

## Appendix N Exceedance Report

## Statistical Summary of Exceedances in the Reporting Period

Water Quality (Regular Monitoring)			
Location	Action Level	Limit Level	Total
B1	4	3	7
B2	1	3	4
B3	2	6	8
B4	1	5	6
CR1	1	3	4
CR2	4	4	8
F1A	1	5	6
H1	3	2	5
S1	0	0	0
S2A	0	0	0
S3	0	0	0
M1	1	3	4

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	01 Oct 2021 (Lab result received on 8 Oct 2021)		
Time	14:40-18:10 (Mid Flood)		
Mid-Flood			
Monitoring Location	<p>B3</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 14.0 mg/L (120% of C2A)		≥ 15.2 mg/L (130% of C2A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	14.0 mg/L (B3)	13.0 mg/L (C1A) 11.7 mg/L (C2A)	12.3 mg/L (B1) 8.3 mg/L (B2) 11.8 mg/L (B4) 11.8 mg/L (F1A) 13.3 mg/L (H1) 13.7 mg/L (M1) 13.7 mg/L (CR1) 12.0 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>No construction work was conducted on 1 Oct 2021 due to the public holiday with reference to the site diary.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedance of SS action level was found at B3 on 1 Oct 2021. B3 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is 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>		

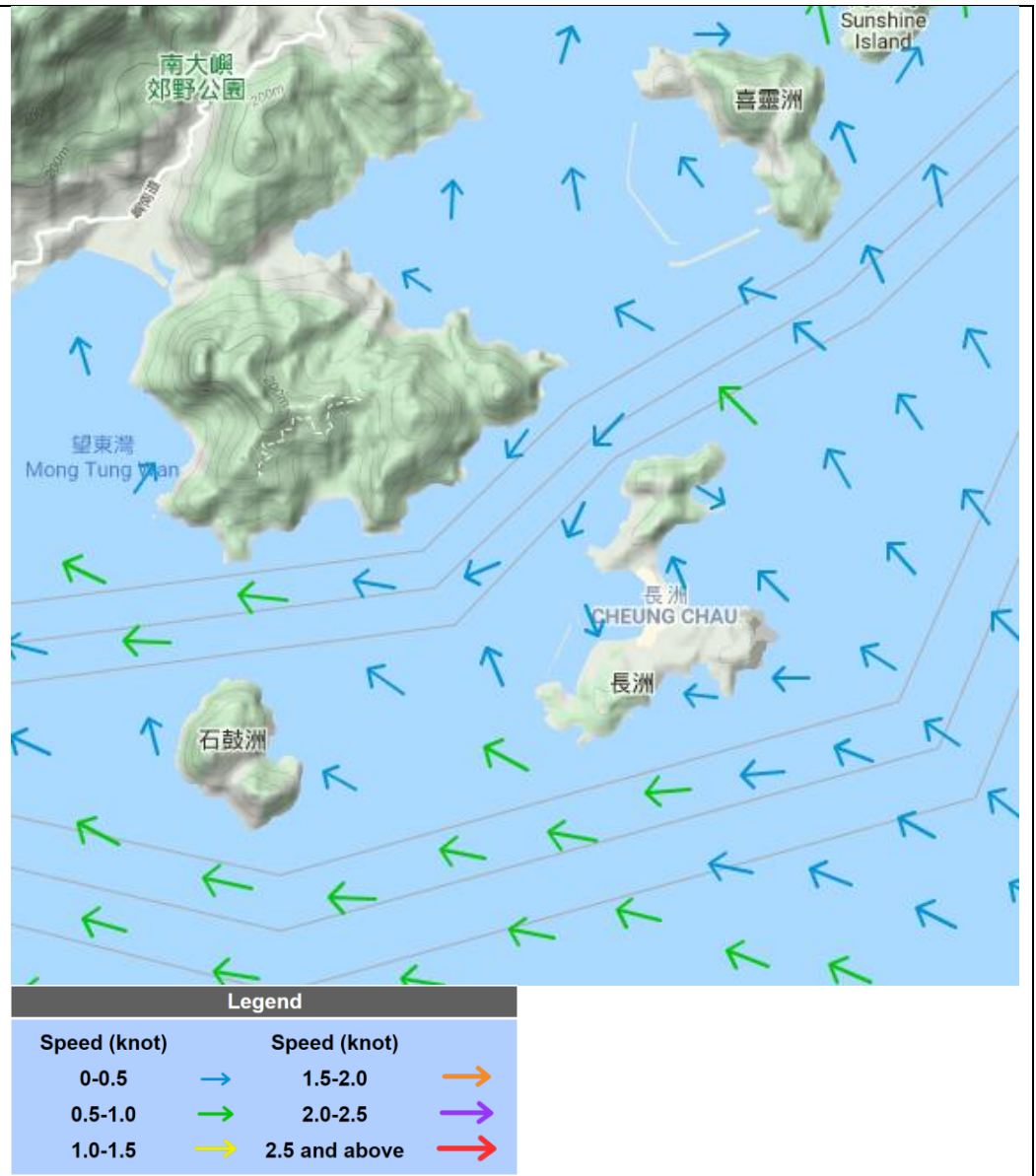
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event taken at B3 as shown at the site photo below:



No major observation of improper site practices that could contribute to the increase of the suspended solids was recorded during the weekly inspection on 28 September 2021.

Remarks

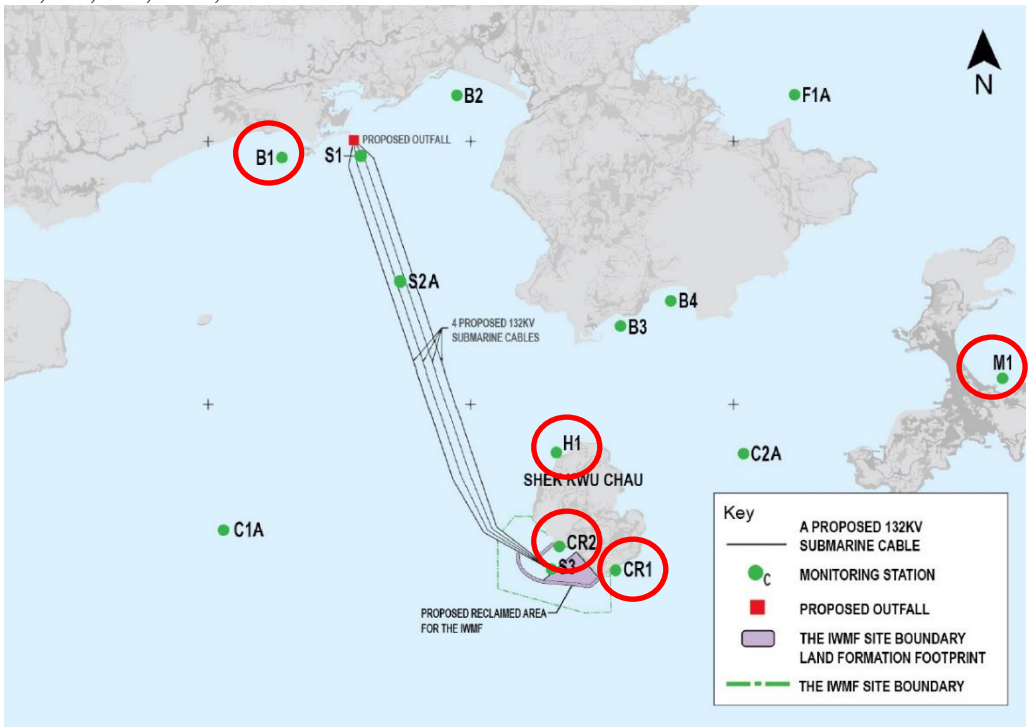
Current direction during mid-flood sampling on 1 Oct 2021:




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

Prepared by	Joe Ho
Date	28 Oct 2021

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

Project	Integrated Waste Management Facilities, Phase 1		
Date	04 Oct 2021 (Lab result received on 11 Oct 2021)		
Time	09:02 – 12:32 (Mid-Ebb) 15:53 – 19:00 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	B1, H1, 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
	10.5 mg/L (B1) 8.2 mg/L (H1) 11.2 mg/L (M1) 9.7 mg/L (CR1) 11.7 mg/L (CR2)	6.0 mg/L (C1A) 7.8 mg/L (C2A)	5.5 mg/L (B2) 6.0 mg/L (B3) 5.0 mg/L (B4) 7.8 mg/L (F1A)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 04 Oct 2021 include installation of caisson stoppers, landfilling works, installation of instrumentation, piling pre-drilling works, piling works and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of SS action level were found at H1 and CR1 on 04 Oct 2021 and exceedances of SS limit level were found at B1, M1 and CR2 on 04 Oct 2021.</p> <p>B1, H1 and M1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of these monitoring stations are deemed to be unrelated to the Project.</p> <p>CR1 and CR2 are located close to the works location within the Project site while no marine work was conducted on 04 Oct 2021.</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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 28 September 2021.</p> <p>After the investigation, the exceedances on 04 Oct 2021 at B1, H1, M1, CR1 and CR2 are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B1:</p> 



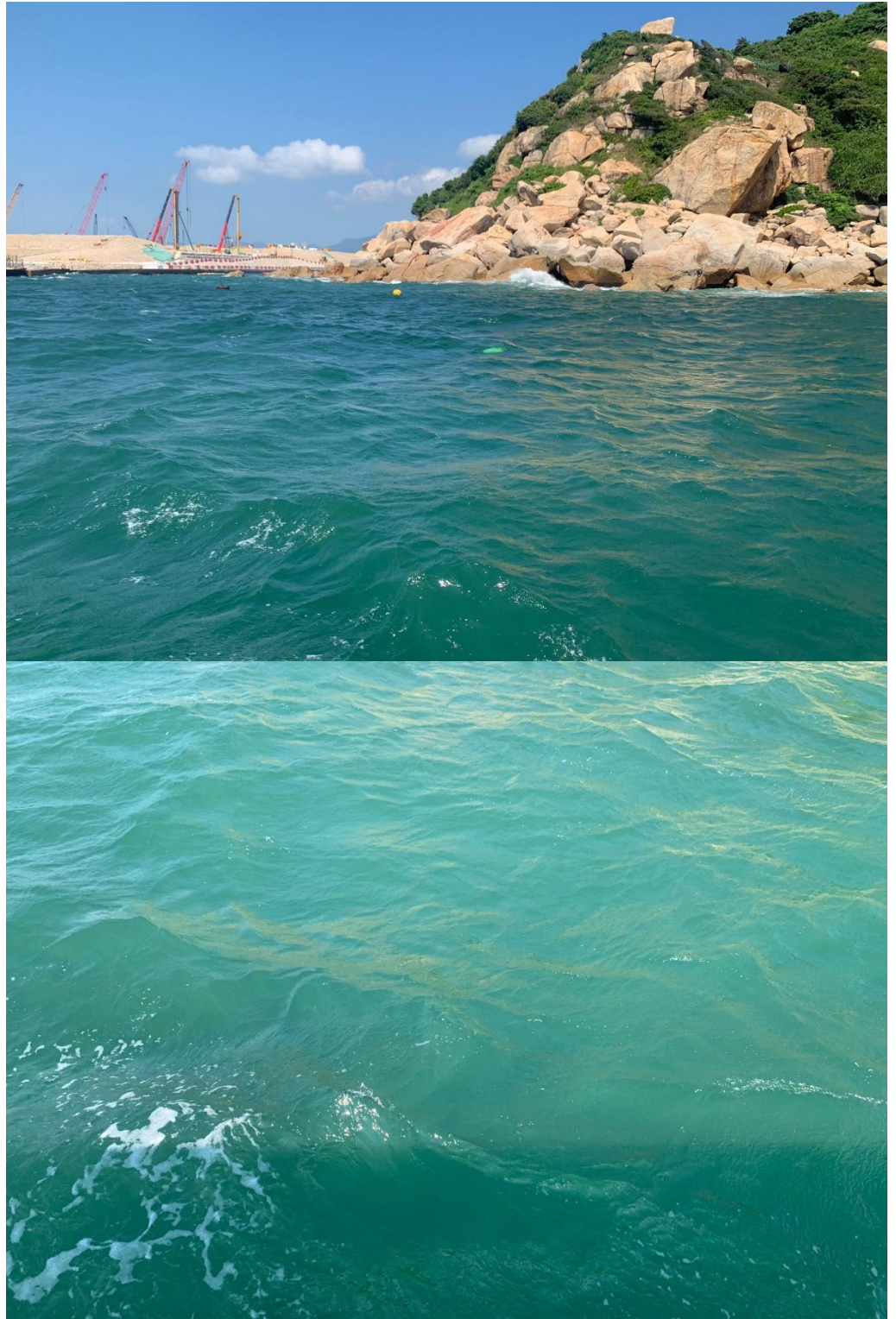
H1:



M1:

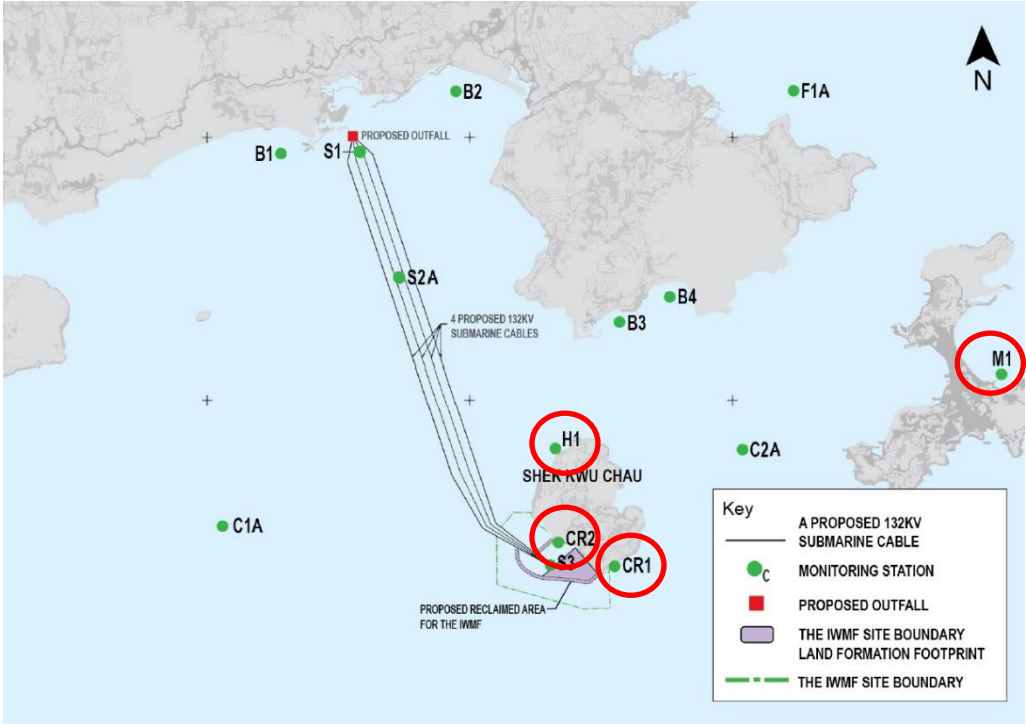



CR1:



CR2:



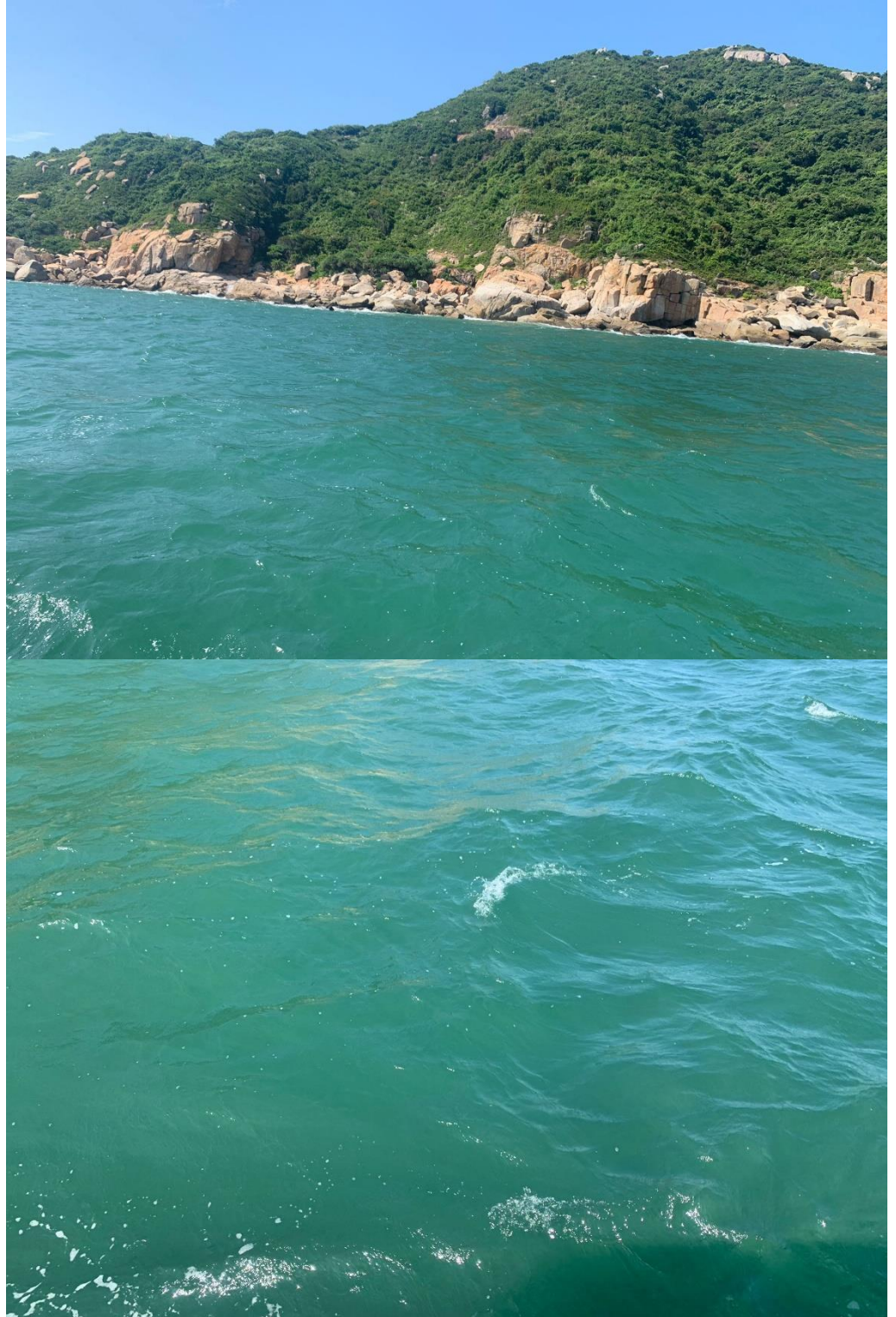
Mid-Flood							
Monitoring Location	H1, M1, CR1, CR2 						
Parameter	Suspended Solid (SS)						
Action & Limit Levels	<table border="1"> <tr> <th>Action Level</th> <th>Limit Level</th> </tr> <tr> <td>≥ 8.0 mg/L</td> <td>≥ 10.0 mg/L</td> </tr> </table>	Action Level	Limit Level	≥ 8.0 mg/L	≥ 10.0 mg/L		
Action Level	Limit Level						
≥ 8.0 mg/L	≥ 10.0 mg/L						
Measurement Level	<table border="1"> <thead> <tr> <th>Impact Station(s) of Exceedance</th> <th>Control Stations</th> <th>Impact Station(s) without Exceedance</th> </tr> </thead> <tbody> <tr> <td>8.0 mg/L (H1) 10.5 mg/L (M1) 12.2 mg/L (CR1) 8.8 mg/L (CR2)</td> <td>5.5 mg/L (C1A) 4.2 mg/L (C2A)</td> <td>6.3 mg/L (B1) 5.1 mg/L (B2) 7.5 mg/L (B3) 5.3 mg/L (B4) 7.8 mg/L (F1A)</td> </tr> </tbody> </table>	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance	8.0 mg/L (H1) 10.5 mg/L (M1) 12.2 mg/L (CR1) 8.8 mg/L (CR2)	5.5 mg/L (C1A) 4.2 mg/L (C2A)	6.3 mg/L (B1) 5.1 mg/L (B2) 7.5 mg/L (B3) 5.3 mg/L (B4) 7.8 mg/L (F1A)
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8.0 mg/L (H1) 10.5 mg/L (M1) 12.2 mg/L (CR1) 8.8 mg/L (CR2)	5.5 mg/L (C1A) 4.2 mg/L (C2A)	6.3 mg/L (B1) 5.1 mg/L (B2) 7.5 mg/L (B3) 5.3 mg/L (B4) 7.8 mg/L (F1A)					
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 04 Oct 2021 include installation of caisson stoppers, landfilling works, installation of instrumentation, piling pre-drilling works, piling works and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedances of SS action level were found at H1 and CR2 on 04 Oct 2021 and exceedances of SS limit level were found at M1 and CR1 on 04 Oct 2021.</p> <p>H1 and M1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p> <p>CR1 and CR2 are located close to the works location within the Project site while no marine work was conducted on 04 Oct 2021.</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</p>						

	<p>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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 28 September 2021.</p> <p>After the investigation, the exceedances on 04 Oct 2021 at H1, M1, CR1 and CR2 are deemed to be unrelated to the Project.</p>
Monitoring photos of stations with exceedance	<p>H1:</p> 

M1:



CR1:



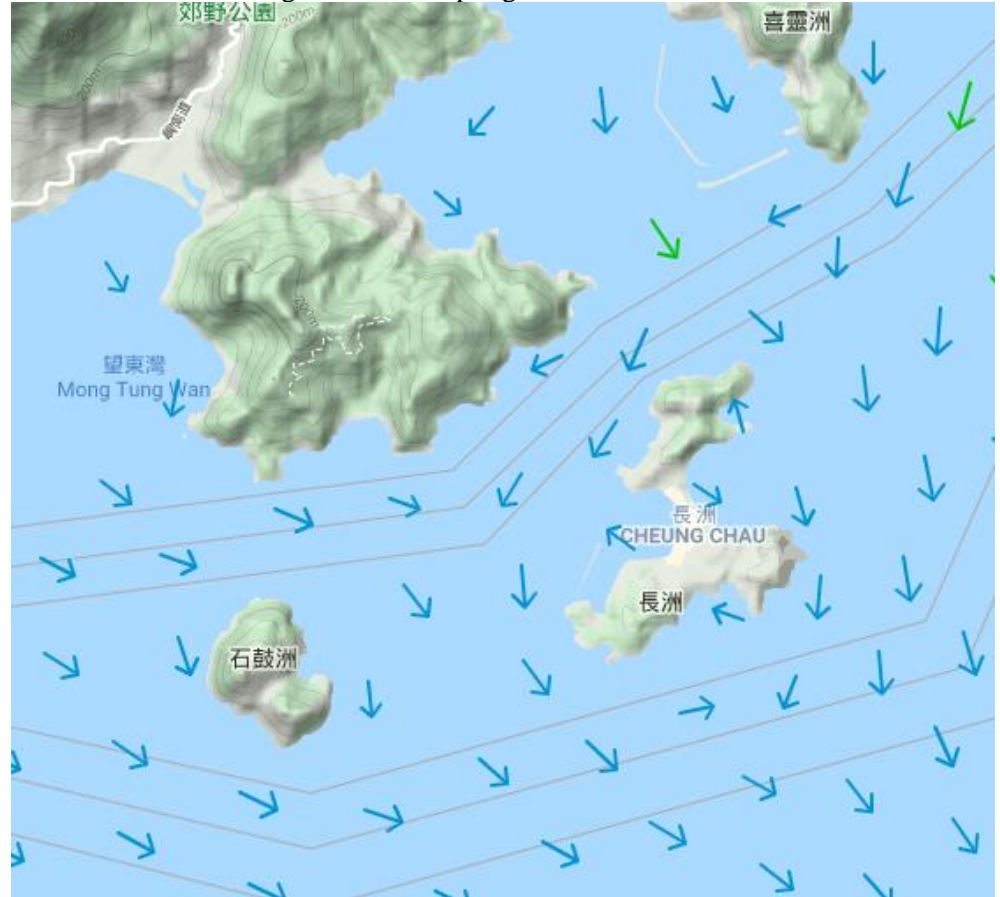


CR2:



Remarks

Current direction during mid-ebb sampling on 4 Oct 2021:

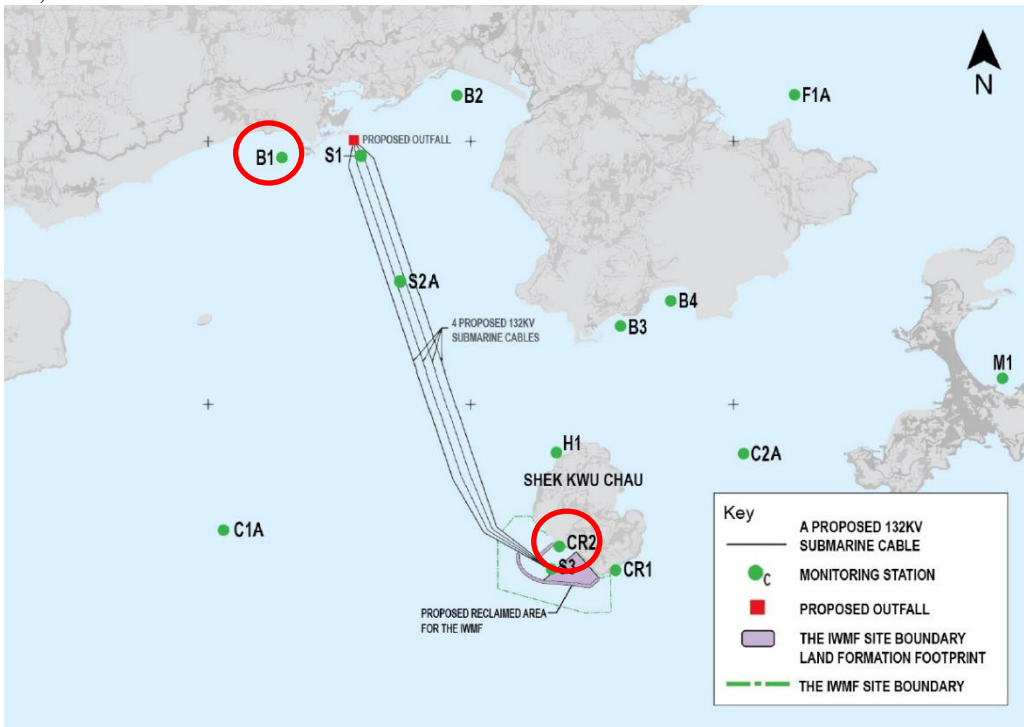



Current direction during mid-flood sampling on 4 Oct 2021:



	<b>Legend</b>									
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 50%;">Speed (knot)</th> <th style="text-align: left; width: 50%;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0-0.5      </td> <td style="text-align: center;">1.5-2.0      </td> </tr> <tr> <td style="text-align: center;">0.5-1.0    </td> <td style="text-align: center;">2.0-2.5      </td> </tr> <tr> <td style="text-align: center;">1.0-1.5    </td> <td style="text-align: center;">2.5 and above </td> </tr> </tbody> </table>		Speed (knot)	Speed (knot)	0-0.5	1.5-2.0	0.5-1.0	2.0-2.5	1.0-1.5	2.5 and above
Speed (knot)	Speed (knot)									
0-0.5	1.5-2.0									
0.5-1.0	2.0-2.5									
1.0-1.5	2.5 and above									
	(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> )									
Prepared by	Joe Ho									
Date	1 Nov 2021									

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

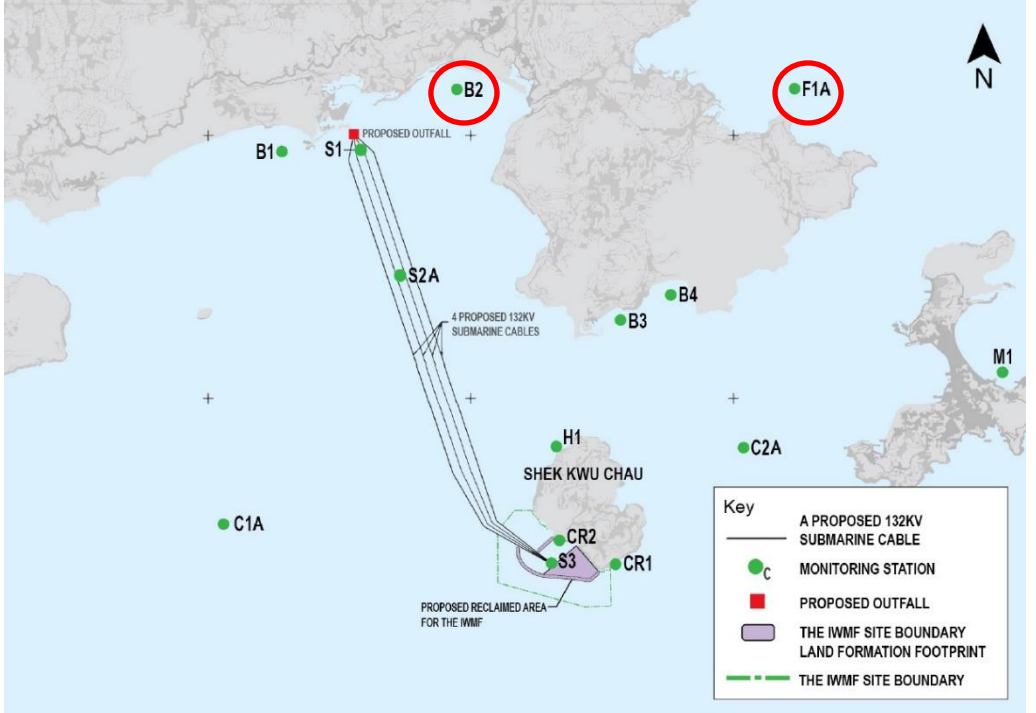
Project	Integrated Waste Management Facilities, Phase 1		
Date	06 Oct 2021 (Lab result received on 12 Oct 2021)		
Time	10:25 – 13:55 (Mid-Ebb) 15:39 – 19:00 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	B1, CR2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 9.6 mg/L (120% of C1A)		≥ 10.4 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	10.0 mg/L (B1) 12.2 mg/L (CR2)	8.0 mg/L (C1A) 9.3 mg/L (C2A)	5.0 mg/L (B2) 5.3 mg/L (B3) 4.5 mg/L (B4) 8.3 mg/L (F1A) 4.3 mg/L (H1) 7.8 mg/L (M1) 4.0 mg/L (CR1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 06 Oct 2021 include laying of underlayer, landfilling works, installation of instrumentation, piling pre-drilling works, piling works, piling works for pre-bored socketed H-pile and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedance of SS action level was found at B1 on 06 Oct 2021 and exceedance of SS limit level was found at CR2 on 06 Oct 2021.</p> <p>B1 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is deemed to be unrelated to the Project.</p>		

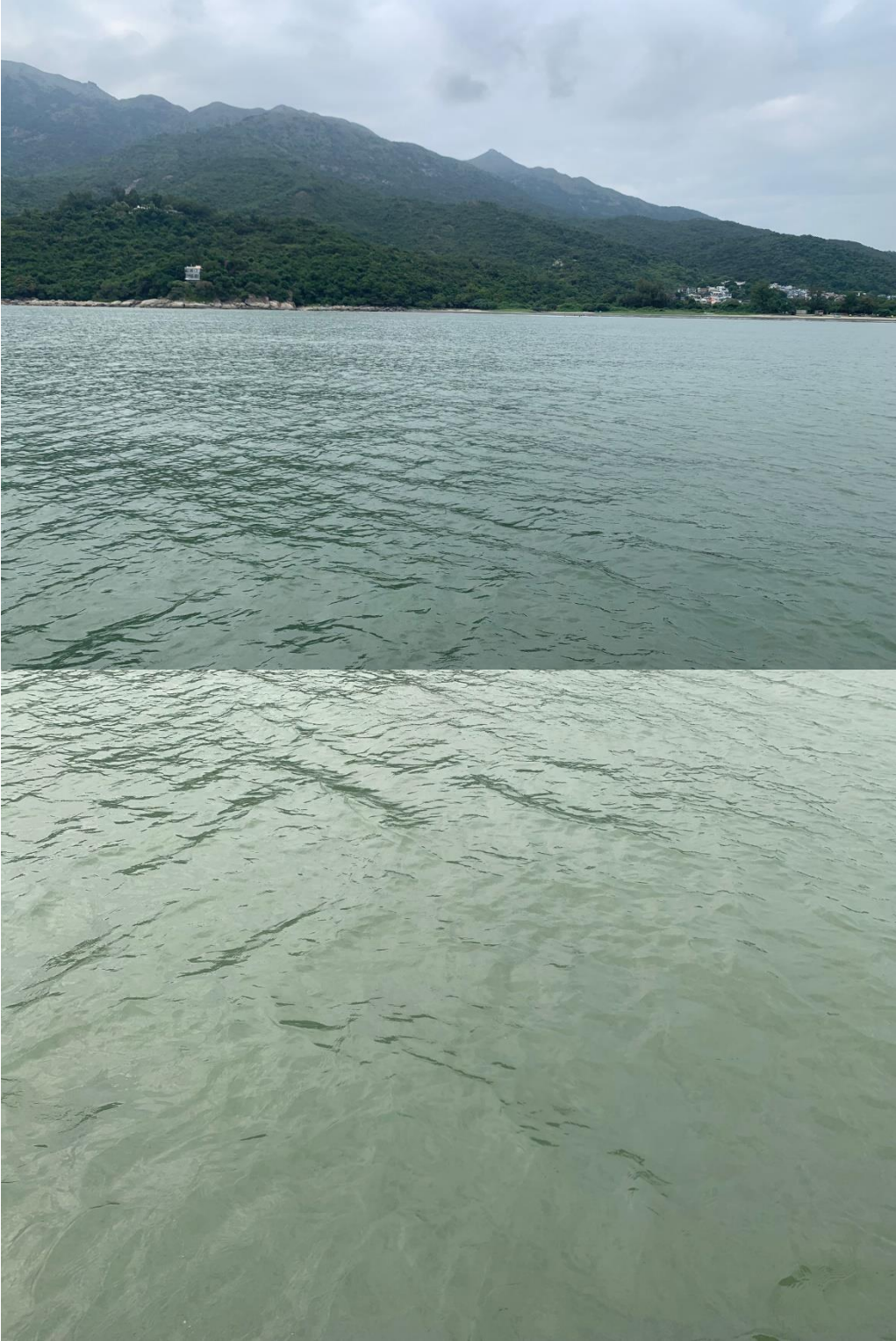
	<p>CR2 is located close to the works location within the Project site while no marine work was conducted on 06 Oct 2021.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling 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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 05 Oct 2021.</p> <p>After the investigation, the exceedances on 06 Oct 2021 at B1 and CR2 are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B1:</p> 

CR2:



Mid-Flood

<p>Monitoring Location</p>	<p>B2, F1A</p> 		
<p>Parameter</p>	<p>Suspended Solid (SS)</p>		
<p>Action &amp; Limit Levels</p>	<p>Action Level  <math>\geq 9.2</math> mg/L (120% of C2A)</p>		<p>Limit Level  <math>\geq 10.0</math> mg/L (130% of C2A)</p>
<p>Measurement Level</p>	<p>Impact Station(s) of Exceedance                  12.0 mg/L (B2)                  10.0 mg/L (F1A)</p>	<p>Control Stations                  11.5 mg/L (C1A)                  7.7 mg/L (C2A)</p>	<p>Impact Station(s) without Exceedance                  6.6 mg/L (B1)                  8.8 mg/L (B3)                  8.3 mg/L (B4)                  9.2 mg/L (H1)                  8.2 mg/L (M1)                  6.7 mg/L (CR1)                  7.3 mg/L (CR2)</p>
<p>Possible reason for Action or Limit Level Non-compliance</p>	<p>Works scheduled on site on 06 Oct 2021 include laying of underlayer, landfilling works, installation of instrumentation, piling pre-drilling works, piling works, piling works for pre-bored socketed H-pile and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedances of SS limit level were found at B2 and F1A on 06 Oct 2021.</p> <p>B2 and F1A are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of this monitoring stations 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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 5 Oct 2021.</p> <p>After the investigation, the exceedances on 06 Oct 2021 at B2 and F1A are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B2:</p> 



F1A:

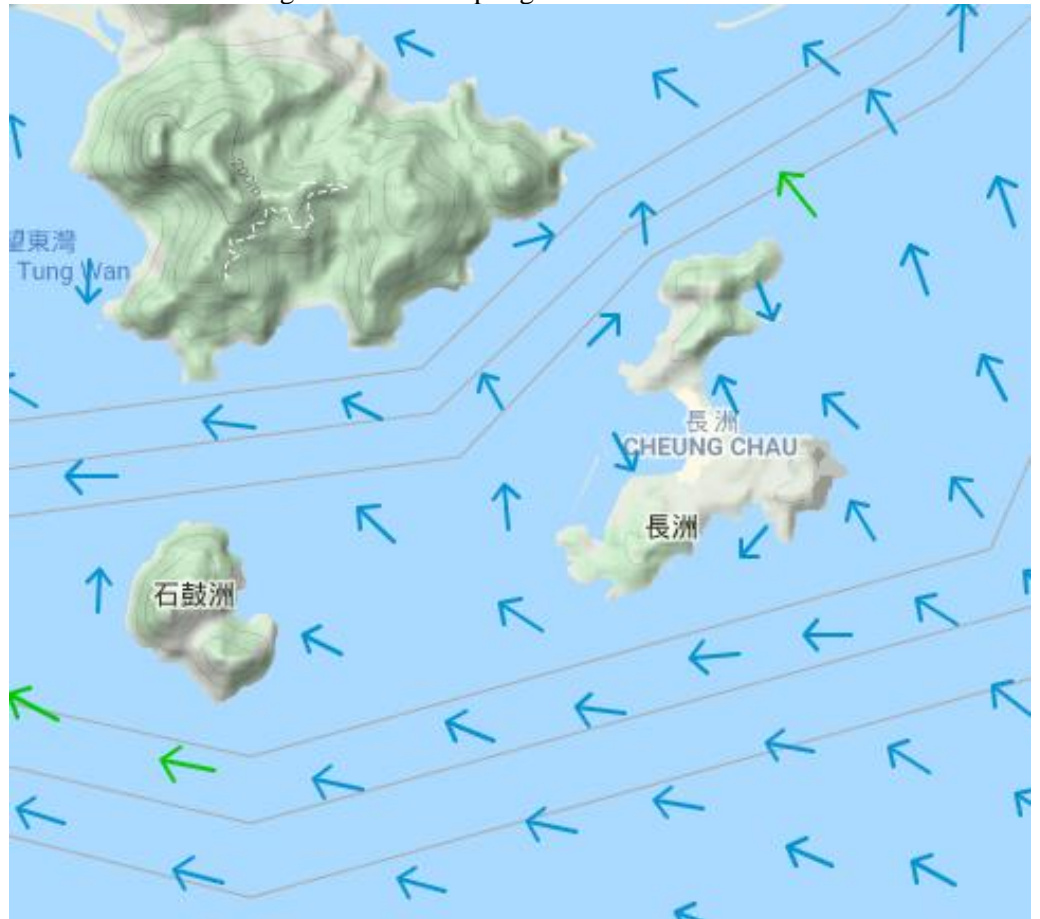


Remarks

Current direction during mid-ebb sampling on 6 Oct 2021:

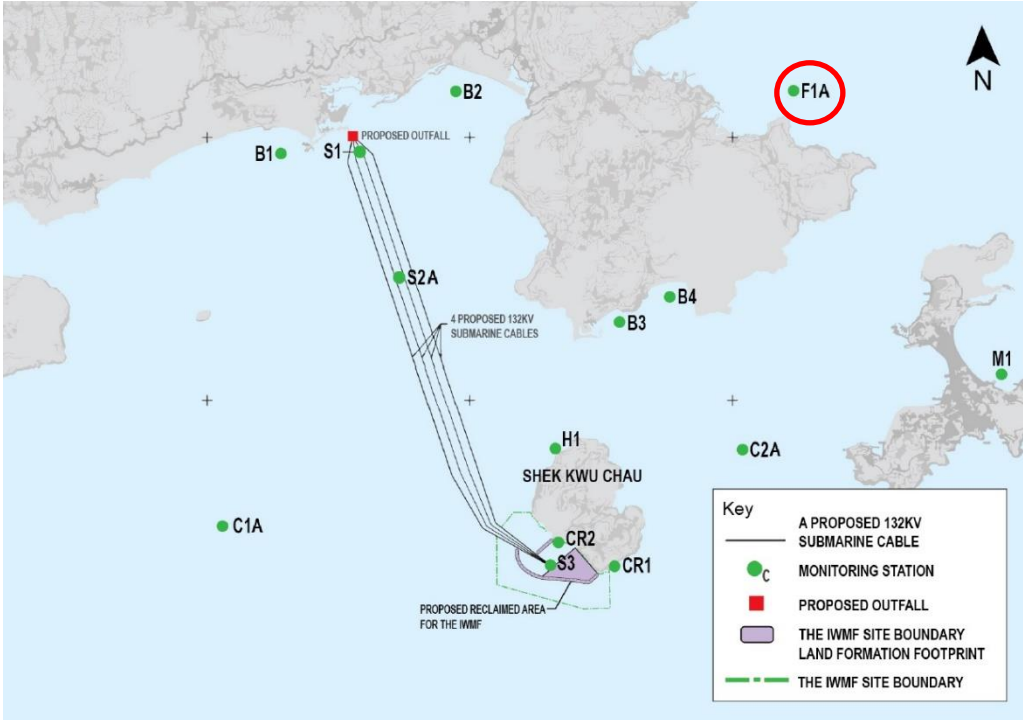



Current direction during mid-flood sampling on 6 Oct 2021:



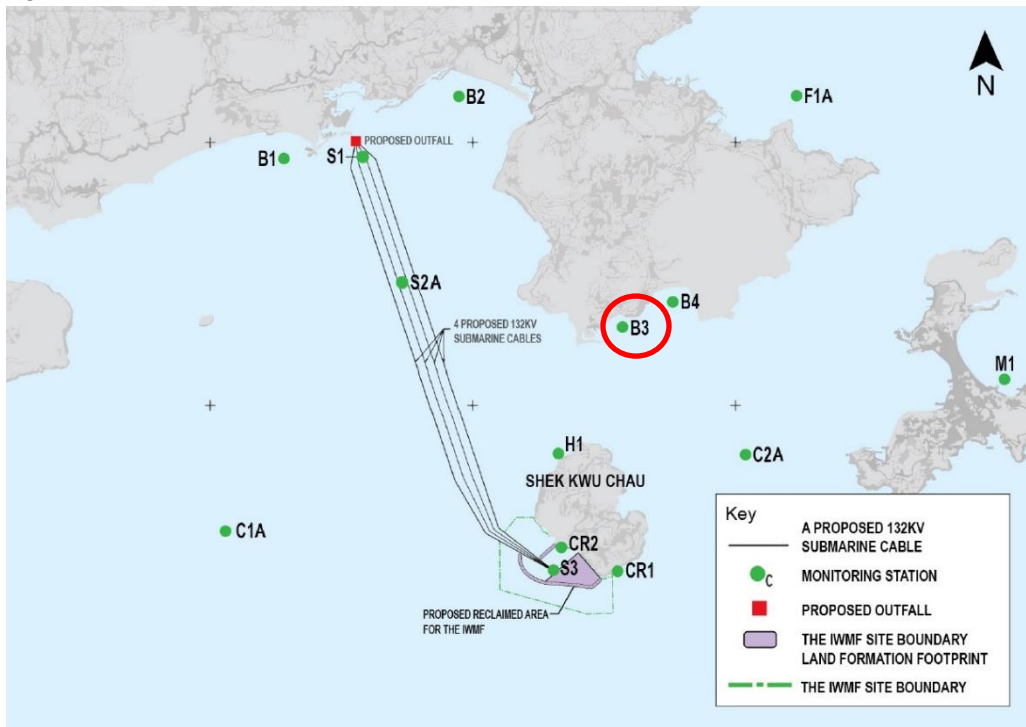
	<b>Legend</b>							
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0     →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5     →</td> <td style="padding: 5px;">2.5 and above  →</td> </tr> </tbody> </table>	Speed (knot)	Speed (knot)	0-0.5       →	1.5-2.0       →	0.5-1.0     →	2.0-2.5       →	1.0-1.5     →
Speed (knot)	Speed (knot)							
0-0.5       →	1.5-2.0       →							
0.5-1.0     →	2.0-2.5       →							
1.0-1.5     →	2.5 and above  →							
(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> )								
Prepared by	Joe Ho							
Date	1 Nov 2021							


Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	11 Oct 2021 (Lab result received on 18 Oct 2021)		
Time	14:15 – 17:45 (Mid-Ebb) 08:42 – 12:12 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	F1A 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 12.8 mg/L (120% of C1A)		≥ 13.9 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	15.7 mg/L (F1A)	10.7 mg/L (C1A) 10.5 mg/L (C2A)	8.0 mg/L (B1) 6.3 mg/L (B2) 9.0 mg/L (B3) 8.5 mg/L (B4) 8.7 mg/L (H1) 5.0 mg/L (M1) 8.5 mg/L (CR1) 5.5 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 11 Oct 2021 include installation of instrumentation, piling pre-drilling works, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedance of SS limit level was found at F1A on 11 Oct 2021.</p> <p>F1A is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is deemed to be unrelated to the Project.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area</p>		

	<p>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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 5 Oct 2021.</p> <p>After the investigation, the exceedance on 11 Oct 2021 at F1A is deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>F1A:</p> 

Mid-Flood

<p>Monitoring Location</p>	<p>B3</p>  <p>Key</p> <ul style="list-style-type: none"> <li>A PROPOSED 132KV SUBMARINE CABLE</li> <li>MONITORING STATION</li> <li>PROPOSED OUTFALL</li> <li>THE IWMF SITE BOUNDARY</li> <li>LAND FORMATION FOOTPRINT</li> <li>THE IWMF SITE BOUNDARY</li> </ul>		
<p>Parameter</p>	<p>Suspended Solid (SS)</p>		
<p>Action &amp; Limit Levels</p>	<p>Action Level  <math>\geq 8.0</math> mg/L</p>	<p>Limit Level  <math>\geq 10.0</math> mg/L</p>	
<p>Measurement Level</p>	<p>Impact Station(s) of Exceedance              8.5 mg/L (B3)</p>	<p>Control Stations              7.8 mg/L (C1A)              6.2 mg/L (C2A)</p>	<p>Impact Station(s) without Exceedance              6.8 mg/L (B1)              5.8 mg/L (B2)              7.8 mg/L (B4)              6.0 mg/L (F1A)              5.7 mg/L (H1)              6.8 mg/L (M1)              6.5 mg/L (CR1)              6.5 mg/L (CR2)</p>
<p>Possible reason for Action or Limit Level Non-compliance</p>	<p>Works scheduled on site on 11 Oct 2021 include installation of instrumentation, piling pre-drilling works, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedance of SS action level was found at B3 on 11 Oct 2021.</p> <p>B3 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is 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>		

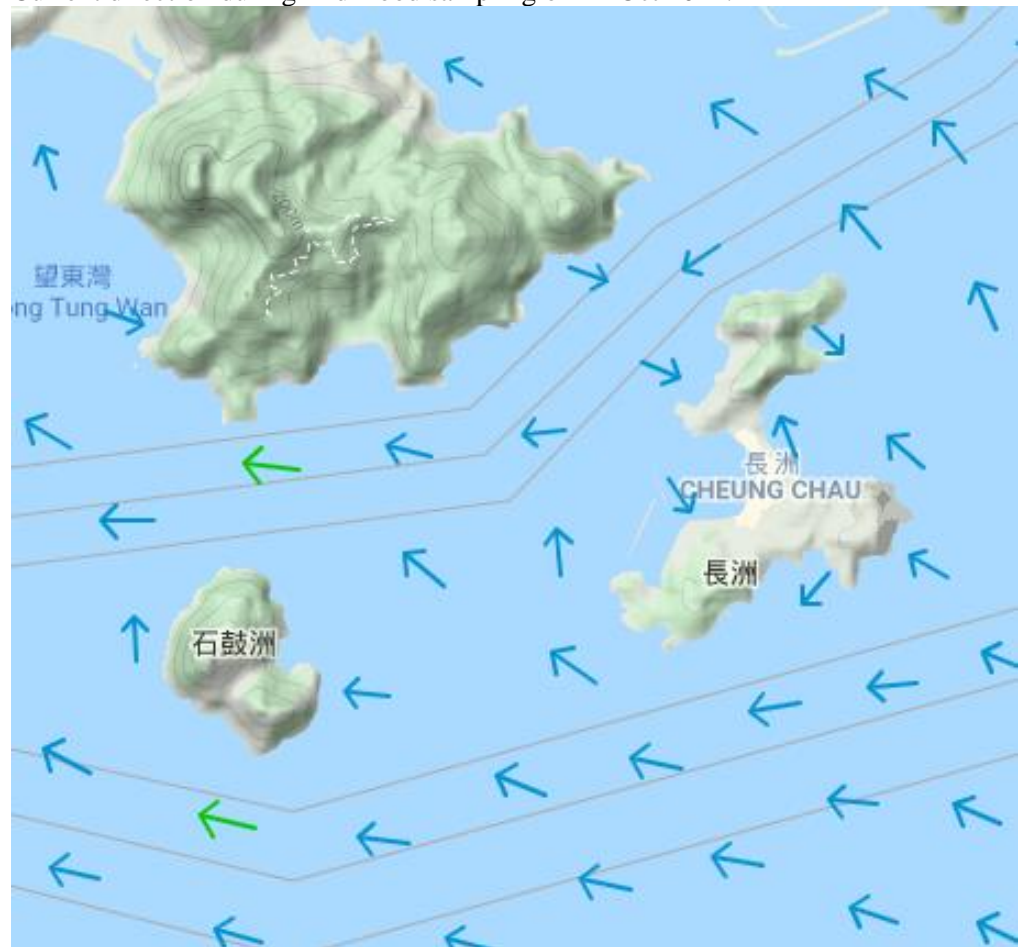
	<p>No major observation of improper site practices that could contribute to the increase of the suspended solids was recorded during the weekly inspection on 5 Oct 2021.</p> <p>After the investigation, the exceedance on 11 Oct 2021 at B3 is deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B3:</p> 

Remarks

Current direction during mid-ebb sampling on 11 Oct 2021:



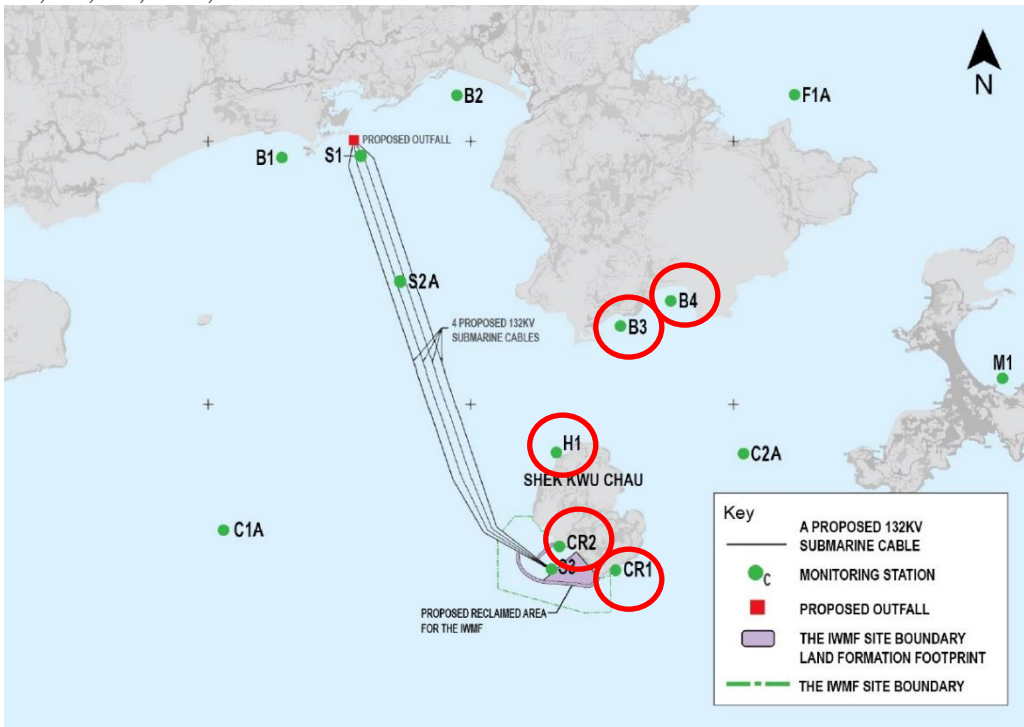
Current direction during mid-flood sampling on 11 Oct 2021:






	<b>Legend</b>								
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0     →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5     →</td> <td style="padding: 5px;">2.5 and above  →</td> </tr> </tbody> </table>	Speed (knot)	Speed (knot)	0-0.5       →	1.5-2.0       →	0.5-1.0     →	2.0-2.5       →	1.0-1.5     →	2.5 and above  →
Speed (knot)	Speed (knot)								
0-0.5       →	1.5-2.0       →								
0.5-1.0     →	2.0-2.5       →								
1.0-1.5     →	2.5 and above  →								
(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> )									
Prepared by	Joe Ho								
Date	1 Nov 2021								

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

Project	Integrated Waste Management Facilities, Phase 1		
Date	15 Oct 2021 (Lab result received on 22 Oct 2021)		
Time	08:00 – 10:03 (Mid-Ebb) 14:26 – 17:56 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	B3, B4, H1, CR1, CR2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 13.6 mg/L (120% of C1A)		≥ 14.7 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	16.5 mg/L (B3) 15.5 mg/L (B4) 17.8 mg/L (H1) 14.7 mg/L (CR1) 16.7 mg/L (CR2)	11.3 mg/L (C1A) 8.5 mg/L (C2A)	12.5 mg/L (B1) 13.3 mg/L (B2) 9.7 mg/L (F1A) 7.8 mg/L (M1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 15 Oct 2021 include installation of blockwork marine access facility, landfilling works, installation of instrumentation, piling pre-drilling works, pilling works, piling works for driven pile, piling works for pre-bored socketed H-pile and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of SS limit level were found at B3, B4, H1, CR1 and CR2 on 15 Oct 2021</p> <p>B3, B4, H1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p> <p>CR1 and CR2 are located close to the works location within the Project site while no</p>		

	<p>marine work was conducted on 15 Oct 2021.</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 and rainy during the sampling event.</p> <p>After the investigation, the exceedances on 15 Oct 2021 at B3, B4, H1, CR1 and CR2 are deemed to be unrelated to the Project.</p>
Monitoring photos of stations with exceedance	<p>B3:</p> 

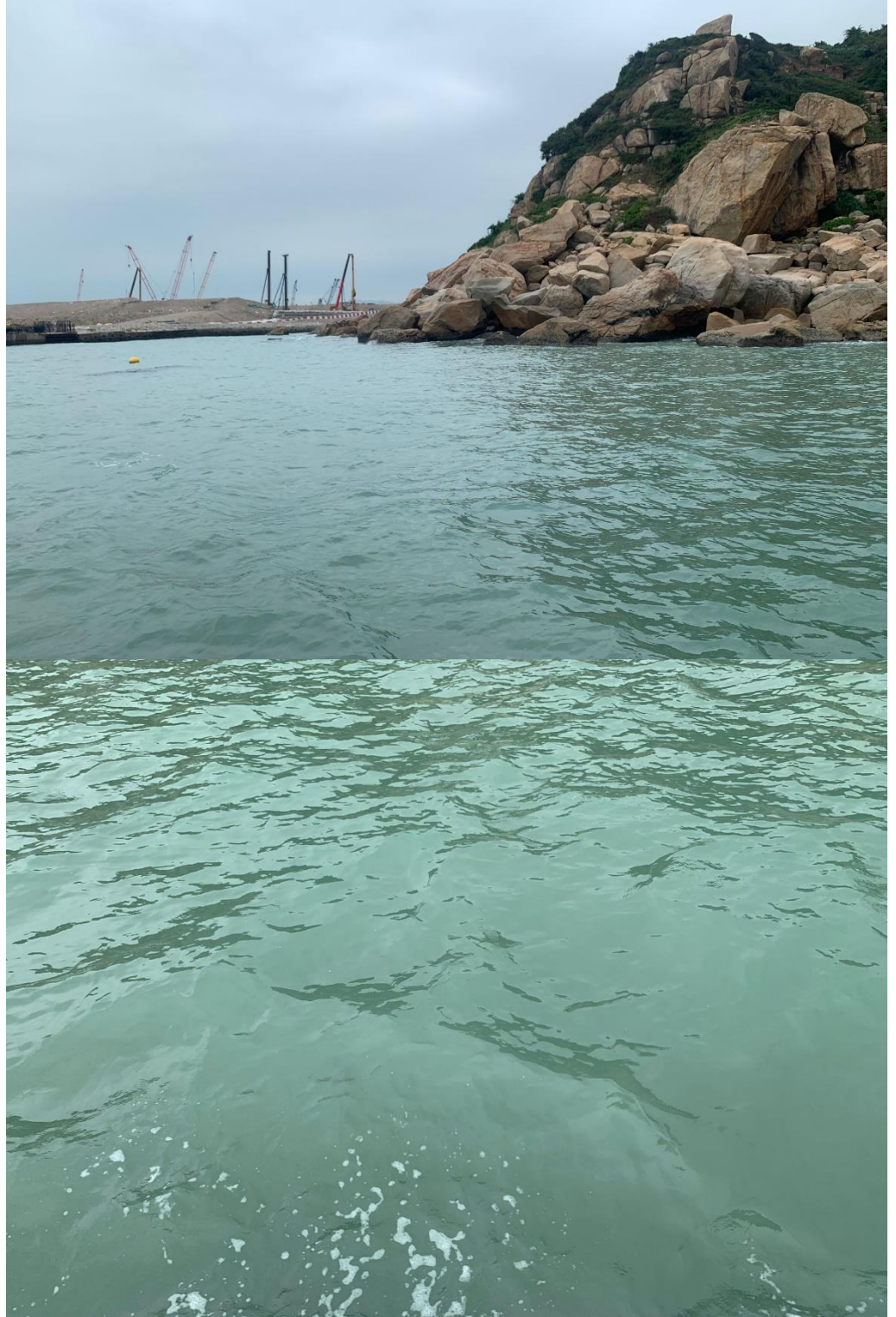
B4:



H1:



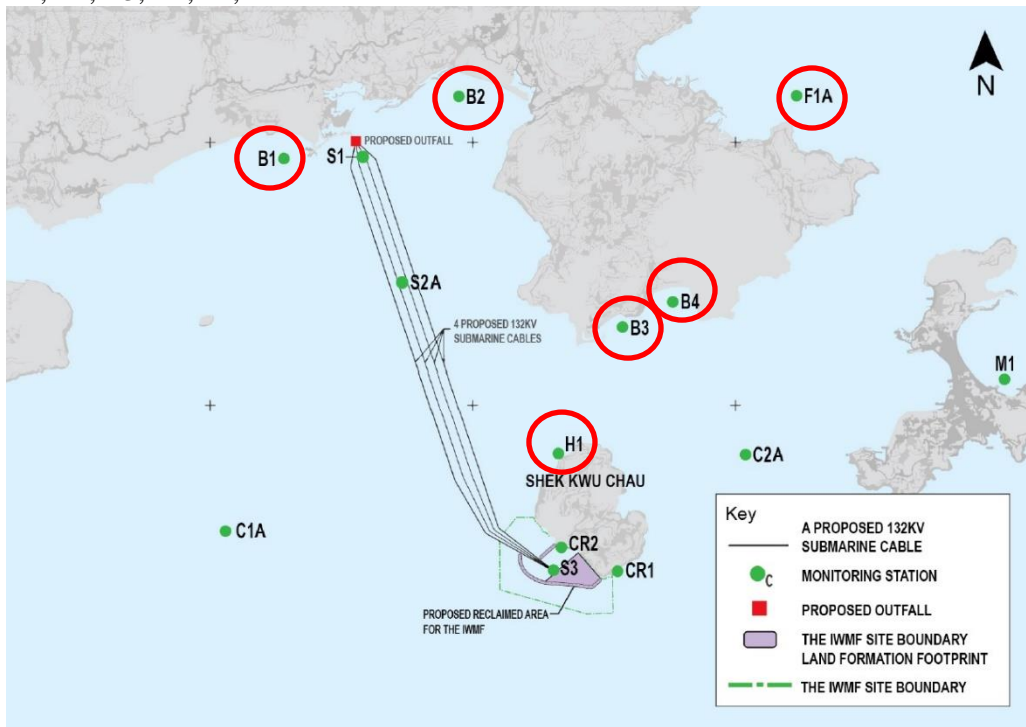
CR1:



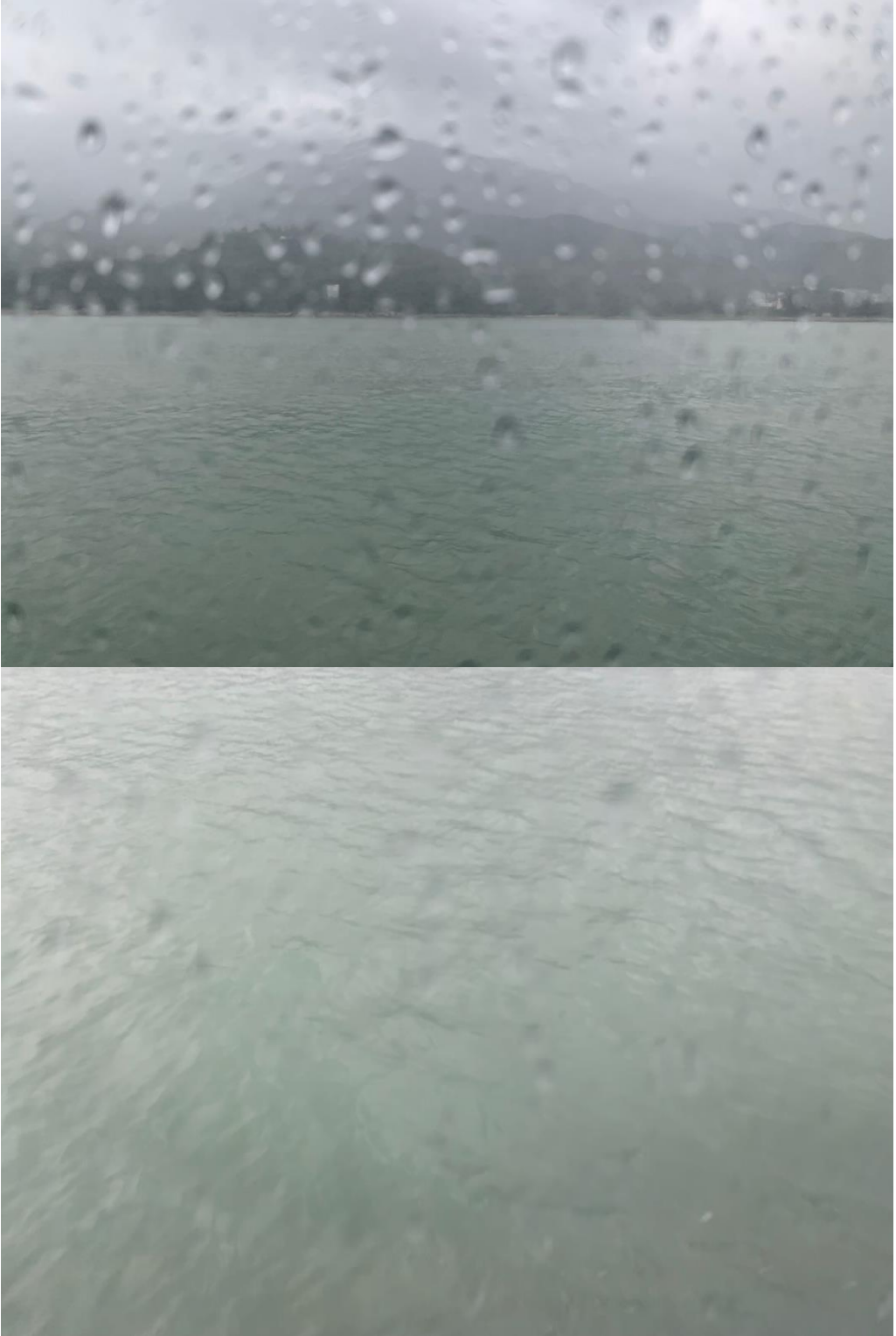
CR2:



Mid-Flood

<p>Monitoring Location</p>	<p>B1, B2, B3, B4, F1, H1</p> 		
<p>Parameter</p>	<p>Suspended Solid (SS)</p>		
<p>Action &amp; Limit Levels</p>	<p>Action Level  <math>\geq 8.0</math> mg/L</p>		<p>Limit Level  <math>\geq 10.0</math> mg/L</p>
<p>Measurement Level</p>	<p>Impact Station(s) of Exceedance</p> <p>11.0 mg/L (B1)              13.5 mg/L (B2)              10.5 mg/L (B3)              15.3 mg/L (B4)              9.8 mg/L (F1A)              12.8 mg/L (H1)</p>	<p>Control Stations</p> <p>7.3 mg/L (C1A)              6.5 mg/L (C2A)</p>	<p>Impact Station(s) without Exceedance</p> <p>7.0 mg/L (M1)              6.2 mg/L (CR1)              7.5 mg/L (CR2)</p>
<p>Possible reason for Action or Limit Level Non-compliance</p>	<p>Works scheduled on site on 15 Oct 2021 include installation of blockwork marine access facility, landfilling works, installation of instrumentation, piling pre-drilling works, pilling works, piling works for driven pile, piling works for pre-bored socketed H-pile and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedance of SS action level was found at F1A on 15 Oct 2021 and exceedances of SS limit level were found at B1, B2, B3, B4 and H1 on 15 Oct 2021</p> <p>B1, B2, B3, B4, F1A and H1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations 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 and rainy during</p>		



	<p>the sampling event.</p> <p>After the investigation, the exceedances on 15 Oct 2021 at B1, B2, B3, B4, F1A and H1 are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B1:</p> 

B2:



B3:



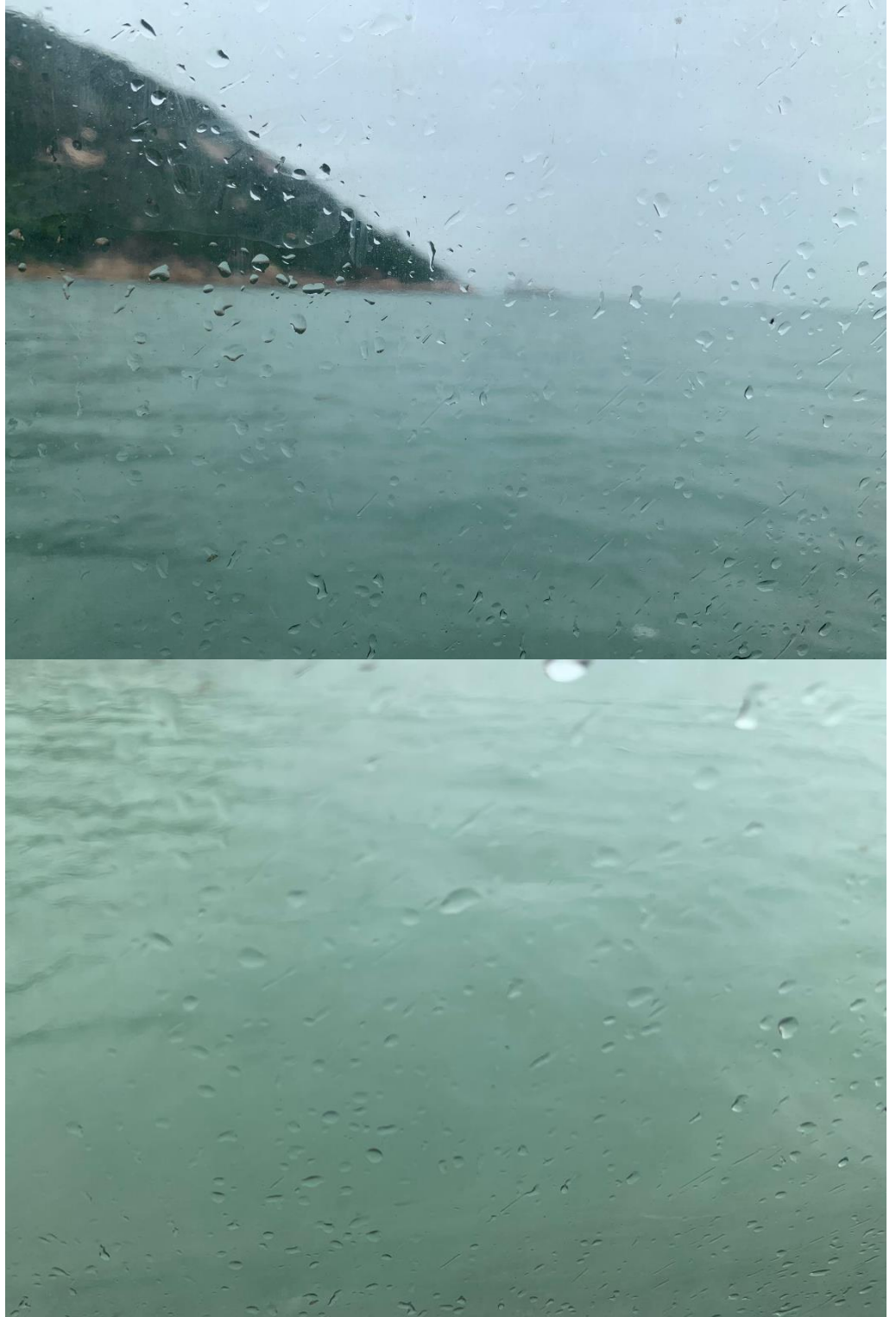
B4:



F1A:



H1:



Remarks

Current direction during mid-ebb sampling on 15 Oct 2021:



Current direction during mid-flood sampling on 15 Oct 2021:




	<b>Legend</b>									
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0     →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5     →</td> <td style="padding: 5px;">2.5 and above  →</td> </tr> </tbody> </table>		Speed (knot)	Speed (knot)	0-0.5       →	1.5-2.0       →	0.5-1.0     →	2.0-2.5       →	1.0-1.5     →	2.5 and above  →
Speed (knot)	Speed (knot)									
0-0.5       →	1.5-2.0       →									
0.5-1.0     →	2.0-2.5       →									
1.0-1.5     →	2.5 and above  →									
	(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> )									
Prepared by	Joe Ho									
Date	1 Nov 2021									



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

Project	Integrated Waste Management Facilities, Phase 1		
Date	17 Oct 2021 (Lab result received on 22 Oct 2021)		
Time	08:28 – 11:58 (Mid-Ebb)		
Monitoring Location	Mid-Ebb B1, F1A		
	<p>The map shows the Shek Kwu Chau area with various monitoring stations and a proposed outfall. Stations B1 and F1A are circled in red. The outfall is marked with a red square. The map includes a key for submarine cables, monitoring stations, outfalls, and site boundaries.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.2 mg/L (120% of C1A)		≥ 10.6 mg/L (130% of C1A)
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	16.8 mg/L (B1) 11.0 mg/L (F1A)	8.2 mg/L (C1A) 10.3 mg/L (C2A)	5.0 mg/L (B2) 7.5 mg/L (B3) 8.0 mg/L (B4) 7.5 mg/L (H1) 4.3 mg/L (M1) 6.3 mg/L (CR1) 4.7 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 17 Oct 2021 include installation of blockwork marine access facility, installation of concrete mattress, landfilling works, pilling works and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of SS limit level were found at B1 and F1A on 17 Oct 2021</p> <p>B1 and F1A are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations 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>		

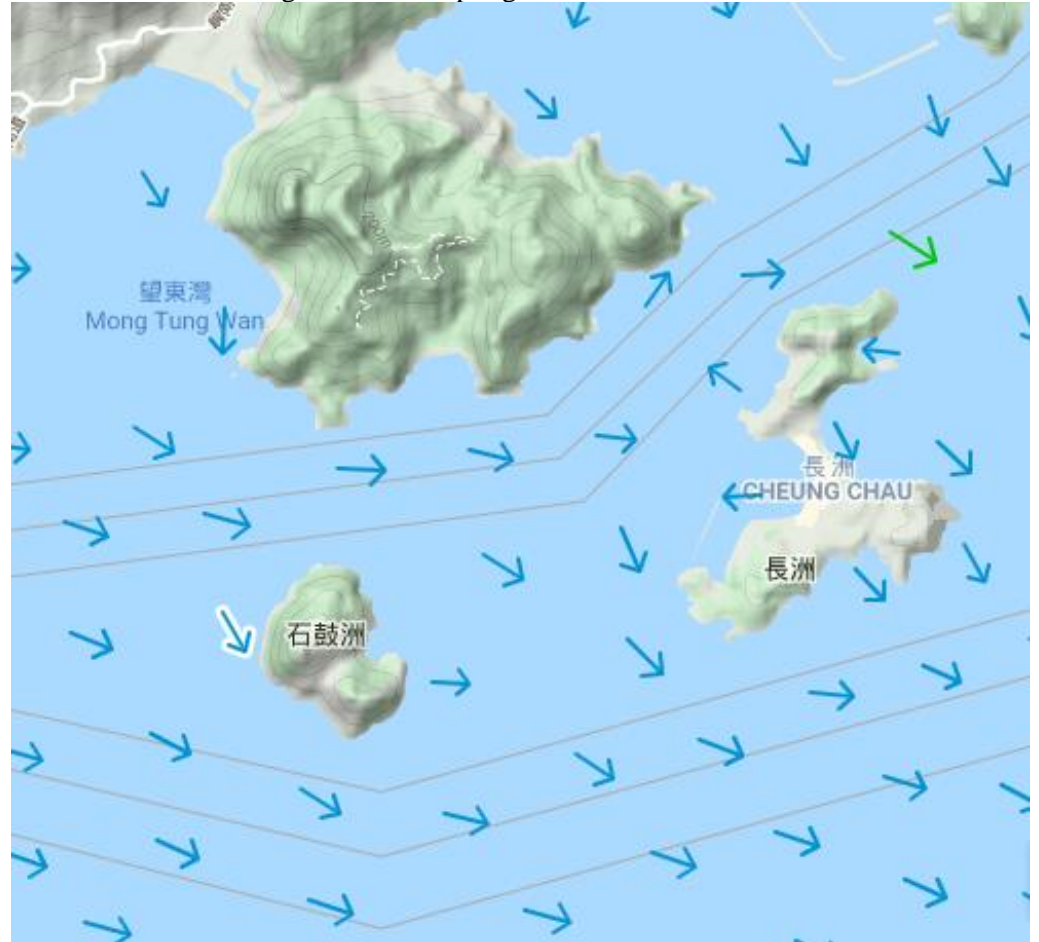
	<p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that could contribute to the increase of the suspended solids was recorded during the weekly inspection on 05 Oct 2021.</p> <p>After the investigation, the exceedances on 17 Oct 2021 at B1 and F1A are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B1:</p> 

F1A:



Remarks

Current direction during mid-ebb sampling on 17 Oct 2021:



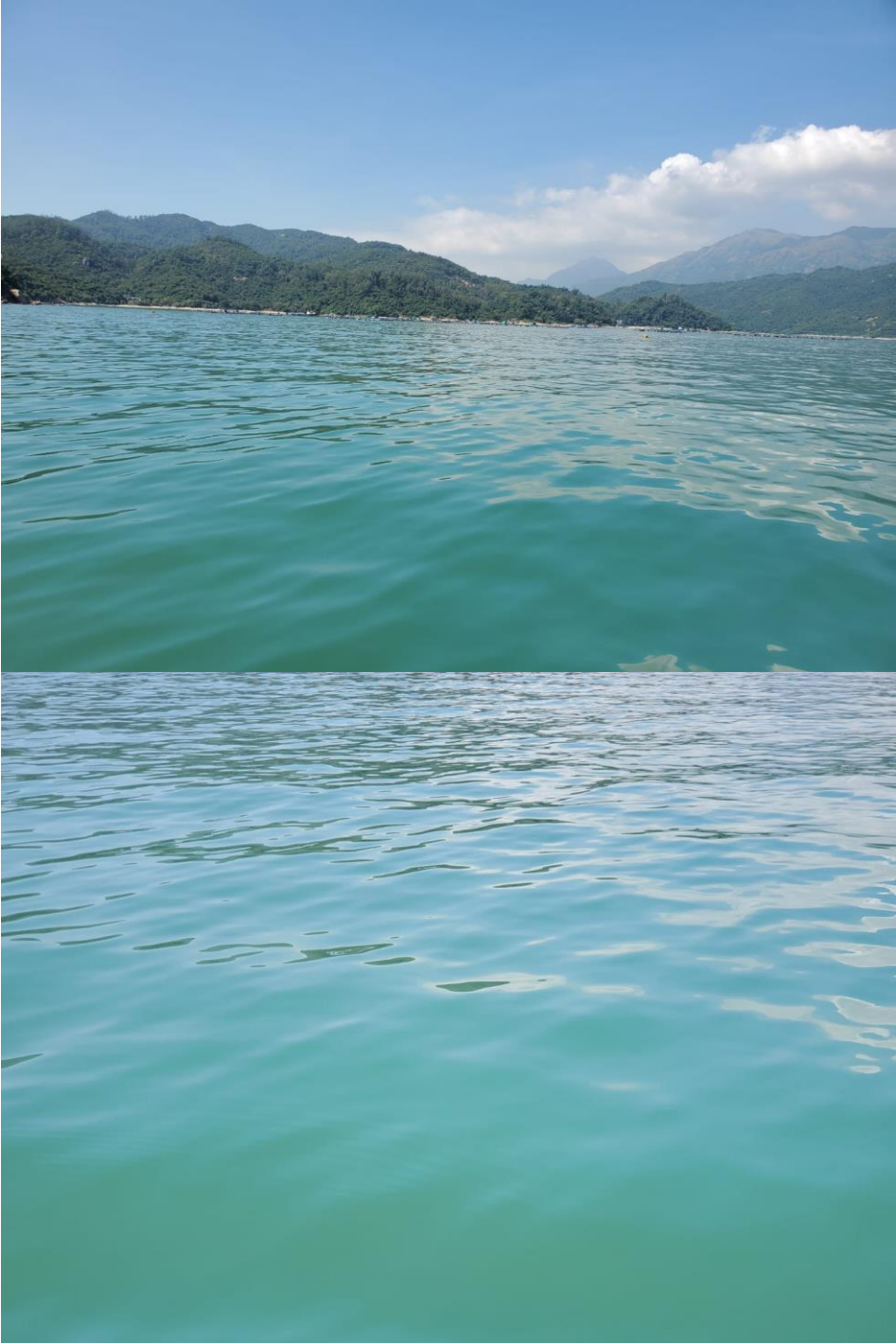
Legend			
Speed (knot)		Speed (knot)	
0-0.5	→	1.5-2.0	→
0.5-1.0	→	2.0-2.5	→
1.0-1.5	→	2.5 and above	→

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

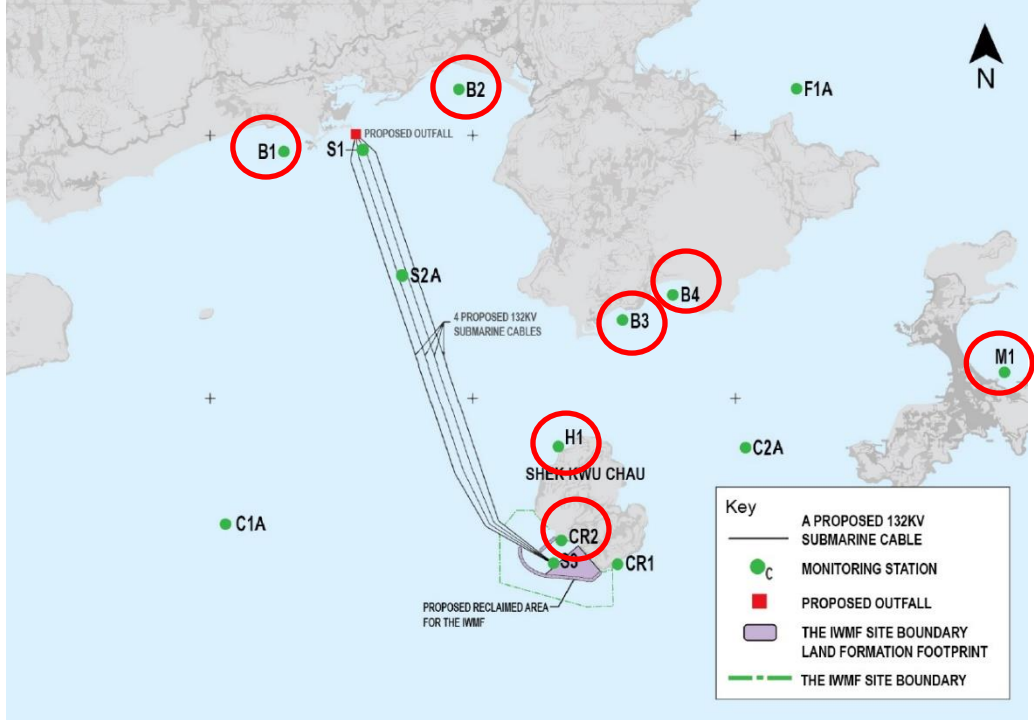
Prepared by	Joe Ho
Date	1 Nov 2021


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

Project	Integrated Waste Management Facilities, Phase 1		
Date	19 Oct 2021 (Lab result received on 28 Oct 2021)		
Time	09:49 – 13:19 (Mid-Ebb) 15:01 – 18:31 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	<p>F1A</p> <p>The map shows the Shek Kwu Chau area with various monitoring stations marked with green dots. A red square indicates the proposed outfall. Four blue lines represent the proposed 132KV submarine cables. A purple shaded area shows the IWMF site boundary and land formation footprint. A green dashed line indicates the IWMF site boundary. Station F1A is circled in red.</p>		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 9.2 mg/L (120% of C1A)		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	11.8 mg/L (F1A)	7.7 mg/L (C1A) 11.7 mg/L (C2A)	7.3 mg/L (B1) 5.5 mg/L (B2) 7.3 mg/L (B3) 5.3 mg/L (B4) 6.2 mg/L (H1) 7.7 mg/L (M1) 8.3 mg/L (CR1) 6.8 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 19 Oct 2021 include installation of caisson, laying of rock armour, landfilling works, installation of instrumentation, piling pre-drilling works, piling works and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedance of SS limit level was found at F1A on 19 Oct 2021</p> <p>F1A is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is 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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 19 Oct 2021.</p> <p>After the investigation, the exceedance on 19 Oct 2021 at F1A is deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>F1A:</p> 

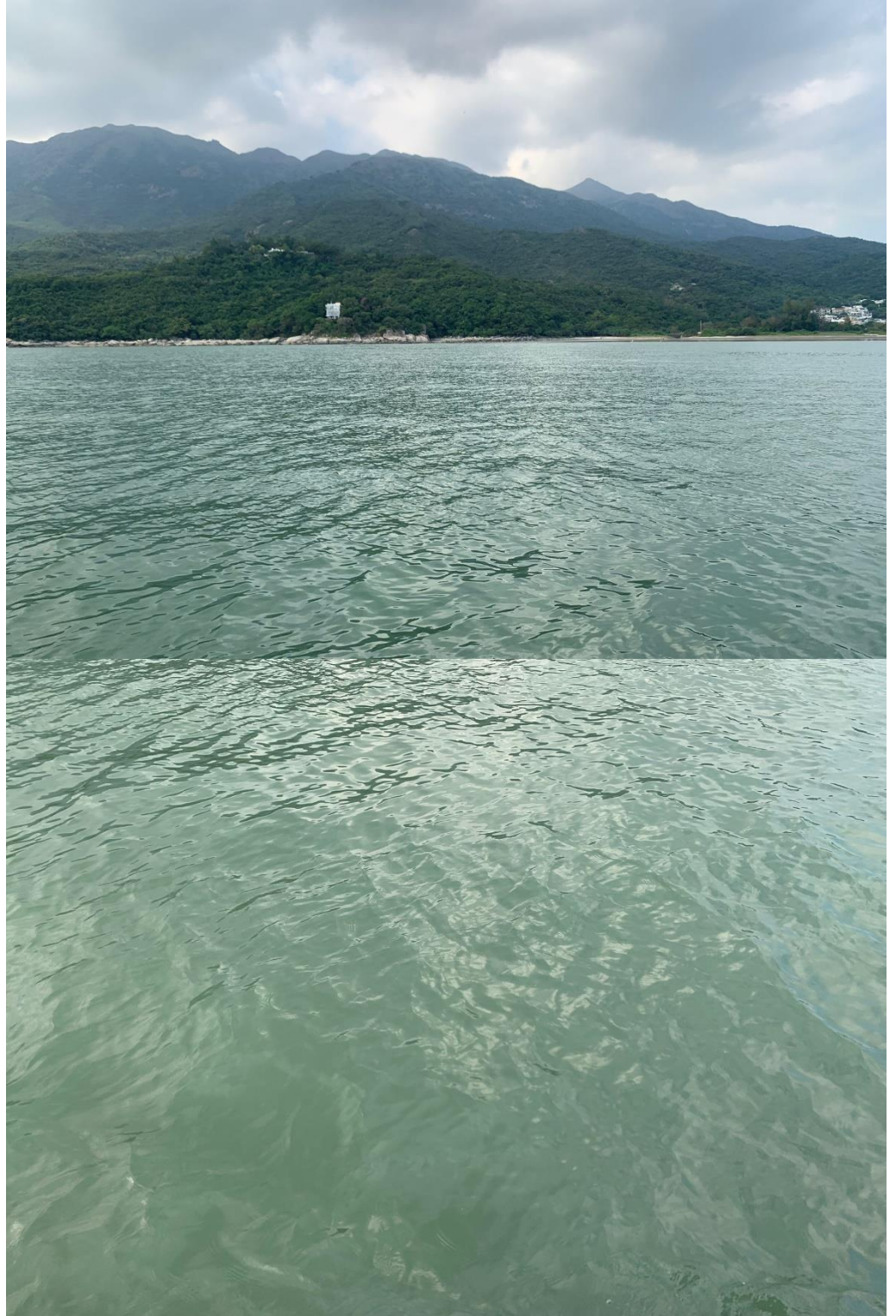
Mid-Flood

<p>Monitoring Location</p>	<p>B1, B2, B3, B4, H1, M1 and CR2</p> 		
<p>Parameter</p>	<p>Suspended Solid (SS)</p>		
<p>Action &amp; Limit Levels</p>	<p>Action Level  <math>\geq 8.0</math> mg/L</p>		<p>Limit Level  <math>\geq 10.0</math> mg/L</p>
<p>Measurement Level</p>	<p>Impact Station(s) of Exceedance</p> <p>8.5 mg/L (B1)              12.3 mg/L (B2)              13.3 mg/L (B3)              13.5 mg/L (B4)              9.5 mg/L (H1)              10.8 mg/L (M1)              10.0 mg/L (CR2)</p>	<p>Control Stations</p> <p>5.0 mg/L (C1A)              4.5 mg/L (C2A)</p>	<p>Impact Station(s) without Exceedance</p> <p>4.8 mg/L (F1A)              7.7 mg/L (CR1)</p>
<p>Possible reason for Action or Limit Level Non-compliance</p>	<p>Works scheduled on site on 19 Oct 2021 include installation of caisson, laying of rock armour, landfilling works, installation of instrumentation, piling pre-drilling works, piling works and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedances of SS action level were found at B1 and H1 on 19 Oct 2021 and exceedances of SS limit level were found at B2, B3, B4, M1 and CR2 on 19 Oct 2021</p> <p>B1, B2, B3, B4, H1 and M1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p> <p>CR2 is located close to the works location within the Project site while no marine work was conducted on 19 Oct 2021.</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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 05 Oct 2021.</p> <p>After the investigation, the exceedances on 19 Oct 2021 at B1, B2, B3, B4, H1, M1 and CR2 are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B1:</p> 



B2:



B3:



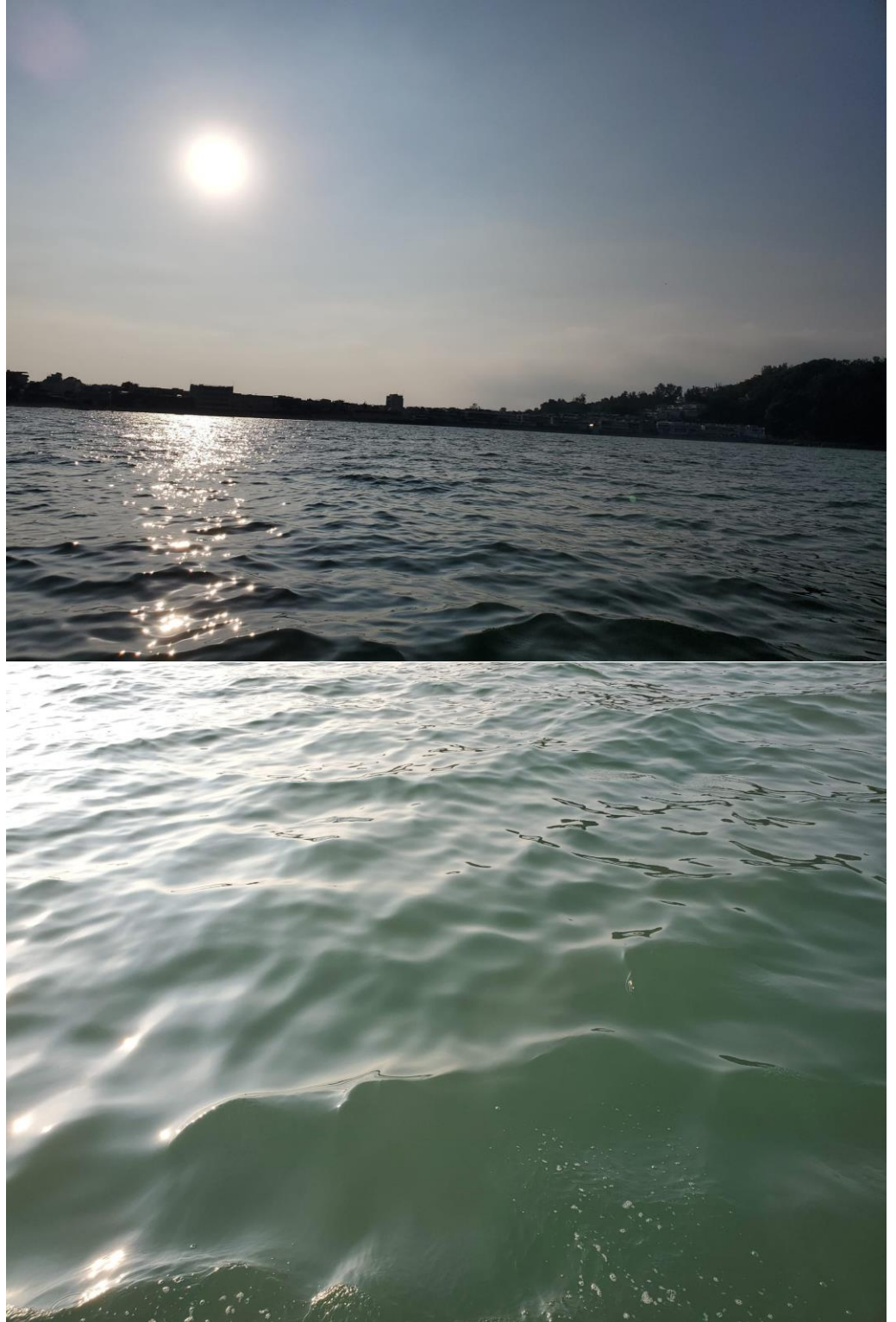
B4:



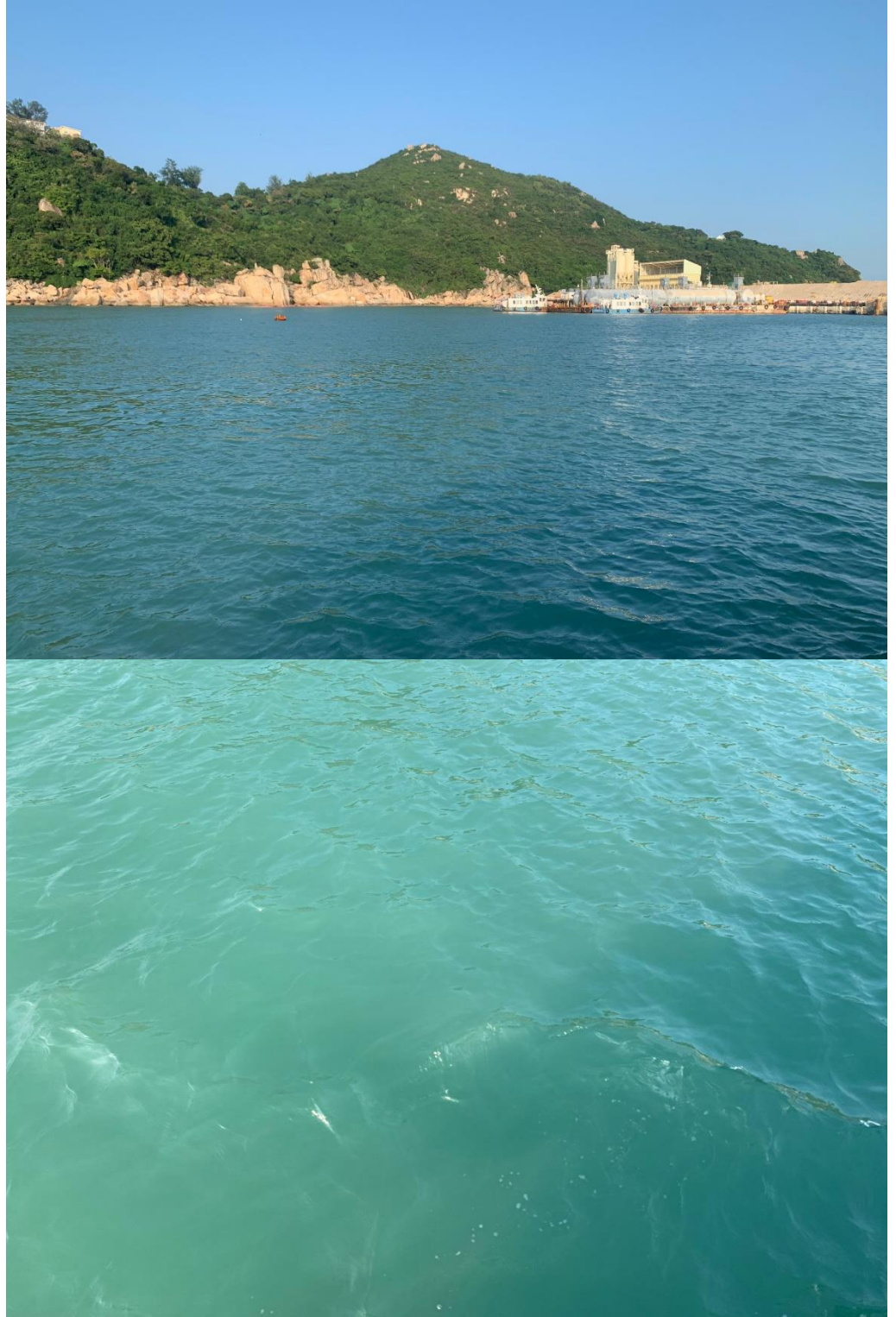
H1:



M1:

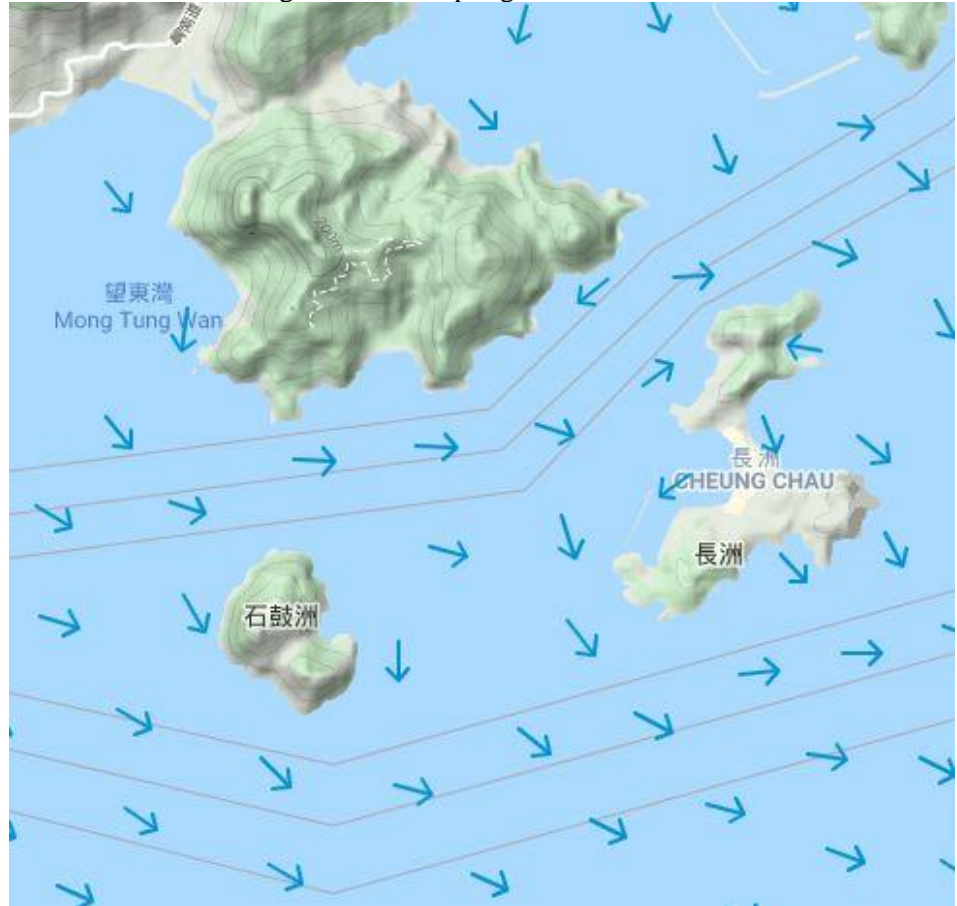


CR2:

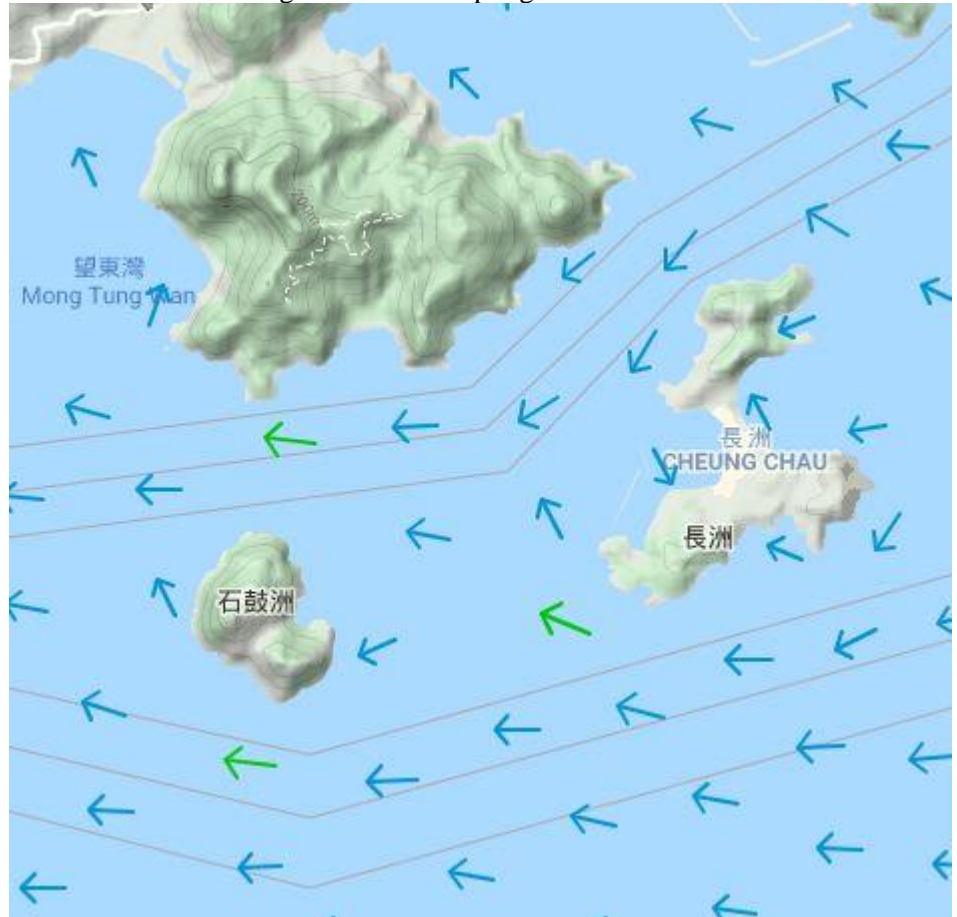


Remarks

Current direction during mid-ebb sampling on 19 Oct 2021:



Current direction during mid-flood sampling on 19 Oct 2021:




	<b>Legend</b>									
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0     →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5     →</td> <td style="padding: 5px;">2.5 and above  →</td> </tr> </tbody> </table>		Speed (knot)	Speed (knot)	0-0.5       →	1.5-2.0       →	0.5-1.0     →	2.0-2.5       →	1.0-1.5     →	2.5 and above  →
Speed (knot)	Speed (knot)									
0-0.5       →	1.5-2.0       →									
0.5-1.0     →	2.0-2.5       →									
1.0-1.5     →	2.5 and above  →									
	(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> )									
Prepared by	Joe Ho									
Date	1 Nov 2021									



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

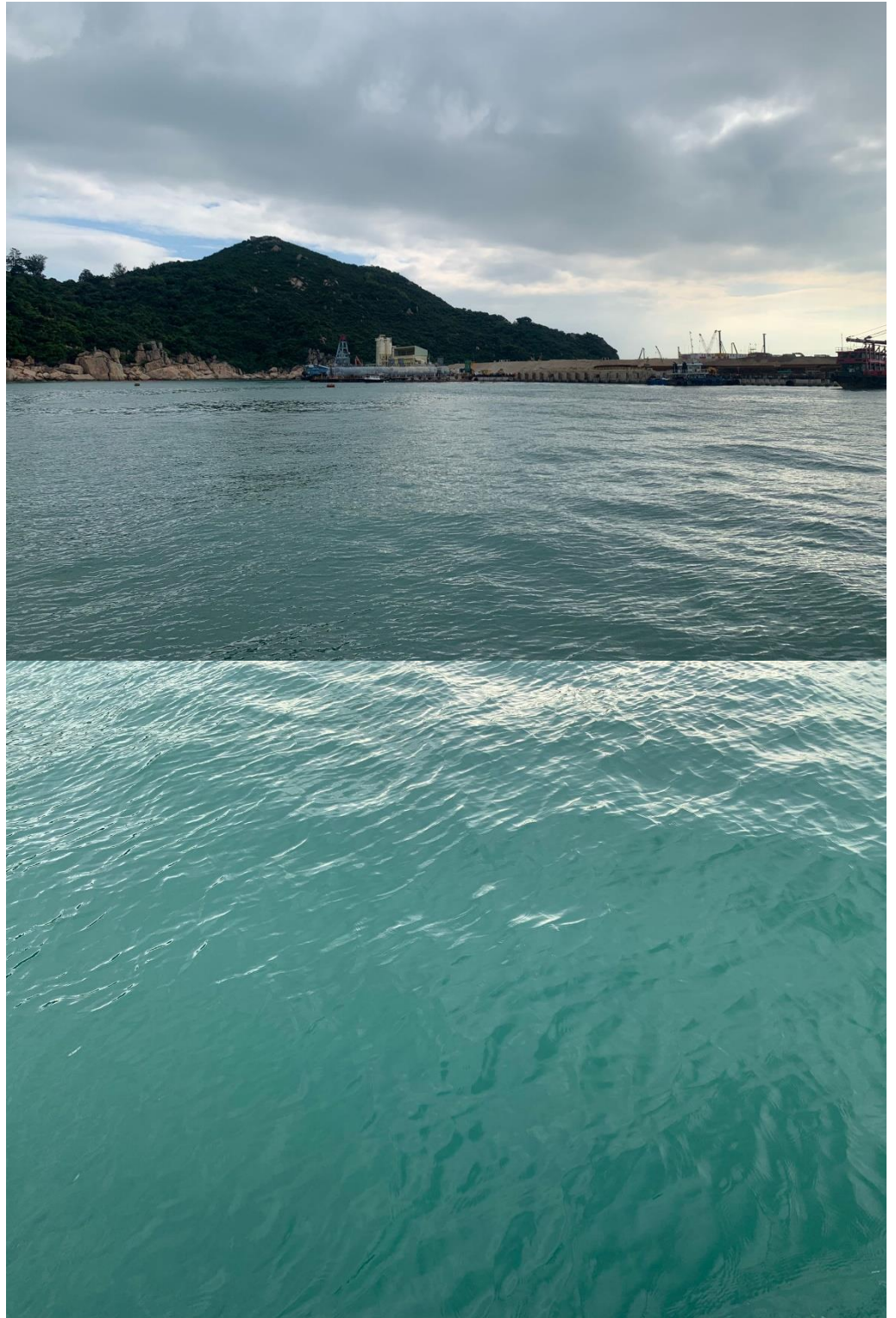
Project	Integrated Waste Management Facilities, Phase 1		
Date	24 Oct 2021 (Lab result received on 1 Nov 2021)		
Time	08:06 – 11:36 (Mid-Flood)		
Mid-Flood			
Monitoring Location	B3, M1 and CR2		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	12.8 mg/L (B3) 9.2 mg/L (M1) 9.8 mg/L (CR2)	4.6 mg/L (C1A) 6.2 mg/L (C2A)	2.9 mg/L (B1) 4.3 mg/L (B2) 6.5 mg/L (B4) 4.3 mg/L (H1) 5.8 mg/L (F1A) 7.2 mg/L (CR1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 24 Oct 2021 include installation of caisson stoppers and construction of blockwork marine access facility</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedances of SS action level were found at M1 and CR2 on 24 Oct 2021 and exceedance of SS limit level was found at B3 on 24 Oct 2021</p> <p>B3 and M1 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p> <p>CR2 is located close to the works location within the Project site while no marine work was conducted on 24 Oct 2021.</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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 19 Oct 2021.</p> <p>After the investigation, the exceedances on 24 Oct 2021 at B3, M1 and CR2 are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B3:</p> 

M1:

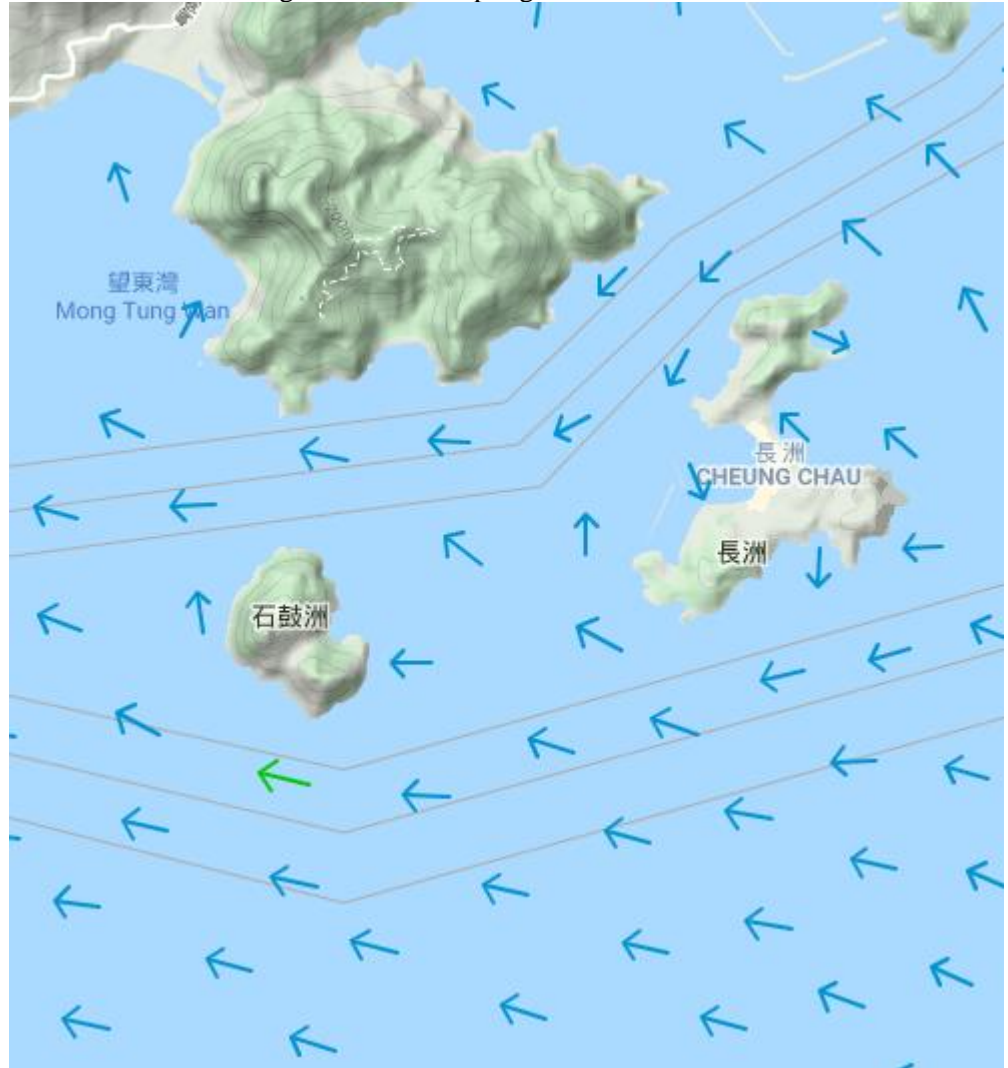


CR2:



Remarks

Current direction during mid-flood sampling on 24 Oct 2021:




Legend			
Speed (knot)		Speed (knot)	
0-0.5	→	1.5-2.0	→
0.5-1.0	→	2.0-2.5	→
1.0-1.5	→	2.5 and above	→

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

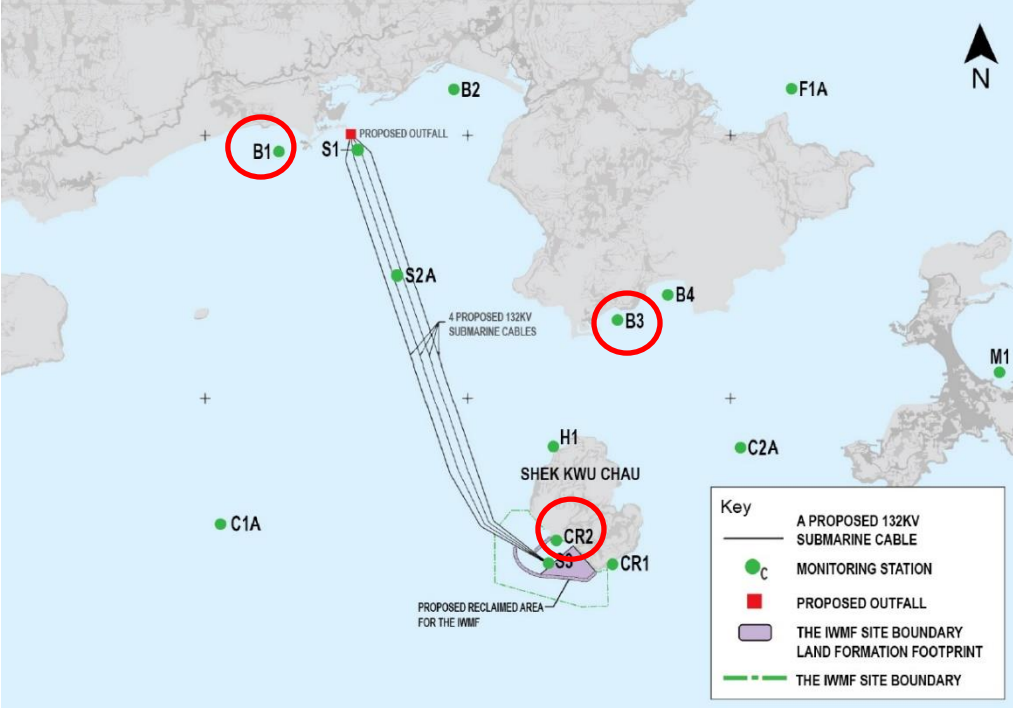
Prepared by	Joe Ho
Date	8 Nov 2021

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


Project	Integrated Waste Management Facilities, Phase 1		
Date	26 Oct 2021 (Lab result received on 2 Nov 2021)		
Time	13:15 – 16:45 (Mid-Ebb) 08:15 – 11:45 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	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
	8.3 mg/L (B4)	6.3 mg/L (C1A) 7.0 mg/L (C2A)	4.3 mg/L (B1) 3.4 mg/L (B2) 4.3 mg/L (B3) 7.8 mg/L (F1A) 5.2 mg/L (H1) 6.5 mg/L (M1) 7.5 mg/L (CR1) 7.7 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 26 Oct 2021 include levelling of rock armour, landfilling works, installation of instrumentation, piling pre-drilling works, pilling works and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedance of SS action level was found at B4 on 26 Oct 2021.</p> <p>B4 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is 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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 26 Oct 2021.</p> <p>After the investigation, the exceedance on 26 Oct 2021 at B4 is deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B4:</p>  A photograph showing a coastal landscape. In the foreground, there is a body of water with a greenish-turquoise hue. The middle ground features a sandy beach and a line of dense green vegetation. In the background, there are rolling green hills under a clear blue sky. A small structure is visible on the right side of the beach.

Mid-Flood

<p>Monitoring Location</p>	<p>B1, B3, CR2</p> 		
<p>Parameter</p>	<p>Suspended Solid (SS)</p>		
<p>Action &amp; Limit Levels</p>	<p>Action Level  <math>\geq 8.4</math> mg/L (120% of C2A)</p>		<p>Limit Level  <math>\geq 10.0</math> mg/L</p>
<p>Measurement Level</p>	<p>Impact Station(s) of Exceedance              8.5 mg/L (B1)              11.0 mg/L (B3)              8.7 mg/L (CR2)</p>	<p>Control Stations              5.8 mg/L (C1A)              7.0 mg/L (C2A)</p>	<p>Impact Station(s) without Exceedance              7.3 mg/L (B2)              5.8 mg/L (B4)              8.0 mg/L (F1A)              5.7 mg/L (H1)              6.3 mg/L (M1)              5.7 mg/L (CR1)</p>
<p>Possible reason for Action or Limit Level Non-compliance</p>	<p>Works scheduled on site on 26 Oct 2021 include levelling of rock armour, landfilling works, installation of instrumentation, piling pre-drilling works, pilling works and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedances of SS action level were found at B1 and CR2 on 26 Oct 2021 and exceedance of SS limit level was found at B3 on 26 Oct 2021</p> <p>B1 and B3 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p> <p>CR2 is located close to the works location within the Project site while no marine work was conducted on 26 Oct 2021.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p>		

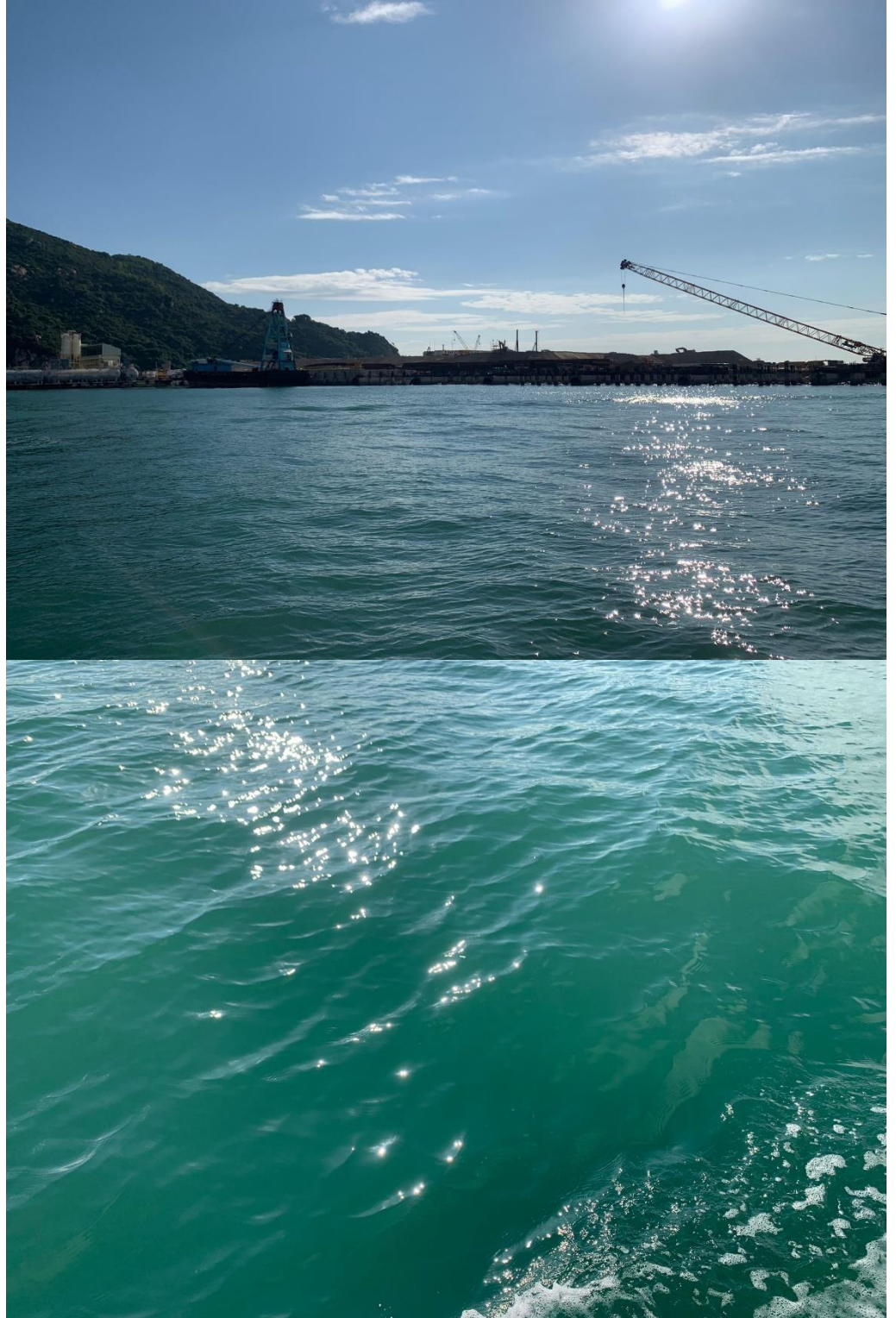


	<p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that could contribute to the increase of the suspended solids was recorded during the weekly inspection on 05 Oct 2021.</p> <p>After the investigation, the exceedances on 26 Oct 2021 at B1, B3 and CR2 are deemed to be unrelated to the Project.</p>
Monitoring photos of stations with exceedance	<p>B1:</p> 

B3:



CR2:



Remarks

Current direction during mid-ebb sampling on 26 Oct 2021:

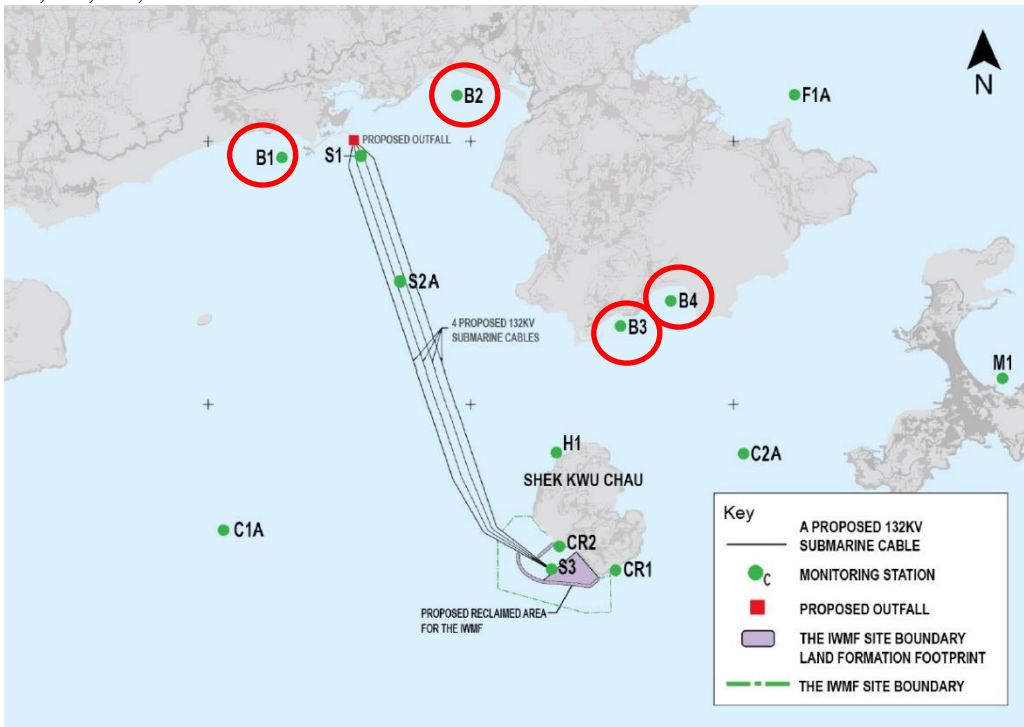



Current direction during mid-flood sampling on 26 Oct 2021:



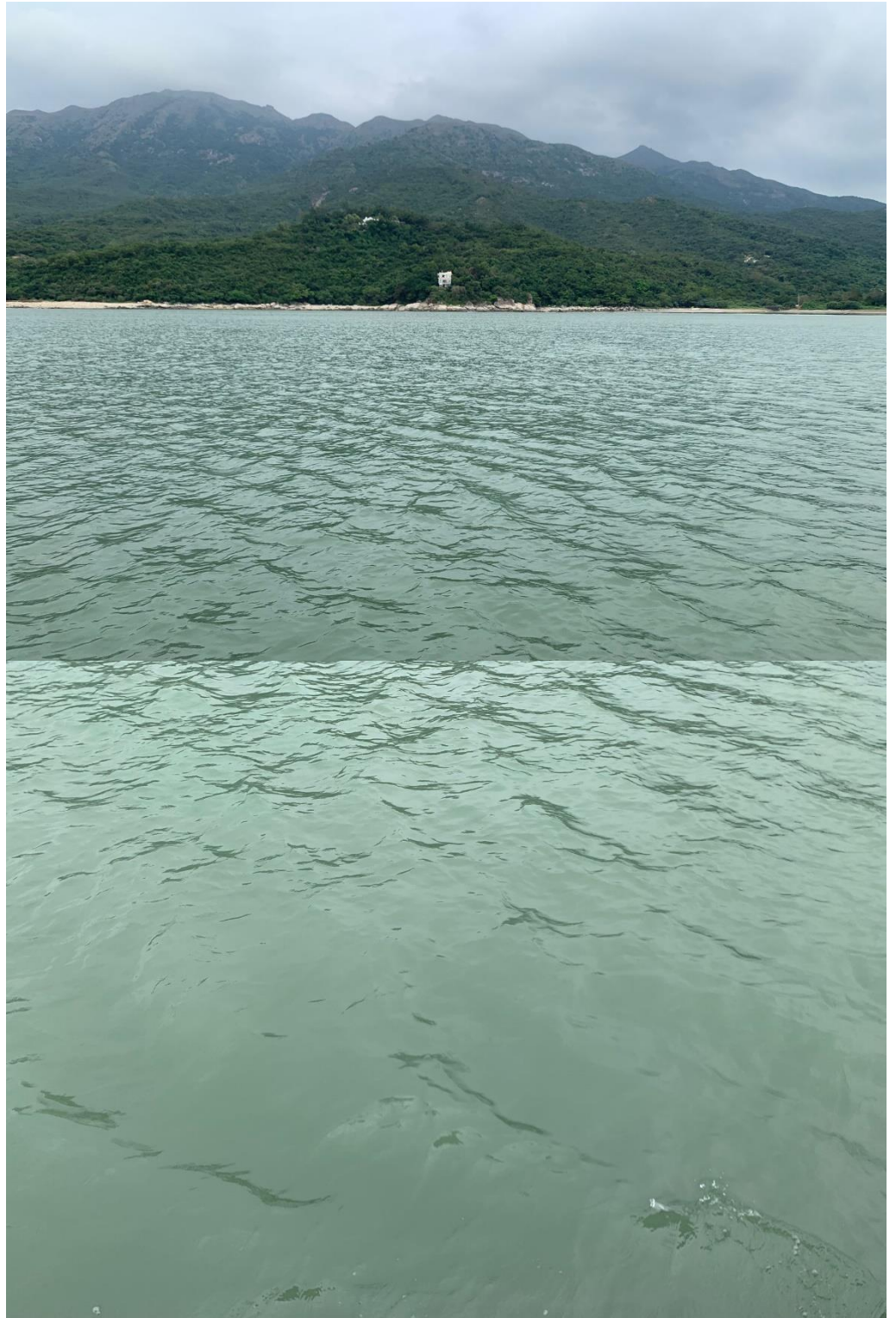
	<b>Legend</b>								
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0     →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5     →</td> <td style="padding: 5px;">2.5 and above  →</td> </tr> </tbody> </table>	Speed (knot)	Speed (knot)	0-0.5       →	1.5-2.0       →	0.5-1.0     →	2.0-2.5       →	1.0-1.5     →	2.5 and above  →
Speed (knot)	Speed (knot)								
0-0.5       →	1.5-2.0       →								
0.5-1.0     →	2.0-2.5       →								
1.0-1.5     →	2.5 and above  →								
	(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> )								
Prepared by	Joe Ho								
Date	8 Nov 2021								

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

Project	Integrated Waste Management Facilities, Phase 1		
Date	28 Oct 2021 (Lab result received on 4 Nov 2021)		
Time	08:00 – 08:45 (Mid-Ebb) 14:51 – 18:21 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	B1, B2, B3, 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
	9.5 mg/L (B1) 8.0 mg/L (B2) 11.3 mg/L (B3) 10.8 mg/L (B4)	6.5 mg/L (C1A) 6.0 mg/L (C2A)	5.3 mg/L (F1A) 7.2 mg/L (H1) 5.5 mg/L (M1) 5.5 mg/L (CR1) 7.0 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 28 Oct 2021 include laying of geotextile, landfilling works, installation of instrumentation, piling pre-drilling works, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile and existing caisson extension.</p> <p>Dominating 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 B2 and exceedances of limit level were found at B3 and B4.</p> <p>B1, B2, B3 and B4 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p>		

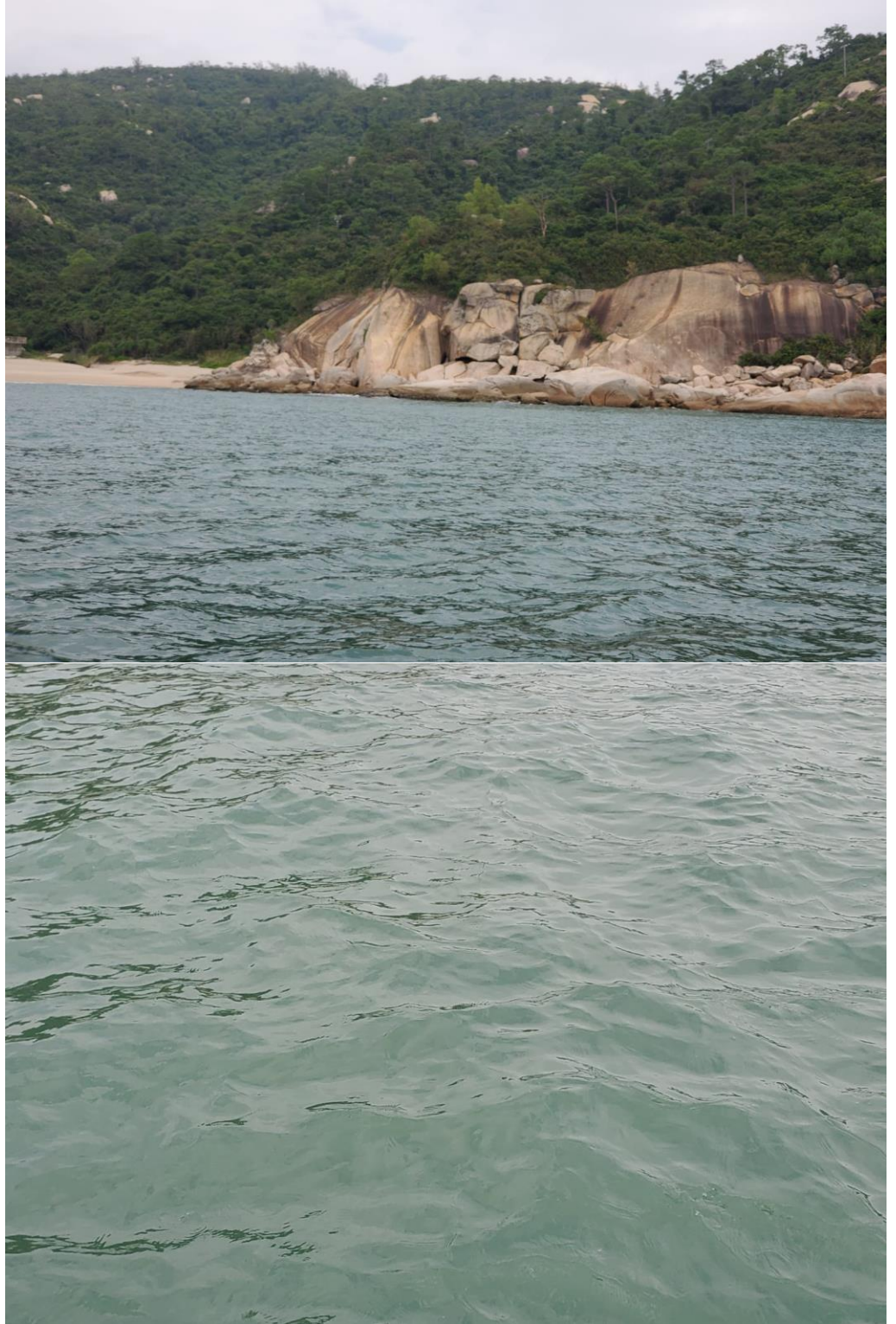
	<p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that could contribute to the increase of the suspended solids was recorded during the weekly inspection on 26 Oct 2021.</p> <p>After the investigation, the exceedances on 28 Oct 2021 at B1, B2, B3 and B4 are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B1:</p> 

B2:





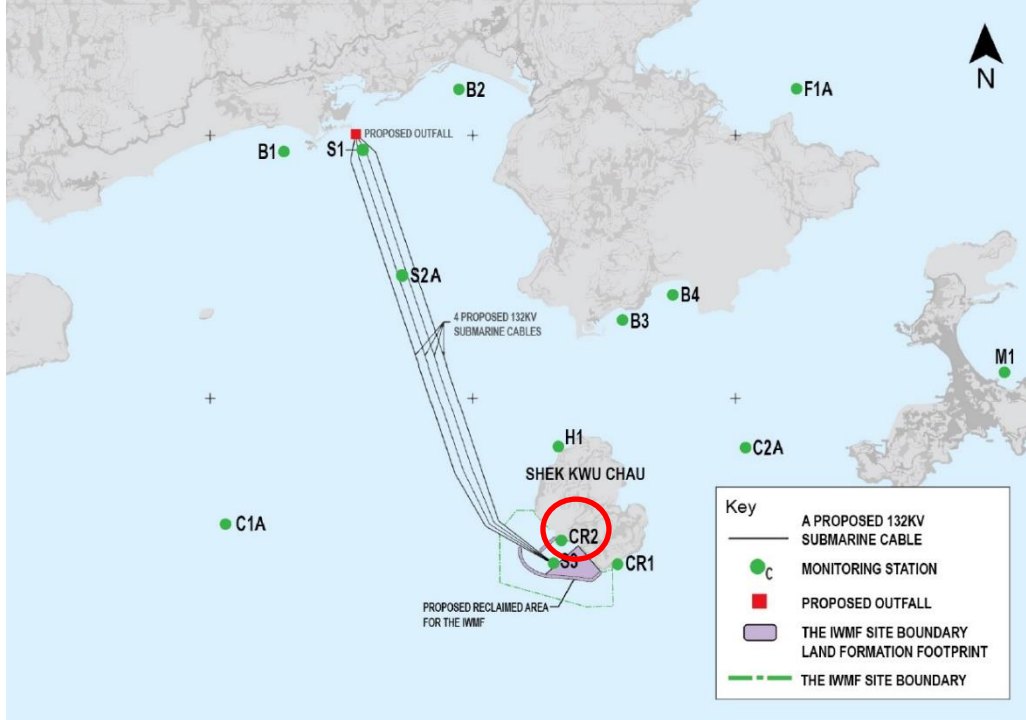
B3:




B4:



Mid-Flood

<p>Monitoring Location</p>	<p>CR2</p> 		
<p>Parameter</p>	<p>Suspended Solid (SS)</p>		
<p>Action &amp; Limit Levels</p>	<p>Action Level  <math>\geq 8.0</math> mg/L</p>		<p>Limit Level  <math>\geq 10.0</math> mg/L</p>
<p>Measurement Level</p>	<p>Impact Station(s) of Exceedance                  9.3 mg/L (CR2)</p>	<p>Control Stations                  7.2 mg/L (C1A)                  6.0 mg/L (C2A)</p>	<p>Impact Station(s) without Exceedance                  5.3 mg/L (B1)                  7.0 mg/L (B2)                  6.0 mg/L (B3)                  5.3 mg/L (B4)                  4.0 mg/L (F1A)                  5.7 mg/L (H1)                  7.2 mg/L (M1)                  7.8 mg/L (CR1)</p>
<p>Possible reason for Action or Limit Level Non-compliance</p>	<p>Works scheduled on site on 28 Oct 2021 include laying of geotextile, landfilling works, installation of instrumentation, pilling pre-drilling works, pilling works, pilling works for driven pile, piling works for pre-bored socketed H-pile and existing caisson extension.</p> <p>Dominating sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>Exceedance of action level was found at CR2 on 28 Oct 2021.</p> <p>CR2 is located close to the works location within the Project site while no marine work was conducted on 28 Oct 2021.</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</p>		

	<p>event.</p> <p>No major observation of improper site practices that could contribute to the increase of the suspended solids was recorded during the weekly inspection on 05 Oct 2021.</p> <p>After the investigation, the exceedances on 28 Oct 2021 at CR2 is deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>CR2:</p> 

Remarks

Current direction during mid-ebb sampling on 28 Oct 2021:




Current direction during mid-flood sampling on 28 Oct 2021:



	<b>Legend</b>																
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: center; padding: 5px;">→</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: center; padding: 5px;">→</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5</td> <td style="text-align: center; padding: 5px;"><span style="color: blue;">→</span></td> <td style="padding: 5px;">1.5-2.0</td> <td style="text-align: center; padding: 5px;"><span style="color: orange;">→</span></td> </tr> <tr> <td style="padding: 5px;">0.5-1.0</td> <td style="text-align: center; padding: 5px;"><span style="color: green;">→</span></td> <td style="padding: 5px;">2.0-2.5</td> <td style="text-align: center; padding: 5px;"><span style="color: purple;">→</span></td> </tr> <tr> <td style="padding: 5px;">1.0-1.5</td> <td style="text-align: center; padding: 5px;"><span style="color: yellow;">→</span></td> <td style="padding: 5px;">2.5 and above</td> <td style="text-align: center; padding: 5px;"><span style="color: red;">→</span></td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)</p>	Speed (knot)	→	Speed (knot)	→	0-0.5	<span style="color: blue;">→</span>	1.5-2.0	<span style="color: orange;">→</span>	0.5-1.0	<span style="color: green;">→</span>	2.0-2.5	<span style="color: purple;">→</span>	1.0-1.5	<span style="color: yellow;">→</span>	2.5 and above	<span style="color: red;">→</span>
Speed (knot)	→	Speed (knot)	→														
0-0.5	<span style="color: blue;">→</span>	1.5-2.0	<span style="color: orange;">→</span>														
0.5-1.0	<span style="color: green;">→</span>	2.0-2.5	<span style="color: purple;">→</span>														
1.0-1.5	<span style="color: yellow;">→</span>	2.5 and above	<span style="color: red;">→</span>														
Prepared by	Joe Ho																
Date	8 Nov 2021																

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

Project	Integrated Waste Management Facilities, Phase 1		
Date	30 Oct 2021 (Lab result received on 5 Nov 2021)		
Time	08:00 – 11:08 (Mid-Ebb)		
Monitoring Location	Mid-Ebb B4, F1A, CR1		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 9.2 mg/L (120% of C1A)		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	10.0 mg/L (B4) 10.7 mg/L (F1A) 10.3 mg/L (CR1)	7.7 mg/L (C1A) 10.0 mg/L (C2A)	6.3 mg/L (B1) 5.5 mg/L (B2) 4.8 mg/L (B3) 6.2 mg/L (H1) 8.7 mg/L (M1) 5.7 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 30 Oct 2021 include laying of geotextile, landfilling works, installation of instrumentation, piling pre-drilling works, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, existing caisson extension and armour scour protection.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of limit level were found at B4, F1A and CR1.</p> <p>B4 and F1A are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedances of these monitoring stations are deemed to be unrelated to the Project.</p>		

	<p>CR1 is located close to the works location within the Project site while no marine work was conducted on 30 Oct 2021.</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 could contribute to the increase of the suspended solids was recorded during the weekly inspection on 26 Oct 2021.</p> <p>After the investigation, the exceedances on 30 Oct 2021 at B4, F1A and CR1 are deemed to be unrelated to the Project.</p>
<p>Monitoring photos of stations with exceedance</p>	<p>B4:</p> 



F1A:

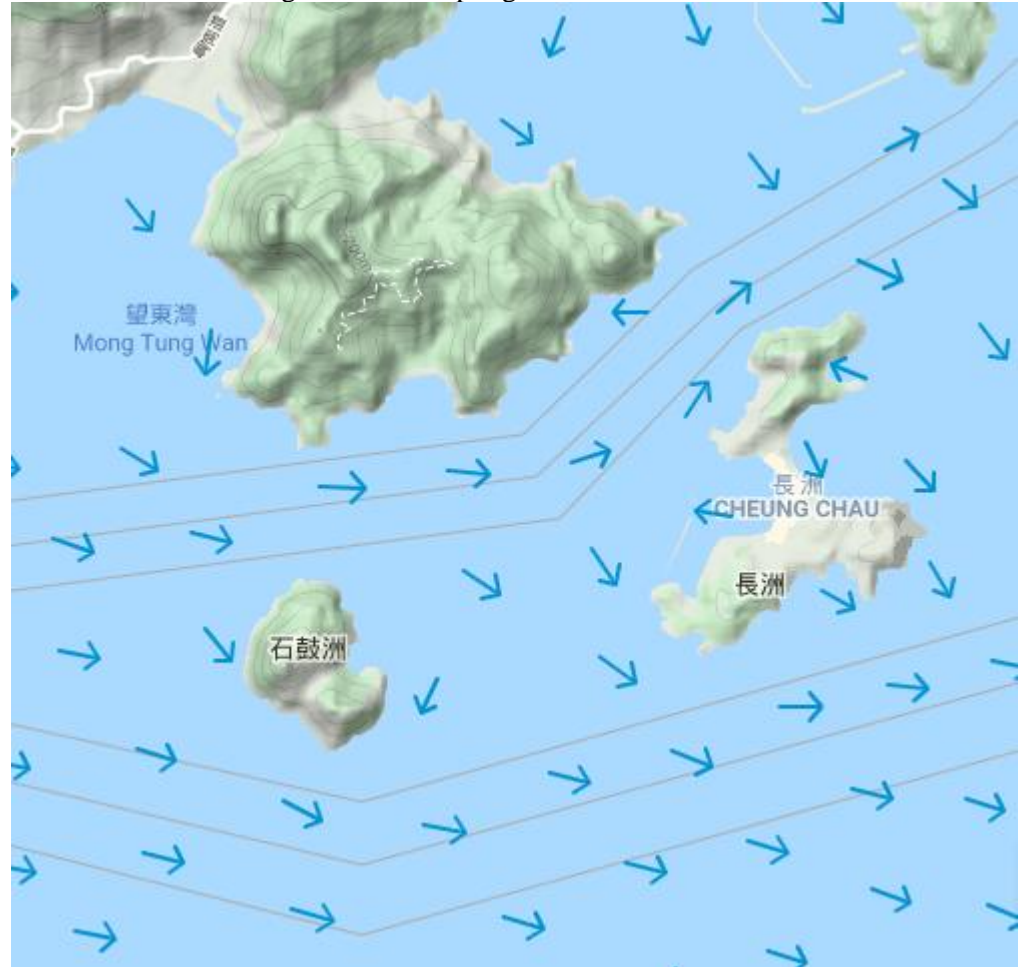


CR1:



Remarks

Current direction during mid-ebb sampling on 30 Oct 2021:



Legend			
Speed (knot)		Speed (knot)	
0-0.5	→	1.5-2.0	→
0.5-1.0	→	2.0-2.5	→
1.0-1.5	→	2.5 and above	→

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

Prepared by Joe Ho

Date 8 Nov 2021