

Appendix N Exceedance Report

Statistical Summary of Exceedances in the Reporting Period

Water Quality (Regular Monitoring)			
Location	Action Level	Limit Level	Total
B1	1	0	1
B2	1	0	1
B3	1	0	1
B4	1	0	1
CR1	1	0	1
CR2	0	0	0
F1A	1	0	1
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	11 November 2024 (Lab result received on 18 November 2024)		
Time	13:40 - 17:10 (Mid-Flood)		
Monitoring Location	Mid-Flood F1A, CR1		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	8.4 mg/L (F1A) 8.4 mg/L (CR1)	7.1 mg/L (C1A) 6.6 mg/L (C2A)	7.9 mg/L (B1) 7.3 mg/L (B2) 6.9 mg/L (B3) 8.0 mg/L (B4) 7.3 mg/L (H1) 7.7 mg/L (M1) 7.7 mg/L (CR2)

Possible reason for Action or Limit Level Non-compliance

As reported by the Contractor, superstructure works were carried out and no surface runoff was observed on 11 November 2024. The aerial photo record of the Project Site provided by the Contractor is given below:



Aerial Photo Record of the Project Site

Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.

Exceedances of action level were found at F1A and CR1, F1A and CR1 are located at unrelated stream direction (neither upstream nor downstream) to the works location during mid-flood tide, based on the dominant tidal flow.. Exceedances at the monitoring stations are deemed to be unrelated to the Project. In view of only slight exceedances were found at F1A and CR1, the exceedances at F1A and CR1 possibly caused by the disturbance of ocean current to seabed.

According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.

No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 12 November 2024.

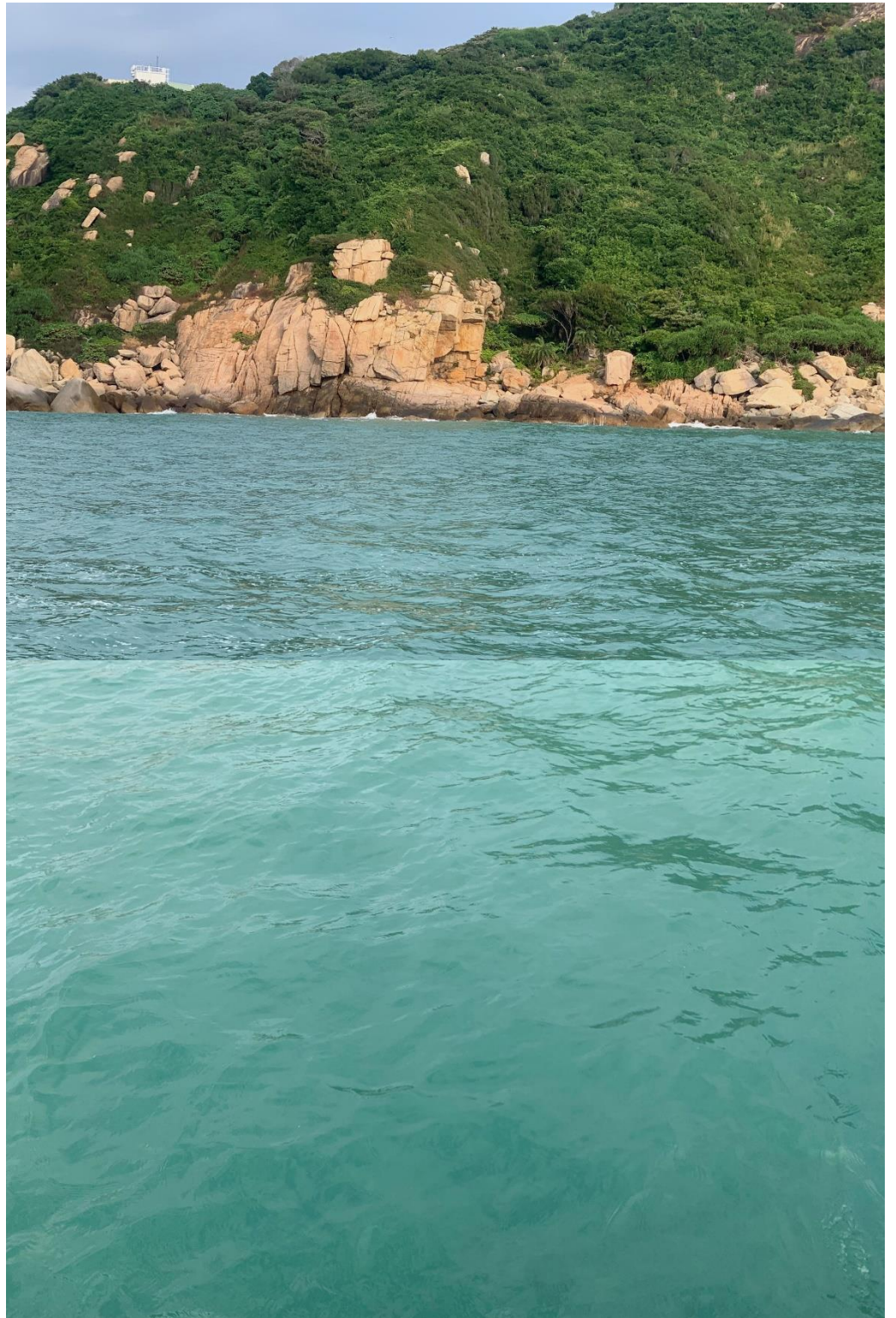
After the investigation, the exceedances on 11 November 2024 at F1A and CR1 are deemed to be unrelated to the Project.

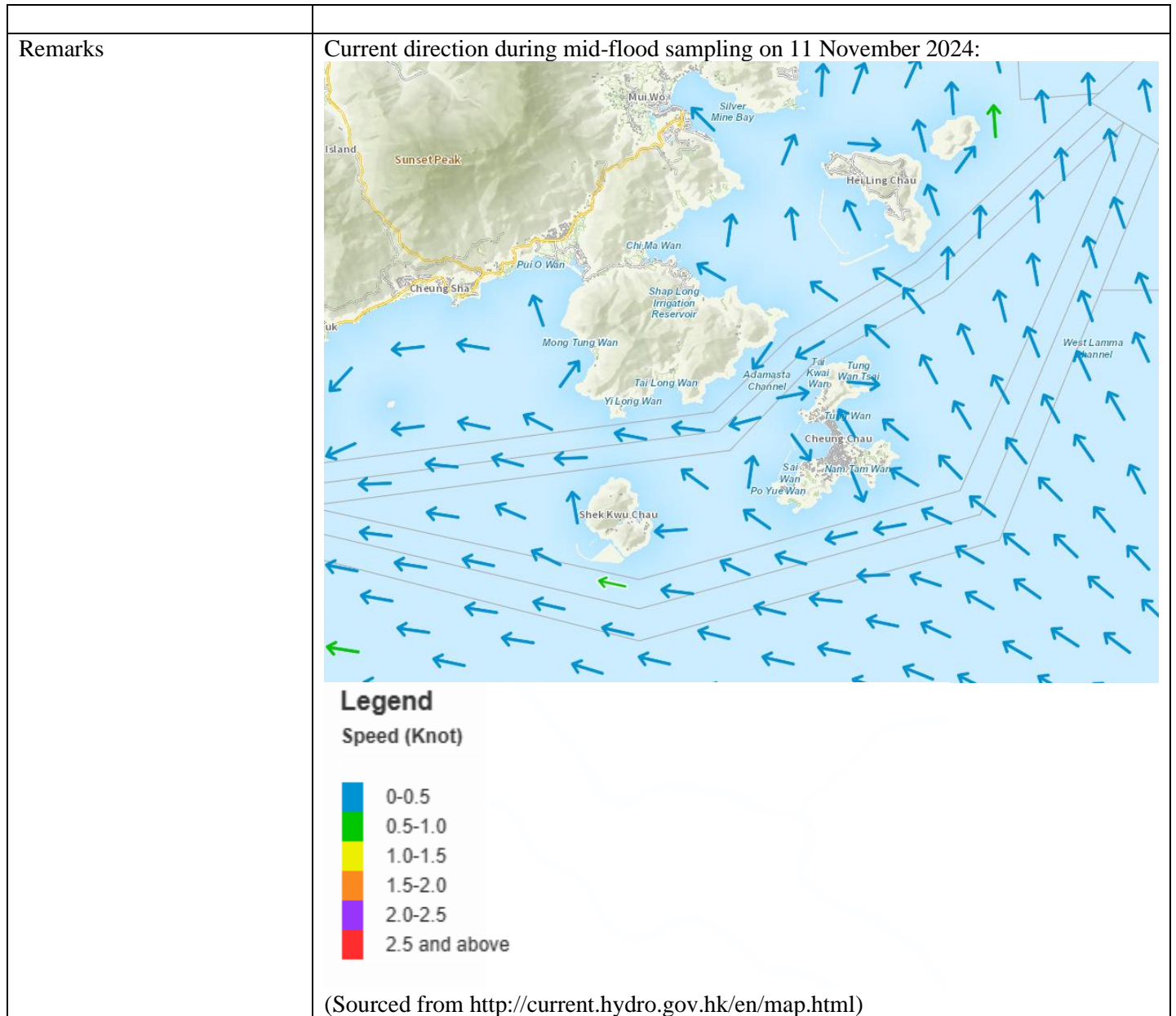
Monitoring photos of
stations with exceedance

F1A:



CR1:





Prepared by	Joe Ho
Date	4 December 2024

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	22 November 2024 (Lab result received on 29 November 2024)		
Time	08:00 - 08:28 (Mid-Ebb)		
Monitoring Location	Mid-Ebb B1, B2, B3, B4		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	8.8 mg/L (B1) 8.8 mg/L (B2) 8.6 mg/L (B3) 9.0 mg/L (B4)	4.0 mg/L (C1A) 4.0 mg/L (C2A)	7.4 mg/L (F1A) 5.1 mg/L (H1) 7.2 mg/L (M1) 7.2 mg/L (CR1) 7.3 mg/L (CR2)

Possible reason for Action or Limit Level Non-compliance

As reported by the Contractor, superstructure works were carried out and no surface runoff was observed on 22 November 2024. The aerial photo record of the Project Site provided by the Contractor is given below:



Aerial Photo Record of the Project Site

Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.

Exceedances of action level were found at B1, B2, B3 and B4, B1, B2, B3 and B4 are located at unrelated stream direction (neither upstream nor downstream) to the works location during mid-ebb tide, based on the dominant tidal flow. Exceedances at the monitoring stations are deemed to be unrelated to the Project.

According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.

No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 19 November 2024 and 26 November 2024.

After the investigation, the exceedances on 22 November 2024 at B1, B2, B3 and B4 are deemed to be unrelated to the Project.

Monitoring photos of
stations with exceedance

B1:



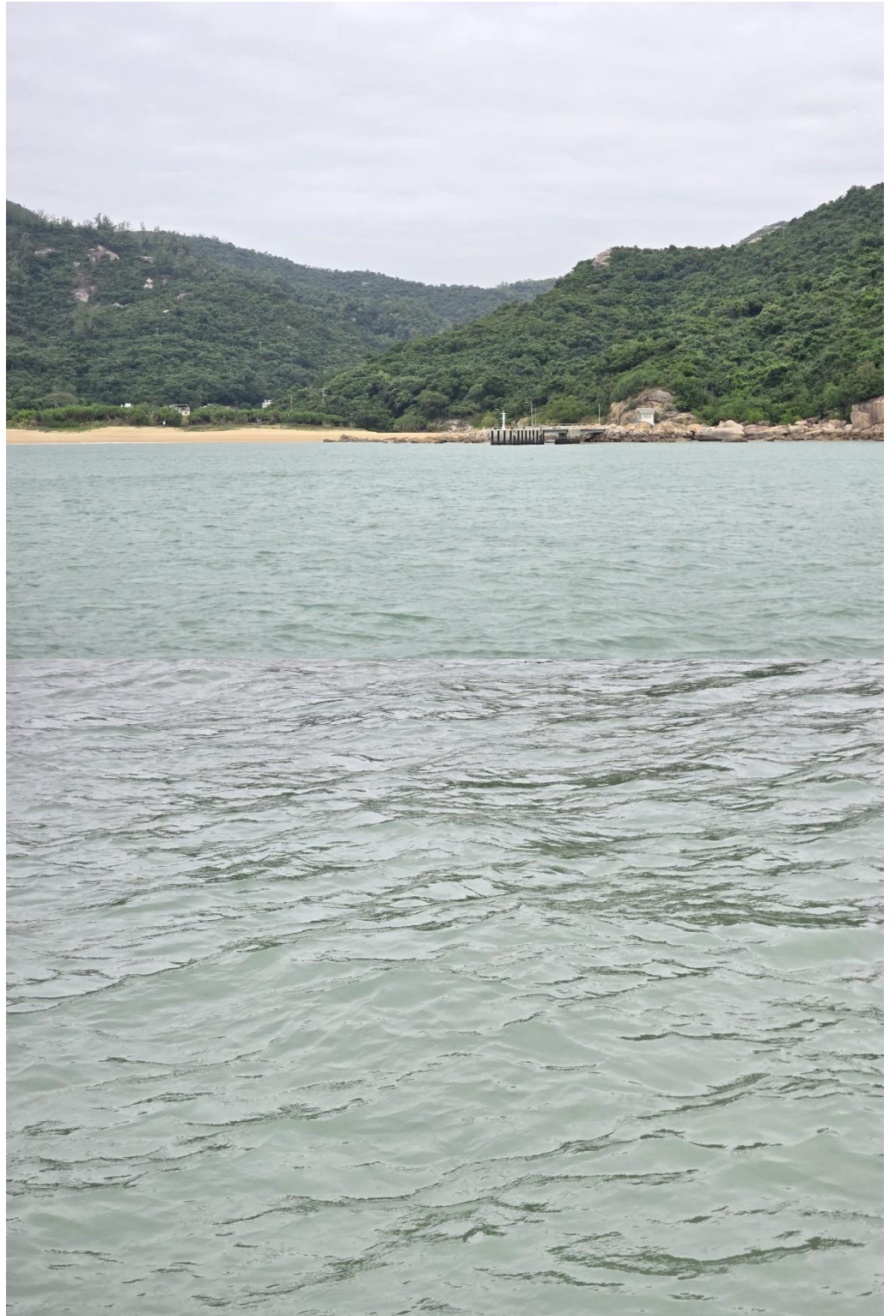
B2:



B3:

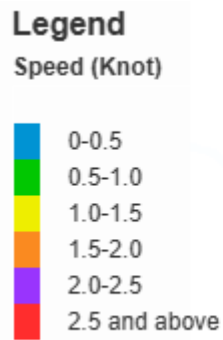
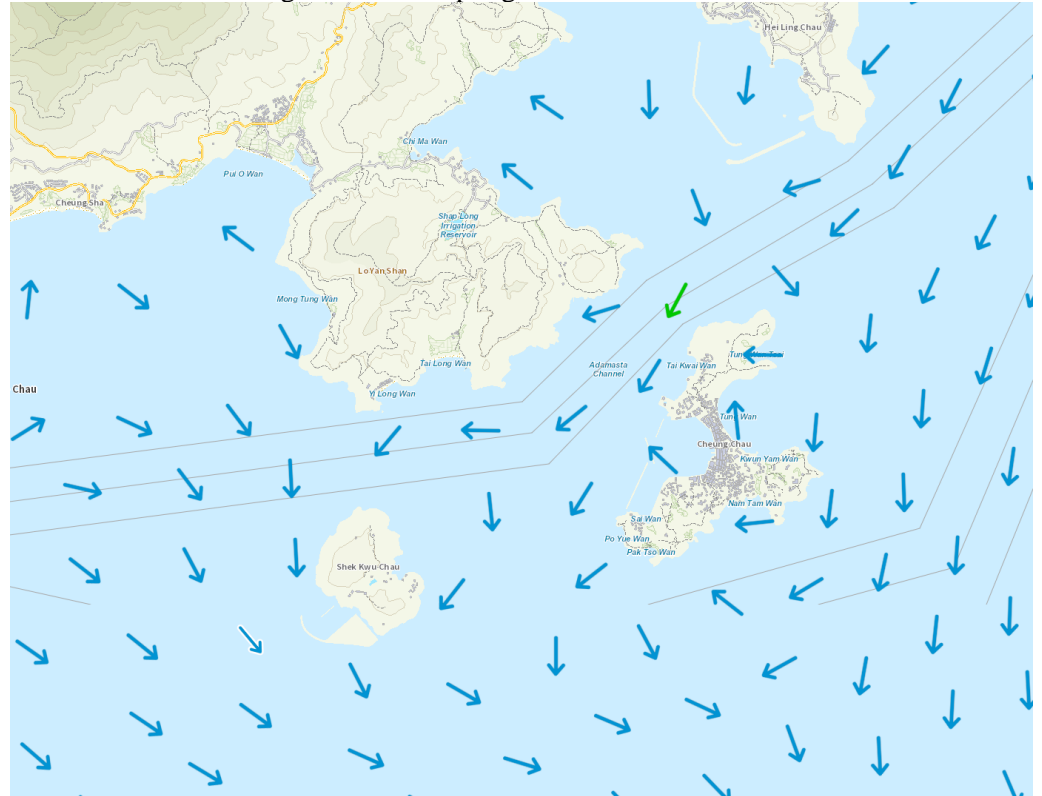


B4:



Remarks

Current direction during mid-ebb sampling on 22 November 2024:



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

Prepared by	Joe Ho
Date	4 December 2024