

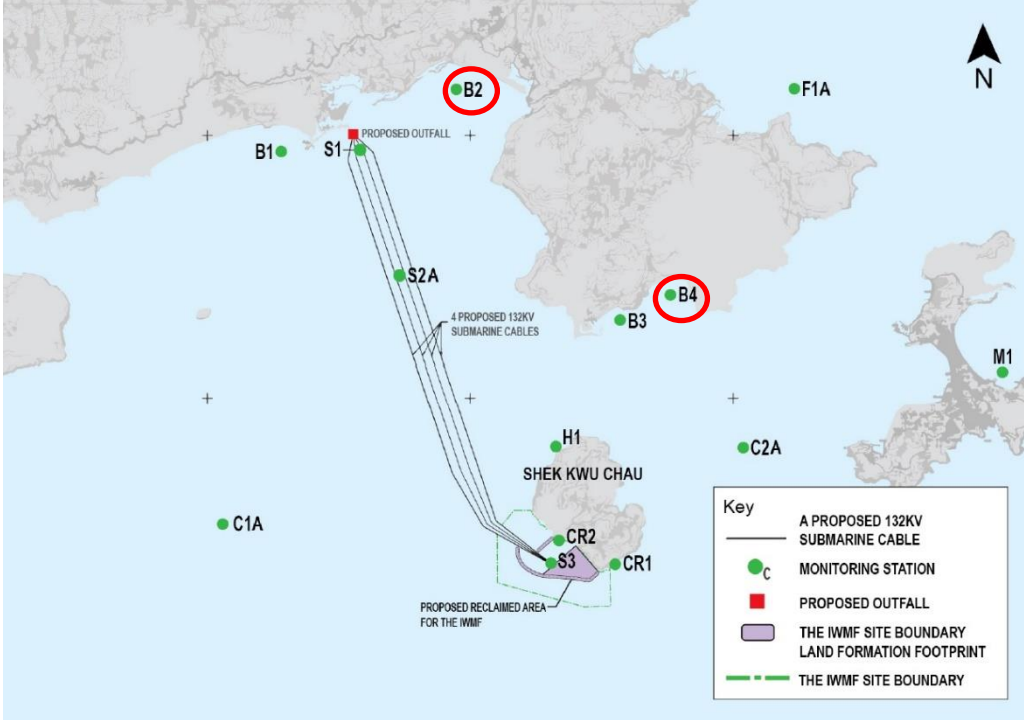
Appendix N Exceedance Report

Statistical Summary of Exceedances in the Reporting Period

Water Quality (Regular Monitoring)			
Location	Action Level	Limit Level	Total
B1	1	0	1
B2	1	1	2
B3	1	1	2
B4	3	0	3
CR1	1	0	1
CR2	0	1	1
F1A	0	1	1
H1	0	0	0
S1	0	0	0
S2A	0	0	0
S3	0	0	0
M1	1	0	1

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	02 Mar 2022 (Lab result received on 09 Mar 2022)		
Time	10:55 – 14:25 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	B2, B4 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.3 mg/L (B2) 8.5 mg/L (B4)	6.0 mg/L (C1A) 6.0 mg/L (C2A)	6.8 mg/L (B1) 7.5 mg/L (B3) 5.7 mg/L (F1A) 5.7 mg/L (H1) 5.3 mg/L (M1) 5.5 mg/L (CR1) 5.8 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 02 Mar 2022 include infilling of caisson, caisson installation, lifting of working platforms at Caisson 54K2B, levelling of 1 T armour rock at Seawall B Caisson 8 - 10, landfilling works for below +6.00mPD, landfilling works for above +6.00mPD, piling pre-drilling works, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, blockwork seawall and existing caisson extension.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of action level were found at B2 and B4.</p> <p>B2 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>		

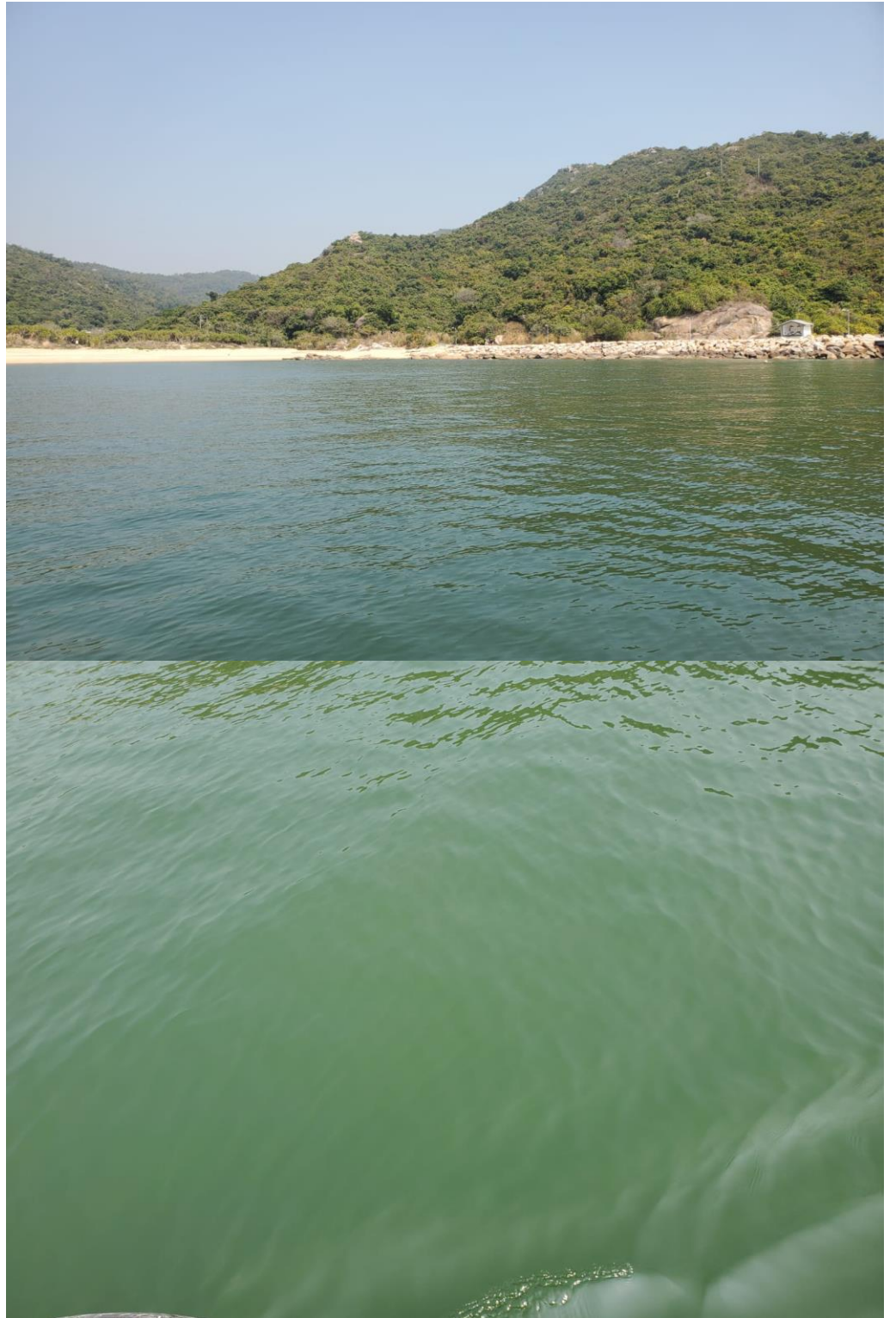
	<p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 01 Mar 2022.</p> <p>After the investigation, the exceedances on 02 Mar 2022 at B2 and B4 are deemed to be unrelated to the Project.</p>
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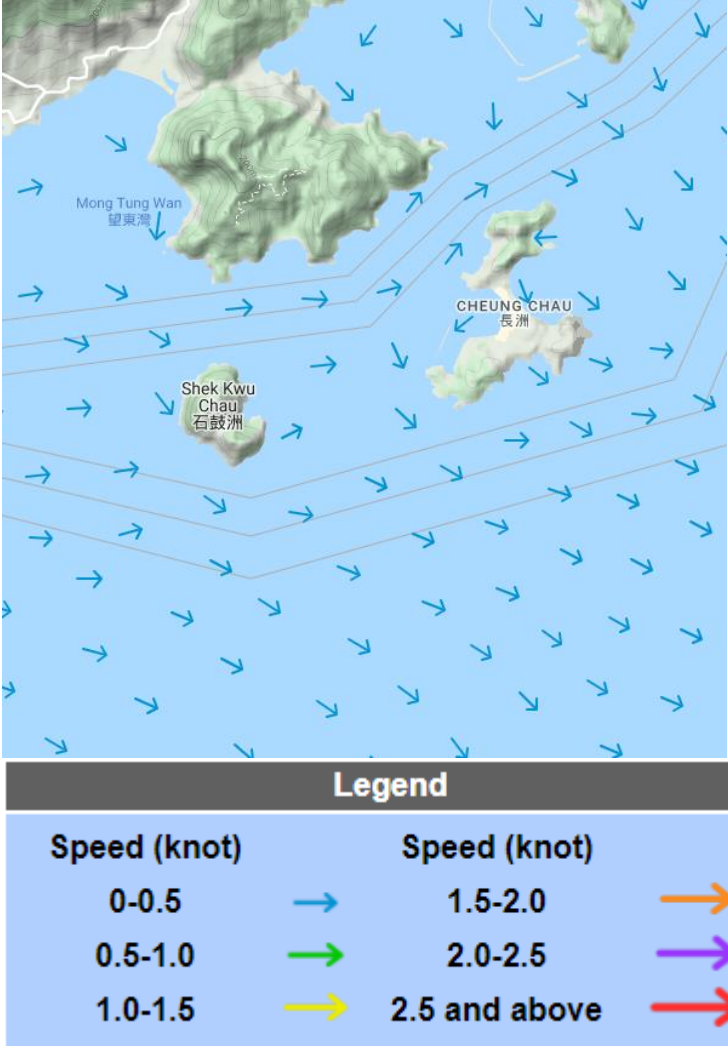
Monitoring photos of
stations with exceedance

B2:

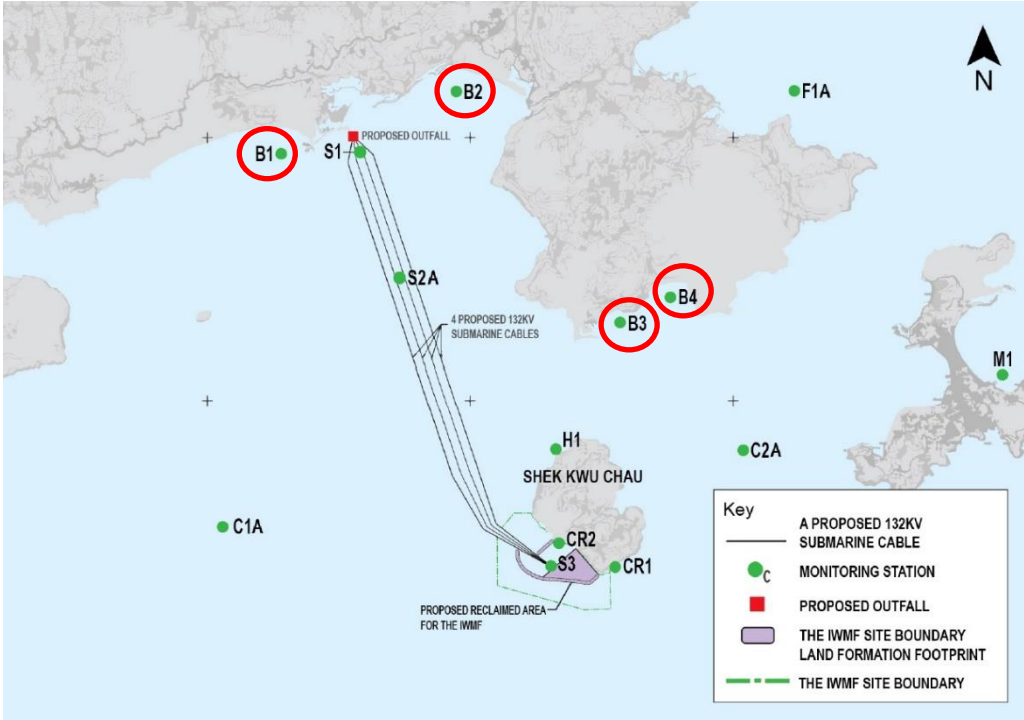


B4:



<p>Remarks</p>	<p>Current direction during mid-ebb sampling on 02 Mar 2022:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p>
<p>Prepared by</p>	<p>Jack Chow</p>
<p>Date</p>	<p>10 Mar 2022</p>

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

Project	Integrated Waste Management Facilities, Phase 1		
Date	21 Mar 2022 (Lab result received on 24 Mar 2022)		
Time	12:36 – 16:06 (Mid-Ebb) 08:00 – 10:56 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	B1, B2, B3, B4 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.6 mg/L (C1A of 120%)		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Measurement Level	Impact Station(s) without Exceedance
	9.8 mg/L (B1) 11.8 mg/L (B2) 11.5 mg/L (B3) 8.8 mg/L (B4)	7.2 mg/L (C1A) 7.2 mg/L (C2A)	8.0 mg/L (F1A) 7.8 mg/L (H1) 6.5 mg/L (M1) 4.7 mg/L (CR1) 6.3 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 21 Mar 2022 include infilling of caisson, caisson installation, levelling of underlayer by diver at Breakwater A CH1036 - CH1050, 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, blockwork seawall and existing caisson extension.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of action level were found at B1 and B4 and exceedances of limit level were found at B2 and B3.</p>		

	<p>B1, 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 rainy 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 22 Mar 2022.</p> <p>After the investigation, the exceedances on 21 Mar 2022 at B1, B2, B3 and B4 are deemed to be unrelated to the Project.</p>
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Monitoring photos of
stations with exceedance

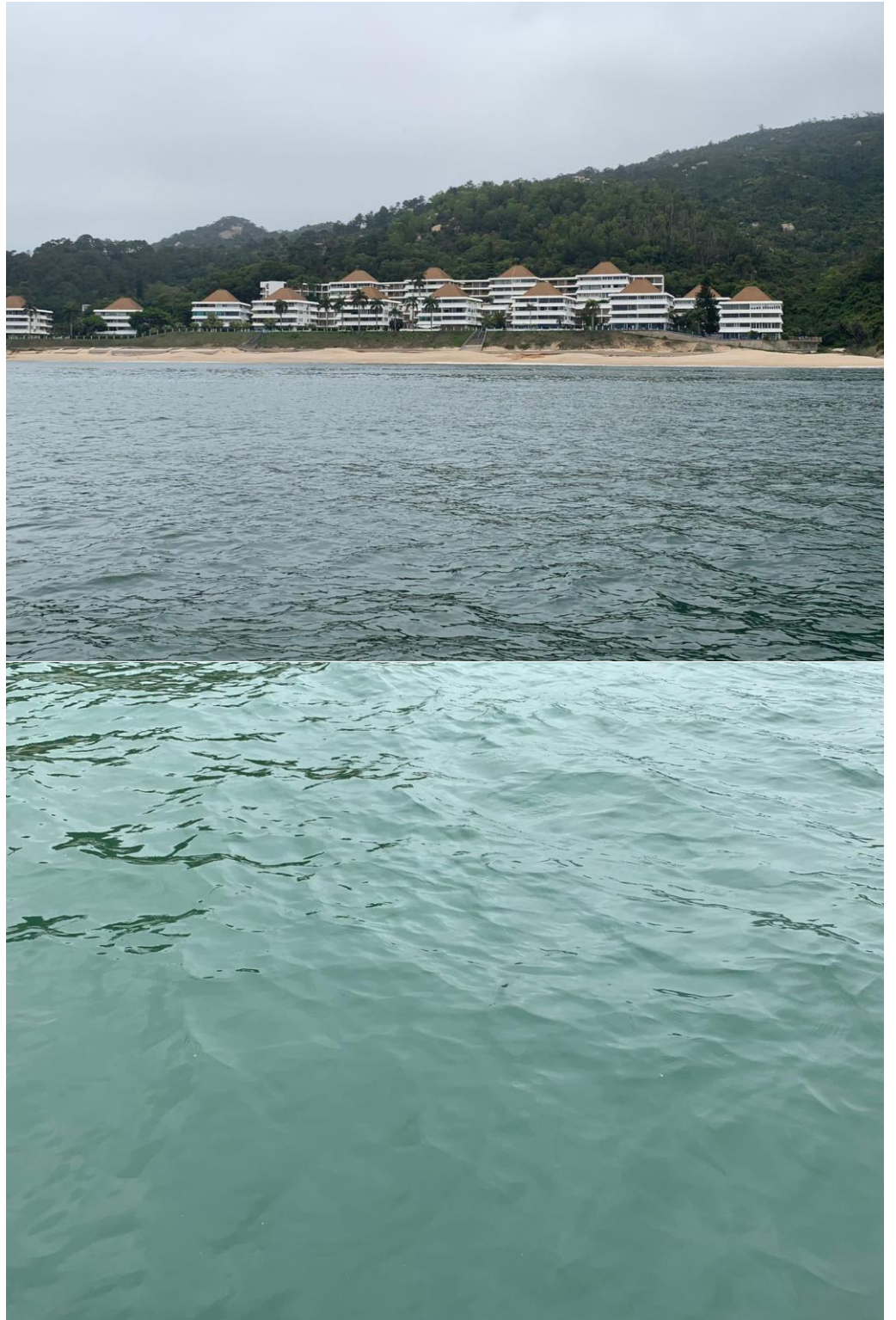
B1:



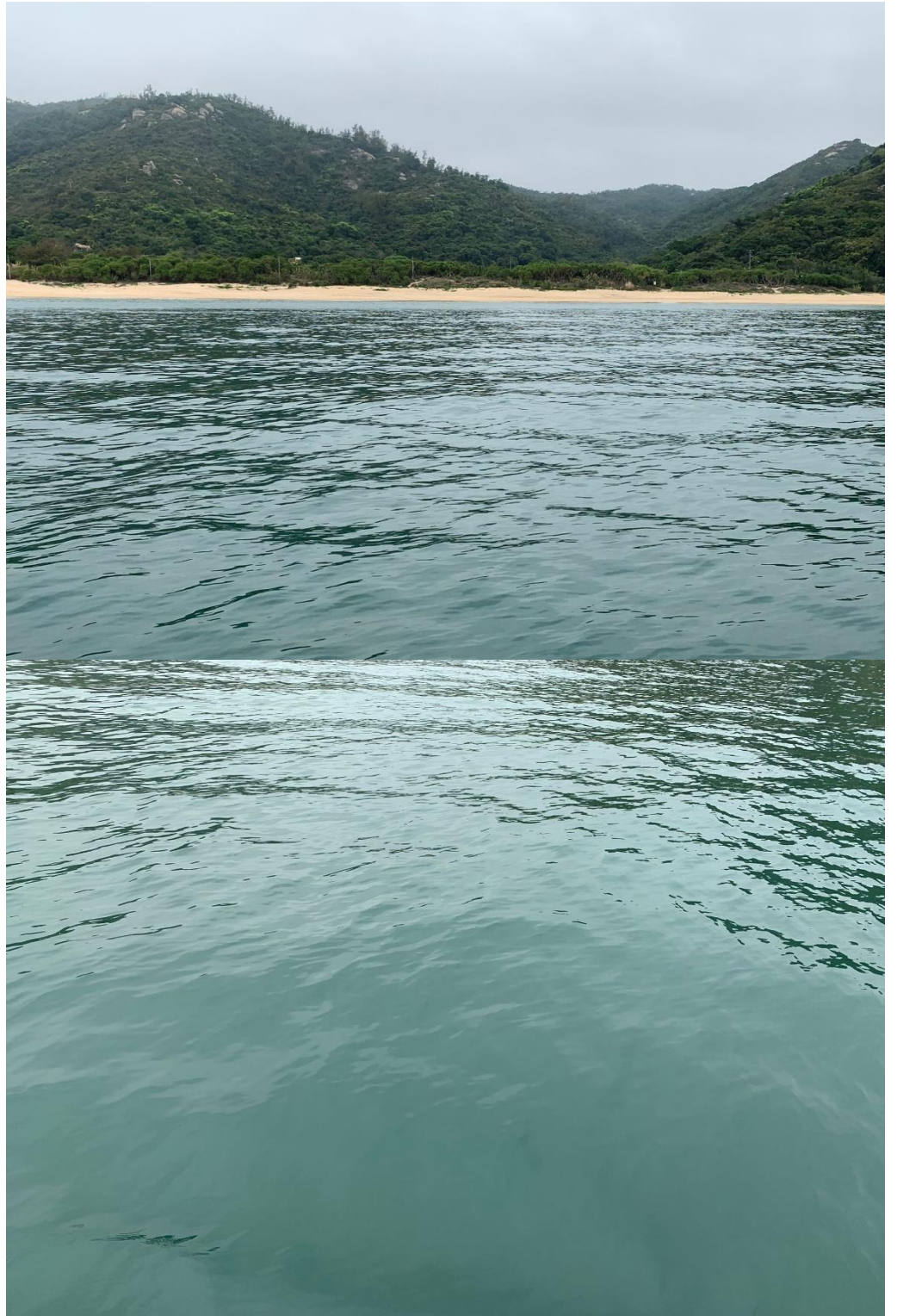
B2:

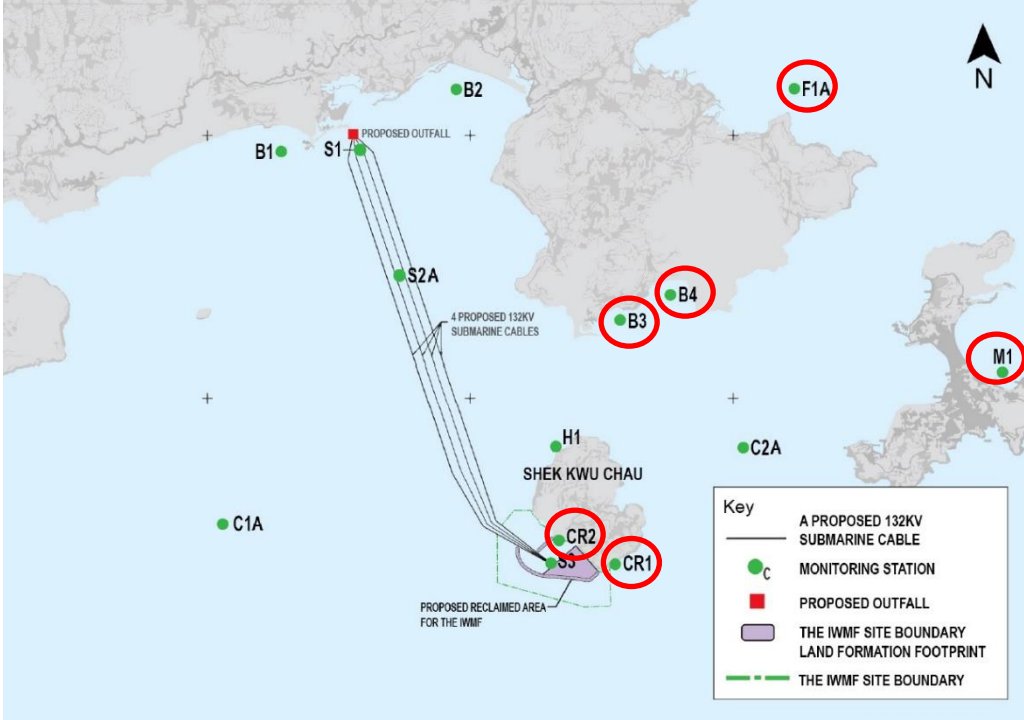


B3:



B4:

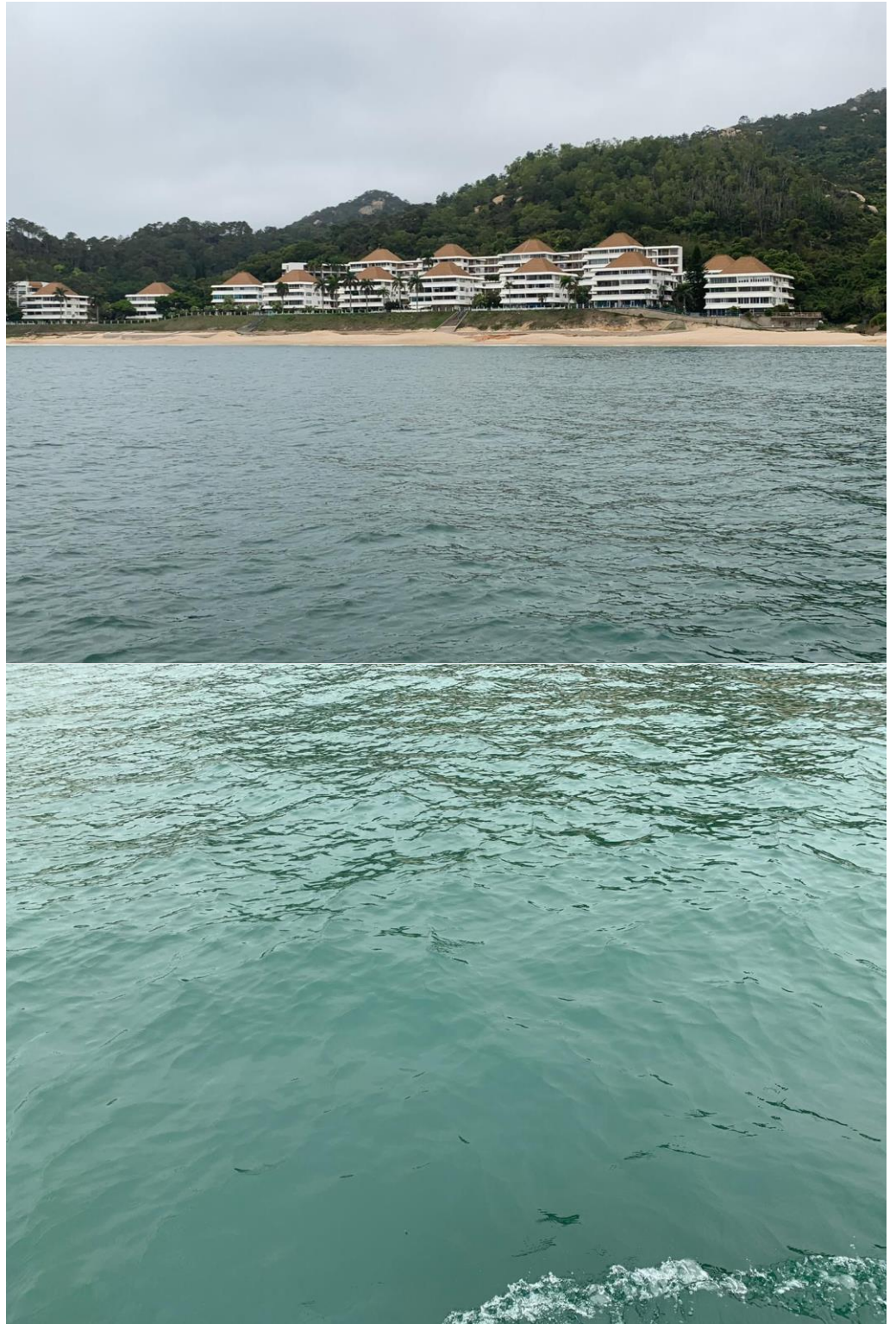


Mid-Flood			
Monitoring Location	B3, B4, F1A, M1, CR1, CR2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.5 mg/L (B3) 9.5 mg/L (B4) 10.2 mg/L (F1A) 8.8 mg/L (M1) 9.0 mg/L (CR1) 10.3 mg/L (CR2)	7.2 mg/L (C1A) 6.5 mg/L (C2A)	6.5 mg/L (B1) 7.5 mg/L (B2) 6.8 mg/L (H1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 21 Mar 2022 include infilling of caisson, caisson installation, levelling of underlayer by diver at Breakwater A CH1036 - CH1050, 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, 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>Exceedances of action level were found at B3, B4, M1 and CR1 and exceedances of limit level were found at F1A and CR2.</p> <p>CR1 and CR2 are located close to the works location within the Project site while no major marine work was conducted on 21 Mar 2022.</p> <p>B3, B4, M1 and F1A 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 rainy 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 22 Mar 2022.</p> <p>After the investigation, the exceedances on 21 Mar 2022 at B3, B4, F1A, M1, CR1 and CR2 are deemed to be unrelated to the Project.</p>
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Monitoring photos of
stations with exceedance

B3:



B4:



F1A:



M1:



CR1:



CR2:

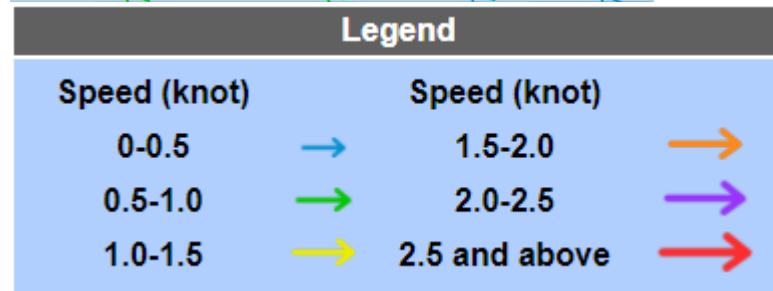
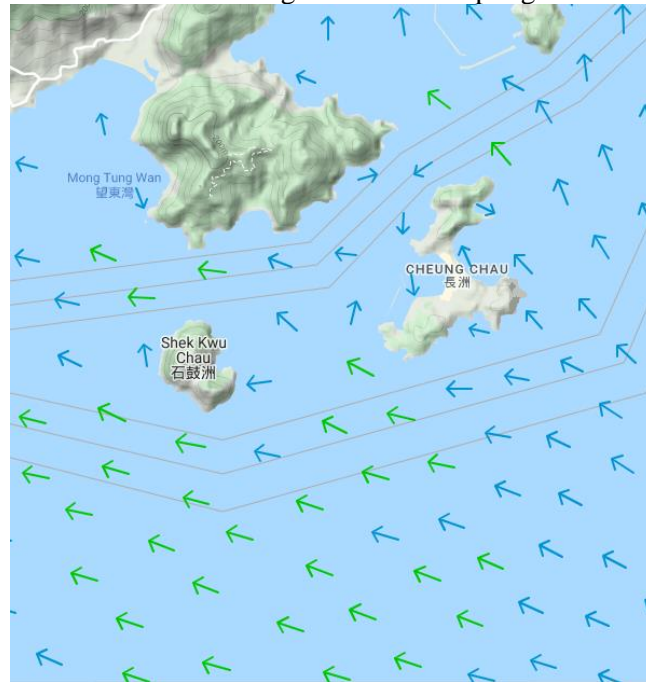


Remarks

Current direction during mid-ebb sampling on 21 Mar 2022:



Current direction during mid-flood sampling on 21 Mar 2022:



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

Prepared by Jack Chow

Date 28 Mar 2022