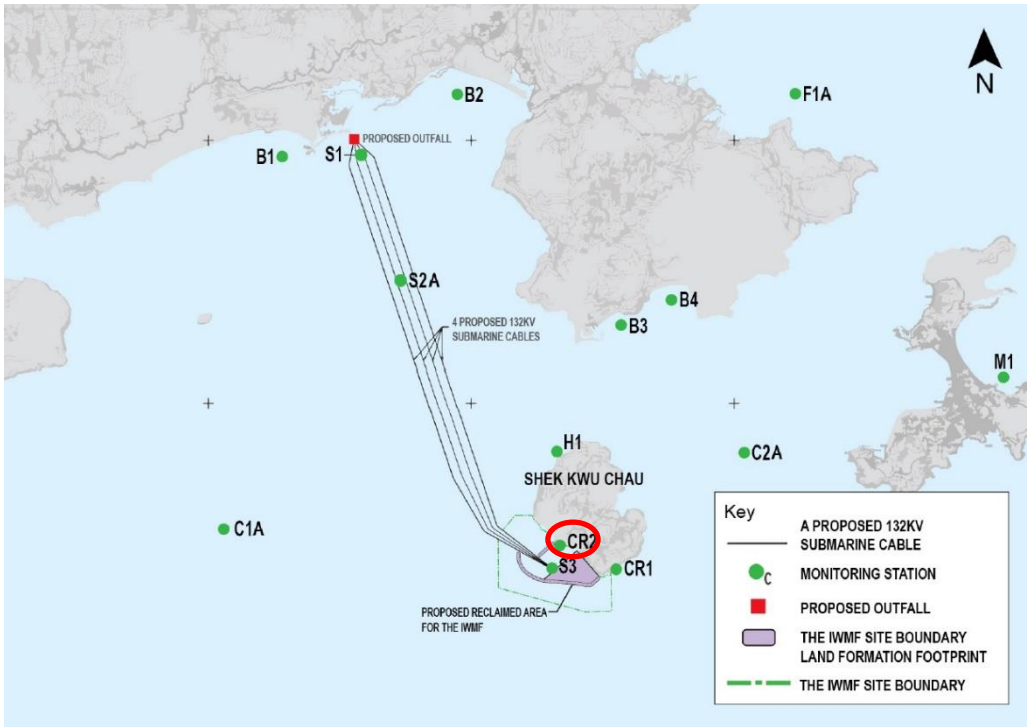
Appendix N Exceedance Report

Statistical Summary of Exceedances in the Reporting Period

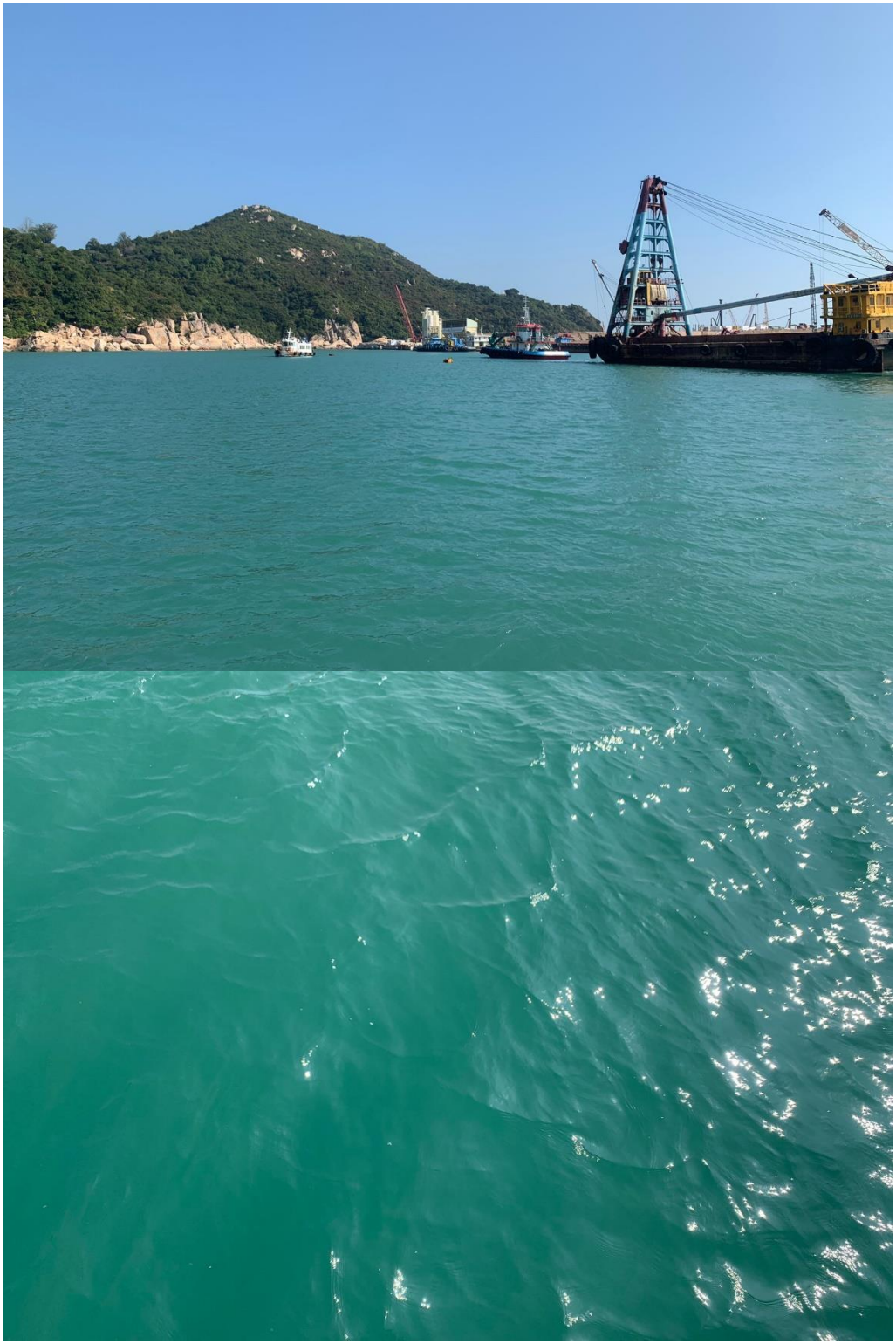
Water Quality (Regular Monitoring)			
Location	**Action Level**	**Limit Level**	**Total**
B1	0	0	0
B2	1	0	1
B3	3	3	6
B4	3	0	3
CR1	1	1	2
CR2	2	5	7
F1A	1	0	1
H1	1	0	1
S1	0	0	0
S2A	0	0	0
S3	0	0	0
M1	0	0	0

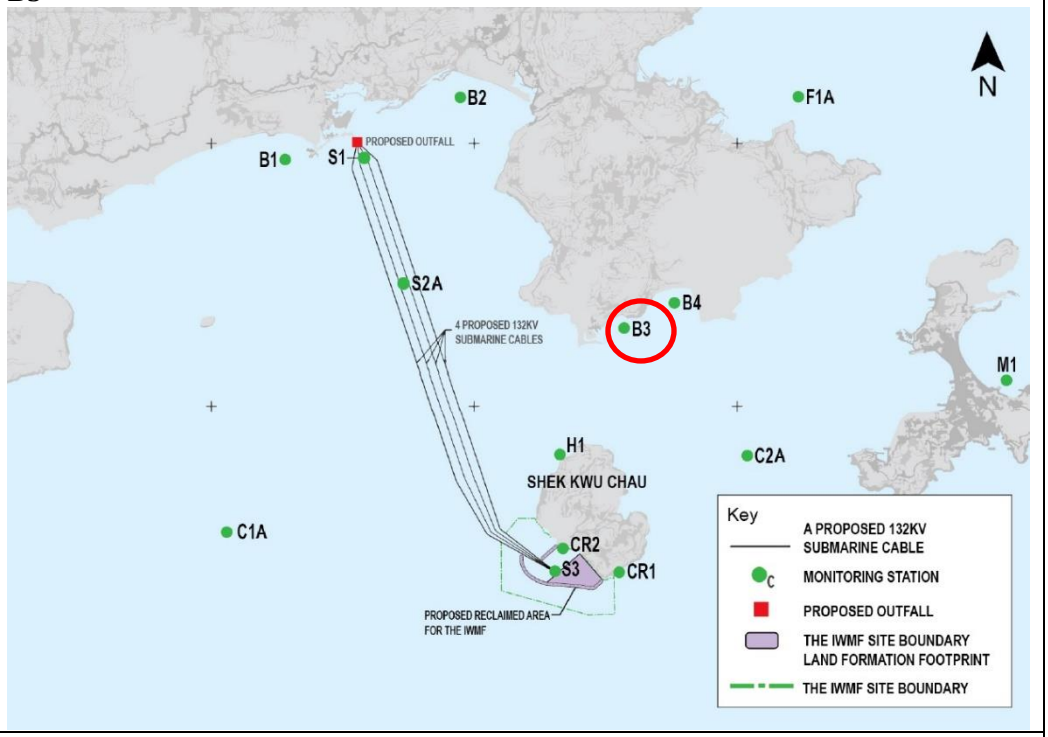
Noise (Day Time)			
Location	**Action Level**	**Limit Level**	**Total**
M1	0	0	0
M2	0	0	0
M3	0	0	0
Noise (Evening Time)			
Location	**Action Level**	**Limit Level**	**Total**
M1	0	0	0
M2	0	0	0
M3	0	0	0
Noise (Night Time)			
Location	**Action Level**	**Limit Level**	**Total**
M1	0	0	0
M2	0	0	0
M3	0	0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

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	03 Jan 2022 (Lab result received on 08 Jan 2022)		
Time	11:25 – 14:55 (Mid-Ebb) 08:00 – 10:59 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	CR2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit Level	
	≥ 9.8 mg/L (120% of C1A)	≥ 10.7 mg/L (130% of C1A)	
Measurement Level	Impact Station(s) of Exceedance	Measurement Level	Impact Station(s) without Exceedance
	13.7 mg/L (CR2)	8.2 mg/L (C1A) 9.7 mg/L (C2A)	6.0 mg/L (B1) 6.0 mg/L (B2) 6.8 mg/L (B3) 7.0 mg/L (B4) 7.2 mg/L (H1) 7.7 mg/L (M1) 5.7 mg/L (F1A) 8.0 mg/L (CR1)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 03 Jan 2022 include levelling of scour apron on Breakwater B CH60 - CH180, levelling of 100kg - 150kg underlayer rock at Breakwater B CH0 - CH40, leveling of underlayer rock at Breakwater A CH960 - CH1000, installation of blockwork for marine access facility, 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 and existing caisson extension and armour scour protection. Dominant sea current direction was found to be from Northeast to Southwest at waters around Shek Kwu Chau.		

	An exceedance of limit level was found at CR2. CR2 is located close to the works location within the Project site while no marine work was conducted on 03 Jan 2022. The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 04 Jan 2022. After the investigation, the exceedance on 03 Jan 2022 at CR2 is deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance	CR2: 

<table>
<tr><td colspan="4">Mid-Flood</td></tr>
<tr><td>Monitoring Location</td><td colspan="3">B3
 
</td></tr>
<tr><td>Parameter</td><td colspan="3">Suspended Solid (SS)</td></tr>
<tr><td rowspan="2">Action & Limit Levels</td><td>Action Level</td><td colspan="2">Limit Level</td></tr>
<tr><td>≥ 8.6 mg/L (120% of C2A)</td><td colspan="2">≥ 10.0 mg/L</td></tr>
<tr><td rowspan="2">Measurement Level</td><td>Impact Station(s) of Exceedance</td><td>Control Stations</td><td>Impact Station(s) without Exceedance</td></tr>
<tr><td>9.0 mg/L (B3)</td><td>7.8 mg/L (C1A)
7.2 mg/L (C2A)</td><td>6.3 mg/L (B1)
7.8 mg/L (B2)
4.8 mg/L (B4)
8.2 mg/L (F1A)
6.5 mg/L (H1)
6.7 mg/L (M1)
6.0 mg/L (CR1)
8.2 mg/L (CR2)</td></tr>
<tr><td>Possible reason for Action or Limit Level Non-compliance</td><td colspan="3">Works scheduled on site on 03 Jan 2022 include levelling of scour apron on Breakwater B CH60 - CH180, levelling of 100kg - 150kg underlayer rock at Breakwater B CH0 - CH40, leveling of underlayer rock at Breakwater A CH960 - CH1000, installation of blockwork for marine access facility, 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 and existing caisson extension and armour scour protection.

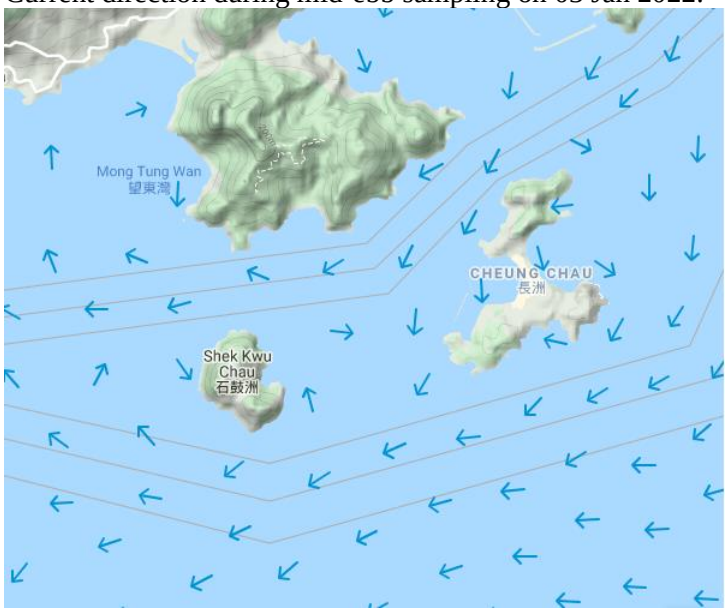
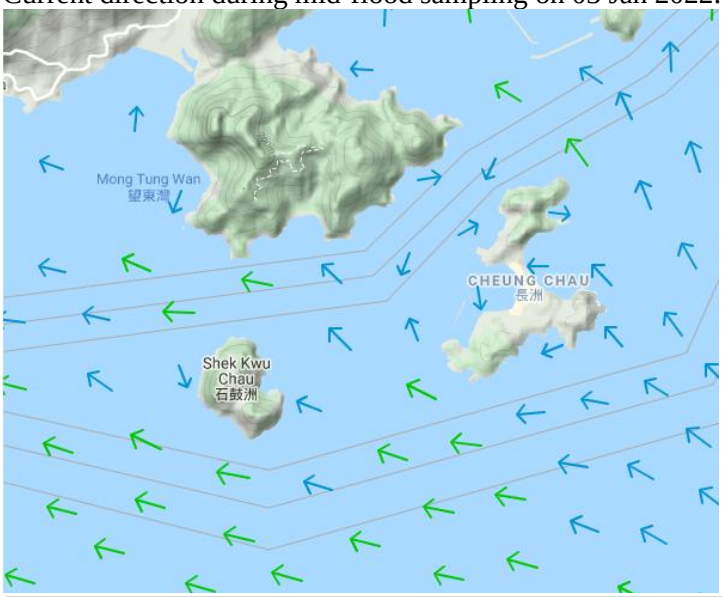
Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.

An exceedance of action level was found at B3.

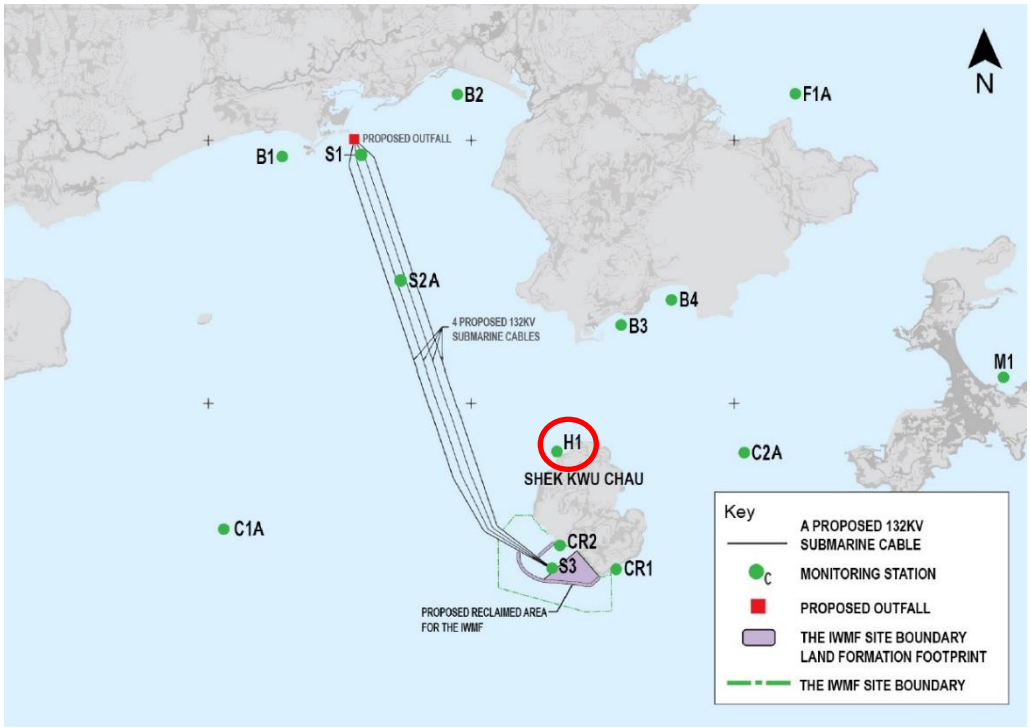
B3 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. The exceedance at this monitoring station is deemed to be unrelated to the Project.</td></tr>
</table>

	The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 04 Jan 2022. After the investigation, the exceedance on 03 Jan 2022 at B3 is deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance	B3:  

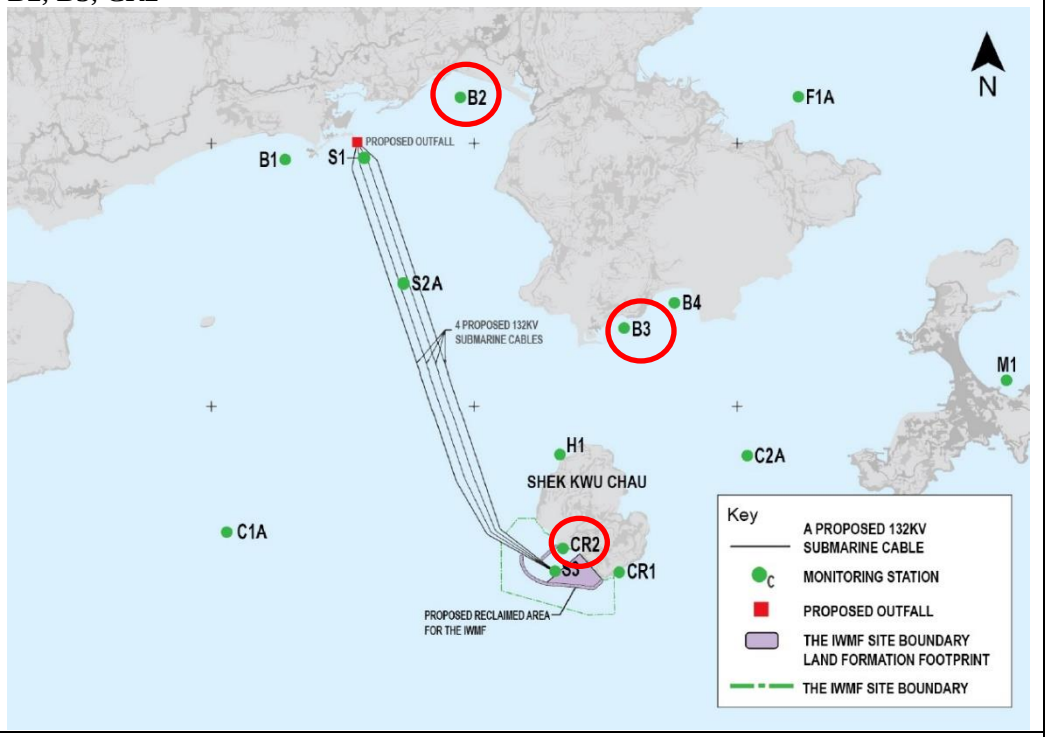
Remarks	Current direction during mid-ebb sampling on 03 Jan 2022:  Current direction during mid-flood sampling on 03 Jan 2022:   (Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Jack Chow
Date	18 Jan 2022

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	05 Jan 2022 (Lab result received on 11 Jan 2022)		
Time	12:55 – 16:10 (Mid-Ebb) 08:00 – 11:15 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	H1 		
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	Measurement Level	Impact Station(s) without Exceedance
	8.3 mg/L (H1)	5.0 mg/L (C1A) 3.7 mg/L (C2A)	6.3 mg/L (B1) 5.0 mg/L (B2) 6.0 mg/L (B3) 5.3 mg/L (B4) 5.5 mg/L (M1) 4.2 mg/L (F1A) 7.7 mg/L (CR1) 6.7 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 05 Jan 2022 include levelling of 100kg - 150kg underlayer rock at Breakwater B (CH60 - CH150; CH100 - CH180), leveling of underlayer rock at Breakwater A CH980 - CH1020, installation of blockwork for marine access facility, landfilling works for below +6.00mPD, 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 and armour scour protection. Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau. An exceedance of Action level was found at H1.		

	H1 is located at unrelated stream direction (neither upstream nor downstream) to the works location. The exceedance is deemed to be unrelated to the Project. The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 04 and 11 Jan 2022. After the investigation, the exceedance on 05 Jan 2022 at H1 is deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance	H1: 

<table>
<tr><td colspan="4">Mid-Flood</td></tr>
<tr><td>Monitoring Location</td><td colspan="3">B2, B3, CR2
 
</td></tr>
<tr><td>Parameter</td><td colspan="3">Suspended Solid (SS)</td></tr>
<tr><td rowspan="2">Action & Limit Levels</td><td>Action Level</td><td colspan="2">Limit Level</td></tr>
<tr><td>≥ 9.6 mg/L (120% of C2A)</td><td colspan="2">≥ 10.4 mg/L (130% of C2A)</td></tr>
<tr><td rowspan="2">Measurement Level</td><td>Impact Station(s) of Exceedance</td><td>Control Stations</td><td>Impact Station(s) without Exceedance</td></tr>
<tr><td>9.8 mg/L (B2)
11.5 mg/L (B3)
10.5 mg/L (CR2)</td><td>6.7 mg/L (C1A)
8.0 mg/L (C2A)</td><td>4.8 mg/L (B1)
7.3 mg/L (B4)
7.5 mg/L (F1A)
6.3 mg/L (H1)
5.8 mg/L (M1)
6.0 mg/L (CR1)</td></tr>
<tr><td>Possible reason for Action or Limit Level Non-compliance</td><td colspan="3">Works scheduled on site on 05 Jan 2022 include levelling of 100kg - 150kg underlayer rock at Breakwater B (CH60 - CH150; CH100 - CH180), leveling of underlayer rock at Breakwater A CH980 - CH1020, installation of blockwork for marine access facility, landfilling works for below +6.00mPD, 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 and armour scour protection.

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

An exceedance of action level was found at B2 and exceedances of limit level were found at B3 and CR2.

B2 and B3 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. The exceedance at this monitoring station is deemed to be unrelated to the Project.

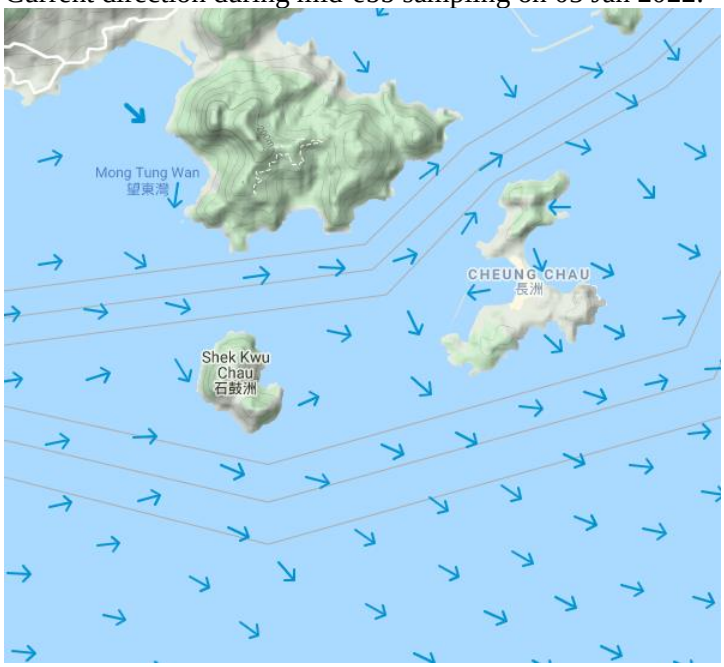
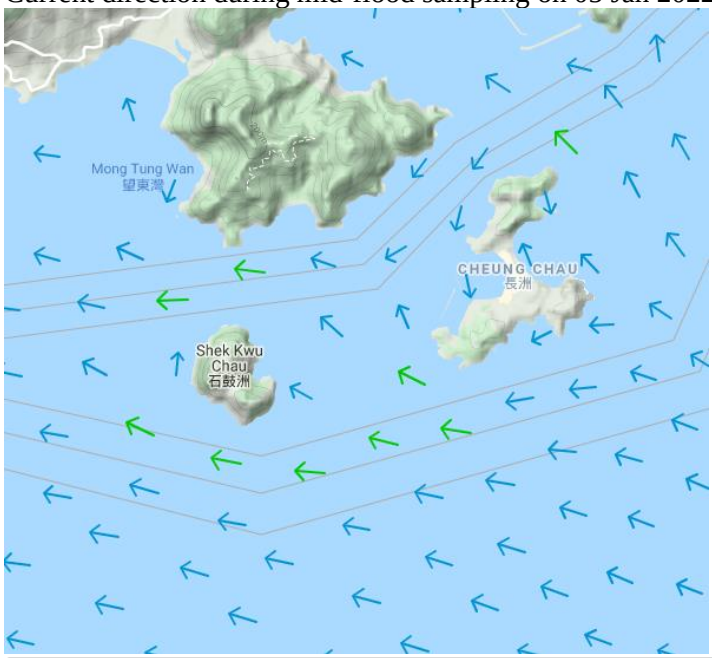
CR2 is located close to the works location within the Project site while no marine work was conducted on 05 Jan 2022.</td></tr>
</table>

	The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 04 and 11 Jan 2022. After the investigation, the exceedance on 05 Jan 2022 at B2, B3 and CR2 are deemed to be unrelated to the Project.

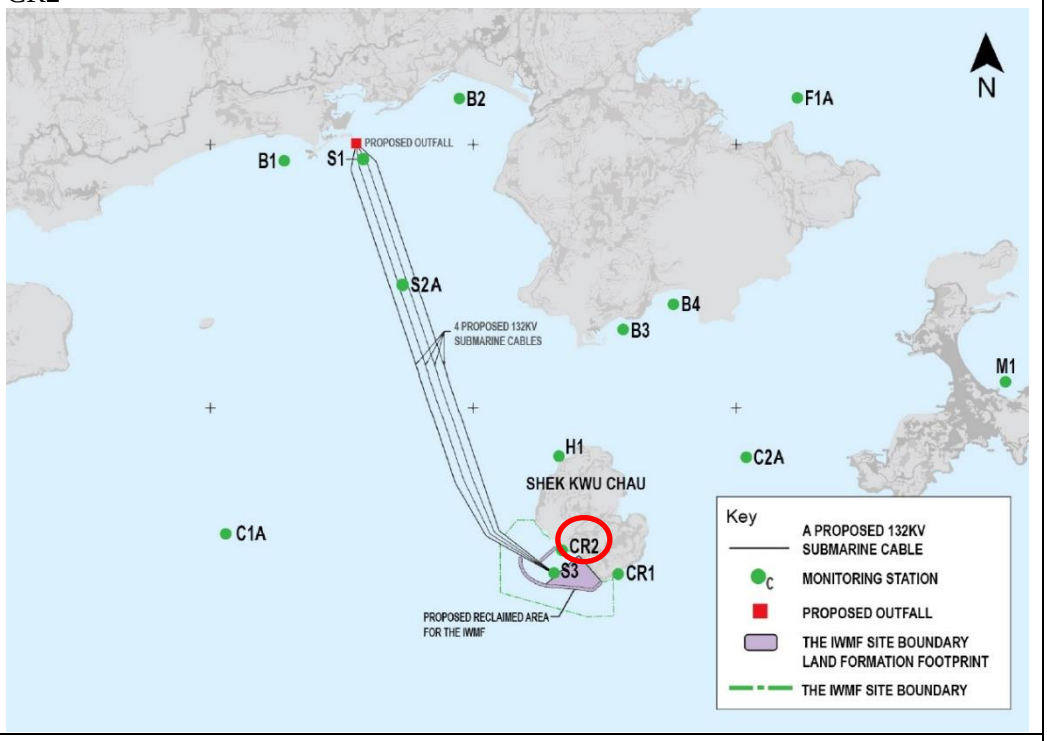
Monitoring photos of stations with exceedance	B2: 

B3:

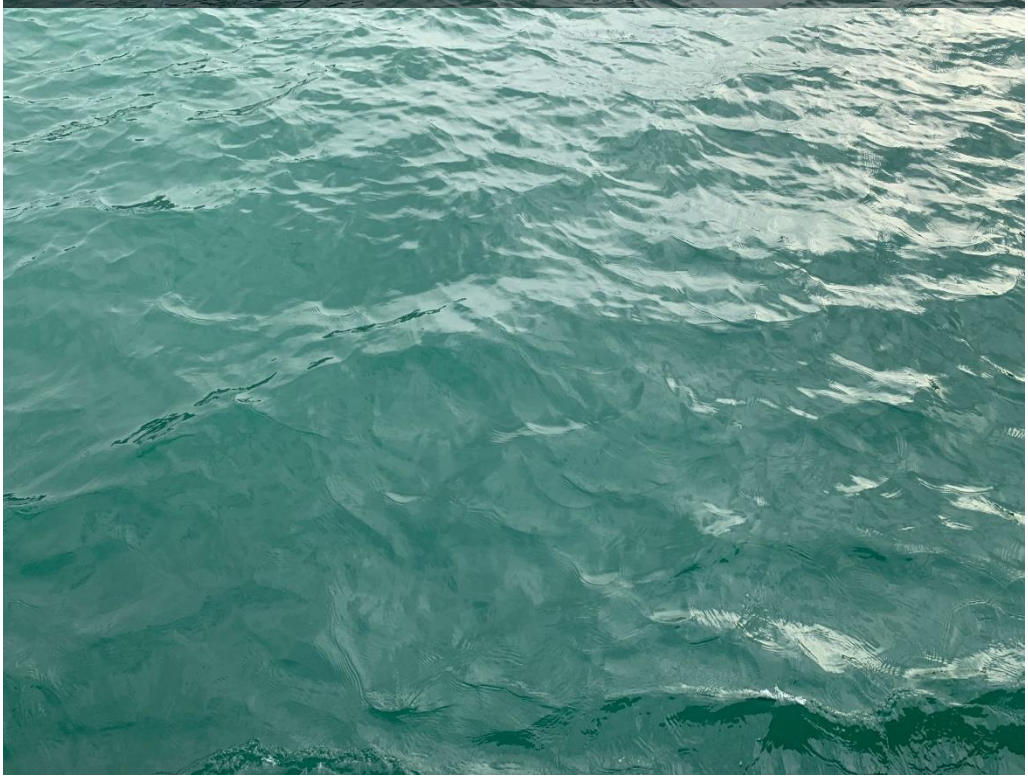
CR2:

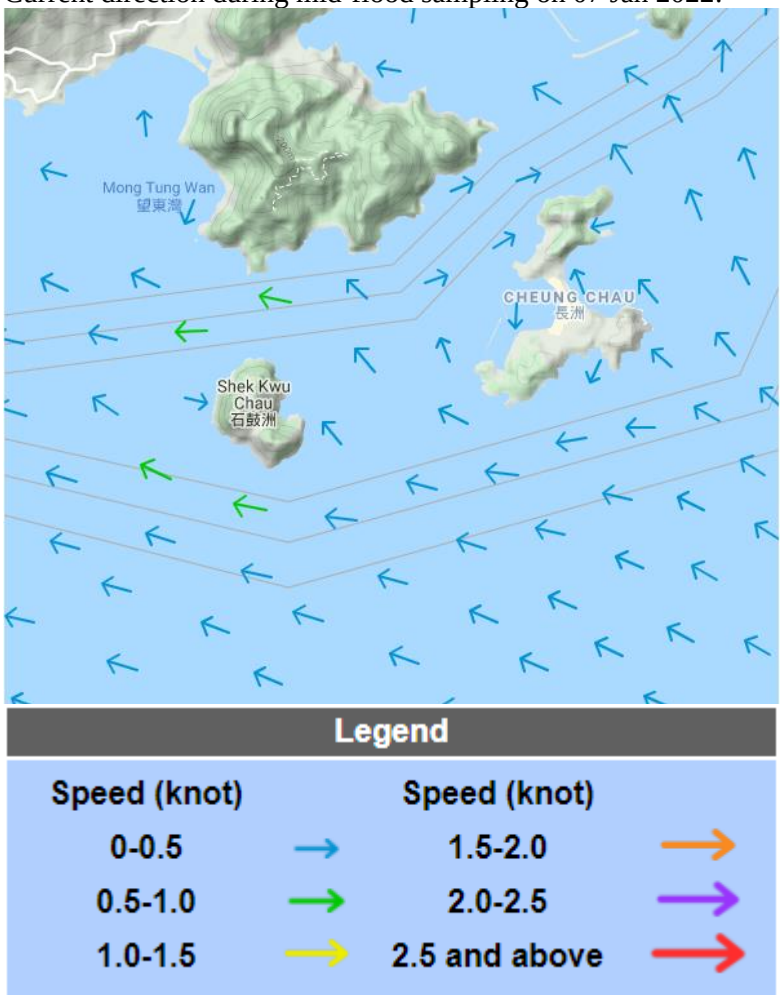
Remarks	Current direction during mid-ebb sampling on 05 Jan 2022:  Current direction during mid-flood sampling on 05 Jan 2022:   (Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Jack Chow
Date	18 Jan 2022

Incident Report on Action Level or Limit Level Non-compliance

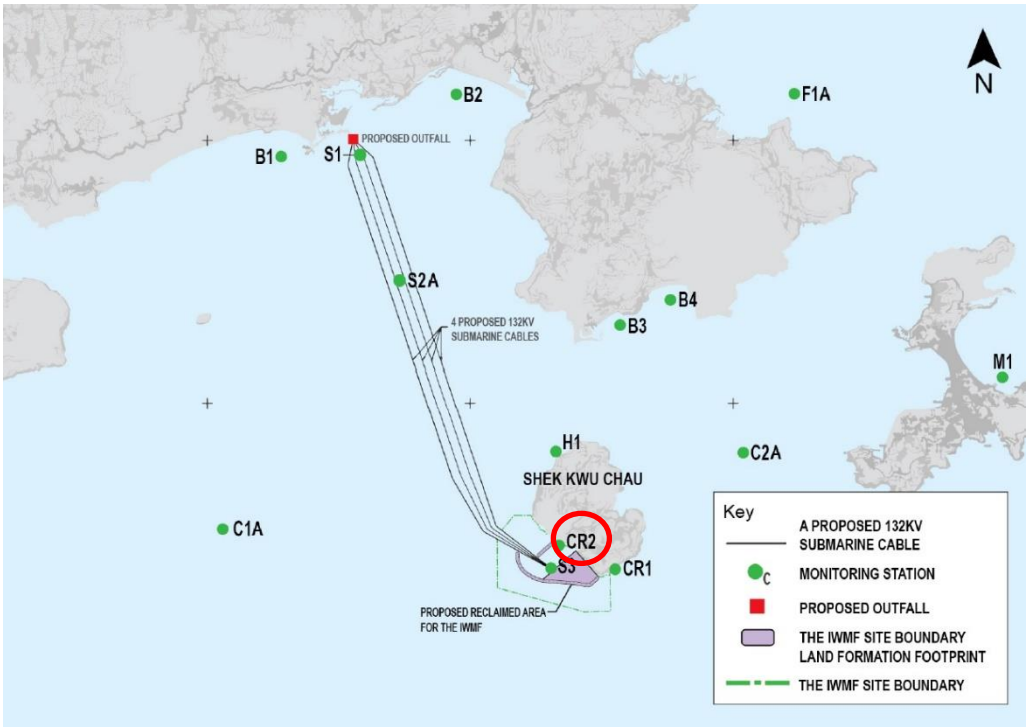
Project	Integrated Waste Management Facilities, Phase 1		
Date	07 Jan 2022 (Lab result received on 13 Jan 2022)		
Time	09:03 – 12:33 (Mid-Flood)		
Mid-Flood			
Monitoring Location	CR2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit Level	
	≥ 8.0 mg/L	≥ 10.0 mg/L	
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	8.3 mg/L (CR2)	6.8 mg/L (C1A) 5.0 mg/L (C2A)	5.0 mg/L (B1) 5.3 mg/L (B2) 5.5 mg/L (B3) 5.5 mg/L (B4) 5.8 mg/L (H1) 4.7 mg/L (M1) 4.3 mg/L (F1A) 7.8 mg/L (CR1)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 07 Jan 2022 include levelling of 100kg - 150kg underlayer rock at Breakwater B CH60 - CH100, leveling of underlayer rock at Breakwater A CH950 - CH1100, 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 and existing caisson extension and armour scour protection. Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau. An exceedance of action level was found at CR2.		

	The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. CR2 is located close to the works location within the Project site while no marine work was conducted on 7 Jan 2022. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 04 and 11 Jan 2022. After the investigation, the exceedance on 07 Jan 2022 at CR2 is deemed to be unrelated to the Project.

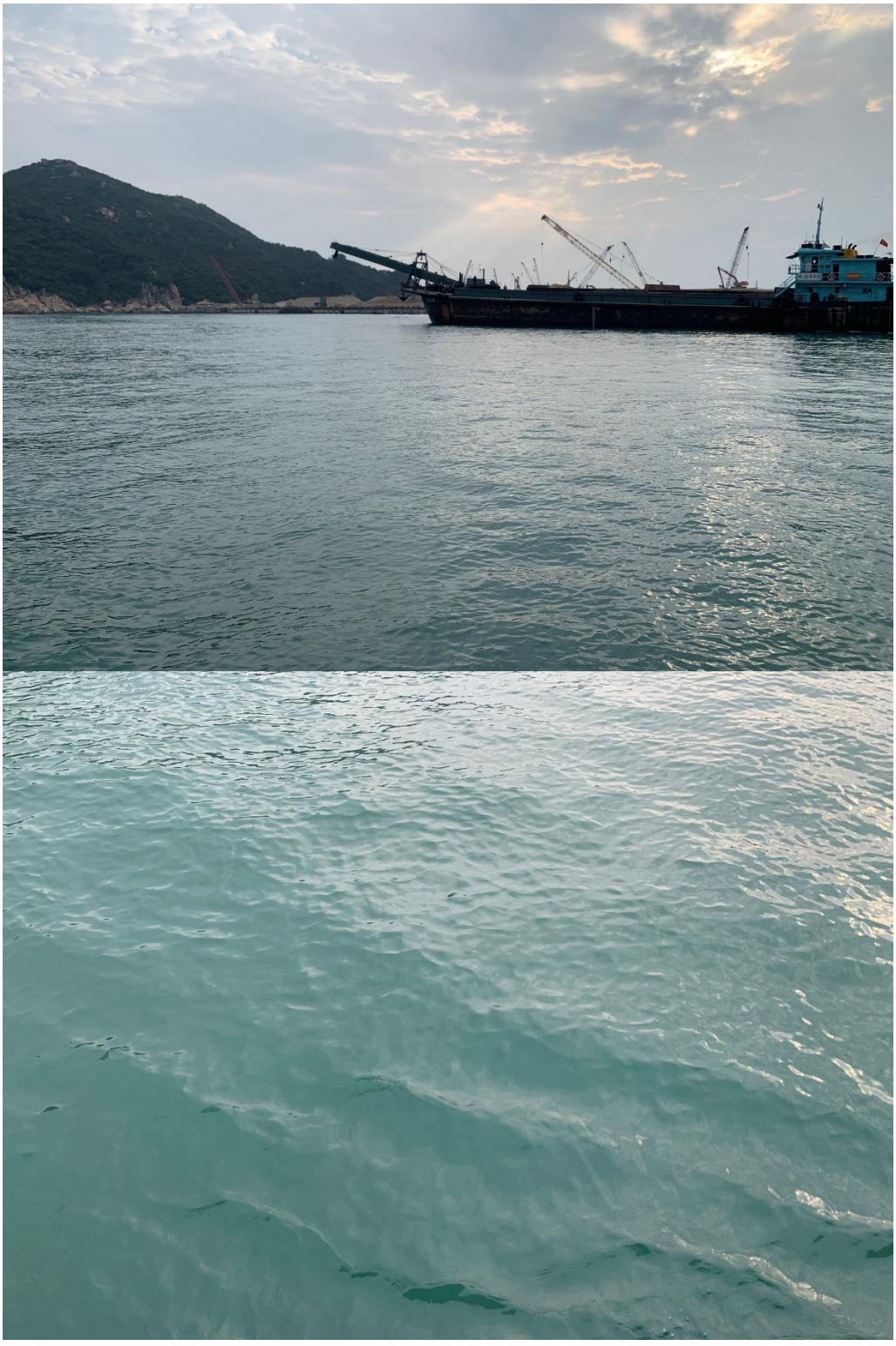
Monitoring photos of stations with exceedance	CR2:  

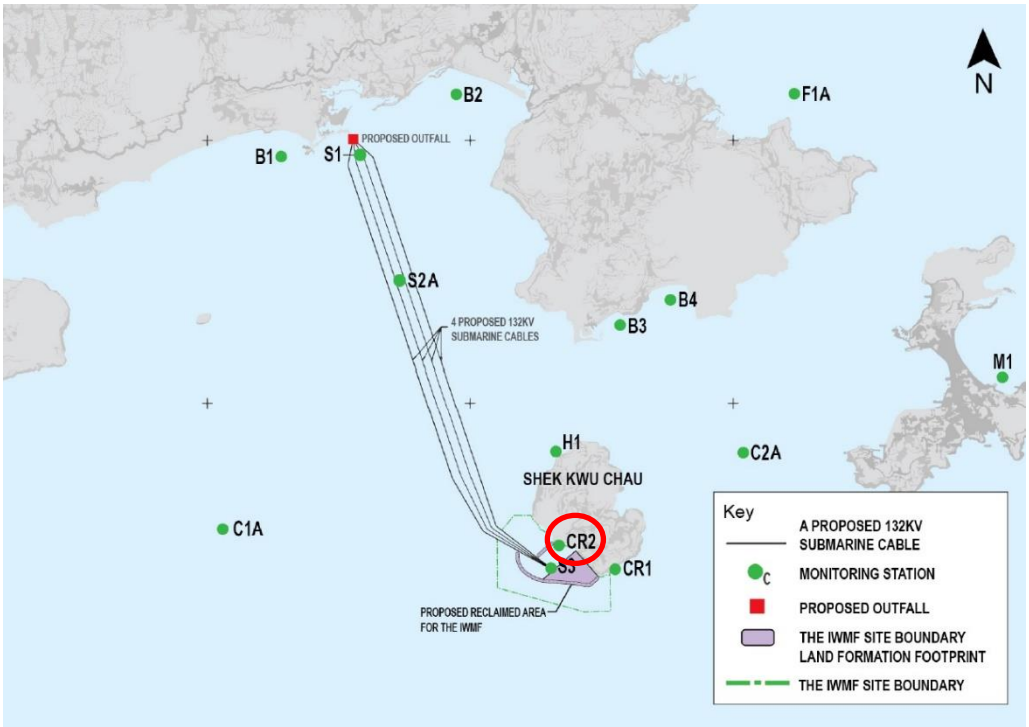
Remarks	Current direction during mid-flood sampling on 07 Jan 2022:  (Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Jack Chow
Date	18 Jan 2022

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	10 Jan 2022 (Lab result received on 14 Jan 2022)		
Time	08:00 – 08:39 (Mid-Ebb) 11:15 – 14:45 (Mid-Flood)		
Mid-Ebb			
Monitoring Location	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	Measurement Level	Impact Station(s) without Exceedance
	10.8 mg/L (CR2)	6.5 mg/L (C1A) 6.5 mg/L (C2A)	7.0 mg/L (B1) 5.5 mg/L (B2) 5.8 mg/L (B3) 5.0 mg/L (B4) 4.7 mg/L (M1) 5.2 mg/L (F1A) 5.2 mg/L (H1) 3.6 mg/L (CR1)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 10 Jan 2022 include leveling of 100kg - 150kg underlayer rock at Breakwater B CH200 - CH300, leveling of underlayer rock at Breakwater A CH720 - CH780, leveling of underlayer rock at Breakwater A CH1070 - CH1120, infilling of caisson, 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 and existing caisson extension and armour scour protection. Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau. An exceedance of limit level was found at CR2.		

	The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. CR2 is located close to the works location within the Project site while no marine work was conducted on 10 Jan 2022. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 11 Jan 2022. After the investigation, the exceedance on 10 Jan 2022 at CR2 is deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance	CR2: 

<table>
<tr><td colspan="4">Mid-Flood</td></tr>
<tr><td>Monitoring Location</td><td colspan="3">CR2
 
</td></tr>
<tr><td>Parameter</td><td colspan="3">Suspended Solid (SS)</td></tr>
<tr><td rowspan="2">Action & Limit Levels</td><td>Action Level</td><td colspan="2">Limit Level</td></tr>
<tr><td>≥ 8.0 mg/L</td><td colspan="2">≥ 10.0 mg/L</td></tr>
<tr><td rowspan="2">Measurement Level</td><td>Impact Station(s) of Exceedance</td><td>Control Stations</td><td>Impact Station(s) without Exceedance</td></tr>
<tr><td>10.2 mg/L (CR2)</td><td>4.7 mg/L (C1A)
5.0 mg/L (C2A)</td><td>5.0 mg/L (B1)
4.0 mg/L (B2)
3.3 mg/L (B3)
7.0 mg/L (B4)
6.3 mg/L (F1A)
3.7 mg/L (H1)
7.3 mg/L (M1)
6.3 mg/L (CR1)</td></tr>
<tr><td>Possible reason for Action or Limit Level Non-compliance</td><td colspan="3">Works scheduled on site on 10 Jan 2022 include leveling of 100kg - 150kg underlayer rock at Breakwater B CH200 - CH300, leveling of underlayer rock at Breakwater A CH720 - CH780, leveling of underlayer rock at Breakwater A CH1070 - CH1120, 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 and existing caisson extension and armour scour protection.

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

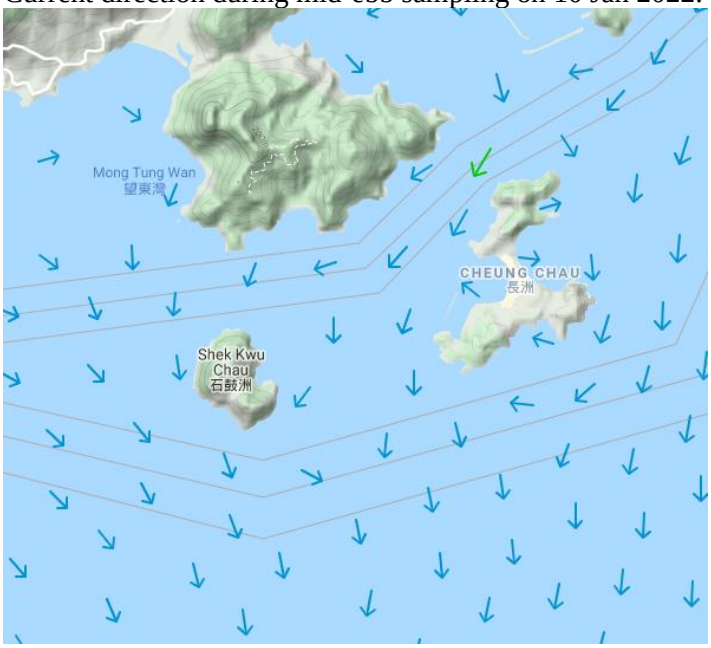
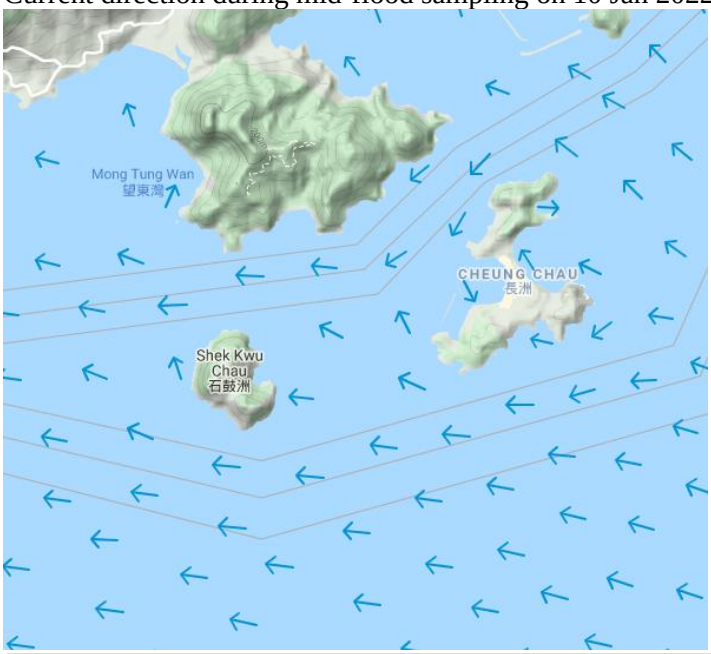
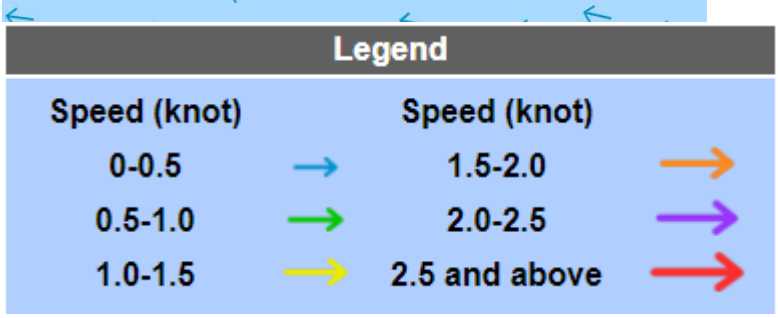
An exceedance of limit level was found at CR2.

The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.

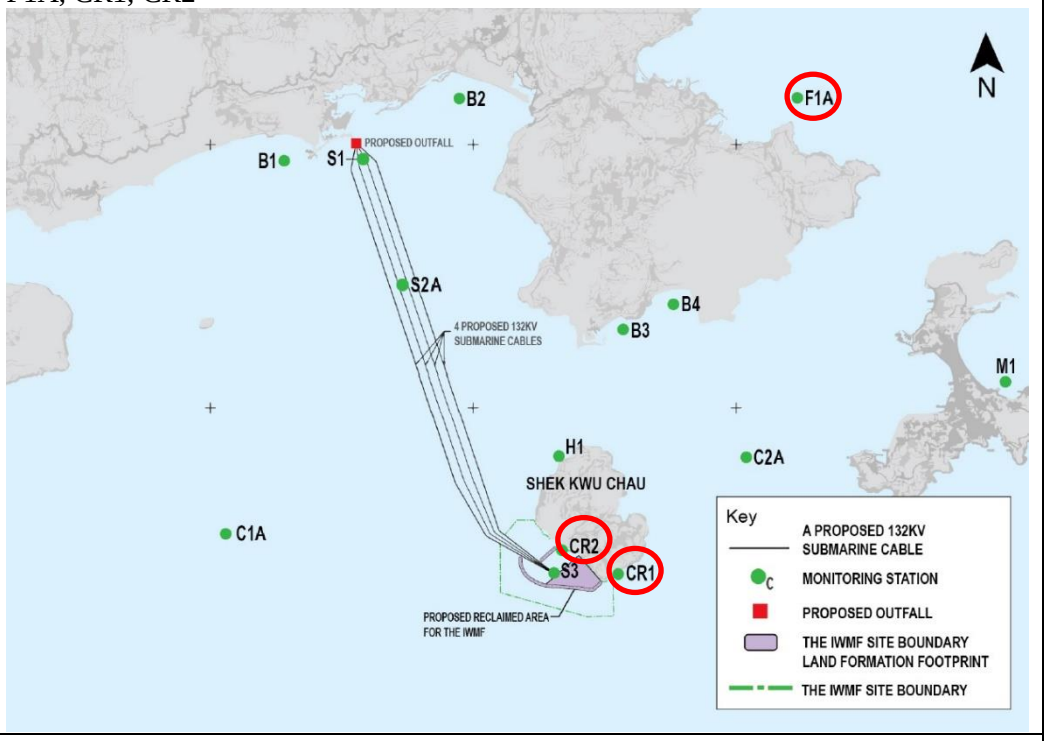
CR2 is located close to the works location within the Project site while no marine work was conducted on 10 Jan 2022.</td></tr>
</table>

	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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 11 Jan 2022. After the investigation, the exceedance on 10 Jan 2022 at CR2 is deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance	CR2: 

Remarks	Current direction during mid-ebb sampling on 10 Jan 2022:  Current direction during mid-flood sampling on 10 Jan 2022:   (Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Jack Chow
Date	19 Jan 2022

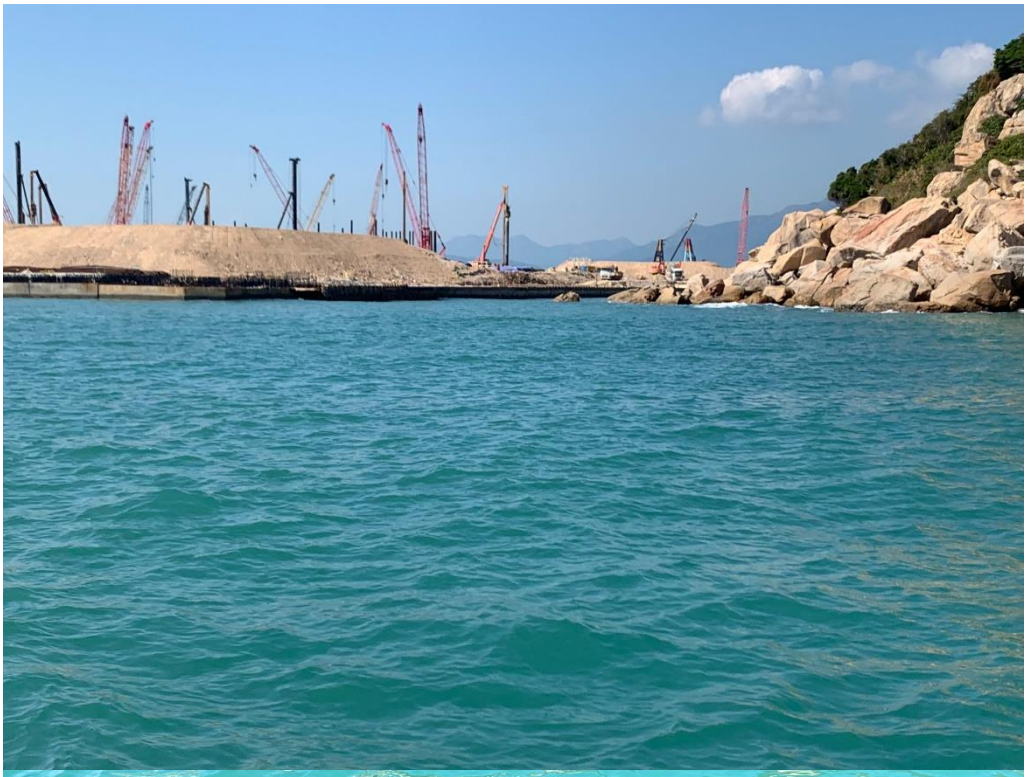
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	19 Jan 2022 (Lab result received on 25 Jan 2022)		
Time	11:35 – 15:05 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	F1A, 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
	8.2 mg/L (F1A) 9.3 mg/L (CR1) 10.0 mg/L (CR2)	6.0 mg/L (C1A) 10.3 mg/L (C2A)	5.8 mg/L (B1) 7.0 mg/L (B2) 6.5 mg/L (B3) 6.8 mg/L (B4) 7.0 mg/L (H1) 5.8 mg/L (M1)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 19 Jan 2022 include diving works for levelling CLP cable trough unit foundation at Seawall B CH455 - CH466, diving works for installation of CLP cable trough unit at Seawall B CH455 - CH466, leveling of underlayer rock at Breakwater A CH720 - CH780, diving works for laying geotextile at Breakwater B CH0 - CH50, unloading ballast fill at Caisson No. 66 & 71, installation of block work at marine access facility, infilling of caisson, landfilling works for below +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. 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 F1A and CR1 and an exceedance of limit level was found at CR2.		

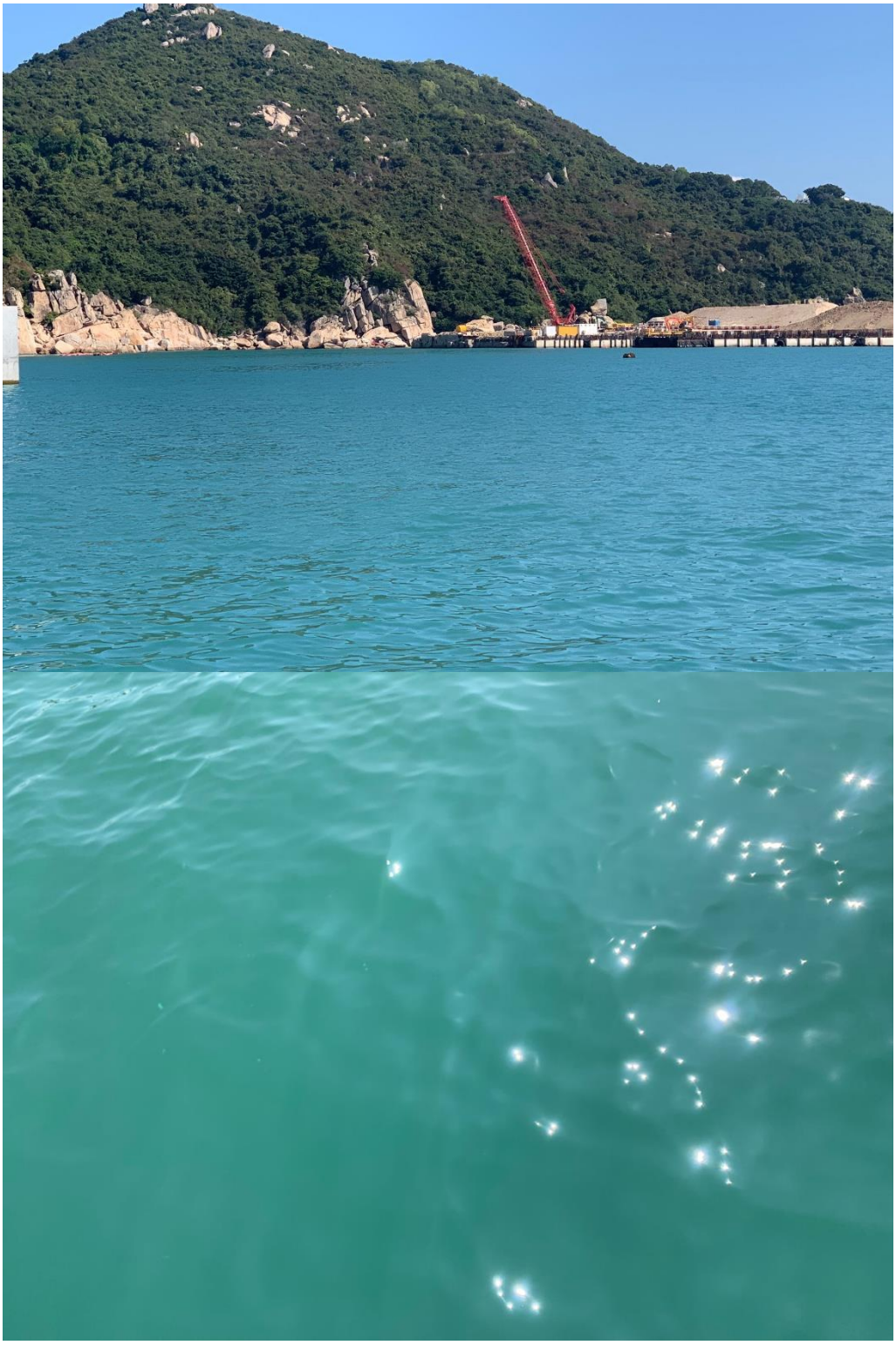
	F1A is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. The exceedance at this monitoring station is deemed to be unrelated to the Project. The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. CR1 and CR2 are located close to the works location within the Project site while no marine work was conducted on 19 Jan 2022. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 18 and 25 Jan 2022. After the investigation, the exceedances on 19 Jan 2022 at F1A, CR1 and CR2 are deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance	F1A: 

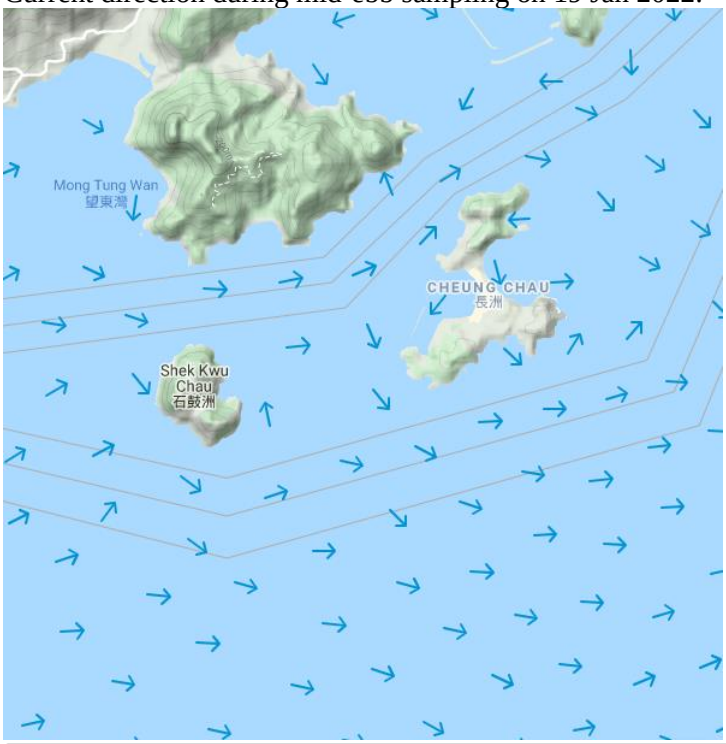
CR1:



CR2:



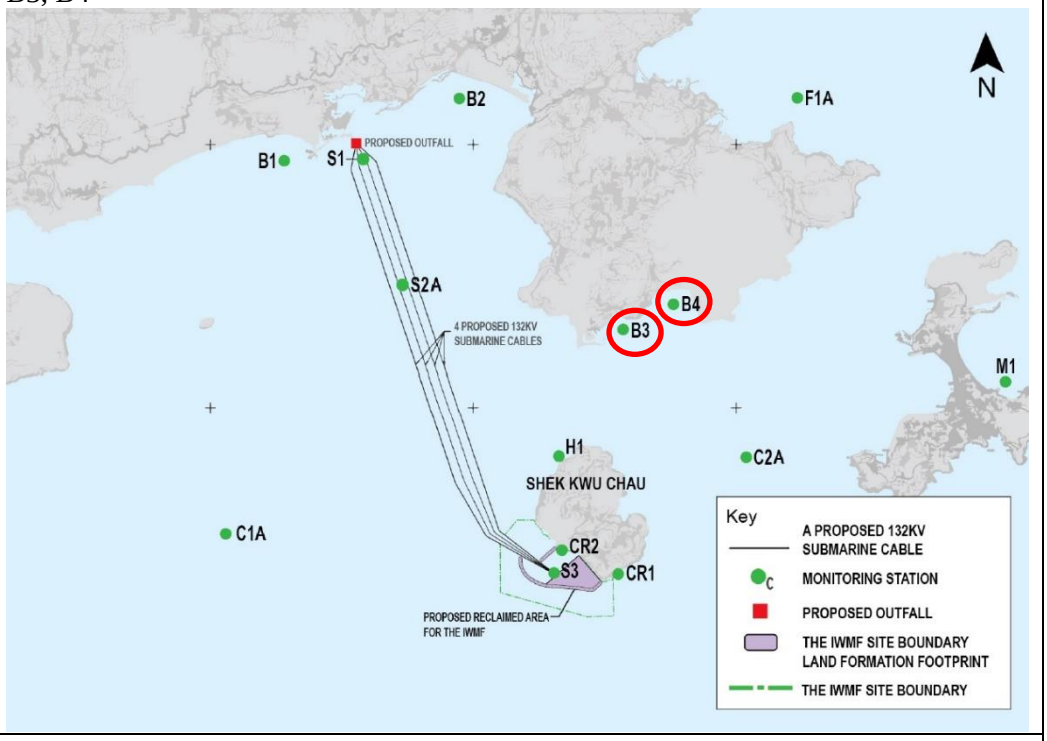
Remarks	Current direction during mid-ebb sampling on 19 Jan 2022:



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

Prepared by	Jack Chow
Date	28 Jan 2022

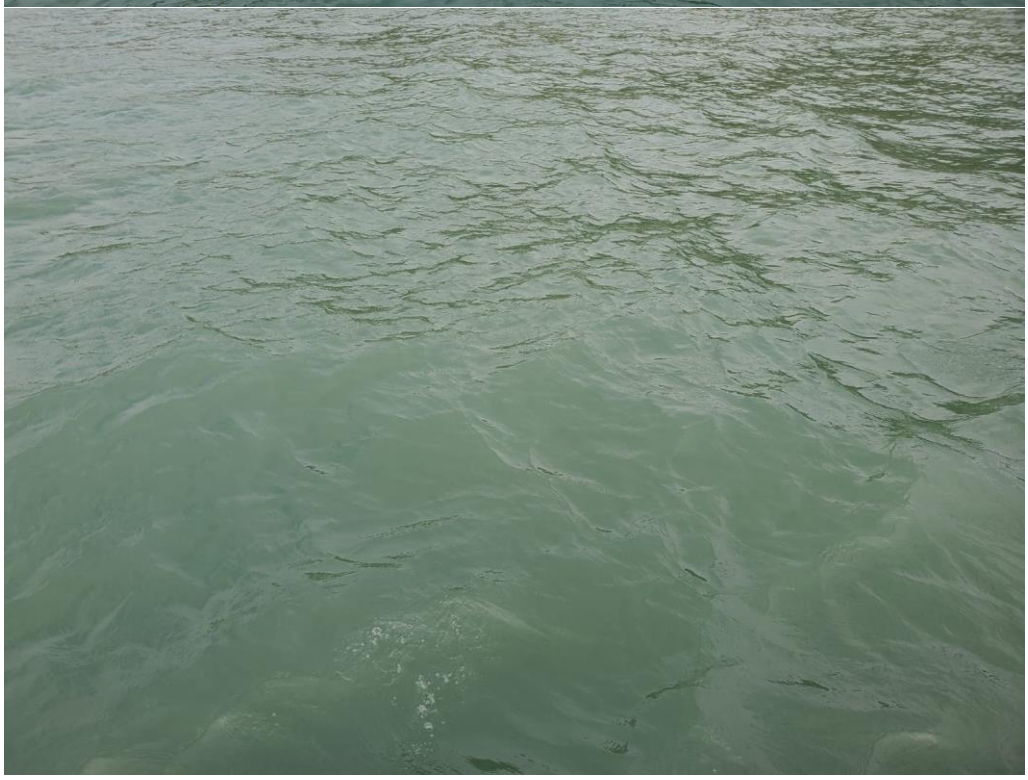
Incident Report on Action Level or Limit Level Non-compliance

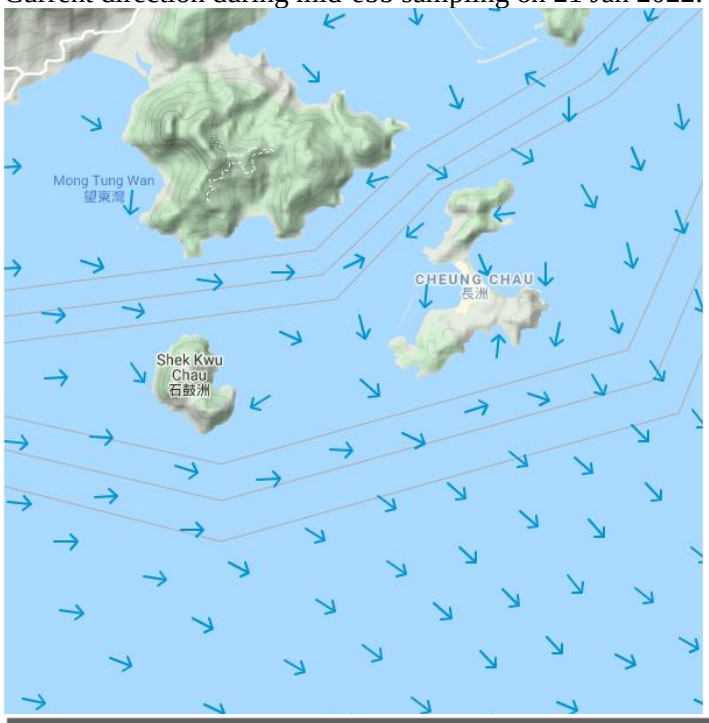
Project	Integrated Waste Management Facilities, Phase 1		
Date	21 Jan 2022 (Lab result received on 27 Jan 2022)		
Time	12:57 – 16:27 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	B3, B4 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit Level	
	≥ 13.0 mg/L (120% of C1A)	≥ 14.0 mg/L (130% of C1A)	
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	19.0 mg/L (B3) 13.5 mg/L (B4)	10.8 mg/L (C1A) 15.3 mg/L (C2A)	7.5 mg/L (B1) 9.8 mg/L (B2) 9.8 mg/L (H1) 12.8 mg/L (M1) 12.3 mg/L (F1A) 8.0 mg/L (CR1) 7.7 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 21 Jan 2022 include leveling underlayer rock at Breakwater B CH 190 - CH200, diving works for leveling underlayer rock at Breakwater A CH1000 - CH1020, loanding of Ballast fill at Caisson J4, installation of block work at marine access facility, 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. Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau. An exceedance of limit level was found at B3 and an exceedance of action level was found at B4.		

	B3 and B4 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. The exceedances at these monitoring stations are deemed to be unrelated to the Project. The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 18 and 25 Jan 2022. After the investigation, the exceedances on 21 Jan 2022 at B3 and B4 are deemed to be unrelated to the Project.

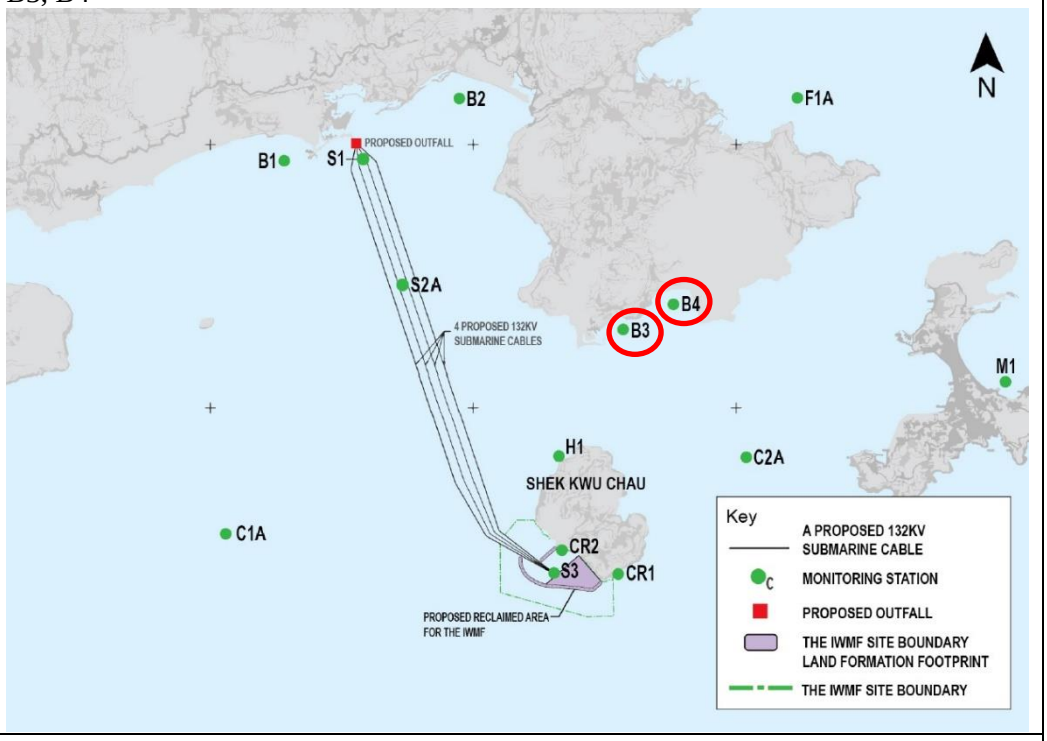
Monitoring photos of stations with exceedance	B3:  

B4:



Remarks	Current direction during mid-ebb sampling on 21 Jan 2022:   (Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Jack Chow
Date	31 Jan 2022

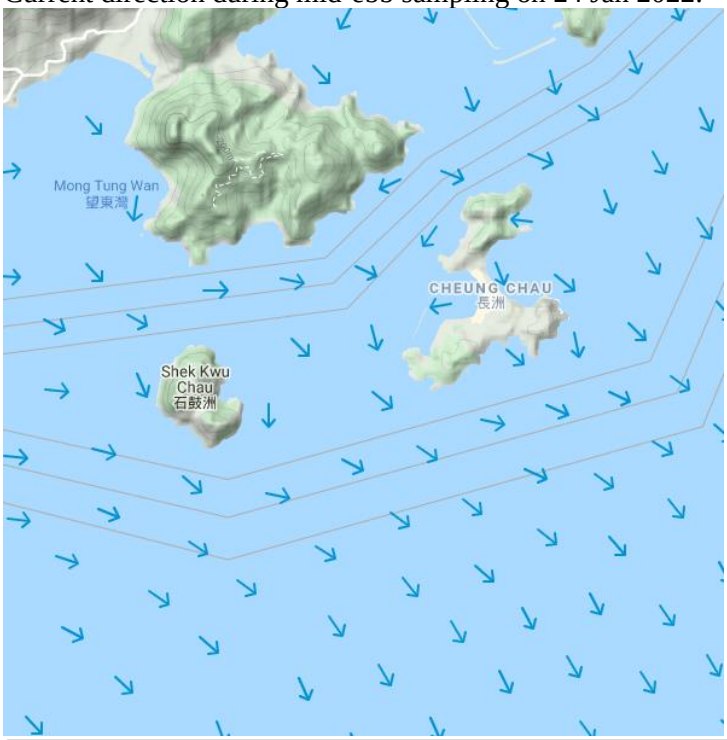
Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	24 Jan 2022 (Lab result received on 31 Jan 2022)		
Time	15:15 – 18:45 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	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
	12.0 mg/L (B3) 8.3 mg/L (B4)	4.5 mg/L (C1A) 5.8 mg/L (C2A)	4.8 mg/L (B1) 4.0 mg/L (B2) 5.8 mg/L (H1) 7.2 mg/L (M1) 4.5 mg/L (F1A) 5.3 mg/L (CR1) 5.5 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 24 Jan 2022 include infilling of Caisson, leveling underlayer rock at Breakwater B CH 190 - CH230, diving works for leveling underlayer rock at Breakwater A CH970 - CH1000, installation of block work at marine access facility, 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. Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau. An exceedance of limit level was found at B3 and an exceedance of action level was found at B4. B3 and B4 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. Exceedances at these monitoring stations are deemed to be unrelated to the Project.		

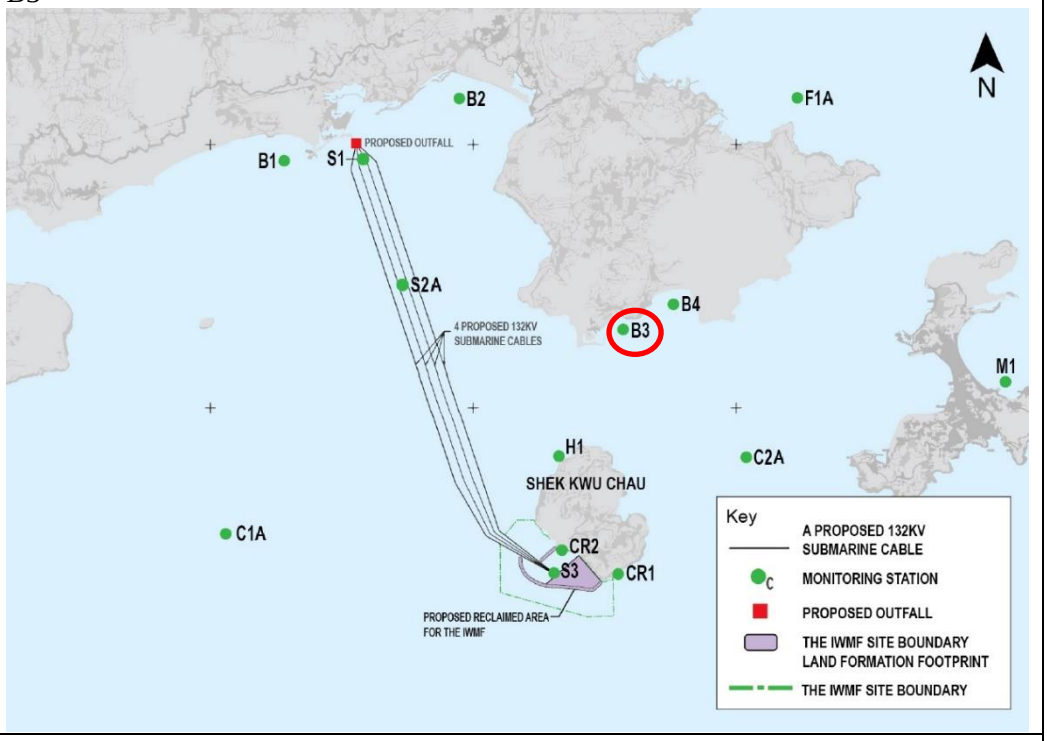
	The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was cloudy during the sampling event. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 18 and 25 Jan 2022. After the investigation, the exceedances on 24 Jan 2022 at B3 and B4 are deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance	B3: 

B4:

Remarks	Current direction during mid-ebb sampling on 24 Jan 2022:   (Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Joe Ho
Date	08 Aug 2022

Incident Report on Action Level or Limit Level Non-compliance

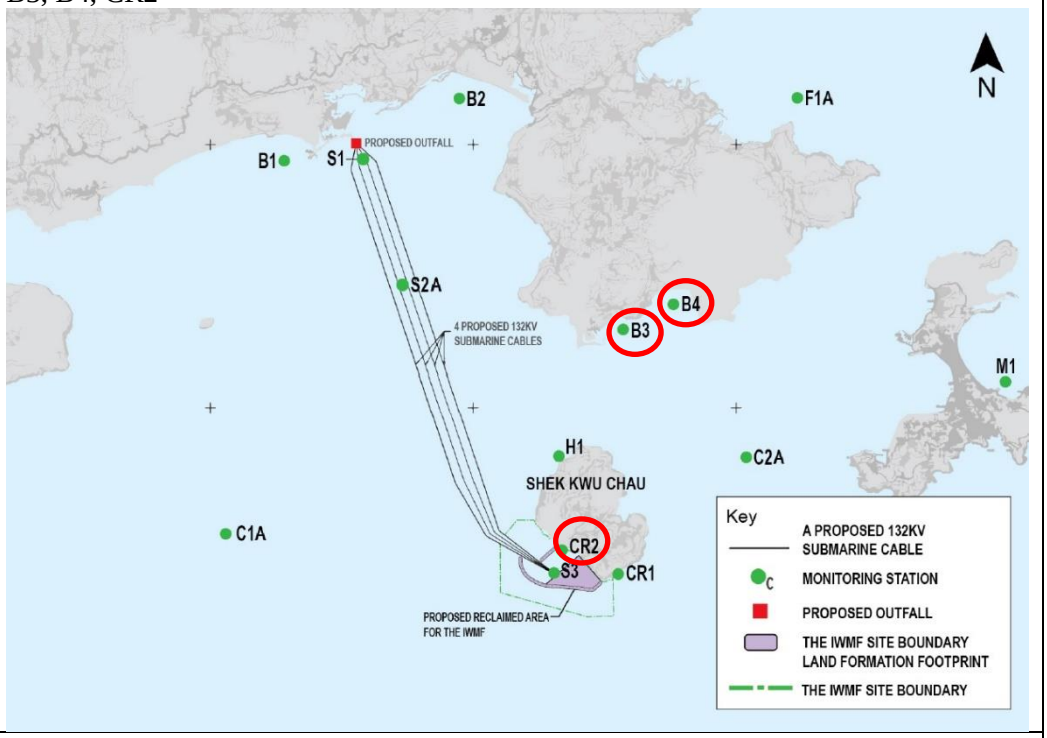
Project	Integrated Waste Management Facilities, Phase 1		
Date	26 Jan 2022 (Lab result received on 04 Feb 2022)		
Time	17:31 – 19:00 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	B3 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit Level	
	≥ 8.0 mg/L	≥ 10.0 mg/L	
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.0 mg/L (B3)	3.4 mg/L (C1A) 4.7 mg/L (C2A)	5.3 mg/L (B1) 4.3 mg/L (B2) 5.8 mg/L (B4) 4.5 mg/L (H1) 4.5 mg/L (M1) 6.3 mg/L (F1A) 7.2 mg/L (CR1) 4.2 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 26 Jan 2022 include infilling of caisson, laying of Geotextile at caisson J4, diving works for leveling underlayer rock at Breakwater A CH970 - CH1000, installation of block work at marine access facility, 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. Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau. An exceedance of action level was found at B3. B3 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. The exceedance is deemed to be unrelated to the Project.		

	The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 25 Jan 2022. After the investigation, the exceedance on 26 Jan 2022 at B3 is deemed to be unrelated to the Project.

Monitoring photos of stations with exceedance	B3:  

Remarks	Current direction during mid-ebb sampling on 26 Jan 2022:   (Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Joe Ho
Date	08 Feb 2022

Incident Report on Action Level or Limit Level Non-compliance

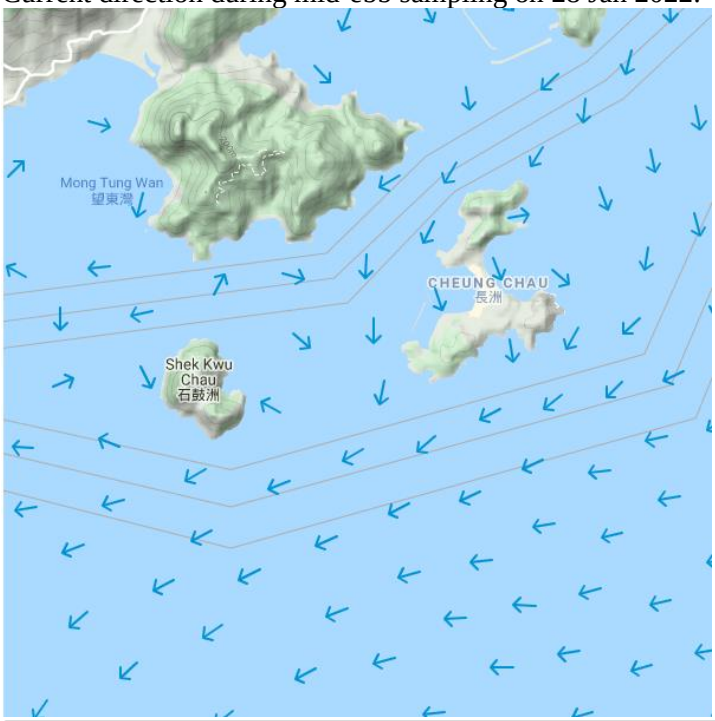
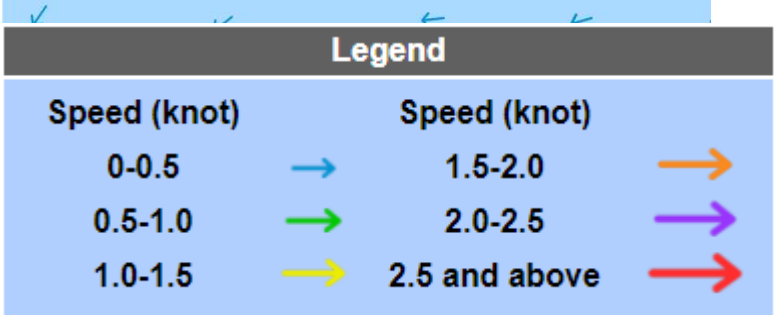
Project	Integrated Waste Management Facilities, Phase 1		
Date	28 Jan 2022 (Lab result received on 07 Feb 2022)		
Time	08:00 – 10:59 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	B3, B4, CR2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit Level	
	≥ 8.0 mg/L	≥ 10.0 mg/L	
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	8.5 mg/L (B3) 8.0 mg/L (B4) 8.0 mg/L (CR2)	5.2 mg/L (C1A) 4.8 mg/L (C2A)	5.5 mg/L (B1) 4.5 mg/L (B2) 6.5 mg/L (H1) 6.2 mg/L (M1) 6.2 mg/L (F1A) 5.5 mg/L (CR1)
Possible reason for Action or Limit Level Non-compliance	Works scheduled on site on 28 Jan 2022 include infilling of caisson, laying of underlayer rock at CH190 – CH230, diving works for leveling underlayer rock at Breakwater A CH950 - CH980, installation of block work at marine access facility, 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. Dominant sea current direction was found to be from Northeast to Southwest at waters around Shek Kwu Chau. Exceedances of action level were found at B3, B4 and CR2. B3 and B4 are located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. Exceedances at these monitoring stations are deemed to be unrelated to the Project.		

	CR2 is located close to the works location within the Project site while no marine work was conducted on 28 Jan 2022 The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed. 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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 25 Jan 2022. After the investigation, the exceedances on 28 Jan 2022 at B3, B4 and CR2 are deemed to be unrelated to the Project.

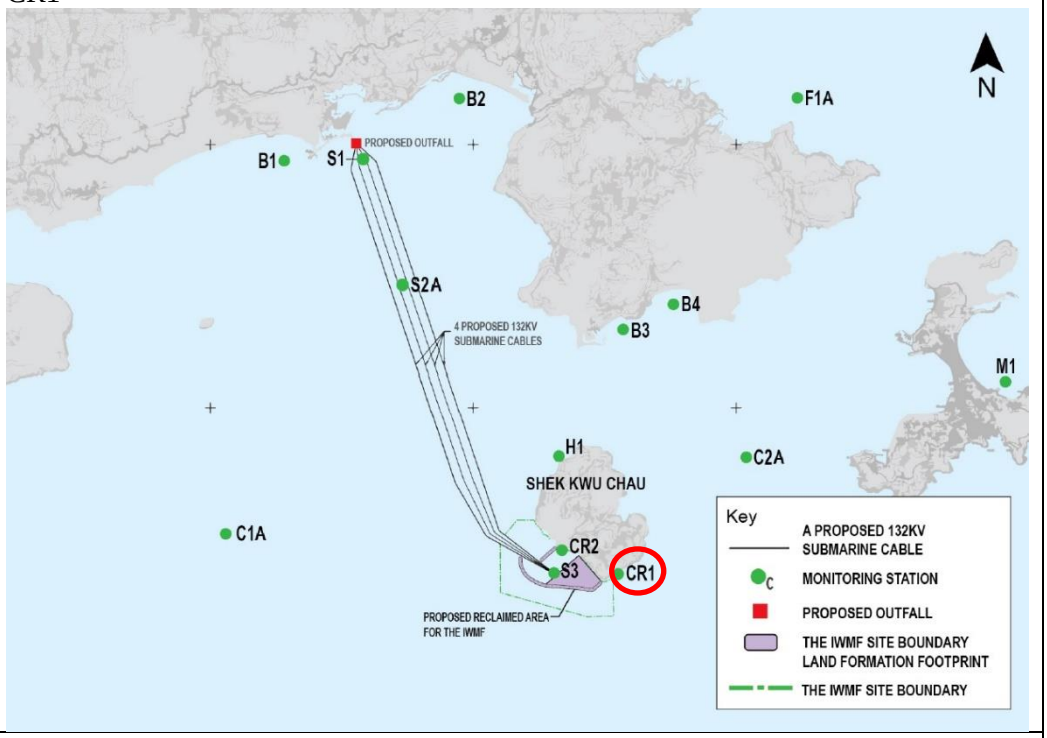
Monitoring photos of stations with exceedance	B3: 

B4:

CR2:

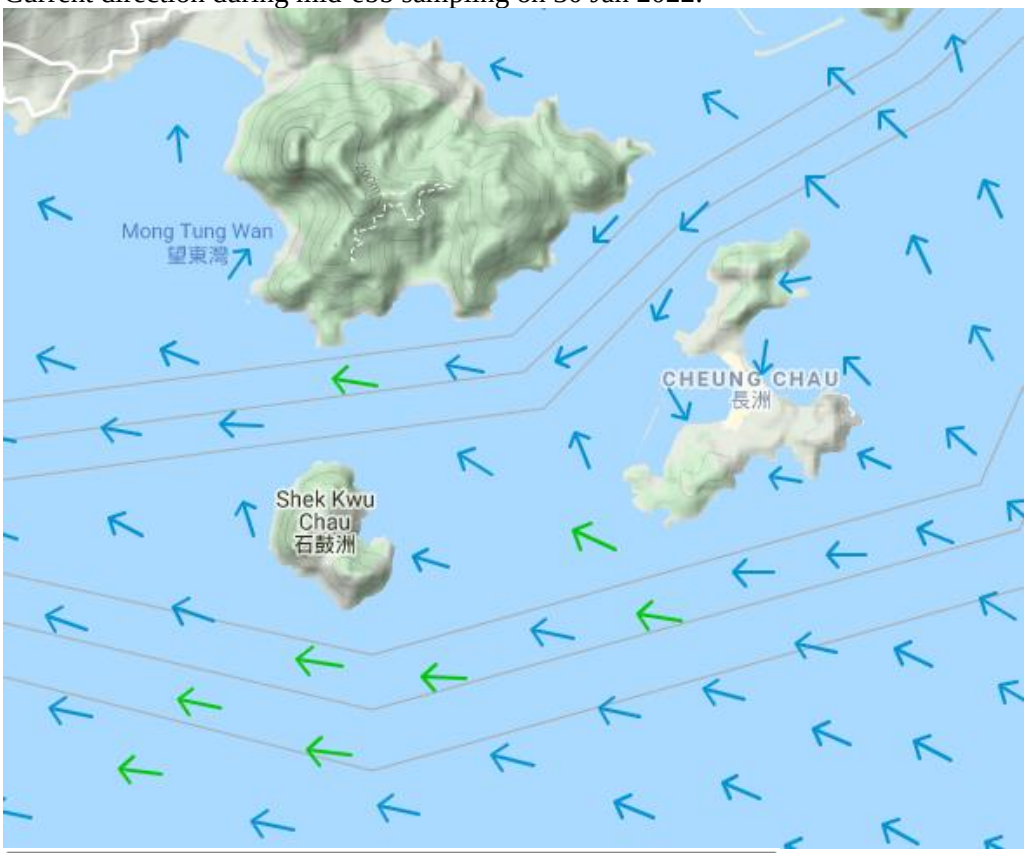
Remarks	Current direction during mid-ebb sampling on 28 Jan 2022:   (Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Joe Ho
Date	08 Feb 2022

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	30 Jan 2022 (Lab result received on 08 Feb 2022)		
Time	14:16 – 17:46 (Mid-Flood)		
Mid-Flood			
Monitoring Location	CR1 		
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
	11.8 mg/L (CR1)	6.7 mg/L (C1A) 4.0 mg/L (C2A)	3.1 mg/L (B1) 3.3 mg/L (B2) 3.5 mg/L (B3) 4.8 mg/L (B4) 4.0 mg/L (H1) 4.2 mg/L (M1) 3.8 mg/L (F1A) 6.5 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	No site activity was recorded due to public holiday (Sunday). Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau. Exceedance of limit level was found at CR1. CR1 is located close to the works location within the Project site while no marine work was conducted on 30 Jan 2022 The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.		

	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. No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly inspection on 25 Jan 2022. After the investigation, the exceedance on 30 Jan 2022 at CR1 is deemed to be unrelated to the Project.
Monitoring photos of stations with exceedance	CR1:  

Remarks	Current direction during mid-ebb sampling on 30 Jan 2022:



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	08 Feb 2022