# **Tung Chung New Town Extension**

10<sup>th</sup> PLG Meeting Date : 16 April 2024





### Agenda



- 1. Confirmation of Last Meeting Minutes
- 2. Tung Chung East
  - a) Matters Arising from Last Meeting
  - b) Overview and Progress
  - c) Environmental Monitoring and Audit (EM&A)
- 3. Tung Chung West
  - a) Matters Arising from Last Meeting
  - b) Overview and Progress
  - c) Environmental Monitoring and Audit (EM&A)
- 4. AOB



# **1. Confirmation of Last Meeting Minutes**



# **2. Tung Chung East**

# a) Matters Arising from Last Meeting

### **Response to Comment**



- S.4.1.3: "A member suggested to review the mesh size of the oyster bag to allow marine organisms entering and leaving the oyster bag at various stages of life cycle. As for material of the oyster bag, the use of decomposable materials such as hemp rope or thin stainless-steel wire was recommended.
- Hemp net oyster bag, with opening of 25mm, is adopted on site.
- □ S.4.1.4: "Members suggested to install **temperature loggers** (e.g. temperature sensing i-Buttons) at the tidal pools of rocky eco-shoreline to monitor the temperature profile of the different rock pool design especially during summer period.
- The temperature loggers would be installed in May 2024 for monitoring the temperature starting from this summer.

### **Response to Comment**

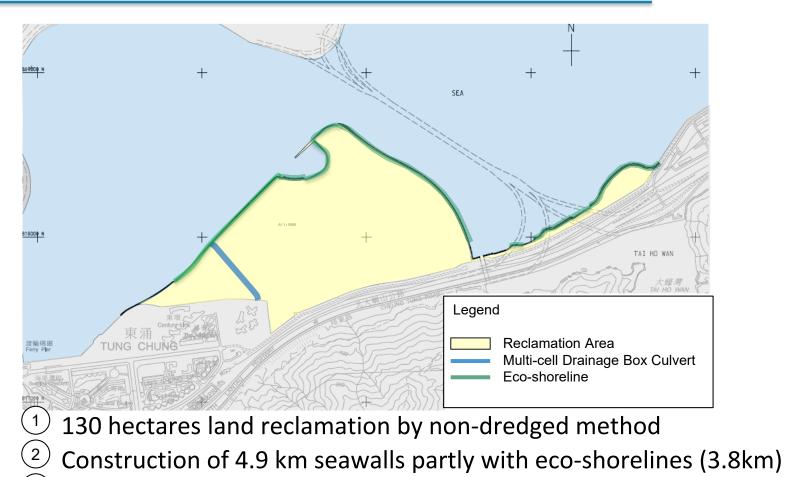


- S.4.2.4: "A member advised that EPD has developed a Centralised Environmental Database for environmental and ecological data as part of the optimization of the EIAO Process and enquired whether the EM&A data of horseshoe crab of the Tung Chung New Town Extension project could be incorporated into the database.
- To ensure a high degree of transparency regarding the monitoring data and results in view of the public concern about the Project, all environmental monitoring and audit data and results and all submissions and all performance test data and results required by this Permit shall be made available by the Permit Holder to the public through a dedicated website to be set up by the Permit Holder (EP condition 3.7 / 4.2).
- After further discussion with EPD on the Centralised Environmental Database, EPD acknowledged that relevant data for Tung Chung New Town Extension project is already made available through EP submissions, Monthly EM&A reports, and the dedicated website. As the database is currently managed by EPD solely, EPD is under consideration on the incorporation of the information into the database. CEDD will keep on follow up with EPD for the data incorporation.



# 2. Tung Chung East b. Overview and Progress

#### **Tung Chung East Reclamation**



<sup>3</sup> Construction of 470m extension of multi-cell drainage box culvert

#### **Vertical Eco-shoreline**





#### General View of Vertical Eco-shoreline



Creatures observed

#### Mangrove and Rocky Eco-shoreline



#### Creatures observed at Rocky Eco-shoreline



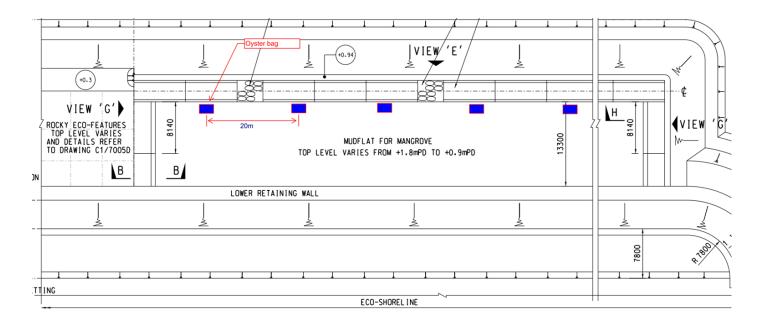
Creatures observed at Mangrove Eco-shoreline

#### **Oyster Bags at Lower Terrace of Mangrove Eco**shoreline

Oyster bags



- 5 x Oyster bags at each location
- 25mm mesh size hemp net
- Approx. 40 locations at 20m interval
- Completed



#### **Underwater Drone Monitoring at Eco-shoreline**





Underwater Drone Equipment



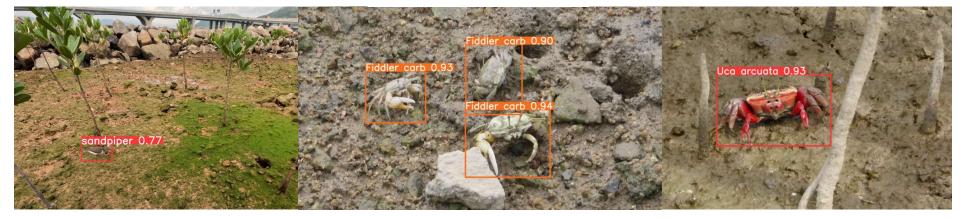


Sighted Marine Creatures

#### **AI Based Eco-shoreline Habitat Monitoring**







Creatures Detected at Mangrove Eco-shoreline

# Eco-Engineered Panels installation for PolyU/CityU at Eco-shoreline SHW trial site



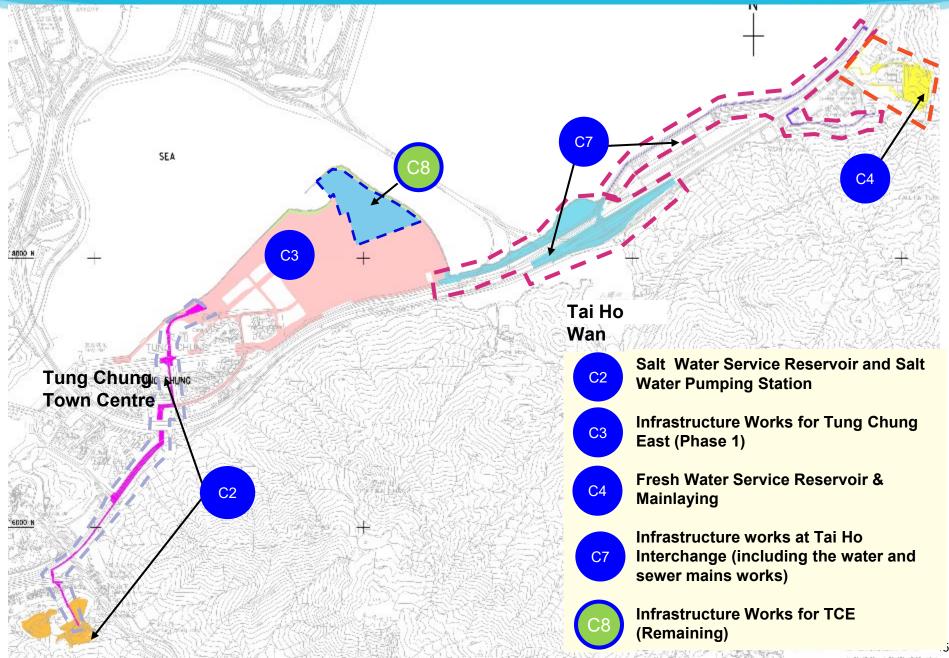




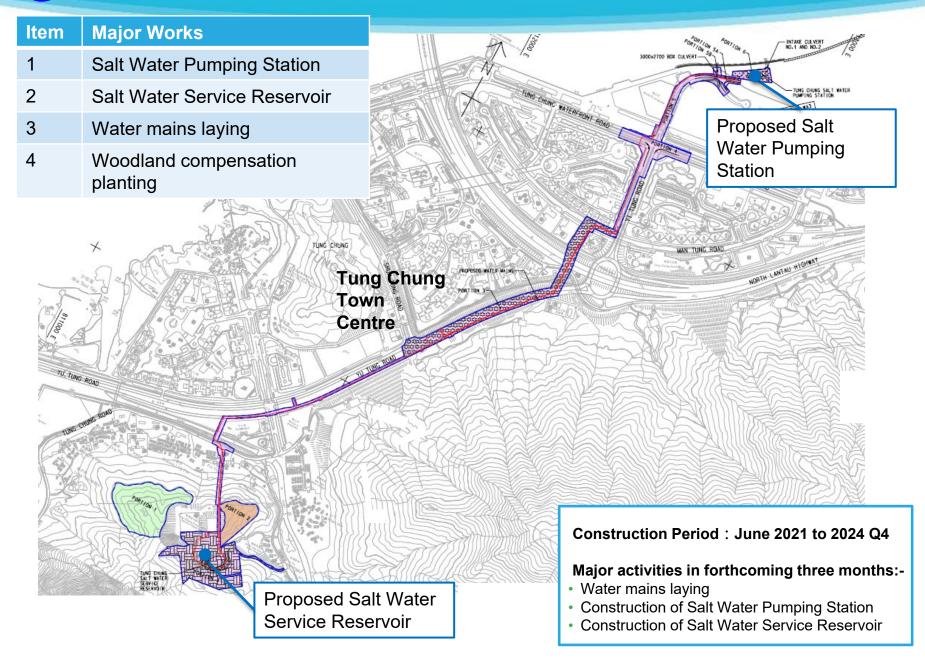


- A total of 28 eco-engineered panels of sizes 1mx1m and 0.25mx0.25m were installed in early February 2024 to facilitate PolyU/CityU's research works.

### **Tung Chung East Infrastructure**



### <sup>2</sup> Contract No. NL/2020/02



## Salt Water Pumping Station (SWPS)

**Construction Period** 2021 Q4 to 2024 Q3

#### **Related Works**

- E&M Works
- ABWF Works



### Salt Water Service Reservoir

**Construction Period** 2022 Q2 to 2024 Q3

- Watermain Laying
- E&M Works



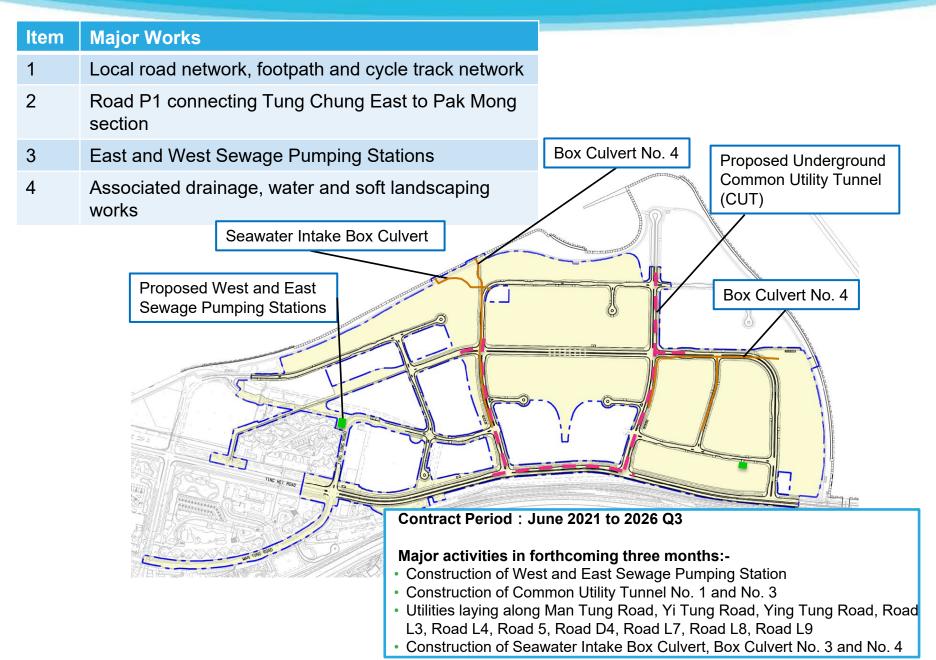
## Watermain Laying

**Construction Period** 2021 Q4 to 2024 Q4

- TTA and traffic diversion
- Watermain Laying



### Contract No. NL/2020/03



19

## West Sewage Pumping Station (WSPS)

#### **Construction Period** 2021 Q3 to 2024 Q2

- ELS works
- R.C. structures



# **Common Utility Tunnel (CUT)**

#### **Construction Period** 2021 Q3 to 2024 Q3

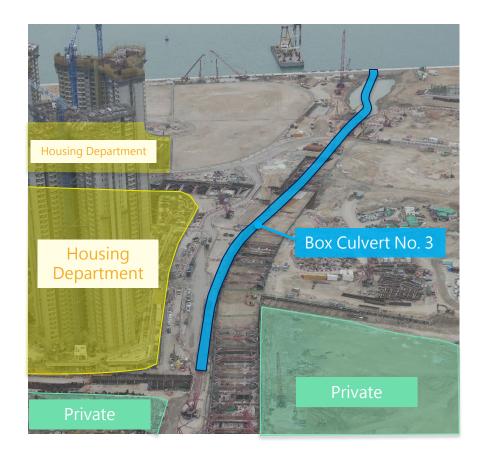
- ELS works
- Underground R.C. structures



### **Box Culvert No. 3**

**Construction Period** 2023 Q4 to 2024 Q3

- ELS works
- Precast Segments Installation
- Underground R.C. structures



## **Eco-shoreline Monitoring**

#### Eco-shoreline and Reference Monitoring in Dry Session:

- All the monitoring works in Dry Session were completed
- The data is under analysis



Mangrove Eco-shoreline Monitoring



Rocky Eco-shoreline Monitoring



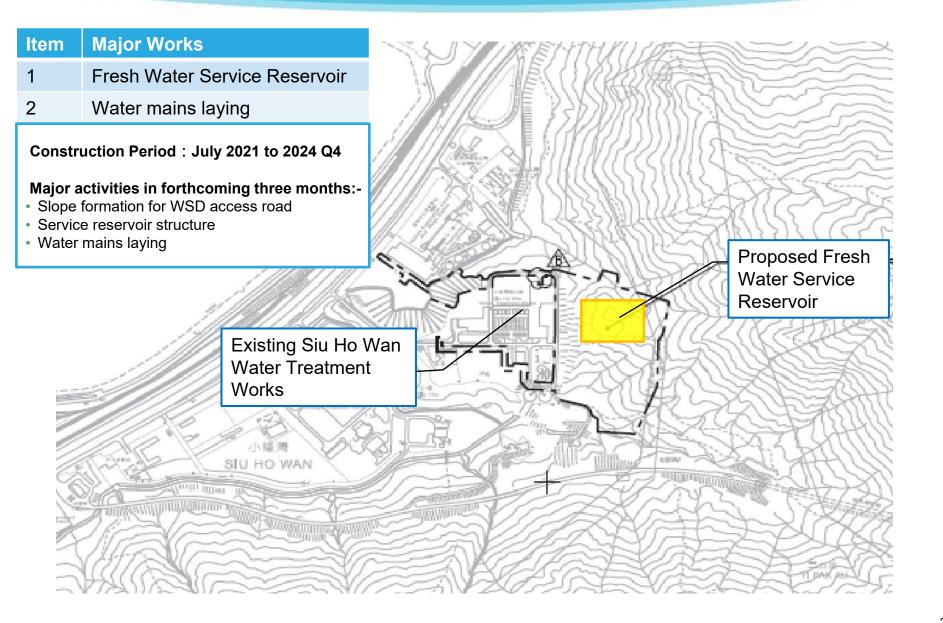
Vertical Eco-shoreline Monitoring



**Reference Point Monitoring** 

### Contract No. NL/2020/04

C4



### **Fresh Water Service Reservoir**

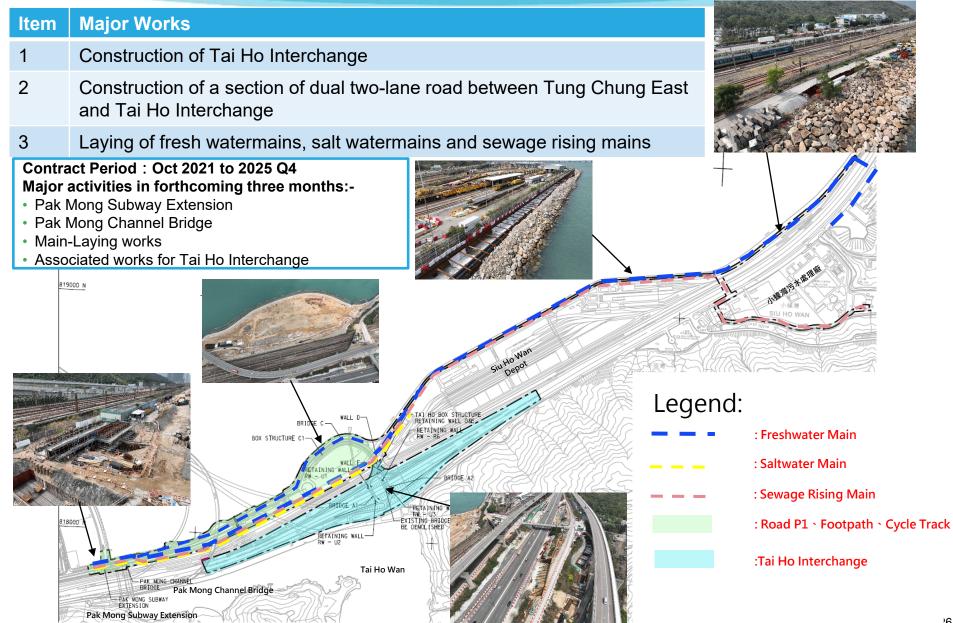
**Construction Period** 2022 Q2 to 2024 Q4

- R.C. structures
- Slope works



### **Contract No. NL/2020/07**

C7



### Contract No. NL/2020/07

## **Pak Mong Subway Extension**

**Construction Period** 2022 Q2 to 2025 Q4

#### **Related Works**

- R.C. structure & Steel frame roof



### Pak Mong Channel Bridge

**Construction Period** 2023 Q1 to 2025 Q2

- Pile cap construction
- Bridge construction



## Main-laying works (Rising, Fresh and Salt Water Mains)

**Construction Period** 2021 Q3 to 2024 Q3

#### **Related Works**

- **Rising Main-laying**
- Fresh & Salt Water Main-laying





## **Construction of Tai Ho Interchange**

**Construction Period** 2022 Q3 to 2025 Q4 **Related Works** 

- **Temporary Traffic** Arrangement and diversion
- Piling works
- R.C. structure
- Bridge construction





# **2. Tung Chung East**

# c) Environmental Monitoring and Audit

### **Dedicated Website under EP-519/2016**



Website: http://env.tcnte.hk/index-TCE.html



#### **Tung Chung New Town Extension (East)**

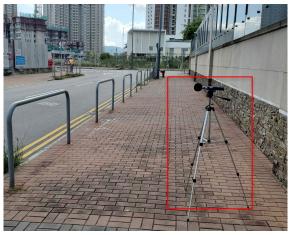
This dedicated website is set up in accordance with the requirements in the Environmental Permit (EP) (EP NO. EP-519/2016) to enable user-friendly public access of information of the Tung Chung New Town Extension (East) and the associated environmental monitoring data.

### Protection and Mitigation Measures on Construction Activities





Water spraying by water truck for dust control



Noise monitoring



Wheel washing bay with high pressure jet



Sprinkler system



Noise barrier



Noise mitigation measures

## Protection and Mitigation Measures on Construction Activities





Real time tracking and monitoring system for dump trucks

| ARE STRICT: 19739819   | 入资源单述: 19739819<br>Chit No.:  | 亞古法列第34年還常也透露得列<br>孫也認着(法系導的感流我費)他例   |
|--|---|---|
|  | 3時 「シ」 - 他は J 302 H:<br>Take ( < ) One Presenbed Facility:<br>日本記念 二 計画のの このであった。<br>本記の構成 200 年のののであった。<br>この記述の研究のであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののであった。<br>日本記念ののでのであった。<br>日本記念ののでのでのでのでのであった。<br>日本記念ののでのでのでのでのでのでのでのでのでのでのでのでのでのでのでのでのでのでの | Wate Disposed (Chainane (Chainer Sch)<br>Wate Disposed (Chainane (Chainer Sch)<br>Wate Disposed (Chainer Merson)<br>女孩 速 入 极 票<br>CHIT          |
| Plaster Vehicle Reprintment Mark:<br>Heightan<br>Date of Use,<br>2013<br>2014<br>2014<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2015<br>2 | WHIGH'S Value Registration Music           WIRTIN:           Data Office           Base of Use:           Wint of the Account holder:           BILLD KING (C 22005)           PINCEPERRING LIDENTED &           SAMSLING C 64T           CORPORATION TRADING AS           BUILD KING - SCT TW  | 1 9 7 3 9 8 1 9   |
| 26682  |   | CP2HE     Strong of the second-selface     BULD KINN (2005) BNGINEERING LIMITED &     SAMSENG CARTORNORATION TRADING AS     BULLD KING - SCT TV |
| の<br>入 た に 前 ま に で ま の で の で の で の で の で の で の の の の の の   | #F編集 7029877<br>Account Na.<br>二型1、出版支援期内にな   |   |

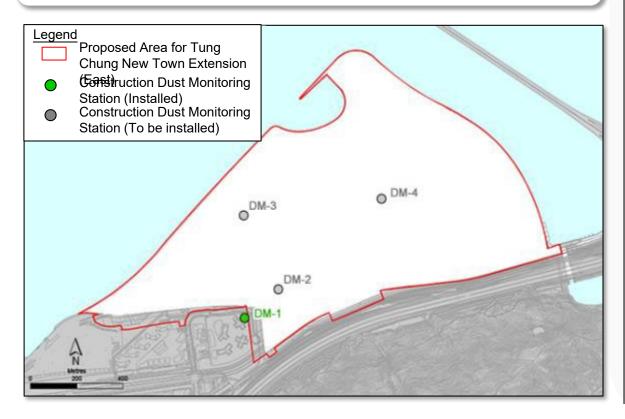
Trip ticket for waste control

## **EM&A Monitoring – Air Quality**



#### Air Quality Monitoring

FrequencyThree times every six daysMonitoring Parameter1-hour Total Suspended Particulate





#### Monitoring Results between Oct 2023 and Feb 2024

No project-related exceedance was recorded.



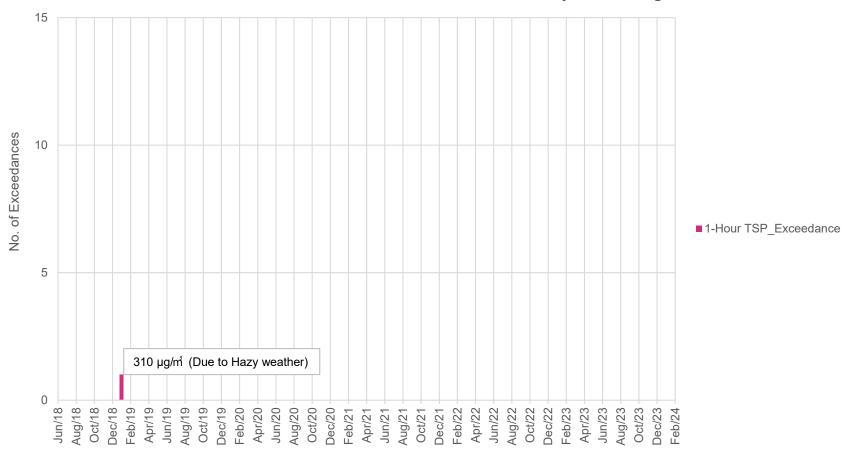
Dust monitoring near Ying Tung Estate (DM-1)

### **EM&A Monitoring – Air Quality**





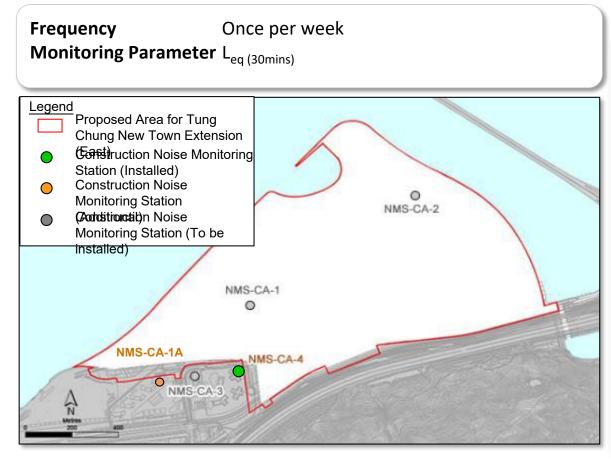
1-Hour TSP Exceedance Record of Air Quality Monitoring



## **EM&A Monitoring – Noise**



#### Noise Monitoring





#### Monitoring Results between Oct 2023 and Feb 2024

Results of noise monitoring indicated that noise levels were within acceptable level (75dBA)



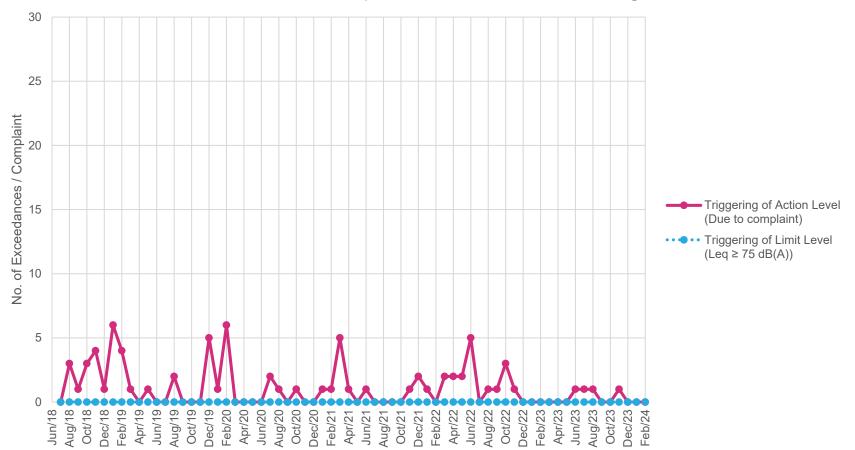
Noise monitoring near Ying Tung Estate (NMS-CA-4)

### **EM&A Monitoring – Noise**



#### Tung Chung New Town Extension - Reclamation and Advance Works

Exceedance / Complaint Record of Noise Monitoring

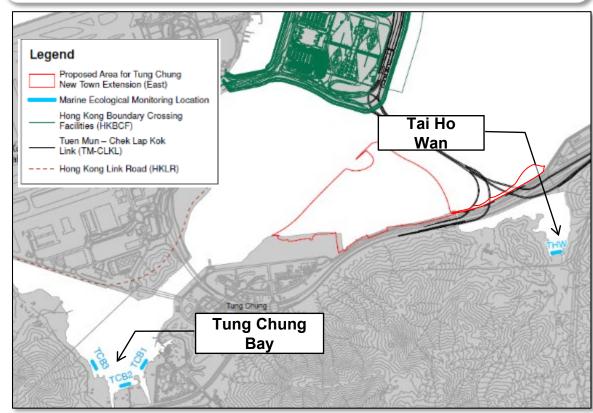


# **EM&A Monitoring – Ecology**



### **Ecological Monitoring**

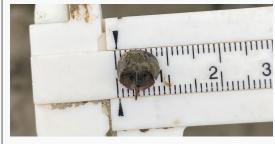
FrequencyQuarterlyMonitoring ParameterHorseshoe Crabs, Seagrass, Intertidal<br/>Soft Shore Communities





### Monitoring Results between Sep 2023 and Dec 2023

Horseshoe crabs were found in both Tung Chung Bay and Tai Ho Wan.

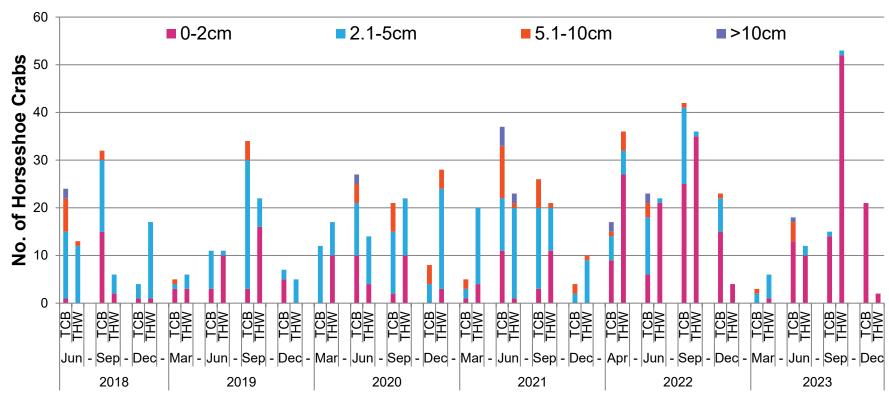




## **Horseshoe Crab**



- Numbers of horseshoe crabs varied over time and were generally higher in summer period (May Sep)
- Small juvenile horseshoe crabs (prosomal width <2 cm) were recorded during all impact monitoring since Sep 2018



### Size (Prosomal Width) of Horseshoe Crabs

Baseline (May-Jun 18)

# **Complaint received**



| Month                               | Water | Air   | Noise  | Others<br>(Light, Waste.<br>Ecology) |
|-------------------------------------|-------|---|--|--------------------------------------|
| October - 2023                      | 0     | 0   | 1  | 0                                    |
| November - 2023                     | 0     | 0   | 3  | 0                                    |
| December - 2023                     | 0     | 1   | 2  | 0                                    |
| January - 2024                      | 0     | 6   | 0  | 0                                    |
| February - 2024                     | 0     | 1   | 0  | 0                                    |
| Categories for recent<br>complaints |       | <ul> <li>Dust</li> <li>Ying Hei<br/>Road</li> </ul> | <ul> <li>Noise at night<br/>and during<br/>restricted hours</li> </ul> |                                      |

10<sup>th</sup> Professional Liaison Group Meeting – Agenda

**Tung Chung West** 

a) Matters Arising from Last Meeting - Nil

**b) Overview and Progress** 

c) Environmental Monitoring and Audit





土木工程拓展署 Civil Engineering and Development Department



ARUP

## **Tung Chung West**

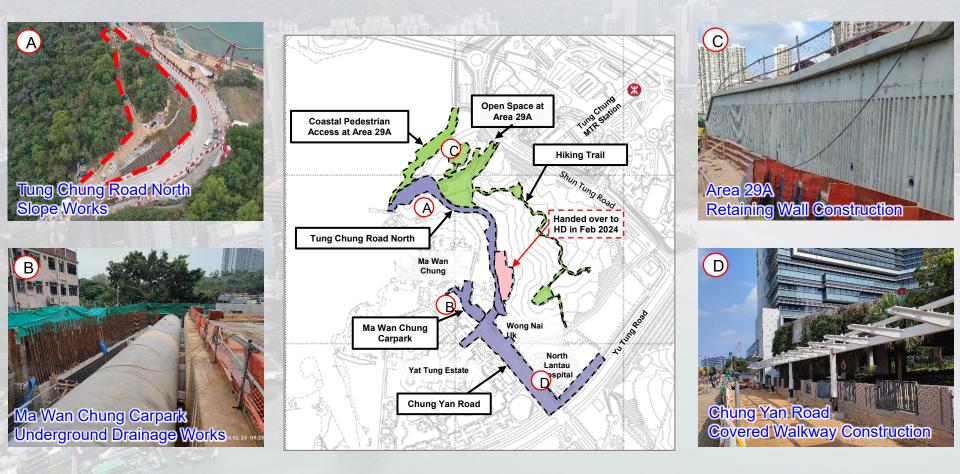
**b) Overview and Progress** 

### Contract No. NL/2020/05 – Site Formation & Infrastructure Works at Ma Wan Chung

|       | ltem                      | Major Works  |  |
|-------|---------------------------|--|--|
|       | 1                         | Widening of Tung Chung Road North, Construction of Ma Wan<br>Chung Carpark and<br>Road Improvement Works and Drainage Works at Chung Yan<br>Road | Coastal Pedestrian<br>Access at Area 29A |
|       | 2                         | Construction of Open Space at Area 29A and Coastal Pedestrian Access   | Hiking Trail                             |
|       | 3                         | Site Formation of Area 23 (Completed and handed over to Housing Department)  | Shun Tung Road                           |
|       | Contr                     | act Period:May 2021 to 2025  | Tung Chung Road North<br>Ma Wan<br>Chung |
|       | Major                     | activities in coming three months :-   | Area 23                                  |
|       | <ul> <li>Slope</li> </ul> | e works at Tung Chung Road North   | Ma Wan Chung<br>Carpark<br>Uk            |
|       |                           | struction of underground utilities and road works at Ma Wan Chung<br>ark, Yu Tung Road, Chung Yan Road & Tung Chung Road North                   | Yat Tung Estate<br>Chung Yan Road        |
|       | Cons                      | struction of covered walkway at Chung Yan Road   | Yu Tung Road                             |
| 13-11 | Cons                      | struction of retaining walls at Area 29A   |  |

- Upgrading works of existing hiking trail at Area 29A
- Construction of Coastal Pedestrian Access

### Contract No. NL/2020/05 – Site Progress



### Contract No. NL/2020/06 – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1

| ltem   | Major Works   |                               | Contraction of the second        |
|--------|---|-------------------------------|----------------------------------|
| 1      | Road Works at Yu Tung Road, Chung Mun Road,<br>Road L29, Road L30 & Shek Mun Kap Road | K internet                    | Tung Road                        |
| 2&3    | Sewage Pumping Stations   | Chung Mun Road Mun Tung       | und food                         |
| 4      | Common Utility Tunnel   | Bridge A Estate Lore          |                                  |
| 5      | River Park & Visitor Centre   | River Park                    | Road L30                         |
|        | Bridges across Tung Chung Stream  | Bridge B                      | Handed over to<br>HD in May 2023 |
| 7      | Sustainable Urban Drainage System   | Road L29                      |                                  |
| 3      | Woodland Compensatory Planting  | Shek Lau Po<br>Visitor Centre |                                  |
| 9      | Site Formation at Area 42 & Area 46   |                               |                                  |
| Contra | act Period : May 2021 to 2025   | Tunnel Bridge C               | Woodland                         |

Shek Mun Kap Road

Will be handed over

to HD in Apr 2024

Compensatory Planting

Area 46

Contract Period : May 2021 to 2025 Major activities in coming three months :-

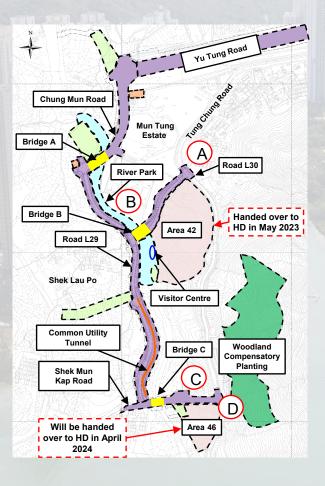
- Construction of underground utilities and road works at Yu Tung Road, Chung Mun Road, Road L29, Road L30 & Shek Mun Kap Road
- Construction of sewage pumping stations
- Construction of Common Utility Tunnel
- Construction of River Park and Visitor Centre
- Construction of bridges
- Site formation works at Area 46

### Contract No. NL/2020/06 – Site Progress



(A)











土木工程拓展署 Civil Engineering and Development Department



ARUP



c) Environmental Monitoring and Audit

46

### **Environmental Mitigation Measures for Construction Activities**



Water spraying via sprinklers at construction site for dust suppression



Wheel washing facility at the site exit



Water spraying by water truck along haul road



Covering excavated stockpiles by impervious sheeting

# Environmental Mitigation Measures for Construction Activities (Cont'd)



Deployment of noise barrier



Removal of sheet-pile by silenced type Powered Mechanical Equipment (PMEs)



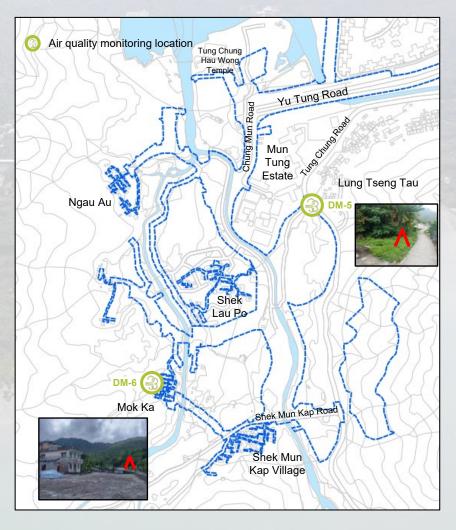
Wastewater treatment facility

### **EM&A Monitoring – Air Quality**

| ID   | Description    | Monitoring<br>Parameter | Monitoring<br>Frequency       |
|------|----------------|-------------------------|-------------------------------|
| DM-5 | Lung Tseng Tau |                         | Three times<br>every six days |
| DM-6 | Mok Ka         | 1-hr TSP                |                               |

Monitoring Results from Oct 2023 to Feb 2024

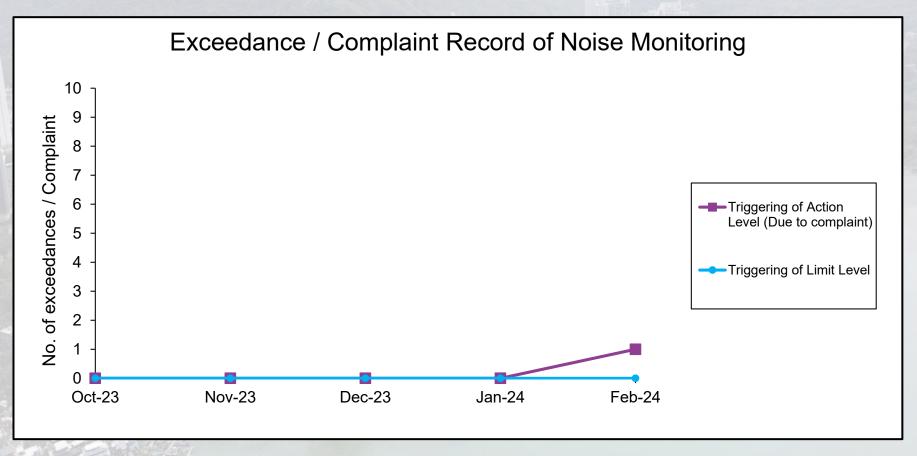
No exceedance was recorded



### **EM&A Monitoring – Noise** Noise monitoring location •c[]]D=0= Tung Chung Hau Monitoring Monitoring Wong C==Temple ID Description **Parameter** Frequency Yu Tung Road Tung Chung Road Village house in NMS-CA-5 Ma Wan Chung M Bund Village house in NMS-CA-6 1 NMS-CA-9 Shek Mun Kap Mun A-weighted Tung Ngau Au YMCA of Hong Kong Lung Tseng equivalent NMS-CA-7 Estate Once per week Christian College dho Tau NMS-CA-7 continuous sound alþe NMS-CA-8 Caritas Charles Vath pressure level L<sub>ea</sub> NMS-CA-8 College (Roof Floor) Hong Chi Shiu Pong NMS-CA-9 Morninghope School (Roof Floor) Shek Lau Po Mok Ka Shek Mun Kap Road NMS-CA-NMS-CA-6 Shek Mun Kap Village Ma Wan Chung

### **EM&A Monitoring – Noise**

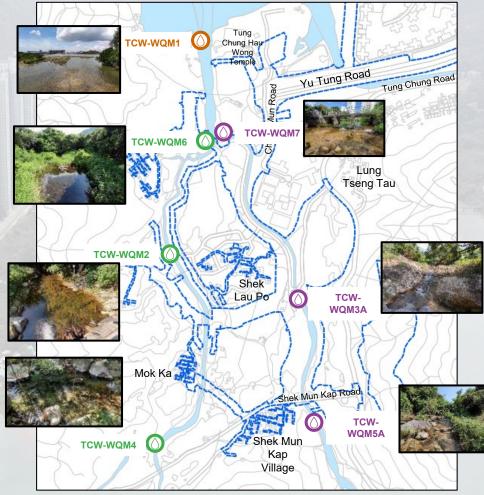
Statistics of Exceedance from Oct 2023 to Feb 2024



Exceedance as recorded in the reporting period was due to the receipt of noise complaint

### **EM&A Monitoring – Water Quality**

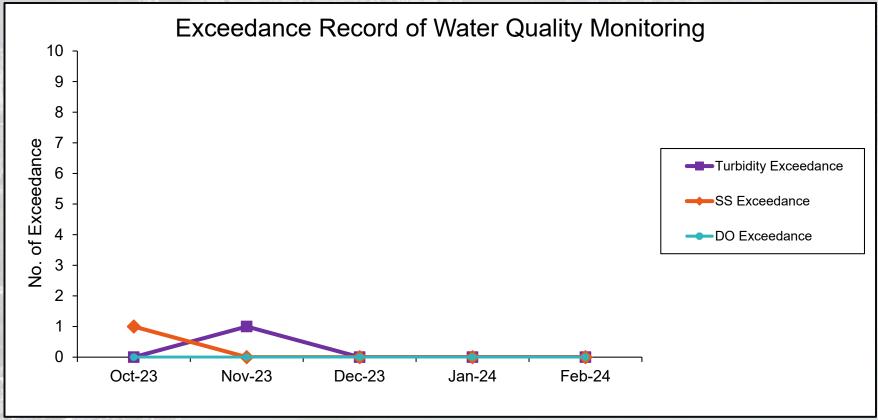
| ID             | Description                                  | Monitoring<br>Parameter  | Monitoring<br>Frequency |  |
|----------------|--|--|-------------------------|--|
| TCW-WQM-1      | Downstream of<br>Tung Chung Stream           |  |                         |  |
| TCW-WQM-2      | Middle of Tung<br>Chung Stream<br>(West)     |  |                         |  |
| TCW-WQM-<br>3A | Middle of Tung<br>Chung Stream<br>(East)     | <ul> <li>Temperatu<br/>re</li> <li>Salinity</li> <li>Conductivit<br/>y</li> <li>pH</li> <li>Dissolved<br/>Oxygen</li> <li>Turbidity</li> <li>Suspended<br/>Solids</li> </ul> | 3 days per week         |  |
| TCW-WQM-4      | Upstream of Tung<br>Chung Stream<br>(West)   |  |                         |  |
| TCW-WQM-<br>5A | Upstream of Tung<br>Chung Stream<br>(East)   |  |                         |  |
| TCW-WQM-6      | Downstream of<br>Tung Chung Stream<br>(West) |  |                         |  |
| TCW-WQM-7      | Downstream of<br>Tung Chung Stream<br>(East) |  |                         |  |



Stream water quality monitoring location (River Mouth)
 Stream water quality monitoring location (West Tributary)
 Stream water quality monitoring location (East Tributary)

### **EM&A Monitoring – Water Quality**

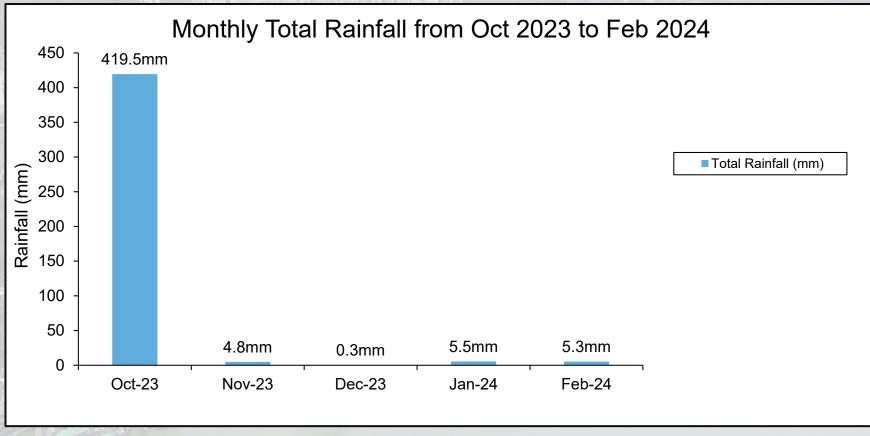
Statistics of Exceedance from Oct 2023 to Feb 2024



- 1. Impact monitoring is carried out at seven stations for three times per week.
- 2. Exceedances as recorded in the reporting period were mainly due to the inclement weather.

### **EM&A Monitoring – Water Quality**

Statistics of Exceedance from Oct 2023 to Feb 2024



Note: Monthly rainfall data was extracted from the manned weather station located at Hong Kong International Airport by Hong Kong Observatory.

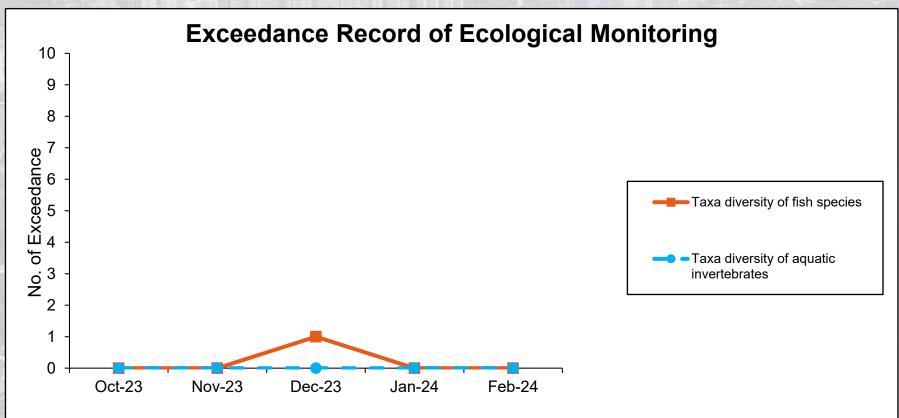
| EM    | I&A Mo                  | onit               | toring                 | g – Eco  | logy  | y   |
|-------|-------------------------|--------------------|------------------------|--|---|---|
| ID    |                         | script             |                        | Monitorir<br>Paramete                                | ng  | Monitoring<br>Frequency                           |
| RP1   |                         | rvatioi<br>Iral Se | n Zone<br>ection)      |  |   |   |
| RP2   | 2 Upstream              | n of R             | iver Park              |  |   |   |
| RP3   | ξ                       |                    | n Zone<br>Section)     |  |   |   |
| RP4   | Downs                   | ream<br>Park       | of River               | Water Qual   | ity <sup>[Note]</sup>   | Once per month                                    |
| PW1   | 1 Near I                | Public             | Works                  | <ul> <li>Taxa divers</li> <li>Fish Specie</li> </ul> |   |   |
| PW2   | 2 Near F                | Public             | Works                  | Aquatic  |   |   |
| PW3   | 3 Near I                | Public             | Works                  | Invertebrate   | e   |   |
| PW4   | 4 Near I                | Public             | Works                  |  |   | Baseline monitoring                               |
| PW5   | 5 Near I                | Public             | Works                  |  |   | was commenced in<br>May 2023 in bi-               |
| PW6   | 6 Near I                | Public             | Works                  |  |   | monthly basis                                     |
| Notes |                         |                    | 1                      |  |   |   |
|       | рΗ                      |                    | Ammonia a              |  |   |   |
|       | Salinity<br>Femperature |                    | Total Kjeld<br>E. Coli | lahl Nitrogen  |   |   |
|       | Turbidity               |                    | Biochemic              | al Oxygen  |   |   |
|       | and the set             |                    | Demand                 |  |   |   |
|       | Dissolved<br>Dxygen     |                    | Chemical (<br>Demand   | Dxygen   |   |   |
|       | Suspended<br>Solids     | •                  | Oil & Grea             | se   | and the second se | gical Monitoring at the n<br>vith the commencemen |

55

2023 with the commencement of temporary river diversion in Tung Chung Stream.

### **EM&A Monitoring – Ecology**

Statistics of Exceedance from Oct 2023 to Feb 2024



1. Exceedance as recorded in the reporting period was mainly due to seasonal variation.

### **Complaint Received**

| Month                   | Air  | Noise                            | Water | Others<br>(Waste, Ecology,<br>Landscape and Visual) |
|-------------------------|--|----------------------------------|-------|---|
| Oct-2023                | 0  | 0                                | 0     | 0   |
| Nov-2023                | 1  | 0                                | 0     | 0   |
| Dec-2023                | 0  | 0                                | 0     | 0   |
| Jan-2024                | 1  | 0                                | 0     | 0   |
| Feb-2024                | 0  | 1                                | 0     | 0   |
| Nature of<br>Complaints | <ul> <li>Construction dust<br/>from construction<br/>sites at Chung Mun<br/>Road and near<br/>Ngau Au Village</li> </ul> | Chung Yan Road construction site |       |   |

# Thank you