

## Appendix N Exceedance Report

## Statistical Summary of Exceedances in the Reporting Period

Water Quality (Regular Monitoring)			
Location	Action Level	Limit Level	Total
B1	0	0	0
B2	1	0	1
B3	0	1	1
B4	0	1	1
CR1	0	0	0
CR2	0	1	1
F1A	0	0	0
H1	0	0	0
S1	Not applicable		
S2A	Not applicable		
S3	Not applicable		
M1	0	0	0

Noise (Day Time)			
Location	Action Level	Limit Level	Total
M1	0	0	0
M2	0	0	0
M3	0	0	0
Noise (Evening Time)			
Location	Action Level	Limit Level	Total
M1	0	0	0
M2	0	0	0
M3	0	0	0
Noise (Night Time)			
Location	Action Level	Limit Level	Total
M1	0	0	0
M2	0	0	0
M3	0	0	0

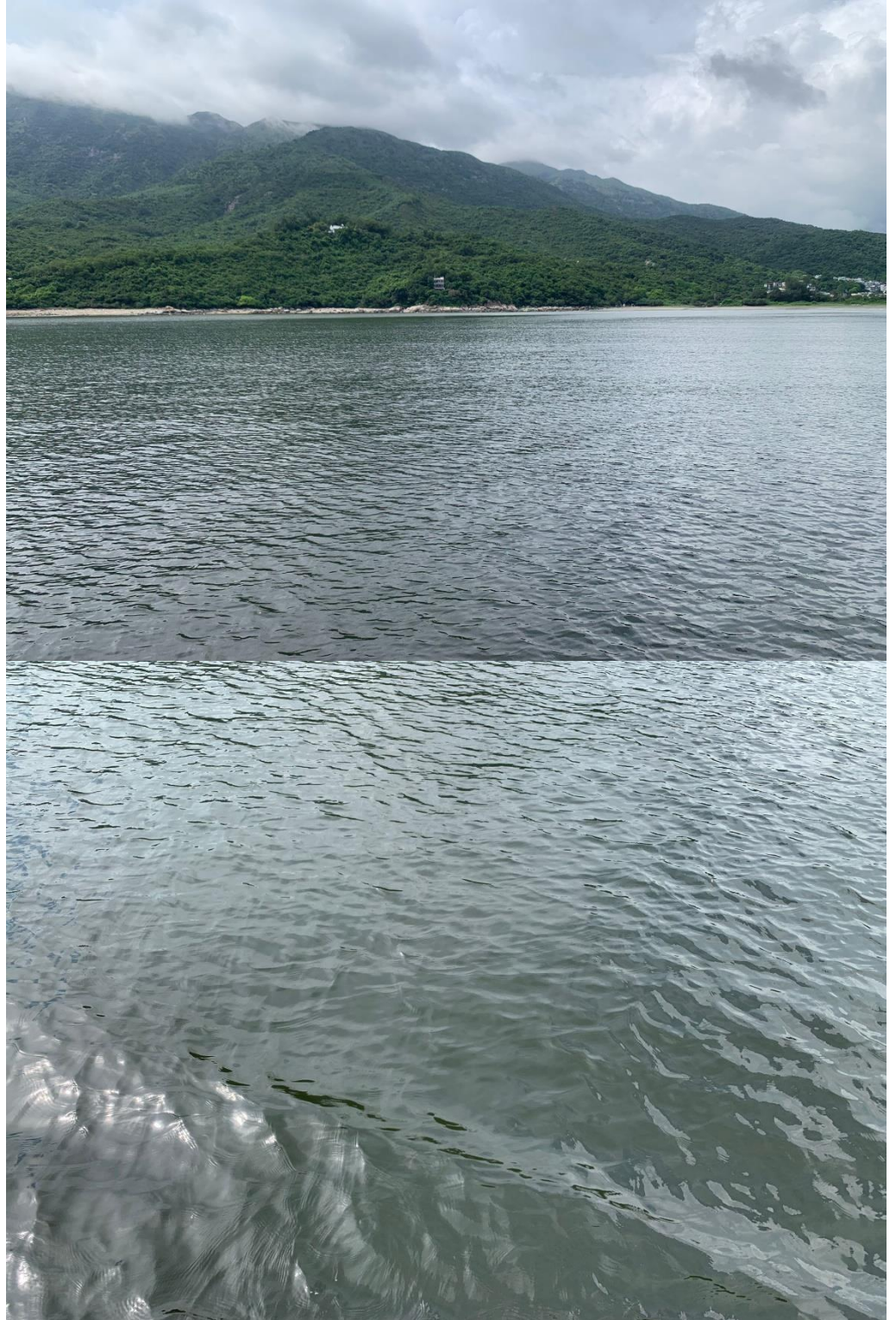
**Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	08 August 2022 (Lab result received on 16 August 2022)		
Time	14:45 – 18:15 (Mid-Flood)		
Monitoring Location	Mid-Flood B2, B3, B4		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 12.0 mg/L		≥ 14.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	12.8 mg/L (B2) 15.8 mg/L (B3) 14.8 mg/L (B4)	3.8 mg/L (C1A) 2.9 mg/L (C2A)	10.5 mg/L (B1) 3.3 mg/L (F1A) 8.3 mg/L (H1) 9.0 mg/L (M1) 6.0 mg/L (CR1) 5.5 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 08 Aug 2022 include infilling of caisson, performing weighing test on 1.85T armour rock, laying 1.85T armour rock at Caisson 58 - 60, landfilling works for below +6.00mPD, landfilling works for above +6.00mPD, installation of instrumentation, piling pre-drilling works, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, piling works for bored pile, pile cap construction, blockwork seawall and existing caisson extension.</p> <p>Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>An exceedance of action level was found at B2, exceedances of limit level were found at B3 and B4.</p>		

	<p>B2, B3 and B4 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. Exceedances are deemed to be unrelated to the Project.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was cloudy during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 09 August 2022.</p> <p>After the investigation, the exceedances on 08 August 2022 at B2, B3 and B4 are deemed to be unrelated to the Project.</p>
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Monitoring photos of  
stations with exceedance

B2:



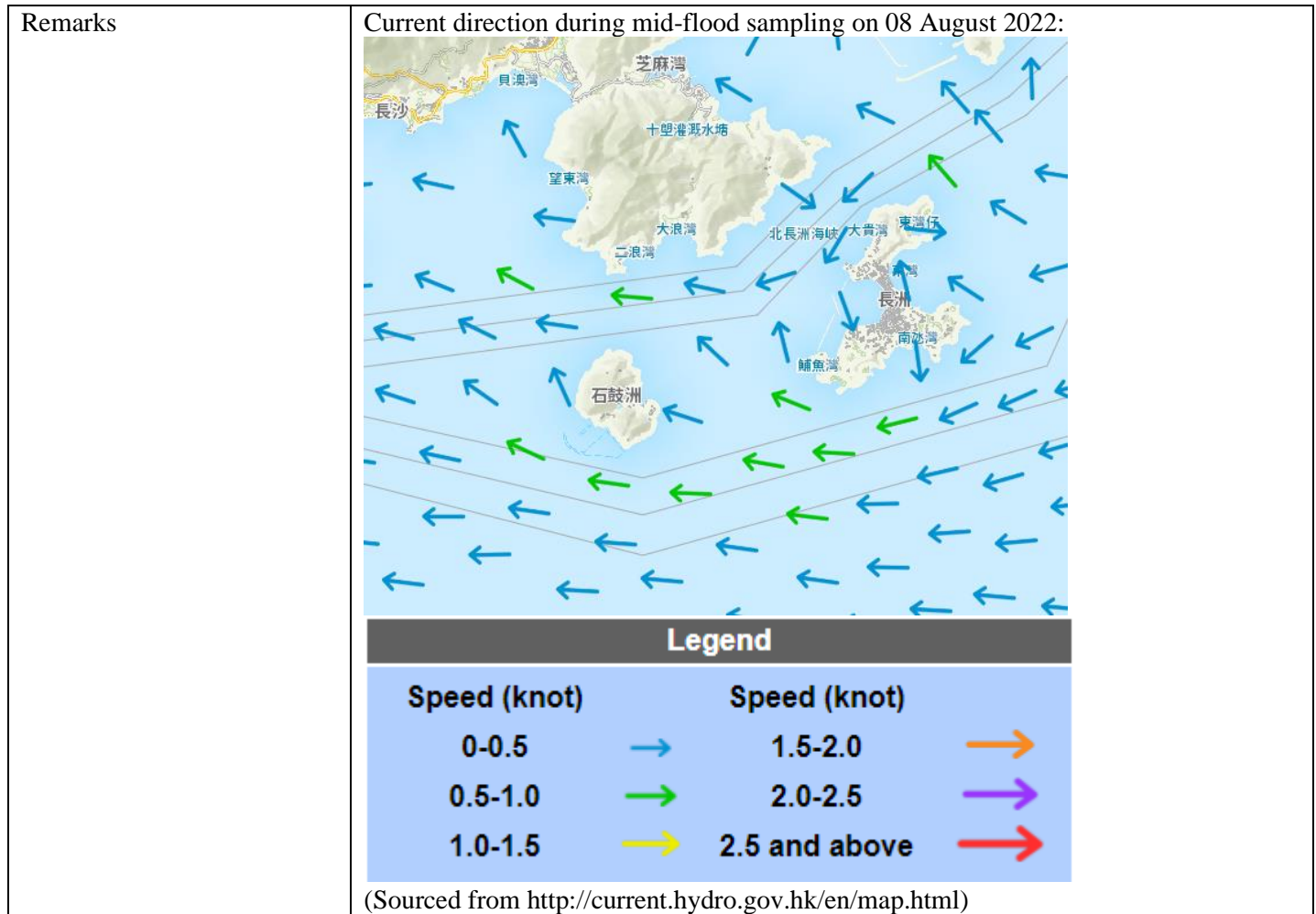
B3:



B4:







Prepared by	Jack Chow
Date	20 August 2022

**Interim Incident Report on Action Level or Limit Level Non-compliance**

Project	Integrated Waste Management Facilities, Phase 1		
Date	16 August 2022 (Lab result received on 23 August 2022)		
Time	12:04 – 18:27 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	<p>CR2</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 12.0 mg/L		≥ 14.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	17.8 mg/L (CR2)	4.3 mg/L (C1A) 5.4 mg/L (C2A)	4.8 mg/L (B1) 5.0 mg/L (B2) 5.0 mg/L (B3) 4.3 mg/L (B4) 8.8 mg/L (F1A) 4.5 mg/L (H1) 11.3 mg/L (M1) 9.0 mg/L (CR1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 16 Aug 2022 include infilling of caisson, infilling of 1.85T armour at Caisson 57 - 60, infilling of G200 Rock fill at Caisson 62 - 63, installation of Stoppers at Breakwater A CH670 - CH720, installation of Stopper, landfilling works for below +6.00mPD, landfilling works for above +6.00mPD, installation of instrumentation, piling pre-drilling works, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, piling works for bored pile, pile cap construction, blockwork seawall and existing caisson extension.</p> <p>Dominant sea current direction was found to be from Northeast to Southwest at waters around Shek Kwu Chau.</p> <p>An exceedance of SS limit level was found at CR2.</p>		

	<p>CR2 is located close to the works location within the Project site while no marine work was conducted on 16 Aug 2022.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was sunny during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 23 Aug 2022.</p> <p>After the investigation, the exceedance on 16 Aug 2022 at CR2 is deemed to be unrelated to the Project.</p>
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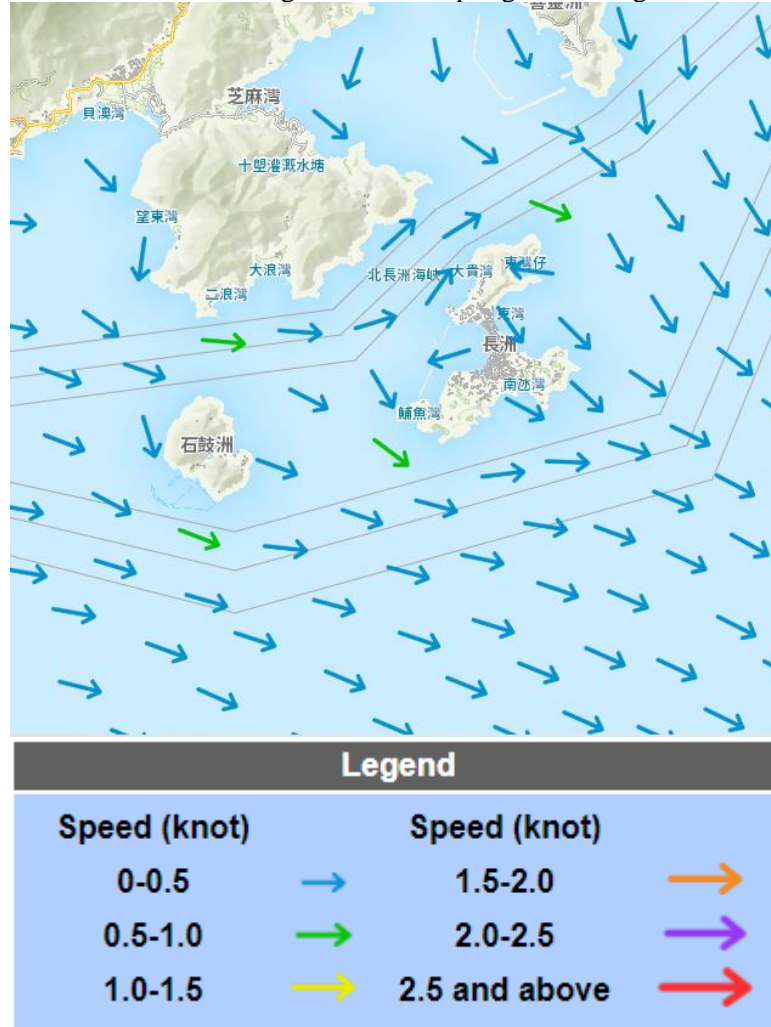
Monitoring photos of  
stations with exceedance

CR2:



Remarks

Current direction during mid-ebb sampling on 16 August 2022:



(Sourced from <http://current.hydro.gov.hk/en/map.html>)

Prepared by	Jack Chow
Date	26 August 2022