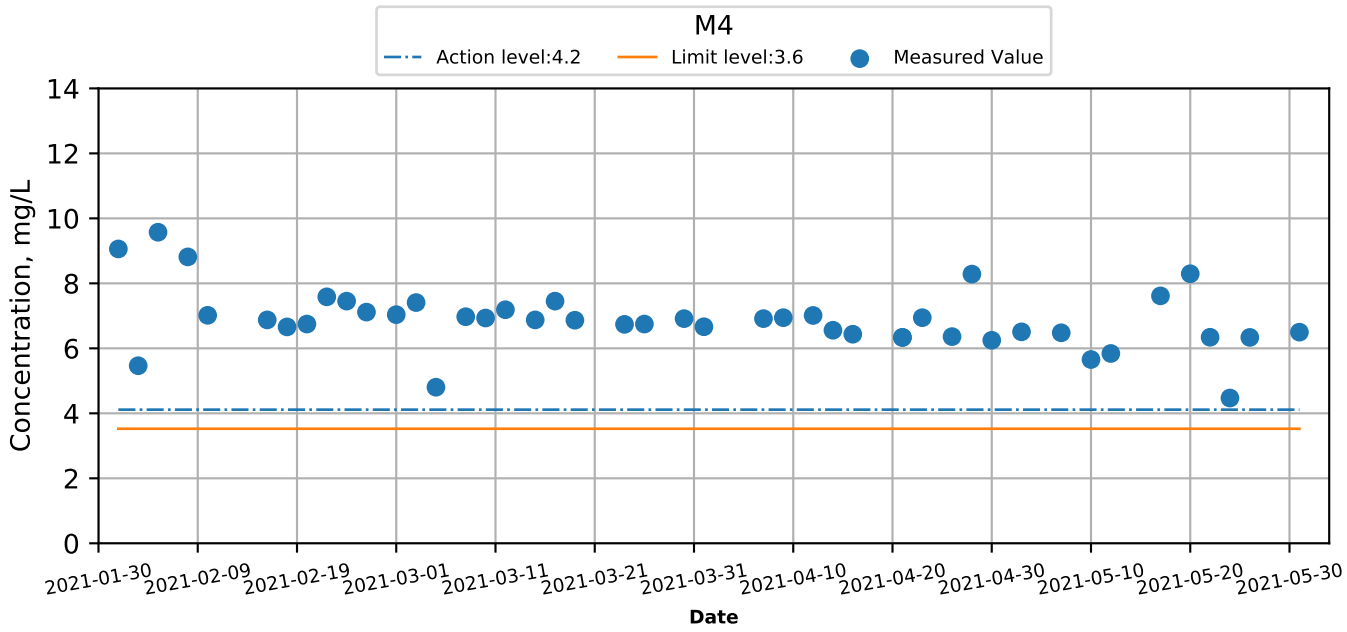


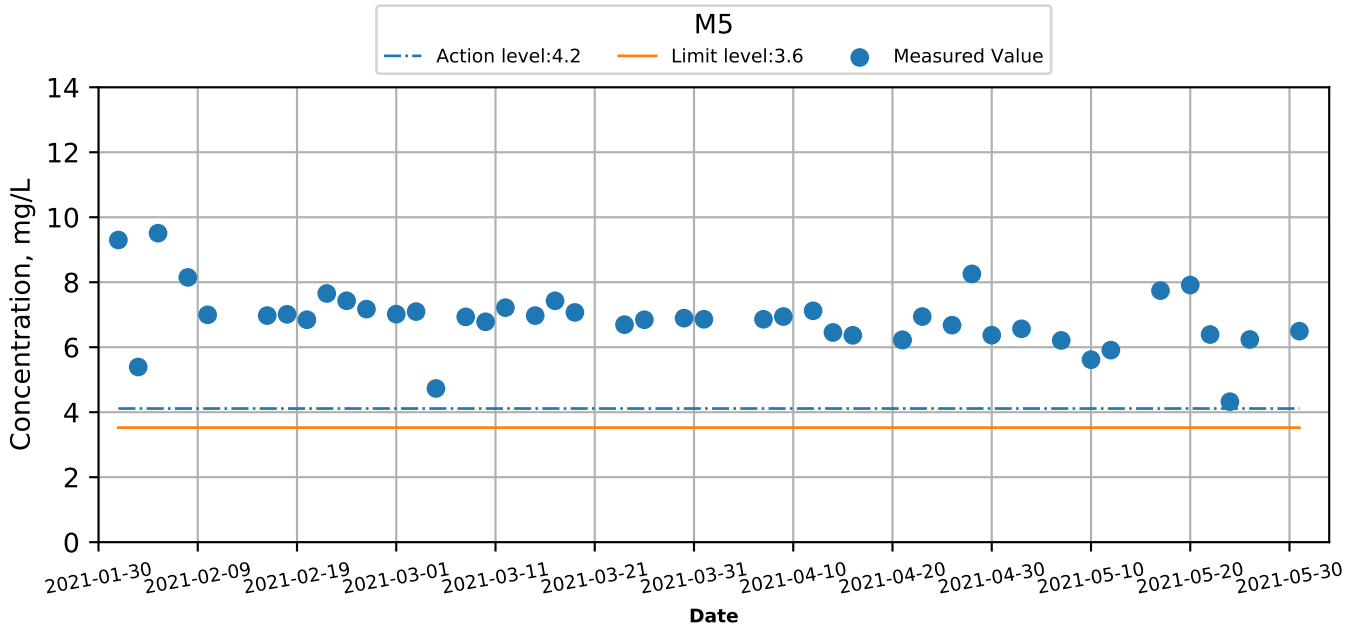




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

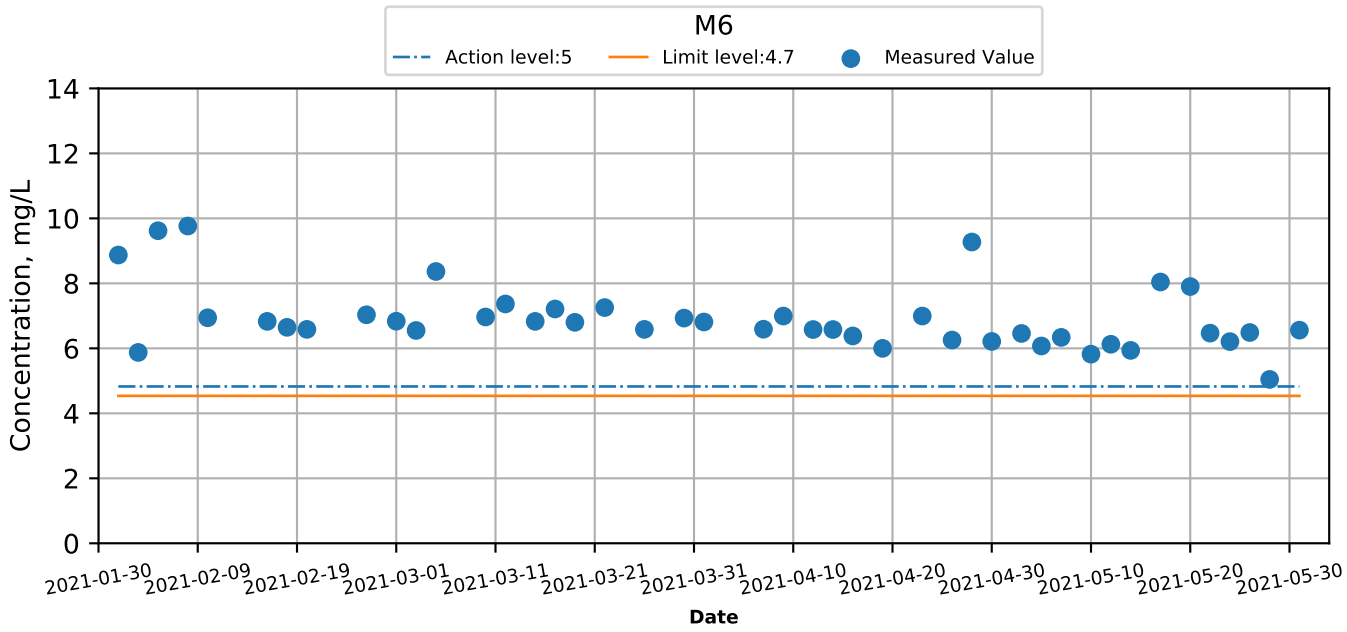
Dissolved Oxygen (Bottom) at Monitoring Stations during Mid-Flood





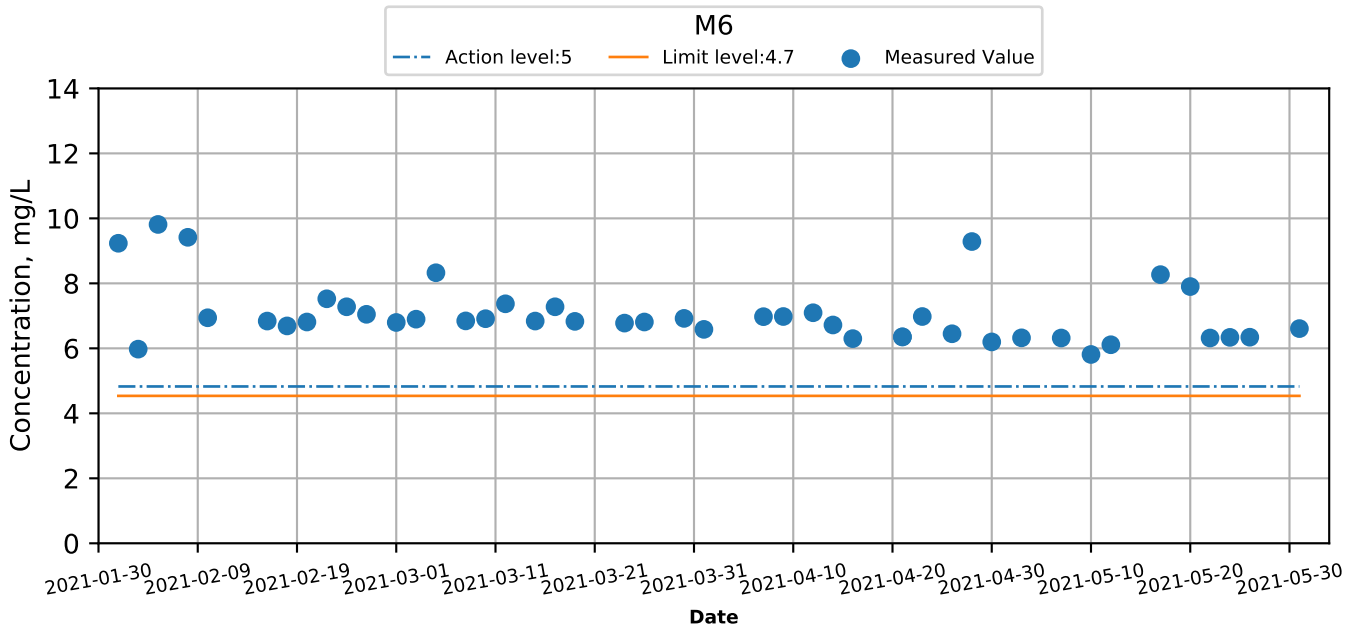
Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Dissolved Oxygen (Intake level) at Monitoring Stations during Mid-Ebb



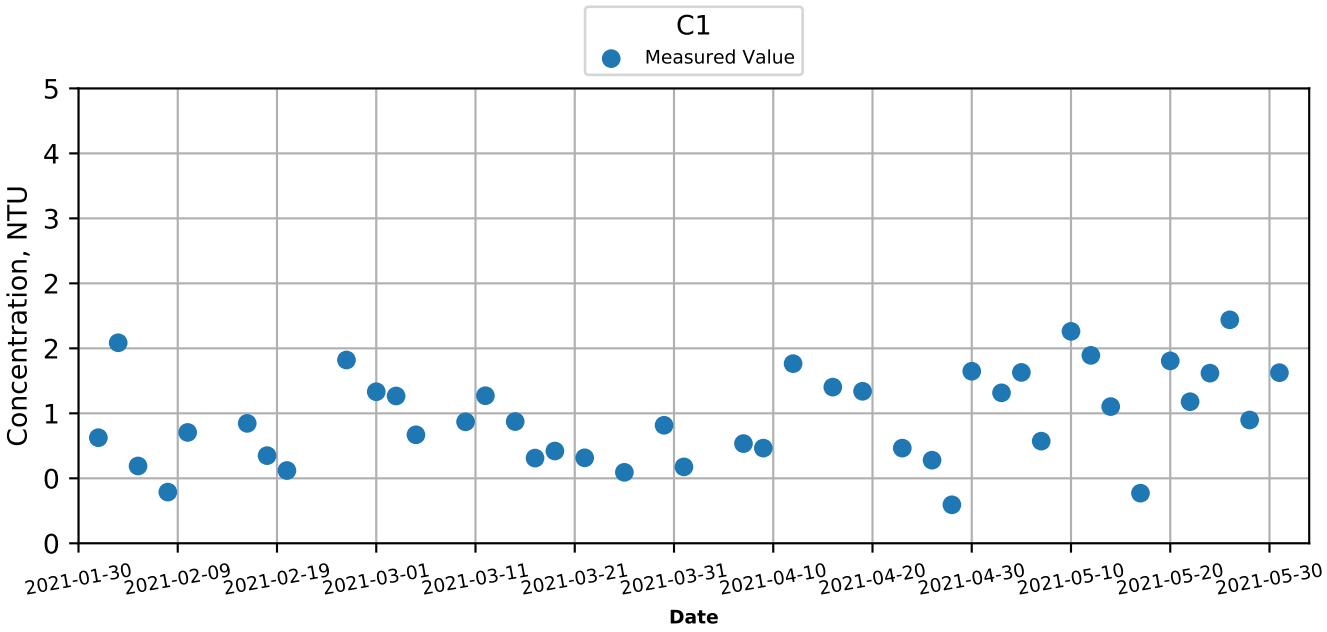
Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

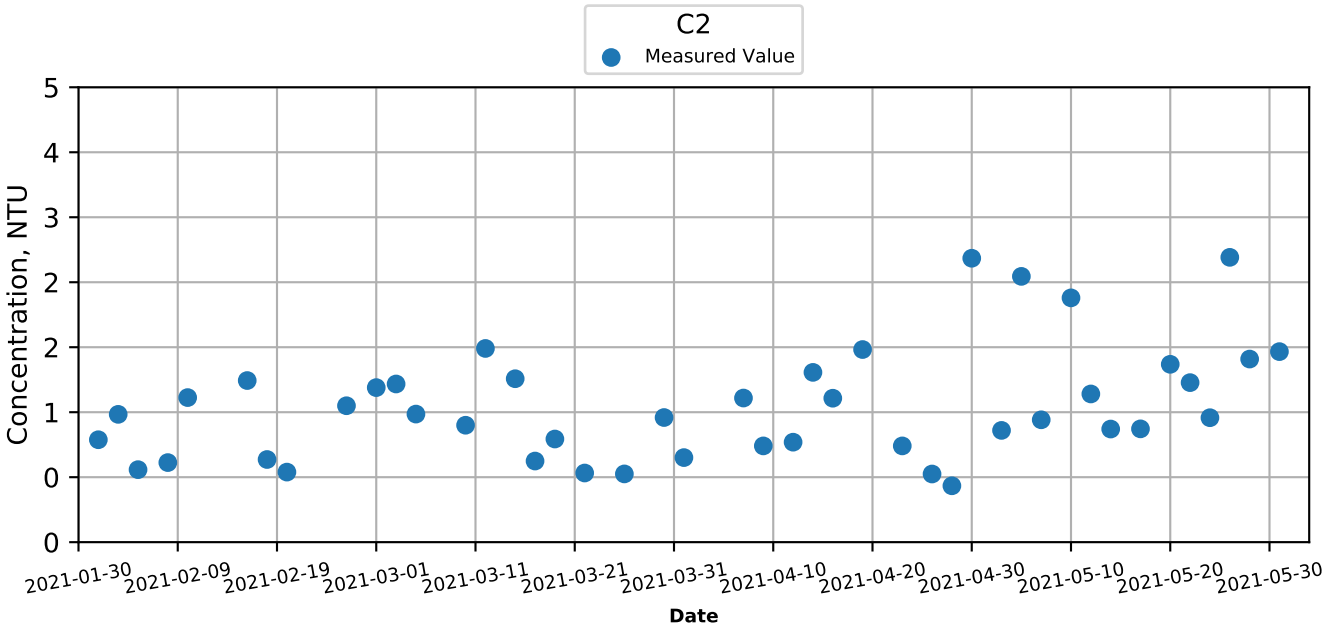
Dissolved Oxygen (Intake level) at Monitoring Stations during Mid-Flood

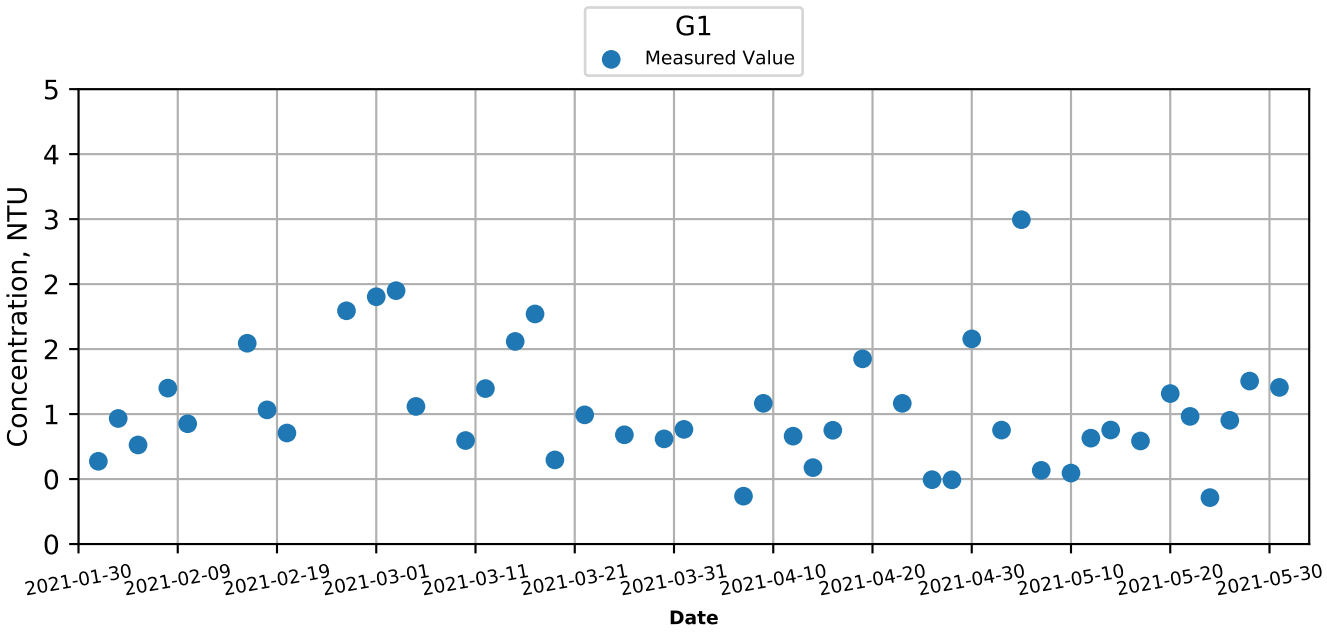


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Depth-Averaged) at Monitoring Stations during Mid-Ebb

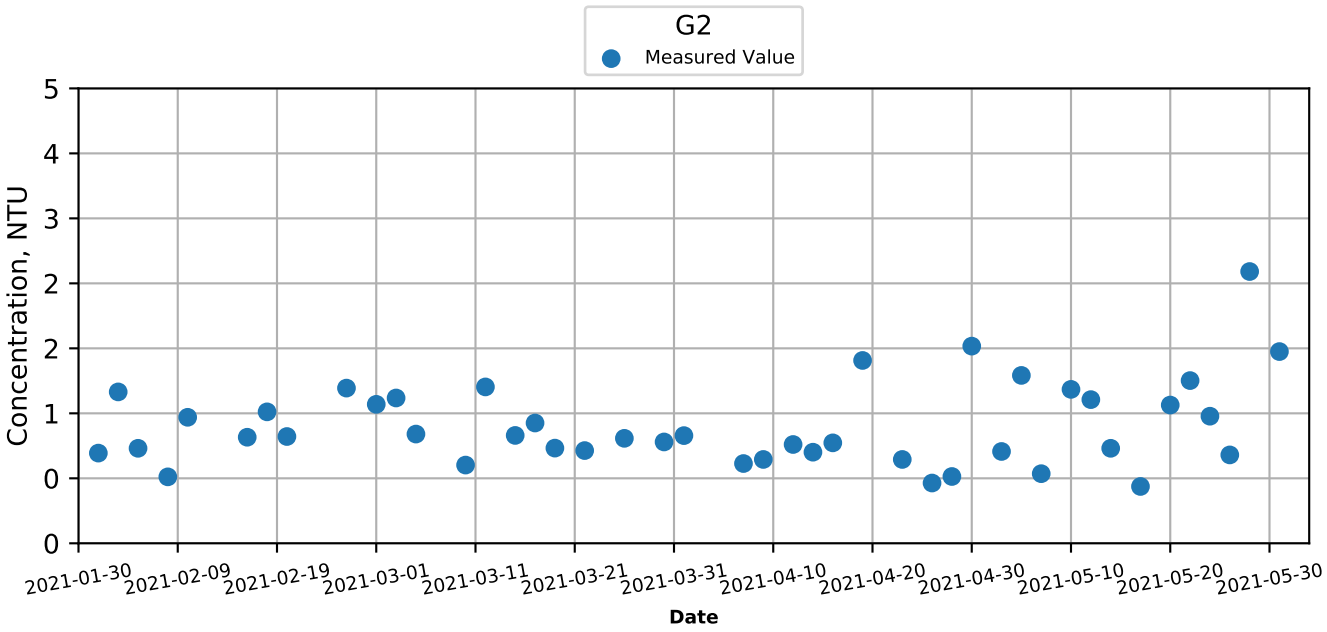


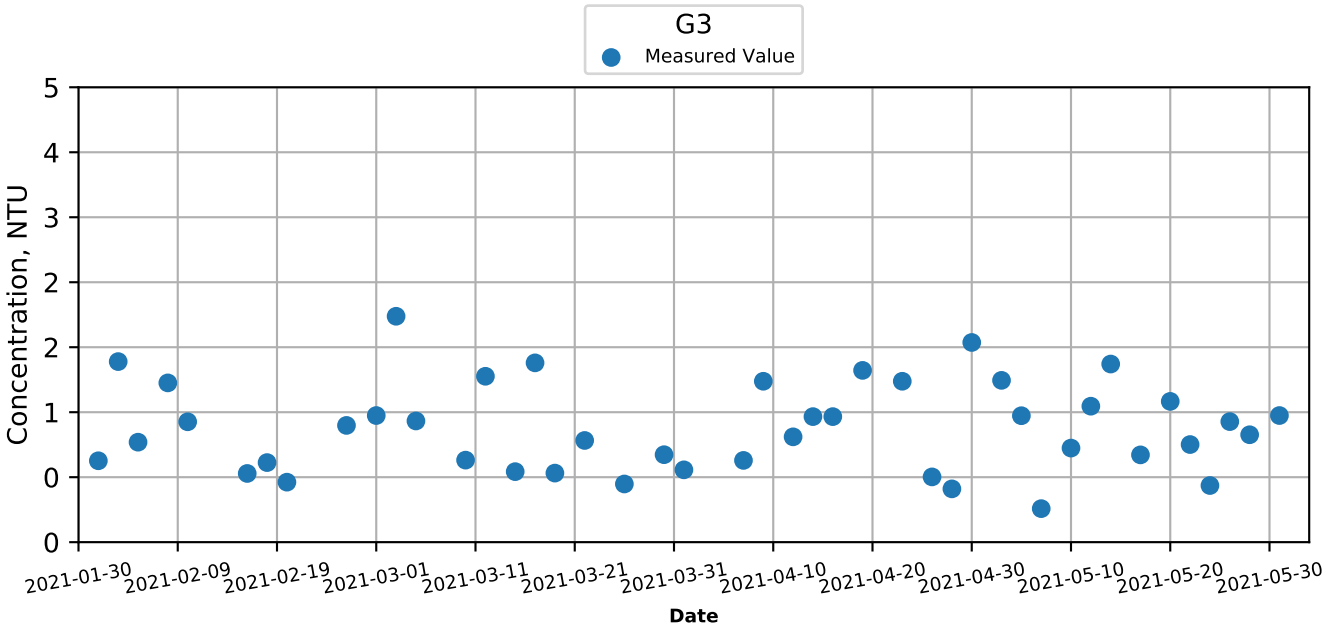


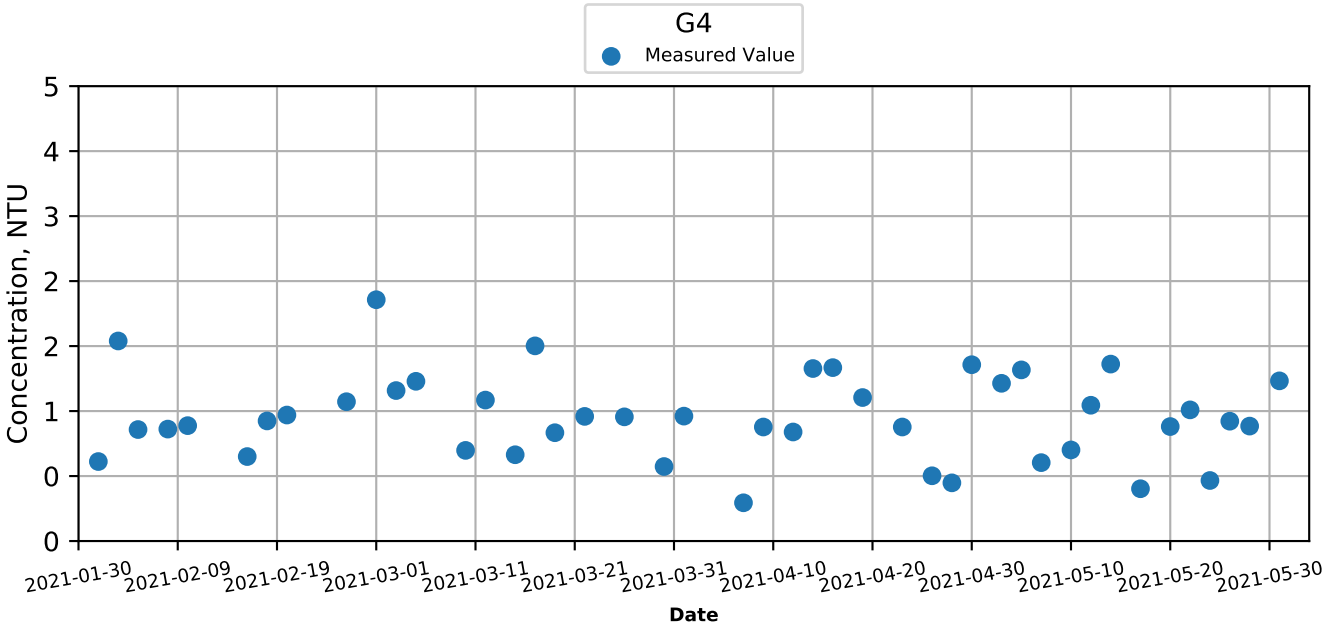


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Depth-Averaged) at Monitoring Stations during Mid-Ebb

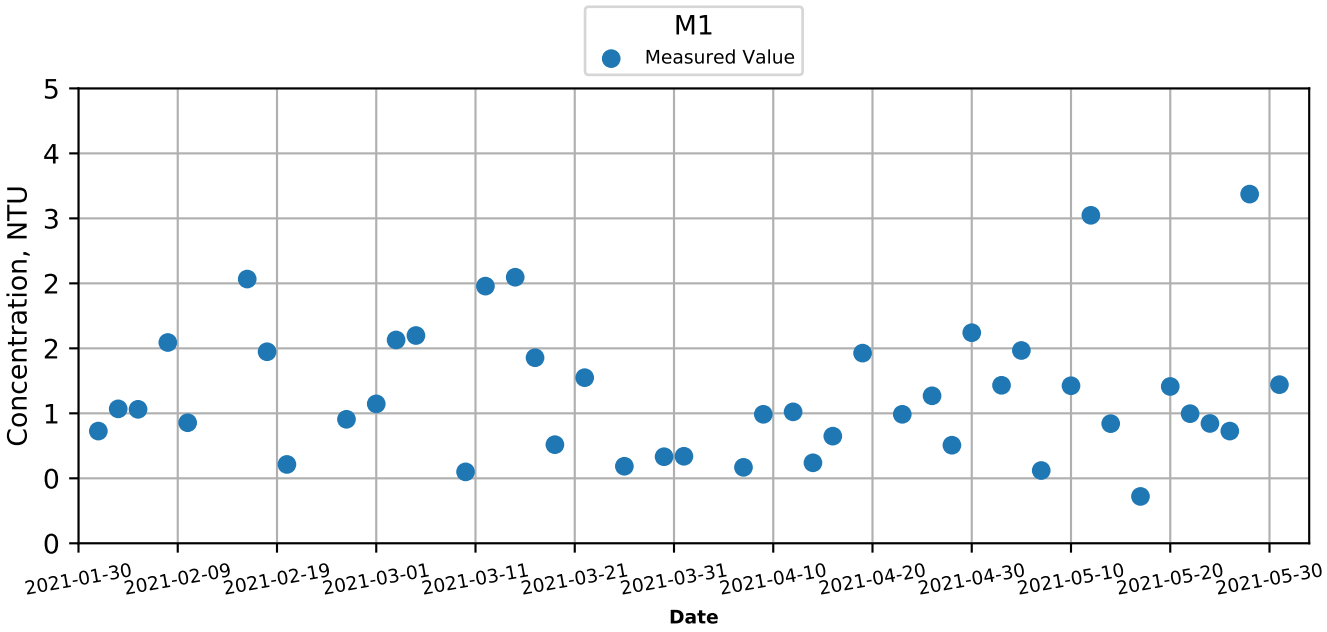


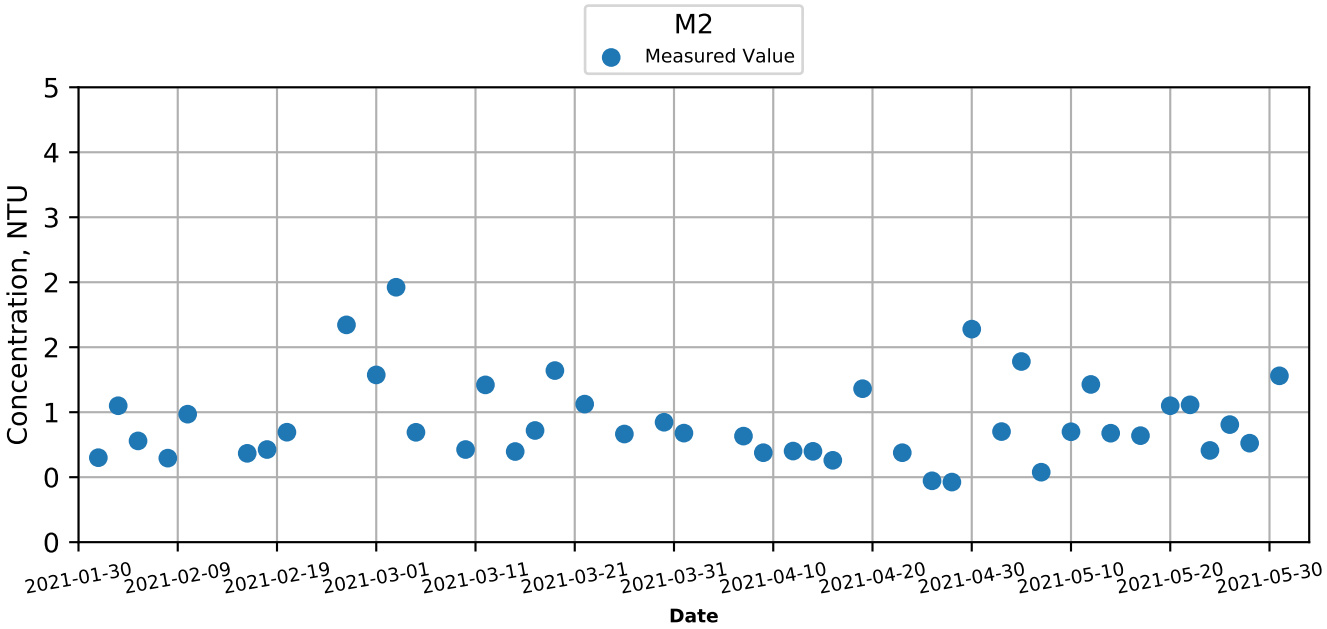


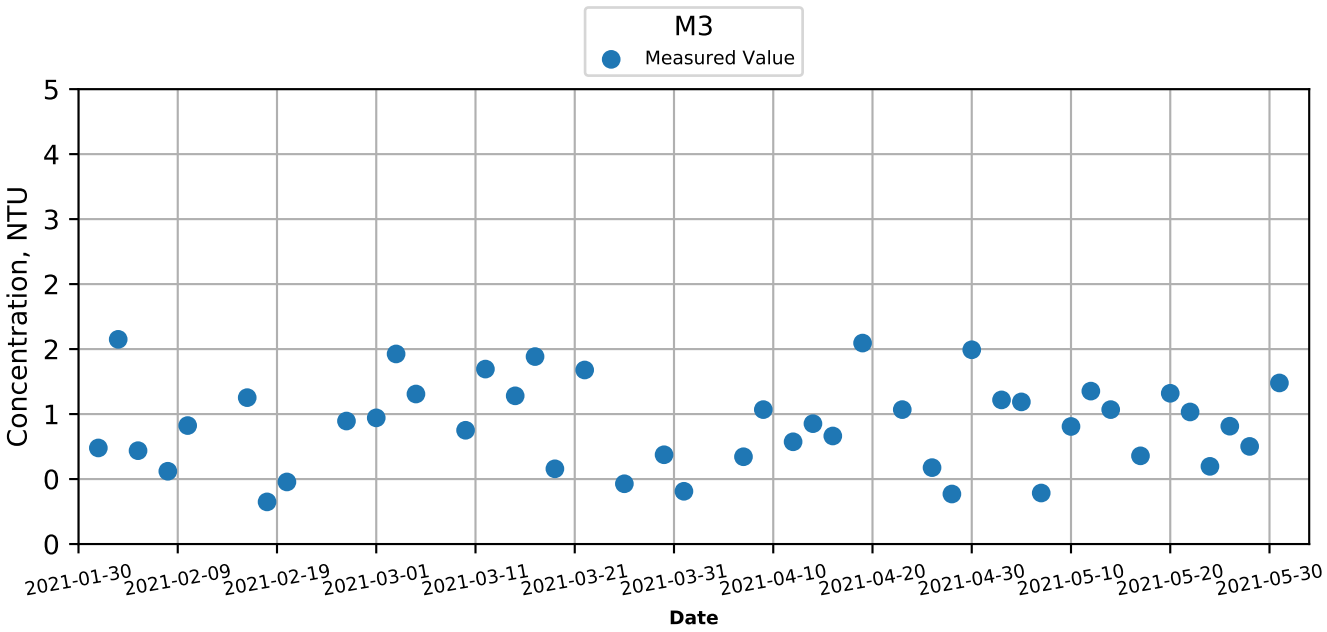


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Depth-Averaged) at Monitoring Stations during Mid-Ebb

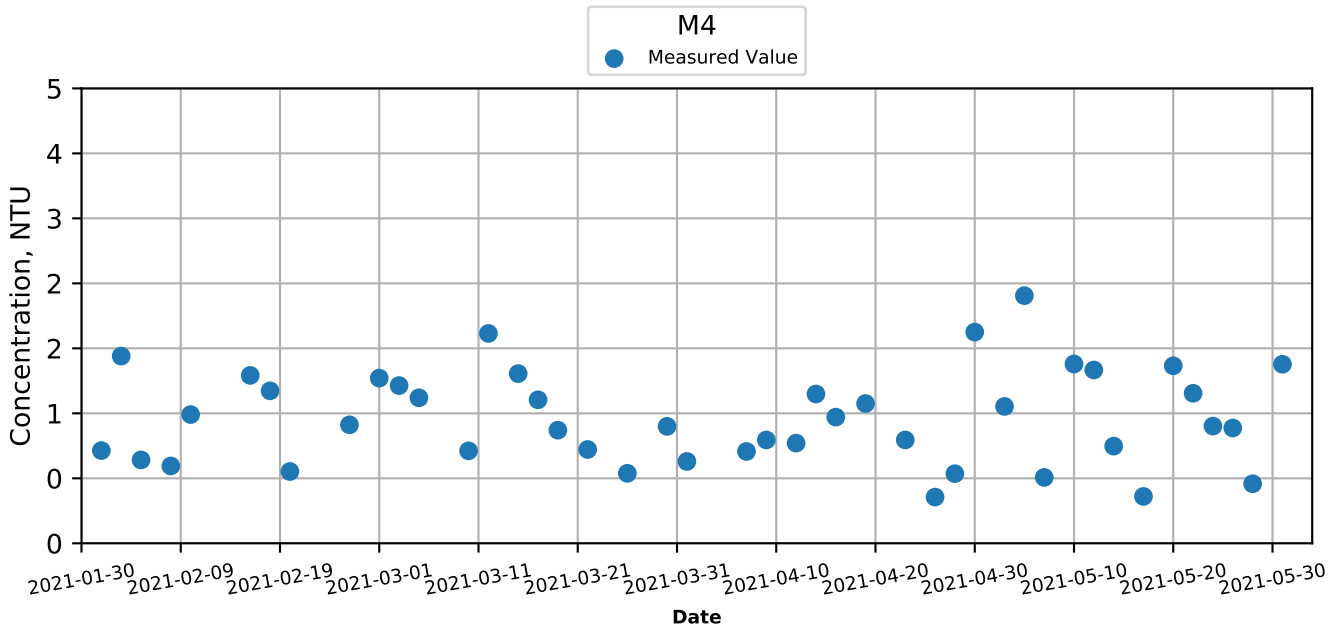


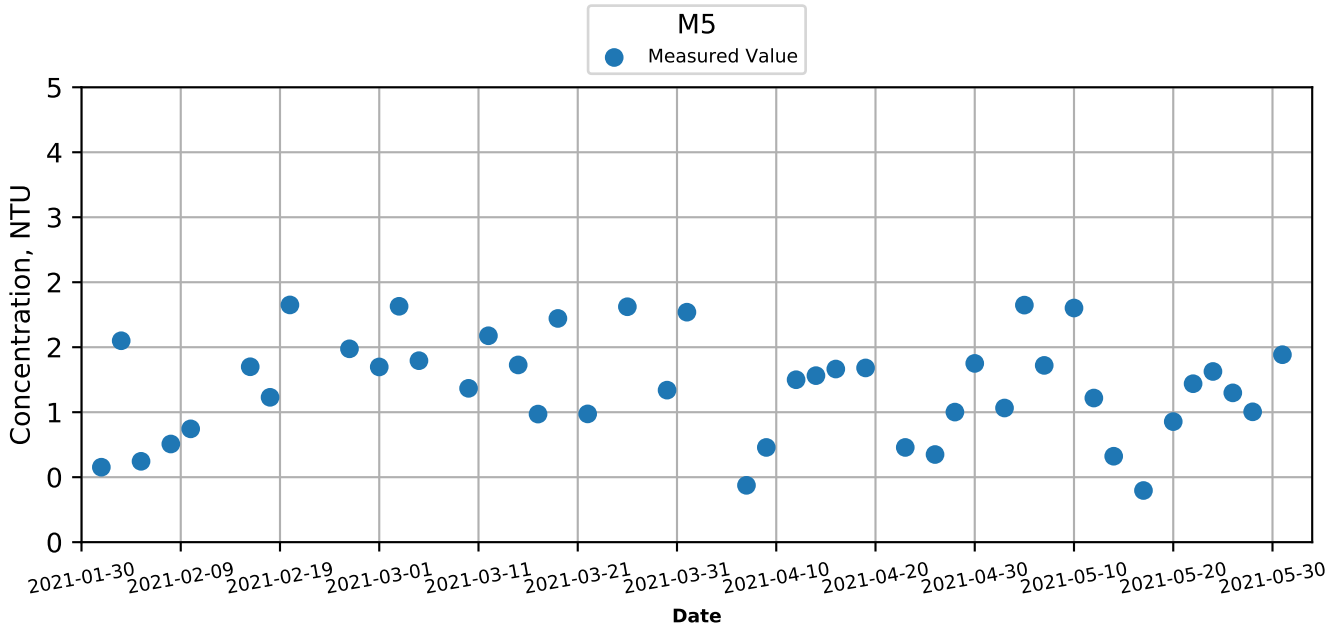




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

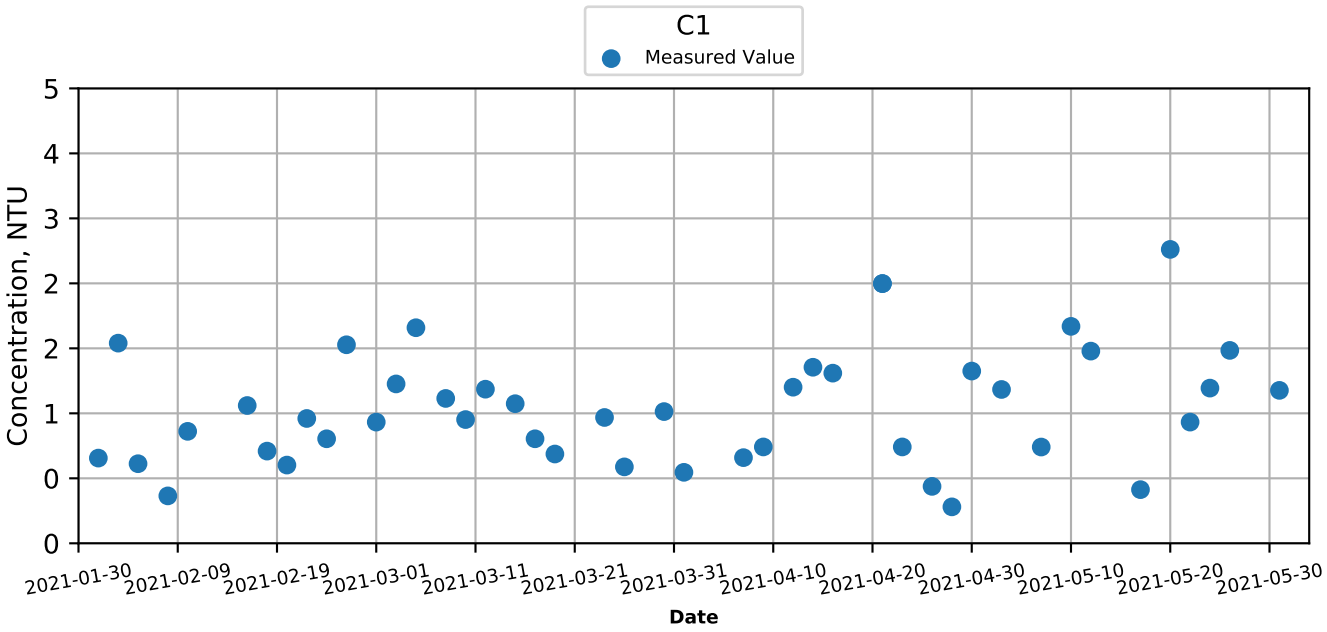
Turbidity (Depth-Averaged) at Monitoring Stations during Mid-Ebb

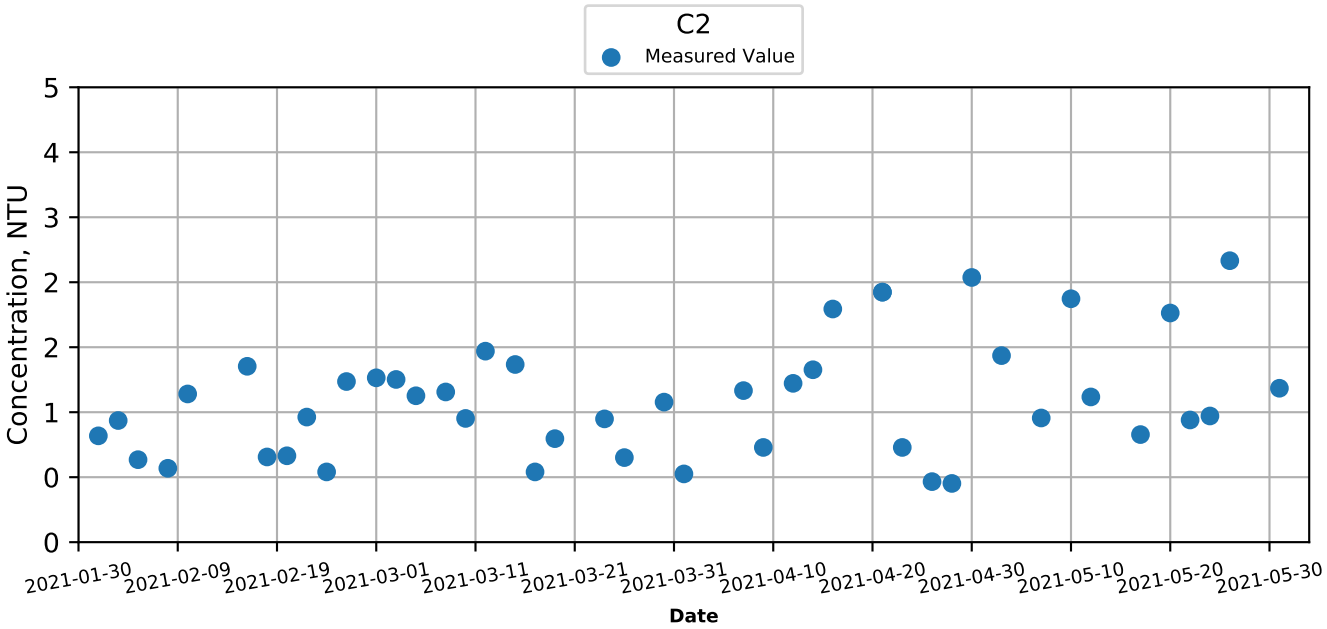


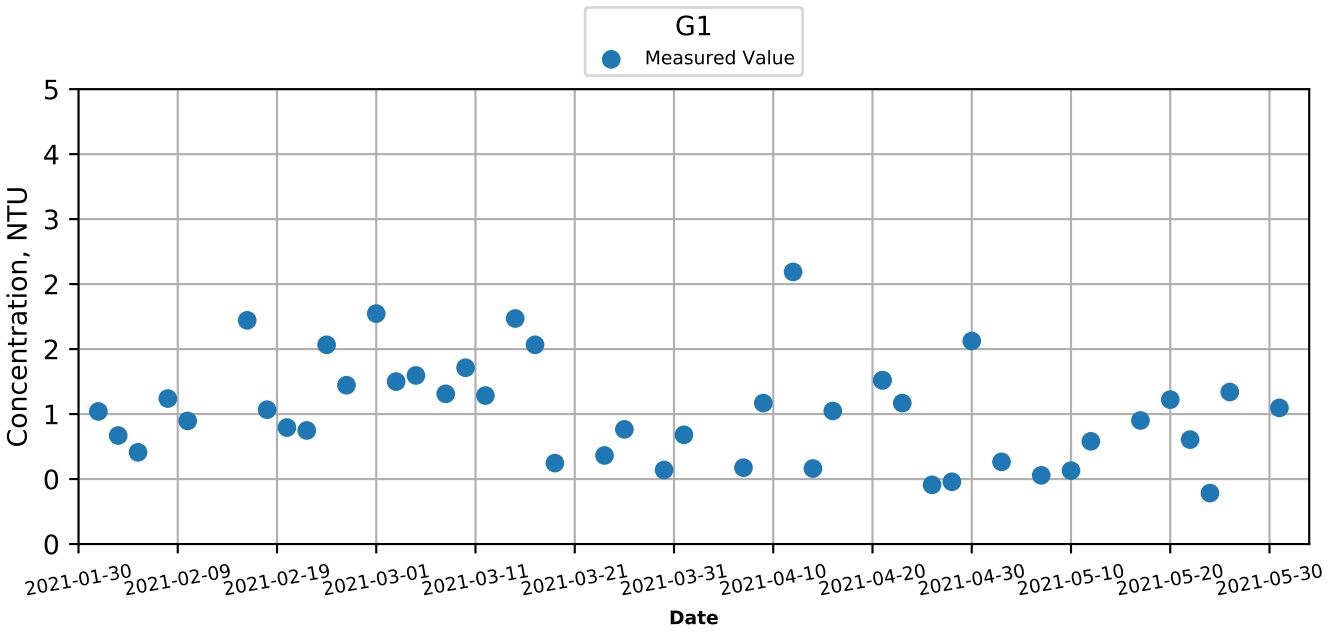


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Depth-Averaged) at Monitoring Stations during Mid-Flood

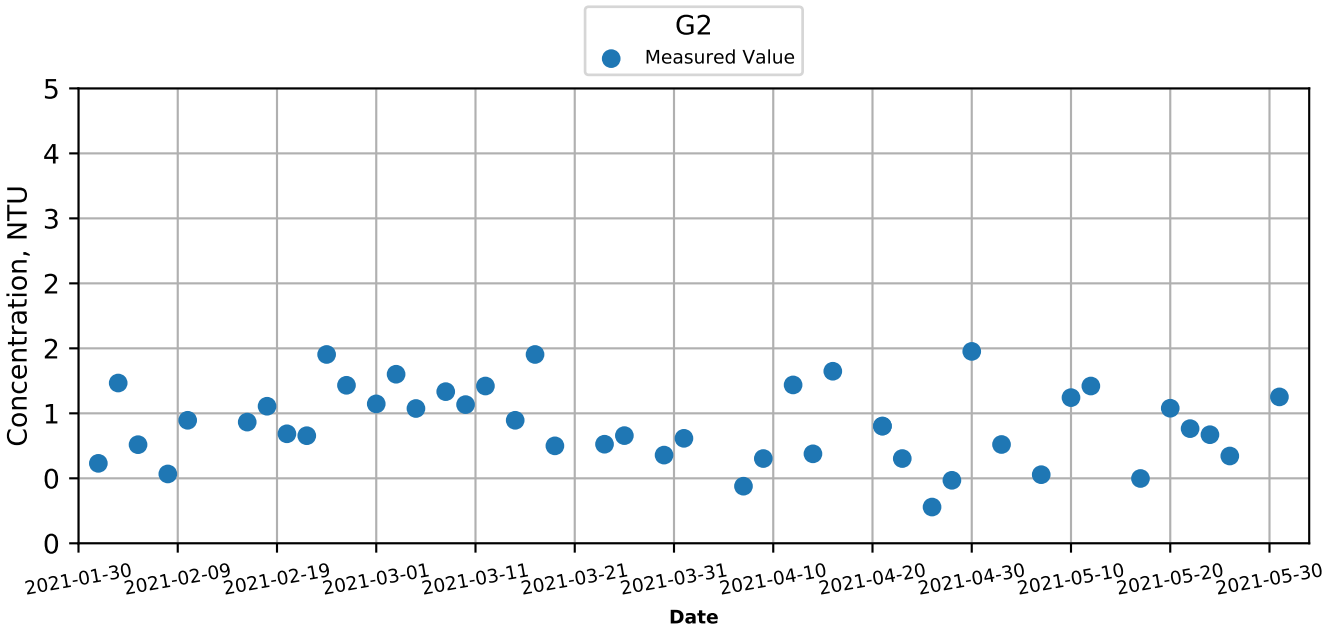


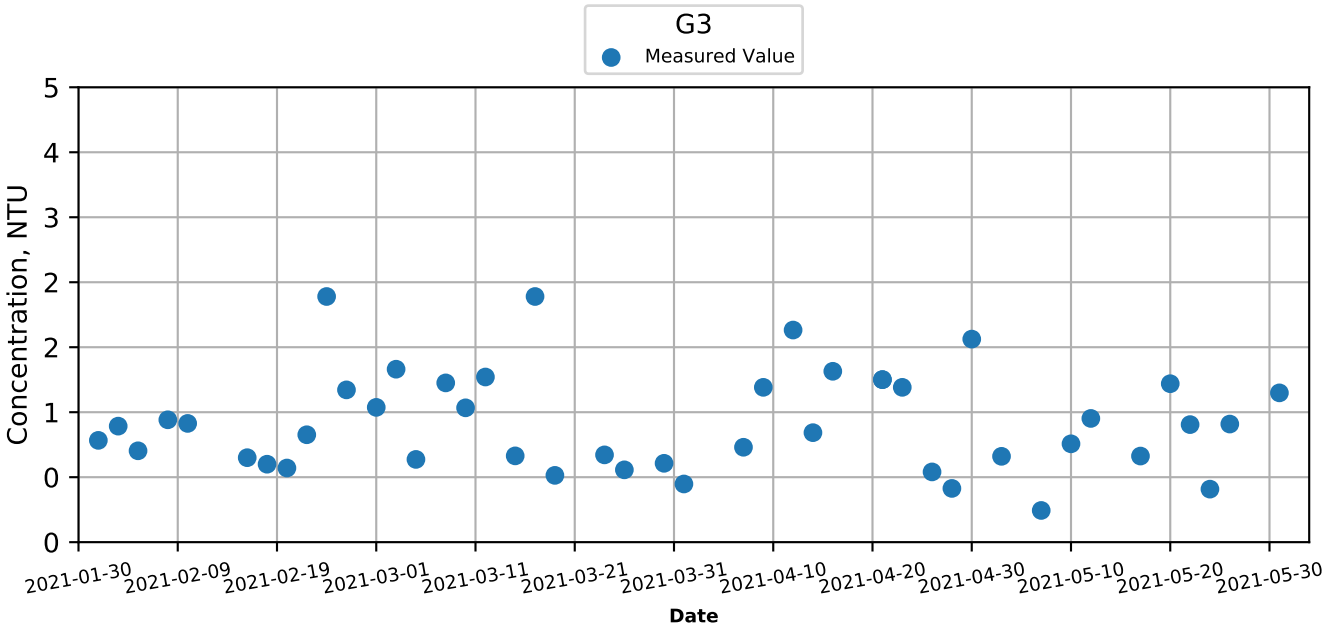


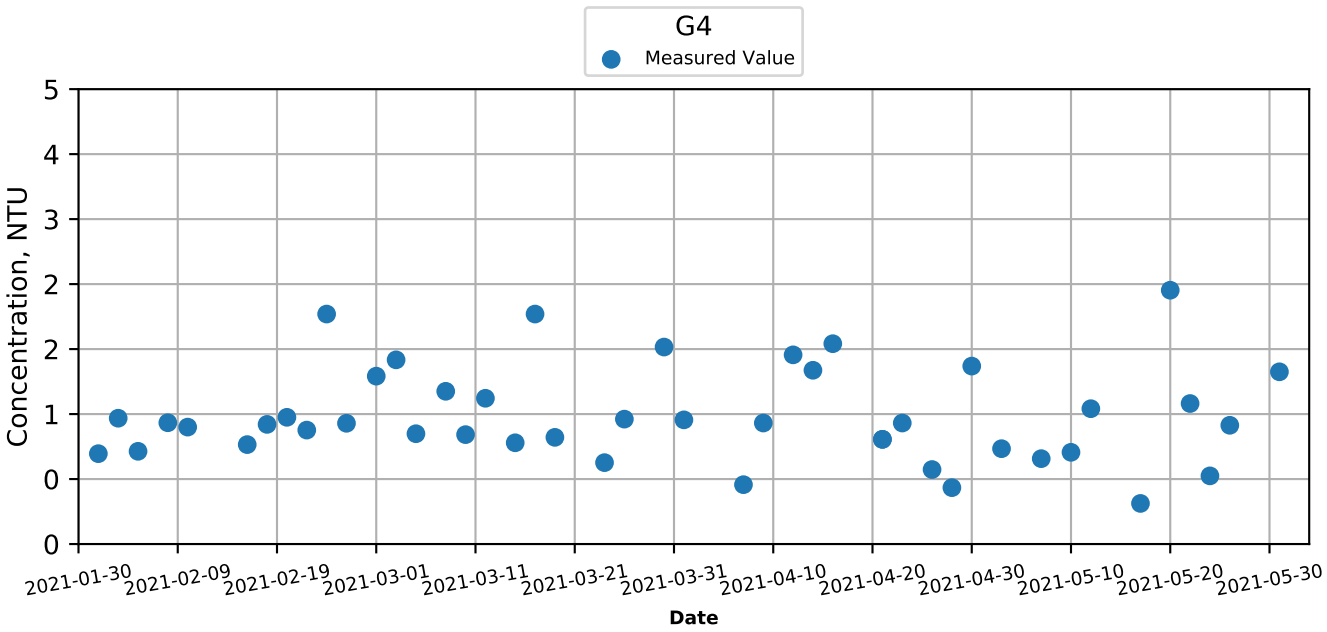


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Depth-Averaged) at Monitoring Stations during Mid-Flood

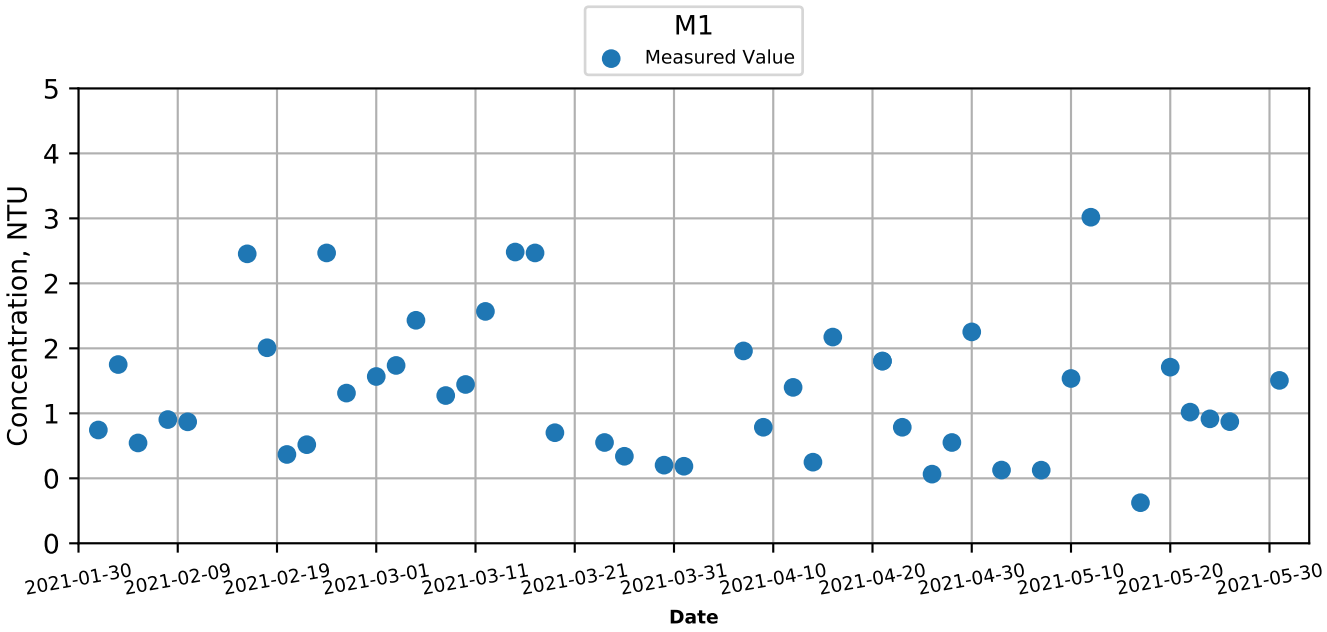


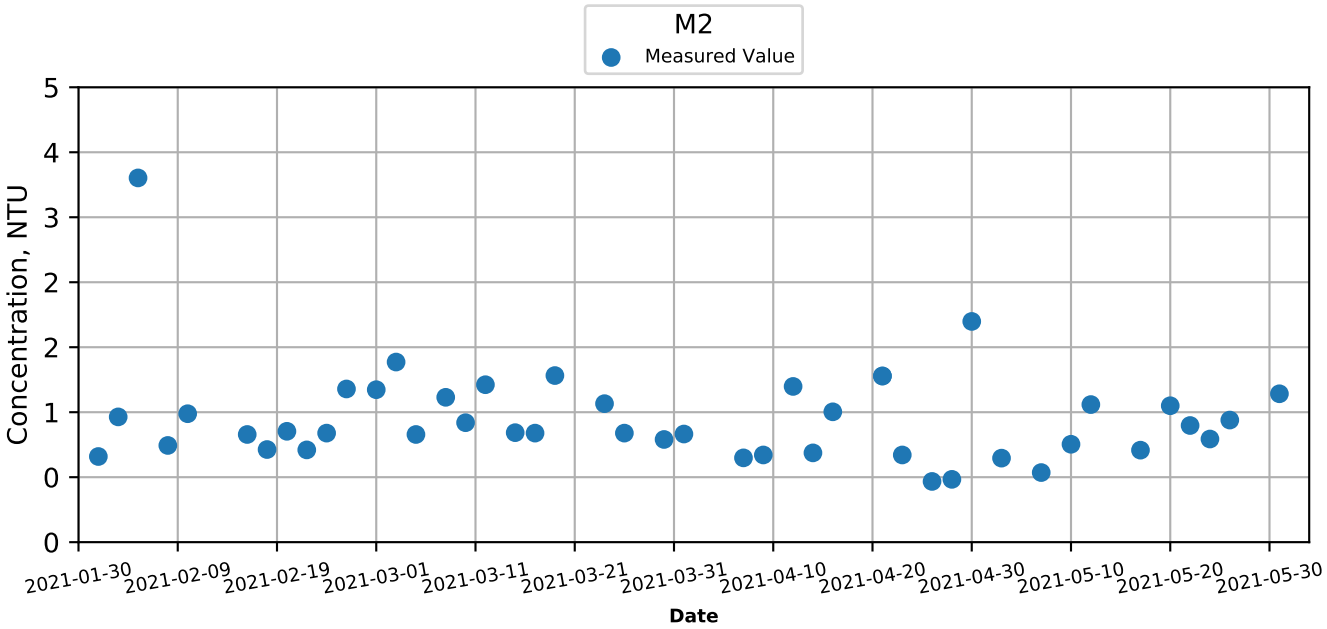


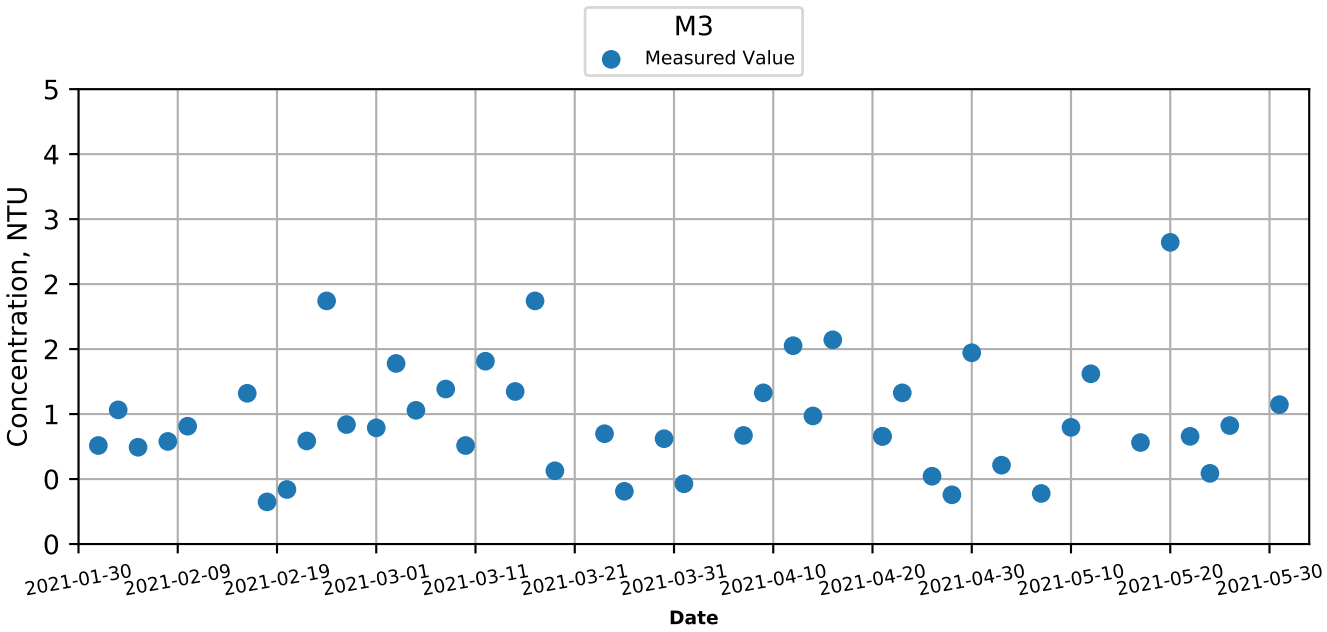


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Depth-Averaged) at Monitoring Stations during Mid-Flood

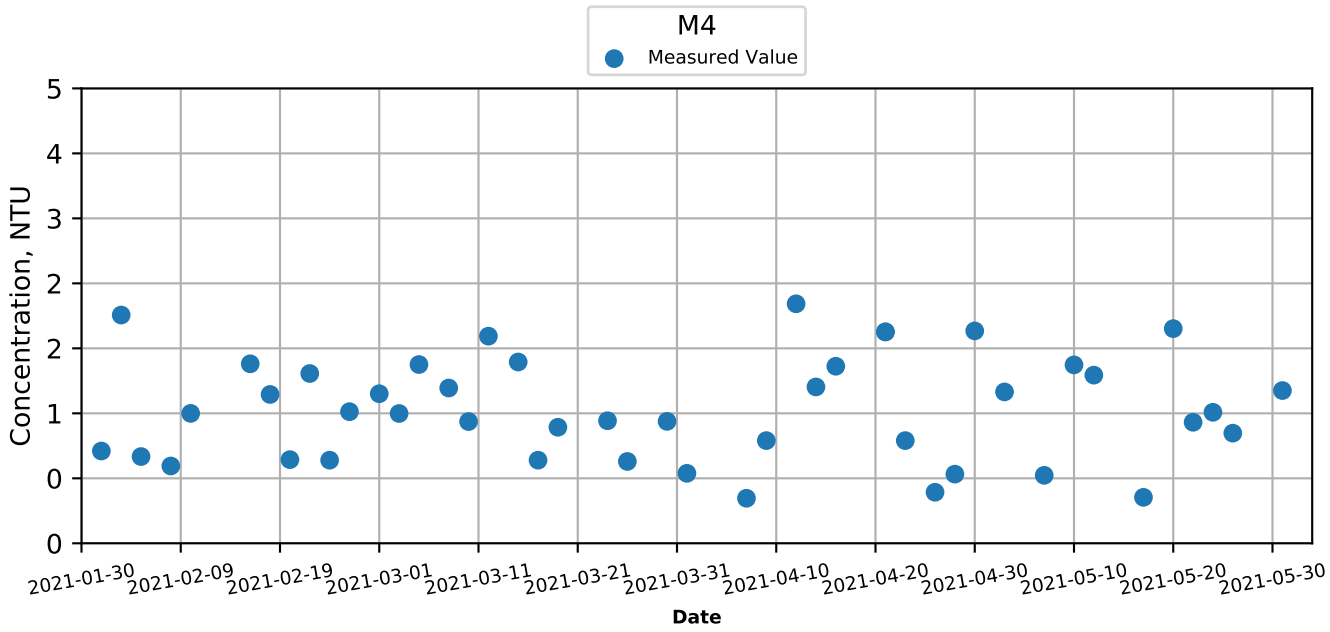


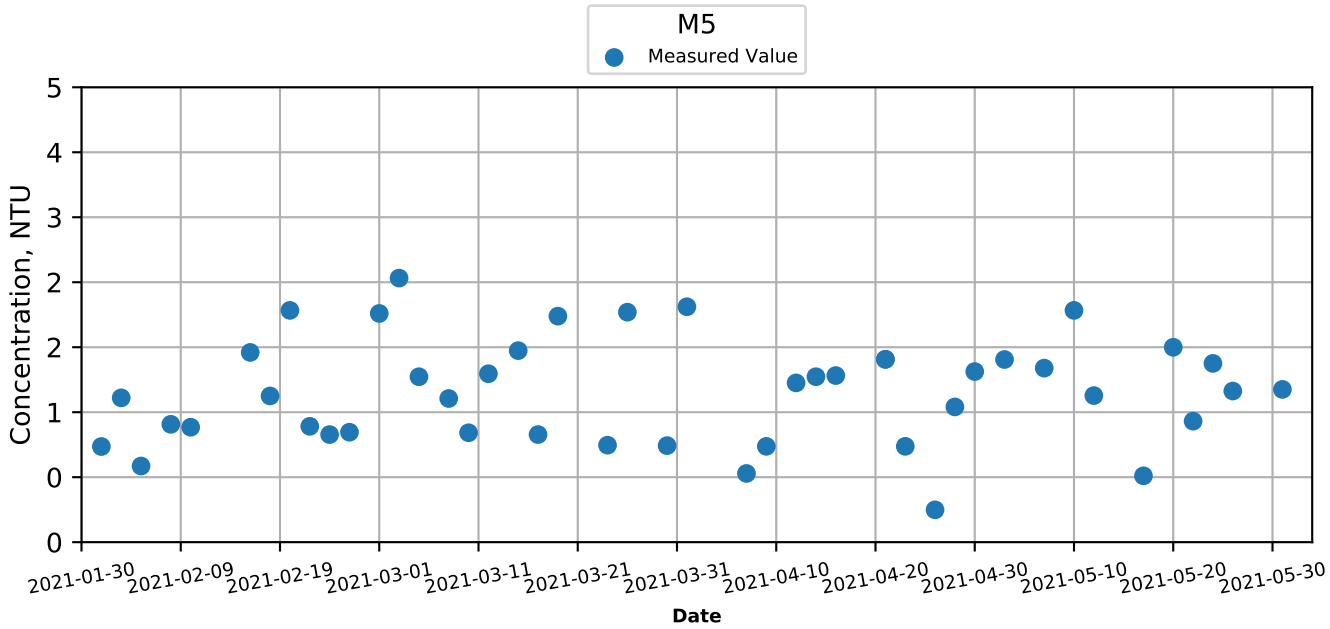




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

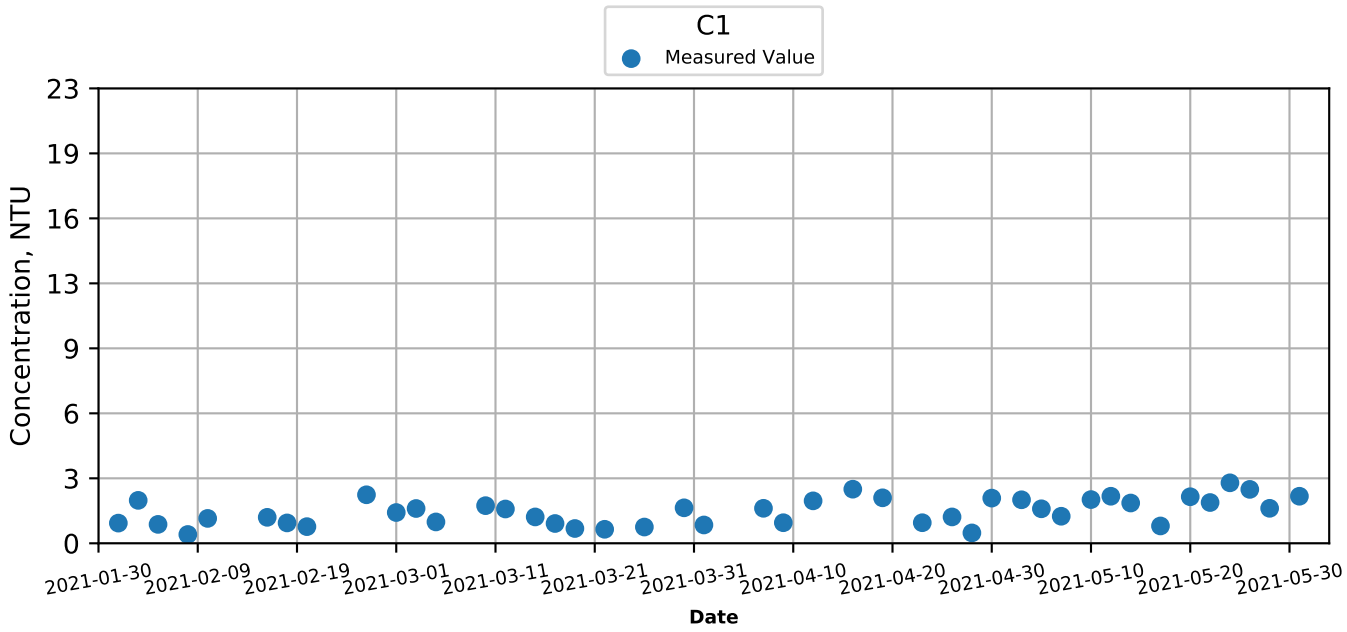
Turbidity (Depth-Averaged) at Monitoring Stations during Mid-Flood

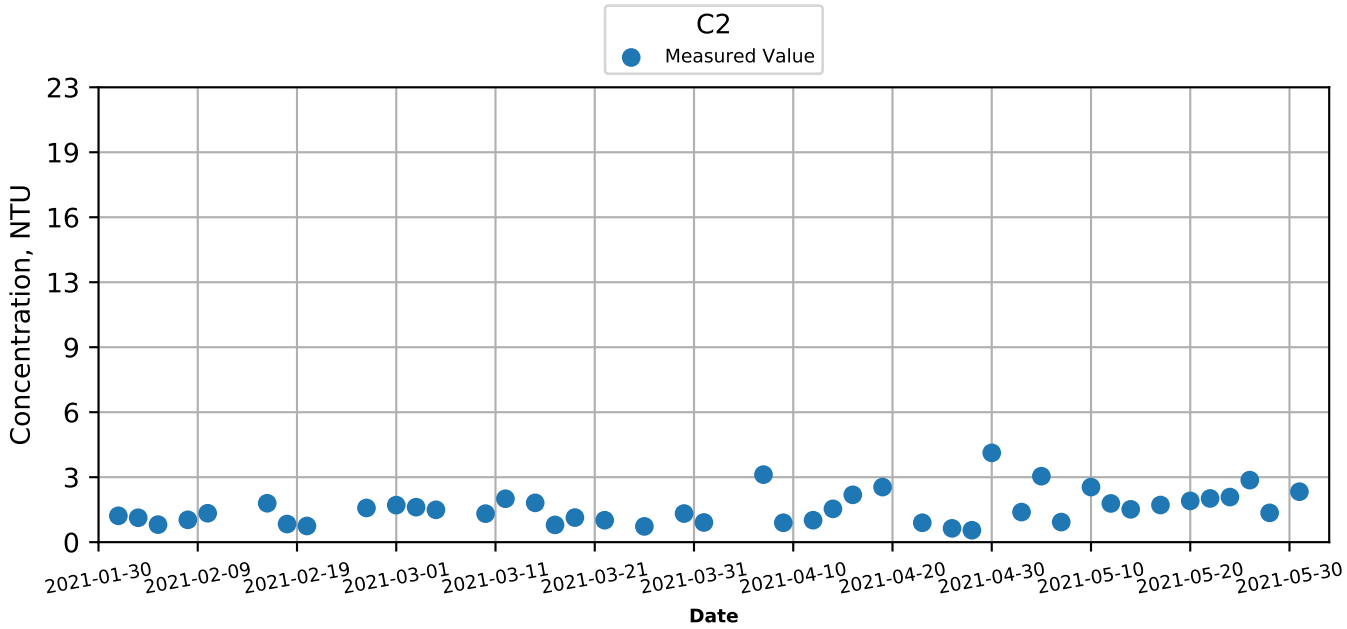


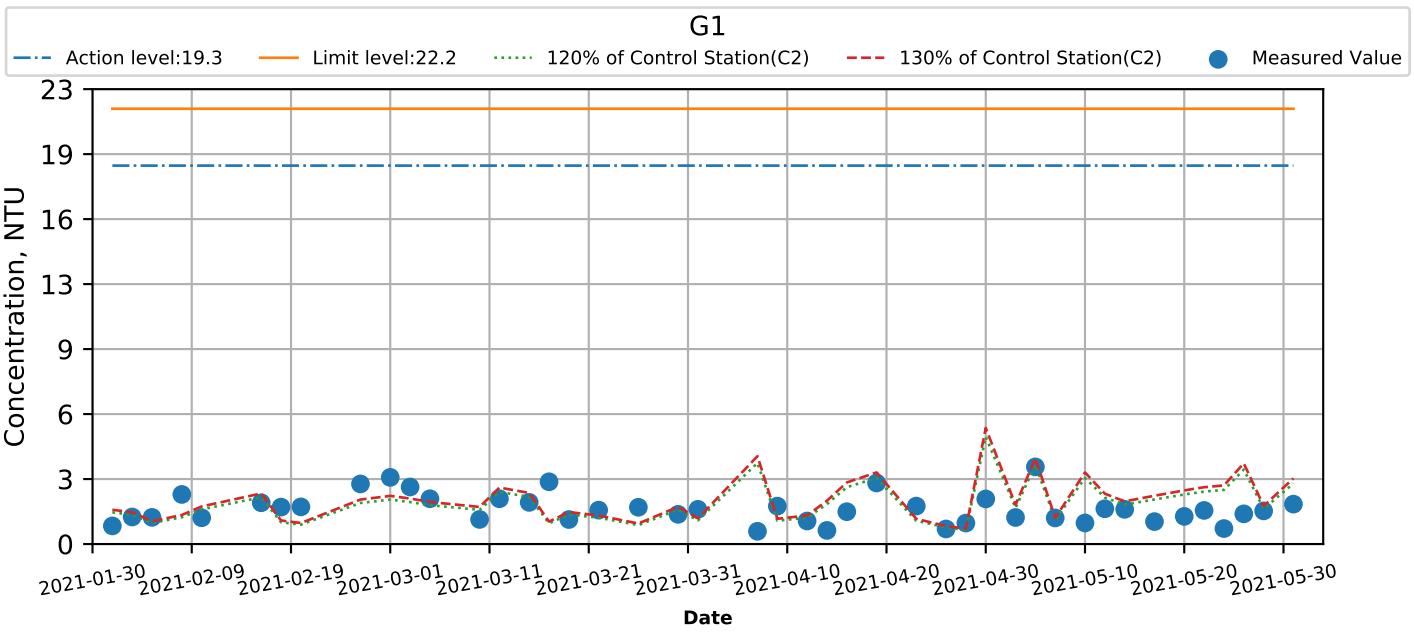


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Bottom) at Monitoring Stations during Mid-Ebb

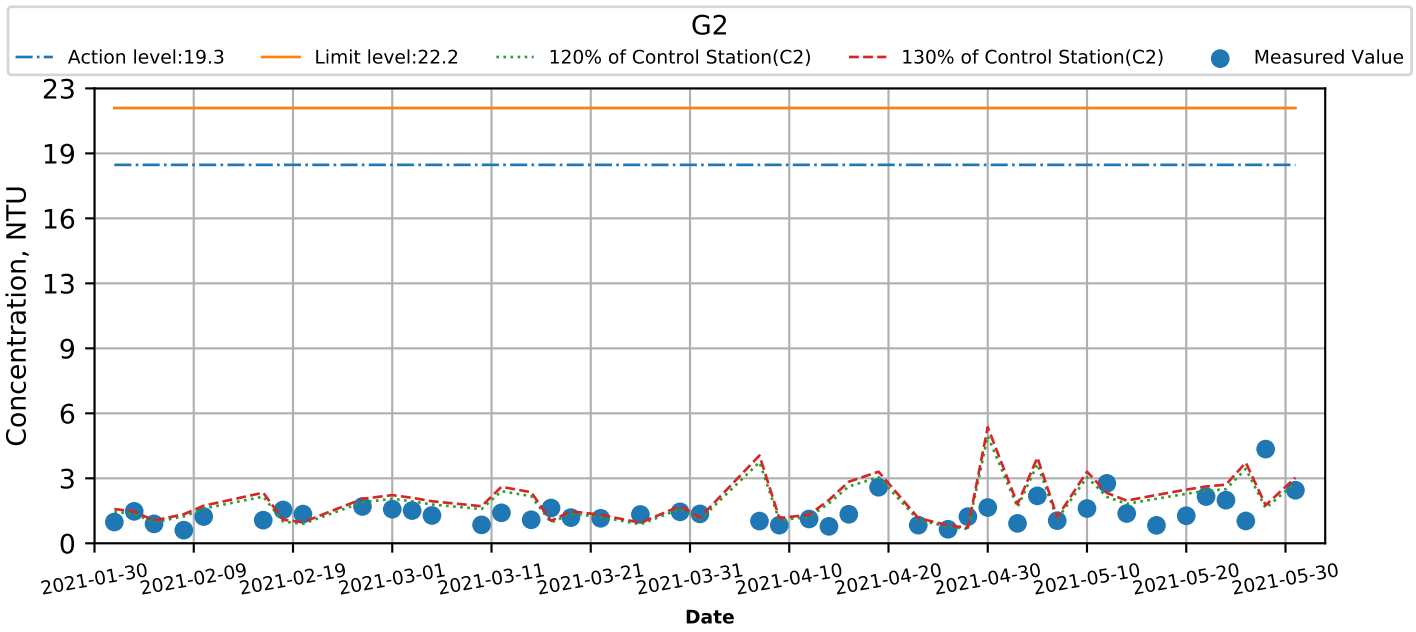


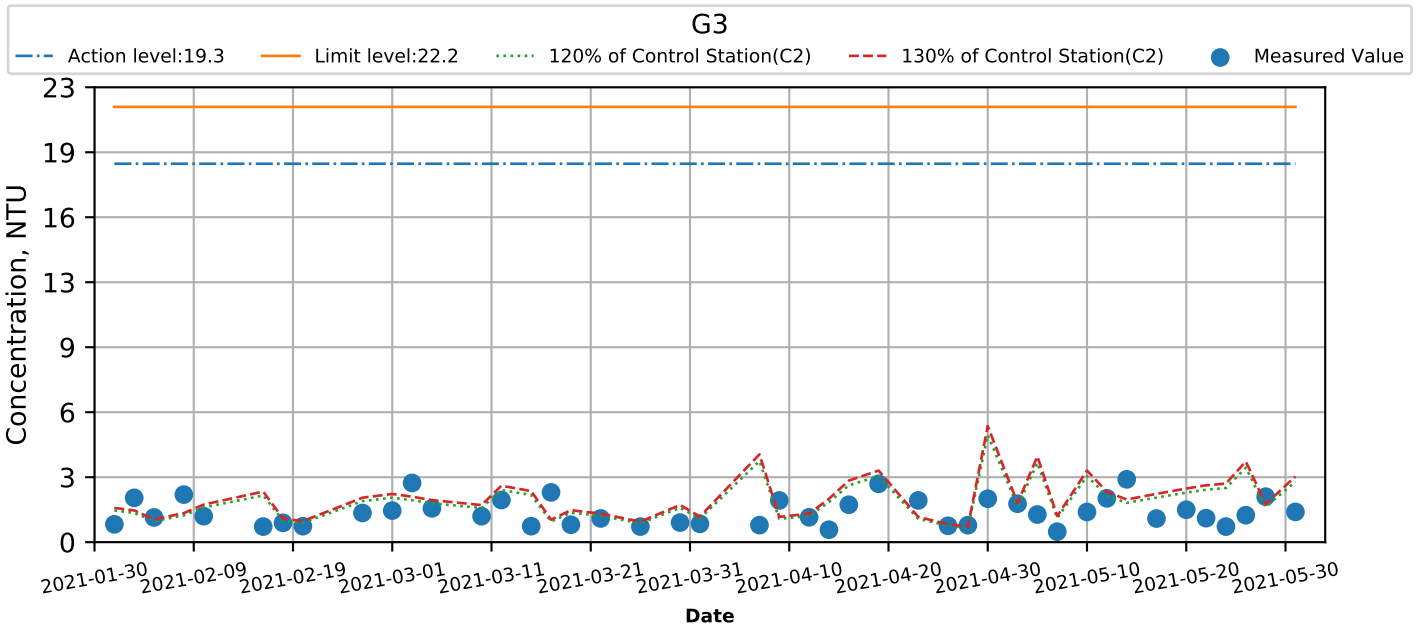


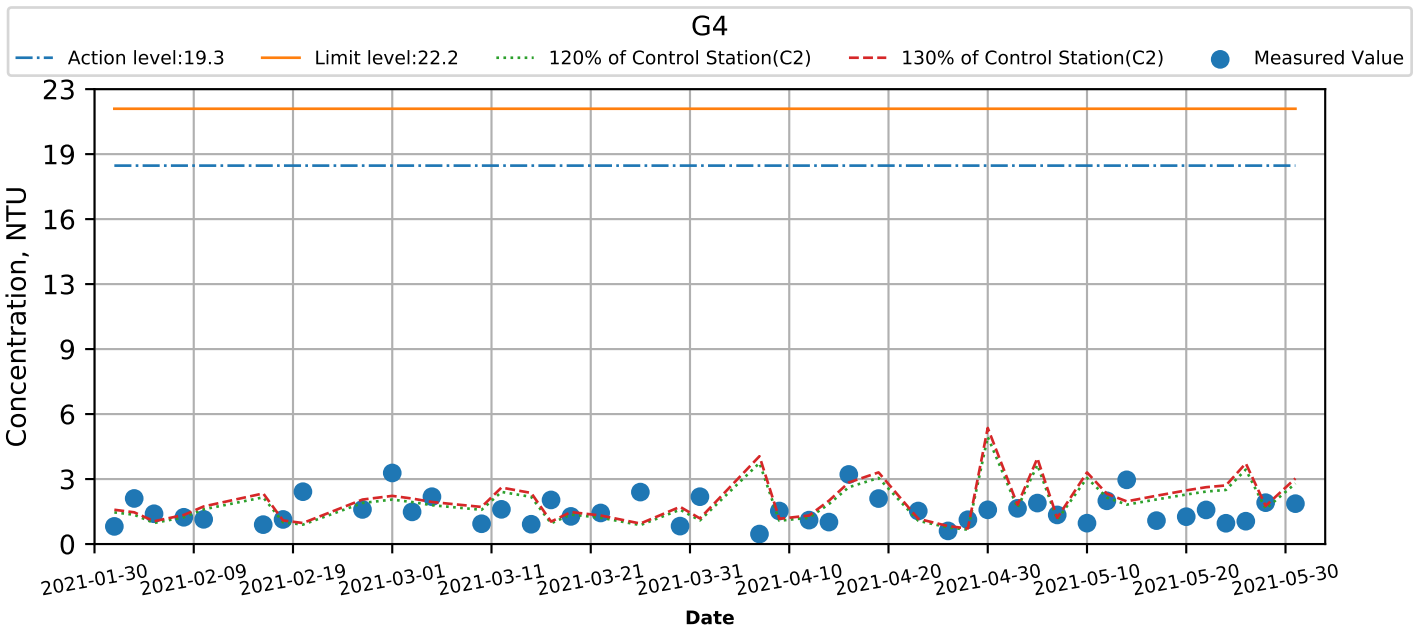


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Bottom) at Monitoring Stations during Mid-Ebb

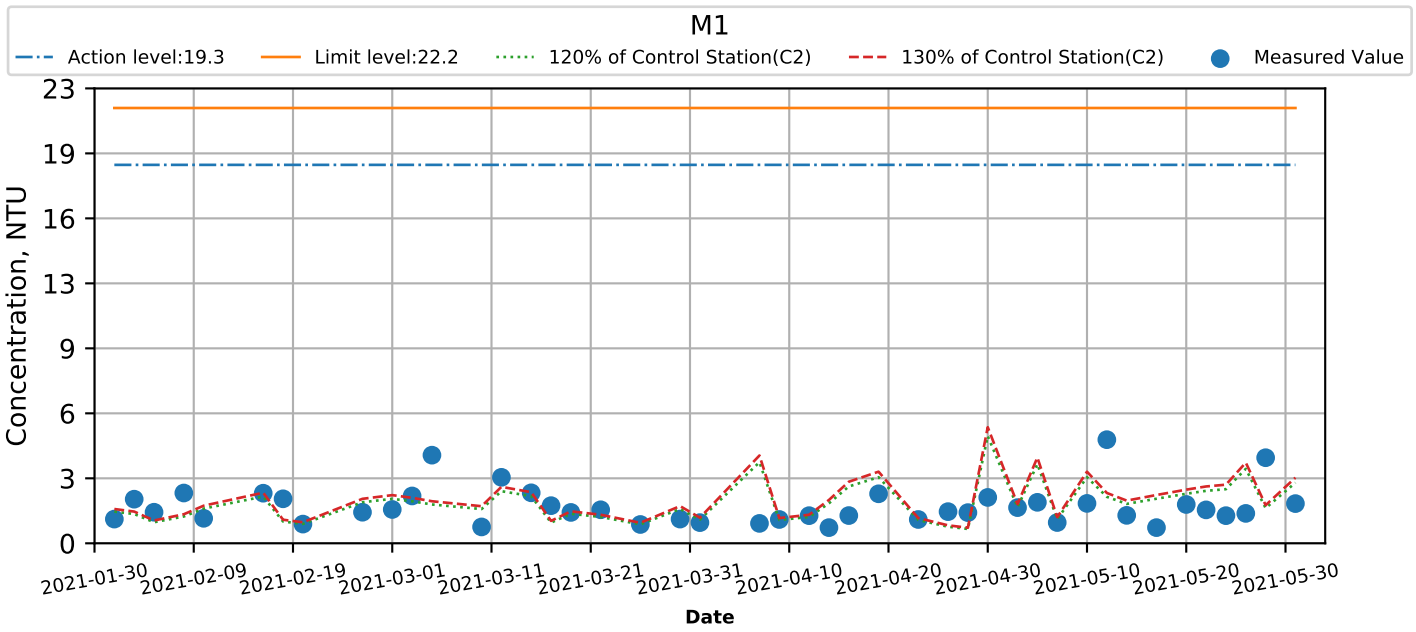


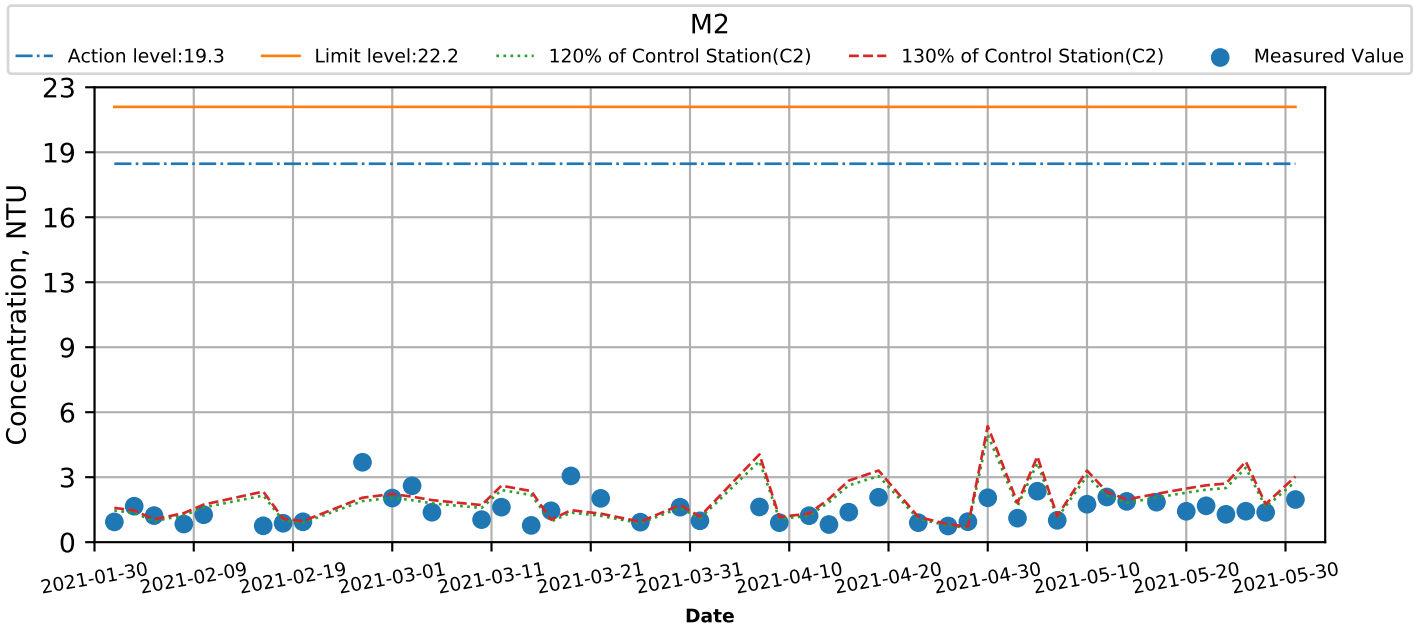


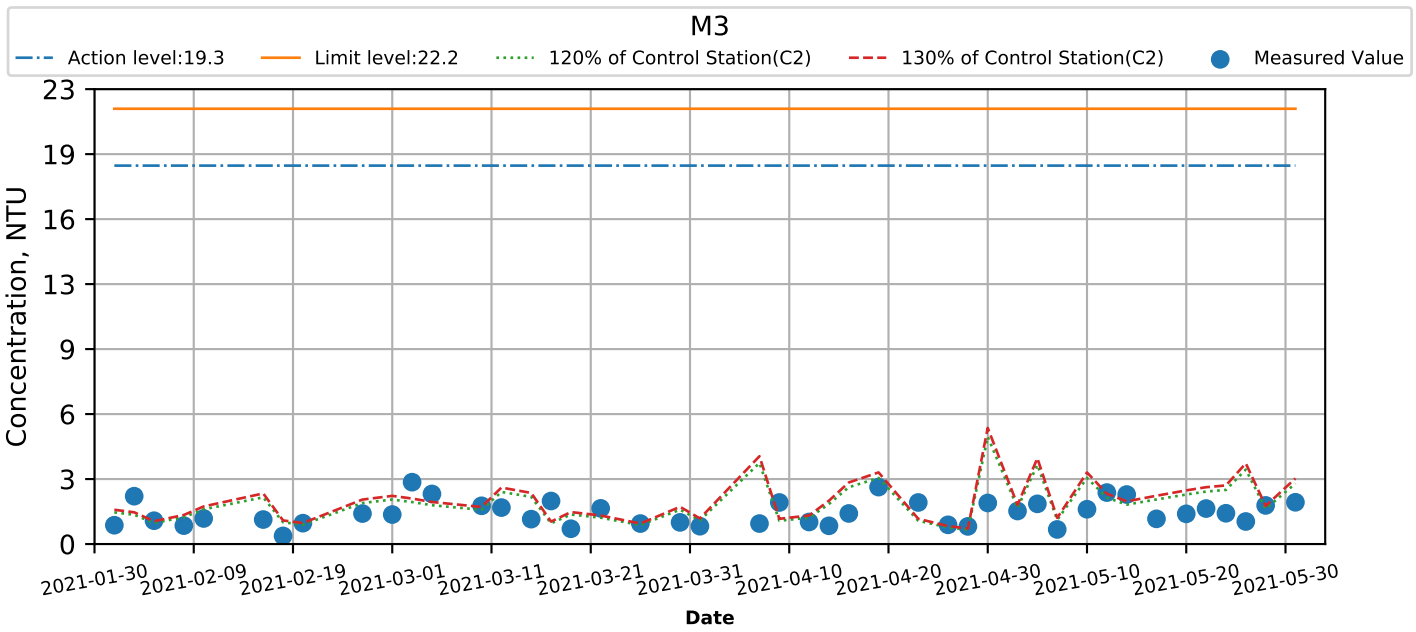


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Bottom) at Monitoring Stations during Mid-Ebb

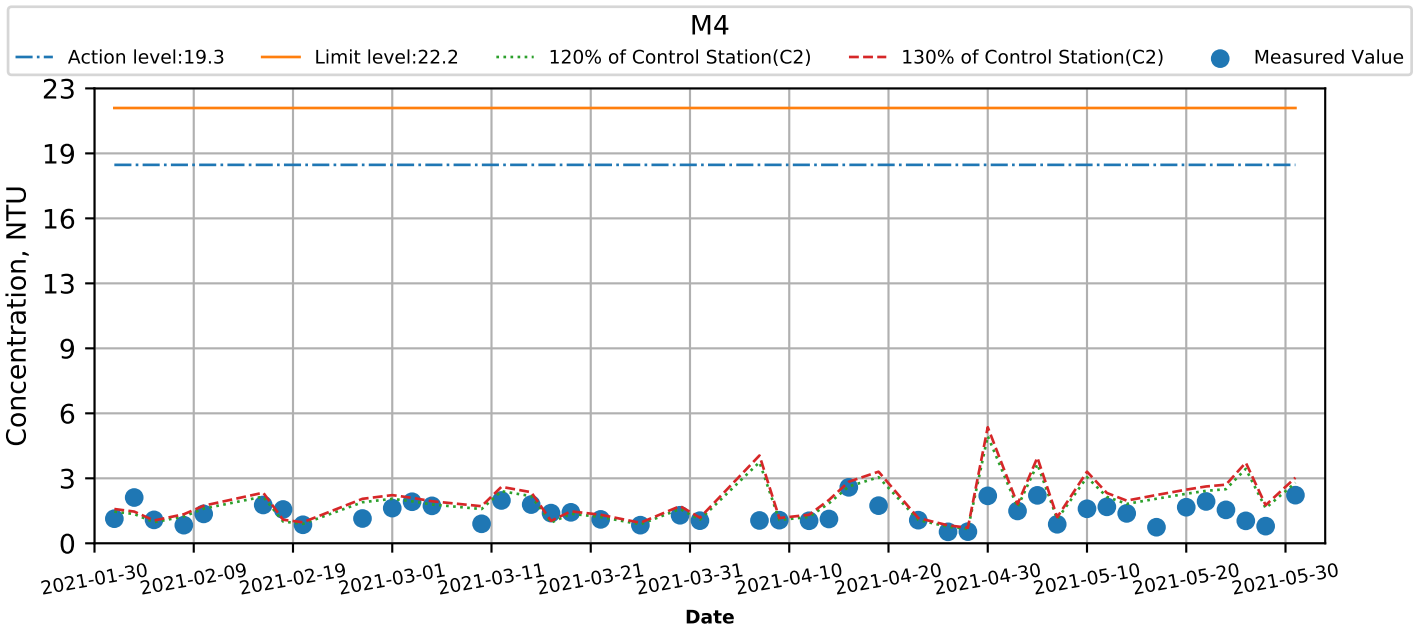


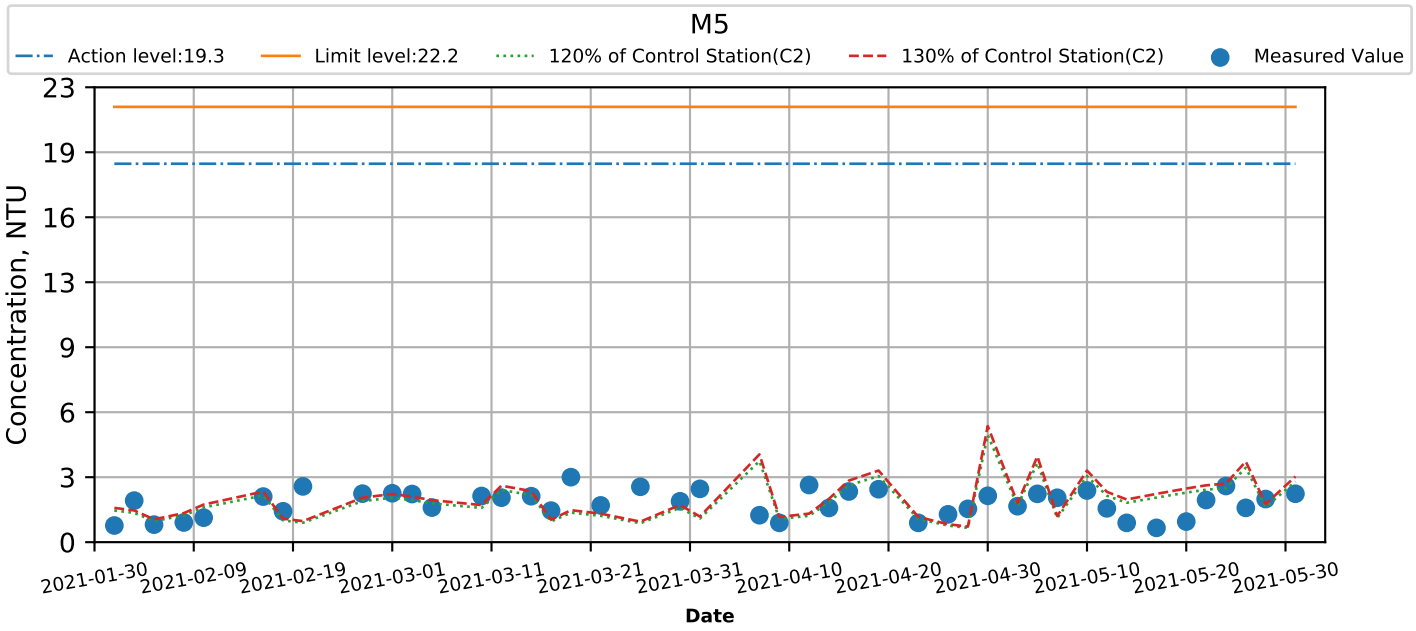




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

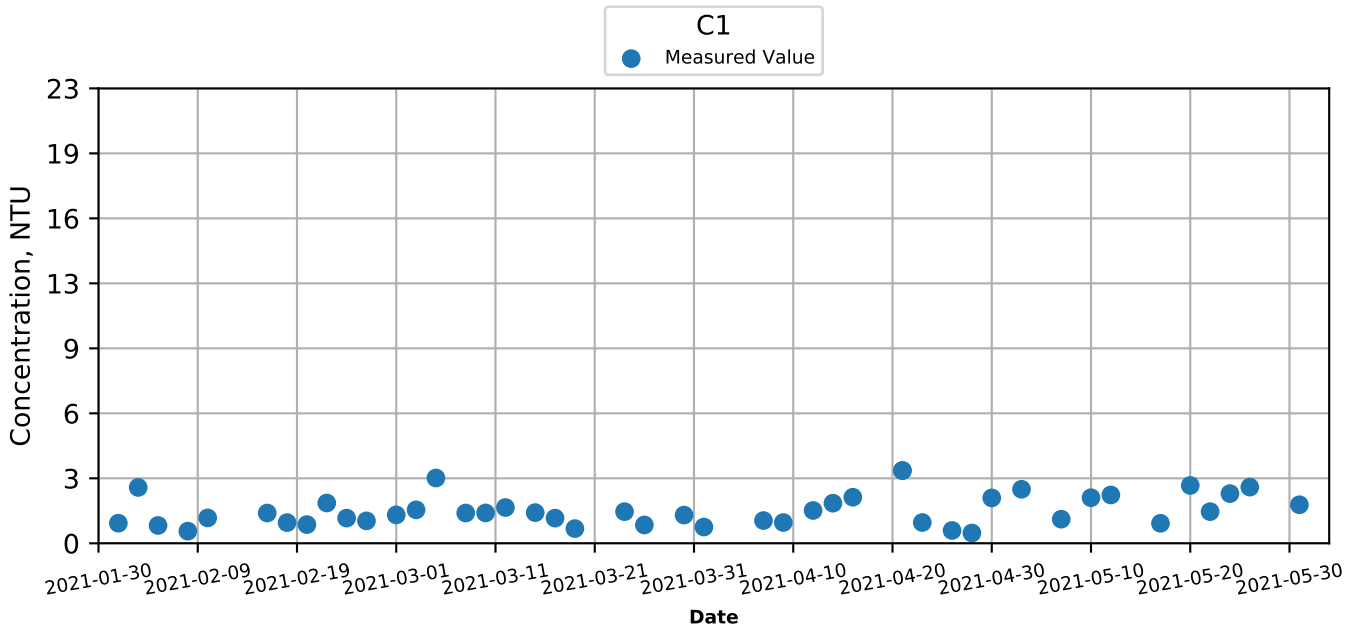
Turbidity (Bottom) at Monitoring Stations during Mid-Ebb

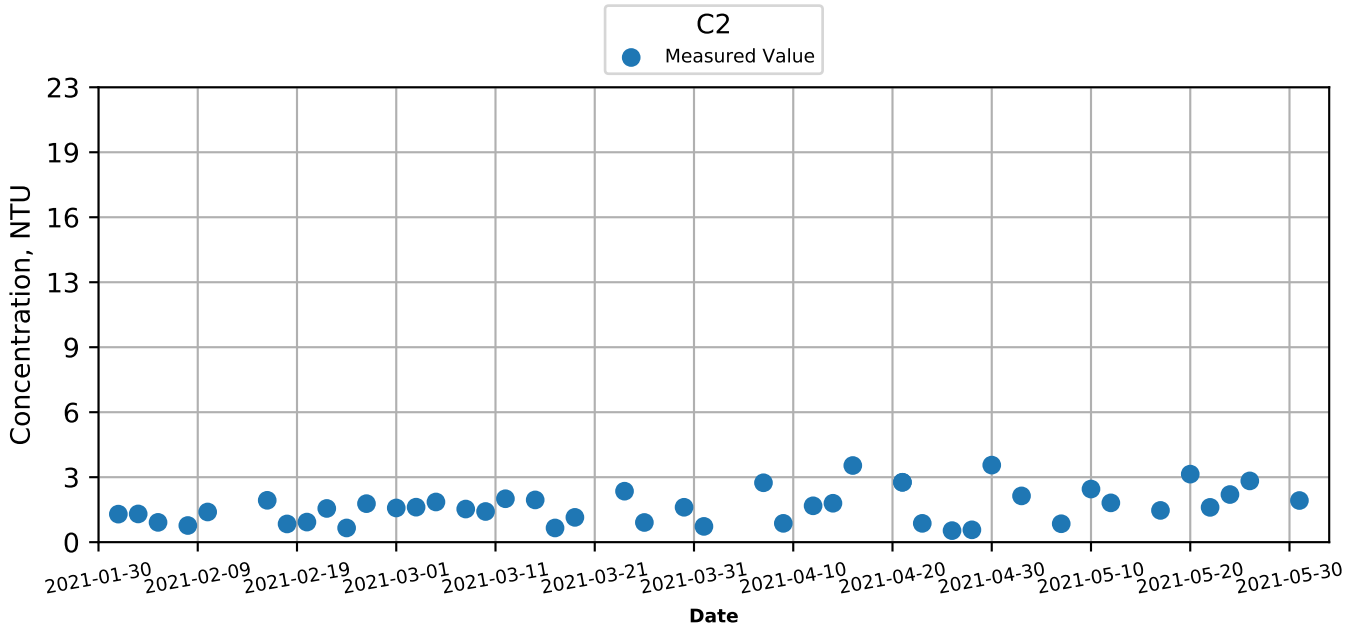


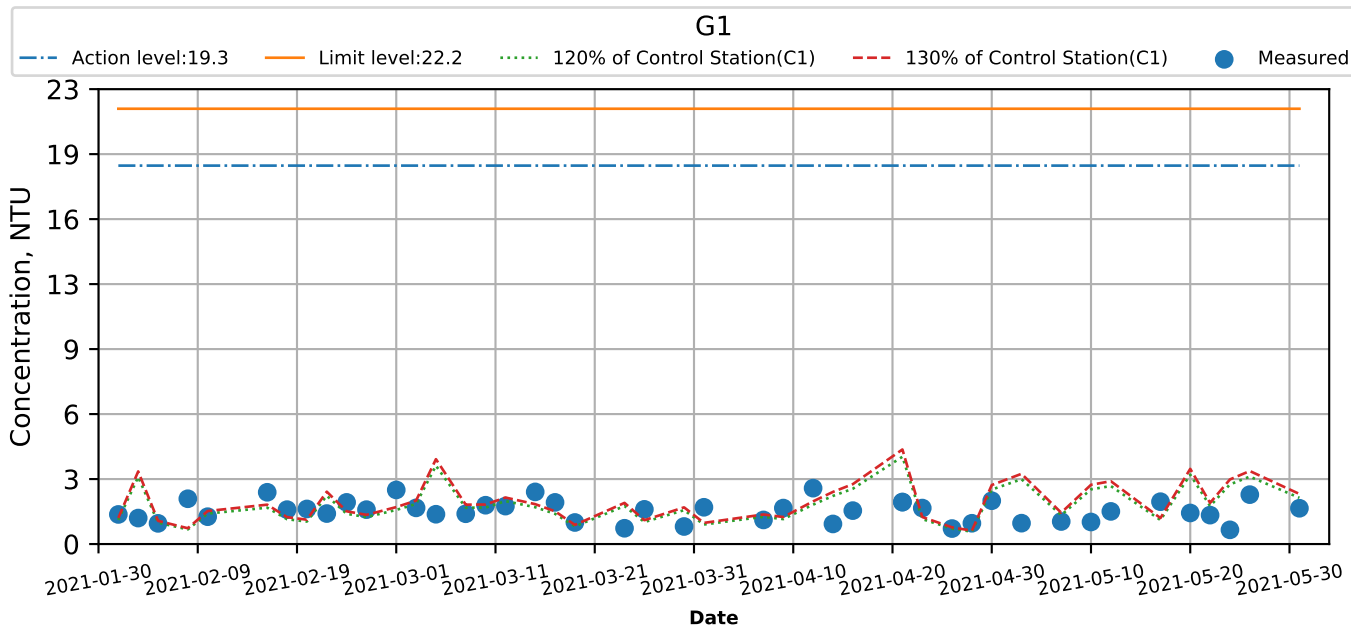


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Bottom) at Monitoring Stations during Mid-Flood

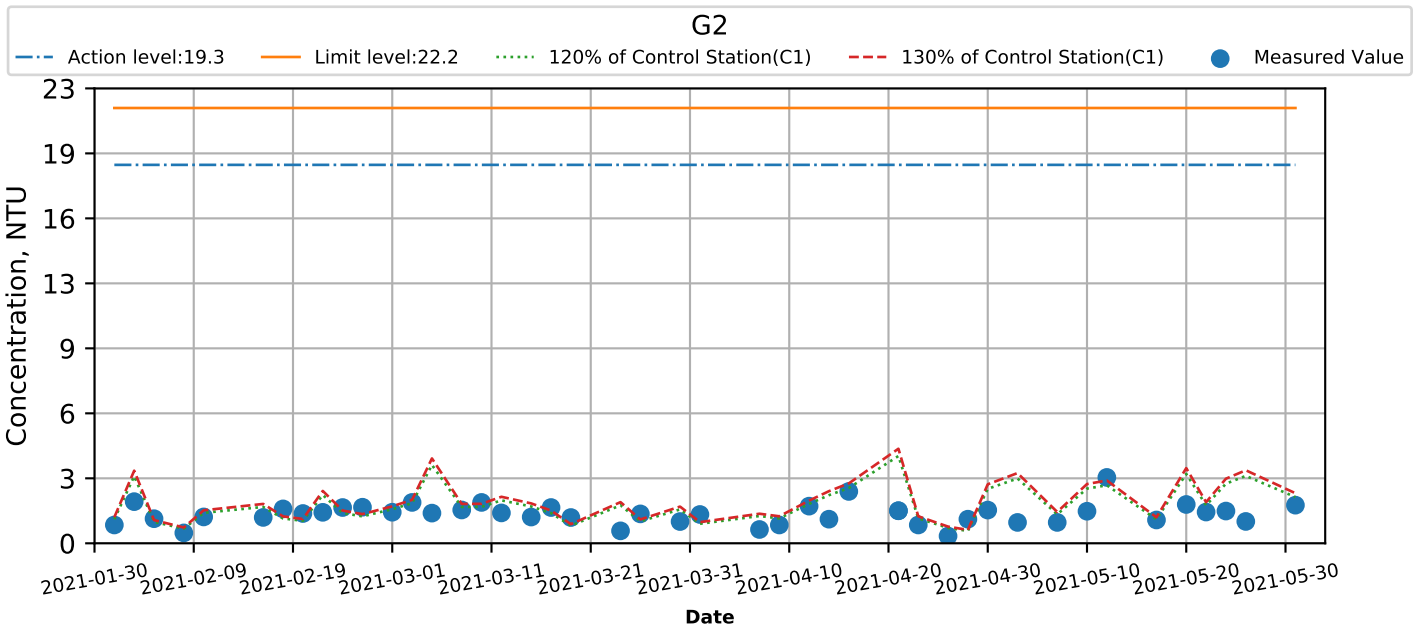


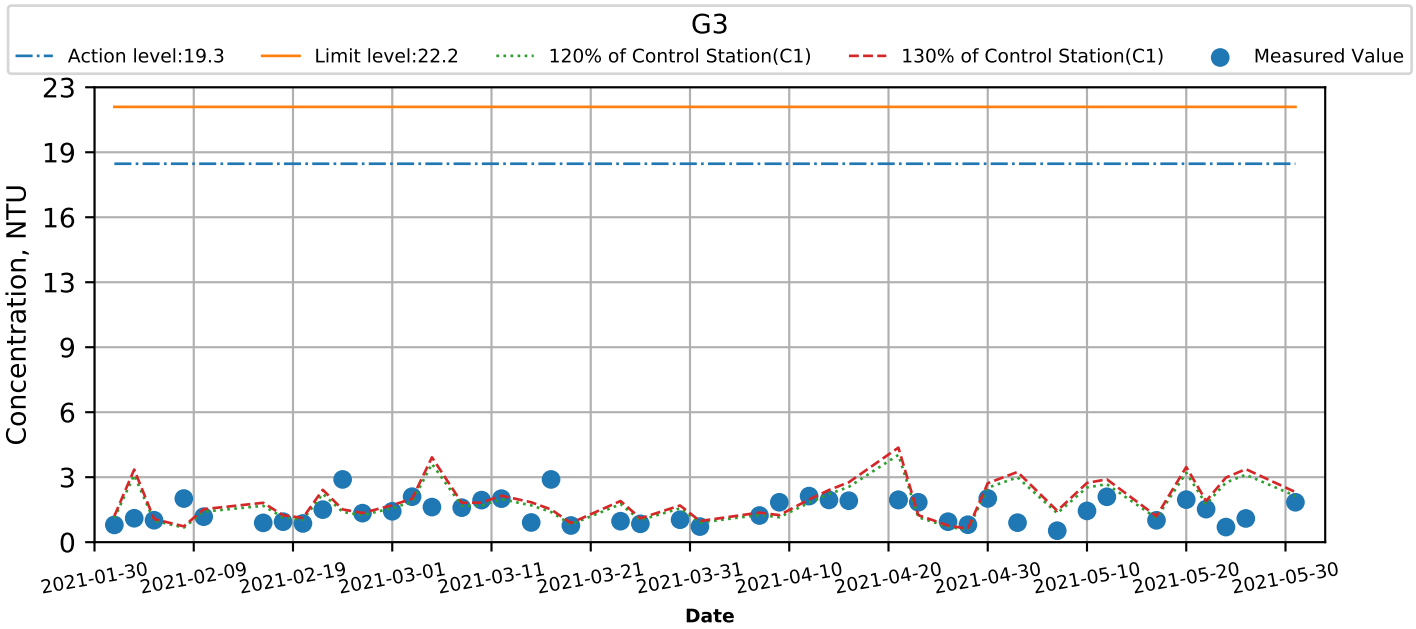


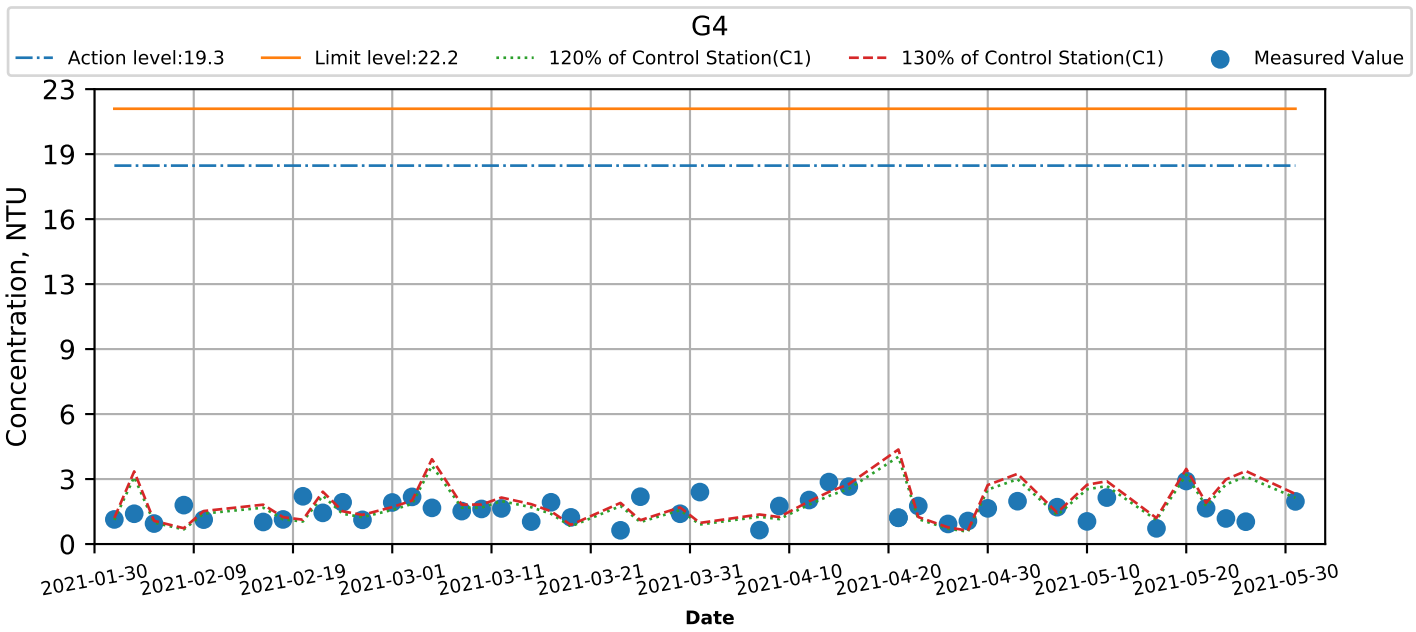


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Bottom) at Monitoring Stations during Mid-Flood

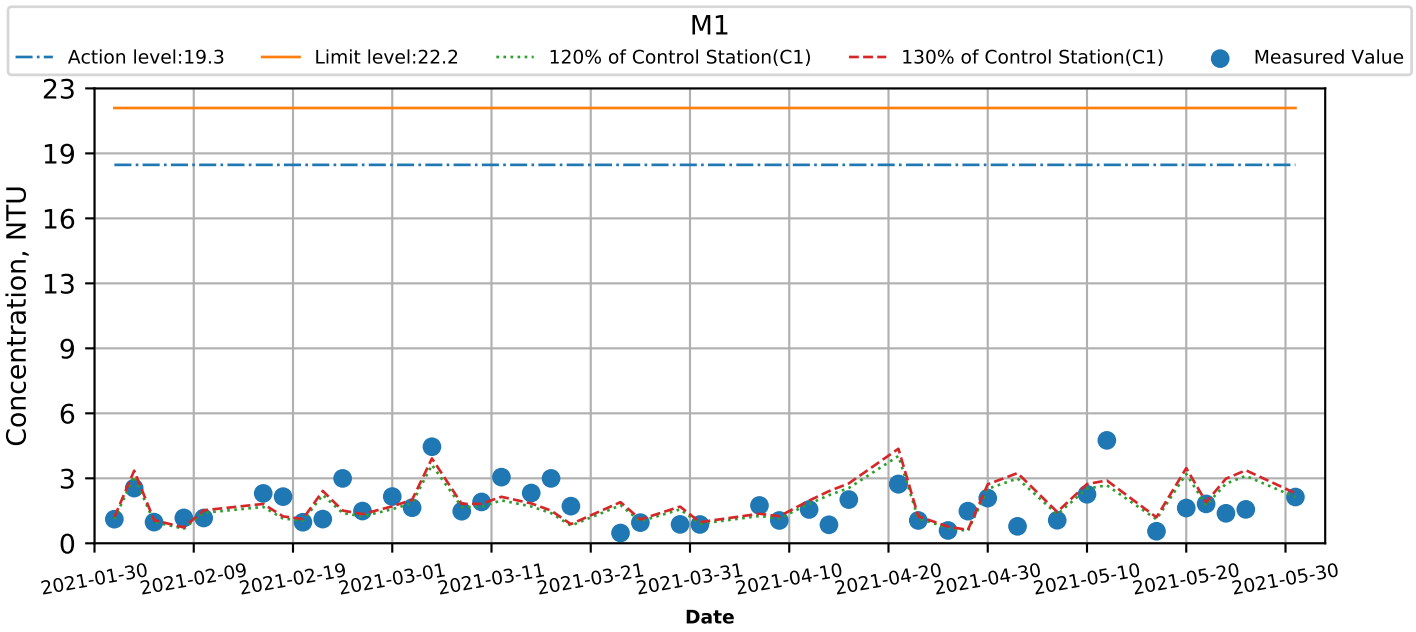


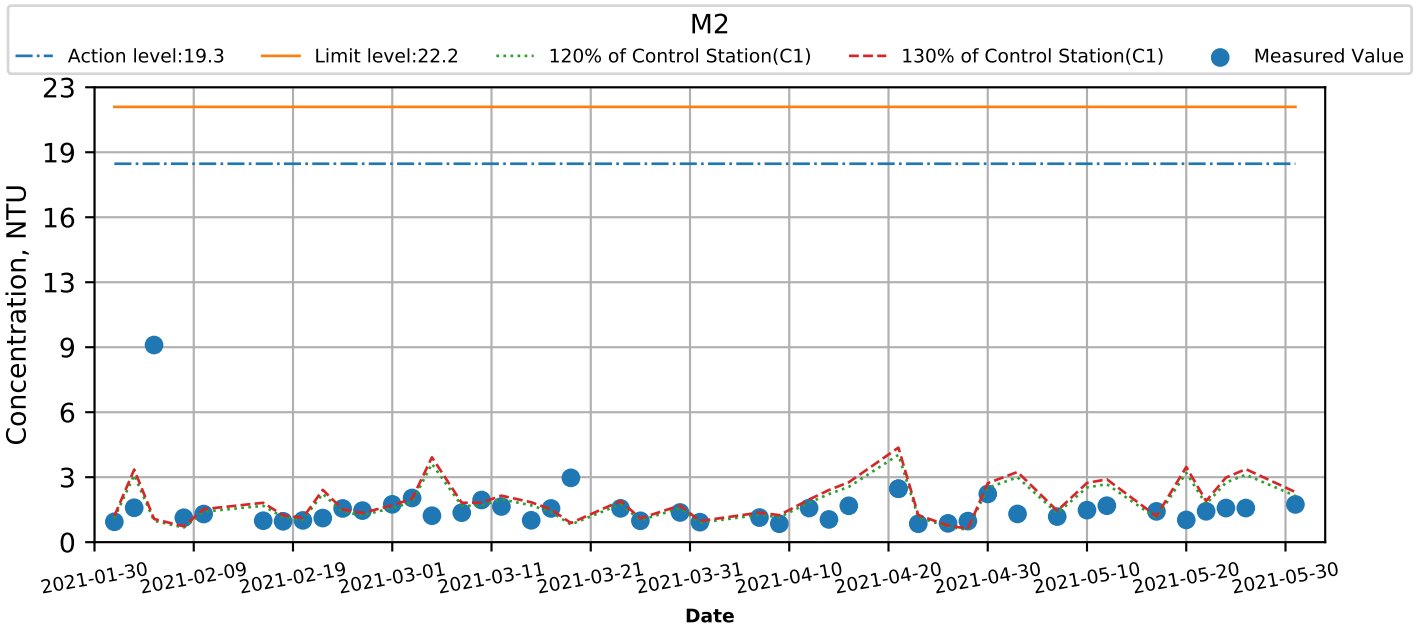


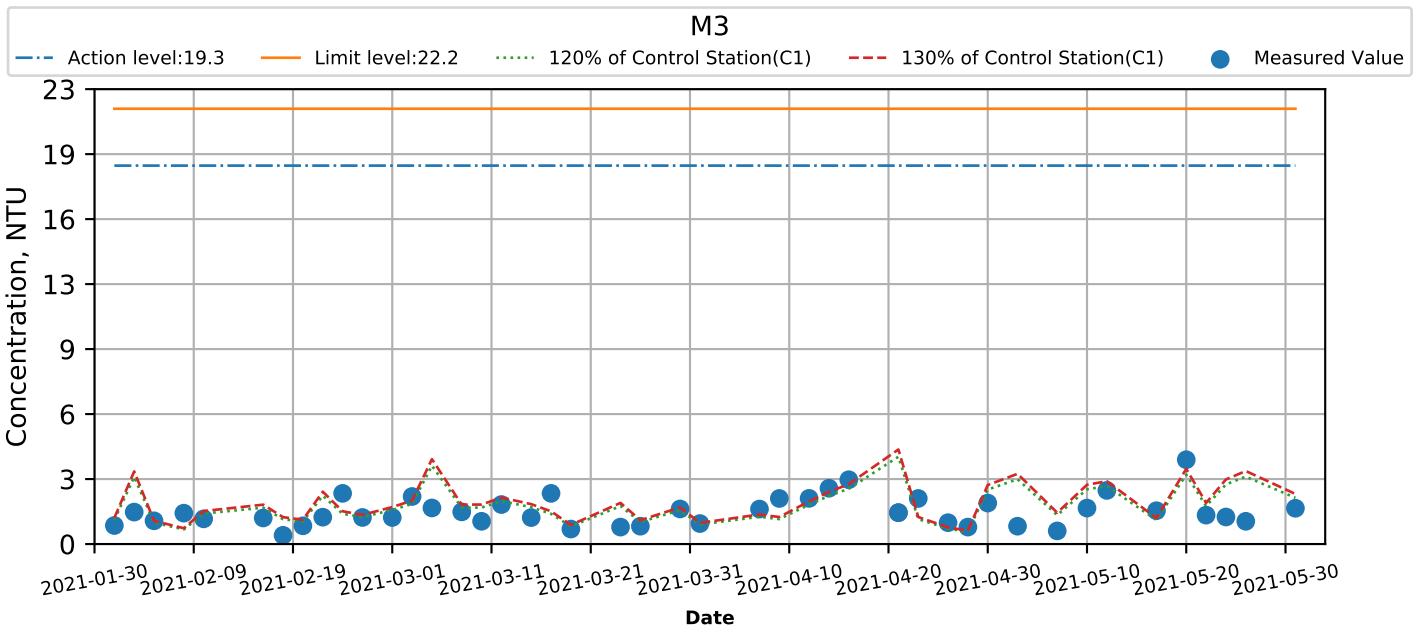


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Bottom) at Monitoring Stations during Mid-Flood

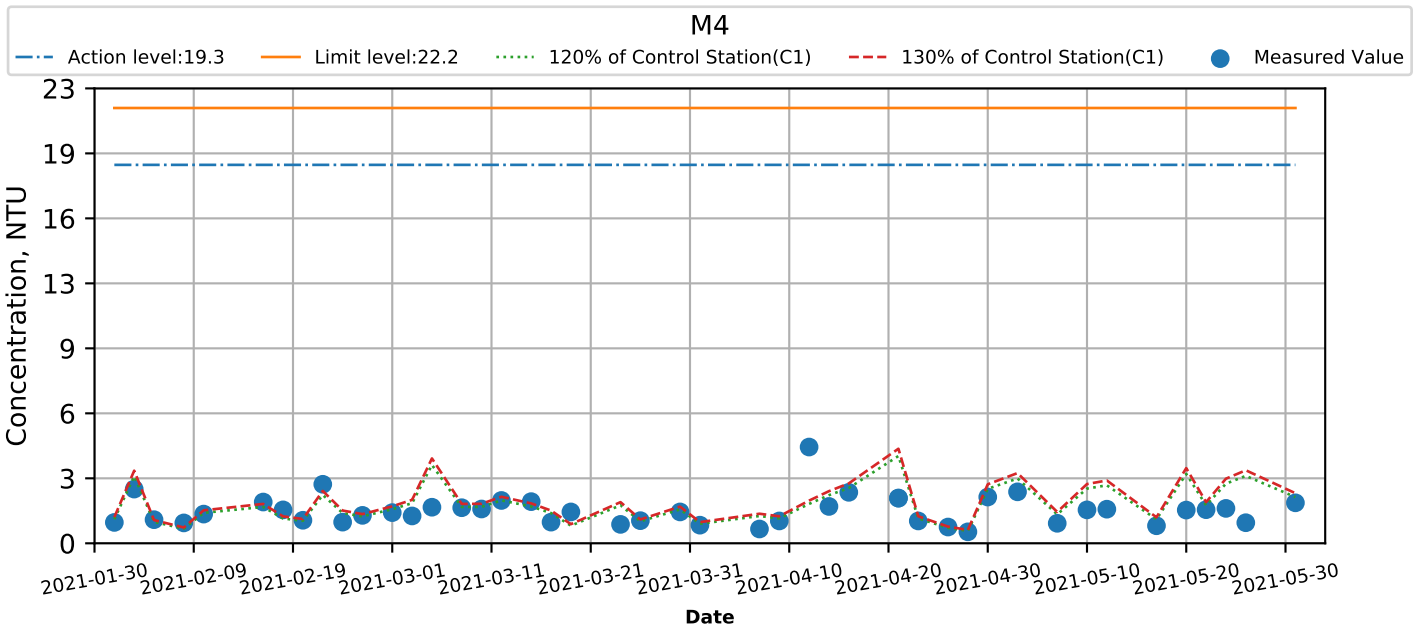


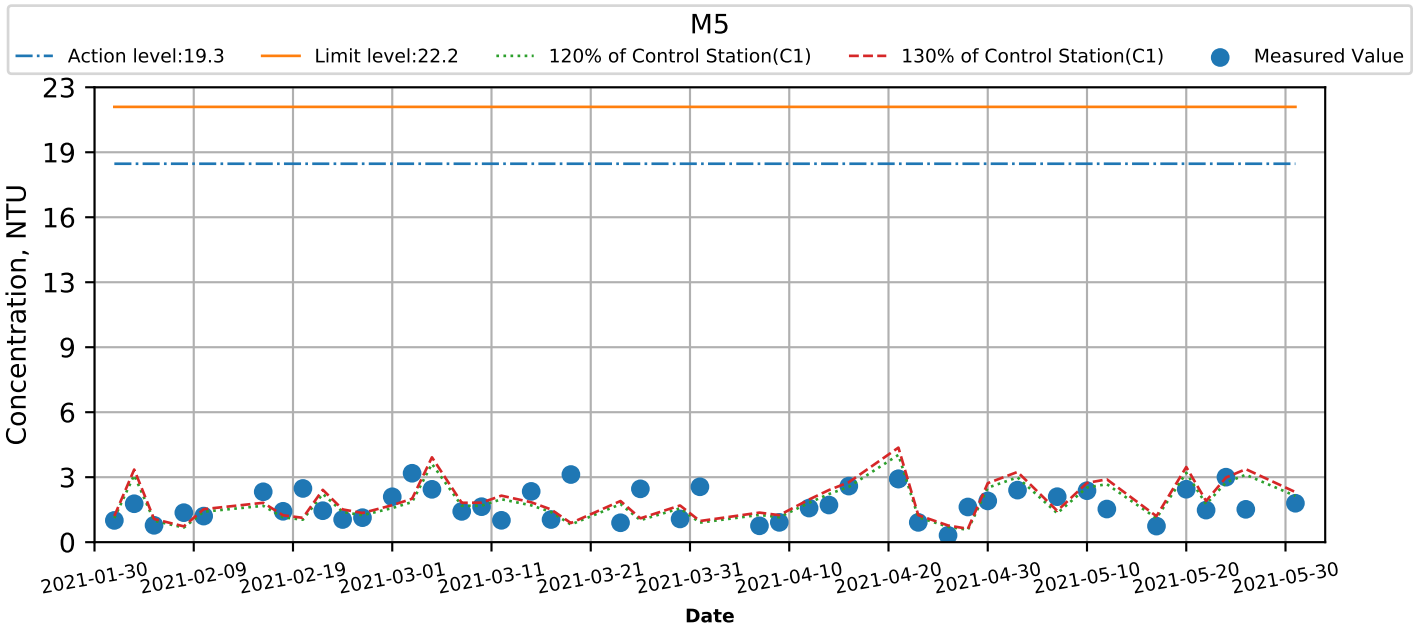




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

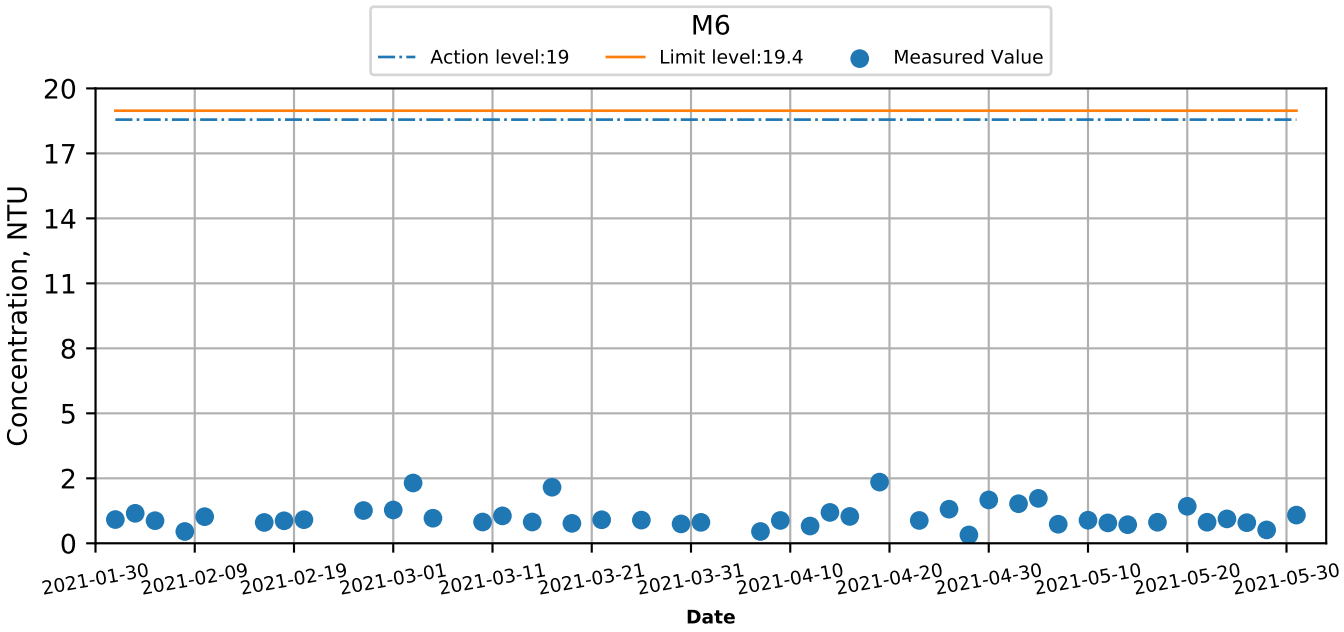
Turbidity (Bottom) at Monitoring Stations during Mid-Flood





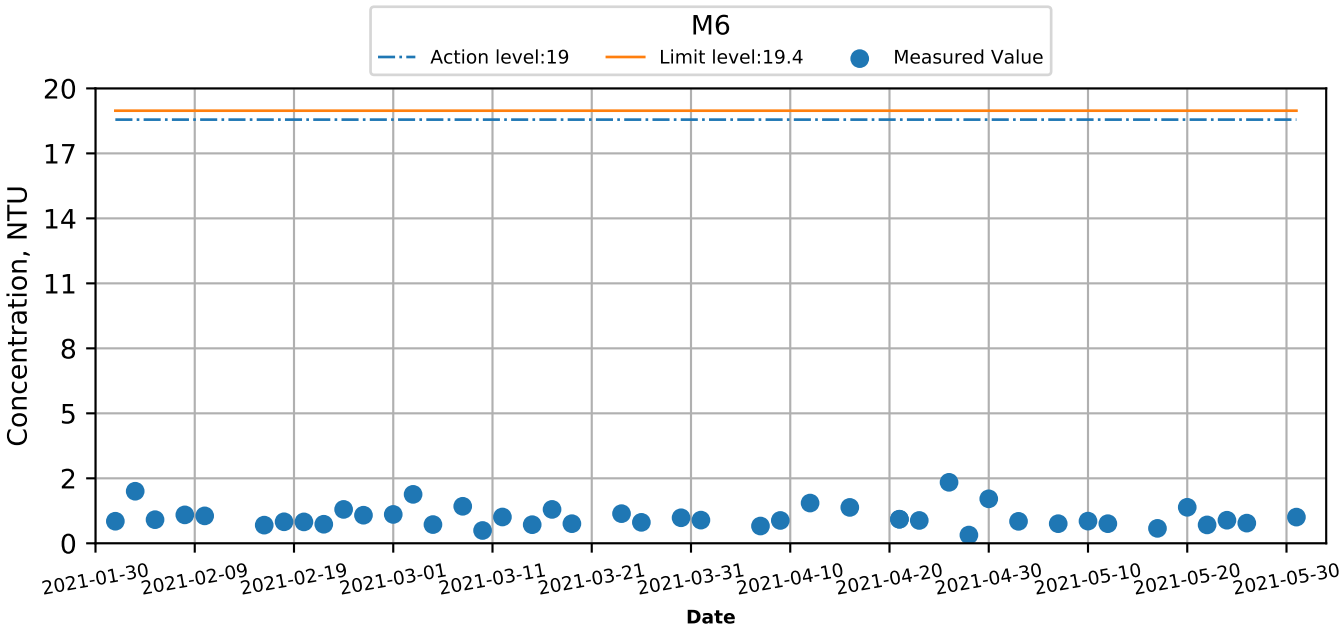
Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Turbidity (Intake level) at Monitoring Stations during Mid-Ebb



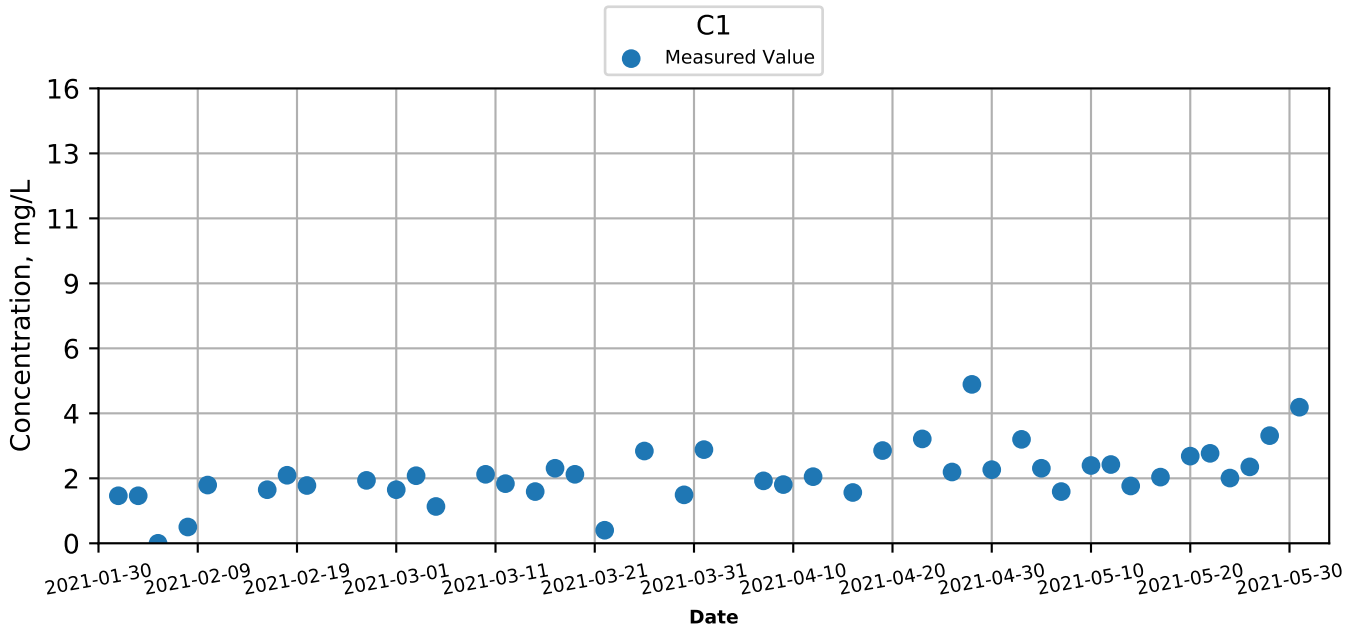
Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

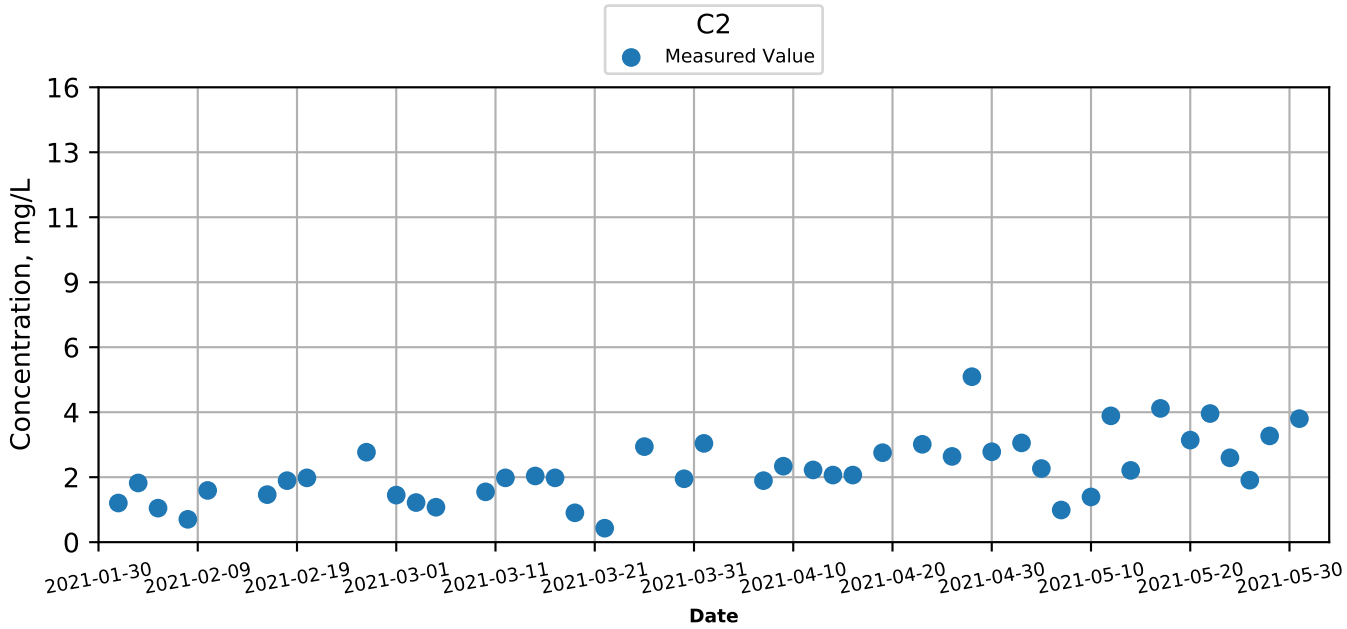
Turbidity (Intake level) at Monitoring Stations during Mid-Flood

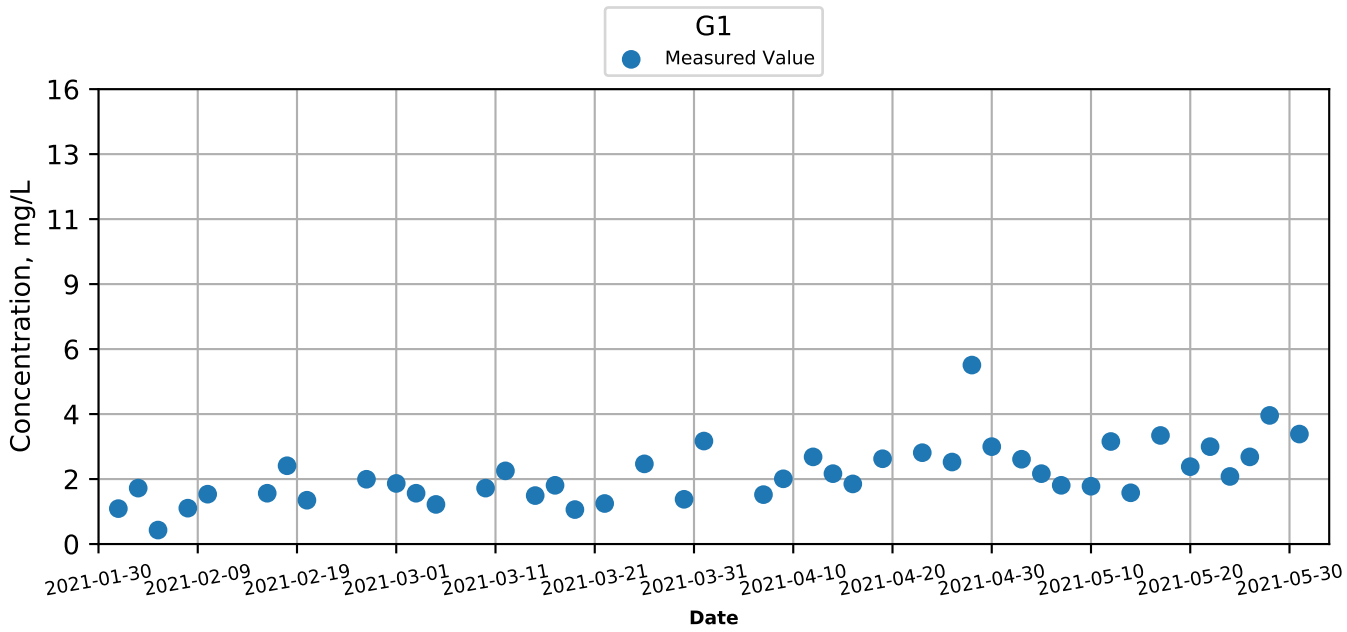


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Depth-Averaged) at Monitoring Stations during Mid-Ebb

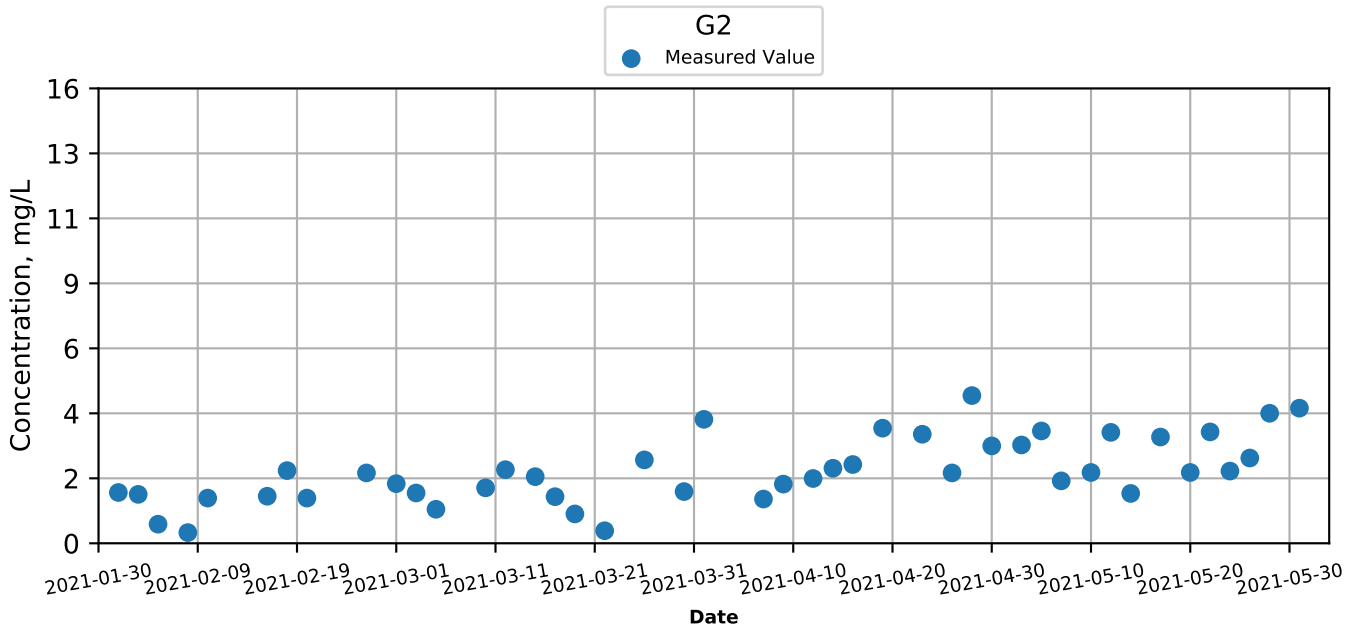


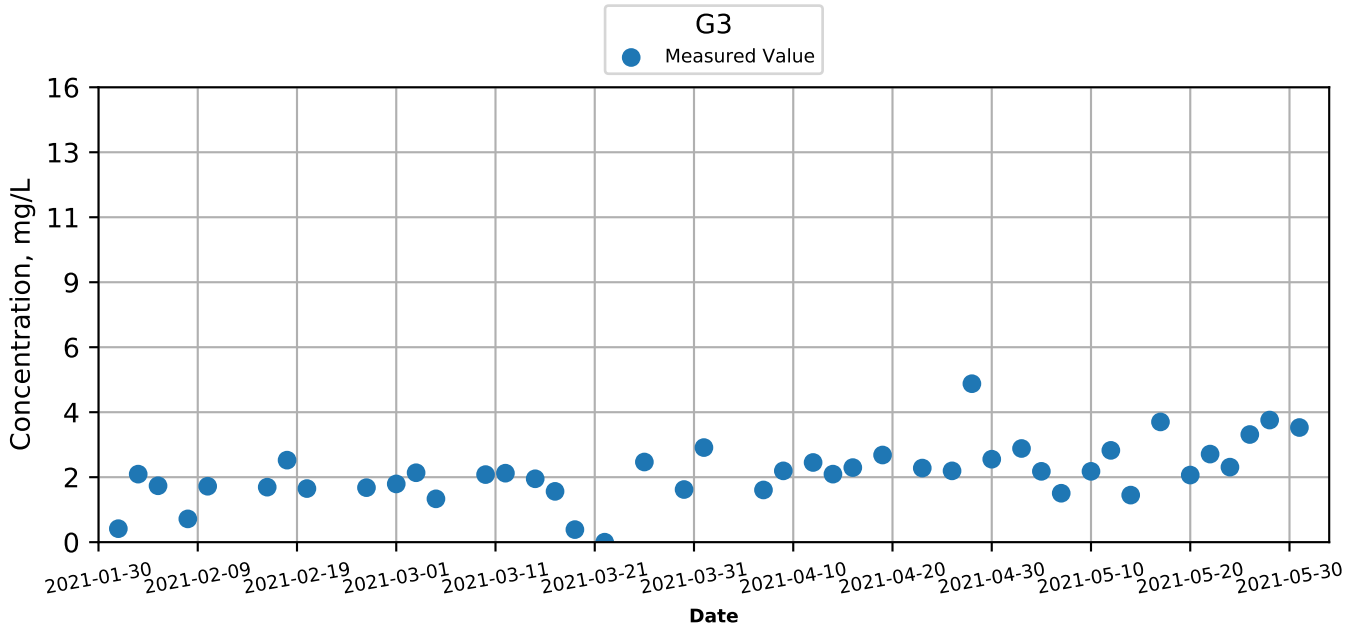


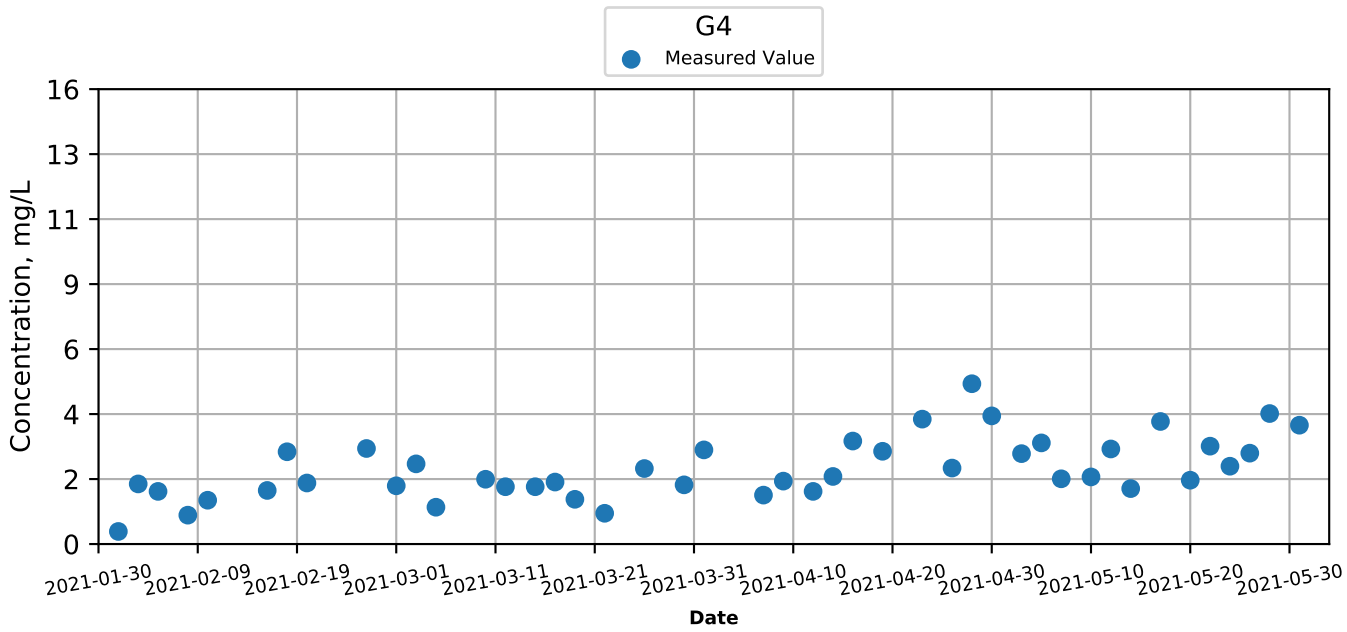


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Depth-Averaged) at Monitoring Stations during Mid-Ebb

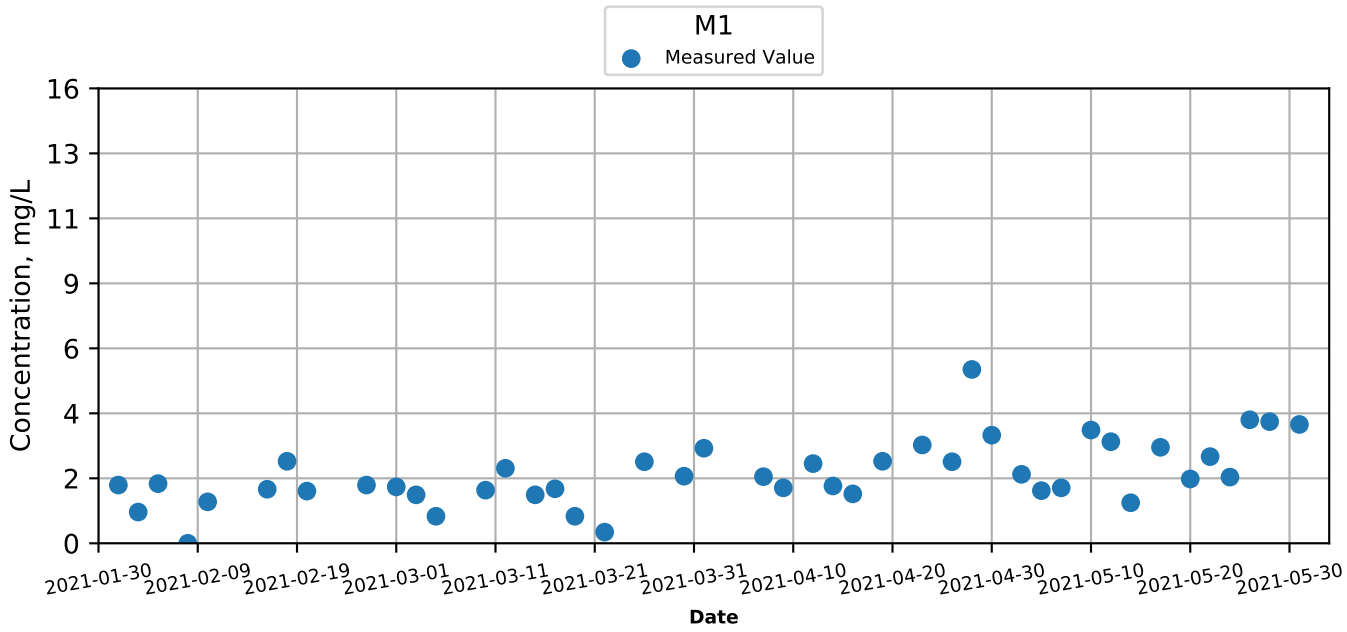


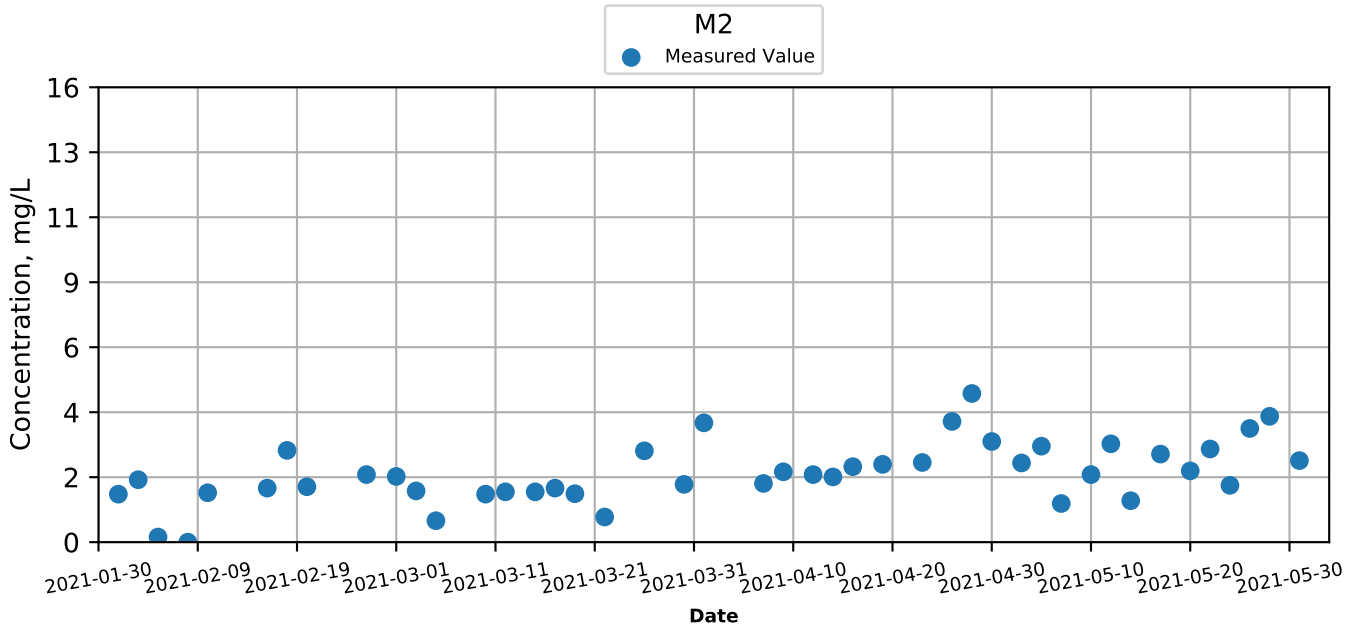


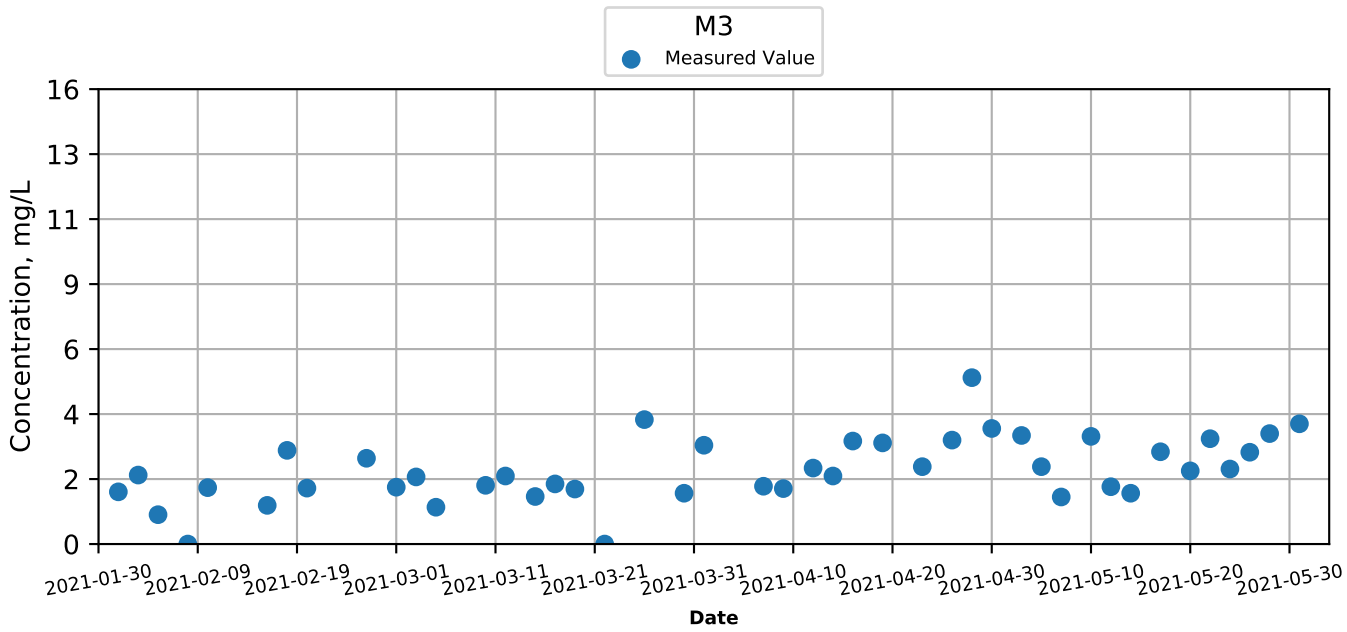


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Depth-Averaged) at Monitoring Stations during Mid-Ebb

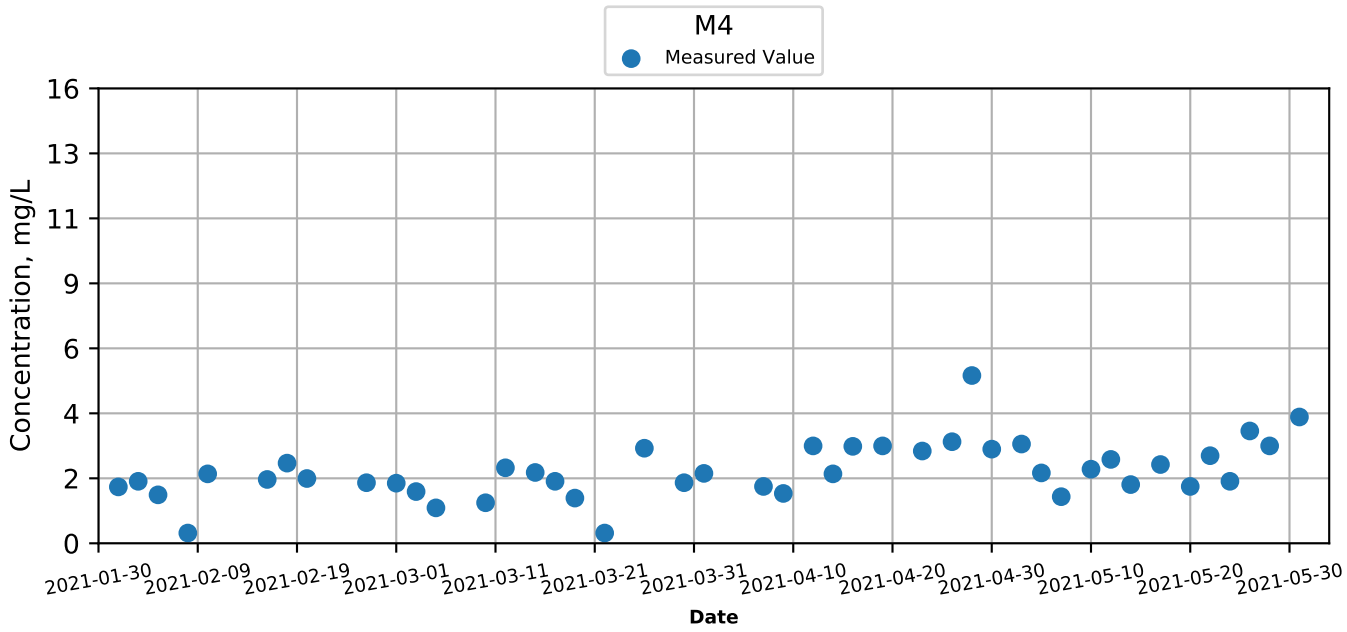


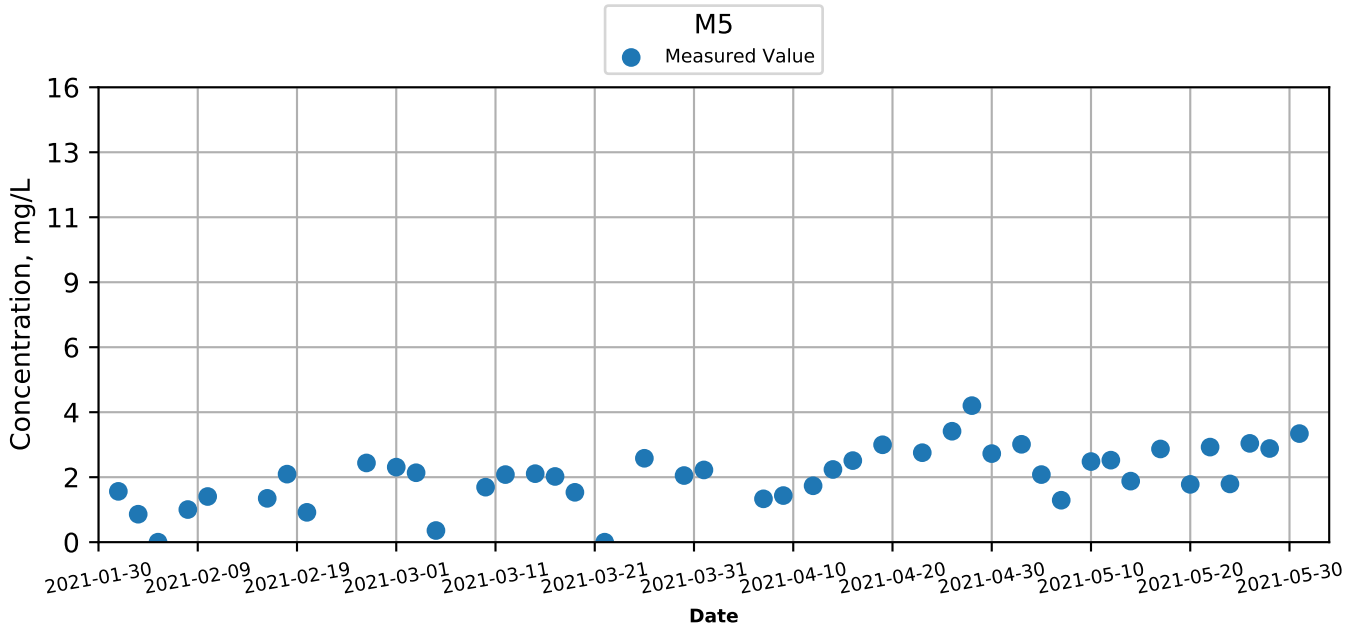




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

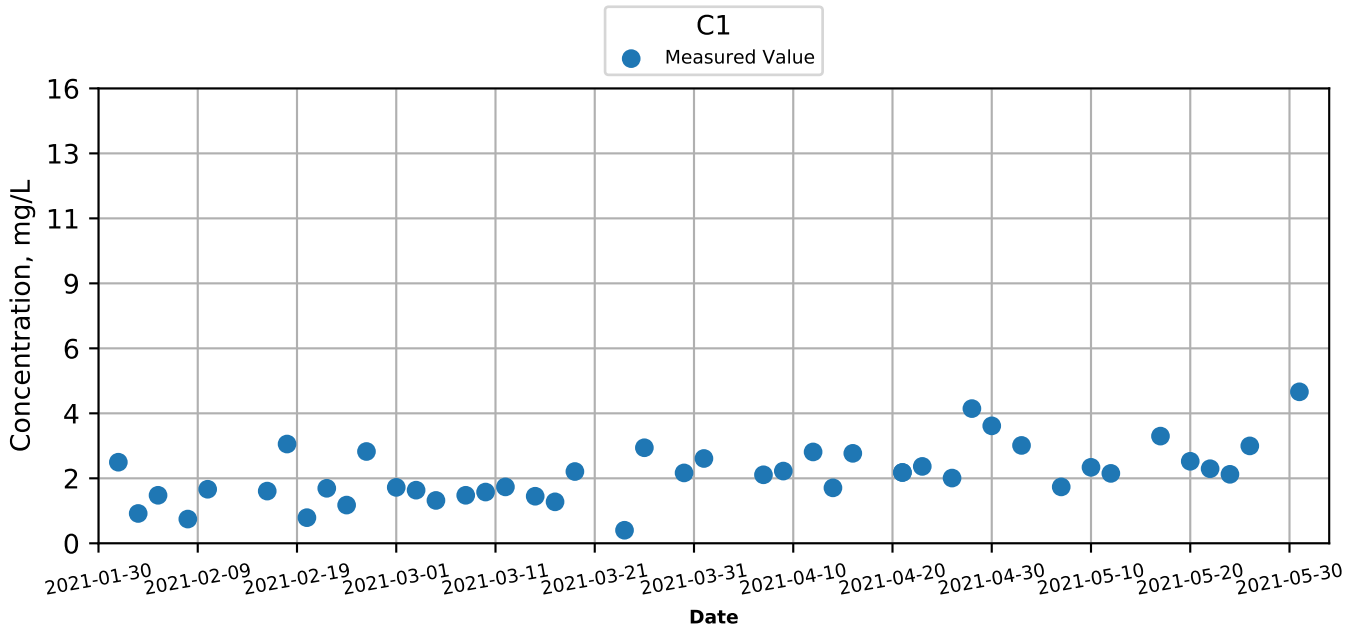
Suspended Solids (Depth-Averaged) at Monitoring Stations during Mid-Ebb

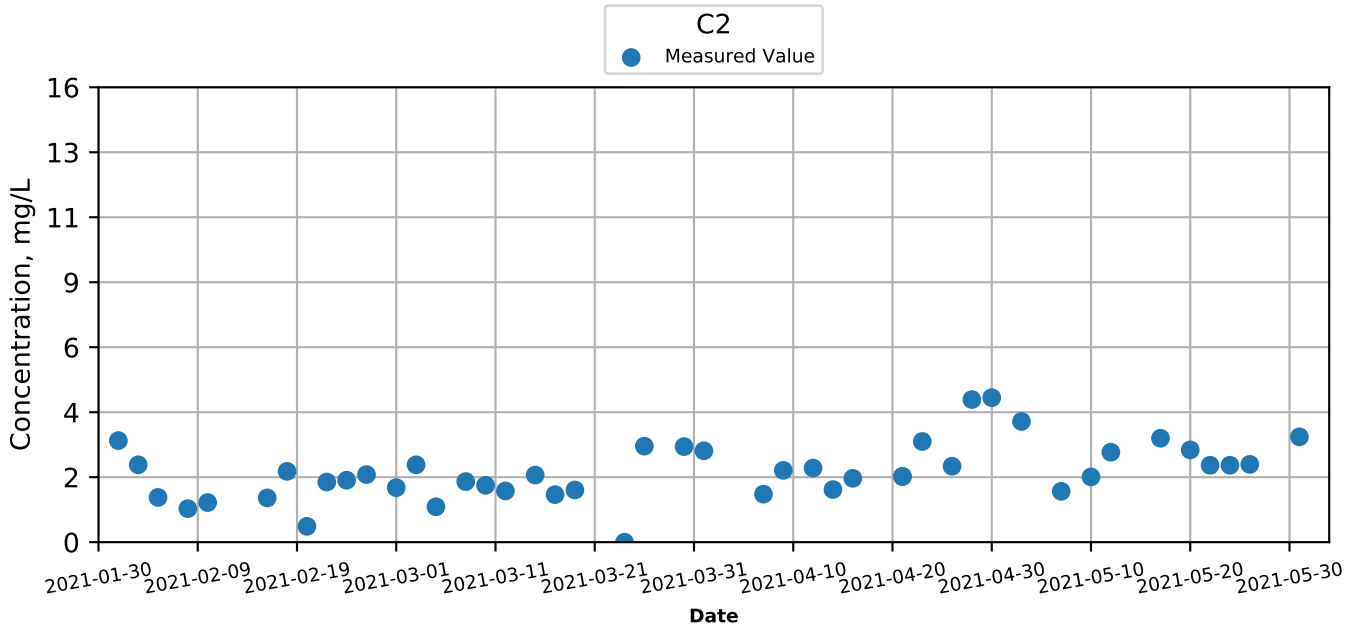


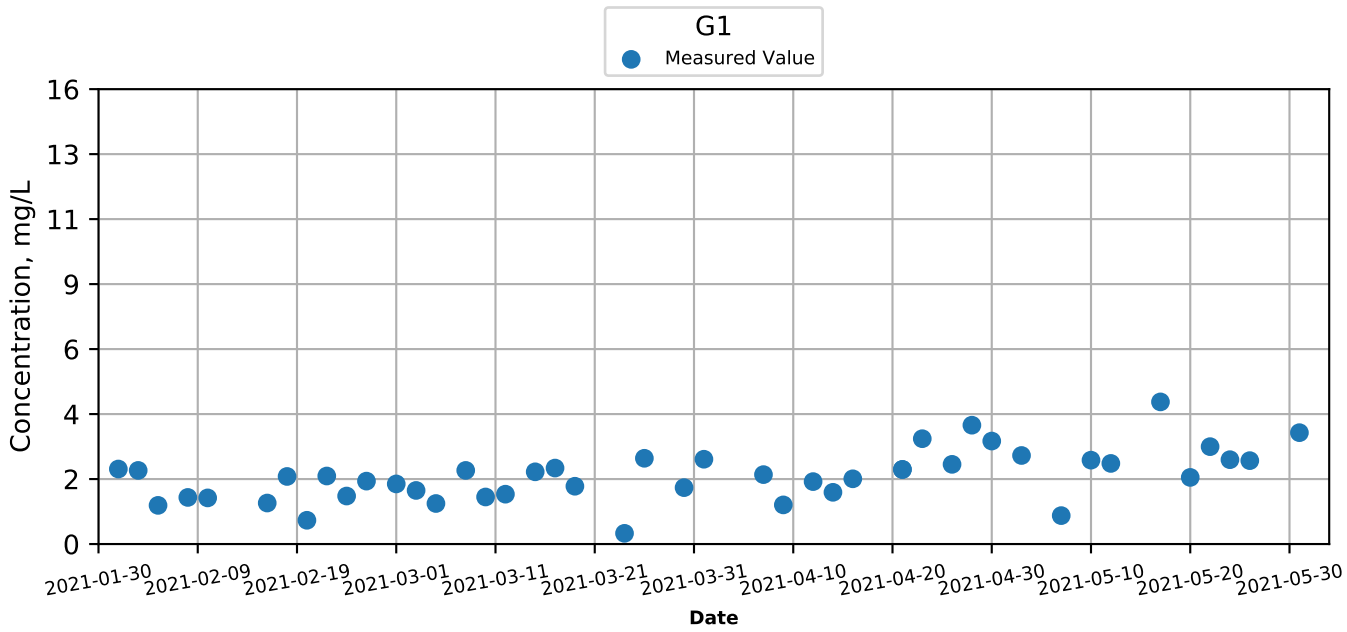


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Depth-Averaged) at Monitoring Stations during Mid-Flood

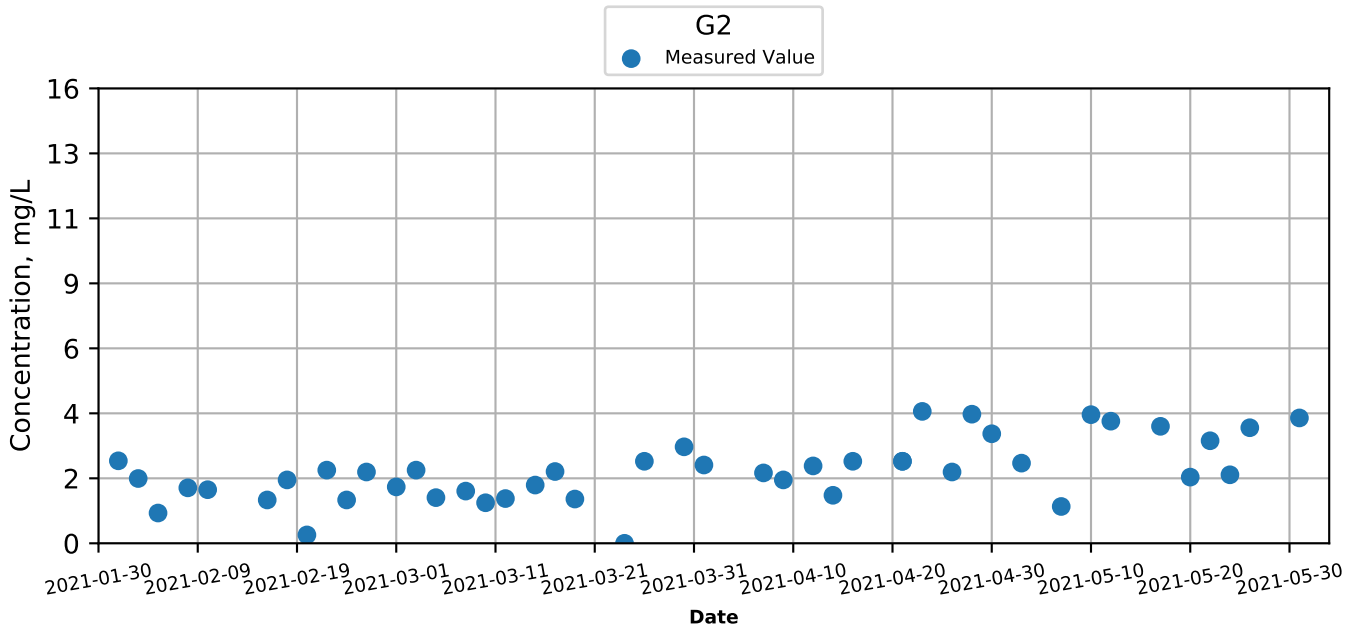


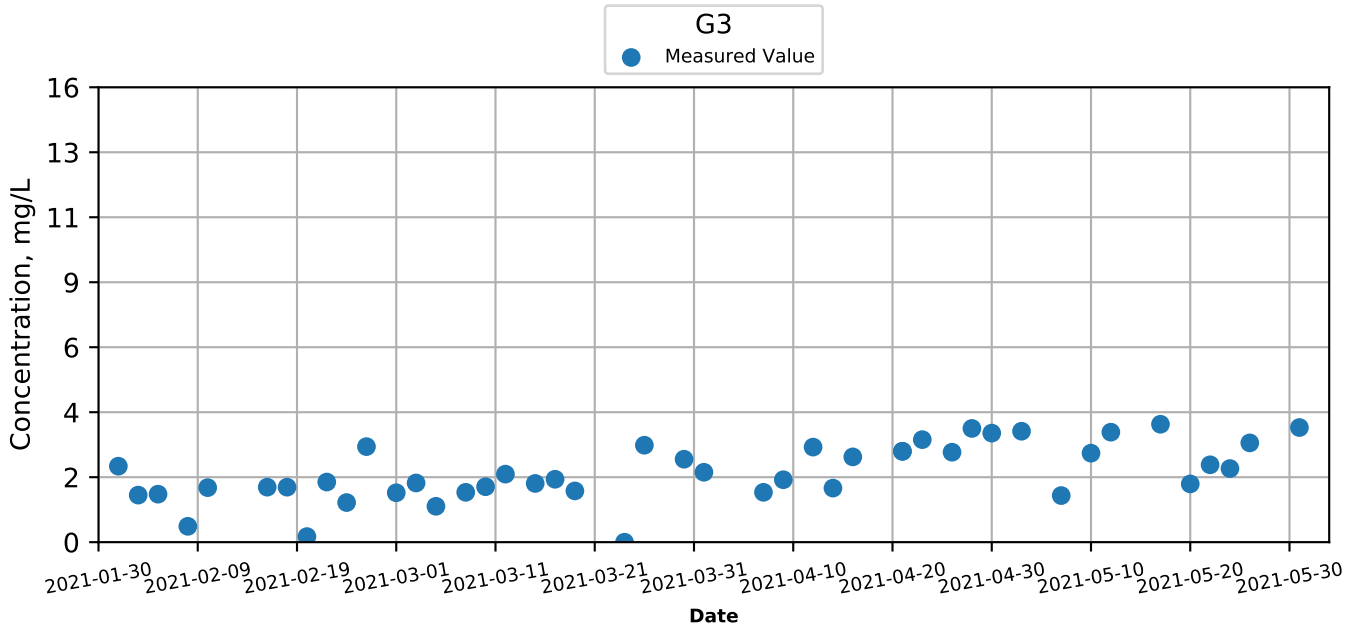


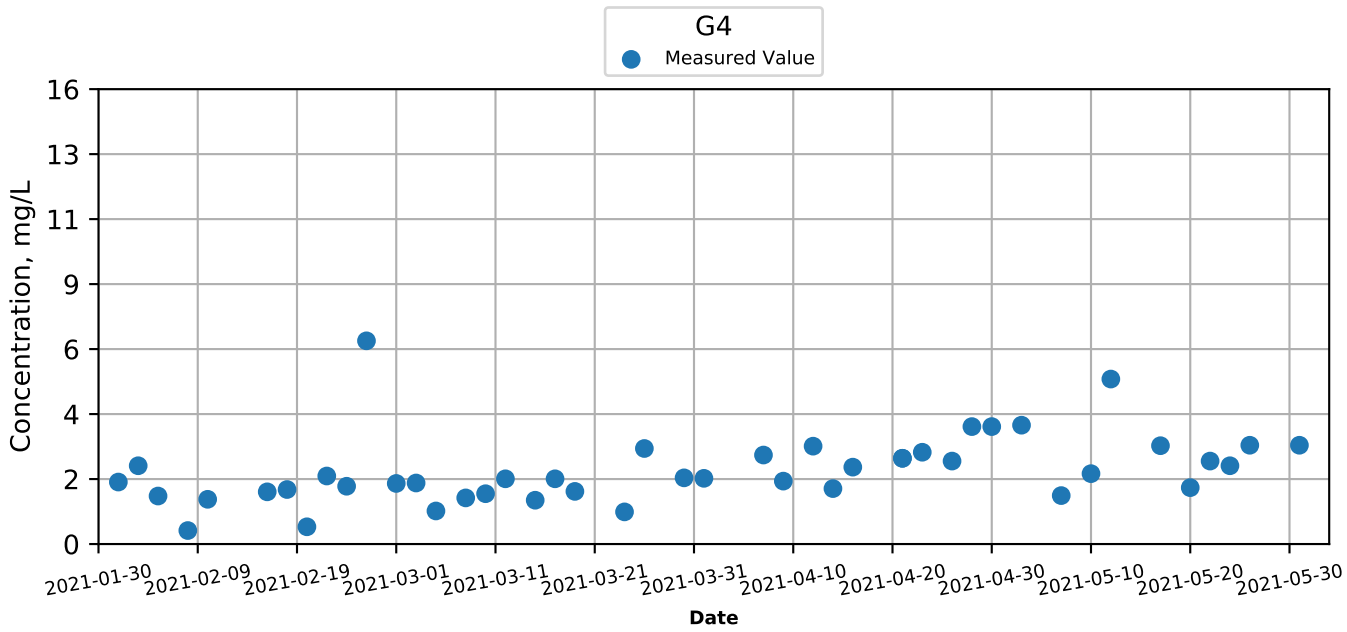


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Depth-Averaged) at Monitoring Stations during Mid-Flood

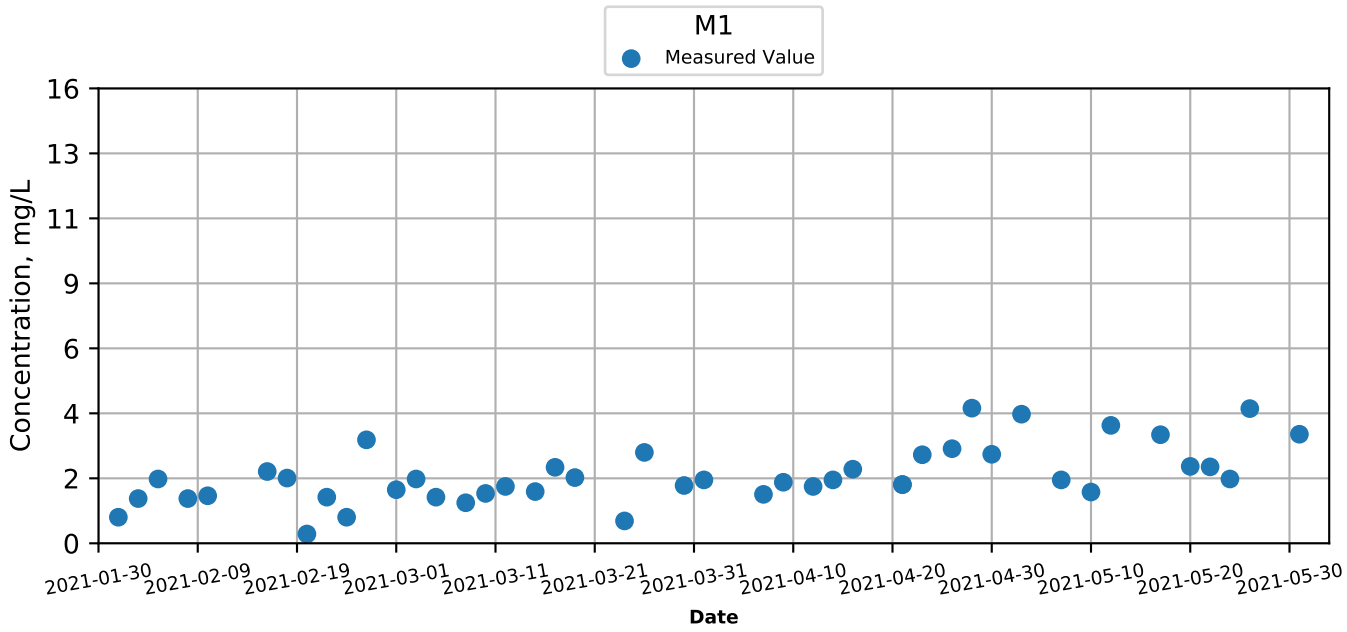


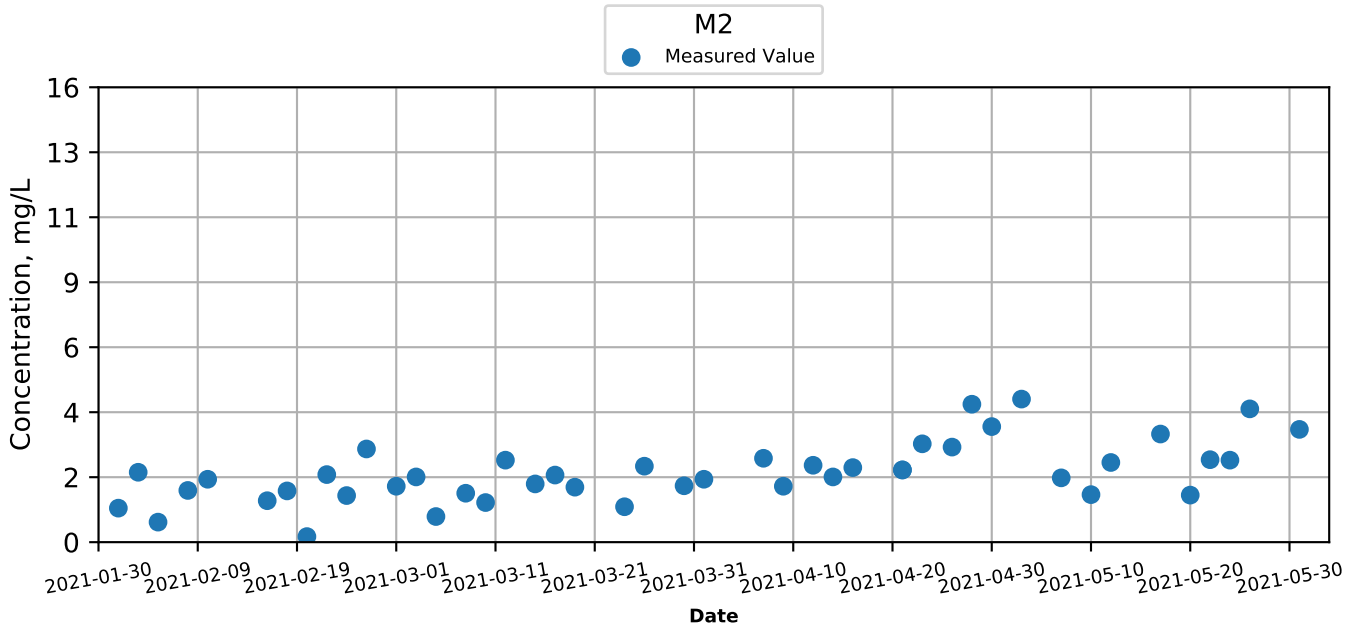


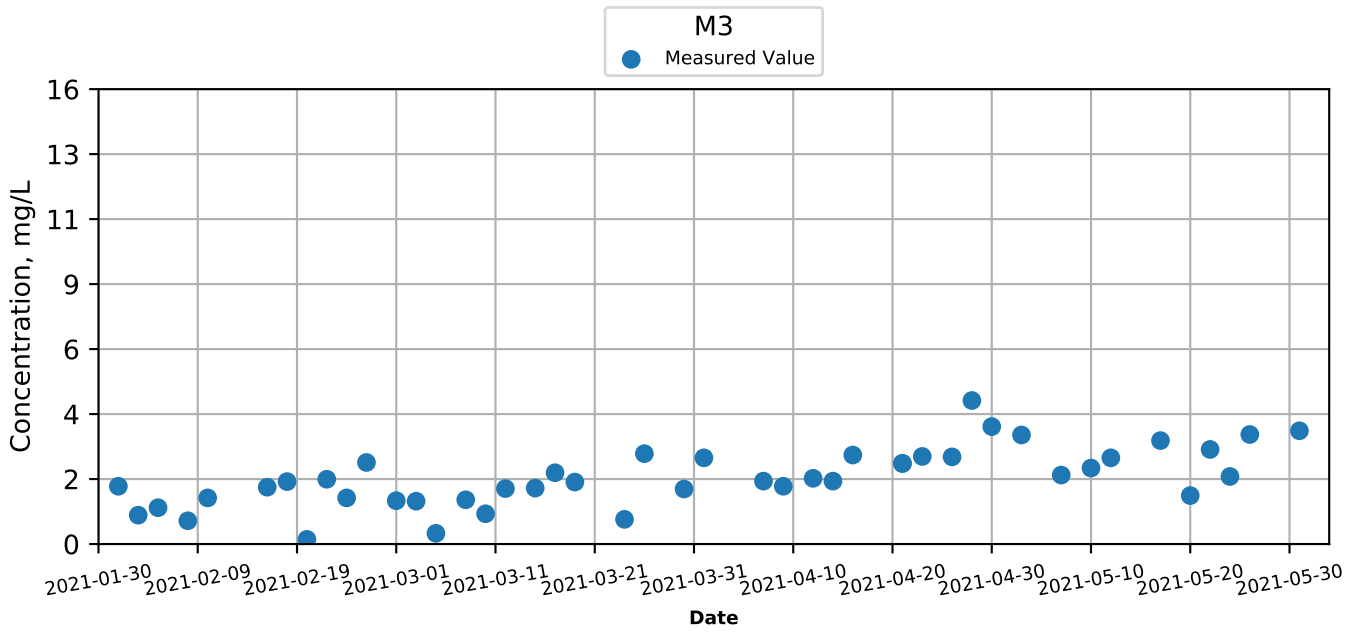


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Depth-Averaged) at Monitoring Stations during Mid-Flood

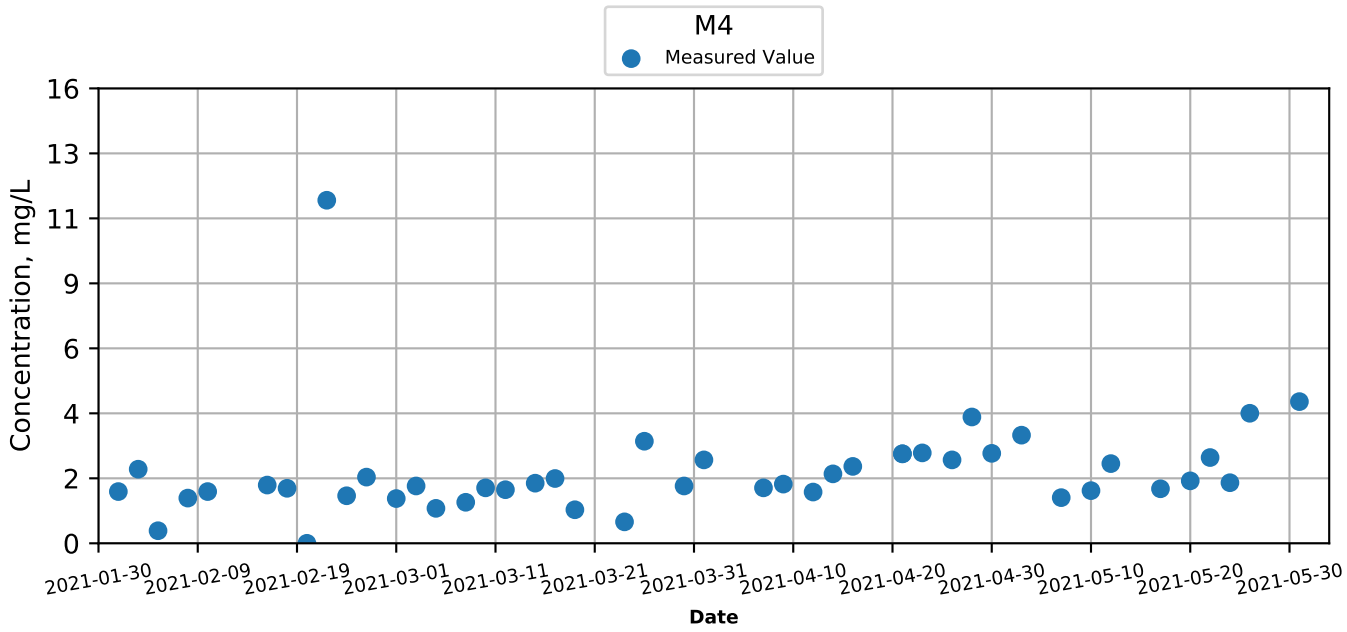


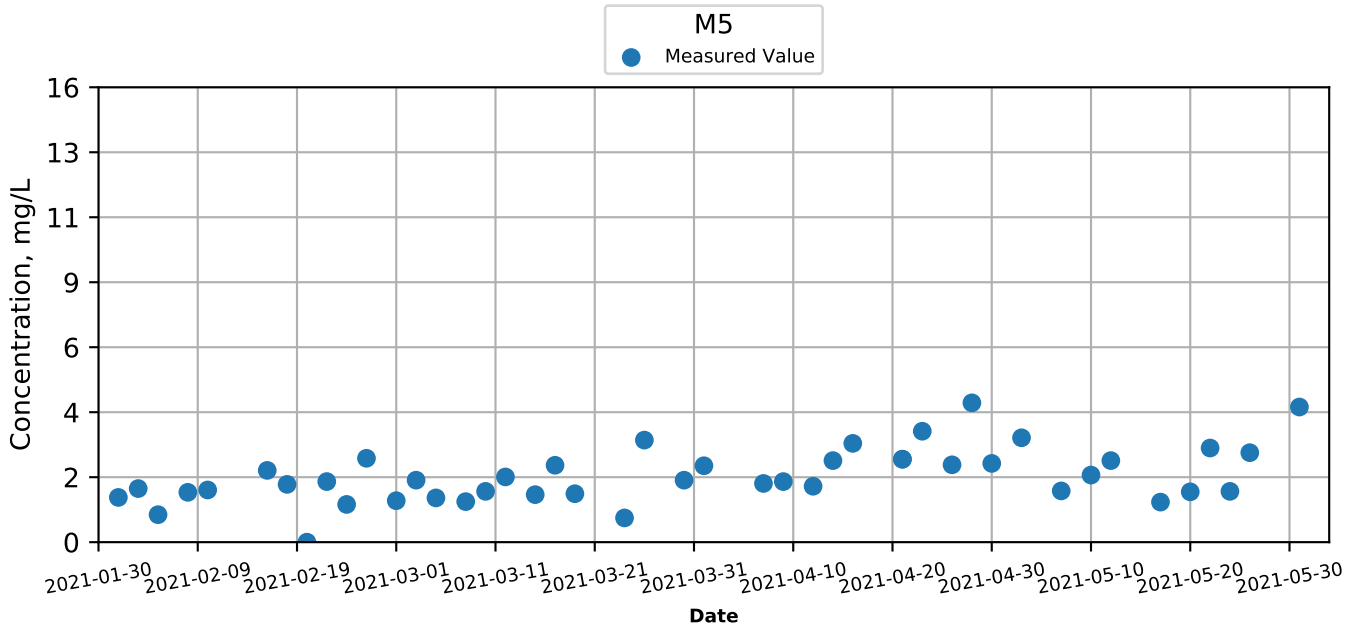




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

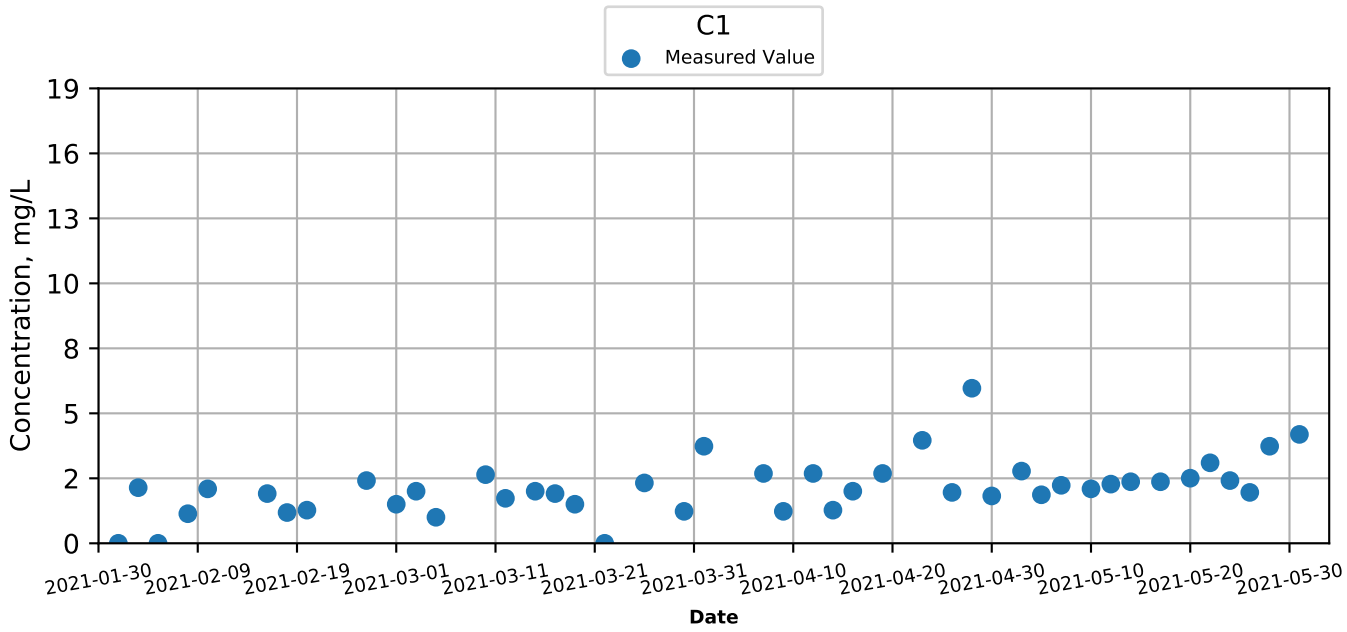
Suspended Solids (Depth-Averaged) at Monitoring Stations during Mid-Flood

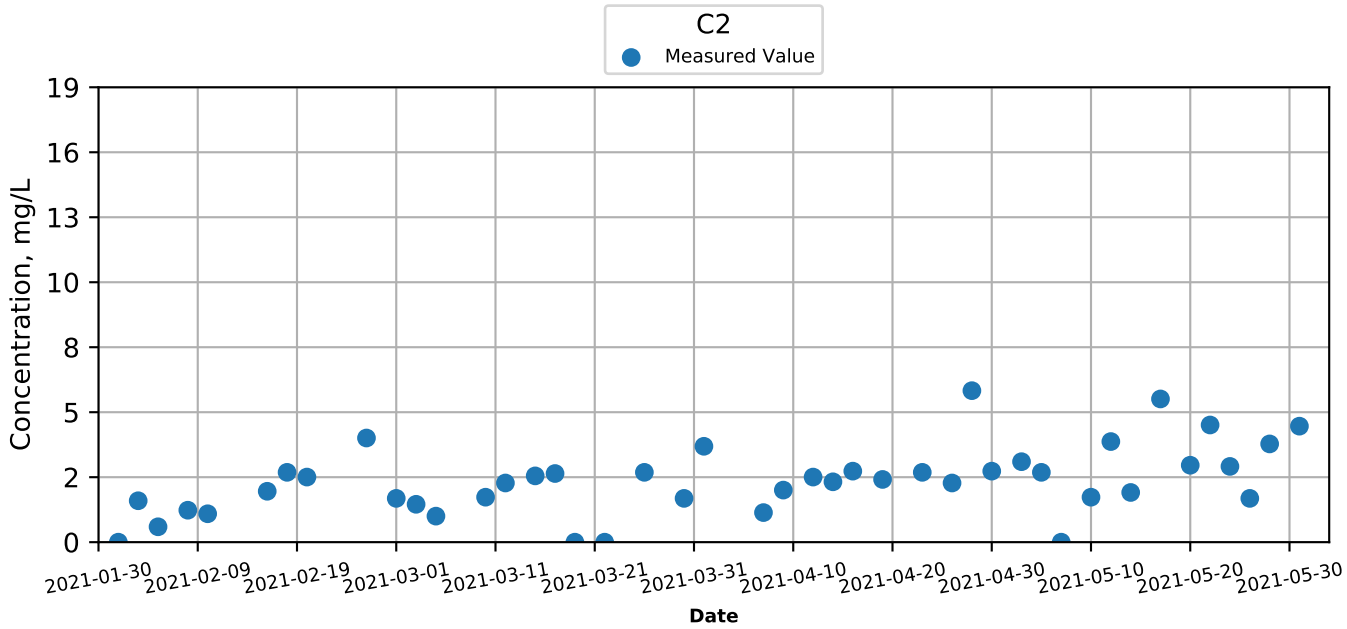


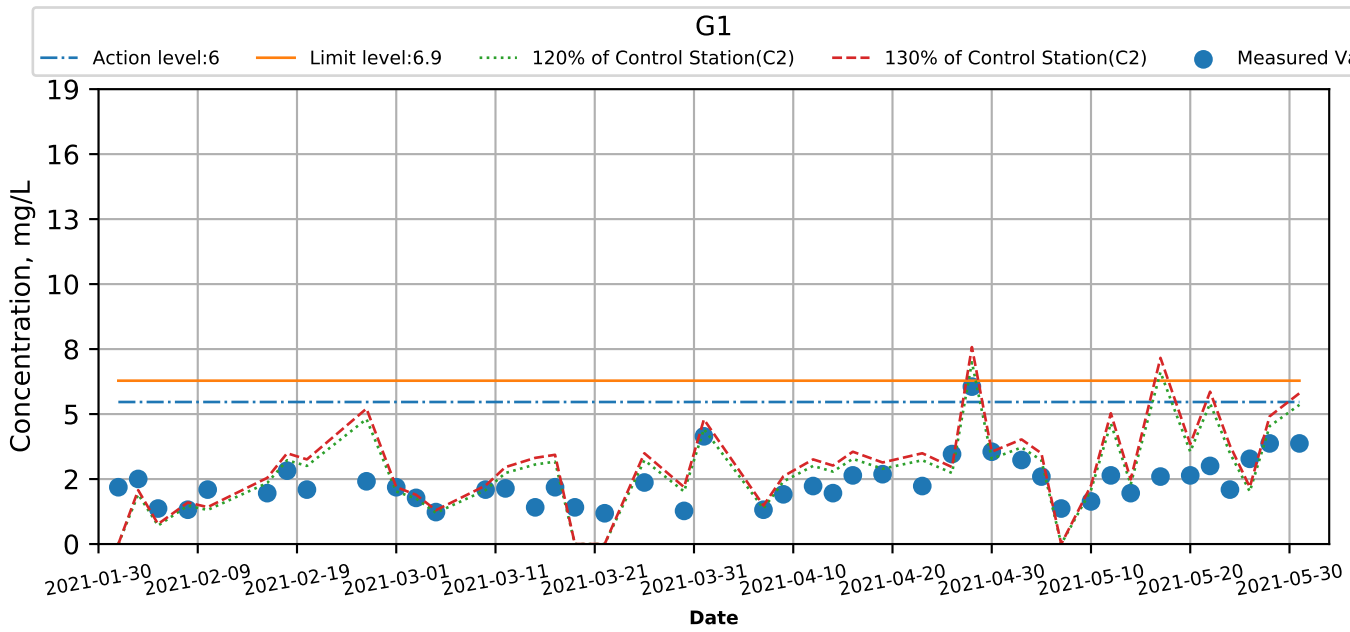


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Surface) at Monitoring Stations during Mid-Ebb

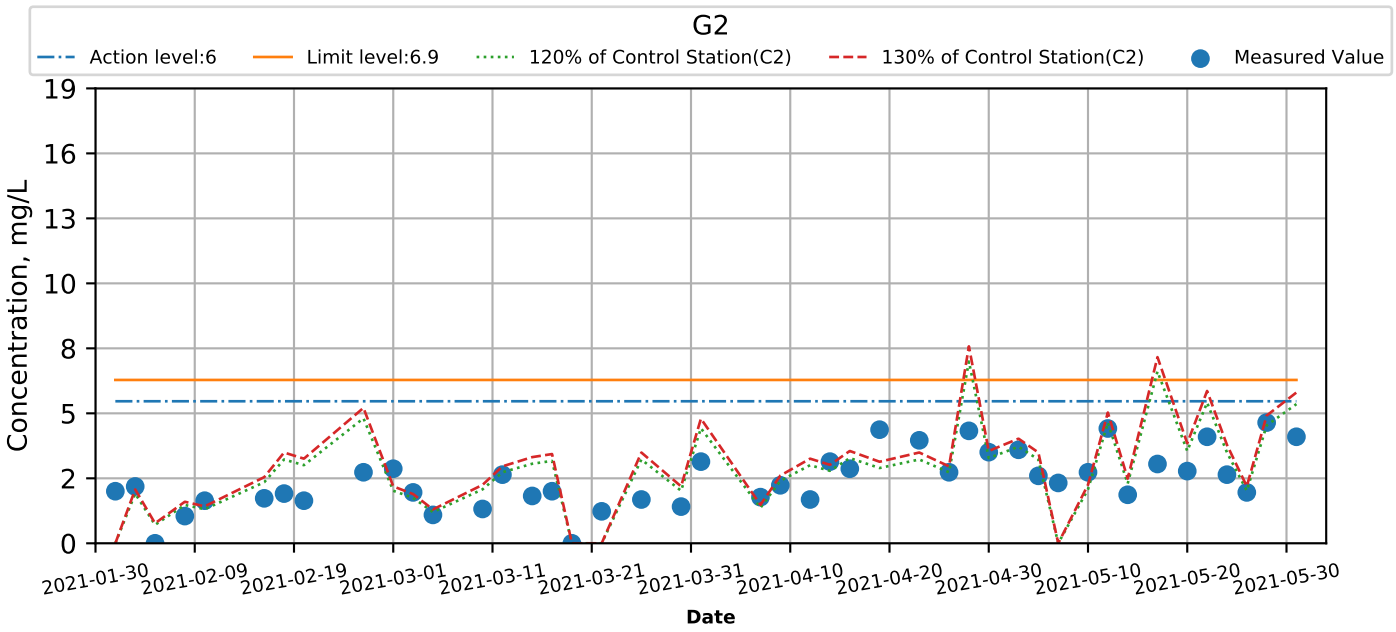


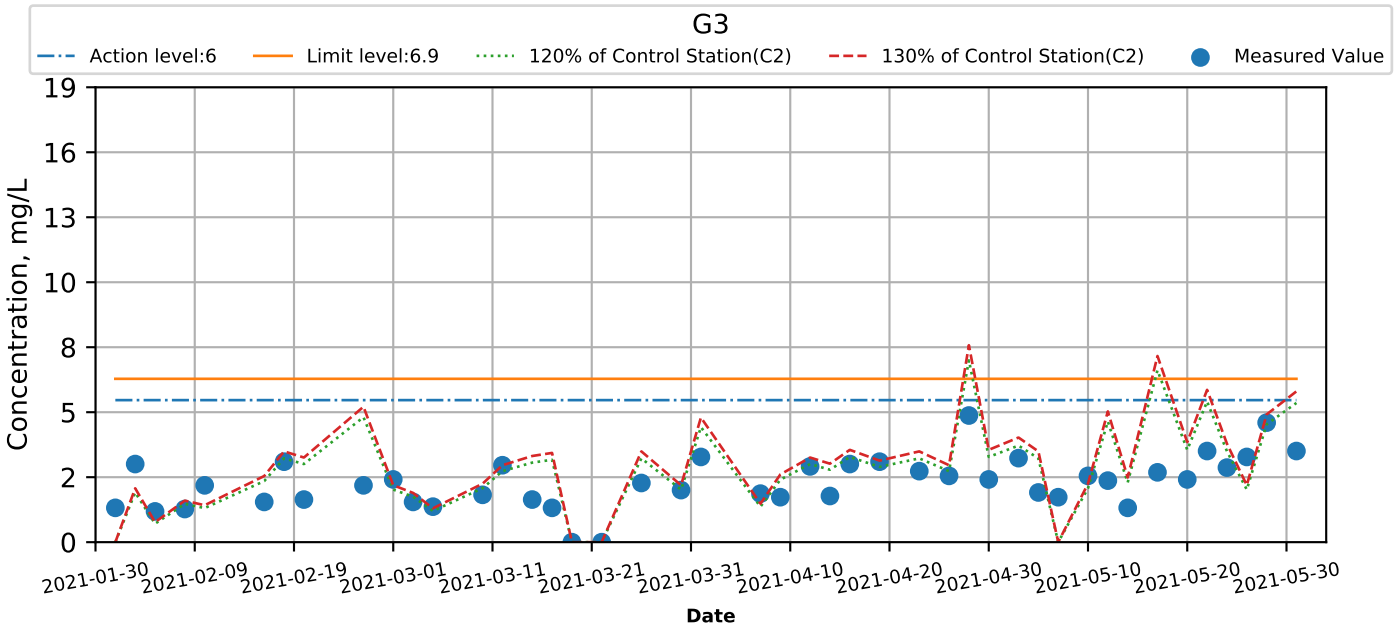


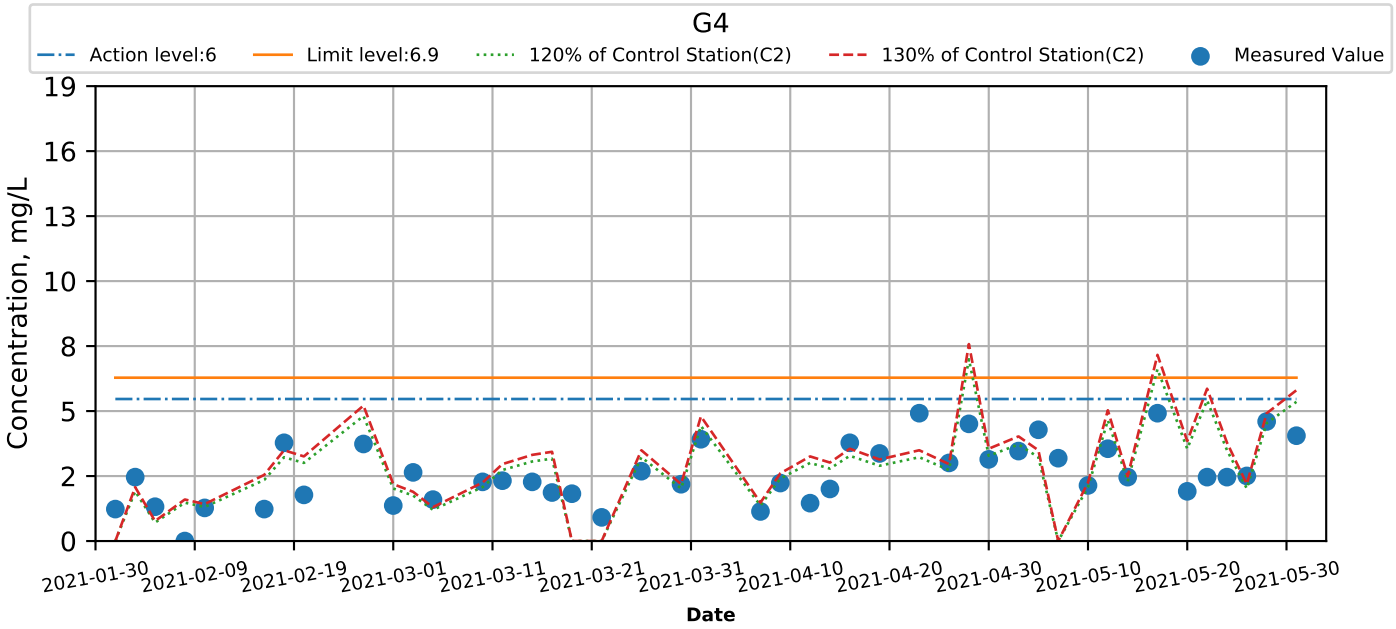


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Surface) at Monitoring Stations during Mid-Ebb

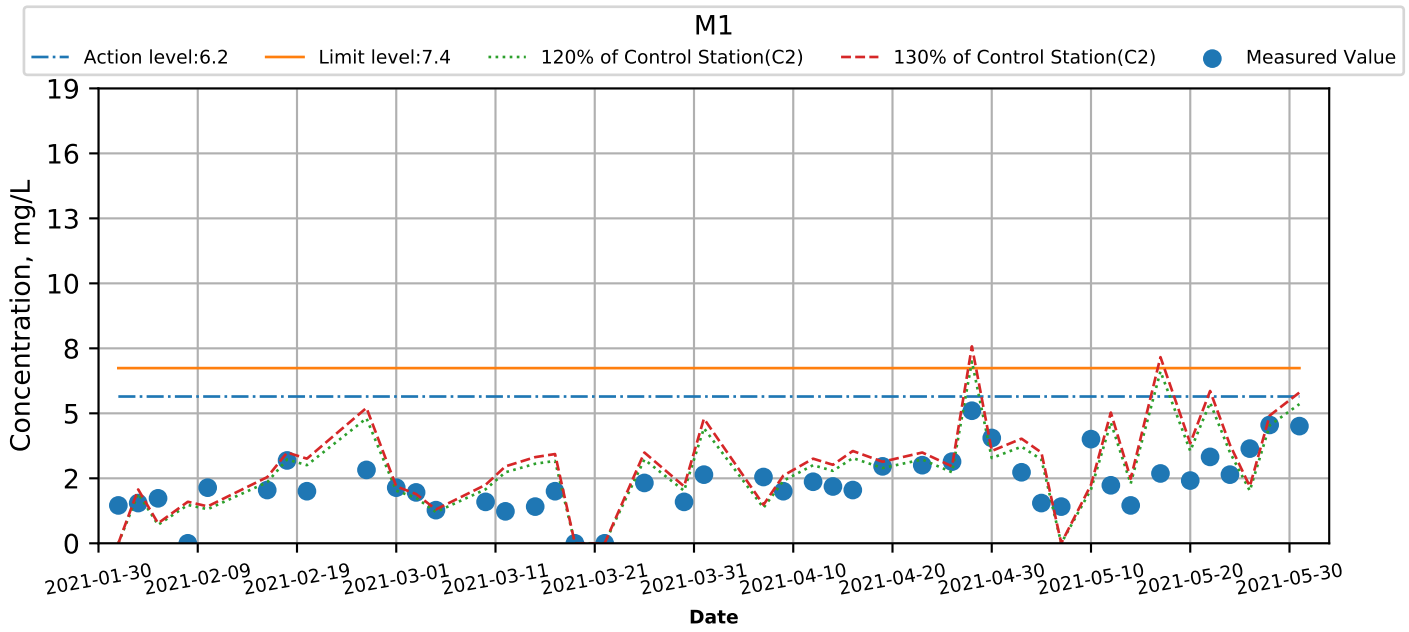


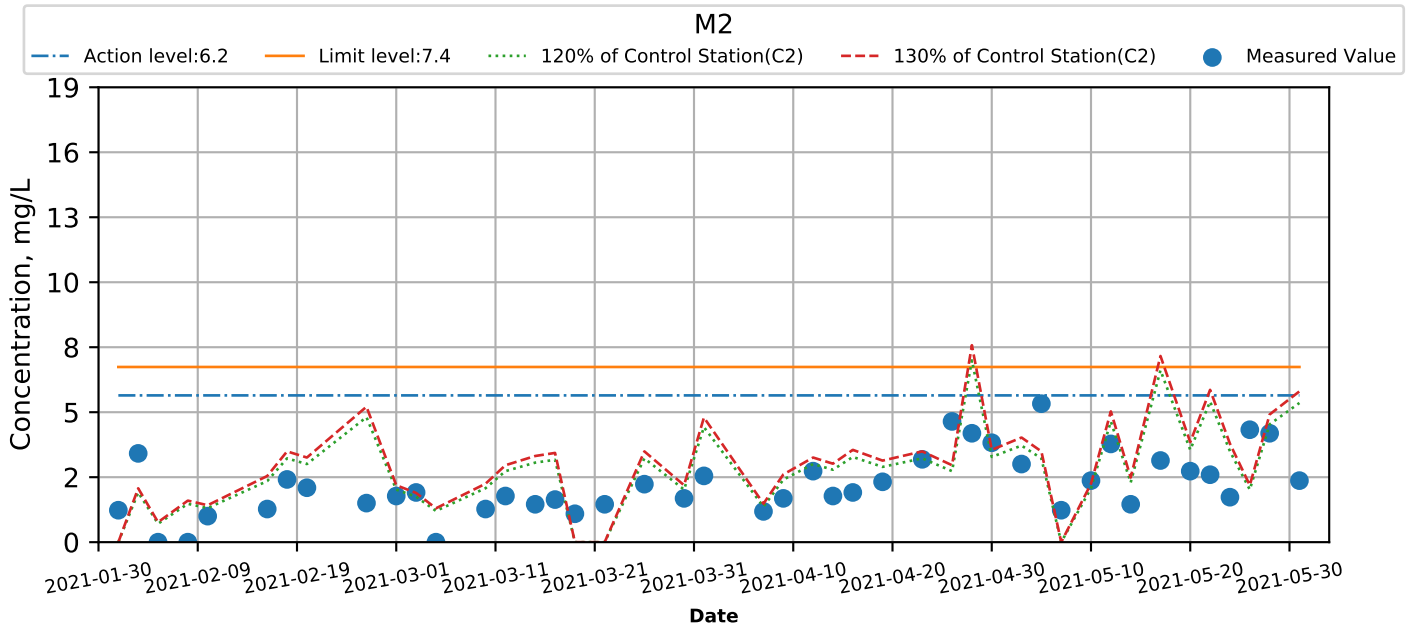


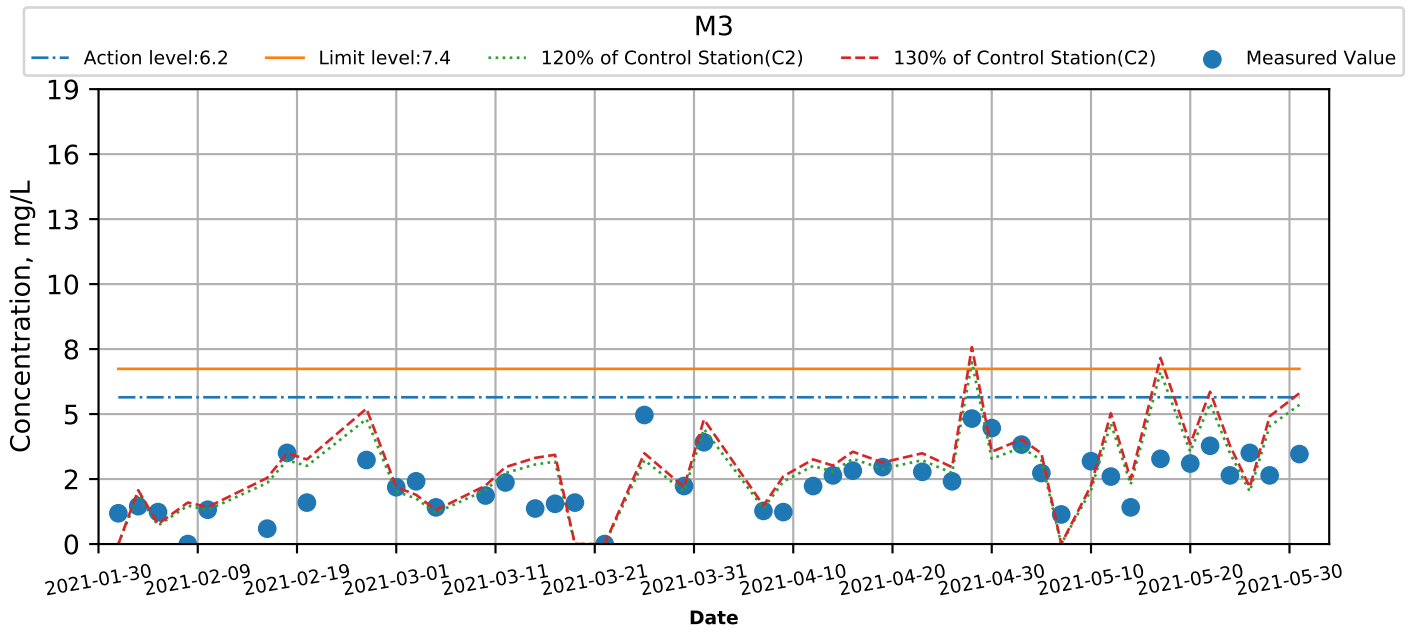


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Surface) at Monitoring Stations during Mid-Ebb

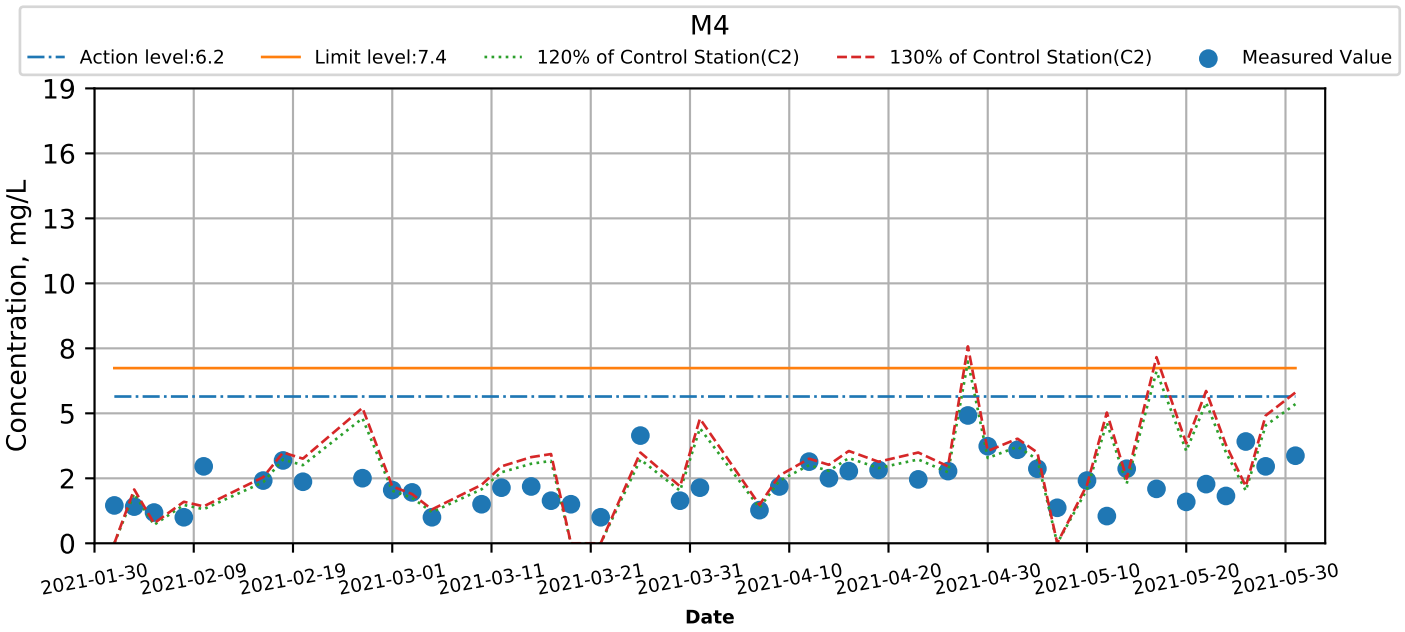


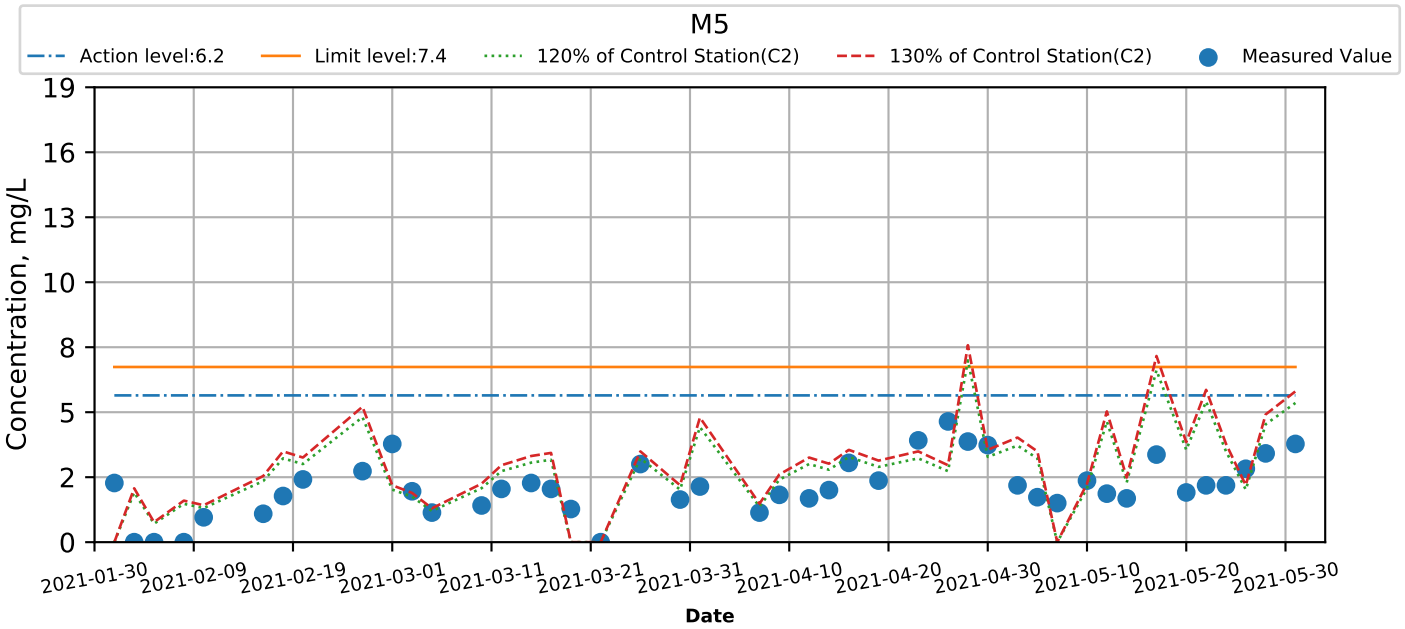




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

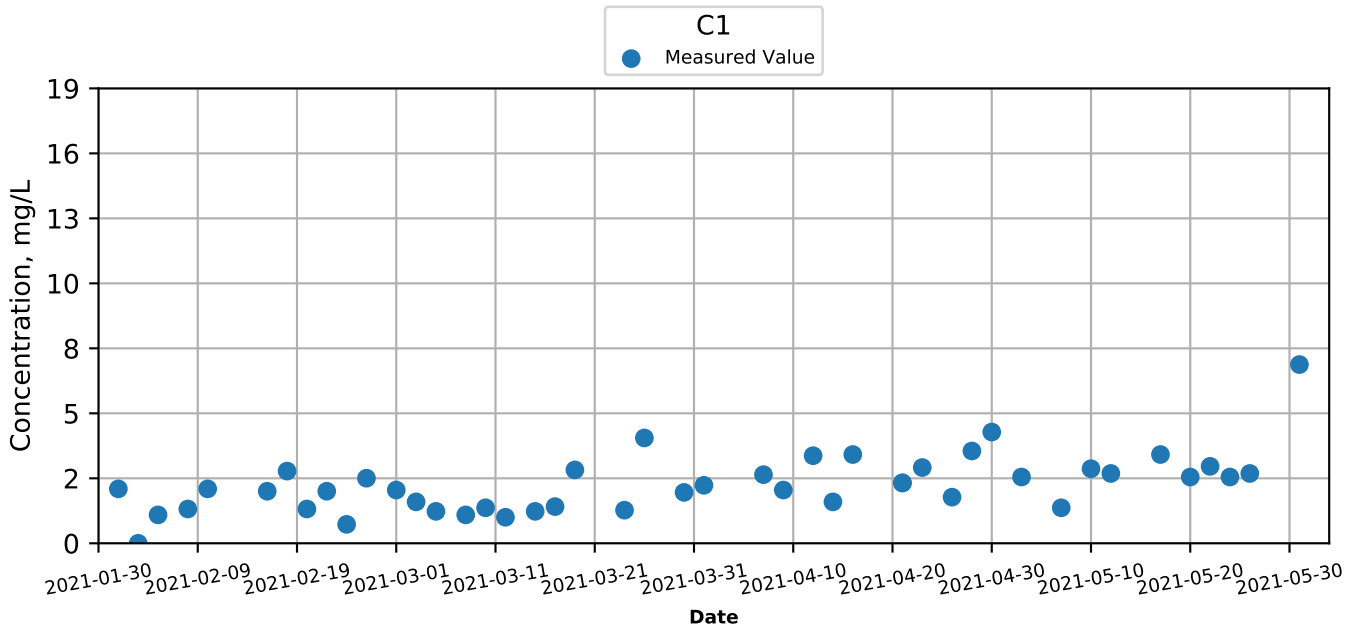
Suspended Solids (Surface) at Monitoring Stations during Mid-Ebb

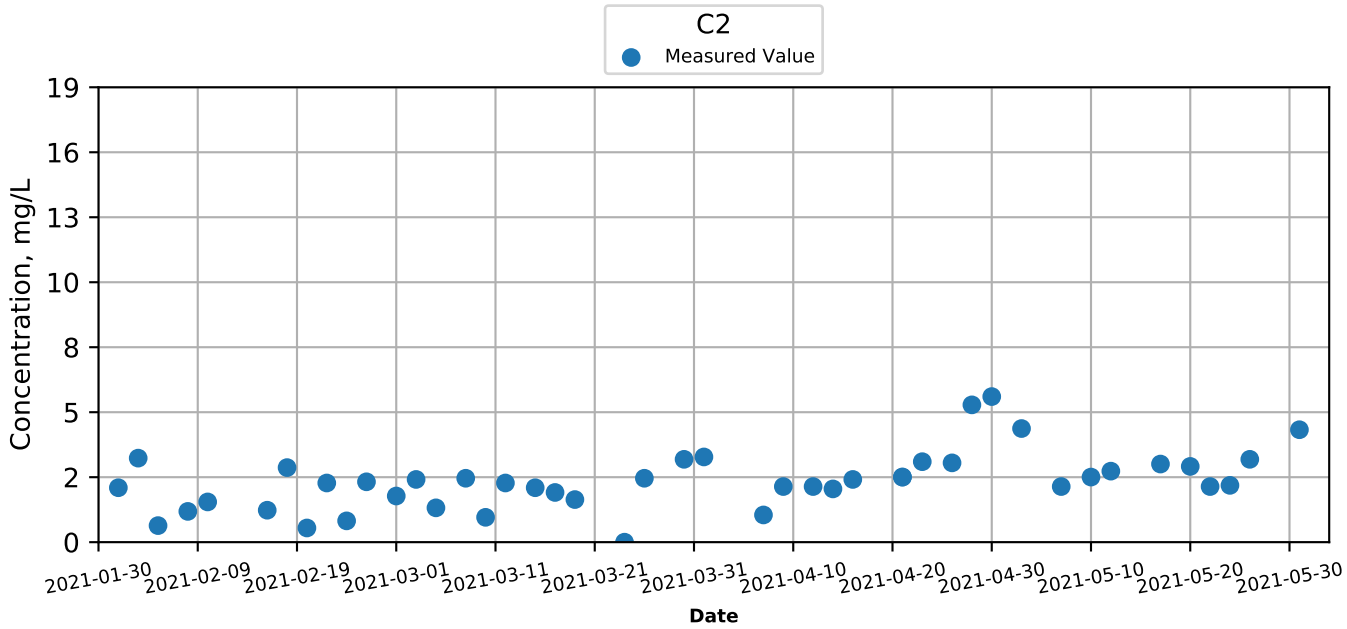


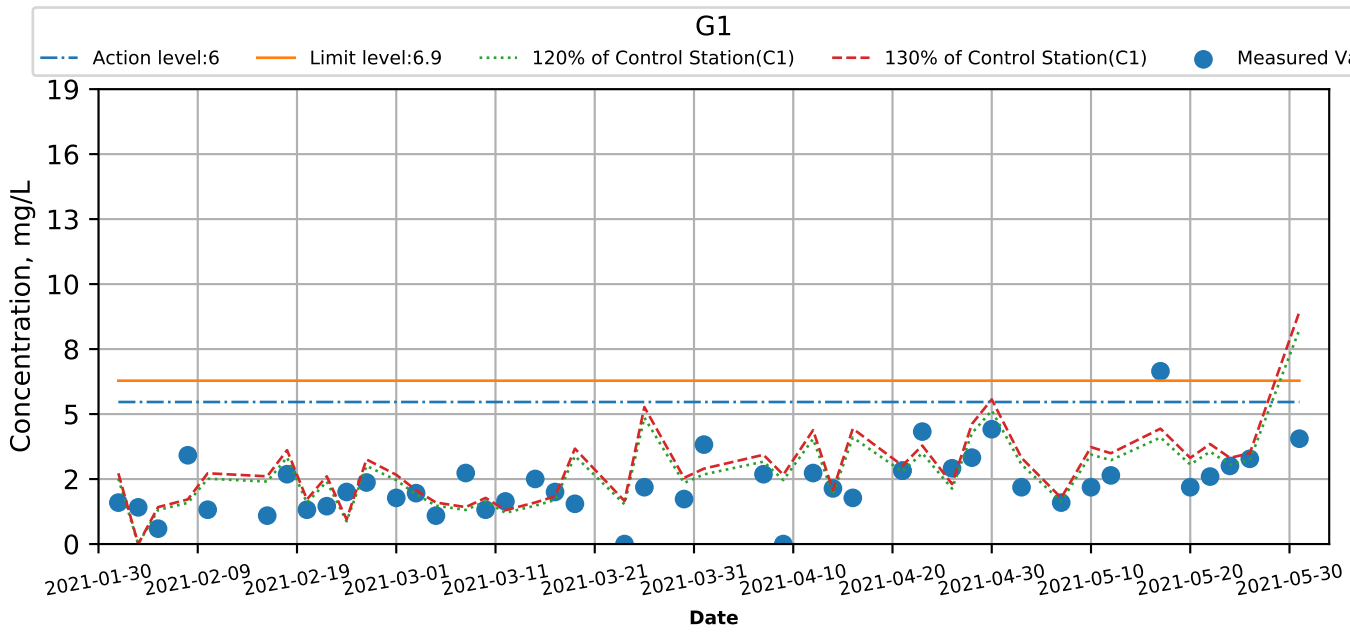


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Surface) at Monitoring Stations during Mid-Flood

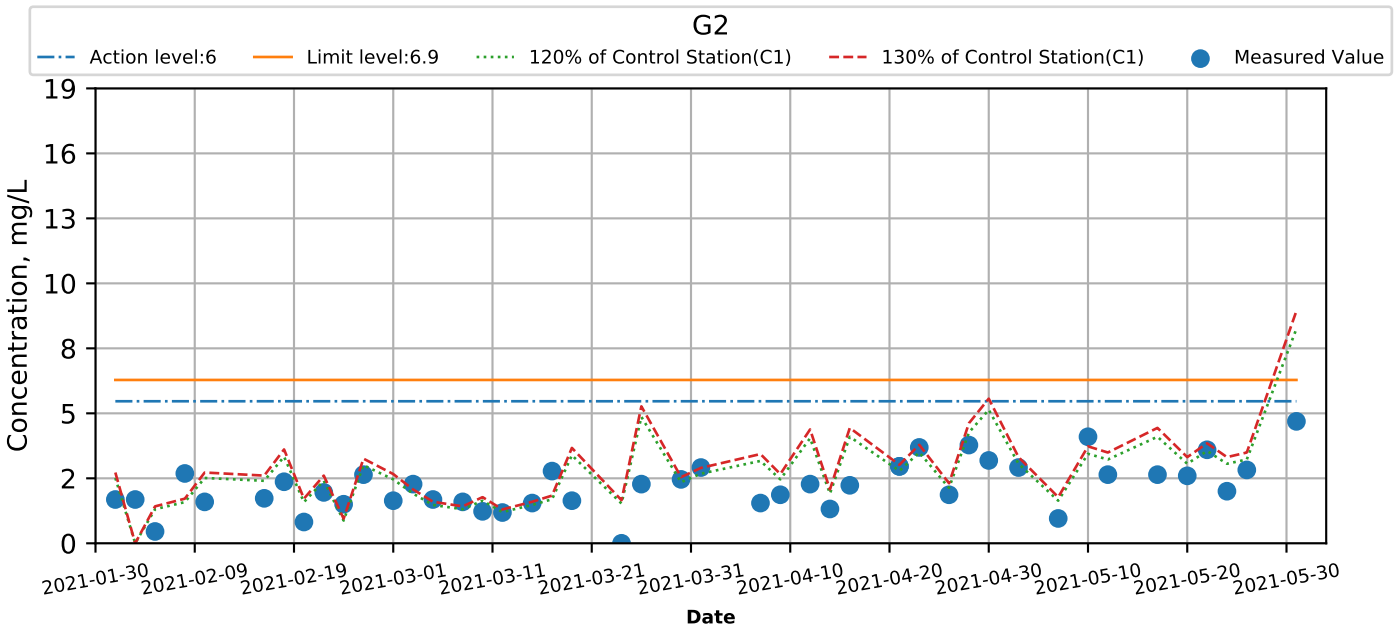


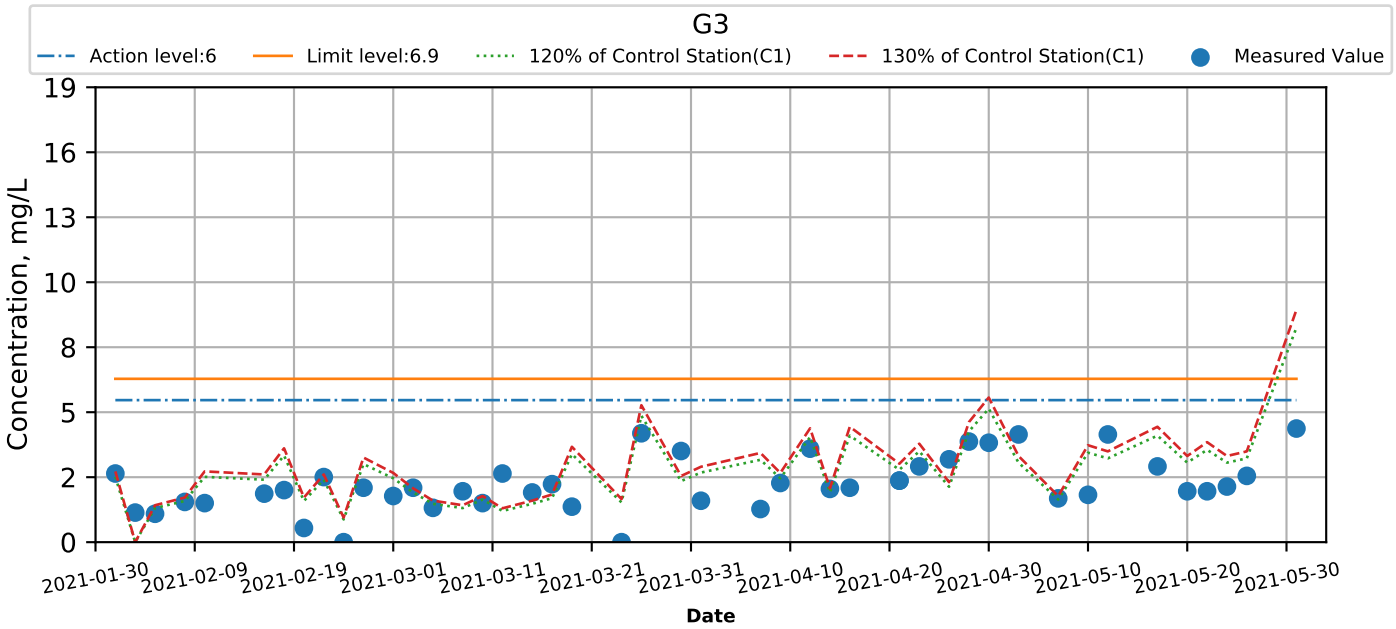


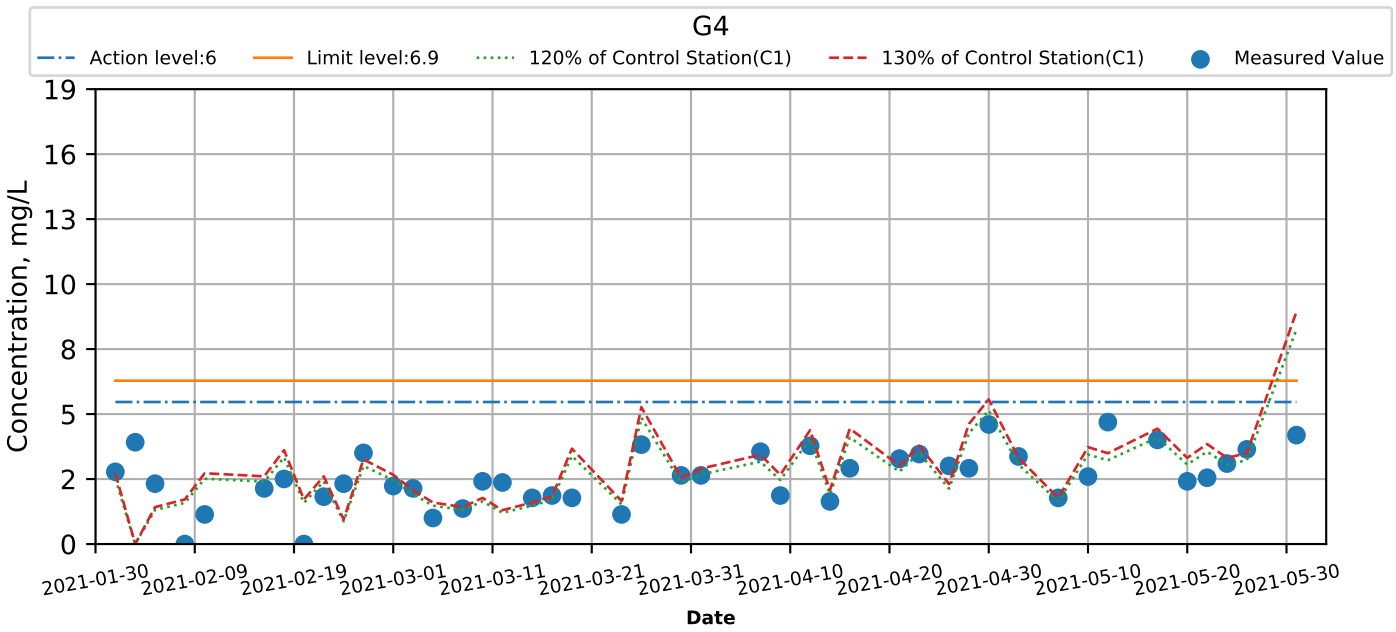


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Surface) at Monitoring Stations during Mid-Flood

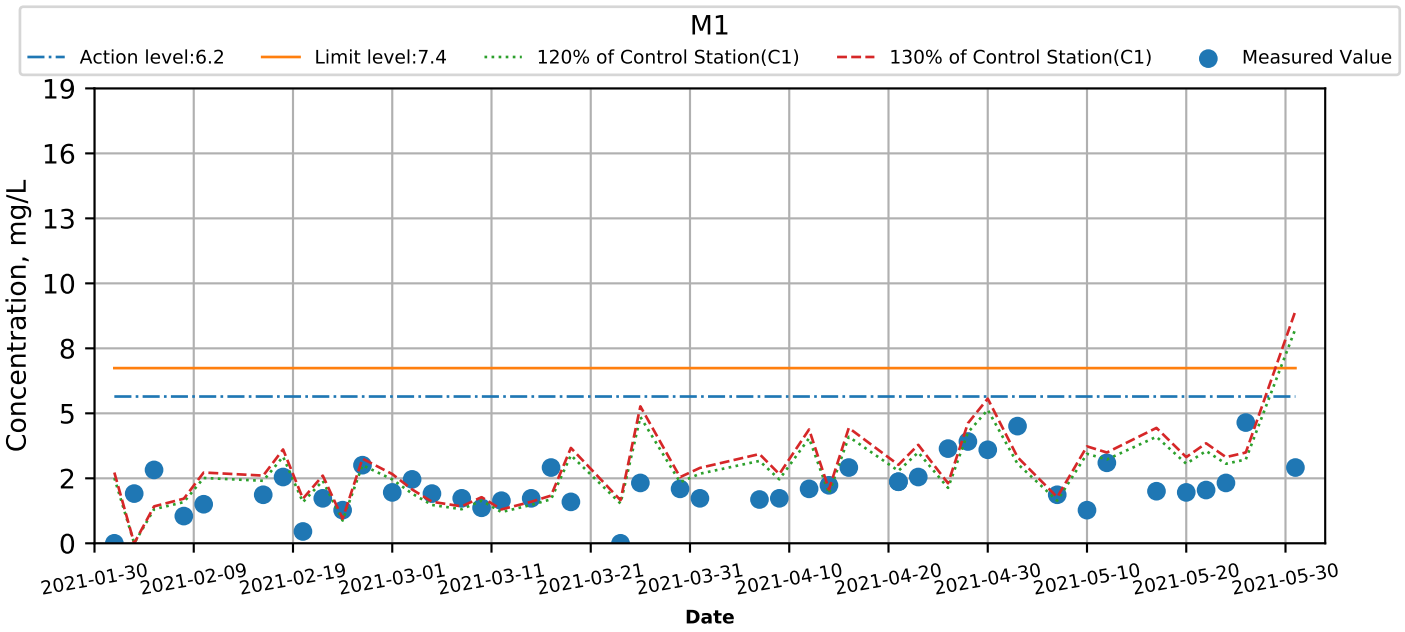


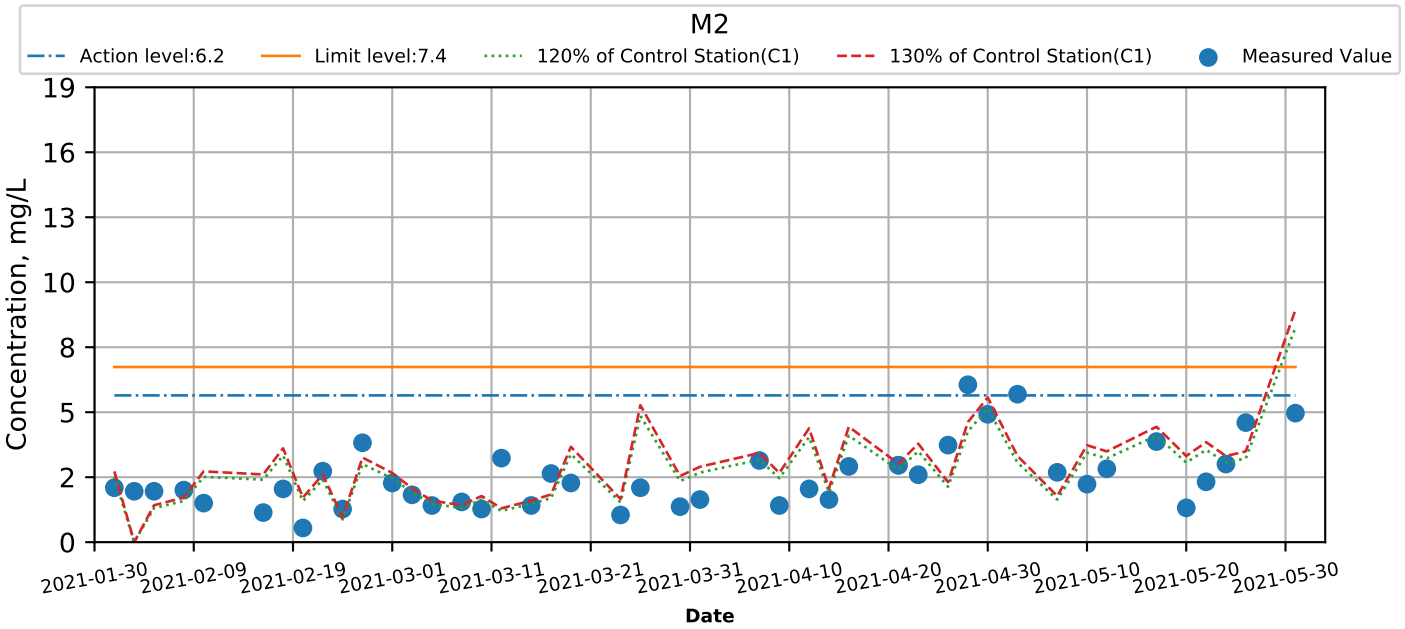


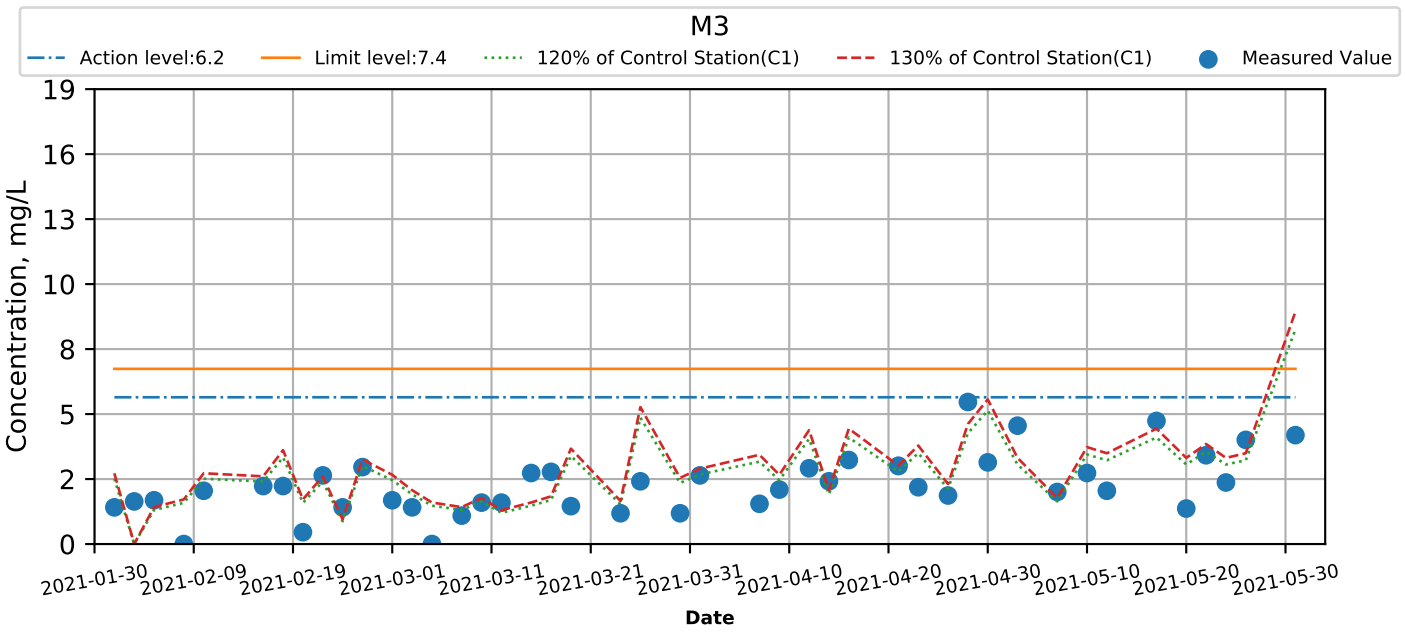


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Surface) at Monitoring Stations during Mid-Flood

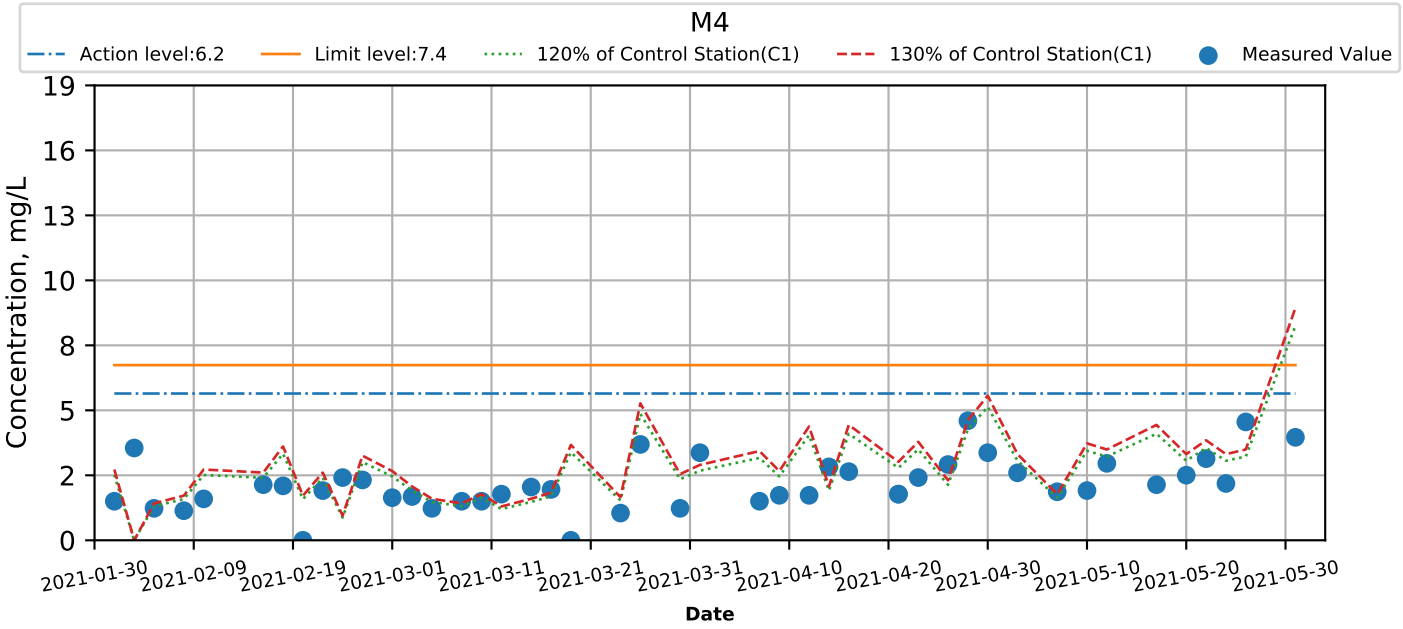


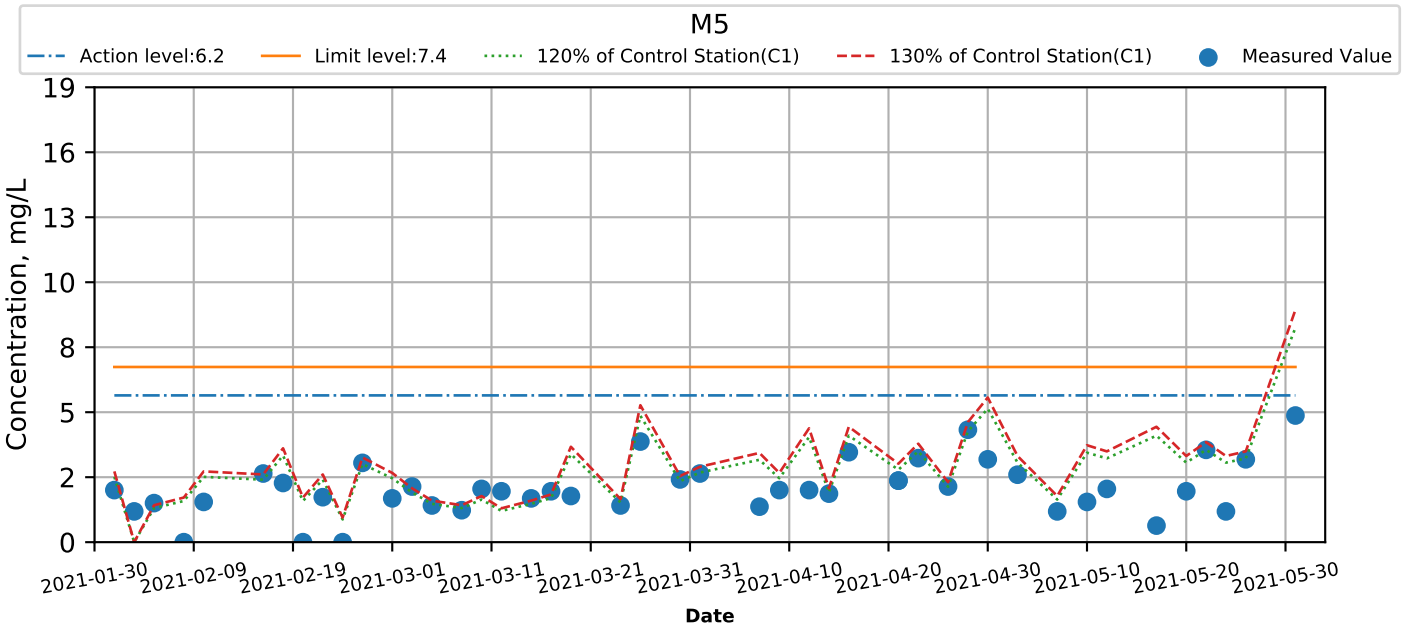




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

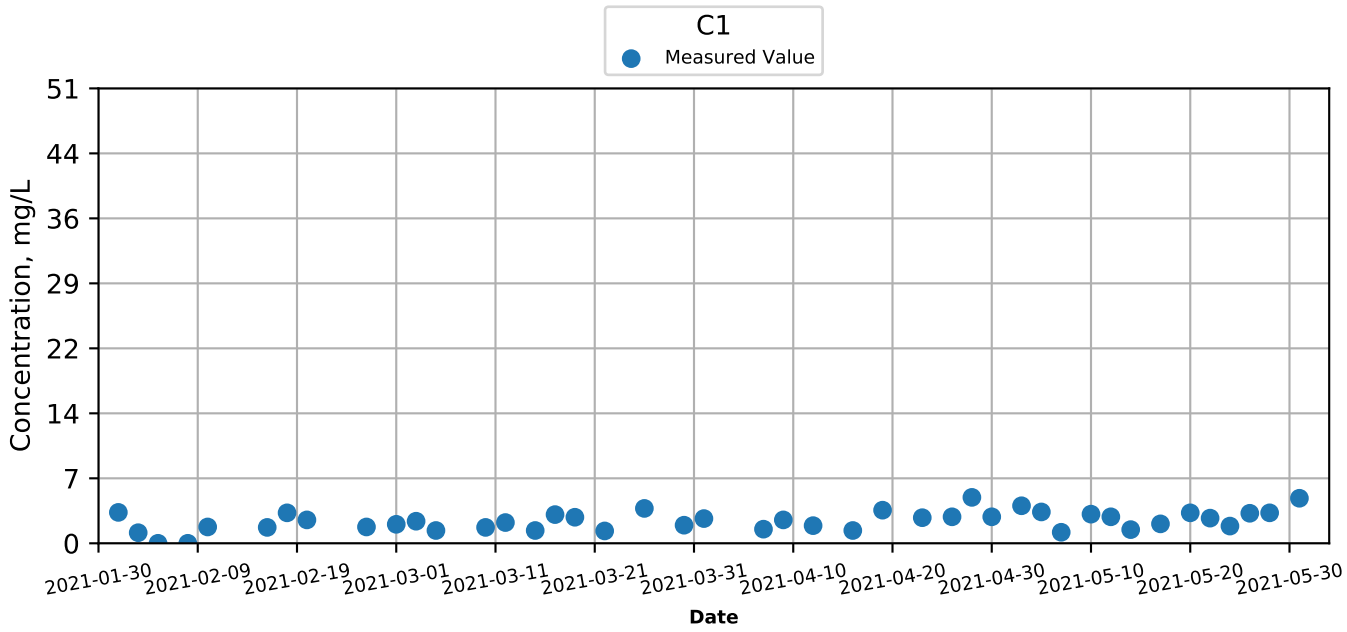
Suspended Solids (Surface) at Monitoring Stations during Mid-Flood

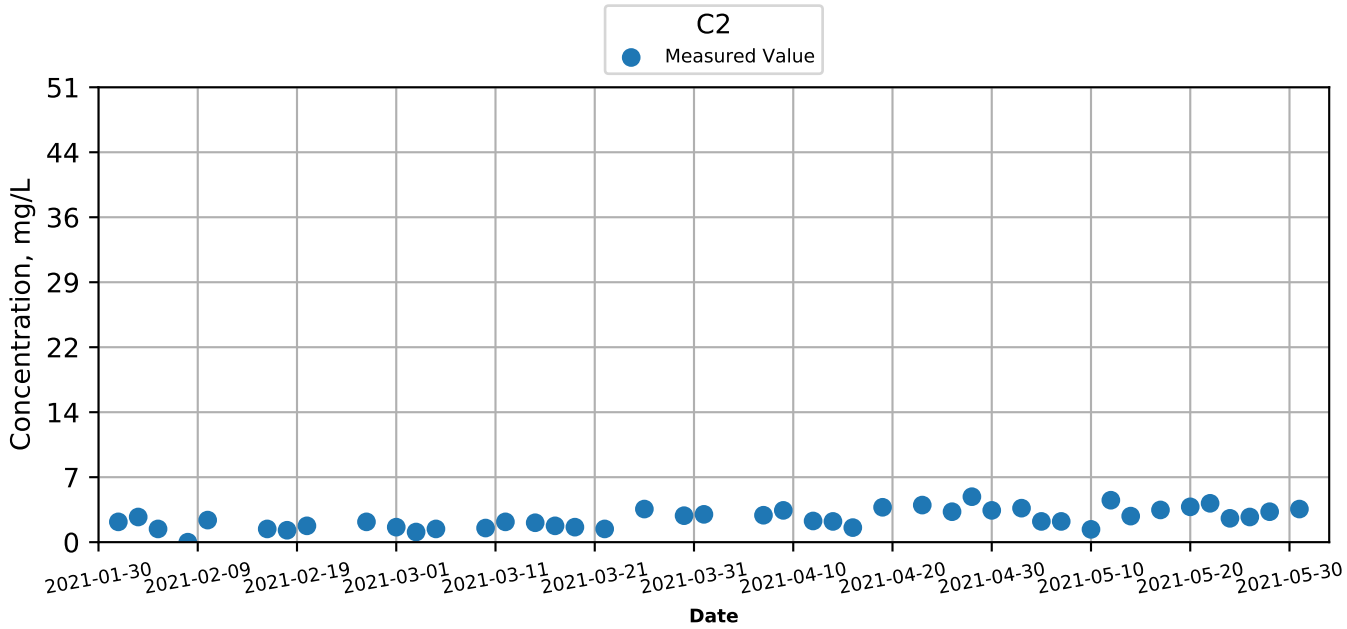


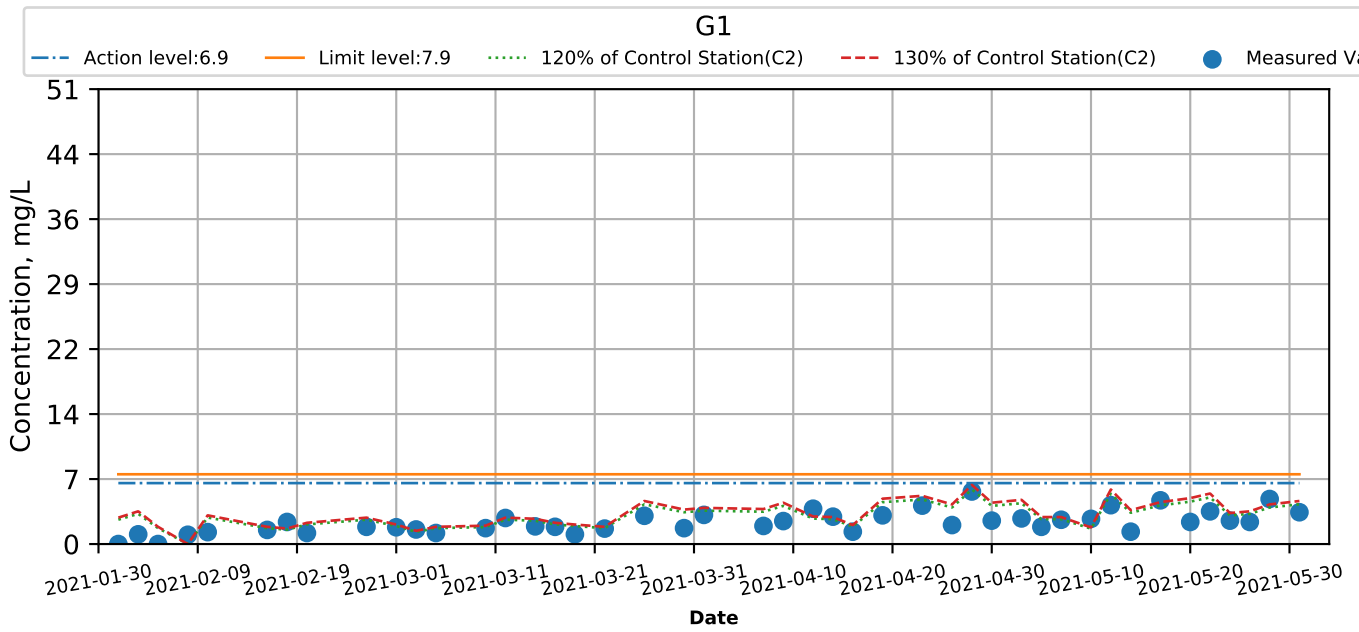


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Bottom) at Monitoring Stations during Mid-Ebb

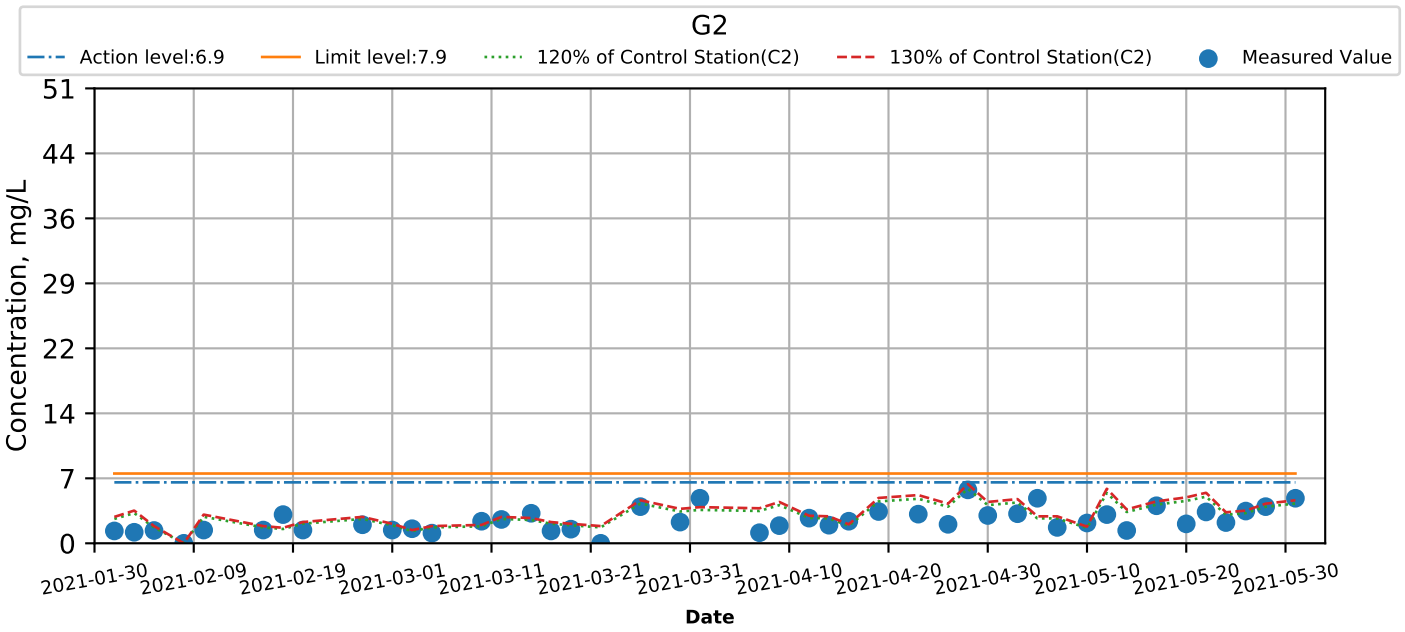


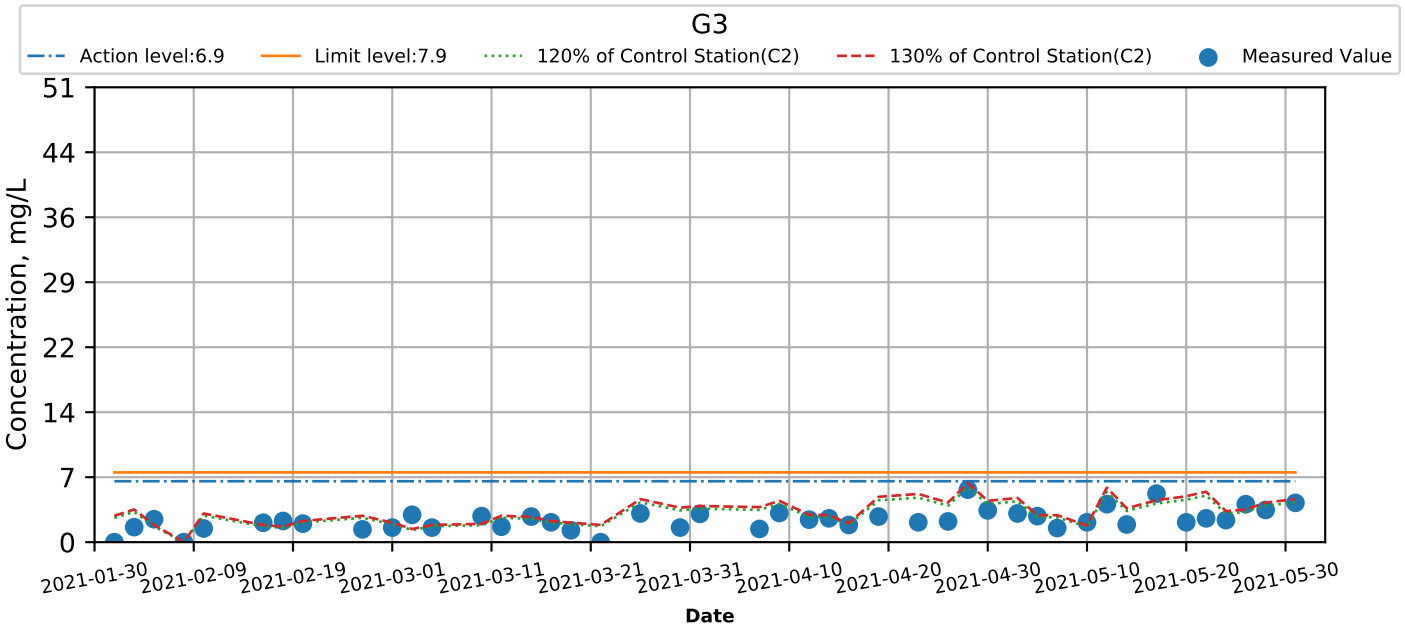


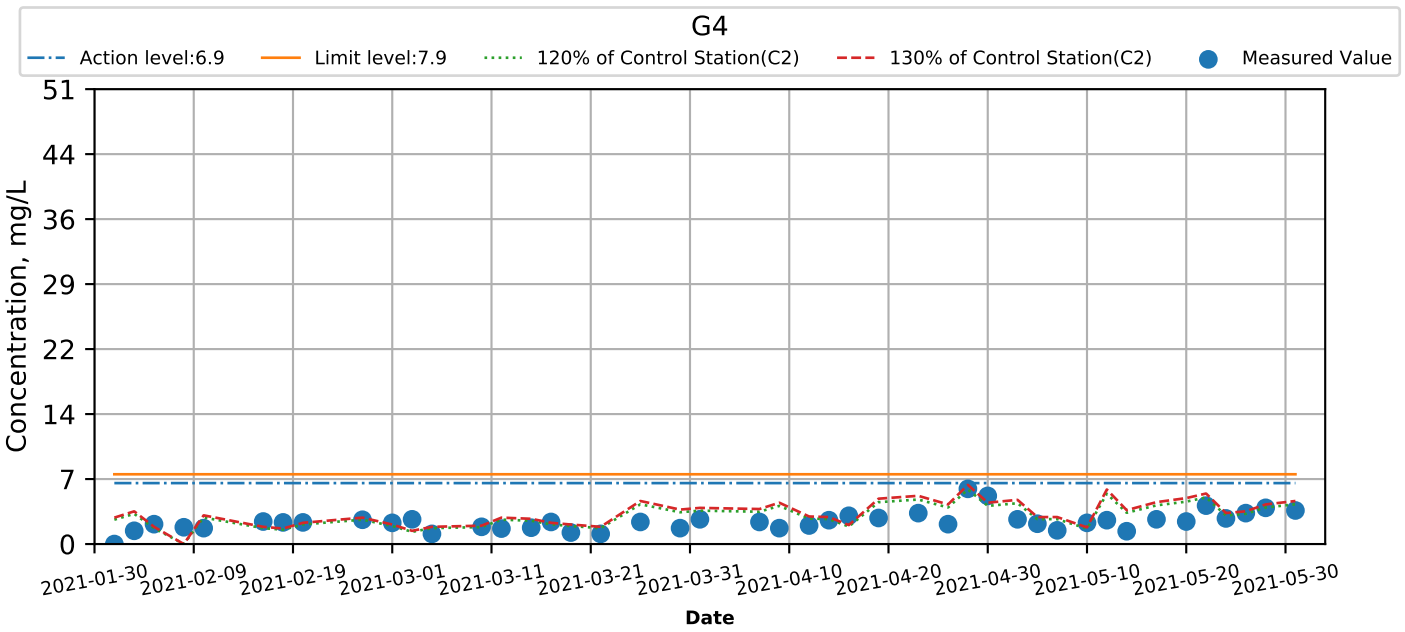


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Bottom) at Monitoring Stations during Mid-Ebb

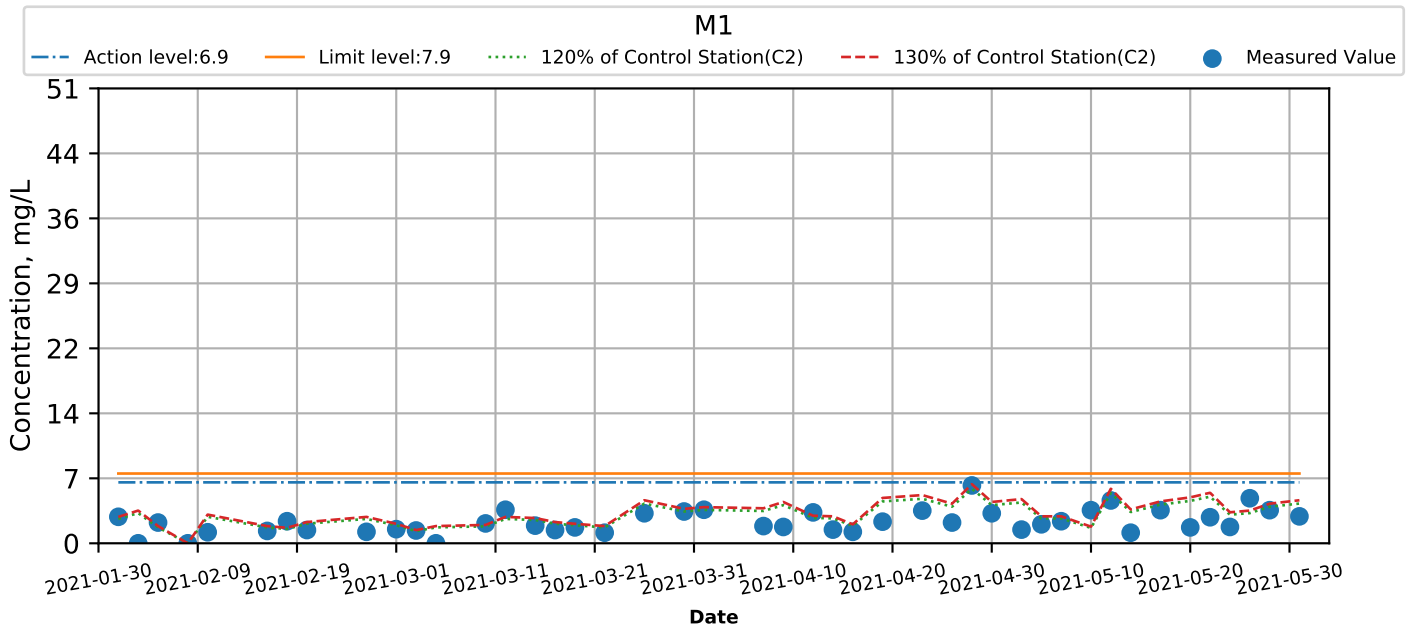


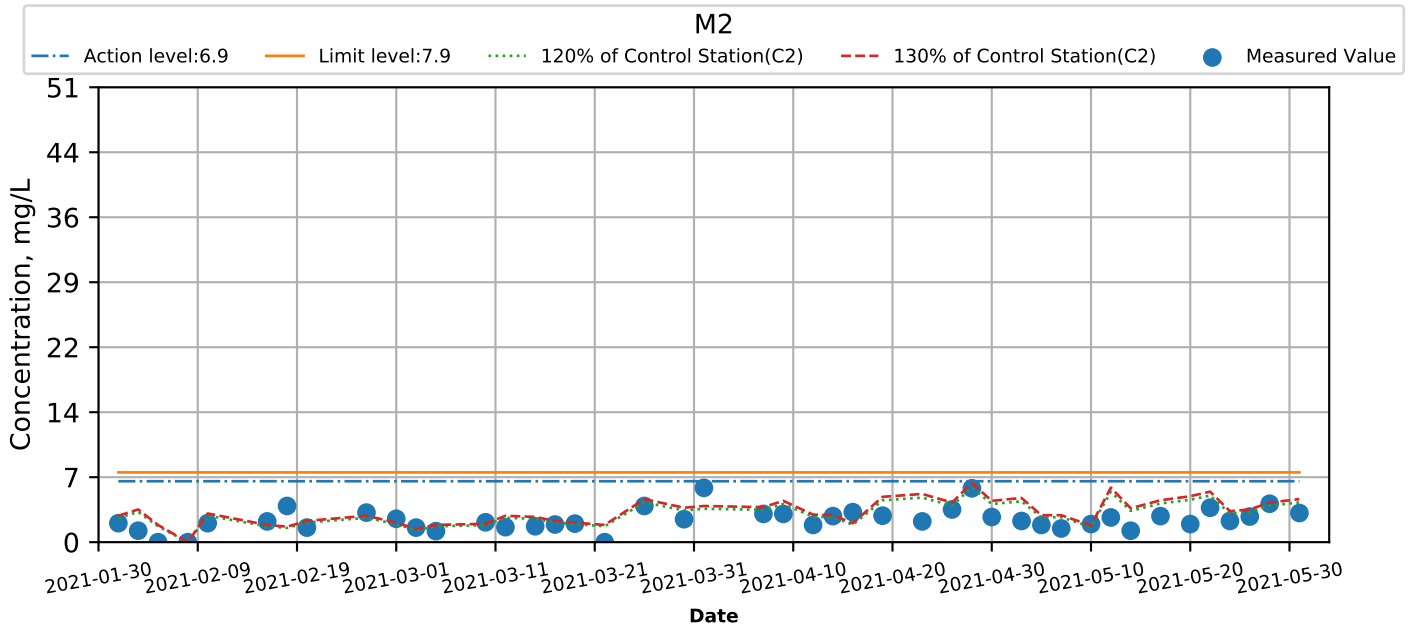


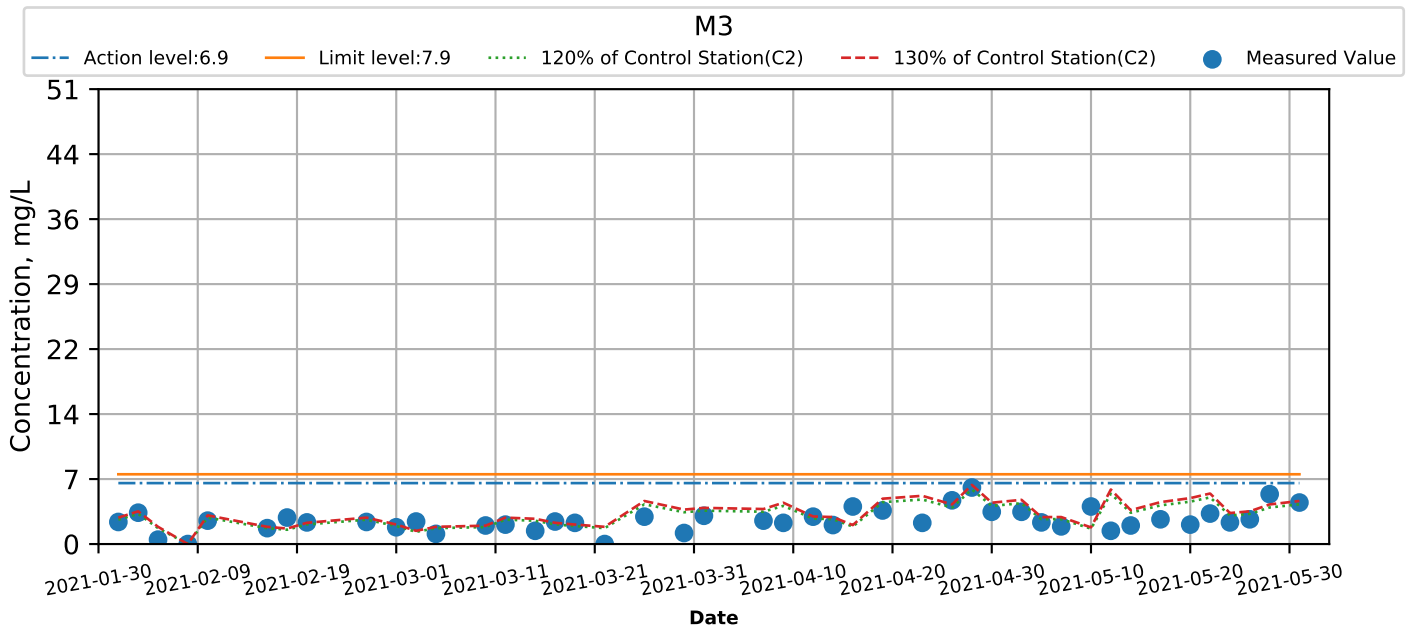


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Bottom) at Monitoring Stations during Mid-Ebb

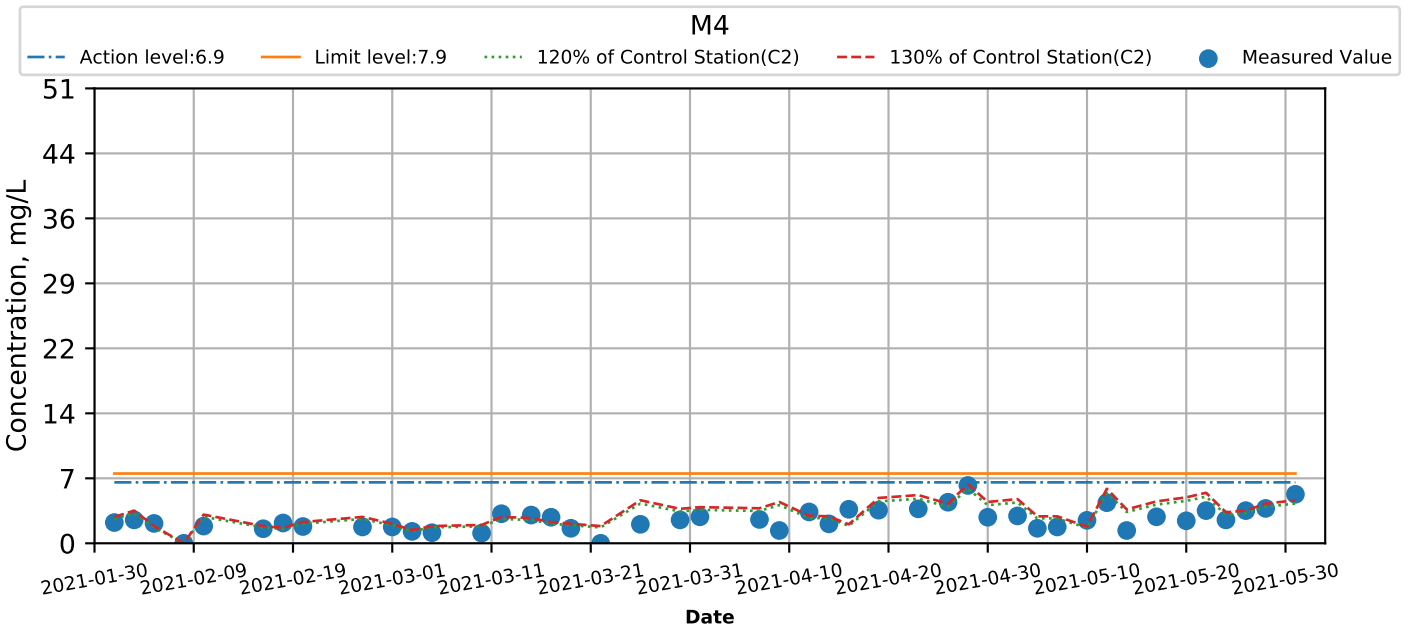


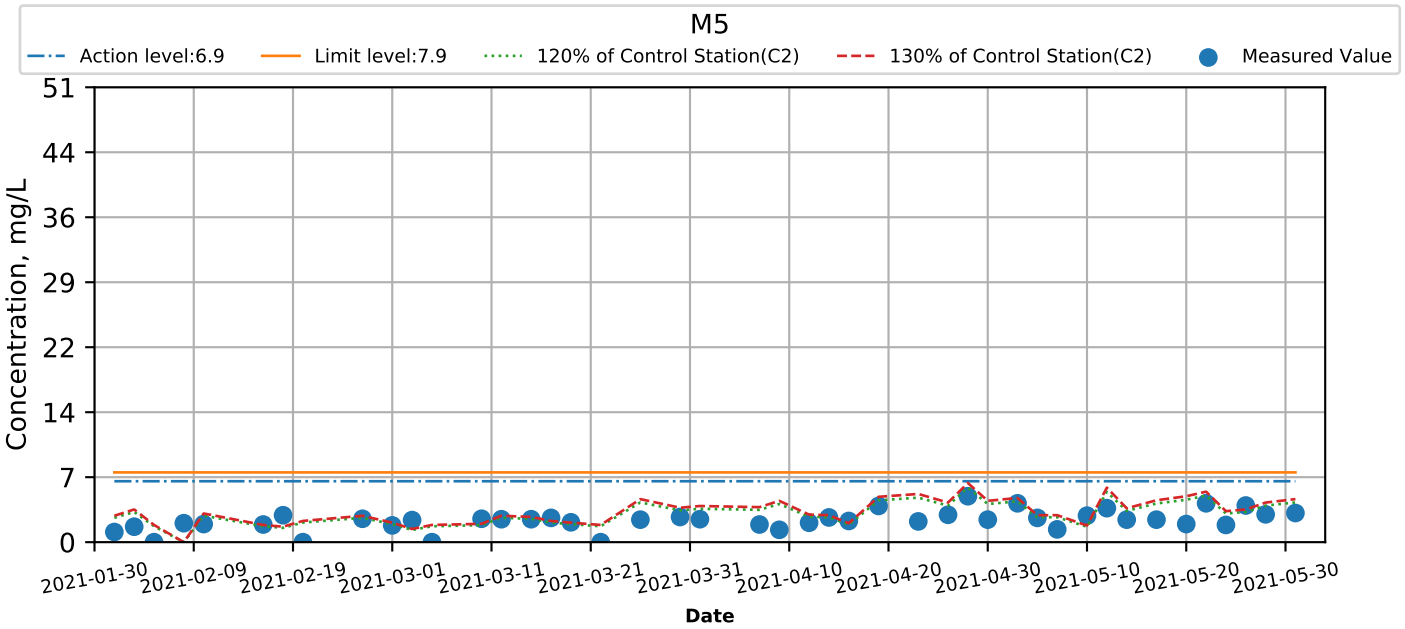




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

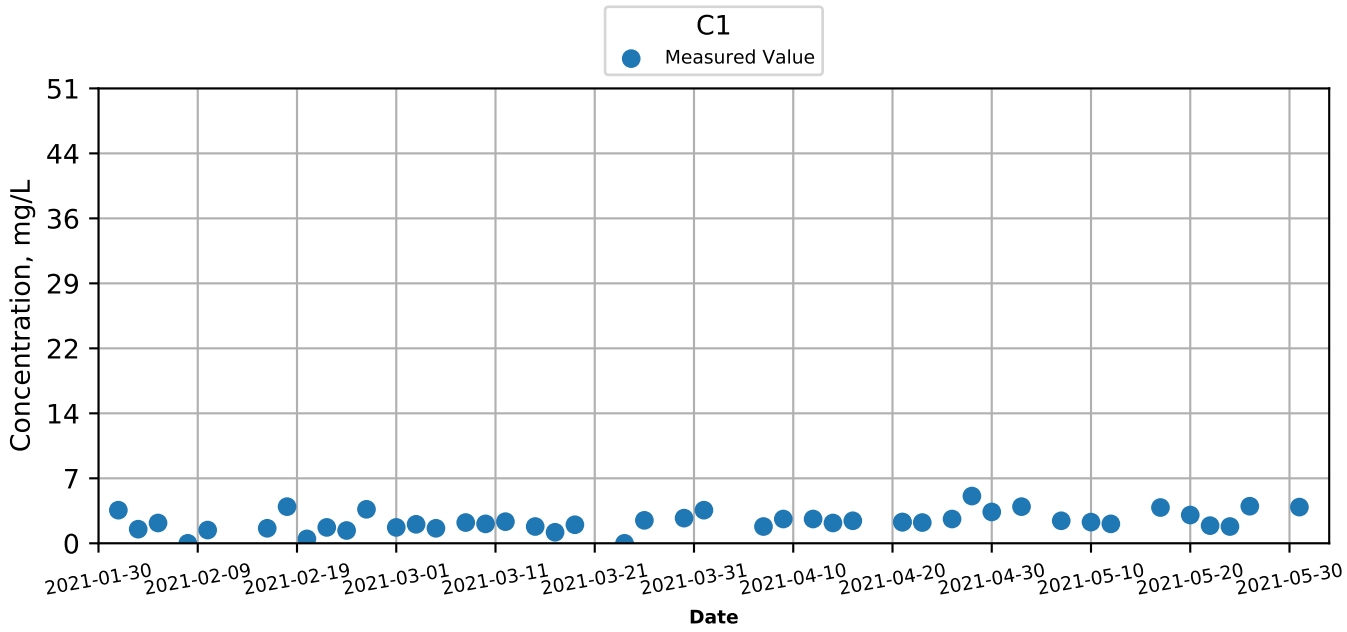
Suspended Solids (Bottom) at Monitoring Stations during Mid-Ebb

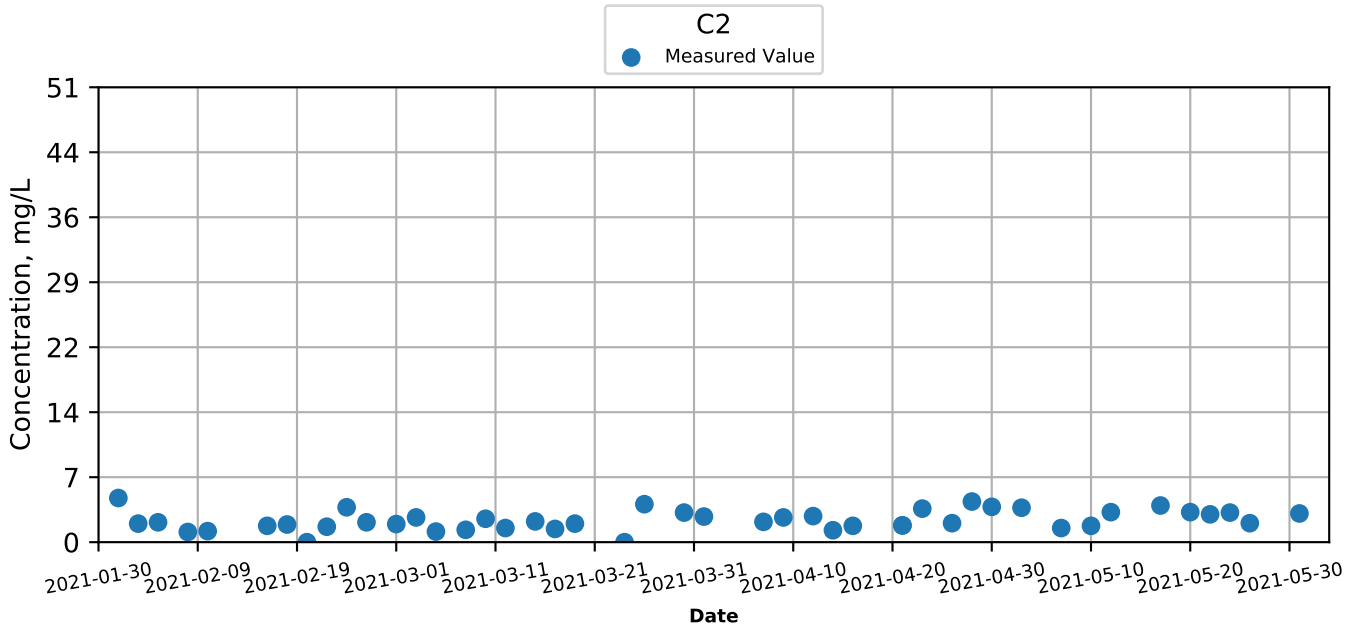


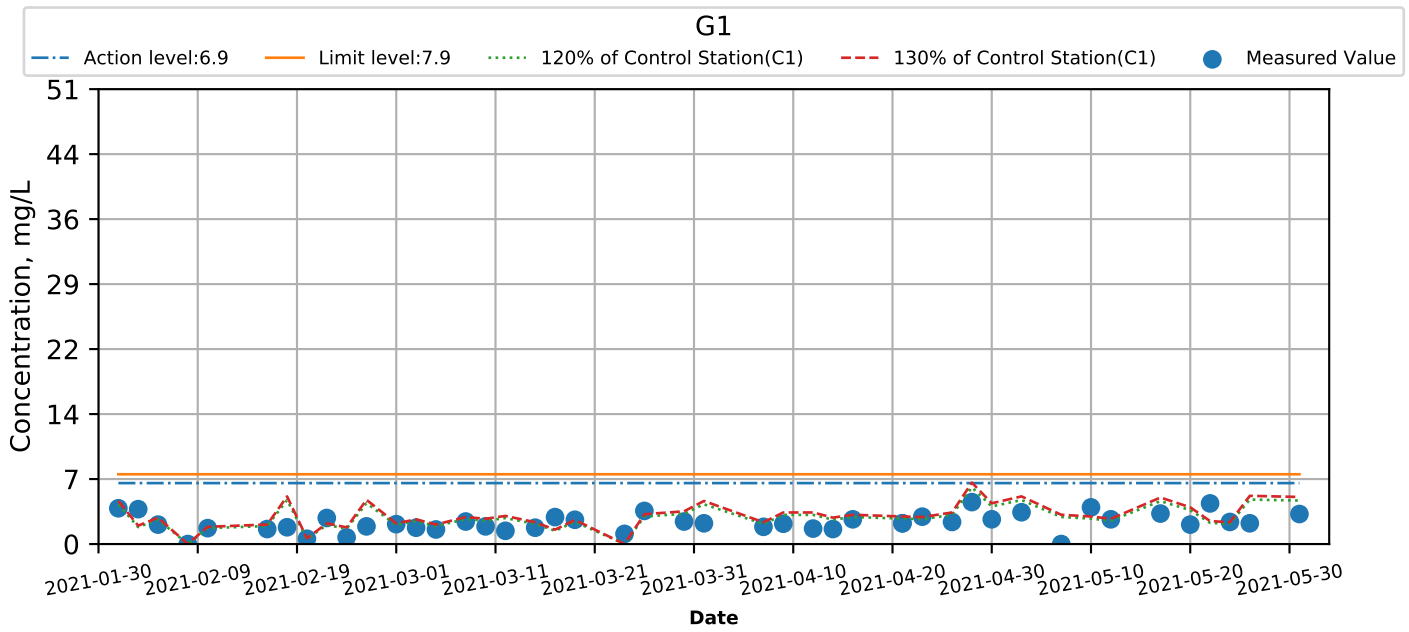


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Bottom) at Monitoring Stations during Mid-Flood

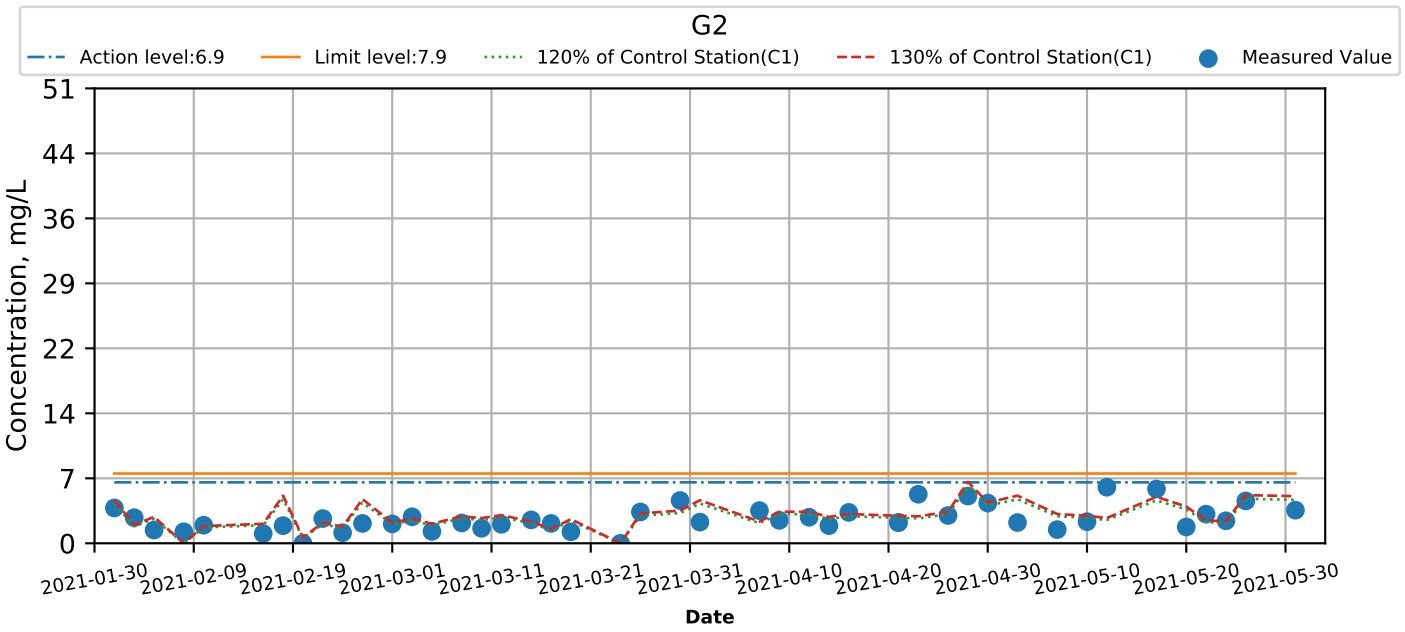


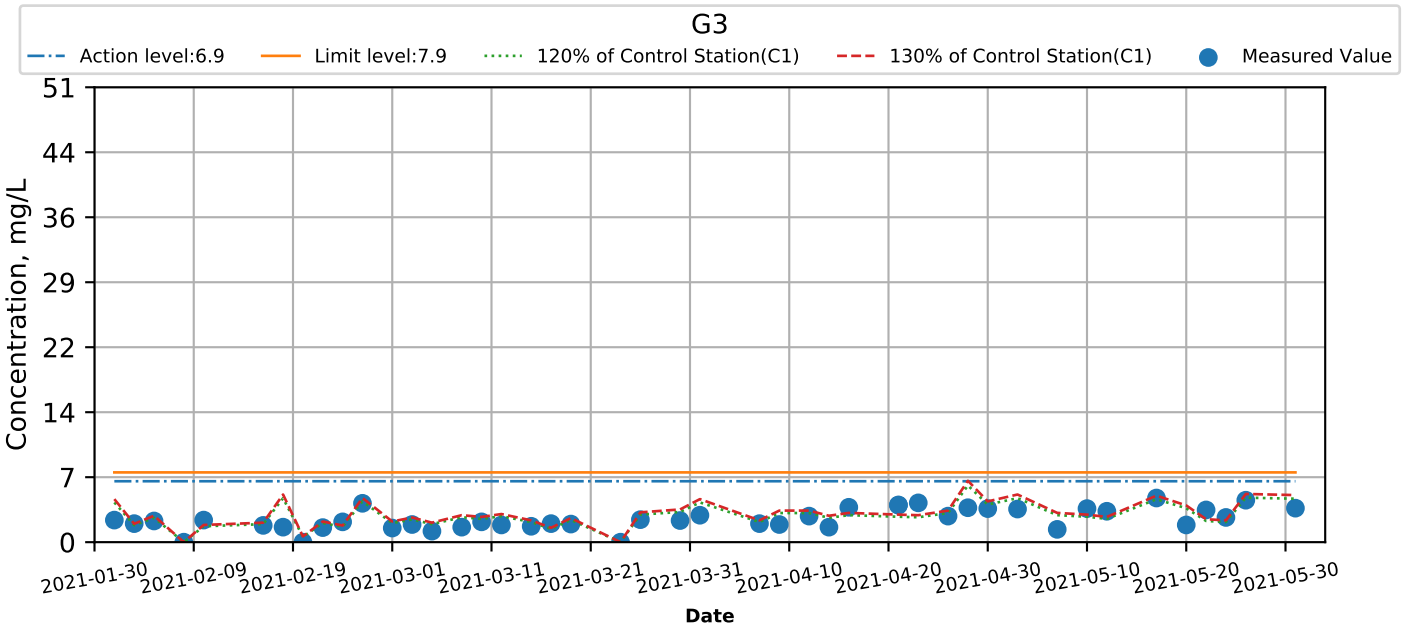


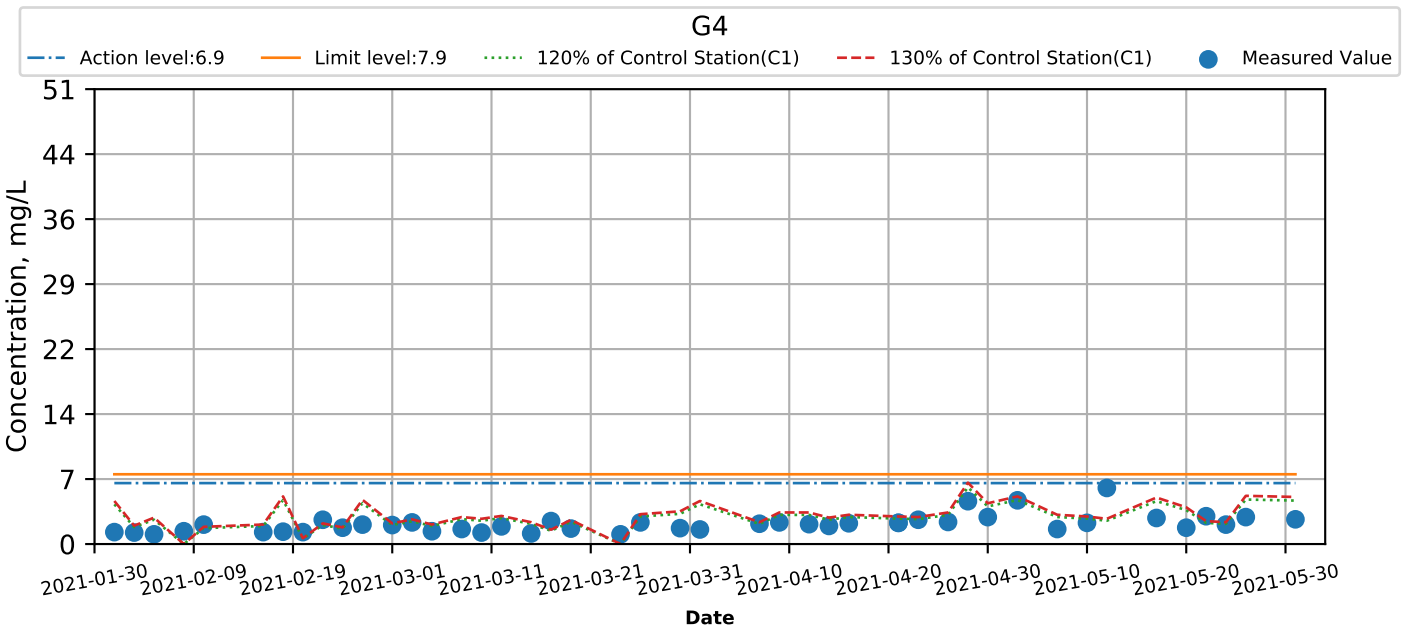


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Bottom) at Monitoring Stations during Mid-Flood

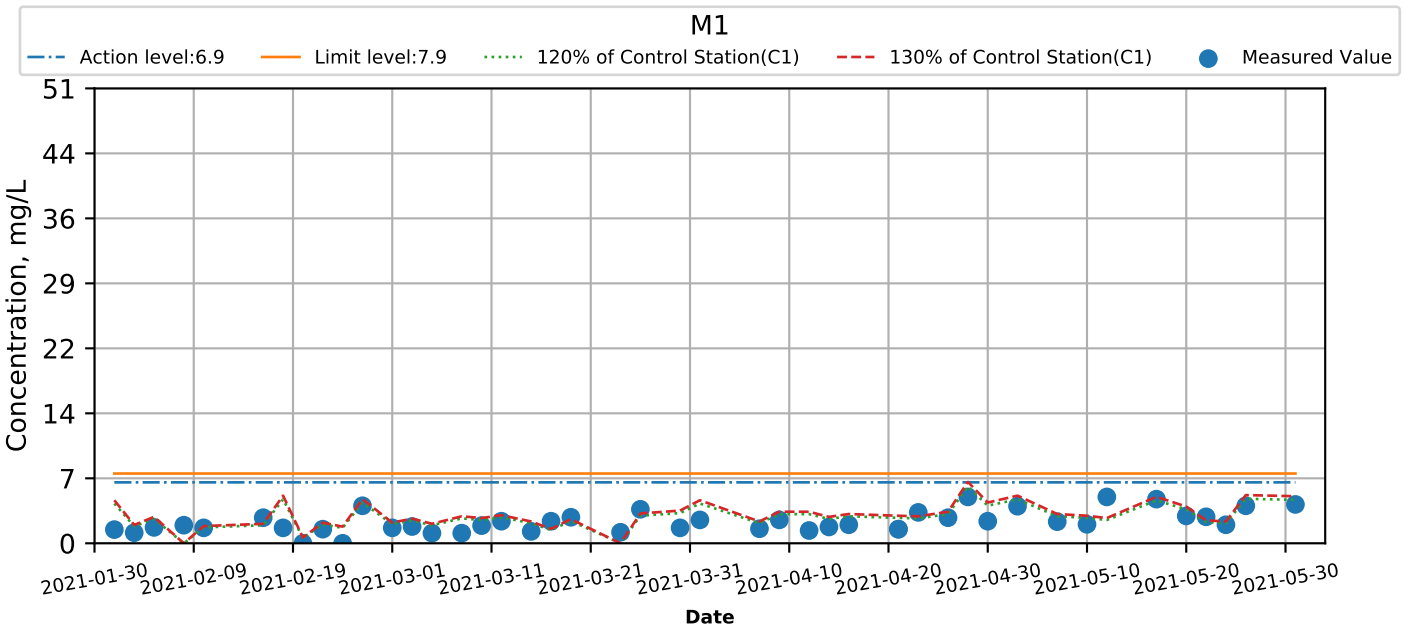


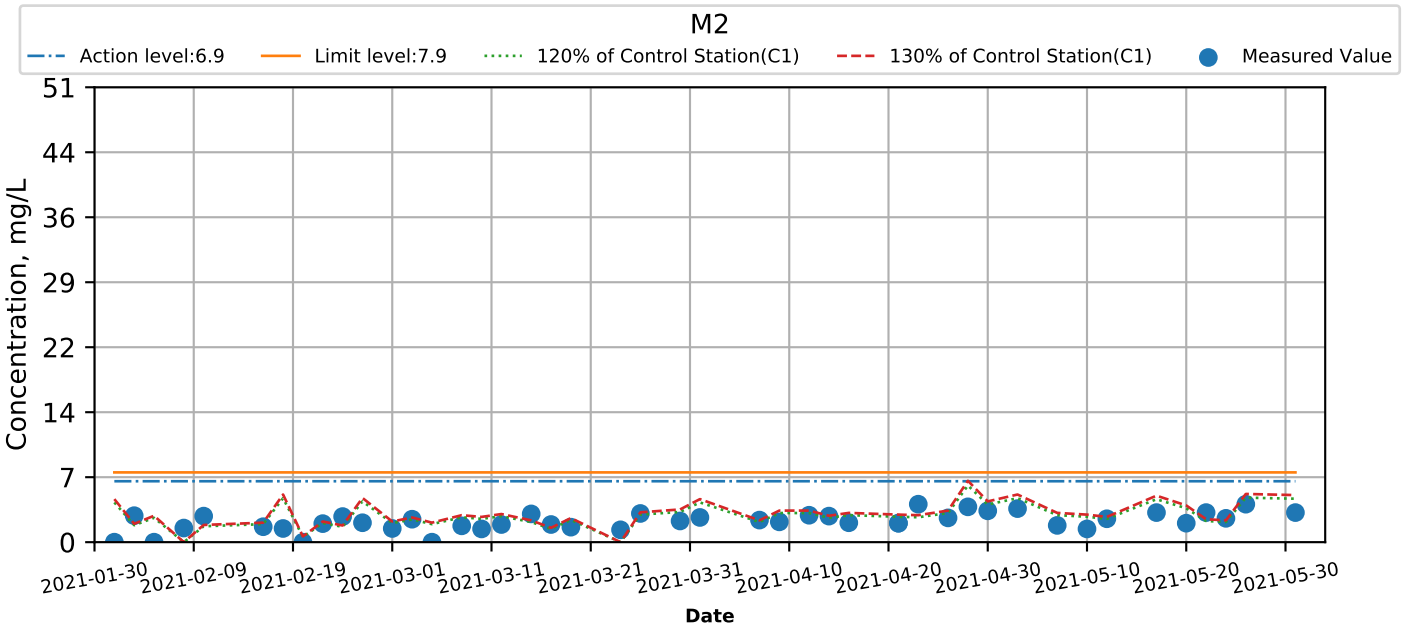


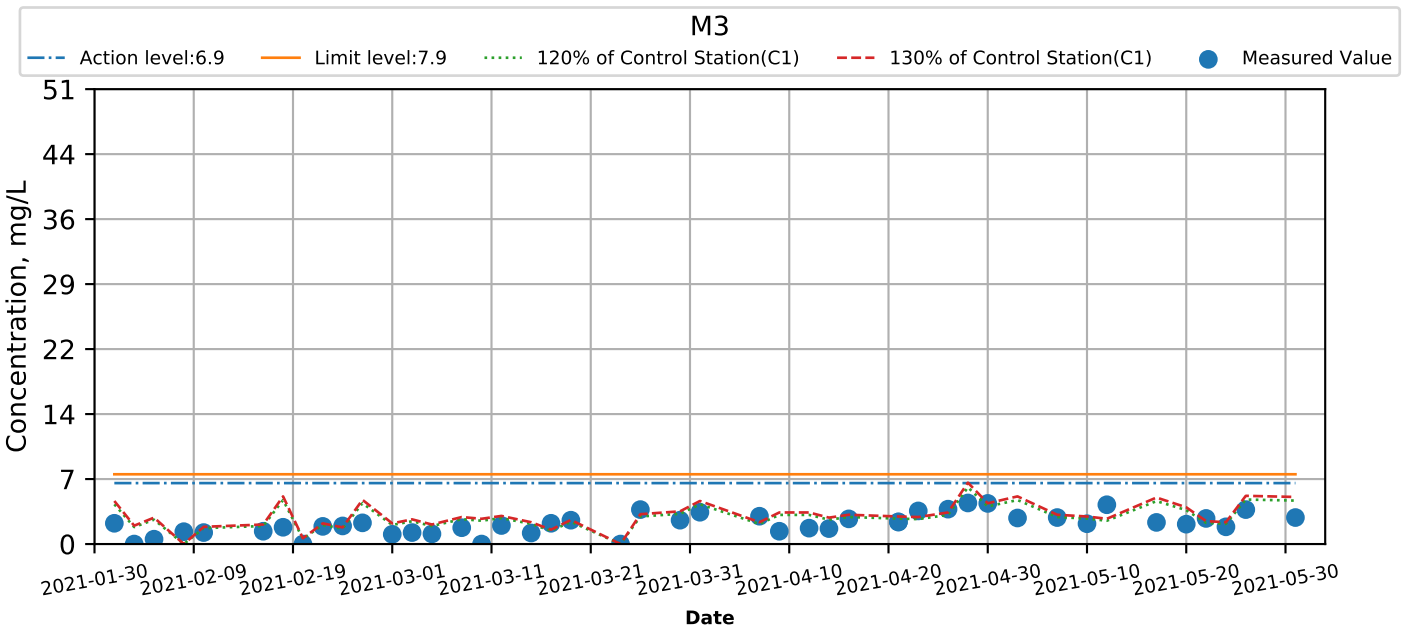


Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Bottom) at Monitoring Stations during Mid-Flood

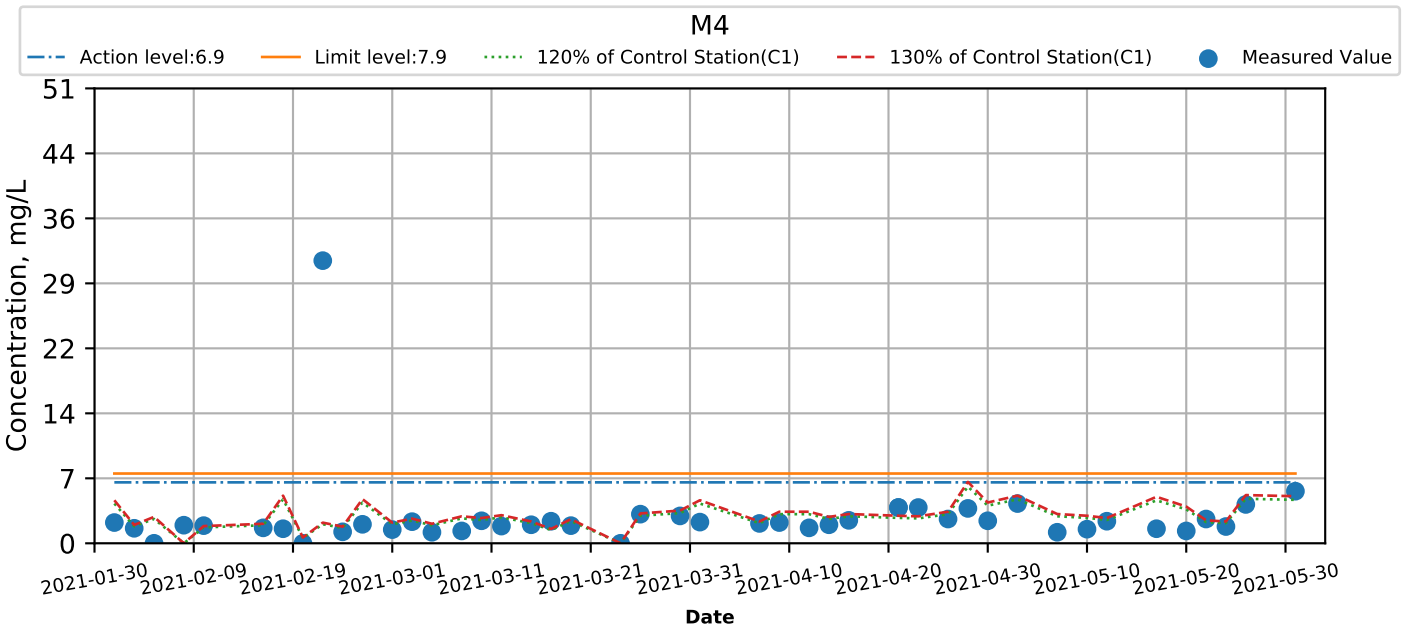


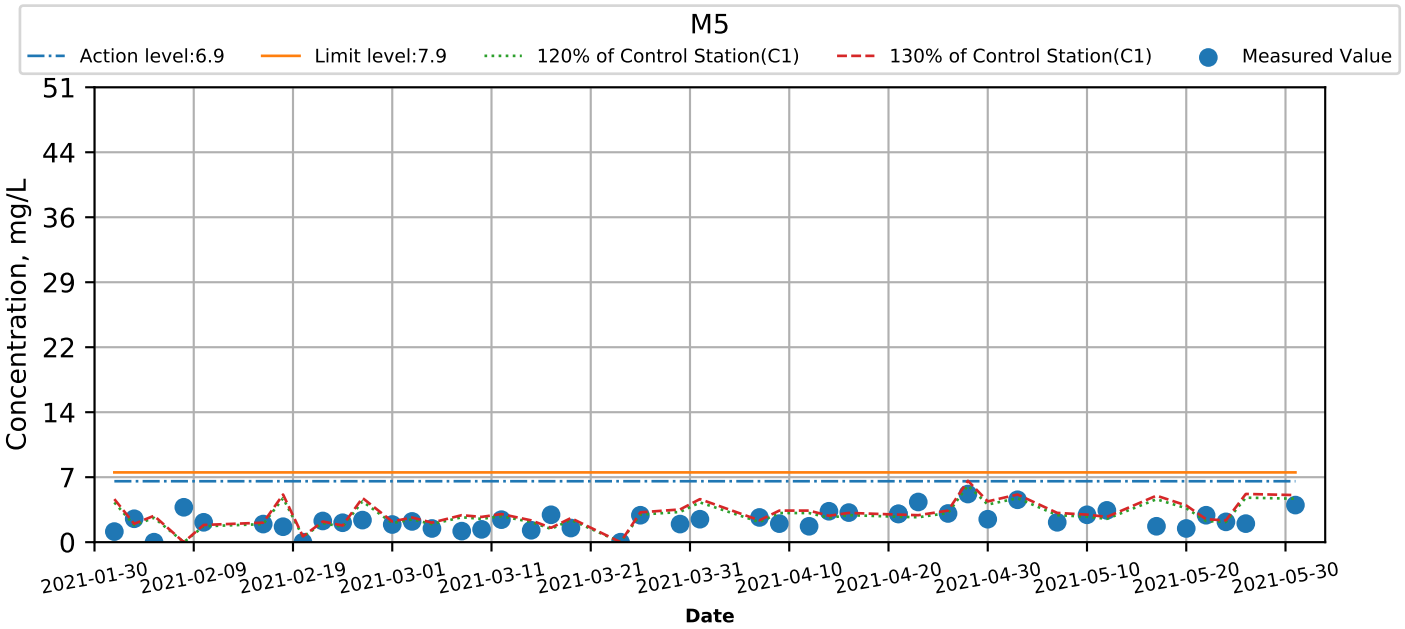




Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

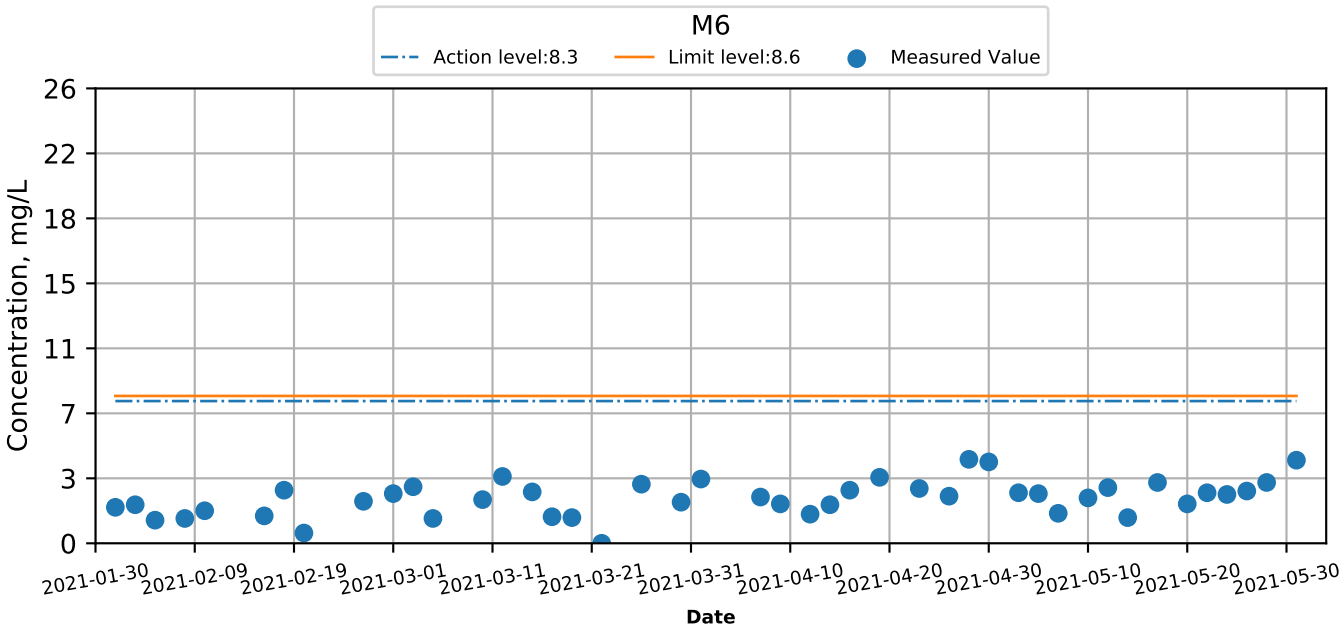
Suspended Solids (Bottom) at Monitoring Stations during Mid-Flood





Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Intake level) at Monitoring Stations during Mid-Ebb



Graphical Presentation of Water Quality Monitoring Results (Feb-2021 to May-2021)

Suspended Solids (Intake level) at Monitoring Stations during Mid-Flood