

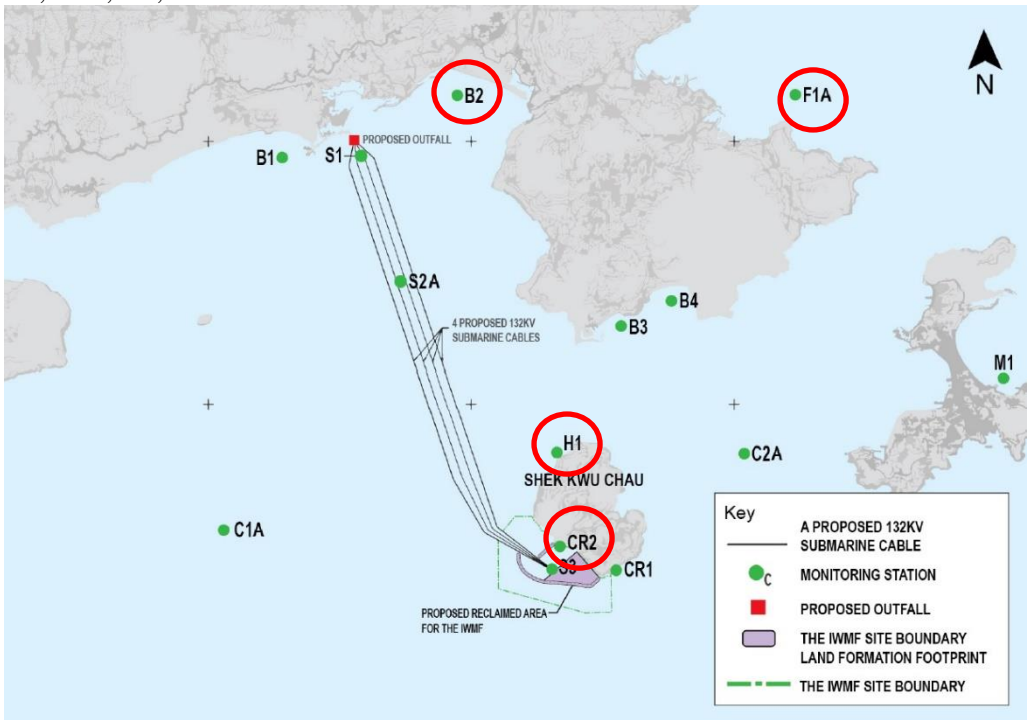
Appendix N Exceedance Report

Statistical Summary of Exceedances in the Reporting Period

Water Quality (Regular Monitoring)			
Location	Action Level	Limit Level	Total
B1	0	1	1
B2	1	0	1
B3	0	0	0
B4	0	0	0
CR1	0	0	0
CR2	2	0	2
F1A	1	0	1
H1	2	0	2
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	2 Feb 2021 (Lab result received on 5 Feb 2021)		
Time	14:12 – 17:42 (Mid-Ebb) 08:15 – 11:45 (Mid Flood)		
Mid-Ebb			
Monitoring Location	B2, F1A, H1, CR2 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 8.0 mg/L		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.0 mg/L (B2) 9.0 mg/L (F1A) 9.5 mg/L (H1) 8.3 mg/L (CR2)	5.3 mg/L (C1A) 9.3 mg/L (C2A)	4.5 mg/L (B1) 5.5 mg/L (B3) 4.8 mg/L (B4) 7.2 mg/L (M1) 5.0 mg/L (CR1)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 2 Feb 2021 include reclamation works, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>B2, F1A and H1 are 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 Silt curtain checking by the Contractor was implemented on Marine Access (2 Feb 2021, 10:00am) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 2 Feb 2021, MMO team was arranged for one</p>		

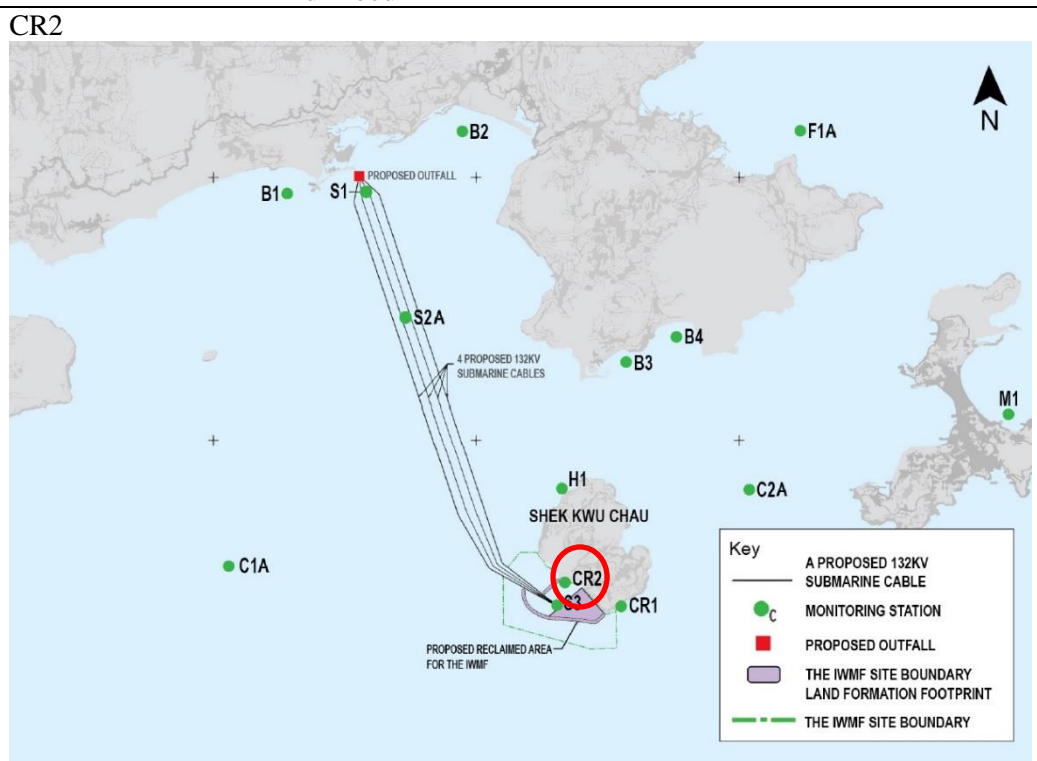
crane barge (金盈 8), silt curtain at western marine access area on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.

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

Site tidiness in the present barges in the Project site were checked during weekly site inspection on 27 Jan 2021. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.

Mid-Flood

Monitoring Location



Parameter: Suspended Solid (SS)

Action & Limit Levels	Action Level	Limit Level
	≥ 8.0 mg/L	≥ 10.0 mg/L

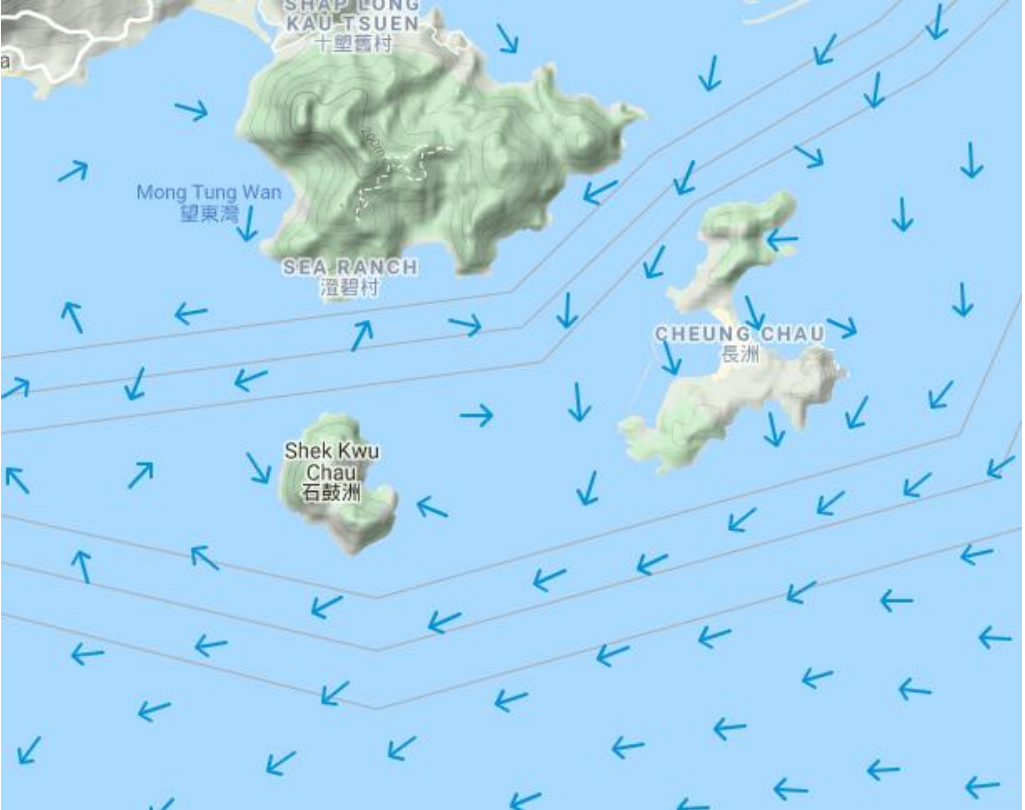
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
		8.7 mg/L (CR2)	5.3 mg/L (C1A) 5.7 mg/L (C2A)

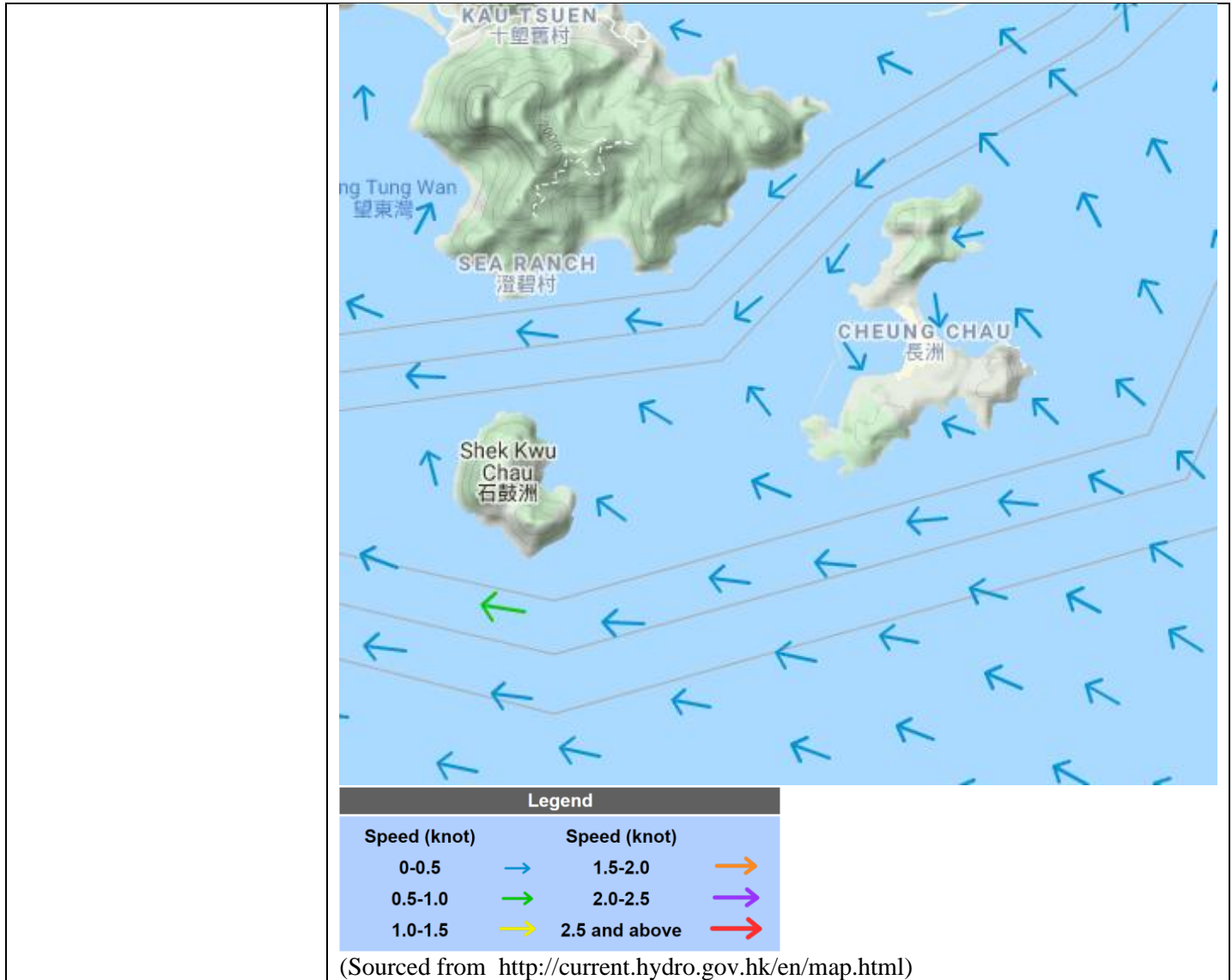
Possible reason for Action or Limit Level Non-compliance

Works scheduled on site on 2 Feb 2021 include reclamation works, laying of rockfill and caisson installation.

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

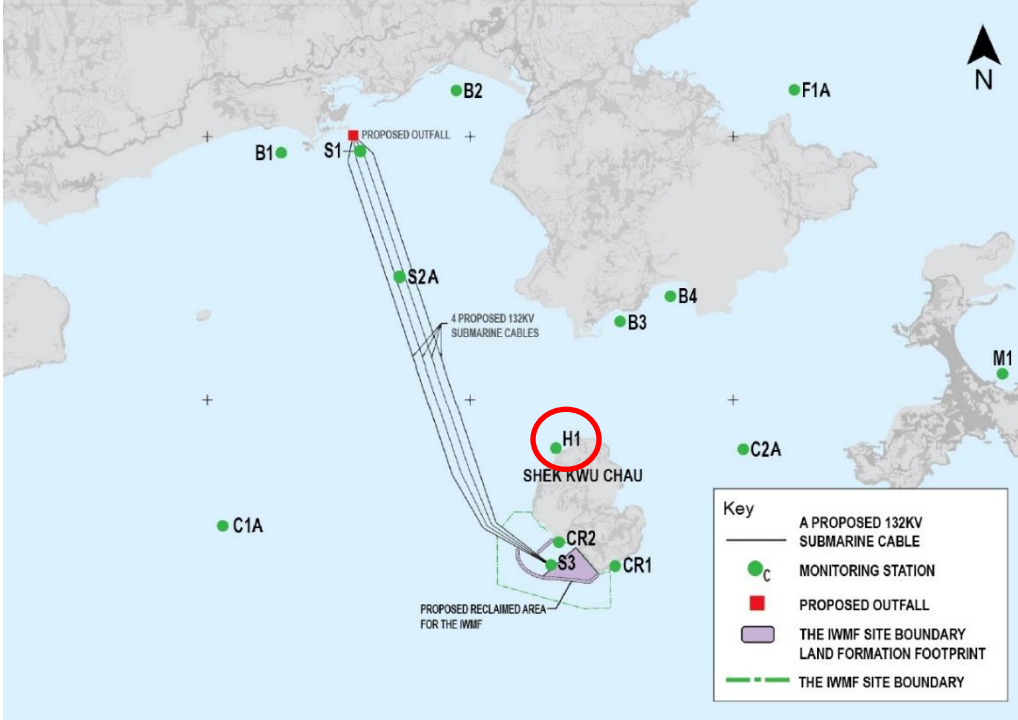
CR2 is located close to the works location within the Project site while Silt curtain checking by the Contractor was implemented on Marine Access (2 Feb 2021, 10:00am) and checking results showed that no deficiency of silt curtain was found on

	<p>that day.</p> <p>From MMO monitoring records on 2 Feb 2021, MMO team was arranged for one crane barge (金盈 8), silt curtain at western marine access area on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 27 Jan 2021. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.</p>
<p>Actions taken / to be taken</p>	<p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&A Manual.</p>
<p>Remarks</p>	<p>Current direction during mid-ebb sampling on 2 Feb 2021:</p>  <p>Current direction during mid-flood sampling on 2 Feb 2021:</p>



Prepared by	Joe Ho
Date	26 Feb 2021

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	18 Feb 2021 (Lab result received on 23 Feb 2021)		
Time	14:59 – 18:29 (Mid-Ebb)		
Monitoring Location	Mid-Ebb H1 		
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level		Limit Level
	≥ 9.0 mg/L (120% of C1A)		≥ 10.0 mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	9.3 mg/L (H1)	7.5 mg/L (C1A) 7.8 mg/L (C2A)	6.5 mg/L (B1) 8.5 mg/L (B2) 8.0 mg/L (B3) 7.5 mg/L (B4) 8.0 mg/L (F1A) 7.7 mg/L (M1) 7.7 mg/L (CR1) 8.5 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 18 Feb 2021 include reclamation works, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>H1 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>Silt curtain checking by the Contractor was implemented on Marine Access (18 Feb 2021, 10:30am) and checking results showed that no deficiency of silt curtain was found on that day.</p>		

From MMO monitoring records on 18 Feb 2021, MMO team was arranged for one derrick barge (DL5) and silt curtain at western marine access area on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.

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

Site tidiness in the present barges in the Project site were checked during weekly site inspection on 17 Feb 2021. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.

Remarks

Current direction during mid-ebb sampling on 18 Feb 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	26 Feb 2021

Incident Report on Action Level or Limit Level Non-compliance

Project	Integrated Waste Management Facilities, Phase 1		
Date	22 Feb 2021 (Lab result received on 25 Feb 2021)		
Time	15:30 – 19:00 (Mid-Ebb)		
Mid-Ebb			
Monitoring Location	<p>B1</p> <p>The map shows the Shek Kwu Chau area with various monitoring stations and proposed infrastructure. Station B1 is circled in red. A key indicates: a solid line for a proposed 132KV submarine cable, a green circle with 'C' for a monitoring station, a red square for a proposed outfall, a purple shaded area for the IWMF site boundary land formation footprint, and a green dashed line for the IWMF site boundary. Other stations include B2, B3, B4, C1A, C2A, H1, M1, S1, S2A, S3, CR1, CR2, CR3, and F1A. A north arrow is also present.</p>		
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
	18.0 mg/L (B1)	3.2 mg/L (C1A) 3.3 mg/L (C2A)	2.3 mg/L (B2) 3.0 mg/L (B3) 2.5 mg/L (B4) 2.8 mg/L (F1A) 3.2 mg/L (H1) 3.2 mg/L (M1) 4.8 mg/L (CR1) 6.5 mg/L (CR2)
Possible reason for Action or Limit Level Non-compliance	<p>Works scheduled on site on 22 Feb 2021 include reclamation works, laying of rockfill and caisson installation.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</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>Silt curtain checking by the Contractor was implemented on Marine Access (22 Feb 2021, 10:00am) and checking results showed that no deficiency of silt curtain was found on that day.</p>		

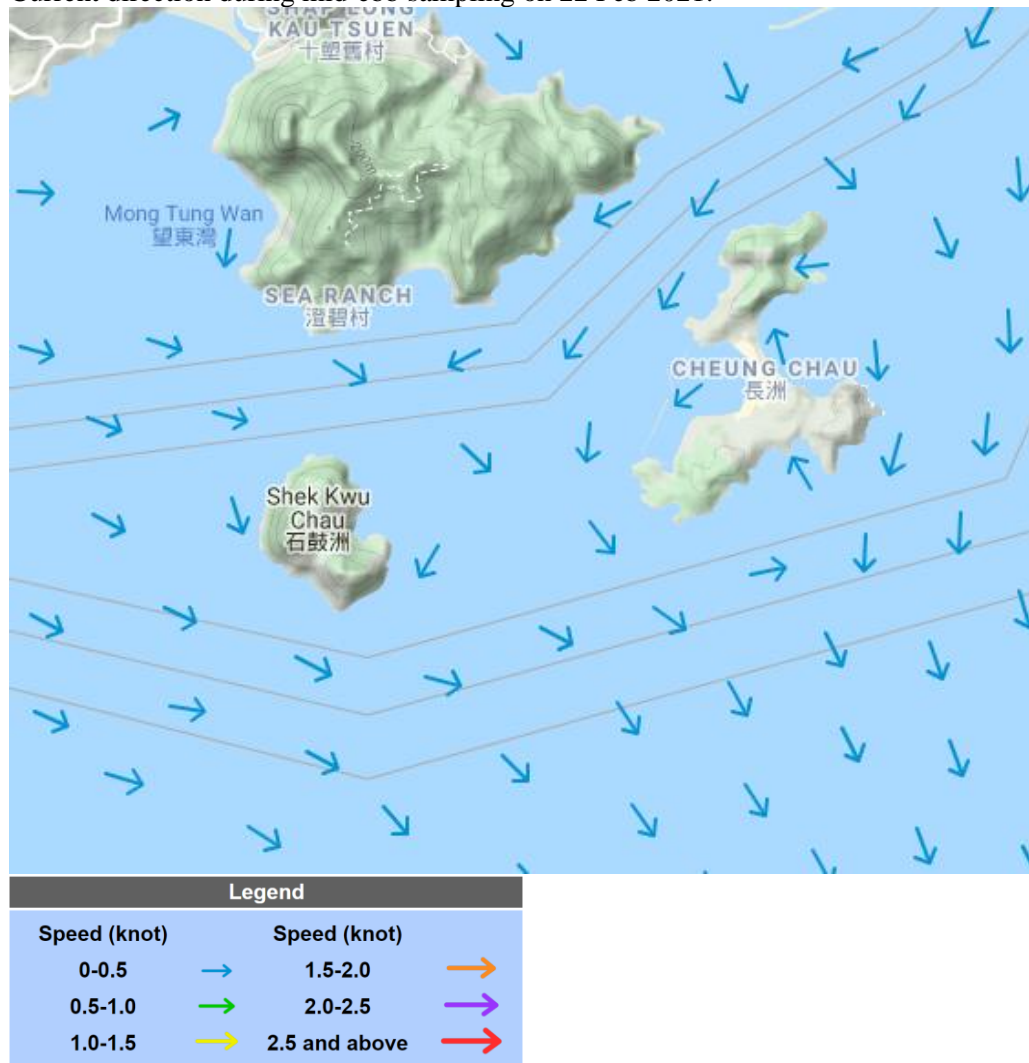
From MMO monitoring records on 22 Feb 2021, MMO team was arranged for one derrick barge (DL5) and silt curtain at western marine access area on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.

According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site. However, widely spread reddish suspended particles resembling the look of red tide was observed by water sampling team near B1 (Supporting photo 1), if such was actually red tide, the algae could possibly induce the exceedance of SS level at B1.

Site tidiness in the present barges in the Project site were checked during weekly site inspection on 17 Feb 2021. No major observation of improper site practices that could contribute to the increase of the suspended solids recorded.

Remarks

Current direction during mid-ebb sampling on 22 Feb 2021:



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

Supporting photo 1:



Prepared by Joe Ho

Date 26 Feb 2021