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港珠澳大橋香港工程管理處
Hong Kong - Zhuhai - Macao Bridge
Hong Kong Project Management Office

## Contract No. HY/2011/03

# Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities

# Monthly EM&A Report No.73 (October 2018)

**13 November 2018**

**Revision 1**

**Main Contractor**

中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

**Designer**

ATKINS
Member of the SNC-Lavalin Group

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## Executive Summary

The Hong Kong-Zhuhai-Macao Bridge (HZMB) Hong Kong Link Road (HKLR) serves to connect the HZMB Main Bridge at the Hong Kong Special Administrative Region (HKSAR) Boundary and the HZMB Hong Kong Boundary Crossing Facilities (HKBCF) located at the north eastern waters of the Hong Kong International Airport (HKIA).

The HKLR project has been separated into two contracts. They are Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road-Section between Scenic Hill and Hong Kong Boundary Crossing Facilities (hereafter referred to as the Contract) and Contract No. HY/2011/09 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road-Section between HKSAR Boundary and Scenic Hill.

China State Construction Engineering (Hong Kong) Ltd. was awarded by Highways Department as the Contractor to undertake the construction works of Contract No. HY/2011/03. The main works of the Contract include land tunnel at Scenic Hill, tunnel underneath Airport Road and Airport Express Line, reclamation and tunnel to the east coast of the Airport Island, at-grade road connecting to the HKBCF and highway works of the HKBCF within the Airport Island and in the vicinity of the HKLR reclamation. The Contract is part of the HKLR Project and HKBCF Project, these projects are considered to be "Designated Projects", under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap 499) and Environmental Impact Assessment (EIA) Reports (Register No. AEIAR-144/2009 and AEIAR-145/2009) were prepared for the Project. The current Environmental Permit (EP) EP-352/2009/D for HKLR and EP-353/2009/K for HKBCF were issued on 22 December 2014 and 11 April 2016, respectively. These documents are available through the EIA Ordinance Register. The construction phase of Contract was commenced on 17 October 2012.

BMT Hong Kong Limited has been appointed by the Contractor to implement the Environmental Monitoring & Audit (EM&A) programme for the Contract in accordance with the Updated EM&A Manual for HKLR (Version 1.0) and will be providing environmental team services to the Contract.

This is the seventy-third Monthly EM&A report for the Contract which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 31 October 2018.

### Environmental Monitoring and Audit Progress

The monthly EM&A programme was undertaken in accordance with the Updated EM&A Manual for HKLR (Version 1.0). A summary of the monitoring activities during this reporting month is listed below:

| | |
|---|---|
| 1-hr TSP Monitoring | 2, 5, 11, 16, 22 and 26 October 2018 |
| 24-hr TSP Monitoring | 4, 10, 15, 19, 25 and 31 October 2018 |
| Noise Monitoring | 2, 11, 18 and 22 October 2018 |
| Water Quality Monitoring | 1, 3, 5, 8, 10, 12, 15, 17, 19, 22, 24, 26, 29 and 31 October 2018 |
| Chinese White Dolphin Monitoring | 4, 11, 16 and 18 October 2018 |
| Mudflat Monitoring (Ecology) | 20, 23 September 2018 and 6, 7, 20, 21 October 2018 |
| Site Inspection | 3, 10, 16, and 26 October 2018 |

Due to bad weather condition, the noise monitoring was rescheduled from 16 October 2018 to 18 October 2018.

Due to boat unavailability, the dolphin monitoring was rescheduled from 23 October 2018 to 18 October 2018.

Thunderstorm Warning was issued by the Hong Kong Observatory on 6, 7, 8 September 2018. The mudflat monitoring on 6, 7, 8 September 2018 was cancelled due to safety reason. The mudflat monitoring was rescheduled to 20, 23 September 2018 and 6, 7, 20, 21 October 2018.

**Breaches of Action and Limit Levels**

A summary of environmental exceedances for this reporting month is as follows:

| Environmental Monitoring | Parameters | Action Level (AL) | Limit Level (LL) |
|---|---|---|---|
| Air Quality | 1-hr TSP | 3 | 0 |
| | 24-hr TSP | 0 | 0 |
| Noise | $L_{eq\ (30\ min)}$ | 0 | 0 |
| Water Quality | Suspended solids level (SS) | 1 | 0 |
| | Turbidity level | 0 | 0 |
| | Dissolved oxygen level (DO) | 0 | 0 |

**Complaint Log**

There was no complaint received in relation to the environmental impacts during this reporting month.

**Notifications of Summons and Prosecutions**

There were no notifications of summons or prosecutions received during this reporting month.

**Reporting Changes**

This report has been developed in compliance with the reporting requirements for the subsequent EM&A reports as required by the Updated EM&A Manual for HKLR (Version 1.0).

The proposal for the change of Action Level and Limit Level for suspended solid and turbidity was approved by EPD on 25 March 2013.

The revised Event and Action Plan for dolphin monitoring was approved by EPD on 6 May 2013.

The original monitoring station at IS(Mf)9 (Coordinate: 813273E, 818850N) was observed inside the perimeter silt curtain of Contract HY/2010/02 on 1 July 2013, as such the original impact water quality monitoring location at IS(Mf)9 was temporarily shifted outside the silt curtain. As advised by the Contractor of HY/2010/02 in August 2013, the perimeter silt curtain was shifted to facilitate safe anchorage zone of construction barges/vessels until end of 2013 subject to construction progress. Therefore, water quality monitoring station IS(Mf)9 was shifted to 813226E and 818708N since 1 July 2013. According to the water quality monitoring team's observation on 24 March 2014, the original monitoring location of IS(Mf)9 was no longer enclosed by the perimeter silt curtain of Contract HY/2010/02. Thus, the impact water quality monitoring works at the original monitoring location of IS(Mf)9 has been resumed since 24 March 2014.

Transect lines 1, 2, 7, 8, 9 and 11 for dolphin monitoring have been revised due to the obstruction of the permanent structures associated with the construction works of HKLR and the southern viaduct of TM-CLKL, as well as provision of adequate buffer distance from the Airport Restricted Areas. The EPD issued a memo and confirmed that they had no objection on the revised transect lines on 19 August 2015.

The water quality monitoring stations at IS10 (Coordinate: 812577E, 820670N) and SR5 (811489E, 820455N) are located inside Hong Kong International Airport (HKIA) Approach Restricted Areas. The previously granted Vessel's Entry Permit for accessing stations IS10 and SR5 were expired on 31 December 2016. During the permit renewing process, the water quality monitoring location was shifted to IS10(N) (Coordinate: 813060E, 820540N) and SR5(N) (Coordinate: 811430E, 820978N) on 2, 4 and 6 January 2017 temporarily. The permit has been granted by Marine Department on 6 January 2017. Thus, the impact water quality monitoring works at original monitoring location of IS10 and SR5 has been resumed since 9 January 2017.

Transect lines 2, 3, 4, 5, 6 and 7 for dolphin monitoring have been revised and transect line 24 has been added due to the presence of a work zone to the north of the airport platform with intense construction activities in association with the construction of the third runway expansion for the Hong Kong International Airport. The EPD issued a memo and confirmed that they had no objection on the revised

transect lines on 28 July 2017. The alternative dolphin transect lines are adopted starting from August's dolphin monitoring.

A new water quality monitoring team has been employed for carrying out water quality monitoring work for the Contract starting from 23 August 2017. Due to marine work of the Expansion of Hong Kong International Airport into a Three-Runway System (3RS Project), original locations of water quality monitoring stations CS2, SR5 and IS10 are enclosed by works boundary of 3RS Project. Alternative impact water quality monitoring stations, naming as CS2(A), SR5(N) and IS10(N) was approved on 28 July 2017 and were adopted starting from 23 August 2017 to replace the original locations of water quality monitoring for the Contract.

The role and responsibilities as the ET Leader of the Contract was temporarily taken up by Mr Willie Wong instead of Ms Claudine Lee from 25 September 2017 to 31 December 2017.

Water quality monitoring station SR10A(N) (Coordinate: 823644E, 823484N) was unreachable on 4 October 2017 during flood tide as fishing activities were observed. As such, the water monitoring at station SR10A(N) was conducted at Coordinate: 823484E, 823593N during flood tide on 4 October 2017 temporarily.

The topographical condition of the water monitoring stations SR3 (Coordinate: 810525E, 816456N), SR4 (Coordinate: 814760E, 817867N), SR10A (Coordinate: 823741E, 823495N) and SR10B (Coordinate: 823686E, 823213N) cannot be accessed safely for undertaking water quality monitoring. The water quality monitoring has been temporarily conducted at alternative stations, namely SR3(N) (Coordinate 810689E, 816591N), SR4(N) (Coordinate: 814705E, 817859N) and SR10A(N) (Coordinate: 823644E, 823484N) since 1 September 2017. The water quality monitoring at station SR10B was temporarily conducted at Coordinate: 823683E, 823187N on 1, 4, 6, 8 September 2017 and has been temporarily fine-tuned to alternative station SR10B(N2) (Coordinate: 823689E, 823159N) since 11 September 2017. Proposal for permanently relocating the aforementioned stations was approved by EPD on 8 January 2018.

According to latest information received in July 2018, the works area WA7 was handed over to other party on 28 February 2018 instead of 31 January 2018.

The future key issues include potential noise, air quality, water quality and ecological impacts and waste management arising from the following construction activities to be undertaken in the upcoming month:

- Dismantling/ trimming of Temporary 40mm Stone Platform for Construction of Seawall at Portion X;
- Construction of Seawall at Portion X;
- Loading and Unloading Filling Materials at Portion X;
- Backfilling at Scenic Hill Tunnel (Cut & Cover Tunnel) at Portion X;
- Works for Diversion of Airport Road;
- Establishment of Site Access at Airport Road / Airport Express Line/ East Coast Road;
- E&M/ Backfilling works for HKBCF to Airport Tunnel West (Cut & Cover Tunnel) at Airport Road;
- E&M/ Backfilling works for HKBCF to Airport Tunnel East (Cut & Cover Tunnel) at Portion X;
- Finishing Works for Highway Operation and Maintenance Area Building at Portion X; and
- Finishing Works for Scenic Hill Tunnel West Portal Ventilation building at West Portal.

# 1 Introduction

## 1.1 Basic Project Information

1.1.1 The Hong Kong-Zhuhai-Macao Bridge (HZMB) Hong Kong Link Road (HKLR) serves to connect the HZMB Main Bridge at the Hong Kong Special Administrative Region (HKSAR) Boundary and the HZMB Hong Kong Boundary Crossing Facilities (HKBCF) located at the north eastern waters of the Hong Kong International Airport (HKIA).

1.1.2 The HKLR project has been separated into two contracts. They are Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road-Section between Scenic Hill and Hong Kong Boundary Crossing Facilities (hereafter referred to as the Contract) and Contract No. HY/2011/09 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road-Section between HKSAR Boundary and Scenic Hill.

1.1.3 China State Construction Engineering (Hong Kong) Ltd. was awarded by Highways Department (HyD) as the Contractor to undertake the construction works of Contract No. HY/2011/03. The Contract is part of the HKLR Project and HKBCF Project, these projects are considered to be "Designated Projects", under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap 499) and Environmental Impact Assessment (EIA) Reports (Register No. AEIAR-144/2009 and AEIAR-145/2009) were prepared for the Project. The current Environmental Permit (EP) EP-352/2009/D for HKLR and EP-353/2009/K for HKBCF were issued on 22 December 2014 and 11 April 2016, respectively. These documents are available through the EIA Ordinance Register. The construction phase of Contract was commenced on 17 October 2012. The works area WA7 was handed over to other party on 28 February 2018. **Figure 1.1** shows the project site boundary. The works areas are shown in **Appendix O**.

1.1.4 The Contract includes the following key aspects:

- New reclamation along the east coast of the approximately 23 hectares.
- Tunnel of Scenic Hill (Tunnel SHT) from Scenic Hill to the new reclamation, of approximately 1km in length with three (3) lanes for the east bound carriageway heading to the HKBCF and four (4) lanes for the westbound carriageway heading to the HZMB Main Bridge.
- An abutment of the viaduct portion of the HKLR at the west portal of Tunnel SHT and associated road works at the west portal of Tunnel SHT.
- An at grade road on the new reclamation along the east coast of the HKIA to connect with the HKBCF, of approximately 1.6 km along dual 3-lane carriageway with hard shoulder for each bound.
- Road links between the HKBCF and the HKIA including new roads and the modification of existing roads at the HKIA, involving viaducts, at grade roads and a Tunnel HAT.
- A highway operation and maintenance area (HMA) located on the new reclamation, south of the Dragonair Headquarters Building, including the construction of buildings, connection roads and other associated facilities.
- Associated civil, structural, building, geotechnical, marine, environmental protection, landscaping, drainage and sewerage, tunnel and highway electrical and mechanical works, together with the installation of street lightings, traffic aids and sign gantries, water mains and fire hydrants, provision of facilities for installation of traffic control and surveillance system (TCSS), reprovisioning works of affected existing facilities, implementation of transplanting, compensatory planting and protection of existing trees, and implementation of an environmental monitoring and audit (EM&A) program.

1.1.5 This is the seventy-third Monthly EM&A report for the Contract which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 31 October 2018.

1.1.6 BMT Hong Kong Limited has been appointed by the Contractor to implement the EM&A programme for the Contract in accordance with the Updated EM&A Manual for HKLR (Version

1.0) for HKLR and will be providing environmental team services to the Contract. Ramboll Hong Kong Limited was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) for the Project. The project organization with regard to the environmental works is as follows.

## 1.2 Project Organisation

1.2.1 The project organization structure and lines of communication with respect to the on-site environmental management structure is shown in **Appendix A**. The key personnel contact names and numbers are summarized in **Table 1.1**.

**Table 1.1 Contact Information of Key Personnel**

| Party | Position | Name | Telephone | Fax |
|---|---|---|---|---|
| Supervising Officer's Representative (Ove Arup & Partners Hong Kong Limited) | (Chief Resident Engineer, CRE) | Robert Antony Evans | 3968 0801 | 2109 1882 |
| Environmental Project Office / Independent Environmental Checker (Ramboll Hong Kong Limited) | Environmental Project Office Leader | Y. H. Hui | 3465 2888 | 3465 2899 |
| | Independent Environmental Checker | Antony Wong | 3465 2888 | 3465 2899 |
| Contractor (China State Construction Engineering (Hong Kong) Ltd) | Project Manager | S. Y. Tse | 3968 7002 | 2109 2588 |
| | Environmental Officer | Federick Wong | 3968 7117 | 2109 2588 |
| Environmental Team (BMT Hong Kong Limited) | Environmental Team Leader | Claudine Lee | 2241 9847 | 2815 3377 |
| 24 hours complaint hotline | --- | --- | 5699 5730 | --- |

## 1.3 Construction Programme

1.3.1 A copy of the Contractor's construction programme is provided in **Appendix B**.

## 1.4 Construction Works Undertaken During the Reporting Month

1.4.1 A summary of the construction activities undertaken during this reporting month is shown in **Table 1.2.**

**Table 1.2 Construction Activities During Reporting Month**

| Description of Activities | Site Area |
|---|---|
| Dismantling/trimming of temporary 40mm stone platform for construction of seawall | Portion X |
| Construction of seawall | Portion X |
| Loading and unloading of filling materials | Portion X |
| Backfilling at Scenic Hill Tunnel (Cut & Cover Tunnel) | Portion X |
| Works for diversion | Airport Road |
| Establishment of site access | Airport Road/ Airport Express Line/ East Coast Road |
| E&M/ Backfilling/ Bitumen works for HKBCF to Airport Tunnel West (Cut & Cover Tunnel) | Airport Road |
| E&M/ Backfilling/ Bitumen works for HKBCF to Airport Tunnel East (Cut & Cover Tunnel) | Portion X |
| Finishing works for Highway Operation and Maintenance Area Building | Portion X |
| Finishing works for Scenic Hill Tunnel West Portal Ventilation building | West Portal |

# 2 Air Quality Monitoring

## 2.1 Monitoring Requirements

2.1.1 In accordance with the Contract Specific EM&A Manual, baseline 1-hour and 24-hour TSP levels at two air quality monitoring stations were established. Impact 1-hour TSP monitoring was conducted for at least three times every 6 days, while impact 24-hour TSP monitoring was carried out for at least once every 6 days. The Action and Limit Level for 1-hr TSP and 24-hr TSP are provided in **Table 2.1** and **Table 2.2**, respectively.

**Table 2.1 Action and Limit Levels for 1-hour TSP**

| Monitoring Station | Action Level, μg/m$^3$ | Limit Level, μg/m$^3$ |
|---|---|---|
| AMS 5 – Ma Wan Chung Village (Tung Chung) | 352 | 500 |
| AMS 6 – Dragonair / CNAC (Group) Building (HKIA) | 360 | |

**Table 2.2 Action and Limit Levels for 24-hour TSP**

| Monitoring Station | Action Level, μg/m$^3$ | Limit Level, μg/m$^3$ |
|---|---|---|
| AMS 5 – Ma Wan Chung Village (Tung Chung) | 164 | 260 |
| AMS 6 – Dragonair / CNAC (Group) Building (HKIA) | 173 | 260 |

## 2.2 Monitoring Equipment

2.2.1 24-hour TSP air quality monitoring was performed using High Volume Sampler (HVS) located at each designated monitoring station. The HVS meets all the requirements of the Contract Specific EM&A Manual. Portable direct reading dust meters were used to carry out the 1-hour TSP monitoring. Brand and model of the equipment is given in **Table 2.3**.

**Table 2.3 Air Quality Monitoring Equipment**

| Equipment | Brand and Model |
|---|---|
| Portable direct reading dust meter (1-hour TSP) | Sibata Digital Dust Monitor (Model No. LD-3B) |
| High Volume Sampler (24-hour TSP) | Tisch Environmental Mass Flow Controlled Total Suspended Particulate (TSP) High Volume Air Sampler (Model No. TE-5170) |

## 2.3 Monitoring Locations

2.3.1 Monitoring locations AMS5 and AMS6 were set up at the proposed locations in accordance with Contract Specific EM&A Manual.

2.3.2 **Figure 2.1** shows the locations of monitoring stations. **Table 2.4** describes the details of the monitoring stations.

**Table 2.4 Locations of Impact Air Quality Monitoring Stations**

| Monitoring Station | Location |
|---|---|
| AMS5 | Ma Wan Chung Village (Tung Chung) |
| AMS6 | Dragonair / CNAC (Group) Building (HKIA) |

## 2.4 Monitoring Parameters, Frequency and Duration

2.4.1 **Table 2.5** summarizes the monitoring parameters, frequency and duration of impact TSP monitoring.

**Table 2.5 Air Quality Monitoring Parameters, Frequency and Duration**

| Parameter | Frequency and Duration |
|---|---|
| 1-hour TSP | Three times every 6 days while the highest dust impact was expected |
| 24-hour TSP | Once every 6 days |

## 2.5 Monitoring Methodology

2.5.1 24-hour TSP Monitoring

(a) The HVS was installed in the vicinity of the air sensitive receivers. The following criteria were considered in the installation of the HVS.

(i) A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.

(ii) The distance between the HVS and any obstacles, such as buildings, was at least twice the height that the obstacle protrudes above the HVS.

(iii) A minimum of 2 meters separation from walls, parapets and penthouse for rooftop sampler was provided.

(iv) No furnace or incinerator flues are nearby.

(v) Airflow around the sampler was unrestricted.

(vi) Permission was obtained to set up the samplers and access to the monitoring stations.

(vii) A secured supply of electricity was obtained to operate the samplers.

(viii) The sampler was located more than 20 meters from any dripline.

(ix) Any wire fence and gate, required to protect the sampler, did not obstruct the monitoring process.

(x) Flow control accuracy was kept within ±2.5% deviation over 24-hour sampling period.

(b) Preparation of Filter Papers

(i) Glass fibre filters, G810 were labelled and sufficient filters that were clean and without pinholes were selected.

(ii) All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ±3 °C; the relative humidity (RH) was < 50% and not variable by more than ±5%. A convenient working RH was 40%.

(iii) All filter papers were prepared and analysed by ALS Technichem (HK) Pty Ltd., which is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.

(c) Field Monitoring

(i) The power supply was checked to ensure the HVS works properly.

(ii) The filter holder and the area surrounding the filter were cleaned.

(iii) The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.

(iv) The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.

(v) The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied was sufficient to avoid air leakage at the edges.

(vi) Then the shelter lid was closed and was secured with the aluminium strip.

(vii) The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.

(viii) A new flow rate record sheet was set into the flow recorder.

(ix) On site temperature and atmospheric pressure readings were taken and the flow rate of the HVS was checked and adjusted at around 1.1 $m^3$/min, and complied with the range specified in the Updated EM&A Manual for HKLR (Version 1.0) (i.e. 0.6-1.7 $m^3$/min).

(x) The programmable digital timer was set for a sampling period of 24 hours, and the starting time, weather condition and the filter number were recorded.

(xi) The initial elapsed time was recorded.

(xii) At the end of sampling, on site temperature and atmospheric pressure readings were taken and the final flow rate of the HVS was checked and recorded.

(xiii) The final elapsed time was recorded.

(xiv) The sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.

(xv) It was then placed in a clean plastic envelope and sealed.

(xvi) All monitoring information was recorded on a standard data sheet.

(xvii) Filters were then sent to ALS Technichem (HK) Pty Ltd. for analysis.

(d) Maintenance and Calibration

(i) The HVS and its accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.

(ii) 5-point calibration of the HVS was conducted using TE-5025A Calibration Kit prior to the commencement of baseline monitoring. Bi-monthly 5-point calibration of the HVS will be carried out during impact monitoring.

(iii) Calibration certificate of the HVSs are provided in **Appendix C**.

2.5.2 1-hour TSP Monitoring

(a) Measuring Procedures

The measuring procedures of the 1-hour dust meter were in accordance with the Manufacturer's Instruction Manual as follows:-

(i) Turn the power on.

(ii) Close the air collecting opening cover.

(iii) Push the "TIME SETTING" switch to [BG].

(iv) Push "START/STOP" switch to perform background measurement for 6 seconds.

(v) Turn the knob at SENSI ADJ position to insert the light scattering plate.

(vi) Leave the equipment for 1 minute upon "SPAN CHECK" is indicated in the display.

(vii) Push "START/STOP" switch to perform automatic sensitivity adjustment. This measurement takes 1 minute.

(viii) Pull out the knob and return it to MEASURE position.

(ix) Push the "TIME SETTING" switch the time set in the display to 3 hours.

(x) Lower down the air collection opening cover.

(xi) Push "START/STOP" switch to start measurement.

(b) Maintenance and Calibration

(i) The 1-hour TSP meter was calibrated at 1-year intervals against a Tisch Environmental Mass Flow Controlled Total Suspended Particulate (TSP) High Volume Air Sampler. Calibration certificates of the Laser Dust Monitors are provided in **Appendix C**.

## 2.6 Monitoring Schedule for the Reporting Month

2.6.1 The schedule for air quality monitoring in October 2018 is provided in **Appendix D**.

## 2.7 Monitoring Results

2.7.1 The monitoring results for 1-hour TSP and 24-hour TSP are summarized in **Tables 2.6** and **2.7** respectively. Detailed impact air quality monitoring results and relevant graphical plots are presented in **Appendix E**.

**Table 2.6 Summary of 1-hour TSP Monitoring Results During the Reporting Month**

| Monitoring Station | Average (μg/m³) | Range (μg/m³) | Action Level (μg/m³) | Limit Level (μg/m³) |
|---|---|---|---|---|
| AMS5 | 116 | 45 – 370 | 352 | 500 |
| AMS6 | 83 | 48 – 193 | 360 | 500 |

**Table 2.7 Summary of 24-hour TSP Monitoring Results During the Reporting Month**

| Monitoring Station | Average (μg/m³) | Range (μg/m³) | Action Level (μg/m³) | Limit Level (μg/m³) |
|---|---|---|---|---|
| AMS5 | 66 | 45 – 92 | 164 | 260 |
| AMS6 | 71 | 44 – 102 | 173 | 260 |

2.7.2 Three Action Level exceedances of 1-hr TSP were recorded at AMS5 during the reporting month. No Limit Level exceedance of 24-hrTSP were recorded at AMS5 during the reporting month. No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at AMS6 during the reporting month. Records of "Notification of Environmental Quality Limit Exceedances" are provided in **Appendix N**.

2.7.3 The event action plan is annexed in **Appendix F**.

2.7.4 The wind data obtained from the on-site weather station during the reporting month is shown in **Appendix G**.

# 3 Noise Monitoring

## 3.1 Monitoring Requirements

3.1.1 In accordance with the Contract Specific EM&A Manual, impact noise monitoring was conducted for at least once per week during the construction phase of the Project. The Action and Limit level of the noise monitoring is provided in **Table 3.1**.

**Table 3.1 Action and Limit Levels for Noise during Construction Period**

| Monitoring Station | Time Period | Action Level | Limit Level |
|---|---|---|---|
| NMS5 – Ma Wan Chung Village (Ma Wan Chung Resident Association) (Tung Chung) | 0700-1900 hours on normal weekdays | When one documented complaint is received | 75 dB(A) |

## 3.2 Monitoring Equipment

3.2.1 Noise monitoring was performed using sound level meters at each designated monitoring station. The sound level meters deployed comply with the International Electrotechnical Commission Publications (IEC) 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator was deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment are given in **Table 3.2**.

**Table 3.2 Noise Monitoring Equipment**

| Equipment | Brand and Model |
|---|---|
| Integrated Sound Level Meter | B&K 2238 |
| Acoustic Calibrator | B&K 4231 |

## 3.3 Monitoring Locations

3.3.1 Monitoring location NMS5 was set up at the proposed locations in accordance with Contract Specific EM&A Manual.

3.3.2 **Figure 2.1** shows the locations of monitoring stations. **Table 3.3** describes the details of the monitoring stations.

**Table 3.3 Locations of Impact Noise Monitoring Stations**

| Monitoring Station | Location |
|---|---|
| NMS5 | Ma Wan Chung Village (Ma Wan Chung Resident Association) (Tung Chung) |

## 3.4 Monitoring Parameters, Frequency and Duration

3.4.1 **Table 3.4** summarizes the monitoring parameters, frequency and duration of impact noise monitoring.

**Table 3.4 Noise Monitoring Parameters, Frequency and Duration**

| Parameter | Frequency and Duration |
|---|---|
| 30-mins measurement at each monitoring station between 0700 and 1900 on normal weekdays (Monday to Saturday). $L_{eq}$, $L_{10}$ and $L_{90}$ would be recorded. | At least once per week |

## 3.5 Monitoring Methodology

3.5.1 Monitoring Procedure

(a) The sound level meter was set on a tripod at a height of 1.2 m above the podium for free-field measurements at NMS5. A correction of +3 dB(A) shall be made to the free field measurements.

(b) The battery condition was checked to ensure the correct functioning of the meter.

(c) Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:-

(i) frequency weighting: A

(ii) time weighting: Fast

(iii) time measurement: $L_{eq(30\text{-}minutes)}$ during non-restricted hours i.e. 07:00 – 1900 on normal weekdays

(d) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94.0 dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.

(e) During the monitoring period, the $L_{eq}$, $L_{10}$ and $L_{90}$ were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.

(f) Noise measurement was paused during periods of high intrusive noise (e.g. dog barking, helicopter noise) if possible. Observations were recorded when intrusive noise was unavoidable.

(g) Noise monitoring was cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind with gusts exceeding 10m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

3.5.2 Maintenance and Calibration

(a) The microphone head of the sound level meter was cleaned with soft cloth at regular intervals.

(b) The meter and calibrator were sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.

(c) Calibration certificates of the sound level meters and acoustic calibrators are provided in **Appendix C**.

## 3.6 Monitoring Schedule for the Reporting Month

3.6.1 The schedule for construction noise monitoring in October 2018 is provided in **Appendix D**.

## 3.7 Monitoring Results

3.7.1 The monitoring results for construction noise are summarized in **Table 3.5** and the monitoring results and relevant graphical plots are provided in **Appendix E.**

**Table 3.5 Summary of Construction Noise Monitoring Results During the Reporting Month**

| Monitoring Station | Average $L_{eq\ (30\ mins)}$, dB(A) | Range of $L_{eq\ (30\ mins)}$, dB(A) | Limit Level $L_{eq\ (30\ mins)}$, dB(A) |
|---|---|---|---|
| NMS5 | 59 | 58 – 61 | 75 |

*A correction factor of +3dB(A) from free field to facade measurement was included.

3.7.2 There were no Action and Limit Level exceedances for noise during daytime on normal weekdays of the reporting month.

3.7.3 The event action plan is annexed in **Appendix F.**

# 4 Water Quality Monitoring

## 4.1 Monitoring Requirements

4.1.1 Impact water quality monitoring was carried out to ensure that any deterioration of water quality is detected, and that timely action is taken to rectify the situation. For impact water quality monitoring, measurements were taken in accordance with the Contract Specific EM&A Manual. **Table 4.1** shows the established Action/Limit Levels for the environmental monitoring works. The ET proposed to amend the Acton Level and Limit Level for turbidity and suspended solid and EPD approved ET's proposal on 25 March 2013. Therefore, Action Level and Limit Level for the Contract have been changed since 25 March 2013.

4.1.2 The original and revised Action Level and Limit Level for turbidity and suspended solid are shown in **Table 4.1**.

**Table 4.1 Action and Limit Levels for Water Quality**

| Parameter (unit) | Water Depth | Action Level | Limit Level |
|---|---|---|---|
| Dissolved Oxygen (mg/L) (surface, middle and bottom) | Surface and Middle | 5.0 | 4.2 except 5 for Fish Culture Zone |
| | Bottom | 4.7 | 3.6 |
| Turbidity (NTU) | Depth average | 27.5 or 120% of upstream control station's turbidity at the same tide of the same day;<br>The action level has been amended to "27.5 ***and*** 120% of upstream control station's turbidity at the same tide of the same day" since 25 March 2013. | 47.0 or 130% of turbidity at the upstream control station at the same tide of same day;<br>The limit level has been amended to "47.0 ***and*** 130% of turbidity at the upstream control station at the same tide of same day" since 25 March 2013. |
| Suspended Solid (SS) (mg/L) | Depth average | 23.5 or 120% of upstream control station's SS at the same tide of the same day;<br>The action level has been amended to "23.5 ***and*** 120% of upstream control station's SS at the same tide of the same day" since 25 March 2013. | 34.4 or 130% of SS at the upstream control station at the same tide of same day and 10mg/L for Water Services Department Seawater Intakes;<br>The limit level has been amended to "34.4 ***and*** 130% of SS at the upstream control station at the same tide of same day and 10mg/L for Water Services Department Seawater Intakes" since 25 March 2013 |

Notes:
(1) Depth-averaged is calculated by taking the arithmetic means of reading of all three depths.
(2) For DO, non-compliance of the water quality limit occurs when monitoring result is lower that the limit.
(3) For SS & turbidity non-compliance of the water quality limits occur when monitoring result is higher than the limits.

(4) The change to the Action and limit Levels for Water Quality Monitoring for the EM&A works was approved by EPD on 25 March 2013.

## 4.2 Monitoring Equipment

4.2.1 **Table 4.2** summarizes the equipment used in the impact water quality monitoring programme.

**Table 4.2 Water Quality Monitoring Equipment**

| Equipment | Brand and Model |
|---|---|
| DO and Temperature Meter, Salinity Meter, Turbidimeter and pH Meter | YSI Model 6820 |
| Positioning Equipment | JRC DGPS 224 Model JLR-4341 with J-NAV 500 Model NWZ4551 |
| Water Depth Detector | Eagle Cuda-168 and Lowrance x-4 |
| Water Sampler | Kahlsio Water Sampler (Vertical) 2.2 L with messenger |

## 4.3 Monitoring Parameters, Frequency and Duration

4.3.1 **Table 4.3** summarizes the monitoring parameters, frequency and monitoring depths of impact water quality monitoring as required in the Contract Specific EM&A Manual.

**Table 4.3 Impact Water Quality Monitoring Parameters and Frequency**

| Monitoring Stations | Parameter, unit | Frequency | No. of depth |
|---|---|---|---|
| Impact Stations:<br>IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 & IS10,<br><br>Control/Far Field Stations:<br>CS2 & CS(Mf)5,<br><br>Sensitive Receiver Stations:<br>SR3, SR4, SR5, SR10A & SR10B | • Depth, m<br>• Temperature, °C<br>• Salinity, ppt<br>• Dissolved Oxygen (DO), mg/L<br>• DO Saturation, %<br>• Turbidity, NTU<br>• pH<br>• Suspended Solids (SS), mg/L | Three times per week during mid-ebb and mid-flood tides (within ± 1.75 hour of the predicted time) | 3<br>(1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth is less than 6 m, in which case the mid-depth station may be omitted. Should the water depth be less than 3 m, only the mid-depth station will be monitored). |

## 4.4 Monitoring Locations

4.4.1 In accordance with the Contract Specific EM&A Manual, thirteen stations (6 Impact Stations, 5 Sensitive Receiver Stations and 2 Control Stations) were designated for impact water quality monitoring. The six Impact Stations (IS) were chosen on the basis of their proximity to the reclamation and thus the greatest potential for water quality impacts, the five Sensitive Receiver Stations (SR) were chosen as they are close to the key sensitive receives and the two Control Stations (CS) were chosen to facilitate comparison of the water quality of the IS stations with less influence by the Project/ ambient water quality conditions.

4.4.2 A new water quality monitoring team has been employed for carrying out water quality monitoring work for the Contract starting from 23 August 2017. Due to marine work of the Expansion of Hong Kong International Airport into a Three-Runway System (3RS Project), original locations of water quality monitoring stations CS2, SR5 and IS10 are enclosed by works

boundary of 3RS Project. Alternative impact water quality monitoring stations, naming as CS2(A), SR5(N) and IS10(N) was approved on 28 July 2017 and were adopted starting from 23 August 2017 to replace the original locations of water quality monitoring for the Contract.

4.4.3 The topographical condition of the water monitoring stations SR3 (Coordinate: 810525E, 816456N), SR4 (Coordinate: 814760E, 817867N), SR10A (Coordinate: 823741E, 823495N) and SR10B (Coordinate: 823686E, 823213N) cannot be accessed safely for undertaking water quality monitoring. The water quality monitoring has been temporarily conducted at alternative stations, namely SR3(N) (Coordinate 810689E, 816591N), SR4(N) (Coordinate: 814705E, 817859N) and SR10A(N) (Coordinate: 823644E, 823484N) since 1 September 2017. The water quality monitoring at station SR10B was temporarily conducted at Coordinate: 823683E, 823187N on 1, 4, 6, 8 September 2017 and has been temporarily fine-tuned to alternative station SR10B(N2) (Coordinate: 823689E, 823159N) since 11 September 2017. Proposal for permanently relocating the aforementioned stations was approved by EPD on 8 January 2018.

4.4.4 The locations of water quality monitoring stations during the reporting period are summarized in **Table 4.4** and shown in **Figure 2.1**.

**Table 4.4 Impact Water Quality Monitoring Stations**

| Monitoring Stations | Description | Coordinates | |
|---|---|---|---|
| | | Easting | Northing |
| IS5 | Impact Station (Close to HKLR construction site) | 811579 | 817106 |
| IS(Mf)6 | Impact Station (Close to HKLR construction site) | 812101 | 817873 |
| IS7 | Impact Station (Close to HKBCF construction site) | 812244 | 818777 |
| IS8 | Impact Station (Close to HKBCF construction site) | 814251 | 818412 |
| IS(Mf)9 | Impact Station (Close to HKBCF construction site) | 813273 | 818850 |
| IS10(N) | Impact Station (Close to HKBCF construction site) | 812942 | 820881 |
| SR3(N) | Sensitive receivers (San Tau SSSI) | 810689 | 816591 |
| SR4(N) | Sensitive receivers (Tai Ho Inlet) | 814705 | 817859 |
| SR5(N) | Sensitive Receivers (Artificial Reef in NE Airport) | 812569 | 821475 |
| SR10A(N) | Sensitive receivers (Ma Wan Fish Culture Zone) | 823644 | 823484 |
| SR10B(N2) | Sensitive receivers (Ma Wan Fish Culture Zone) | 823689 | 823159 |
| CS2(A) | Control Station (Mid-Ebb) | 805232 | 818606 |
| CS(Mf)5 | Control Station (Mid-Flood) | 817990 | 821129 |

Remark:
1) Metal beam across Tai Ho Inlet blocked the access of station SR4(N) in all water monitoring date of October 2018. As such, the water quality monitoring at station SR4(N) was temporarily conducted at a location which is close to the original coordinates of station SR4(N) (coordinates: 817859N, 814705E) as far as practicable in October 2018.

## 4.5 Monitoring Methodology

4.5.1 Instrumentation

(a) The in-situ water quality parameters including dissolved oxygen, temperature, salinity and turbidity, pH were measured by multi-parameter meters.

4.5.2 Operating/Analytical Procedures

(a) Digital Differential Global Positioning Systems (DGPS) were used to ensure that the correct location was selected prior to sample collection.

(b) Portable, battery-operated echo sounders were used for the determination of water depth at each designated monitoring station.

(c) All in-situ measurements were taken at 3 water depths, 1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth was less than 6 m, in which case the mid-depth station was omitted. Should the water depth be less than 3 m, only the mid-depth station was monitored.

(d) At each measurement/sampling depth, two consecutive in-situ monitoring (DO concentration and saturation, temperature, turbidity, pH, salinity) and water sample for SS. The probes were retrieved out of the water after the first measurement and then re-deployed for the second measurement. Where the difference in the value between the first and second readings of DO or turbidity parameters was more than 25% of the value of the first reading, the reading was discarded and further readings were taken.

(e) Duplicate samples from each independent sampling event were collected for SS measurement. Water samples were collected using the water samplers and the samples were stored in high-density polythene bottles. Water samples collected were well-mixed in the water sampler prior to pre-rinsing and transferring to sample bottles. Sample bottles were pre-rinsed with the same water samples. The sample bottles were then be packed in cool-boxes (cooled at 4$^{o}$C without being frozen), and delivered to ALS Technichem (HK) Pty Ltd. for the analysis of suspended solids concentrations. The laboratory determination work would be started within 24 hours after collection of the water samples. ALS Technichem (HK) Pty Ltd. is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.

(f) The analysis method and detection limit for SS is shown in **Table 4.5**.

**Table 4.5 Laboratory Analysis for Suspended Solids**

| Parameters | Instrumentation | Analytical Method | Detection Limit |
|---|---|---|---|
| Suspended Solid (SS) | Weighting | APHA 2540-D | 0.5mg/L |

(g) Other relevant data were recorded, including monitoring location / position, time, water depth, tidal stages, weather conditions and any special phenomena or work underway at the construction site in the field log sheet for information.

4.5.3 Maintenance and Calibrations

(a) All in situ monitoring instruments would be calibrated by ALS Technichem (HK) Pty Ltd. before use and at 3-monthly intervals throughout all stages of the water quality monitoring programme. The procedures of performance check of sonde and testing results are provided in **Appendix C.**

## 4.6 Monitoring Schedule for the Reporting Month

4.6.1 The schedule for impact water quality monitoring in October 2018 is provided in **Appendix D.**

## 4.7 Monitoring Results

4.7.1 Impact water quality monitoring was conducted at all designated monitoring stations during the reporting month. Impact water quality monitoring results and relevant graphical plots are provided in **Appendix E.**

4.7.2 Water quality impact sources during water quality monitoring were the construction activities of the Contract, nearby construction activities by other parties and nearby operating vessels by other parties.

4.7.3 For marine water quality monitoring, no Action Level and Limit Level exceedances of dissolved oxygen level and turbidity level were recorded during the reporting month.

4.7.4 During the reporting month, an Action Level exceedance of suspended solids level was recorded. No Limit Level exceedances of suspended solids level were recorded.

4.7.5 Number of exceedances recorded during the reporting month at each impact station are summarized in **Table 4.6.**

**Table 4.6 Summary of Water Quality Exceedances**

| Station | Exceedance Level | DO (S&M) | | DO (Bottom) | | Turbidity | | SS | | Total number of exceedances | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ebb | Flood | Ebb | Flood | Ebb | Flood | Ebb | Flood | Ebb | Flood |
| IS5 | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| IS(Mf)6 | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| IS7 | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| IS8 | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| IS(Mf)9 | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| IS10(N) | Action Level | -- | -- | -- | -- | -- | -- | -- | 10-11-2018 | 0 | 1 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| SR3(N) | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| SR4(N) | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| SR5(N) | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| SR10A(N) | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| SR10B(N2) | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| **Total** | **Action** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1** | |
| | **Limit** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0** | |

Notes:
S: Surface;
M: Mid-depth;
** The total number of exceedances

4.7.6 The exceedance suspended solid level recorded during reporting period was considered to be attributed to other external factors such as sea condition, rather than the contract works. Therefore, the exceedances were considered as non-contract related. Records of "Notification of Environmental Quality Limit Exceedances" are provided in **Appendix N**.

4.7.7 The event action plan is annexed in **Appendix F**.

# 5 Dolphin Monitoring

## 5.1 Monitoring Requirements

5.1.1 Impact dolphin monitoring is required to be conducted by a qualified dolphin specialist team to evaluate whether there have been any effects on the dolphins.

5.1.2 The Action Level and Limit Level for dolphin monitoring are shown in **Table 5.1**.

**Table 5.1 Action and Limit Levels for Dolphin Monitoring**

| | North Lantau Social Cluster | |
|---|---|---|
| | **NEL** | **NWL** |
| Action Level | STG < 4.2 & ANI < 15.5 | STG < 6.9 & ANI < 31.3 |
| Limit Level | (STG < 2.4 & ANI < 8.9) and (STG < 3.9 & ANI < 17.9) | |

Remarks:
1. STG means quarterly encounter rate of number of dolphin sightings.
2. ANI means quarterly encounter rate of total number of dolphins.
3. For North Lantau Social Cluster, AL will be trigger if either NEL **or** NWL fall below the criteria; LL will be triggered if both NEL **and** NWL fall below the criteria.

5.1.3 The revised Event and Action Plan for dolphin Monitoring was approved by EPD in 6 May 2013. The revised Event and Action Plan is annexed in **Appendix F.**

## 5.2 Monitoring Methodology

**Vessel-based Line-transect Survey**

5.2.1 According to the requirement of the updated EM&A manual, dolphin monitoring programme should cover all transect lines in NEL and NWL survey areas (see **Figure 1 of Appendix H**) twice per month throughout the entire construction period. The co-ordinates of all transect lines are shown in Table 5.2. The coordinates of several starting and ending points have been revised due to the presence of a work zone to the north of the airport platform with intense construction activities in association with the construction of the third runway expansion for the Hong Kong International Airport. The EPD issued a memo and confirmed that they had no objection on the revised transect lines on 28 July 2017, and the revised coordinates are in red and marked with an asterisk in Table 5.2.

**Table 5.2 Co-ordinates of Transect Lines**

| Line No. | | Easting | Northing | | Line No. | | Easting | Northing |
|---|---|---|---|---|---|---|---|---|
| 1 | Start Point | 804671 | 815456 | | 13 | Start Point | 816506 | 819480 |
| 1 | End Point | 804671 | 831404 | | 13 | End Point | 816506 | 824859 |
| 2 | Start Point | 805476 | 820800* | | 14 | Start Point | 817537 | 820220 |
| 2 | End Point | 805476 | 826654 | | 14 | End Point | 817537 | 824613 |
| 3 | Start Point | 806464 | 821150* | | 15 | Start Point | 818568 | 820735 |
| 3 | End Point | 806464 | 822911 | | 15 | End Point | 818568 | 824433 |
| 4 | Start Point | 807518 | 821500* | | 16 | Start Point | 819532 | 821420 |
| 4 | End Point | 807518 | 829230 | | 16 | End Point | 819532 | 824209 |
| 5 | Start Point | 808504 | 821850* | | 17 | Start Point | 820451 | 822125 |
| 5 | End Point | 808504 | 828602 | | 17 | End Point | 820451 | 823671 |
| 6 | Start Point | 809490 | 822150* | | 18 | Start Point | 821504 | 822371 |

| Line No. | | Easting | Northing | | Line No. | | Easting | Northing |
|---|---|---|---|---|---|---|---|---|
| 6 | End Point | 809490 | 825352 | | 18 | End Point | 821504 | 823761 |
| 7 | Start Point | 810499 | 822000* | | 19 | Start Point | 822513 | 823268 |
| 7 | End Point | 810499 | 824613 | | 19 | End Point | 822513 | 824321 |
| 8 | Start Point | 811508 | 821123 | | 20 | Start Point | 823477 | 823402 |
| 8 | End Point | 811508 | 824254 | | 20 | End Point | 823477 | 824613 |
| 9 | Start Point | 812516 | 821303 | | 21 | Start Point | 805476 | 827081 |
| 9 | End Point | 812516 | 824254 | | 21 | End Point | 805476 | 830562 |
| 10 | Start Point | 813525 | 821176 | | 22 | Start Point | 806464 | 824033 |
| 10 | End Point | 813525 | 824657 | | 22 | End Point | 806464 | 829598 |
| 11 | Start Point | 814556 | 818853 | | 23 | Start Point | 814559 | 821739 |
| 11 | End Point | 814556 | 820992 | | 23 | End Point | 814559 | 824768 |
| 12 | Start Point | 815542 | 818807 | | 24* | Start Point | 805476* | 815900* |
| 12 | End Point | 815542 | 824882 | | 24* | End Point | 805476* | 819100* |

Note:
Co-ordinates in red and marked with asterisk are revised co-ordinates of transect line.

5.2.2 The survey team used standard line-transect methods (Buckland et al. 2001) to conduct the systematic vessel surveys, and followed the same technique of data collection that has been adopted over the last 20 years of marine mammal monitoring surveys in Hong Kong developed by HKCRP (see Hung 2017). For each monitoring vessel survey, a 15-m inboard vessel with an open upper deck (about 4.5 m above water surface) was used to make observations from the flying bridge area.

5.2.3 Two experienced observers (a data recorder and a primary observer) made up the on-effort survey team, and the survey vessel transited different transect lines at a constant speed of 13-15 km per hour. The data recorder searched with unaided eyes and filled out the datasheets, while the primary observer searched for dolphins and porpoises continuously through 7 x 50 *Fujinon* marine binoculars. Both observers searched the sea ahead of the vessel, between 270° and 90° (in relation to the bow, which is defined as 0°). One to two additional experienced observers were available on the boat to work in shift (i.e. rotate every 30 minutes) in order to minimize fatigue of the survey team members. All observers were experienced in small cetacean survey techniques and identifying local cetacean species.

5.2.4 During on-effort survey periods, the survey team recorded effort data including time, position (latitude and longitude), weather conditions (Beaufort sea state and visibility), and distance traveled in each series (a continuous period of search effort) with the assistance of a handheld GPS (*Garmin eTrex Legend*).

5.2.5 Data including time, position and vessel speed were also automatically and continuously logged by handheld GPS throughout the entire survey for subsequent review.

5.2.6 When dolphins were sighted, the survey team would end the survey effort, and immediately record the initial sighting distance and angle of the dolphin group from the survey vessel, as well as the sighting time and position. Then the research vessel was diverted from its course to approach the animals for species identification, group size estimation, assessment of group composition, and behavioural observations. The perpendicular distance (PSD) of the dolphin group to the transect line was later calculated from the initial sighting distance and angle.

5.2.7 Survey effort being conducted along the parallel transect lines that were perpendicular to the coastlines (as indicated in **Figure 1 of Appendix H**) was labeled as “primary” survey effort, while the survey effort conducted along the connecting lines between parallel lines was labeled as “secondary” survey effort. According to HKCRP long-term dolphin monitoring data,

encounter rates of Chinese white dolphins deduced from effort and sighting data collected along primary and secondary lines were similar in NEL and NWL survey areas. Therefore, both primary and secondary survey effort were presented as on-effort survey effort in this report.

5.2.8 Encounter rates of Chinese white dolphins (number of on-effort sightings per 100 km of survey effort and number of dolphins from all on-effort sightings per 100 km of survey effort) were calculated in NEL and NWL survey areas in relation to the amount of survey effort conducted during each month of monitoring survey. Only data collected under Beaufort 3 or below condition would be used for encounter rate analysis. Dolphin encounter rates were calculated using primary survey effort alone, as well as the combined survey effort from both primary and secondary lines.

**Photo-identification Work**

5.2.9 When a group of Chinese White Dolphins were sighted during the line-transect survey, the survey team would end effort and approach the group slowly from the side and behind to take photographs of them. Every attempt was made to photograph every dolphin in the group, and even photograph both sides of the dolphins, since the colouration and markings on both sides may not be symmetrical.

5.2.10 A professional digital camera (*Canon* EOS 7D model), equipped with long telephoto lenses (100-400 mm zoom), were available on board for researchers to take sharp, close-up photographs of dolphins as they surfaced. The images were shot at the highest available resolution and stored on Compact Flash memory cards for downloading onto a computer.

5.2.11 All digital images taken in the field were first examined, and those containing potentially identifiable individuals were sorted out. These photographs would then be examined in greater detail, and were carefully compared to the existing Chinese White Dolphin photo-identification catalogue maintained by HKCRP since 1995.

5.2.12 Chinese White Dolphins can be identified by their natural markings, such as nicks, cuts, scars and deformities on their dorsal fin and body, and their unique spotting patterns were also used as secondary identifying features (Jefferson 2000).

5.2.13 All photographs of each individual were then compiled and arranged in chronological order, with data including the date and location first identified (initial sighting), re-sightings, associated dolphins, distinctive features, and age classes entered into a computer database. Detailed information on all identified individuals will be further presented as an appendix in quarterly EM&A reports.

## 5.3 Monitoring Results

**Vessel-based Line-transect Survey**

5.3.1 During the month of October 2018, two sets of systematic line-transect vessel surveys were conducted on the 4th, 11th, 16th and 18th to cover all transect lines in NWL and NEL survey areas twice. The survey routes of each survey day are presented in **Figures 2 to 5 of Appendix H**.

5.3.2 From these surveys, a total of 265.60 km of survey effort was collected, with 99.8% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility) (**Annex I of Appendix H**).

5.3.3 Among the two survey areas, 95.50 km and 170.10 km of survey effort were collected from NEL and NWL survey areas respectively. Moreover, the total survey effort conducted on primary lines was 192.70 km, while the effort on secondary lines was 72.90 km.

5.3.4 During the two sets of monitoring surveys in October 2018only two groups of six Chinese White Dolphins were sighted (see **Annex II of Appendix H**). Both dolphin sightings were made in NWL, while none was sighted in NEL. Moreover, both dolphin groups were sighted during on-effort search, while one of them was sighted on primary line (**Annex II of Appendix H**). Notably, none of the dolphin groups was associated with any operating fishing vessel.

5.3.5 Distribution of the two dolphin sightings made in October 2018 is shown in **Figure 6 of Appendix H**. One dolphin group was sighted just to the west of Lung Kwu Chau, while another sighting was made between Sha Chau and Pillar Point (**Figure 6 of Appendix H**).

5.3.6 During the October's surveys, encounter rates of Chinese White Dolphins deduced from the survey effort and on-effort sighting data made under favourable conditions (Beaufort 3 or below) are shown in **Tables 5.3 and 5.4**.

**Table 5.3 Individual Survey Event Encounter Rates**

| | | **Encounter rate (STG)** (no. of on-effort dolphin sightings per 100 km of survey effort) | **Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort) |
|---|---|---|---|
| | | **Primary Lines Only** | **Primary Lines Only** |
| **NEL** | Set 1: October 4th / 11th | 0.0 | 0.0 |
| | Set 2: October 16th / 18th | 0.0 | 0.0 |
| **NWL** | Set 1: October 4th / 11th | 0.0 | 0.0 |
| | Set 2: October 16th / 18th | 1.6 | 3.3 |

Remark:
1. Dolphin Encounter Rates Deduced from the Two Sets of Surveys (Two Surveys in Each Set) in October 2018 in Northeast Lantau (NEL) and Northwest Lantau (NWL).

**Table 5.4 Monthly Average Encounter Rates**

| | **Encounter rate (STG)** (no. of on-effort dolphin sightings per 100 km of survey effort) | | **Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort) | |
|---|---|---|---|---|
| | **Primary Lines Only** | **Both Primary and Secondary Lines** | **Primary Lines Only** | **Both Primary and Secondary Lines** |
| **Northeast Lantau** | 0.0 | 0.0 | 0.0 | 0.0 |
| **Northwest Lantau** | 0.8 | 1.2 | 1.7 | 3.5 |

Remark:
1. Monthly Average Dolphin Encounter Rates (Sightings Per 100 km of Survey Effort) from All Four Surveys Conducted in October 2018 on Primary Lines only as well as Both Primary Lines and Secondary Lines in Northeast Lantau (NEL) and Northwest Lantau (NWL).

5.3.7 As there were only two small groups of four and two dolphins being sighted respectively, the average dolphin group size in October 2018 was just 3.0 individuals per group, which was lower than the averages in the previous monitoring months (**Annex II of Appendix H**).

**Photo-identification Work**

5.3.8 Five known individual dolphins were sighted six times in total during the October's surveys (**Annexes III and V of Appendix H**). Four of the five individuals were re-sighted only once during the monthly surveys, while NL136 was re-sighted twice.

**Conclusion**

5.3.9 During this month of dolphin monitoring, no adverse impact from the activities of this construction project on Chinese White Dolphins was noticeable from general observations.

5.3.10 Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any impacts on dolphins have been detected related to the construction activities of this project in the quarterly EM&A report, where comparison on distribution, group size and encounter rates of dolphins between the quarterly impact monitoring period (September-November 2018) and the 3-month baseline monitoring period will be made.

## 5.4 Reference

5.4.1 Buckland, S. T., Anderson, D. R., Burnham, K. P., Laake, J. L., Borchers, D. L., and Thomas, L. 2001. Introduction to distance sampling: estimating abundance of biological populations. Oxford University Press, London.

5.4.2 Hung, S. K. 2017. Monitoring of Marine Mammals in Hong Kong waters: final report (2016-17). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department, 162 pp.

5.4.3 Jefferson, T. A. 2000. Population biology of the Indo-Pacific hump-backed dolphin in Hong Kong waters. Wildlife Monographs 144:1-65.

# 6 Mudflat Monitoring

## 6.1 Water Quality Monitoring

6.1.1 The mudflat monitoring covered water quality monitoring data. Reference was made to the water quality monitoring data of the representative water quality monitoring station (i.e. SR3(N)) as in the EM&A Manual. The water quality monitoring location (SR3(N)) is shown in **Figure 2.1**.

6.1.2 Impact water quality monitoring in San Tau (monitoring station SR3(N)) was conducted in October 2018. The monitoring parameters included dissolved oxygen (DO), turbidity and suspended solids (SS).

6.1.3 The Impact monitoring results for SR3(N) were extracted and summarised below:

**Table 6.4 Impact Water Quality Monitoring Results (Depth Average)**

| Date | Mid Ebb Tide | | | Mid Flood Tide | | |
|---|---|---|---|---|---|---|
| | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | DO (mg/L) | Turbidity (NTU) | SS (mg/L) |
| 01-Oct-2018 | 5.9 | 4.7 | 8.1 | 5.9 | 5.0 | 8.2 |
| 03-Oct-2018 | 5.5 | 3.5 | 5.1 | 5.8 | 7.9 | 9.2 |
| 05-Oct-2018 | 5.6 | 9.6 | 7.5 | 6.2 | 10.3 | 13.4 |
| 08-Oct-2018 | 6.1 | 10.2 | 6.1 | 5.8 | 6.4 | 5.9 |
| 10-Oct-2018 | 5.8 | 8.7 | 6.3 | 5.8 | 8.6 | 9.8 |
| 12-Oct-2018 | 6.3 | 8.0 | 8.4 | 5.8 | 9.2 | 12.9 |
| 15-Oct-2018 | 5.9 | 7.5 | 6.8 | 5.9 | 8.4 | 4.3 |
| 17-Oct-2018 | 6.3 | 4.9 | 4.0 | 6.0 | 3.1 | 2.8 |
| 19-Oct-2018 | 6.4 | 2.3 | 1.2 | 6.6 | 4.2 | 5.4 |
| 22-Oct-2018 | 6.5 | 4.5 | 2.5 | 6.6 | 6.3 | 7.1 |
| 24-Oct-2018 | 6.4 | 2.6 | 6.6 | 6.0 | 3.2 | 7.9 |
| 26-Oct-2018 | 6.5 | 3.2 | 5.9 | 6.3 | 2.8 | 4.6 |
| 29-Oct-2018 | 6.6 | 1.5 | 5.3 | 6.7 | 3.1 | 9.5 |
| 31-Oct-2018 | 6.5 | 1.5 | 3.3 | 7.2 | 2.5 | 4.8 |
| Average | 6.2 | 5.2 | 5.5 | 6.2 | 5.8 | 7.6 |

## 6.2 Mudflat Ecology Monitoring Methodology

**Sampling Zone**

6.2.1 In order to collect baseline information of mudflats in the study site, the study site was divided into three sampling zones (labeled as TC1, TC2, TC3) in Tung Chung Bay and one zone in San Tau (labeled as ST) (**Figure 2.1 of Appendix I**). The horizontal shoreline of sampling zones TC1, TC2, TC3 and ST were about 250 m, 300 m, 300 m and 250 m respectively (**Figure 2.2 of Appendix I**). Survey of horseshoe crabs, seagrass beds and intertidal communities were conducted in every sampling zone. The present survey was conducted in September and October 2018 (totally 6 sampling days between 20nd and 21st September 2018).

6.2.2 Since the field survey of Jun. 2016, increasing number of trashes and even big trashes (**Figure 2.3 of Appendix I**) were found in every sampling zone. It raised a concern about the solid waste

dumping and current-driven waste issues in Tung Chung Wan. Respective measures (e.g. manual clean-up) should be implemented by responsible government agency units.

**Horseshoe Crabs**

6.2.3 Active search method was conducted for horseshoe crab monitoring by two experienced surveyors in every sampling zone. During the search period, any accessible and potential area would be investigated for any horseshoe crab individuals within 2-3 hours of low tide period (tidal level below 1.2 m above Chart Datum (C.D.)). Once a horseshoe crab individual was found, the species was identified referencing to Li (2008). The prosomal width, inhabiting substratum and respective GPS coordinate were recorded. A photographic record was taken for future investigation. Any grouping behavior of individuals, if found, was recorded. The horseshoe crab surveys were conducted on 20th (for TC3 and ST) and 23rd (for TC1 and TC2) September 2018. The weather was generally hot and sunny on all survey days.

6.2.4 In Jun. 2017, a big horseshoe crab was tangled by a trash gill net in ST mudflat (**Figure 2.3 of Appendix I**). It was released to sea once after photo recording. The horseshoe crab of such size should be inhabiting sub-tidal environment while it forages on intertidal shore occasionally during high tide period. If it is tangled by the trash net for few days, it may die due to starvation or overheat during low tide period. These trash gill nets are definitely 'fatal trap' for the horseshoe crabs and other marine life. Manual clean-up should be implemented as soon as possible by responsible government agency units.

**Seagrass Beds**

6.2.5 Active search method was conducted for seagrass bed monitoring by two experienced surveyors in every sampling zone. During the search period, any accessible and potential area would be investigated for any seagrass beds within 2-3 hours of low tide period. Once seagrass bed was found, the species, estimated area, estimated coverage percentage and respective GPS coordinates were recorded. The seagrass beds surveys were conducted on 20th (for TC3 and ST) and 23rd (for TC1 and TC2) September 2018. The weather was generally hot and sunny on all survey days .

**Intertidal Soft Shore Communities**

6.2.6 The intertidal soft shore community surveys were conducted in low tide period 6th (for TC2), 7th (for ST), 20th (for TC1) and 21st (for TC3) October 2018. In every sampling zone, three 100m horizontal transect lines were laid at high tidal level (H: 2.0 m above C.D.), mid tidal level (M: 1.5 m above C.D.) and low tidal level (L: 1.0 m above C.D.). Along every horizontal transect line, ten random quadrats (0.5 m x 0.5 m) were placed.

6.2.7 Inside a quadrat, any visible epifauna were collected and were *in-situ* identified to the lowest practical taxonomical resolution. Whenever possible a hand core sample (10 cm internal diameter $\times$ 20 cm depth) of sediments was collected in the quadrat. The core sample was gently washed through a sieve of mesh size 2.0 mm *in-situ*. Any visible infauna were collected and identified. Finally the top 5 cm surface sediments was dug for visible infauna in the quadrat regardless of hand core sample was taken.

6.2.8 All collected fauna were released after recording except some tiny individuals that are too small to be identified on site. These tiny individuals were taken to laboratory for identification under dissecting microscope.

6.2.9 The taxonomic classification was conducted in accordance to the following references: Polychaetes: Fauchald (1977), Yang and Sun (1988); Arthropods: Dai and Yang (1991), Dong (1991); Mollusks: Chan and Caley (2003), Qi (2004), AFCD (2018).

**Data Analysis**

6.2.10 Data collected from direct search and core sampling was pooled in every quadrat for data analysis. Shannon-Weaver Diversity Index (*H'*) and Pielou's Species Evenness (*J*) were calculated for every quadrat using the formulae below,

$H' = -\Sigma ( Ni / N ) \ln ( Ni / N )$ (Shannon and Weaver, 1963)
$J = H' / \ln S$, (Pielou, 1966)

where S is the total number of species in the sample, N is the total number of individuals, and Ni is the number of individuals of the $i^{th}$ species.

## 6.3 Event and Action Plan for Mudflat Monitoring

6.3.1 In the event of the impact monitoring results indicating that the density or the distribution pattern of intertidal fauna and seagrass is found to be significant different to the baseline condition (taking into account natural fluctuation in the occurrence and distribution pattern such as due to seasonal change), appropriate actions should be taken and additional mitigation measures should be implemented as necessary. Data should then be re-assessed and the need for any further monitoring should be established. The action plan, as given in **Table 6.5** should be undertaken within a period of 1 month after a significant difference has been determined.

**Table 6.5 Event and Action Plan for Mudflat Monitoring**

| Event | ET Leader | IEC | SO | Contractor |
|---|---|---|---|---|
| Density or the distribution pattern of horseshoe crab, seagrass or intertidal soft shore communities recorded in the impact or post-construction monitoring are significantly lower than or different from those recorded in the baseline monitoring. | Review historical data to ensure differences are as a result of natural variation or previously observed seasonal differences;<br>Identify source(s) of impact;<br>Inform the IEC, SO and Contractor;<br>Check monitoring data;<br>Discuss additional monitoring and any other measures, with the IEC and Contractor. | Discuss monitoring with the ET and the Contractor;<br>Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the SO accordingly. | Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET;<br>Make agreement on the measures to be implemented. | Inform the SO and in writing;<br>Discuss with the ET and the IEC and propose measures to the IEC and the ER;<br>Implement the agreed measures. |

Notes:
ET – Environmental Team
IEC – Independent Environmental Checker
SO – Supervising Officer

## 6.4 Mudflat Ecology Monitoring Results and Conclusion

**Horseshoe Crabs**

6.4.1 In the present survey, two species of horseshoe crab *Carcinoscorpius rotundicauda* (total 115 ind.) and *Tachypleus tridentatus* (total 37 ind.) were recorded. The recorded individuals were mainly distributed along the shoreline from TC3 to ST. Grouping of 2-25 individuals was usually observed on similar substratum (fine sand or soft mud, slightly submerged). Photo records were shown in **Figure 3.1 of Appendix I** while the complete survey records were listed in **Annex II of Appendix I**.

6.4.2 **Table 3.1 of Appendix I** summarizes the survey results of horseshoe crab in the present survey. For *Carcinoscorpius rotundicauda*, highest number of individuals were found in ST followed by

TC3 and TC1. In ST, 64 individuals were found with average body size 34.83 mm (24.87-62.79 mm) resulting in moderate search record (10.7 ind. $hr^{-1}$ $person^{-1}$). In TC1, there were 17 individuals average body size 44.03 mm (prosomal width ranged 34.37-65.67 mm). In TC3, there were 33 individuals with average body size 32.15 mm (9.96-62.94 mm). The search records (4.3-5.5 ind. $hr^{-1}$ $person^{-1}$) were at low-moderate level in both zones. In TC2, there was only 1 individual with body size 47.44 mm resulting in very low search record (0.3 ind. $hr^{-1}$ $person^{-1}$).

6.4.3 There was similar pattern of survey results for *Tachypleus tridentatus.* Highest number of individuals were found in ST (23 ind.) with average body size 50.16 mm (38.90-70.97 mm), resulting in low-moderate search record (3.8 ind. $hr^{-1}$ $person^{-1}$). In TC1 and TC3, few individuals (6-8) were found with average body size 38.70-57.00 mm (prosomal width ranged 25.78 - 69.99 mm). The search record was at low level (1.3 - 1.5 ind. $hr^{-1}$ $person^{-1}$). No individual was found in TC2.

6.4.4 In the previous survey of Mar. 2015, there was one important finding that a mating pair of *Carcinoscorpius rotundicauda* was found in ST (prosomal width: male 155.1 mm, female 138.2 mm) (**Figure 3.2 of Appendix I**). It indicated the importance of ST as a breeding ground of horseshoe crab. In Jun. 2017, mating pairs of *Carcinoscorpius rotundicauda* were also found in TC2 (male 175.27 mm, female 143.51 mm) and TC3 (male 182.08 mm, female 145.63 mm) (**Figure 3.2 of Appendix I**). In Dec. 2017 and Jun. 2018 , one mating pair was of *Carcinoscorpius rotundicauda* was found in TC3 (Dec. 2017: male 127.80 mm, female 144.61 mm; Jun. 2018: male 139 mm, female 149 mm). **Figure 3.2 of Appendix I** shows the photographic records of all mating pairs found. The recorded mating pairs were found nearly burrowing in soft mud at low tidal level (0.5-1.0 m above C.D.). The smaller male was holding the opisthosoma (abdomen carapace) of larger female from behind. These mating pairs indicated that breeding of horseshoe crab could be possible along the coast of Tung Chung Wan rather than ST only, as long as suitable substratum was available. Based on the frequency of encounter, the shoreline between TC3 and ST should be more suitable mating ground. Moreover suitable breeding period was believed in wet season (Mar - Sep.) because tiny individuals (i.e. newly hatched) were usually recorded in Jun. and Sep. every year. In present survey (Sep. 2018), two newly hatched individuals were also found in TC1 and TC2 (prosomal width 6.00-6.87 mm) (**Figure 3.4 of Appendix I**) while species identification was not possible.

6.4.5 Despite of mating pair, there were occasional records of large individuals of *Carcinoscorpius rotundicauda* (prosomal width ranged 114.45 - 178.67 mm, either single or in pair) and *Tachypleus tridentatus* (prosomal width 103 mm) (**Figure 3.3 of Appendix I**). Based on their sizes, it indicated that individuals of prosomal width larger than 100 mm would progress its nursery stage from intertidal habitat to sub-tidal habitat of Tung Chung Wan. These large individuals might move onto intertidal shore occasionally during high tide for foraging and breeding. Because they should be inhabiting sub-tidal habitat most of the time. Their records were excluded from the data analysis to avoid mixing up with juvenile population living on intertidal habitat.

6.4.6 No marked individual of horseshoe crab was recorded in the present survey. Some marked individuals were found in the previous surveys of Sep. 2013, Mar. 2014 and Sep. 2014. All of them were released through a conservation programme in charged by Prof. Paul Shin (Department of Biology and Chemistry, The City University of Hong Kong (CityU)). It was a re-introduction trial of artificial bred horseshoe crab juvenile at selected sites. So that the horseshoe crab population might be restored in the natural habitat. Through a personal conversation with Prof. Shin, about 100 individuals were released in the sampling zone ST on 20 June 2013. All of them were marked with color tape and internal chip detected by specific chip sensor. There should be second round of release between June and September 2014 since new marked individuals were found in the survey of Sep. 2014.

6.4.7 The artificial bred individuals, if found, would be excluded from the results of present monitoring programme in order to reflect the changes of natural population. However, the mark on their prosoma might have been detached during moulting after a certain period of release. The artificially released individuals were no longer distinguishable from the natural population

without the specific chip sensor. The survey data collected would possibly cover both natural population and artificially bred individuals.

Population difference among the sampling zones

6.4.8 **Figures 3.5 and 3.6 of Appendix I** show the changes of number of individuals, mean prosomal width and search record of horseshoe crabs *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* respectively in every sampling zone throughout the monitoring period.

6.4.9 For TC3 and ST, medium to high search records (i.e. number of individuals) of both species were always found in wet season (Jun. and Sep.). The search record of ST was higher from Sep. 2012 to Jun. 2014 while it was replaced by TC3 from Sep. 2014 to Jun. 2015. The search records were similar between two sampling zones from Sep. 2015 to Jun. 2016. In Sep. 2016, the search record of *Carcinoscorpius rotundicauda* in ST was much higher than TC3. From Mar. to Jun. 2017, the search records of both species were similar again between two sampling zones. It showed a natural variation of horseshoe crab population in these two zones due to weather condition and tidal effect. No obvious difference of horseshoe crab population was noted between TC3 and ST. In Sep. 2017, the search records of both horseshoe crab species decreased except the *Carcinoscorpius rotundicauda* in TC3. The survey results were different from previous findings that there were usually higher search records in SeptemberOne possible reason was that the serial cyclone hit decreased horseshoe crab activity (totally 4 cyclone records between Jun. and Sep. 2017, to be discussed in 'Seagrass survey' section). From Dec. 2017 to Sep. 2018 (present survey), the search records of both species increased again to low-moderate level in TC3 and ST. Relatively higher population fluctuation of *Tachypleus tridentatus* was observed in TC3

6.4.10 For TC1, the search record was at low to moderate level throughout the monitoring period. The change of *Carcinoscorpius rotundicauda* was relatively more variable than that of *Tachypleus tridentatus*. Relatively, the search record was very low in TC2 (2 ind. in Sep. 2013; 1 ind. in Mar.-Sep. 2014, Mar.-Jun. 2015; 4 ind. in Sep. 2015; 6 ind. in Jun. 2016; 1 ind. in Sep. 2016, 1 ind. from Mar.-Sep. 2017; 3 ind. in Jun. 2018;1 ind. In Sep. 2018).

6.4.11 About the body size, larger individuals of *Carcinoscorpius rotundicauda* were usually found in ST and TC1 relative to those in TC3 from Sep. 2012 to Jun. 2017. But the body size was higher in TC3 and ST followed by TC1 from Sep. 2017 to Jun. 2018. In Sep. 2018 (present survey), larger individuals were found in ST and TC1 again. For *Tachypleus tridentatus*, larger individuals were usually found in ST and TC3 followed by TC1 throughout the monitoring period..

6.4.12 In general, it was obvious that the shoreline along TC3 and ST (western shore of Tung Chung Wan) was an important nursery ground for horseshoe crab especially newly hatched individuals due to larger area of suitable substratum (fine sand or soft mud) and less human disturbance (far from urban district). Relatively, other sampling zones were not a suitable nursery ground especially TC2. Possible factors were less area of suitable substratum (especially TC1) and higher human disturbance (TC1 and TC2: close to urban district and easily accessible). In TC2, large daily salinity fluctuation was a possible factor either since it was flushed by two rivers under tidal inundation. The individuals inhabiting TC1 and TC2 were confined in small foraging area due to limited area of suitable substrata. Although a mating pair of *Carcinoscorpius rotundicauda* was once found in TC2, the hatching rate and survival rate of newly hatched individuals were believed very low.

Seasonal variation of horseshoe crab population

6.4.13 Throughout the monitoring period, the search record of horseshoe crab declined obviously during dry season especially December (**Figures 3.4 and 3.5 of Appendix I**). 4 individuals of *Carcinoscorpius rotundicauda* and 12 individuals of *Tachypleus tridentatus* were found only. In Dec. 2013, no individual of horseshoe crab was found. In Dec. 2014, 2 individuals of *Carcinoscorpius rotundicauda* and 8 individuals of *Tachypleus tridentatus* were found only. In Dec. 2015, 2 individuals of *Carcinoscorpius rotundicauda*, 6 individuals of *Tachypleus tridentatus* and one newly hatched, unidentified individual were found only. The horseshoe crabs were inactive and burrowed in the sediments during cold weather (<15 ºC). Similar results of low search record in dry season were reported in a previous territory-wide survey of

horseshoe crab. For example, the search records in Tung Chung Wan were 0.17 ind. $hr^{-1}$ $person^{-1}$ and 0.00 ind. $hr^{-1}$ $person^{-1}$ in wet season and dry season respectively (details see Li, 2008). Relatively the search records were much higher in Dec. 2016. There were totally 70 individuals of *Carcinoscorpius rotundicauda* and 24 individuals of *Tachypleus tridentatus* in TC3 and ST. Because the survey was arranged in early December while the weather was warm with sunlight (~22 °C during dawn according to Hong Kong Observatory database, Chek Lap Kok station on 5 Dec). In contrast, there was no search record in TC1 and TC2 because the survey was conducted in mid December with colder and cloudy weather (~20 °C during dawn on 19 Dec). The horseshoe crab activity would decrease gradually with the colder climate. In Dec. 2017, the weather was cold (13-15 ºC during dawn) that very few individuals of both species could be found as mentioned above.

6.4.14 From Sep. 2012 to Dec. 2013, *Carcinoscorpius rotundicauda* was a less common species relative to *Tachypleus tridentatus*. Only 4 individuals were ever recorded in ST in Dec. 2012. This species had ever been believed of very low density in ST hence the encounter rate was very low. In Mar. 2014, it was found in all sampling zones with higher abundance in ST. Based on its average size (mean prosomal width 39.28 - 49.81 mm), it indicated that breeding and spawning of this species had occurred about 3 years ago along the coastline of Tung Chung Wan. However, these individuals were still small while their walking trails were inconspicuous. Hence there was no search record in previous sampling months. Since Mar. 2014, more individuals were recorded due to larger size and higher activity (i.e. more conspicuous walking trail).

6.4.15 For *Tachypleus tridentatus,* sharp increase of number of individuals was recorded in ST during the wet season of 2013 (from Mar. to Sep.). According to a personal conversation with Prof. Shin (CityU), his monitoring team had recorded similar increase of horseshoe crab population during wet season. It was believed that the suitable ambient temperature increased its conspicuousness. However similar pattern was not recorded in the following wet seasons. The number of individuals increased in Mar. and Jun. 2014 followed by a rapid decline in Sep. 2014. Then the number of individuals fluctuated slightly in TC3 and ST until Mar. 2017. Apart from natural mortality, migration from nursery soft shore to subtidal habitat was another possible cause. Since the mean prosomal width of *Tachypleus tridentatus* continued to grow and reached about 50 mm since Mar. 2014. Then it varied slightly between 35-65 mm from Sep. 2014 to Mar. 2017. Most of the individuals might have reached a suitable size (e.g. prosomal width 50-60 mm) strong enough to forage in sub-tidal habitat. In Jun. 2017, the number of individuals increased sharply again in TC3 and ST. Although mating pair of *Tachypleus tridentatus* was not found in previous surveys, there should be new round of spawning in the wet season of 2016. The individuals might have grown to a more conspicuous size in 2017 accounting for higher search record. From Sep. 2017 to Sep. 2018 (present survey), moderate numbers of individual were found in TC3 and ST indicating a stable population size. Lower population size compared with that in Jun. 2017 was believed the cause of natural mortality.

6.4.16 Recently, *Carcinoscorpius rotundicauda* was a more common horseshoe crab species in Tung Chung Wan. It was recorded in the four sampling zones while the majority of population located in TC3 and ST. Due to potential breeding last year, *Tachypleus tridentatus* became common again and distributed in TC3 and ST only. Since TC3 and ST were regarded as important nursery ground for both horseshoe crab species, box plots of prosomal width of two horseshoe crab species were constructed to investigate the changes of population in details.

Box plot of horseshoe crab populations in TC3

6.4.17 **Figure 3.7 of Appendix I** shows the changes of prosomal width of *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* in TC3. As mentioned above, *Carcinoscorpius rotundicauda* was rarely found between Sep. 2012 and Dec. 2013 hence the data were lacking. In Mar 2014, the major size (50% of individual records between upper (top of red box) and lower quartile (bottom of blue box)) ranged 40-60 mm while only few individuals were found. From Mar. 2014 to Sep. 2018, the median prosomal width (middle line of whole box) and major size (whole box) decreased after Mar. of every year. It was due to more small individuals found. It indicated new rounds of spawning. Also, there were slight increasing trends of body size from Jun. to Mar. of next year since 2015. It indicated a stable growth of individuals. Focused on

larger juveniles (upper whisker), the size range was quite variable (prosomal width 60-90 mm) along the sampling months. Juveniles reaching this size might gradually migrate to sub-tidal habitats.

6.4.18 For *Tachypleus tridentatus*the major size ranged 20-50 mm while the number of individuals fluctuated from Sep. 2012 to Jun. 2014. Then a slight but consistent growing trend was observed from Sep. 2014 to Jun. 2015. The prosomal width increased from 25-35 mm to 35-65 mm. As mentioned, the large individuals might have reached a suitable size for migrating from the nursery soft shore to subtidal habitat. It accounted for the declined population in TC3. From Mar. to Sep. 2016, slight increasing trend of major size was noticed again. From Dec. 2016 to Jun. 2017, similar increasing trend of major size was noted with much higher number of individuals. It reflected new round of spawning. In Sep. 2017, the major size decreased while the trend was different from previous two years. Such decline might be the cause of serial cyclone hit between Jun. and Sep. 2017 (to be discussed in the 'Seagrass survey' section). From Dec. 2017 to Sep. 2018 (present survey), increasing trend was noted again. Across the whole monitoring period, the larger juveniles (upper whisker) usually reached 60-80 mm in prosomal width, even 90 mm occasionally. Juveniles reaching this size might gradually migrate to sub-tidal habitats.

Box plot of horseshoe crab populations in ST

6.4.19 **Figure 3.8 of Appendix I** shows the changes of prosomal width of *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* in ST. As mentioned above, *Carcinoscorpius rotundicauda* was rarely found between Sep. 2012 and Dec. 2013 hence the data were lacking. From Mar. 2014 to Sep. 2017, the size of major population decreased and more small individuals (i.e. lower whisker) were recorded after Jun. of every year. It indicated new round of spawning. Also, there were similar increasing trends of body size from Sep. to Jun. of next year between 2014 and 2017. It indicated a stable growth of individuals. Across the whole monitoring period, the larger juveniles (i.e. upper whisker) usually ranged 60-80 mm in prosomal width except one individual (prosomal width 107.04 mm) found in Mar. 2017. It reflected juveniles reaching this size would gradually migrate to sub-tidal habitats.

6.4.20 For *Tachypleus tridentatus*a consistent growing trend was observed for the major population from Dec. 2012 to Dec. 2014 regardless of change of search record. The prosomal width increased from 15-30 mm to 60-70 mm. As mentioned, the large juveniles might have reached a suitable size for migrating from the nursery soft shore to subtidal habitat. From Mar. to Sep. 2015, the size of major population decreased slightly to a prosomal width 40-60 mm. At the same time, the number of individuals decreased gradually. It further indicated some of large juveniles might have migrated to sub-tidal habitat, leaving the smaller individuals on shore. There was an overall growth trend. In Dec. 2015, two big individuals (prosomal width 89.27 mm and 98.89 mm) were recorded only while it could not represent the major population. In Mar. 2016, the number of individual was very few in ST that no boxplot could be produced. In Jun. 2016, the prosomal width of major population ranged 50-70 mm. But it dropped clearly to 30-40 mm in Sep. 2016 followed by an increase to 40-50 mm in Dec. 2016, 40-70 mm in Mar. 2017 and 50-60mm in Jun. 2017. Based on overall higher number of small individuals from Jun. 2016 to Sep. 2017, it indicated new round of spawning. From Sep. 2017 to Jun. 2018, the major size range increased slightly from 40-50 mm to 45-60 mm indicating a continuous growth. In Sep. 2018 (present survey), decrease of major size was noted again that might reflect new round of spawning. Throughout the monitoring period, the larger junveniles ranged 60-80 mm in prosomal width. Juveniles reaching this size would gradually migrate to sub-tidal habitats.

6.4.21 As a summary for horseshoe crab populations in TC3 and ST, there were spawning of *Carcinoscorpius rotundicauda* from 2014 to 2018 while the spawning time should be in spring. There were consistent, increasing trends of population size in these two sampling zones. For *Tachypleus tridentatus*, small individuals were rarely found in both zones from 2014 to 2015. It was believed no occurrence of successful spawning. The existing individuals (that recorded since 2012) grew to a mature size and migrated to sub-tidal habitat. Hence the number of individuals decreased gradually. From 2016 to 2018, new rounds of spawning were recorded in ST while increasing number of individuals and body size was noticed.

Impact of the HKLR project

6.4.22 It was the 24th survey of the EM&A programme during the construction period. Based on the results, impact of the HKLR project could not be detected on horseshoe crabs. The population change was mainly determined by seasonal variation while new rounds of spawning were observed for both species. In case, abnormal phenomenon (e.g. very few numbers of horseshoe crab individuals in wet season, large number of dead individuals on the shore) is found, it would be reported as soon as possible.

**Seagrass Beds**

6.4.23 Since the commencement of the EM&A monitoring programme, two species of seagrass *Halophila ovalis* and *Zostera japonica* were recorded in TC3 and ST (**Figure 3.9 of Appendix I**). In general, *Halophila ovalis* was occasionally found in TC3 in few, small to medium patches. But it was commonly found in ST in medium to large seagrass bed. Moreover it had sometimes grown extensively and had covered significant mudflat area at 0.5-2.0 m above C.D. between TC3 and ST. Another seagrass species *Zostera japonica* was found in ST only. It was relatively lower in vegetation area and was co-existing with *Halophila ovalis* nearby the mangrove strand at 2.0 m above C.D...

6.4.24 **Table 3.2 of Appendix I** summarizes the results of seagrass beds survey. In ST, two small sized patches of *Halophila ovalis* were found while the total seagrass bed area was about 22.5 $m^2$ (**Figure 3.10 of Appendix I**). The relatively larger patch had area ~12 $m^2$ in high vegetation coverage 80%, located at tidal zone 1.5-2.0 m above C.D nearby mangrove plantation. At vicinity, there was a small, horizontal strand (~10.5 $m^2$, low coverage 5%). Another seagrass species *Zostera japonica* was not found in present survey. **Annex II of Appendix I** shows the complete record of seagrass survey.

6.4.25 According to the previous results, majority of seagrass bed was confined in ST, the temporal change of both seagrass species were investigated in details:

Temporal variation of seagrass beds

6.4.26 **Figure 3.11 of Appendix I** shows the changes of estimated total area of seagrass beds in ST along the sampling months. For *Zostera japonica*, it was not recorded in the 1st and 2nd surveys of monitoring programme. Seasonal recruitment of few, small patches (total seagrass area: 10 $m^2$) was found in Mar. 2013 that grew within the large patch of seagrass *Halophila ovalis*. Then the patch size increased and merged gradually with the warmer climate from Mar. to Jun. 2013 (15 $m^2$). However, the patch size decreased and remained similar from Sep. 2013 (4 $m^2$) to Mar. 2014 (3 $m^2$). In Jun. 2014, the patch size increased obviously again (41 $m^2$) with warmer climate followed by a decrease between Sep. 2014 (2 $m^2$) and Dec. 2014 (5 $m^2$). From Mar. to Jun. 2015, the patch size increased sharply again (90 $m^2$). It might be due to the disappearance of the originally dominant seagrass *Halophila ovalis* resulting in less competition for substratum and nutrients. From Sep. 2015 to Jun. 2016, it was found coexisting with seagrass *Halophila ovalis* with steady increasing patch size (from 44 $m^2$ to 115 $m^2$) and variable coverage. In Sep. 2016, the patch size decreased again to (38 $m^2$) followed by an increase to a horizontal strand (105.4 $m^2$) in Jun. 2017. And it was no longer co-exisitng with *Halophila ovalis*. Between Sep. 2014 and Jun. 2017, an increasing trend was noticed from Sep. to Jun. of next year followed by a rapid decline in Sep. of next year. It was possibly the causes of heat stress, typhoon and stronger grazing pressure during wet season. From Sep. 2017 to Sep. 2018 (present survey), no seagrass patch of *Zostera japonica* was found.

6.4.27 For *Halophila ovalis*, it was recorded as 3-4 medium to large patches (area 18.9-251.7 $m^2$; vegetation coverage 50-80%) beside the mangrove vegetation at tidal level 2 m above C.D. in Sep. 2012 (first survey). The total seagrass bed area grew steadily from 332.3 $m^2$ in Sep. 2012 to 727.4 $m^2$ in Dec. 2013. Flowers were observed in the largest patch during its flowering period. In Mar. 2014, 31 small to medium patches were newly recorded (variable area 1-72 $m^2$ per patch, vegetation coverage 40-80% per patch) in lower tidal zone between 1.0 and 1.5 m above C.D. The total seagrass area increased further to 1350 $m^2$. In Jun. 2014, these small and medium patches grew and extended to each other. These patches were no longer distinguishable and were covering a significant mudflat area of ST. It was generally grouped into 4 large patches (1116 – 2443 $m^2$) of seagrass beds characterized of patchy distribution,

variable vegetable coverage (40-80%) and smaller leaves. The total seagrass bed area increased sharply to 7629 $m^2$. In Sep. 2014, the total seagrass area declined sharply to 1111 $m^2$. There were only 3-4 small to large patches (6-253 $m^2$) at high tidal level and 1 large patch at low tidal level (786 $m^2$). Typhoon or strong water current was a possible cause (Fong, 1998). In Sep. 2014, there were two tropical cyclone records in Hong Kong (7th- 8th Sep.: no cyclone name, maximum signal number 1; 14th-17th Sep.: Kalmaegi, maximum signal number 8SE) before the seagrass survey dated 21st Sep. 2014. The strong water current caused by the cyclone, Kalmaegi especially, might have given damage to the seagrass beds. In addition, natural heat stress and grazing force were other possible causes reducing seagrass beds area. Besides, very small patches of *Halophila ovalis* could be found in other mud flat area in addition to the recorded patches. But it was hardly distinguished due to very low coverage (10-20%) and small leaves.

6.4.28 In Dec. 2014, all the seagrass patches of *Halophila ovalis* disappeared in ST. **Figure 3.12 of Appendix I** shows the difference of the original seagrass beds area nearby the mangrove vegetation at high tidal level between Jun. 2014 and Dec. 2014. Such rapid loss would not be seasonal phenomenon because the seagrass beds at higher tidal level (2.0 m above C.D.) were present and normal in December 2012 and 2013. According to Fong (1998), similar incident had occurred in ST in the past. The original seagrass area had declined significantly during the commencement of the construction and reclamation works for the international airport at Chek Lap Kok in 1992. The seagrass almost disappeared in 1995 and recovered gradually after the completion of reclamation works. Moreover, incident of rapid loss of seagrass area was also recorded in another intertidal mudflat in Lai Chi Wo in 1998 with unknown reason. Hence *Halophila ovalis* was regarded as a short-lived and *r*-strategy seagrass that could colonize areas in short period but disappears quickly under unfavourable conditions (Fong, 1998).

Unfavourable conditions to seagrass *Halophila ovalis*

6.4.29 Typhoon or strong water current was suggested as one unfavourable condition to *Halophila ovalis* (Fong, 1998). As mentioned above, there were two tropical cyclone records in Hong Kong in Sep. 2014. The strong water current caused by the cyclones might have given damage to the seagrass beds.

6.4.30 Prolonged light deprivation due to turbid water would be another unfavouable condition. Previous studies reported that *Halophila ovalis* had little tolerance to light deprivation. During experimental darkness, seagrass biomass declined rapidly after 3-6 days and seagrass died completely after 30 days. The rapid death might be due to shortage of available carbohydrate under limited photosynthesis or accumulation of phytotoxic end products of anaerobic respiration (details see Longstaff *et al*., 1999). Hence the seagrass bed of this species was susceptible to temporary light deprivation events such as flooding river runoff (Longstaff and Dennison, 1999).

6.4.31 In order to investigate any deterioration of water quality (e.g. more turbid) in ST, the water quality measurement results at two closest monitoring stations SR3 and IS5 of the EM&A programme were obtained from the water quality monitoring team. Based on the results from June to December 2014, the overall water quality was in normal fluctuation except there was one exceedance of suspended solids (SS) at both stations in September. On 10th Sep., 2014, the SS concentrations measured during mid-ebb tide at stations SR3 (27.5 mg/L) and IS5 (34.5 mg/L) exceeded the Action Level (≤23.5 mg/L and 120% of upstream control station's reading) and Limit Level (≤34.4 mg/L and 130% of upstream control station's reading) respectively. The turbidity readings at SR3 and IS5 reached 24.8-25.3 NTU and 22.3-22.5 NTU respectively. The temporary turbid water should not be caused by the runoff from upstream rivers. Because there was no rain or slight rain from 1st to 10th Sep. 2014 (daily total rainfall at the Hong Kong International Airport: 0-2.1 mm; extracted from the climatological data of Hong Kong Observatory). The effect of upstream runoff on water quality should be neglectable in that period. Moreover, the exceedance of water quality was considered unlikely to be related to the contract works of HKLR according to the 'Notifications of Environmental Quality Limits Exceedances' provided by the respective environmental team. The respective construction of seawall and stone column works, which possibly caused turbid water, were carried out within silt curtain as recommended in the EIA report. Moreover, there was no leakage of turbid water,

abnormity or malpractice recorded during water sampling. In general, the exceedance of suspended solids concentration was considered to be attributed to other external factors, rather than the contract works.

6.4.32 Based on the weather condition and water quality results in ST, the co-occurrence of cyclone hit and turbid waters in Sep. 2014 might have combined the adverse effects on *Halophila ovalis* that leaded to disappearance of this short-lived and *r*-strategy seagrass species. Fortunately, *Halophila ovalis* was a fast-growing species (Vermaat *et al*., 1995). Previous studies showed that the seagrass bed could be recovered to the original sizes in 2 months through vegetative propagation after experimental clearance (Supanwanid, 1996). Moreover, it was reported to recover rapidly in less than 20 days after dugong herbivory (Nakaoka and Aioi, 1999). As mentioned, the disappeared seagrass in ST in 1995 could recover gradually after the completion of reclamation works for international airport (Fong, 1998). The seagrass beds of *Halophila ovalis* might recolonize the mudflat of ST through seed reproduction as long as there was no unfavourable condition in the coming months.

Recolonization of seagrass beds

6.4.33 **Figure 3.12 of Appendix I** shows the recolonization of seagrass bed area in ST from Dec. 2014 to Jun. 2017. From Mar. to Jun. 2015, 2-3 small patches of *Halophila ovalis* were newly found coinhabiting with another seagrass species *Zostera japonica*. But its total patch area was still very low relative to the previous records. The recolonization rate was low while cold weather and insufficient sunlight were possible factors between Dec. 2014 and Mar. 2015. Moreover, it would need to compete with seagrass *Zostera japonica* for substratum and nutrient. Since *Zostera japonica* had extended and had covered the original seagrass bed of *Halophila ovalis* at certain degree. From Jun. 2015 to Mar. 2016, the total seagrass area of *Halophila ovalis* had increased rapidly from 6.8 $m^2$ to 230.63 $m^2$. It had recolonized its original patch locations and covered *Zostera japonica*. In Jun. 2016, the total seagrass area increased sharply to 4707.3 $m^2$. Similar to the previous records of Mar to Jun. 2014, the original patch area increased further to a horizontally long strand. Another large seagrass beds colonized the lower tidal zone (1.0-1.5 m above C.D.). In Sep. 2016, this patch extended much and covered significant soft mud area of ST, resulting in sharp increase of total area (24245 $m^2$). It indicated the second extensive colonization of this *r*-strategy seagrass. In Dec. 2016, this extensive seagrass patch decreased in size and had separated into few, undistinguishable patches. Moreover, the horizontal strand nearby the mangrove vegetation decreased in size (Fig. 3.10). The total seagrass bed decreased to 12550 $m^2$. From Mar. to Jun. 2017, the seagrass bed area remained generally stable (12438-17046.5 $m^2$) but the vegetation coverage fluctuated (20-50% in Mar. 2017 to 80-100% in Jun. 2017). The whole recolonization process took about 2.5 years.

Re-disappearance of seagrass bed

6.4.34 In Sep 2017, the whole seagrass bed of *Halophila ovalis* disappeared again along the shore of TC3 and ST (**Figure 3.12 of Appendix I**). It was similar to the case between Sep. and Dec. 2014. As mentioned, strong water current (e.g. cyclone) or deteriorated water quality (e.g. high turbidity) were the possible causes.

6.4.35 Between the survey periods of Jun. and Sep. 2017, there were four tropical cyclone records in Hong Kong (Merbok in 12-13th, Jun.; Roke in 23rd, Jul.; Hato in 22-23rd, Aug.; Pakhar in 26-27th, Aug.) (online database of Hong Kong Observatory). All of them reaches signal 8 or above especially Hato (highest signal 10).

6.4.36 According to the water quality monitoring results (Jul. to Aug. 2017) of the two closest monitoring stations SR3 and I5 of the respective EM&A programme, the overall water quality was in normal fluctuation. There was one exceedance of suspended solids (SS) at SR3 on 12 Jul. 2017. The SS concentration reached 24.7 mg/L during mid-ebb tide. It exceeded the Action Level (≤23.5 mg/L) but was far below the Limit Level (≤34.4 mg/L). Since such exceedance was slight and temporary, its effect to seagrass bed should be minimal.

6.4.37 Overall, the disappearance of seagrass beds in ST was believed the cause of serial cyclone hit in Jul and Aug. 2017. Based on previous findings, the seagrass beds of both species were expected to recolonize the mudflat as long as the vicinal water quality was normal. The whole

recolonization process (from few, small patches to extensive strand) would be gradual lasting 2 years. From Dec. 2017 to Mar. 2018, there was still no recolonization of few, small patches of seagrass at the usual location. It was different from previous re-colonization (Mar. 2015 - Jun. 2017). Until Jun. 2018 , new, small-medium seagrass patches were found at the usual location (seaward side of mangrove plantation at 2.0 m C.D.) again, indicating the recolonization. However the seagrass bed area decreased sharply to 22.5 $m^2$ in Sep. 2018 (present survey). Again it was believed the hit of super cyclone in Sep. 2018 (Mangkhut on 16th Sep., highest signal 10). It was expected that the recolonization would occour later and slower than previous round (more than 2 years)

Impact of the HKLR project

6.4.38 It was the 24th survey of the EM&A programme during the construction period. Throughout the monitoring period, the disappearance of seagrass beds was believed the cause of cyclone hits rather than impact of HKLR project. Slow and gradual recolonization of seagrass was expected in the following months.

**Intertidal Soft Shore Communities**

6.4.39 **Table 3.3 and Figure 3.13 of Appendix I** show the substratum types along the horizontal transect at every tidal level in all sampling zones. The relative distribution of substratum types was estimated by categorizing the substratum types (Gravels & Boulders / Sands / Soft mud) of the ten random quadrats along the horizontal transect. The distribution of substratum types varied among tidal levels and sampling zones:

- In TC1, high percentages of 'Gravels and Boulders' (70-80%) were recorded at all tidal levels followed by 'Sands' (20%).
- In TC2, high percentages of 'Sands' (60-70%) were recorded at high and mid tidal levels followed by 'Soft mud' (20-40%). At low tidal level, the major substratum type was 'Soft mud' (80%) followed by 'Sands' (20%).
- In TC3, the main substratum was 'Sands' (100%) at high and mid tidal levels while it was 'Gravels and Boulders' (100%) at low tidal level.
- In ST, 'Gravels and Boulders' was the main substratum (90-100%) at high and mid tidal levels. At low tidal level, there was higher percentage of 'Sands' (60%) followed by 'Soft mud' (30%).

6.4.40 There was neither consistent vertical nor horizontal zonation pattern of substratum type in all sampling zones. Such heterogeneous variation should be caused by different hydrology (e.g. wave in different direction and intensity) received by the four sampling zones.

6.4.41 **Table 3.4 of Appendix I** lists the total abundance, density and number of taxon of every phylum in this survey. A total of 17453 individuals were recorded. Mollusca was clearly the most abundant phylum (total abundance 17166 ind., density 572 ind. $m^{-2}$, relative abundance 98.4 %). The second and third abundant phya were Arthropoda (201 ind., 7 ind. $m^{-2}$, 1.2 %) and Annelida (60 ind., 2 ind. $m^{-2}$, 0.3 %) respectively. Relatively other phyla were very low in abundances (density $\leq$1 ind. $m^{-2}$, relative abundance $\leq$0.0 %). Moreover, the most diverse phylum was Mollusca (31 taxa) followed by Arthropoda (9 taxa) and Annelida (8 taxa). There was 1-2 taxa recorded only for other phyla..

6.4.42 The taxonomic resolution and complete list of recorded fauna are shown in **Annexes IV and V of Appendix I** respectively. As reported in Jun. 2018, taxonomic revision of three potamidid snail species was conducted according to the latest identification key published by Agriculture, Fisheries and Conservation Department (details see AFCD, 2018), the species names of following gastropod species were revised::

- *Cerithidea cingulata* was revised as *Pirenella asiatica*
- *Cerithidea djadjariensis* was revised as *Pirenella incisa*

- *Cerithidea rhizophorarum* was revised as *Cerithidea moerchii*

In present survey, taxonomic revision was conducted on another snail species while the specie name was revised.:

- *Batillaria bornii was revised as Clypeomorus bifasciata*

6.4.43 **Table 3.5 of Appendix I** shows the number of individual, relative abundance and density of each phylum in every sampling zone. The total abundance (2357-6005 ind.) varied among the four sampling zones while the phyla distributions were similar. In general, Mollusca was the most dominant phylum (no. of individuals: 2243-5909 ind.; relative abundance 95.2-99.4 %; density 299-788 ind. $m^{-2}$). Other phyla were much lower in number of individuals. Arthropoda (26-76 ind.; 0.5-3.2 %; 3-10 ind. $m^{-2}$) and Annelida (2-33 ind.; 0.1-1.4 %; 0-4 ind. $m^{-2}$) were the second and third abundant phylum respectively. Relatively other phyla were very low in abundance in all sampling zones.

Dominant species in every sampling zone

6.4.44 **Table 3.6 of Appendix I** lists the abundant species (relative abundance >10 %) in every sampling zone. In the present survey, most of the listed abundant species were of low to moderate densities (50-250 ind. $m^{-2}$). Few listed species of high or very high density (> 250 ind. $m^{-2}$) were regarded as dominant species. Other listed species of lower density (< 50 ind. $m^{-2}$) were regarded as common species..

6.4.45 In TC1, the substratum was mainly 'Gravels and Boulders' at all tidal levels. It was clearly dominated by gastropod *Batillaria multiformis* (651 ind. $m^{-2}$, relative abundance 72 %) at very high density. At mid tidal level, gastropod *Batillaria multiformis* (361 ind. $m^{-2}$, 57 %) was still dominant followed by gastropod *Monodonta labio* (117 ind. $m^{-2}$, 18 %) at low-moderate density. At low tidal level, there were few abundant gastropods *Batillaria multiformis* (164 ind. $m^{-2}$, 29 %), *Monodonta labio* (136 ind. $m^{-2}$, 24 %) and *Pirenella incisa* (56 ind. $m^{-2}$, 10 %) at low-moderate densities. Moreover, rock oyster *Saccostrea cucullata* (104 ind. $m^{-2}$, 19 %, attached on boulders) was also abundant. .

6.4.46 In TC2, the substratum types were either 'Sands' or 'Soft mud' at high and mid tidal levels. Gastropods *Pirenella asiatica* (49-149 ind. $m^{-2}$, 15-30%), *Pirenella incisa* (48-118 ind. $m^{-2}$, 14-24%), *Batillaria zonalis* (80-117 ind. $m^{-2}$, 16-35%) were the abundant taxa at low-moderate densities. Moreover rock oyster *Saccostrea cucullata* (56-63 ind. $m^{-2}$, 12-19%, attached on boulders) was also abundant at low densities. At low tidal level (main substratum type 'Soft mud'), there was only one abundant gastropod *Batillaria zonalis* (65 ind. $m^{-2}$, 56 %) at low density.

6.4.47 In TC3, the substratum types were mainly 'Sands' at high and mid tidal levels. Gastropod *Pirenella incisa* (352-383 ind. $m^{-2}$, 41-49 %) was dominant followed by gastropod *Pirenella asiatica* (134-194 ind. $m^{-2}$, 14-27 %) at low-moderate density. Moreover gastropod *Batillaria multiformis* (368 ind. $m^{-2}$, 40 %) was abundant at high tidal level. At low tidal level (major substratum: 'Gravels and Boulders'), gastropod *Monodonta labio* (289 ind. $m^{-2}$, 38 %) and rock oyster *Saccostrea cucullata* (258 ind. $m^{-2}$, 34 %, attached on boulders) were abundant at moderate densities, followed by gastropod *Lunella coronata* (87 ind. $m^{-2}$, 11 %)..

6.4.48 In ST, the major substratum types were mainly 'Gravels and Boulders' at high and mid tidal levels. At high tidal level, gastropod *Monodonta labio* (215 ind. $m^{-2}$, 36 %) was the most abundant at moderate density. Other abundant gastropods *Batillaria multiformis* (131 ind. $m^{-2}$, 22 %) and *Clypeomorus bifasciata* (60 ind. $m^{-2}$, 10 %) were at low-moderate densities. At mid tidal level, rock oyster *Saccostrea cucullata* (166 ind. $m^{-2}$, 25%) and *Monodonta labio* (163 ind. $m^{-2}$, 25 %) were abundant at low-moderate densities followed by other gastropods *Lunella coronata* (97 ind. $m^{-2}$, 15 %) and *Pirenella asiatica* (76 ind. $m^{-2}$, 12 %). At low tidal level (major substratum types: 'Sands' and 'Soft mud'), there were two abundant gastropods *Pirenella incisa*

(70 ind. $m^{-2}$, 25 %) and *Lunella coronata* (58 ind. $m^{-2}$, 21 %). Rock oyster *Saccostrea cucullata* (42 ind. $m^{-2}$, 15 %) was also common..

6.4.49 In general, there was no consistent zonation pattern of species distribution across all sampling zones and tidal levels. The species distribution should be determined by the type of substratum primarily. In general, gastropods *Batillaria multiformis* (total number of individuals: 4532 ind., relative abundance 26.0 %), *Pirenella incisa* (3005 ind., 17.2 %), , *Pirenella asiatica* (1970 ind., 11.3 %) and *Batillaria zonalis* (907 ind., 5.2 %) were the most commonly occurring species on sandy and soft mud substrata. Rock oyster *Saccostrea cucullata* (2135 ind., 12.2 %), gastropods *Monodonta labio* (2513 ind., 14.4 %) and *Lunella coronata* (853 ind., 4.9 %) were the commonly occurring species inhabiting gravel and boulders substratum..

Biodiversity and abundance of soft shore communities

6.4.50 **Table 3.7 of Appendix I** shows the mean values of species number, density, biodiversity index *H'* and species evenness *J* of soft shore communities at every tidal level and in every sampling zone. As mentioned above, the differences among sampling zones and tidal levels were determined by the major type of substratum primarily.

6.4.51 Among the sampling zones, the mean species number of ST (10 spp. 0.25 $m^{-2}$) was slightly higher than other sampling zones (7-8 spp. 0.25 $m^{-2}$). The mean density of TC1 and TC3 (700-801 ind. $m^{-2}$) were higher than ST (513 ind. $m^{-2}$) followed by TC2 (314 ind. $m^{-2}$). Overall, ST was relatively higher in *H'* (1.6) due to higher species number and even taxa distribution. In TC1 and TC3, the higher densities were mainly accounted by 1-2 abundant gastropods while it resulted in lower *H'* (1.2). In TC2, lower species number and density also resulted in lower *H'* (1.2). The *J* was similar (0.6-0.7) among all sampling zones..

6.4.52 Among the tidal levels, there were slightly increasing trends of mean species number and *H'* from high to low tidal level in TC1 and TC3 but vice versa in TC2 and ST. A general decreasing trend of mean density was observed from high to low tidal level in all sampling zones. No difference of *J* was found between the tidal levels. In general, the spatial differences of these biological parameters were highly related to substratum types.

6.4.53 **Figures 3.14 to 3.17 of Appendix I** show the temporal changes of mean species number, mean density, *H'* and *J* at every tidal level and in every sampling zone along the sampling months. In general, all the biological parameters fluctuated seasonally throughout the monitoring period. Lower mean species number and density were recorded in dry season (Dec.) but the mean *H'* and *J* fluctuated within a stable range.

6.4.54 From Jun. to Dec. 2017, there were steady decreasing trends of mean species number and density in TC2, TC3 and ST regardless of tidal levels. It might be an unfavourable change reflecting environmental stresses. The heat stress and serial cyclone hit were believed the causes during the wet season of 2017. From Mar. to Sep. 2018 (present survey), increases of mean species number and density were observed in all sampling zones. It indicated the recovery of intertidal community.

Impact of the HKLR project

6.4.55 It was the 24th survey of the EM&A programme during the construction period. Based on the results, impacts of the HKLR project were not detected on intertidal soft shore community. In case of other abnormal phenomena (e.g. rapid or consistent decline of fauna densities and species number) are observed, it would be reported as soon as possible.

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# 7 Environmental Site Inspection and Audit

## 7.1 Site Inspection

7.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. During the reporting month, four site inspections were carried out on 3, 10, 16 and 26 October 2018.

7.1.2 A summary of observations found during the site inspections and the follow up actions taken by the Contractor are described in **Table 7.1**.

**Table 7.1 Summary of Environmental Site Inspections**

| Date of Audit | Observations | Actions Taken by Contractor / Recommendation | Date of Observations Closed |
|---|---|---|---|
| 28 Sep 2018 | 1. Waste was observed at S15.<br>2. Stagnant water was observed at S15. | 1. The waste was removed at S15.<br>2. The stagnant water was removed at S15. | 3 Oct 2018 |
| | 3. Drip tray was not provided for a generator at N4.<br>4. Stagnant water was observed inside the drip tray for a generator at N4. | The Contractor was recommended to:<br>3. provide drip tray for the generator at N4.<br>4. remove the stagnant water inside the drip tray at N4. | |
| 3 Oct 2018 | 1. Chemical containers were observed without drip tray at N4.<br>2. Waste was observed at N4. | 1. The chemical containers were removed at N4.<br>2. The waste was removed at N4. | 10 Oct 2018 |
| 10 Oct 2018 | 1. Stagnant water was observed inside I-beam at N4.<br>2. Waste was accumulated on the ground at N4.<br>3. A chemical container was observed without drip tray at N4. | 1. The stagnant water was removed from the I-beam at N4.<br>2. The accumulated waste was removed on the ground at N4.<br>3. The chemical container was removed at N4. | 16 Oct 2018 |
| 16 Oct 2018 | 1. Waste was observed at LCSD.<br>2. Waste was observed at N4.<br>3. Chemical containers were observed without drip tray at WA4. | 1. The waste was removed at LSCD.<br>2. The waste was removed at N4.<br>3. The chemical containers were removed at WA4. | 26 Oct 2018 |
| 26 Oct 2018 | 1. Stagnant water was observed at N4.<br>2. Inert waste was observed at N4.<br>3. Dry stockpile was observed at S7. | The Contractor was recommended to:<br>1. remove the stagnant water at N4.<br>2. remove the inert waste at N4.<br>3. spray water to the dry stockpile at S7. | Follow-up actions for the observations issued for the last weekly site inspection of the reporting month will be inspected during the next site inspection. |

7.1.3 The Contractor has rectified most of the observations as identified during environmental site inspections within the reporting month. Follow-up actions for outstanding observations will be inspected during the next site inspection.

## 7.2 Advice on the Solid and Liquid Waste Management Status

7.2.1 The Contractor registered as a chemical waste producer for the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.

7.2.2 Monthly summary of waste flow table is detailed in **Appendix J**.

7.2.3 The Contractor was reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.

## 7.3 Environmental Licenses and Permits

7.3.1 The valid environmental licenses and permits during the reporting month are summarized in **Appendix L**.

## 7.4 Implementation Status of Environmental Mitigation Measures

7.4.1 In response to the site audit findings, the Contractors have rectified most of the observations as identified during environmental site inspections during the reporting month. Follow-up actions for outstanding observations will be inspected during the next site inspections.

7.4.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix M**. Most of the necessary mitigation measures were implemented properly.

7.4.3 Regular marine travel route for marine vessels were implemented properly in accordance to the submitted plan and relevant records were kept properly.

7.4.4 Dolphin Watching Plan was implemented during the reporting month. No dolphins inside the silt curtain were observed. The relevant records were kept properly.

## 7.5 Summary of Exceedances of the Environmental Quality Performance Limit

7.5.1 For air quality, three Action Level exceedances of 1-hr TSP were recorded at AMS5 during the reporting month. No Limit Level exceedance of 24-hrTSP were recorded at AMS5 during the reporting month.

7.5.2 No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at AMS6 during the reporting month.

7.5.3 For construction noise, no Action and Limit Level exceedances were recorded at the monitoring station during the reporting month.

7.5.1 For marine water quality monitoring, no Action Level and Limit Level exceedances of dissolved oxygen level and turbidity level were recorded during the reporting month. During the reporting month, an Action Level exceedance of suspended solids level was recorded. No Limit Level exceedances of suspended solids level were recorded.

## 7.6 Summary of Complaints, Notification of Summons and Successful Prosecution

7.6.1 There was no complaint received in relation to the environmental impacts during the reporting month. The details of cumulative statistics of Environmental Complaints are provided in **Appendix K**.

7.6.2 No notification of summons and prosecution was received during the reporting period. Statistics on notifications of summons and successful prosecutions are summarized in **Appendix N**.

# 8 Future Key Issues

## 8.1 Construction Programme for the Coming Months

8.1.1 As informed by the Contractor, the major construction activities for November 2018 are summarized in **Table 8.1**.

**Table 8.1 Construction Activities for November 2018**

| Site Area | Description of Activities |
|---|---|
| Portion X | Dismantling/ trimming of Temporary 40mm Stone Platform for Construction of Seawall |
| Portion X | Construction of Seawall |
| Portion X | Loading and Unloading of Filling Materials |
| Portion X | Backfilling at Scenic Hill Tunnel (Cut & Cover Tunnel) |
| Airport Road | Works for Diversion of Airport Road |
| Airport Road / Airport Express Line/ East Coast Road | Establishment of Site Access |
| Airport Road | E&M/ Backfilling works for HKBCF to Airport Tunnel West (Cut & Cover Tunnel) |
| Portion X | E&M/ Backfilling works for HKBCF to Airport Tunnel East (Cut & Cover Tunnel) |
| Portion X | Finishing works for Highway Operation and Maintenance Area Building |
| West Portal | Finishing Works for Scenic Hill Tunnel West Portal Ventilation Building |

## 8.2 Environmental Monitoring Schedule for the Coming Month

8.2.1 The tentative schedule for environmental monitoring in November 2018 is provided in **Appendix D**.

# 9 Conclusions

## 9.1 Conclusions

9.1.1 The construction phase and EM&A programme of the Contract commenced on 17 October 2012. This is the seventy-third Monthly EM&A report for the Contract which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 31 October 2018.

**Air Quality**

9.1.2 For air quality, three Action Level exceedance of 1-hr TSP were recorded at AMS5 during the reporting month. No Limit Level exceedance of 24-hrTSP were recorded at AMS5 during the reporting month.

9.1.3 No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at AMS6 during the reporting month.

**Noise**

9.1.4 For construction noise, no Action and Limit Level exceedances were recorded at the monitoring station during the reporting month.

**Water Quality**

9.1.5 For marine water quality monitoring, no Action Level and Limit Level exceedances of dissolved oxygen level and turbidity level were recorded during the reporting month. During the reporting month, an Action Level exceedance of suspended solids level was recorded. No Limit Level exceedances of suspended solids level were recorded.

**Dolphin**

9.1.6 During the October's surveys of the Chinese White Dolphin, no adverse impact from the activities of this construction project on Chinese White Dolphins was noticeable from general observations.

9.1.7 Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any impacts on dolphins have been detected related to the construction activities of this project in the quarterly EM&A report, where comparison on distribution, group size and encounter rates of dolphins between the quarterly impact monitoring period (September – November 2018) and baseline monitoring period (3-month period) will be made.

**Mudflat**

9.1.8 The September 2018 survey results indicate that the impacts of the HKLR project could not be detected on horseshoe crabs and intertidal soft shore community. Throughout the monitoring period, the disappearance of seagrass beds was believed the cause of cyclone hits rather than impact of HKLR project. Slow and gradual recolonization of seagrass was expected in the following months.

**Environmental Site Inspection and Audit**

9.1.9 Environmental site inspections were carried out on 3, 10, 16 and 26 October 2018. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.

9.1.10 There was no complaint received in relation to the environmental impact during the reporting period.

9.1.11 No notification of summons and prosecution was received during the reporting period.

# FIGURES

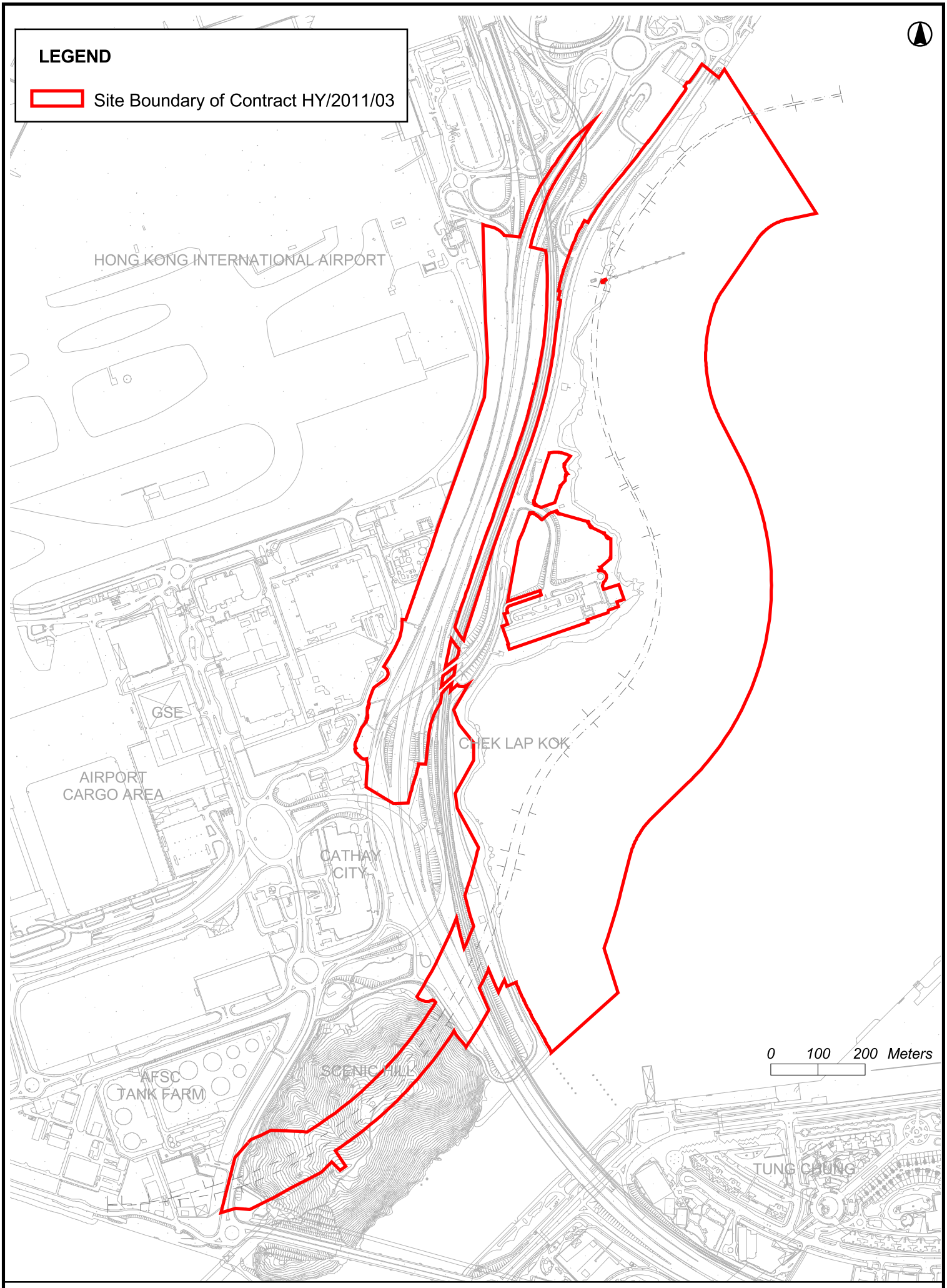



**Figure 1.1 Location of the Site**

INSET A

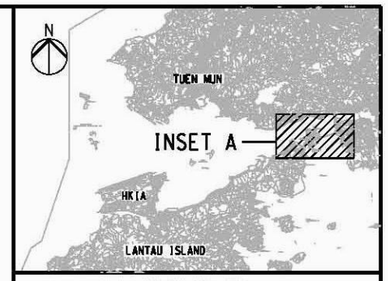
824500 N
822000 N
822500 E
825000 E
827500 E
805000 E
810000 E
815000 N
820000 N

SR10A(N)
SR10A
SR10B
SR10B(N2)
TSING MA BRIDGE
TSING YI
MA WAN
LANTAU ISLAND

Indicative 3RS Project Site Boundary

SR5(N)
IS10(N)
IS10
Proposed Hong Kong Boundary Crossing Facilities (HKBCF) (By others)
SR5
PROPOSED TUEN MUN-CHEK LAP KOK LINK (BY OTHERS)
CS(Mf)5

HONG KONG INTERNATIONAL AIRPORT (HKIA)
CS2
CS2(A)
IS7
IS(Mf)9
IS8
AMS6
IS(Mf)6
SR4
SR4(N)
IS5
AIRPORT CHANNEL
HKSAR BOUNDARY
HZMB MAIN BRIDGE (BY OTHERS)
PROPOSED HKLR
PROPOSED HONG KONG LINK ROAD (HKLR)
SAN SHEK WAN
SHA LO WAN
SR3
SR3(N)
AMS5
NMS5
TUNG CHUNG
MUDFLAT SURVEY (SAN TAU)
MUDFLAT SURVEY (TUNG CHUNG BAY)
LANTAU ISLAND




KEY PLAN

NOTES

1. EXACT LOCATIONS OF MONITORING STATIONS ARE TO BE DETERMINED ON SITE. THE CONTRACTOR AND ENVIRONMENTAL TEAM (ET) SHALL AGREE WITH THE INDEPENDENT ENVIRONMENTAL CHECKER (IEC) AND ENVIRONMENTAL PROJECT OFFICE (ENPO) AND APPROVED BY THE SUPERVISING OFFICER FOR THE PROPOSED LOCATION OF THE MONITORING STATIONS.
2. THE LOCATION AND EXTENT OF MUDFLAT SURVEY SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. THE CONTRACTOR AND ET SHALL DETERMINE AND AGREE WITH THE IEC, ENPO AND SUPERVISING OFFICER THE DETAILS OF THE MUDFLAT SURVEY IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE EIA REPORTS AND EM&A MANUALS.
3. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS STIPULATED IN THE EM&A MANUALS TO CONDUCT THE ENVIRONMENTAL MONITORING AND AUDIT WORKS.

LEGEND

- WORKS BOUNDARY OF CONTRACT HY/2011/03
- IS — IMPACT STATIONS (WATER QUALITY)
- CS — CONTROL/FAR FIELD STATIONS (WATER QUALITY)
- SR — SENSITIVE RECEIVERS STATIONS (WATER QUALITY)
- ST — STATION FOR SENSITIVITY TEST RESULT (WATER QUALITY)
- AMS — MONITORING STATIONS (AIR QUALITY)
- NMS — MONITORING STATIONS (NOISE)
- MUDFLAT ECOLOGICAL SAMPLING LOCATION

| Monitoring Stations | Coordinates | |
|---|---|---|
| | Easting | Northing |
| IS5 | 811579 | 817106 |
| IS(Mf)6 | 812101 | 817873 |
| IS7 | 812244 | 818777 |
| IS8 | 814251 | 818412 |
| IS(Mf)9 | 813273 | 818850 |
| IS10(N) | 812942 | 820881 |
| SR3(N) | 810689 | 816591 |
| SR4(N) | 814705 | 817859 |
| SR5(N) | 812569 | 821475 |
| SR10A(N) | 823644 | 823484 |
| SR10B(N2) | 823689 | 823159 |
| CS2(A) | 805232 | 818606 |
| CS(Mf)5 | 817990 | 821129 |

| Rev | Description | By | Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| A | TENDER ADDENDUM ISSUE | AW | 11/11 |

Consultant
ARUP 奧雅納工程顧問 Ove Arup & Partners Hong Kong Limited

Contract No. and Title:
Contract No. HY/2011/03
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title
ENVIRONMENTAL MONITORING STATIONS

Drawing: Figure 2.1 | Rev.: A
Drawn: RY | Date: 11/11 | Checked: AW | Approved: SK
Scale: 1:25000 @A1 | Status:



路政署 HIGHWAYS DEPARTMENT
港珠澳大橋香港工程管理處 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

Printed by : 10/11/2011
Filename : J:\214487\Record\HY_2011_03\Tender Addendum (2011-11-11)\DGN\E-HY_2011_03-DRG_310-A-00.dgn


| | EASTING | NORTHING |
|---|---|---|
| S1 | 810291.160 | 816678.727 |
| S2 | 810958.272 | 815831.531 |
| S3 | 810716.585 | 815953.308 |
| S4 | 811221.433 | 816151.381 |
| SR3N | 816591 | 810689 |

**LEGEND:**

- WORKS BOUNDARY
- SR3N — WATER QUALITY MONITORING STATION
- SAMPLING ZONE
- S1 — MEASUREMENT POINT SEDIMENTATION RATE

| Rev | Description | By | Date |
|---|---|---|---|
| | | | |

Supervising Officer
ARUP 奧雅納工程顧問 Ove Arup & Partners Hong Kong Limited

Contractor
中國建築工程(香港)有限公司 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Contractor's Designer
ATKINS 阿特金斯

Contract No. and Titles
Contract No. HY/2011/03
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title
**MUDFLAT SURVEY AREAS**

| Drawing no. | | Rev. |
|---|---|---|
| FIGURE 6.1 | | - |
| Drawn: ACL | Date: 26 SEP 2012 | Checked: - / Approved: - |
| Scale @ A1: 1 : 7500 | Status: - | |



路政署 HIGHWAYS DEPARTMENT
港珠澳大橋香港工程管理處 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

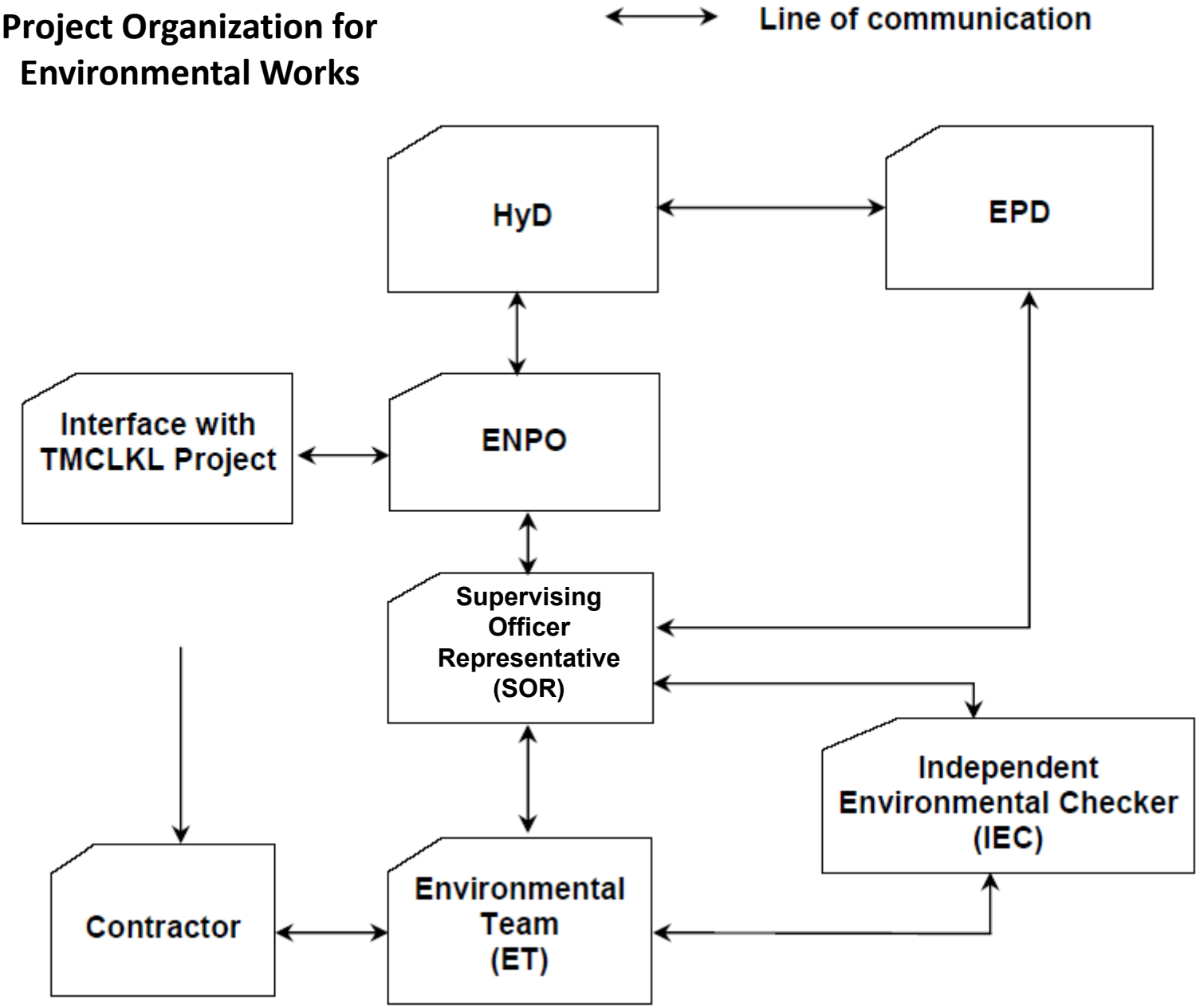
Time:

P:\CNHKA\Environment\Est1\ENV\PROJECT\ACL_Projects\4809 - HKLR ET Role\EP & EM&A Deliverables\Mudflat Survey\Figure\SK-600445_Rev A.dgn

# APPENDIX A

Environmental Management Structure

**Project Organization for Environmental Works**



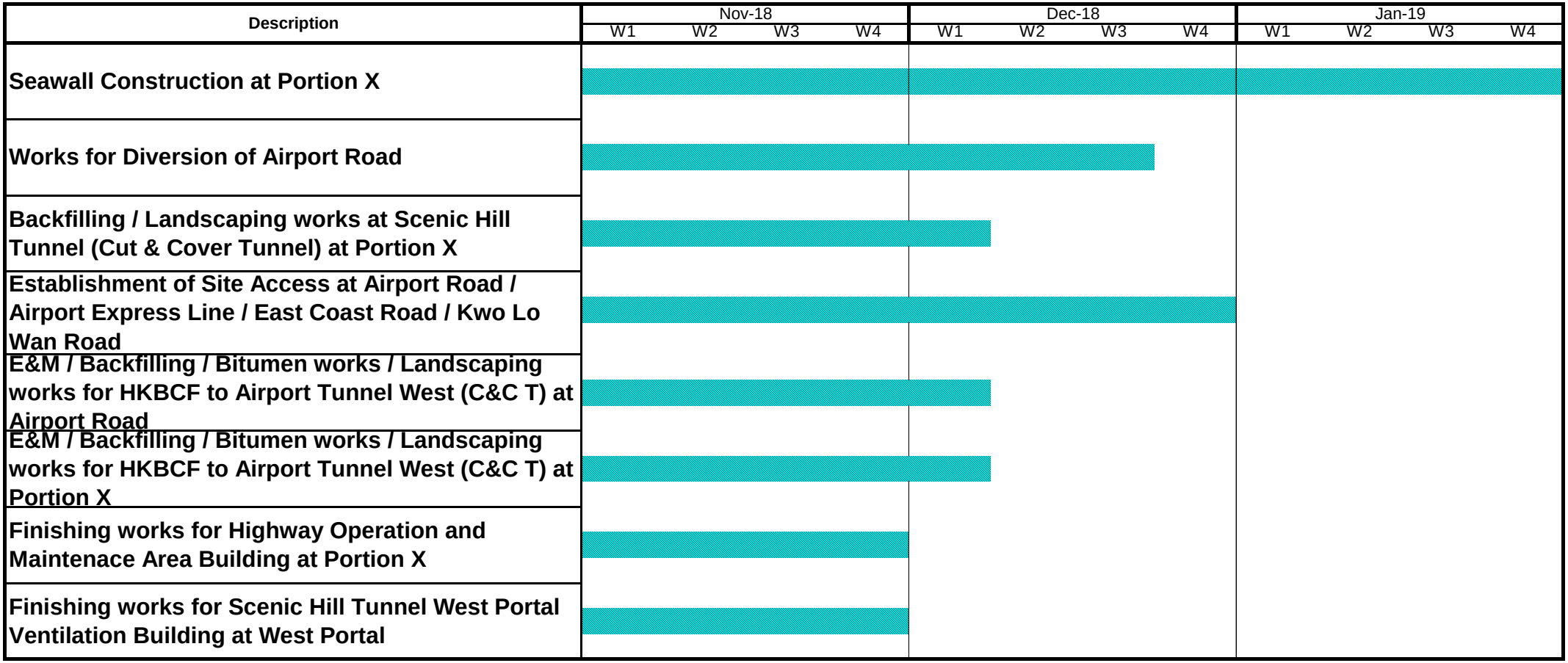
# APPENDIX B

Construction Programme

中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGRG. (HONG KONG) LTD.

**Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section Between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Construction Programme (November 2018 to January 2019)**



# APPENDIX C

Calibration Certificates

輝創工程有限公司
Sun Creation Engineering Limited
Calibration & Testing Laboratory

# Certificate of Calibration
# 校正證書

Certificate No. : C182424
證書編號

**ITEM TESTED / 送檢項目** ( Job No. / 序引編號 : IC18-0873 ) Date of Receipt / 收件日期 : 27 April 2018

Description / 儀器名稱 : Integrating Sound Level Meter
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 2238
Serial No. / 編號 : 2381580
Supplied By / 委託者 : Atkins China Limited
13/F., Wharf T&T Centre, Harbour City,
Tsim Sha Tsui, Kowloon, Hong Kong

**TEST CONDITIONS / 測試條件**

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (50 ± 25)%
Line Voltage / 電壓 : ---

**TEST SPECIFICATIONS / 測試規範**

Calibration check

**DATE OF TEST / 測試日期** : 10 May 2018

**TEST RESULTS / 測試結果**

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By : K C Lee
測試 Engineer

Certified By : H C Chan
核證 Engineer

Date of Issue : 10 May 2018
簽發日期



Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 — 校正及檢測實驗所
c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

# Certificate of Calibration
# 校正證書

Certificate No. : C182424
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration using the B & K Acoustic Calibrator 4231, S/N : 3018753 was performed before the test.

3. The results presented are the mean of 3 measurements at each calibration point.

4. Test equipment :

| Equipment ID | Description | Certificate No. |
|---|---|---|
| CL280 | 40 MHz Arbitrary Waveform Generator | C180024 |
| CL281 | Multifunction Acoustic Calibrator | PA160023 |

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level :

6.1.1 Reference Sound Pressure Level

| UUT Setting | | | | Applied Value | | UUT Reading (dB) | IEC 61672 Class 1 Spec. (dB) |
|---|---|---|---|---|---|---|---|
| Range (dB) | Parameter | Frequency Weighting | Time Weighting | Level (dB) | Freq. (kHz) | | |
| 50 - 130 | $L_{AFP}$ | A | F | 94.00 | 1 | 94.1 | ± 1.1 |

6.1.2 Linearity

| UUT Setting | | | | Applied Value | | UUT Reading (dB) |
|---|---|---|---|---|---|---|
| Range (dB) | Parameter | Frequency Weighting | Time Weighting | Level (dB) | Freq. (kHz) | |
| 50 - 130 | $L_{AFP}$ | A | F | 94.00 | 1 | 94.1 (Ref.) |
| | | | | 104.00 | | 104.1 |
| | | | | 114.00 | | 114.0 |

IEC 61672 Class 1 Spec. : ± 0.6 dB per 10 dB step and ± 1.1 dB for overall different.

6.2 Time Weighting

| UUT Setting | | | | Applied Value | | UUT Reading (dB) | IEC 61672 Class 1 Spec. (dB) |
|---|---|---|---|---|---|---|---|
| Range (dB) | Parameter | Frequency Weighting | Time Weighting | Level (dB) | Freq. (kHz) | | |
| 50 - 130 | $L_{AFP}$ | A | F | 94.00 | 1 | 94.1 | Ref. |
| | $L_{ASP}$ | | S | | | 94.1 | ± 0.3 |

# Certificate of Calibration
# 校正證書

Certificate No. : C182424
證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

| UUT Setting | | | | Applied Value | | UUT Reading (dB) | IEC 61672 Class 1 Spec. (dB) |
|---|---|---|---|---|---|---|---|
| Range (dB) | Parameter | Frequency Weighting | Time Weighting | Level (dB) | Freq. | | |
| 50 - 130 | $L_{AFP}$ | A | F | 94.00 | 63 Hz | 68.0 | -26.2 ± 1.5 |
| | | | | | 125 Hz | 77.9 | -16.1 ± 1.5 |
| | | | | | 250 Hz | 85.4 | -8.6 ± 1.4 |
| | | | | | 500 Hz | 90.9 | -3.2 ± 1.4 |
| | | | | | 1 kHz | 94.1 | Ref. |
| | | | | | 2 kHz | 95.3 | +1.2 ± 1.6 |
| | | | | | 4 kHz | 95.1 | +1.0 ± 1.6 |
| | | | | | 8 kHz | 93.0 | -1.1 (+2.1 ; -3.1) |
| | | | | | 12.5 kHz | 89.9 | -4.3 (+3.0 ; -6.0) |

6.3.2 C-Weighting

| UUT Setting | | | | Applied Value | | UUT Reading (dB) | IEC 61672 Class 1 Spec. (dB) |
|---|---|---|---|---|---|---|---|
| Range (dB) | Parameter | Frequency Weighting | Time Weighting | Level (dB) | Freq. | | |
| 50 - 130 | $L_{CFP}$ | C | F | 94.00 | 63 Hz | 93.4 | -0.8 ± 1.5 |
| | | | | | 125 Hz | 93.9 | -0.2 ± 1.5 |
| | | | | | 250 Hz | 94.1 | 0.0 ± 1.4 |
| | | | | | 500 Hz | 94.1 | 0.0 ± 1.4 |
| | | | | | 1 kHz | 94.1 | Ref. |
| | | | | | 2 kHz | 93.9 | -0.2 ± 1.6 |
| | | | | | 4 kHz | 93.3 | -0.8 ± 1.6 |
| | | | | | 8 kHz | 91.1 | -3.0 (+2.1 ; -3.1) |
| | | | | | 12.5 kHz | 88.0 | -6.2 (+3.0 ; -6.0) |

# Certificate of Calibration
# 校正證書

Certificate No. : C182424
證書編號

Remarks : - UUT Microphone Model No. : 4188 & S/N : 2379759

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :

| | | |
|---|---|---|
| 94 dB | : 63 Hz - 125 Hz | : ± 0.35 dB |
| | 250 Hz - 500 Hz | : ± 0.30 dB |
| | 1 kHz | : ± 0.20 dB |
| | 2 kHz - 4 kHz | : ± 0.35 dB |
| | 8 kHz | : ± 0.45 dB |
| | 12.5 kHz | : ± 0.70 dB |
| 104 dB | : 1 kHz | : ± 0.10 dB (Ref. 94 dB) |
| 114 dB | : 1 kHz | : ± 0.10 dB (Ref. 94 dB) |

- The uncertainties are for a confidence probability of not less than 95 %.

Note :
Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.



Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 — 校正及檢測實驗所
c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

輝創工程有限公司
Sun Creation Engineering Limited
Calibration & Testing Laboratory

# Certificate of Calibration
# 校正證書

Certificate No. : C183438
證書編號

**ITEM TESTED / 送檢項目** ( Job No. / 序引編號 : IC18-1201 ) Date of Receipt / 收件日期 : 12 June 2018

Description / 儀器名稱 : Acoustical Calibrator
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 4231
Serial No. / 編號 : 3003246
Supplied By / 委託者 : Atkins China Limited
13/F., Wharf T&T Centre, Harbour City,
Tsim Sha Tsui, Kowloon, Hong Kong

**TEST CONDITIONS / 測試條件**

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (50 ± 25)%
Line Voltage / 電壓 : ---

**TEST SPECIFICATIONS / 測試規範**

Calibration check

**DATE OF TEST / 測試日期** : 23 June 2018

**TEST RESULTS / 測試結果**

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : K C Lee, Engineer

Certified By 核證 : H C Chan, Engineer

Date of Issue 簽發日期 : 29 June 2018



Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 — 校正及檢測實驗所
c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

輝創工程有限公司
Sun Creation Engineering Limited
Calibration & Testing Laboratory

# Certificate of Calibration
# 校正證書

Certificate No. : C183438
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

2. The results presented are the mean of 3 measurements at each calibration point.

3. Test equipment :

| Equipment ID | Description | Certificate No. |
|---|---|---|
| CL130 | Universal Counter | C173864 |
| CL281 | Multifunction Acoustic Calibrator | PA160023 |
| TST150A | Measuring Amplifier | C181288 |

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

| UUT Nominal Value | Measured Value (dB) | Mfr's Spec. (dB) | Uncertainty of Measured Value (dB) |
|---|---|---|---|
| 94 dB, 1 kHz | 94.0 | ± 0.2 | ± 0.2 |
| 114 dB, 1 kHz | 114.0 | | |

5.2 Frequency Accuracy

| UUT Nominal Value (kHz) | Measured Value (kHz) | Mfr's Spec. | Uncertainty of Measured Value (Hz) |
|---|---|---|---|
| 1 | 1.000 0 | 1 kHz ± 0.1 % | ± 0.1 |

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :
Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.



Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 — 校正及檢測實驗所
c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

**ENVIROTECH SERVICES CO.**

**High-Volume TSP Sampler**
**5-Point Calibration Record**

| | | |
|---|---|---|
| **Location** | **:** | **AMS5(Ma Wan Chung Village)** |
| **Calibrated by** | **:** | **K.F.Ho** |
| **Date** | **:** | **04/10/2018** |

**Sampler**

| | | |
|---|---|---|
| **Model** | **:** | **TE-5170** |
| **Serial Number** | **:** | **S/N3640** |

**Calibration Orifice and Standard Calibration Relationship**

| | | |
|---|---|---|
| **Serial Number** | **:** | **2454** |
| **Service Date** | **:** | **19 Mar 2018** |
| **Slope (m)** | **:** | **2.05242** |
| **Intercept (b)** | **:** | **-0.01383** |
| **Correlation Coefficient(r)** | **:** | **0.99994** |

**Standard Condition**

| | | |
|---|---|---|
| **Pstd (hpa)** | **:** | **1013** |
| **Tstd (K)** | **:** | **298.18** |

**Calibration Condition**

| | | |
|---|---|---|
| **Pa (hpa)** | **:** | **1015** |
| **Ta(K)** | **:** | **301** |

| Resistance Plate | | dH [green liquid] (inch water) | Z | X=Qstd (cubic meter/min) | IC | Y |
|---|---|---|---|---|---|---|
| 1 | 18 holes | 12.4 | 3.507 | 1.716 | 55 | 54.78 |
| 2 | 13 holes | 9.6 | 3.086 | 1.510 | 50 | 49.80 |
| 3 | 10 holes | 7.2 | 2.673 | 1.309 | 44 | 43.82 |
| 4 | 7 holes | 4.8 | 2.182 | 1.070 | 38 | 37.85 |
| 5 | 5 holes | 2.8 | 1.667 | 0.819 | 30 | 29.88 |

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

**Sampler Calibration Relationship**

**Slope(m):27.678** **Intercept(b): 7.668** **Correlation Coefficient(r): 0.9990**

**Checked by: Magnum Fan** **Date: 04/10/2018**

**ENVIROTECH SERVICES CO.**

**High-Volume TSP Sampler**
**5-Point Calibration Record**

| | | |
|---|---|---|
| **Location** | **:** | **AMS6(Dragonair Building)** |
| **Calibrated by** | **:** | **P.F.Yeung** |
| **Date** | **:** | **23/08/2018** |

**Sampler**

| | | |
|---|---|---|
| **Model** | **:** | **TE-5170** |
| **Serial Number** | **:** | **S/N3639** |

**Calibration Orifice and Standard Calibration Relationship**

| | | |
|---|---|---|
| **Serial Number** | **:** | **2454** |
| **Service Date** | **:** | **19 Mar 2018** |
| **Slope (m)** | **:** | **2.05242** |
| **Intercept (b)** | **:** | **-0.01383** |
| **Correlation Coefficient(r)** | **:** | **0.99994** |

**Standard Condition**

| | | |
|---|---|---|
| **Pstd (hpa)** | **:** | **1013** |
| **Tstd (K)** | **:** | **298.18** |

**Calibration Condition**

| | | |
|---|---|---|
| **Pa (hpa)** | **:** | **1002** |
| **Ta(K)** | **:** | **303** |

| Resistance Plate | | dH [green liquid] (inch water) | Z | X=Qstd (cubic meter/min) | IC | Y |
|---|---|---|---|---|---|---|
| 1 | 18 holes | 11.5 | 3.345 | 1.636 | 52 | 51.29 |
| 2 | 13 holes | 9.2 | 2.992 | 1.464 | 48 | 47.34 |
| 3 | 10 holes | 6.5 | 2.515 | 1.232 | 42 | 41.43 |
| 4 | 7 holes | 4.4 | 2.069 | 1.015 | 37 | 36.49 |
| 5 | 5 holes | 2.5 | 1.560 | 0.767 | 28 | 27.62 |

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

**Sampler Calibration Relationship**

**Slope(m):26.688** **Intercept(b): 8.199** **Correlation Coefficient(r): 0.9956**

**Checked by: Magnum Fan** **Date: 24/08/2018**

**ENVIROTECH SERVICES CO.**

**High-Volume TSP Sampler**
**5-Point Calibration Record**

**Location : AMS6(Dragonair Building)**
**Calibrated by : P.F.Yeung**
**Date : 22/10/2018**

**Sampler**
**Model : TE-5170**
**Serial Number : S/N3639**

**Calibration Orifice and Standard Calibration Relationship**
**Serial Number : 2454**
**Service Date : 19 Mar 2018**
**Slope (m) : 2.05242**
**Intercept (b) : -0.01383**
**Correlation Coefficient(r) : 0.99994**

**Standard Condition**
**Pstd (hpa) : 1013**
**Tstd (K) : 298.18**

**Calibration Condition**
**Pa (hpa) : 1017**
**Ta(K) : 299**

| Resistance Plate | | dH [green liquid] (inch water) | Z | X=Qstd (cubic meter/min) | IC | Y |
|---|---|---|---|---|---|---|
| 1 | 18 holes | 11.2 | 3.348 | 1.6383 | 52 | 52.02 |
| 2 | 13 holes | 9.0 | 3.001 | 1.469 | 48 | 48.01 |
| 3 | 10 holes | 6.2 | 2.491 | 1.221 | 43 | 43.01 |
| 4 | 7 holes | 4.4 | 2.098 | 1.029 | 36 | 36.01 |
| 5 | 5 holes | 2.5 | 1.582 | 0.777 | 28 | 28.01 |

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

**Sampler Calibration Relationship**

**Slope(m):27.820** **Intercept(b): 7.287** **Correlation Coefficient(r): 0.9936**

**Checked by: Magnum Fan** **Date: 23/10/2018**

TISCH Environmental

| RECALIBRATION DUE DATE: |
|---|
| March 19, 2019 |

# Certificate of Calibration

| Calibration Certification Information | | | | | |
|---|---|---|---|---|---|
| **Cal. Date:** | March 19, 2018 | **Rootsmeter S/N:** 438320 | **Ta:** 294 | °K |
| **Operator:** | Jim Tisch | | **Pa:** 746.8 | mm Hg |
| **Calibration Model #:** | TE-5025A | **Calibrator S/N:** **2454** | | |

| Run | Vol. Init (m3) | Vol. Final (m3) | ΔVol. (m3) | ΔTime (min) | ΔP (mm Hg) | ΔH (in H2O) |
|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 1 | 1.4300 | 3.2 | 2.00 |
| 2 | 3 | 4 | 1 | 1.0040 | 6.4 | 4.00 |
| 3 | 5 | 6 | 1 | 0.9030 | 7.9 | 5.00 |
| 4 | 7 | 8 | 1 | 0.8590 | 8.7 | 5.50 |
| 5 | 9 | 10 | 1 | 0.7080 | 12.8 | 8.00 |

**Data Tabulation**

| Vstd (m3) | Qstd (x-axis) | $\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis) | Va | Qa (x-axis) | $\sqrt{\Delta H\left(Ta/Pa\right)}$ (y-axis) |
|---|---|---|---|---|---|
| 0.9917 | 0.6935 | 1.4113 | 0.9957 | 0.6963 | 0.8874 |
| 0.9874 | 0.9835 | 1.9959 | 0.9914 | 0.9875 | 1.2549 |
| 0.9854 | 1.0913 | 2.2315 | 0.9894 | 1.0957 | 1.4030 |
| 0.9843 | 1.1459 | 2.3405 | 0.9883 | 1.1506 | 1.4715 |
| 0.9789 | 1.3826 | 2.8227 | 0.9829 | 1.3882 | 1.7747 |
| **QSTD** | **m=** | **2.05242** | **QA** | **m=** | **1.28519** |
| | **b=** | **-0.01383** | | **b=** | **-0.00869** |
| | **r=** | **0.99994** | | **r=** | **0.99994** |

**Calculations**

| | | | |
|---|---|---|---|
| **Vstd=** | ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta) | **Va=** | ΔVol((Pa-ΔP)/Pa) |
| **Qstd=** | Vstd/ΔTime | **Qa=** | Va/ΔTime |

**For subsequent flow rate calculations:**

**Qstd=** $1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$

**Qa=** $1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$

| Standard Conditions | |
|---|---|
| Tstd: | 298.15 °K |
| Pstd: | 760 mm Hg |

| Key |
|---|
| ΔH: calibrator manometer reading (in H2O) |
| ΔP: rootsmeter manometer reading (mm Hg) |
| Ta: actual absolute temperature (°K) |
| Pa: actual barometric pressure (mm Hg) |
| b: intercept |
| m: slope |

**RECALIBRATION**

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc.
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Village of Cleves, OH 45002

www.tisch-env.com
TOLL FREE: (877)263-7610
FAX: (513)467-9009

# ***EQUIPMENT CALIBRATION RECORD***

| | |
|---|---|
| **Type :** | Laser Dust Monitor |
| **Manufacturer / Brand :** | SIBATA |
| **Model No.:** | LD-3B |
| **Equipment No.:** | LD-3B-002 |
| **Serial No.:** | 974350 |
| **Sensitivity Adjustment Scale Setting :** | 622 CPM |

### *Standard Equipment*

| | |
|---|---|
| **Equipment :** | MFC High Volume Air Sampler |
| **Venue :** | Tung Chung Pier |
| **Model No.:** | TE-5170 Total Suspended Particulate |
| **Serial No.:** | S/N3641 |
| **Previous Calibration Date:** | 12-Jul-2018 |

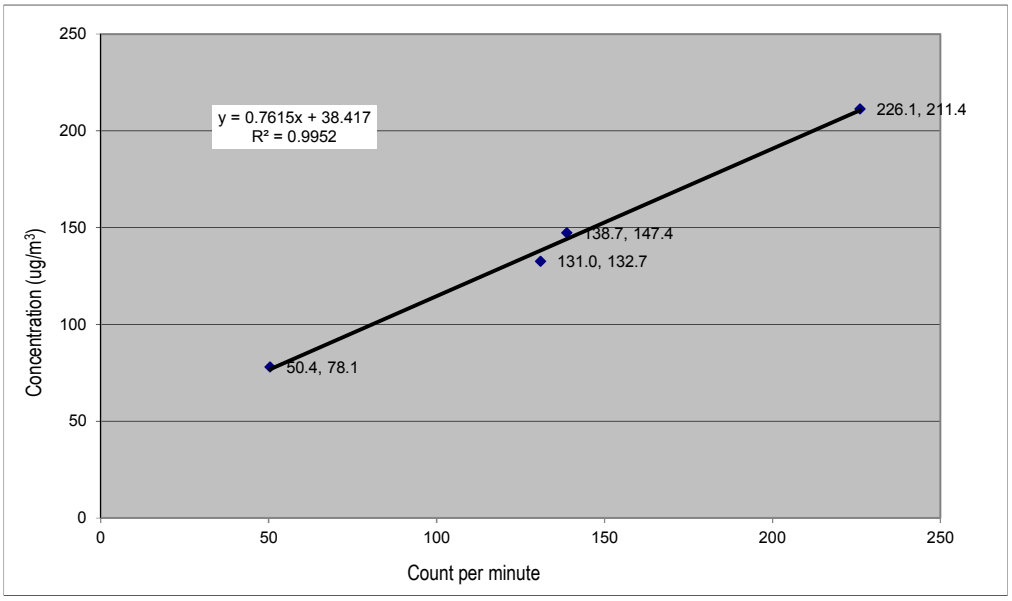
### *Calibration Result*

| | |
|---|---|
| **Sensitivity Adjustment Scale Setting (Before Calibration) :** | 624 CPM |
| **Sensitivity Adjustment Scale Setting (After Calibration) :** | 624 CPM |

| Hour | Date (dd-mm-yy) | Time | | Ambient Condition | | Concentration (ug/m$^3$) Y-axis | Total Count | Count/Minute X-axis |
|---|---|---|---|---|---|---|---|---|
| | | | | Temp ($^o$C) | R.H. (%) | | | |
| 1 | 24-Aug-18 | 09:07 | 09:37 | 29.4 | 80% | 78.1 | 1513 | 50.4 |
| 2 | 24-Aug-18 | 10:00 | 11:00 | 30.5 | 76% | 132.7 | 7857 | 131.0 |
| 3 | 24-Aug-18 | 11:12 | 12:42 | 30.6 | 76% | 147.4 | 12486 | 138.7 |
| 4 | 24-Aug-18 | 13:21 | 15:21 | 31.0 | 71% | 211.4 | 27133 | 226.1 |

Be Linear Regression of Y or X
Slope (K-factor): 0.7615 Intercept,b: 38.417
Correlation coefficient (R): 0.9976

Remark: _____




Recorded by: Shing Mak Signature: Shing Date: 07-Sep-2018

Checked by: Eva Keung Signature: Eva Date: 07-Sep-2018

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street, Kwai Chung
N.T., Hong Kong
T: +852 2610 1044 | F: +852 2610 2021

# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

| | | | |
|---|---|---|---|
| CONTACT: | MR MIKE SHEK | WORK ORDER: | HK1845427 |
| CLIENT: | AECOM ASIA COMPANY LIMITED | | |
| ADDRESS: | 1501-10, 15/F, TOWER 1,<br>GRAND CENTRAL PLAZA,<br>138 SHATIN RURAL COMMITTEE ROAD,<br>SHATIN, NEW TERRITORIES, HONG KONG | SUB-BATCH:<br>LABORATORY:<br>DATE RECEIVED:<br>DATE OF ISSUE: | 0<br>HONG KONG<br>21-Aug-2018<br>27-Aug-2018 |

## COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the ALS Hong Kong laboratory or quoted from relevant international standards.
The "Next Calibration Date" is recommended according to best practice principle as practised by the ALS Hong Kong laboratory or quoted from relevant international standards.

| | |
|---|---|
| Scope of Test: | Conductivity, Dissolved Oxygen, pH Value, Turbitidy, Salinity and Temperature |
| Equipment Type: | Multifunctional Meter |
| Brand Name: | YSI |
| Model No.: | 6820 V2 |
| Serial No.: | 00H1019 |
| Equipment No.: | W.026.09 |
| Date of Calibration: | 21 August, 2018 |

## NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Ms. Lin Wai Yu
Assistant Manager - Inorganic

# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK1845427

SUB-BATCH: 0
DATE OF ISSUE: 27-Aug-2018
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 00H1019
Equipment No.: W.026.09
Date of Calibration: 21 August, 2018 Date of Next Calibration: 21 November, 2018

PARAMETERS:

Conductivity

Method Ref: APHA (21st edition), 2510B

| Expected Reading (µS/cm) | Displayed Reading (µS/cm) | Tolerance (%) |
|---|---|---|
| 146.9 | 145.2 | -1.2 |
| 6667 | 6690 | +0.3 |
| 12890 | 12940 | +0.4 |
| 58670 | 58420 | -0.4 |
| | Tolerance Limit (%) | ±10.0 |

Dissolved Oxygen

Method Ref: APHA (21st edition), 4500-O: G

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) |
|---|---|---|
| 3.45 | 3.41 | -0.04 |
| 5.45 | 5.43 | -0.02 |
| 7.55 | 7.52 | -0.03 |
| | Tolerance Limit (mg/L) | ±0.20 |

pH Value

Method Ref: APHA (21st edition), 4500H:B

| Expected Reading (pH unit) | Displayed Reading (pH unit) | Tolerance (pH unit) |
|---|---|---|
| 4.0 | 4.02 | +0.02 |
| 7.0 | 7.01 | +0.01 |
| 10.0 | 10.00 | +0.00 |
| | Tolerance Limit (pH unit) | ±0.20 |

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu
Assistant Manager - Inorganic

# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK1845427

SUB-BATCH: 0
DATE OF ISSUE: 27-Aug-2018
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 00H1019
Equipment No.: W.026.09
Date of Calibration: 21 August, 2018 Date of Next Calibration: 21 November, 2018

PARAMETERS:

Turbidity

Method Ref: APHA (21st edition), 2130B

| Expected Reading (NTU) | Displayed Reading (NTU) | Tolerance (%) |
|---|---|---|
| 0 | 0.00 | -- |
| 4 | 3.80 | -5.0 |
| 10 | 9.70 | -3.0 |
| 20 | 20.1 | +0.5 |
| 50 | 50.5 | +1.0 |
| 100 | 99.4 | -0.6 |
| | Tolerance Limit (%) | ±10.0 |

Salinity

Method Ref: APHA (21st edition), 2520B

| Expected Reading (ppt) | Displayed Reading (ppt) | Tolerance (%) |
|---|---|---|
| 0 | 0.00 | -- |
| 10 | 10.02 | +0.2 |
| 20 | 19.96 | -0.2 |
| 30 | 29.94 | -0.2 |
| | Tolerance Limit (%) | ±10.0 |

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu
Assistant Manager - Inorganic

# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK1845427

SUB-BATCH: 0
DATE OF ISSUE: 27-Aug-2018
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 00H1019
Equipment No.: W.026.09
Date of Calibration: 21 August, 2018 Date of Next Calibration: 21 November, 2018

PARAMETERS:

Temperature Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

| Expected Reading (°C) | Displayed Reading (°C) | Tolerance (°C) |
|---|---|---|
| 10.5 | 10.48 | -0.0 |
| 20.0 | 19.97 | -0.0 |
| 39.0 | 39.03 | +0.0 |
| | Tolerance Limit (°C) | ±2.0 |

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu
Assistant Manager - Inorganic

# APPENDIX D

Monitoring Schedule

**October 2018**

| Date | 1-Oct | 2-Oct | 3-Oct | 4-Oct | 5-Oct | 6-Oct | 7-Oct |
|---|---|---|---|---|---|---|---|
| | Water Quality Monitoring | AMS5-1hr Dust, NMS5, AMS6-1hr Dust | Water Quality Monitoring | AMS5/AMS6 - 24hr Dust<br>1st Dolphin Monitoring | AMS5-1hr Dust, AMS6-1hr Dust<br>Water Quality Monitoring | Mudflat monitoring | Mudflat monitoring |
| **Date** | **8-Oct** | **9-Oct** | **10-Oct** | **11-Oct** | **12-Oct** | **13-Oct** | **14-Oct** |
| | Water Quality Monitoring | | AMS5/AMS6 - 24hr Dust<br>Water Quality Monitoring | AMS5-1hr Dust, NMS5, AMS6-1hr Dust<br>1st Dolphin Monitoring | Water Quality Monitoring | | |
| **Date** | **15-Oct** | **16-Oct** | **17-Oct** | **18-Oct** | **19-Oct** | **20-Oct** | **21-Oct** |
| | AMS5/AMS6 - 24hr Dust<br>Water Quality Monitoring | AMS5-1hr Dust, AMS6-1hr Dust<br>2nd Dolphin Monitoring | Water Quality Monitoring | NMS5 (See Remark 1)<br>2nd Dolphin Monitoring (See Remark 2) | AMS5/AMS6 - 24hr Dust<br>Water Quality Monitoring | Mudflat monitoring | Mudflat monitoring |
| **Date** | **22-Oct** | **23-Oct** | **24-Oct** | **25-Oct** | **26-Oct** | **27-Oct** | **28-Oct** |
| | AMS5-1hr Dust, NMS5, AMS6-1hr Dust<br>Water Quality Monitoring | | Water Quality Monitoring | AMS5/AMS6 - 24hr Dust | AMS5-1hr Dust, AMS6-1hr Dust<br>Water Quality Monitoring | | |
| **Date** | **29-Oct** | **30-Oct** | **31-Oct** | | | | |
| | Water Quality Monitoring | | AMS5/AMS6 - 24hr Dust<br>Water Quality Monitoring | | | | |

Remarks:
1) Due to bad weather condition, the noise monitoring was rescheduled from 16 October 2018 to 18 October 2018.
2) Due to boat unavailability, the dolphin monitoring was rescheduled from 23 October 2018 to 18 October 2018.
3) Thunderstorm Warning was issued by the Hong Kong Observatory on 6, 7, 8 September 2018. The mudflat monitoring on 6, 7, 8 September 2018 was cancelled due to safety reason. The mudflat monitoring was rescheduled to 20, 23 September 2018 and 6, 7, 20, 21 October 2018.

**November 2018**

| Date | | | | 1-Nov | 2-Nov | 3-Nov | 4-Nov |
|---|---|---|---|---|---|---|---|
| | | | | AMS5-1hr Dust, NMS5, AMS6-1hr Dust<br>1st Dolphin Monitoring | Water Quality Monitoring | | |
| **Date** | **5-Nov** | **6-Nov** | **7-Nov** | **8-Nov** | **9-Nov** | **10-Nov** | **11-Nov** |
| | Water Quality Monitoring | AMS5/AMS6 - 24hr Dust<br>1st Dolphin Monitoring | AMS5-1hr Dust, NMS5, AMS6-1hr Dust<br>Water Quality Monitoring | 2nd Dolphin Monitoring | Water Quality Monitoring | | |
| **Date** | **12-Nov** | **13-Nov** | **14-Nov** | **15-Nov** | **16-Nov** | **17-Nov** | **18-Nov** |
| | AMS5/AMS6 - 24hr Dust<br>Water Quality Monitoring | AMS5-1hr Dust, NMS5, AMS6-1hr Dust<br>2nd Dolphin Monitoring | Water Quality Monitoring | | AMS5/AMS6 - 24hr Dust<br>Water Quality Monitoring | | |
| **Date** | **19-Nov** | **20-Nov** | **21-Nov** | **22-Nov** | **23-Nov** | **24-Nov** | **25-Nov** |
| | AMS5-1hr Dust, NMS5, AMS6-1hr Dust<br>Water Quality Monitoring | | Water Quality Monitoring | AMS5/AMS6 - 24hr Dust | AMS5-1hr Dust, AMS6-1hr Dust<br>Water Quality Monitoring | | |
| **Date** | **26-Nov** | **27-Nov** | **28-Nov** | **29-Nov** | **30-Nov** | **1-Dec** | **2-Dec** |
| | Water Quality Monitoring | | AMS5/AMS6 - 24hr Dust<br>Water Quality Monitoring | AMS5-1hr Dust, NMS5, AMS6-1hr Dust | Water Quality Monitoring | | |

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc.).

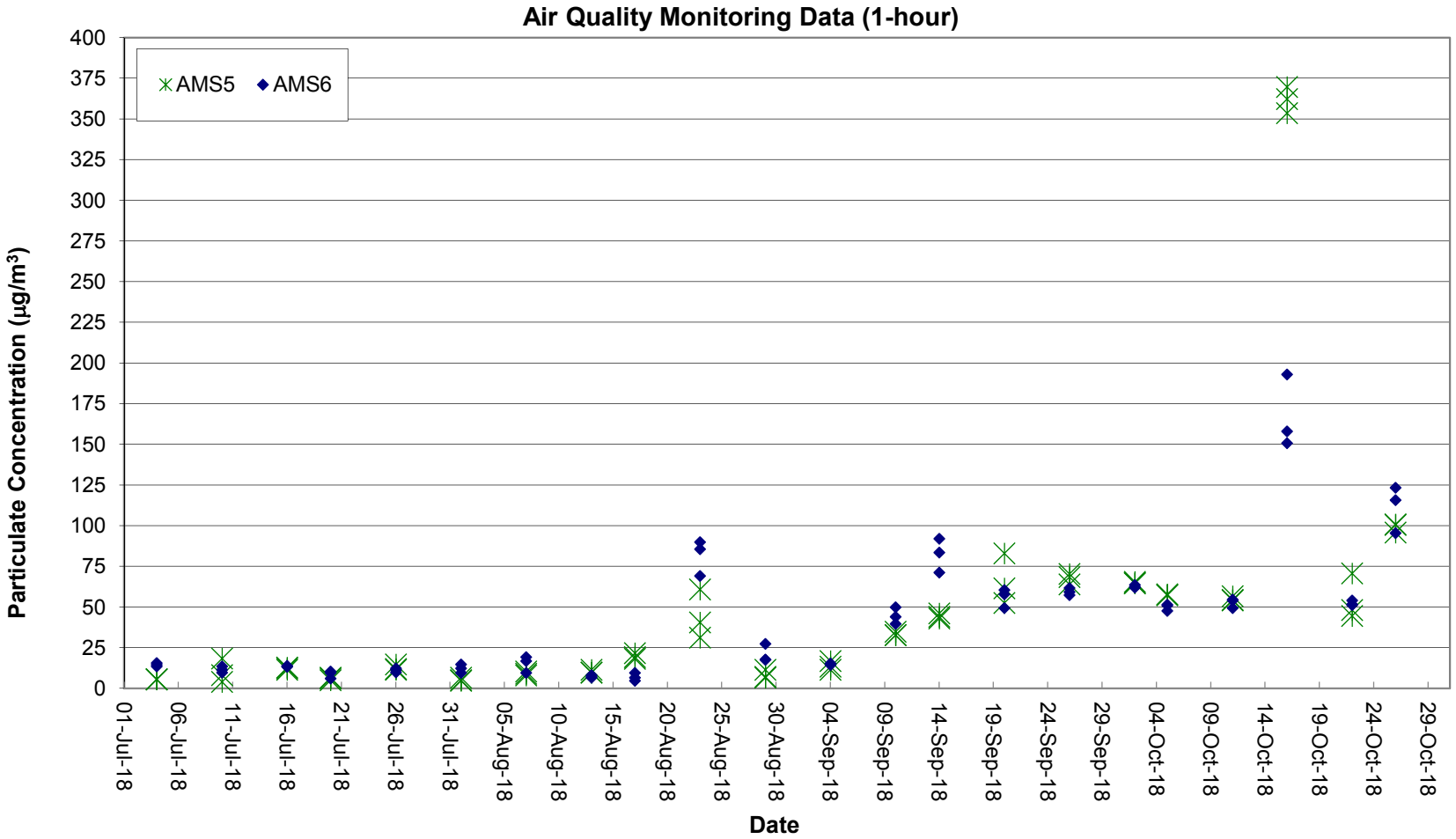
# APPENDIX E

Monitoring Data and Graphical Plots

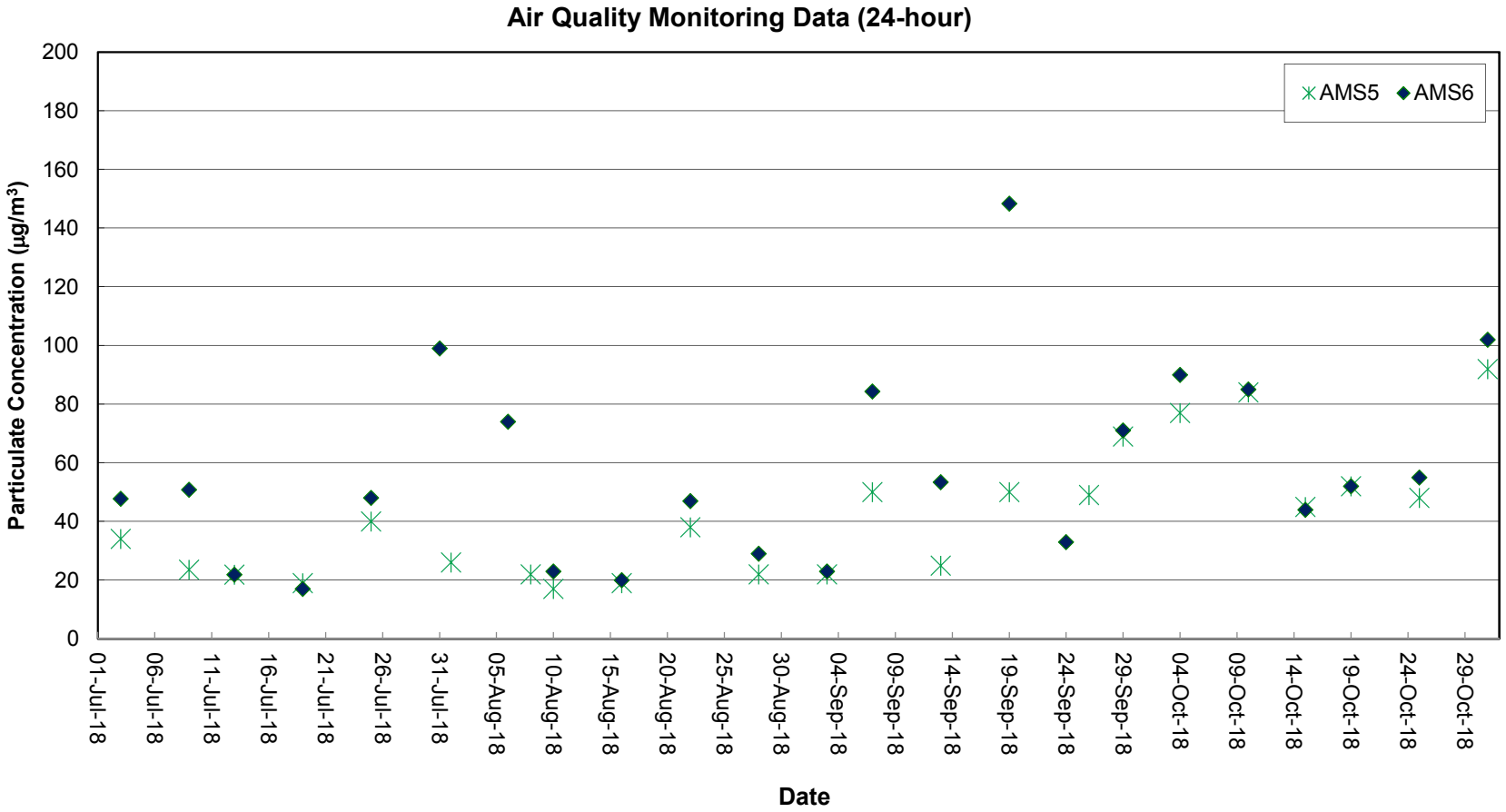
**Air Quality Monitoring Data**

| Project | Works | Date (yyyy-mm-dd) | Station | Time | Parameter | Results | Unit |
|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-02 | AMS5 | 09:12 | 1-hr TSP | 65 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-02 | AMS5 | 10:12 | 1-hr TSP | 65 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-02 | AMS5 | 11:12 | 1-hr TSP | 65 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-05 | AMS5 | 08:46 | 1-hr TSP | 57 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-05 | AMS5 | 09:46 | 1-hr TSP | 57 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-05 | AMS5 | 10:46 | 1-hr TSP | 58 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-11 | AMS5 | 08:56 | 1-hr TSP | 54 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-11 | AMS5 | 09:56 | 1-hr TSP | 54 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-11 | AMS5 | 10:56 | 1-hr TSP | 57 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-16 | AMS5 | 14:49 | 1-hr TSP | 362 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-16 | AMS5 | 15:49 | 1-hr TSP | 354 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-16 | AMS5 | 16:49 | 1-hr TSP | 370 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-22 | AMS5 | 13:01 | 1-hr TSP | 45 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-22 | AMS5 | 14:01 | 1-hr TSP | 48 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-22 | AMS5 | 15:01 | 1-hr TSP | 71 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-26 | AMS5 | 09:00 | 1-hr TSP | 100 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-26 | AMS5 | 10:00 | 1-hr TSP | 96 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-26 | AMS5 | 11:00 | 1-hr TSP | 101 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-04 | AMS5 | 11:49 | 24-hr TSP | 77 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-10 | AMS5 | 08:00 | 24-hr TSP | 84 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-15 | AMS5 | 08:00 | 24-hr TSP | 45 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-19 | AMS5 | 08:00 | 24-hr TSP | 52 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-25 | AMS5 | 08:00 | 24-hr TSP | 48 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-31 | AMS5 | 08:00 | 24-hr TSP | 92 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-02 | AMS6 | 13:00 | 1-hr TSP | 62 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-02 | AMS6 | 14:00 | 1-hr TSP | 62 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-02 | AMS6 | 15:00 | 1-hr TSP | 64 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-05 | AMS6 | 13:16 | 1-hr TSP | 51 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-05 | AMS6 | 14:16 | 1-hr TSP | 51 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-05 | AMS6 | 15:16 | 1-hr TSP | 48 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-11 | AMS6 | 13:07 | 1-hr TSP | 49 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-11 | AMS6 | 14:07 | 1-hr TSP | 54 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-11 | AMS6 | 15:07 | 1-hr TSP | 55 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-16 | AMS6 | 10:00 | 1-hr TSP | 158 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-16 | AMS6 | 11:00 | 1-hr TSP | 151 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-16 | AMS6 | 13:00 | 1-hr TSP | 193 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-22 | AMS6 | 09:00 | 1-hr TSP | 54 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-22 | AMS6 | 10:00 | 1-hr TSP | 52 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-22 | AMS6 | 11:00 | 1-hr TSP | 51 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-26 | AMS6 | 13:11 | 1-hr TSP | 96 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-26 | AMS6 | 14:11 | 1-hr TSP | 116 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-26 | AMS6 | 15:11 | 1-hr TSP | 123 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-04 | AMS6 | 08:00 | 24-hr TSP | 90 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-10 | AMS6 | 08:00 | 24-hr TSP | 85 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-15 | AMS6 | 08:00 | 24-hr TSP | 44 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-19 | AMS6 | 08:00 | 24-hr TSP | 52 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-25 | AMS6 | 08:00 | 24-hr TSP | 55 | $\mu g/m^3$ |
| HKLR | HY/2011/03 | 2018-10-31 | AMS6 | 08:00 | 24-hr TSP | 102 | $\mu g/m^3$ |

**Graphical Plot of 1-hour TSP at AMS5 and AMS6**



**Graphical Plot of 24-hour TSP at AMS5 and AMS6**




Remarks:

1) Due to power interruption of the High Volume Sampler, the 24-hr TSP monitoring on 31 July 2018 at Ma Wan Chung Village (AMS5) was rescheduled from 31 July 2018 to 1 August 2018.

2)The monitoring time for TSP monitoring on 6 August 2018 at AMS5 (Ma Wan Chung Village) was less than 24-hr due to malfunction of HVS. The 24-hr TSP monitoring was rescheduled from 6 August 2018 to 8 August 2018.

3) Due to power interruption of the High Volume Sampler, the 24-hr TSP monitoring on 24 Sept 2018 at Ma Wan Chung Village (AMS5) was rescheduled from 24 Sept 2018 to 26 Sept 2018.

Noise Monitoring Data

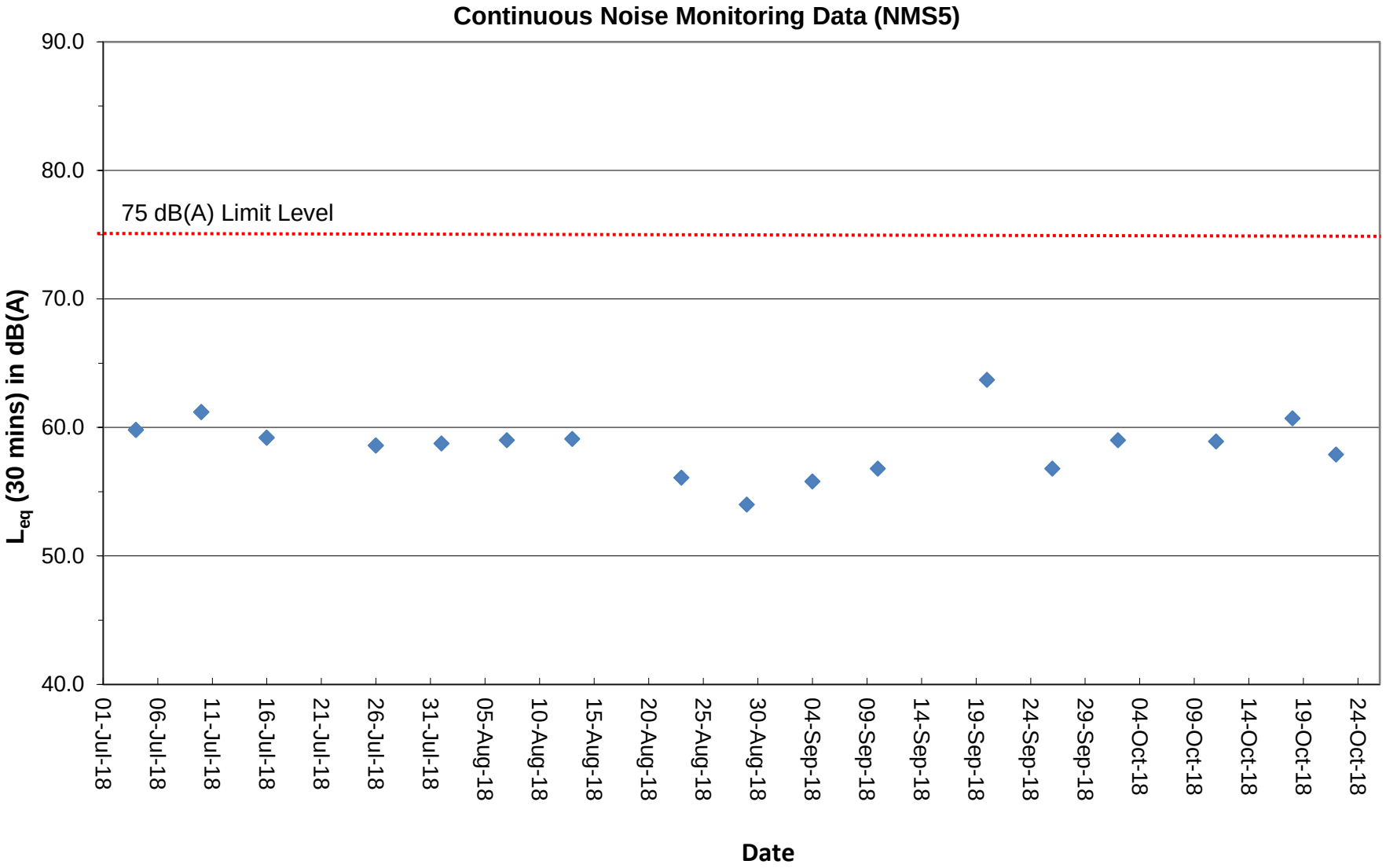
| Project | Works | Date (yyyy-mm-dd) | Station | Start Time | Wind Speed, m/s | 1st set 5mins | | 2nd set 5mins | | 3rd set 5mins | | 4th set 5mins | | 5th set 5mins | | 6th set 5mins | | Overall (30mins)* | | Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-02 | NMS5 | 09:18 | <5 | Leq: | 54.1 | Leq: | 54.9 | Leq: | 56.0 | Leq: | 56.2 | Leq: | 56.5 | Leq: | 57.5 | Leq: | 59.0 | dB(A) |
| | | | | | | L10: | 57.0 | L10: | 57.0 | L10: | 58.0 | L10: | 58.5 | L10: | 59.5 | L10: | 60.5 | L10: | 61.6 | |
| | | | | | | L90: | 49.5 | L90: | 51.0 | L90: | 52.0 | L90: | 53.0 | L90: | 52.0 | L90: | 52.0 | L90: | 54.7 | |
| HKLR | HY/2011/03 | 2018-10-11 | NMS5 | 09:06 | <5 | Leq: | 56.1 | Leq: | 53.8 | Leq: | 58.9 | Leq: | 53.6 | Leq: | 55.3 | Leq: | 55.2 | Leq: | 58.9 | dB(A) |
| | | | | | | L10: | 59.0 | L10: | 56.5 | L10: | 62.5 | L10: | 55.5 | L10: | 57.5 | L10: | 57.0 | L10: | 61.7 | |
| | | | | | | L90: | 50.5 | L90: | 49.5 | L90: | 51.0 | L90: | 50.5 | L90: | 51.5 | L90: | 52.0 | L90: | 53.9 | |
| HKLR | HY/2011/03 | 2018-10-18 (see remark 2) | NMS5 | 15:26 | <5 | Leq: | 57.9 | Leq: | 55.8 | Leq: | 57.2 | Leq: | 56.8 | Leq: | 59.3 | Leq: | 58.3 | Leq: | 60.7 | dB(A) |
| | | | | | | L10: | 60.5 | L10: | 56.5 | L10: | 59.5 | L10: | 59.0 | L10: | 62.0 | L10: | 60.0 | L10: | 62.9 | |
| | | | | | | L90: | 55.5 | L90: | 54.5 | L90: | 55.0 | L90: | 54.0 | L90: | 55.5 | L90: | 55.0 | L90: | 57.9 | |
| HKLR | HY/2011/03 | 2018-10-22 | NMS5 | 13:04 | <5 | Leq: | 59.0 | Leq: | 52.6 | Leq: | 52.2 | Leq: | 56.3 | Leq: | 51.5 | Leq: | 51.2 | Leq: | 57.9 | dB(A) |
| | | | | | | L10: | 58.0 | L10: | 54.0 | L10: | 53.5 | L10: | 60.0 | L10: | 53.0 | L10: | 52.5 | L10: | 59.2 | |
| | | | | | | L90: | 49.0 | L90: | 50.0 | L90: | 50.5 | L90: | 50.0 | L90: | 49.5 | L90: | 49.5 | L90: | 52.8 | |

Remark:

(1)* A facade correction of +3 dB(A) was applied to the measured noise level.

(2) Due to bad weather condition, the noise monitoring was rescheduled from 16 October 2018 to 18 October 2018.

**Graphical Plot of Noise Levels at NMS5**




Remark:

(1) A facade correction of +3 dB(A) was applied to the measured noise level.

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS5 | 15:50 | 1.0 | Surface | 1 | 1 | 27.85 | 8.24 | 32.60 | 88.0 | 5.76 | 5.2 | 17.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS5 | 15:49 | 1.0 | Surface | 1 | 2 | 27.83 | 8.25 | 32.63 | 91.7 | 6.00 | 5.4 | 14.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS5 | 15:49 | 4.2 | Middle | 2 | 1 | 27.83 | 8.24 | 32.69 | 84.4 | 5.53 | 5.8 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS5 | 15:49 | 4.2 | Middle | 2 | 2 | 27.77 | 8.25 | 32.75 | 86.4 | 5.66 | 5.9 | 9.9 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS5 | 15:49 | 7.4 | Bottom | 3 | 1 | 27.78 | 8.24 | 32.78 | 82.9 | 5.42 | 5.7 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS5 | 15:49 | 7.4 | Bottom | 3 | 2 | 27.74 | 8.27 | 32.81 | 83.0 | 5.43 | 5.8 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS(Mf)6 | 15:57 | 1.0 | Surface | 1 | 1 | 28.05 | 8.25 | 33.73 | 91.0 | 5.90 | 3.7 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS(Mf)6 | 15:57 | 1.0 | Surface | 1 | 2 | 28.01 | 8.25 | 33.80 | 89.4 | 5.80 | 3.7 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS(Mf)6 | 15:57 | 2.1 | Bottom | 3 | 1 | 27.95 | 8.26 | 33.91 | 88.2 | 5.72 | 3.8 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS(Mf)6 | 15:57 | 2.1 | Bottom | 3 | 2 | 27.94 | 8.25 | 33.95 | 87.5 | 5.67 | 4.0 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS7 | 16:05 | 1.0 | Surface | 1 | 1 | 28.10 | 8.29 | 33.29 | 93.7 | 6.09 | 2.3 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS7 | 16:05 | 1.0 | Surface | 1 | 2 | 28.09 | 8.28 | 33.44 | 97.5 | 6.32 | 2.4 | 3.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS7 | 16:05 | 2.1 | Bottom | 3 | 1 | 28.06 | 8.29 | 33.90 | 92.6 | 6.01 | 2.3 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS7 | 16:05 | 2.1 | Bottom | 3 | 2 | 28.10 | 8.28 | 33.57 | 90.9 | 5.90 | 2.3 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS8 | 16:29 | 1.0 | Surface | 1 | 1 | 28.01 | 8.28 | 31.51 | 92.4 | 6.07 | 3.4 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS8 | 16:28 | 1.0 | Surface | 1 | 2 | 27.94 | 8.27 | 31.73 | 89.0 | 5.84 | 3.4 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS8 | 16:28 | 2.9 | Bottom | 3 | 1 | 27.88 | 8.28 | 32.00 | 85.4 | 5.60 | 3.6 | 10.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS8 | 16:29 | 2.9 | Bottom | 3 | 2 | 27.91 | 8.27 | 31.89 | 84.3 | 5.53 | 3.6 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS(Mf)9 | 16:12 | 1.0 | Surface | 1 | 1 | 28.08 | 8.27 | 31.93 | 86.9 | 5.69 | 3.0 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS(Mf)9 | 16:12 | 1.0 | Surface | 1 | 2 | 28.08 | 8.27 | 31.91 | 89.4 | 5.86 | 3.1 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS(Mf)9 | 16:12 | 2.7 | Bottom | 3 | 1 | 28.03 | 8.27 | 32.09 | 84.9 | 5.56 | 3.0 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS(Mf)9 | 16:12 | 2.7 | Bottom | 3 | 2 | 27.90 | 8.27 | 32.29 | 85.8 | 5.62 | 3.1 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS10(N) | 16:29 | 1.0 | Surface | 1 | 1 | 27.87 | 7.82 | 24.52 | 83.2 | 5.73 | 3.2 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS10(N) | 16:28 | 1.0 | Surface | 1 | 2 | 27.88 | 7.84 | 24.90 | 82.9 | 5.70 | 3.0 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS10(N) | 16:28 | 5.3 | Middle | 2 | 1 | 27.58 | 7.76 | 27.63 | 78.1 | 5.31 | 4.4 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS10(N) | 16:29 | 5.3 | Middle | 2 | 2 | 27.58 | 7.78 | 27.67 | 78.8 | 5.36 | 4.1 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS10(N) | 16:29 | 9.5 | Bottom | 3 | 1 | 27.54 | 7.78 | 28.06 | 80.7 | 5.48 | 4.3 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | IS10(N) | 16:28 | 9.5 | Bottom | 3 | 2 | 27.53 | 7.76 | 28.03 | 79.2 | 5.39 | 4.5 | 9.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR3(N) | 15:42 | 1.0 | Surface | 1 | 1 | 27.91 | 8.29 | 29.90 | 89.4 | 5.94 | 4.6 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR3(N) | 15:42 | 1.0 | Surface | 1 | 2 | 27.87 | 8.26 | 30.40 | 91.8 | 6.10 | 4.7 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR3(N) | 15:42 | 2.5 | Bottom | 3 | 1 | 27.98 | 8.33 | 29.41 | 87.7 | 5.81 | 4.8 | 9.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR3(N) | 15:42 | 2.5 | Bottom | 3 | 2 | 27.89 | 8.27 | 30.20 | 86.5 | 5.73 | 4.8 | 10.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR4(N) | 16:23 | 1.0 | Surface | 1 | 1 | 28.38 | 8.29 | 31.11 | 91.6 | 6.00 | 2.9 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR4(N) | 16:23 | 1.0 | Surface | 1 | 2 | 28.27 | 8.29 | 31.20 | 94.9 | 6.22 | 2.9 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR4(N) | 16:22 | 2.6 | Bottom | 3 | 1 | 28.18 | 8.29 | 31.45 | 90.0 | 5.89 | 2.8 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR4(N) | 16:23 | 2.6 | Bottom | 3 | 2 | 28.17 | 8.29 | 31.50 | 88.6 | 5.81 | 2.8 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR5(N) | 16:17 | 1.0 | Surface | 1 | 1 | 27.88 | 7.81 | 24.79 | 86.0 | 5.86 | 3.0 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR5(N) | 16:16 | 1.0 | Surface | 1 | 2 | 27.86 | 7.79 | 24.74 | 86.3 | 5.94 | 2.9 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR5(N) | 16:16 | 3.8 | Middle | 2 | 1 | 27.61 | 7.72 | 27.43 | 85.4 | 5.88 | 3.0 | 9.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR5(N) | 16:17 | 3.8 | Middle | 2 | 2 | 27.63 | 7.75 | 27.17 | 83.1 | 5.64 | 3.2 | 10.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR5(N) | 16:17 | 6.6 | Bottom | 3 | 1 | 27.54 | 7.74 | 28.19 | 80.8 | 5.51 | 3.8 | 12.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR5(N) | 16:16 | 6.6 | Bottom | 3 | 2 | 27.56 | 7.72 | 28.04 | 81.5 | 5.63 | 3.4 | 10.9 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10A(N) | 17:10 | 1.0 | Surface | 1 | 1 | 27.48 | 7.74 | 29.25 | 75.9 | 5.13 | 2.6 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10A(N) | 17:10 | 1.0 | Surface | 1 | 2 | 27.46 | 7.73 | 29.29 | 77.0 | 5.21 | 2.9 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10A(N) | 17:09 | 6.8 | Middle | 2 | 1 | 27.36 | 7.73 | 29.82 | 77.2 | 5.21 | 4.1 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10A(N) | 17:10 | 6.8 | Middle | 2 | 2 | 27.40 | 7.74 | 29.63 | 75.2 | 5.08 | 4.0 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10A(N) | 17:10 | 12.5 | Bottom | 3 | 1 | 27.37 | 7.74 | 29.84 | 76.0 | 5.13 | 4.5 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10A(N) | 17:09 | 12.5 | Bottom | 3 | 2 | 27.41 | 7.74 | 29.71 | 78.8 | 5.32 | 4.6 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10B(N2) | 17:20 | 1.0 | Surface | 1 | 1 | 27.49 | 7.75 | 29.23 | 76.4 | 5.16 | 1.7 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10B(N2) | 17:21 | 1.0 | Surface | 1 | 2 | 27.46 | 7.75 | 29.29 | 75.9 | 5.13 | 1.6 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10B(N2) | 17:20 | 3.4 | Middle | 2 | 1 | 27.45 | 7.74 | 29.36 | 75.8 | 5.12 | 2.2 | 11.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10B(N2) | 17:20 | 3.4 | Middle | 2 | 2 | 27.45 | 7.75 | 29.37 | 75.7 | 5.12 | 2.1 | 10.6 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10B(N2) | 17:20 | 5.8 | Bottom | 3 | 1 | 27.42 | 7.75 | 29.56 | 75.8 | 5.12 | 3.6 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | SR10B(N2) | 17:20 | 5.8 | Bottom | 3 | 2 | 27.41 | 7.74 | 29.63 | 75.7 | 5.11 | 3.5 | 10.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS2(A) | 15:30 | 1.0 | Surface | 1 | 1 | 27.64 | 7.90 | 26.20 | 85.0 | 5.82 | 6.8 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS2(A) | 15:29 | 1.0 | Surface | 1 | 2 | 27.60 | 7.91 | 26.03 | 87.7 | 5.98 | 6.6 | 10.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS2(A) | 15:29 | 3.7 | Middle | 2 | 1 | 27.36 | 7.90 | 29.38 | 86.5 | 5.93 | 6.8 | 10.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS2(A) | 15:29 | 3.7 | Middle | 2 | 2 | 27.36 | 7.91 | 29.36 | 85.1 | 5.75 | 7.0 | 11.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS2(A) | 15:29 | 6.4 | Bottom | 3 | 1 | 27.38 | 7.90 | 29.54 | 79.7 | 5.39 | 7.8 | 9.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS2(A) | 15:29 | 6.4 | Bottom | 3 | 2 | 27.36 | 7.87 | 29.53 | 85.1 | 5.75 | 7.5 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS(Mf)5 | 16:52 | 1.0 | Surface | 1 | 1 | 27.75 | 8.31 | 32.62 | 86.2 | 5.61 | 3.5 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS(Mf)5 | 16:52 | 1.0 | Surface | 1 | 2 | 27.79 | 8.31 | 32.56 | 80.9 | 5.27 | 3.3 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS(Mf)5 | 16:52 | 6.0 | Middle | 2 | 1 | 27.42 | 8.29 | 34.62 | 76.5 | 5.01 | 4.3 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS(Mf)5 | 16:51 | 6.0 | Middle | 2 | 2 | 27.41 | 8.29 | 34.62 | 79.3 | 5.20 | 4.5 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS(Mf)5 | 16:52 | 11.0 | Bottom | 3 | 1 | 27.50 | 8.29 | 34.66 | 75.8 | 4.94 | 4.4 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Ebb | Fine | CS(Mf)5 | 16:51 | 11.0 | Bottom | 3 | 2 | 27.43 | 8.30 | 34.79 | 77.4 | 5.04 | 4.4 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS5 | 12:28 | 1.0 | Surface | 1 | 1 | 27.74 | 8.27 | 30.62 | 81.2 | 5.37 | 6.2 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS5 | 12:27 | 1.0 | Surface | 1 | 2 | 27.78 | 8.26 | 30.60 | 83.6 | 5.53 | 6.6 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS5 | 12:27 | 4.3 | Middle | 2 | 1 | 27.62 | 8.26 | 31.02 | 80.9 | 5.36 | 6.7 | 9.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS5 | 12:28 | 4.3 | Middle | 2 | 2 | 27.62 | 8.26 | 31.19 | 80.5 | 5.33 | 6.5 | 9.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS5 | 12:27 | 7.6 | Bottom | 3 | 1 | 27.61 | 8.27 | 31.54 | 80.3 | 5.32 | 6.6 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS5 | 12:28 | 7.6 | Bottom | 3 | 2 | 27.67 | 8.26 | 31.23 | 80.4 | 5.33 | 6.5 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS(Mf)6 | 12:19 | 1.0 | Surface | 1 | 1 | 27.74 | 8.27 | 30.60 | 84.4 | 5.60 | 9.5 | 12.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS(Mf)6 | 12:18 | 1.0 | Surface | 1 | 2 | 27.73 | 8.27 | 30.68 | 87.0 | 5.77 | 9.7 | 11.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS(Mf)6 | 12:18 | 2.3 | Bottom | 3 | 1 | 27.73 | 8.27 | 30.71 | 86.0 | 5.70 | 9.3 | 9.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS(Mf)6 | 12:18 | 2.3 | Bottom | 3 | 2 | 27.72 | 8.27 | 30.91 | 90.1 | 5.97 | 9.7 | 9.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS7 | 12:10 | 1.0 | Surface | 1 | 1 | 27.90 | 8.27 | 30.68 | 85.1 | 5.63 | 2.7 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS7 | 12:10 | 1.0 | Surface | 1 | 2 | 27.91 | 8.27 | 30.63 | 86.2 | 5.70 | 2.6 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS7 | 12:10 | 2.2 | Bottom | 3 | 1 | 27.91 | 8.27 | 30.64 | 84.6 | 5.60 | 3.2 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS7 | 12:10 | 2.2 | Bottom | 3 | 2 | 27.88 | 8.27 | 30.81 | 84.9 | 5.61 | 3.1 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS8 | 11:44 | 1.0 | Surface | 1 | 1 | 27.68 | 8.26 | 31.26 | 91.2 | 6.03 | 5.2 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS8 | 11:44 | 1.0 | Surface | 1 | 2 | 27.68 | 8.27 | 31.26 | 86.8 | 5.74 | 5.3 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS8 | 11:43 | 3.1 | Bottom | 3 | 1 | 27.68 | 8.28 | 31.34 | 85.3 | 5.64 | 5.5 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS8 | 11:44 | 3.1 | Bottom | 3 | 2 | 27.68 | 8.26 | 31.32 | 83.6 | 5.53 | 5.5 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS(Mf)9 | 12:02 | 1.0 | Surface | 1 | 1 | 27.74 | 8.27 | 31.37 | 90.5 | 5.96 | 4.5 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS(Mf)9 | 12:02 | 1.0 | Surface | 1 | 2 | 27.75 | 8.28 | 31.11 | 85.4 | 5.64 | 4.5 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS(Mf)9 | 12:02 | 2.8 | Bottom | 3 | 1 | 27.74 | 8.27 | 31.78 | 80.9 | 5.34 | 4.9 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS(Mf)9 | 12:02 | 2.8 | Bottom | 3 | 2 | 27.73 | 8.28 | 31.97 | 83.0 | 5.46 | 4.8 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS10(N) | 11:38 | 1.0 | Surface | 1 | 1 | 27.57 | 7.73 | 26.74 | 81.7 | 5.57 | 7.1 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS10(N) | 11:37 | 1.0 | Surface | 1 | 2 | 27.61 | 7.71 | 26.59 | 83.1 | 5.67 | 7.4 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS10(N) | 11:38 | 5.4 | Middle | 2 | 1 | 27.50 | 7.72 | 27.29 | 81.5 | 5.57 | 9.1 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS10(N) | 11:37 | 5.4 | Middle | 2 | 2 | 27.51 | 7.71 | 27.20 | 82.2 | 5.62 | 8.9 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS10(N) | 11:38 | 9.7 | Bottom | 3 | 1 | 27.50 | 7.72 | 27.39 | 79.9 | 5.46 | 10.1 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | IS10(N) | 11:37 | 9.7 | Bottom | 3 | 2 | 27.48 | 7.72 | 27.50 | 81.1 | 5.54 | 10.4 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR3(N) | 12:37 | 1.0 | Surface | 1 | 1 | 27.68 | 8.27 | 30.91 | 85.5 | 5.67 | 4.7 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR3(N) | 12:36 | 1.0 | Surface | 1 | 2 | 27.67 | 8.28 | 30.91 | 90.3 | 5.98 | 5.0 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR3(N) | 12:36 | 2.4 | Bottom | 3 | 1 | 27.66 | 8.27 | 30.94 | 87.3 | 5.79 | 5.1 | 9.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR3(N) | 12:36 | 2.4 | Bottom | 3 | 2 | 27.67 | 8.29 | 30.97 | 93.8 | 6.21 | 5.3 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR4(N) | 11:51 | 1.0 | Surface | 1 | 1 | 27.71 | 8.27 | 31.23 | 86.3 | 5.70 | 4.8 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR4(N) | 11:52 | 1.0 | Surface | 1 | 2 | 27.71 | 8.27 | 31.22 | 83.2 | 5.50 | 4.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR4(N) | 11:52 | 2.8 | Bottom | 3 | 1 | 27.68 | 8.27 | 31.32 | 82.4 | 5.45 | 4.7 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR4(N) | 11:51 | 2.8 | Bottom | 3 | 2 | 27.68 | 8.27 | 31.34 | 84.1 | 5.56 | 4.8 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR5(N) | 11:50 | 1.0 | Surface | 1 | 1 | 27.59 | 7.74 | 26.69 | 80.8 | 5.53 | 7.0 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR5(N) | 11:49 | 1.0 | Surface | 1 | 2 | 27.58 | 7.74 | 26.73 | 80.5 | 5.50 | 7.2 | 6.7 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR5(N) | 11:50 | 3.9 | Middle | 2 | 1 | 27.52 | 7.74 | 27.08 | 79.8 | 5.45 | 6.9 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR5(N) | 11:49 | 3.9 | Middle | 2 | 2 | 27.52 | 7.73 | 27.11 | 79.5 | 5.43 | 7.3 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR5(N) | 11:49 | 6.8 | Bottom | 3 | 1 | 27.52 | 7.73 | 27.14 | 81.1 | 5.54 | 8.7 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR5(N) | 11:50 | 6.8 | Bottom | 3 | 2 | 27.54 | 7.74 | 27.04 | 80.9 | 5.53 | 8.3 | 10.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10A(N) | 10:54 | 1.0 | Surface | 1 | 1 | 27.41 | 7.80 | 28.34 | 75.8 | 5.16 | 4.6 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10A(N) | 10:53 | 1.0 | Surface | 1 | 2 | 27.42 | 7.80 | 28.34 | 76.4 | 5.19 | 4.8 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10A(N) | 10:54 | 6.7 | Middle | 2 | 1 | 27.36 | 7.80 | 28.91 | 75.5 | 5.13 | 5.0 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10A(N) | 10:53 | 6.7 | Middle | 2 | 2 | 27.36 | 7.79 | 28.94 | 76.3 | 5.18 | 4.8 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10A(N) | 10:54 | 12.4 | Bottom | 3 | 1 | 27.36 | 7.80 | 28.95 | 75.9 | 5.15 | 4.9 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10A(N) | 10:53 | 12.4 | Bottom | 3 | 2 | 27.36 | 7.79 | 28.91 | 76.9 | 5.22 | 5.1 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10B(N2) | 10:43 | 1.0 | Surface | 1 | 1 | 27.47 | 7.79 | 28.01 | 83.2 | 5.65 | 5.0 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10B(N2) | 10:42 | 1.0 | Surface | 1 | 2 | 27.48 | 7.77 | 27.96 | 80.7 | 5.48 | 4.7 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10B(N2) | 10:43 | 3.3 | Middle | 2 | 1 | 27.38 | 7.78 | 28.70 | 78.4 | 5.34 | 4.3 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10B(N2) | 10:42 | 3.3 | Middle | 2 | 2 | 27.38 | 7.76 | 28.69 | 80.0 | 5.45 | 4.1 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10B(N2) | 10:42 | 5.6 | Bottom | 3 | 1 | 27.38 | 7.76 | 28.77 | 78.3 | 5.32 | 5.1 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | SR10B(N2) | 10:43 | 5.6 | Bottom | 3 | 2 | 27.37 | 7.77 | 28.85 | 77.7 | 5.28 | 5.5 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS2(A) | 12:38 | 1.0 | Surface | 1 | 1 | 27.52 | 7.81 | 26.50 | 92.7 | 6.28 | 7.1 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS2(A) | 12:37 | 1.0 | Surface | 1 | 2 | 27.53 | 7.80 | 26.48 | 88.4 | 5.99 | 7.4 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS2(A) | 12:37 | 3.7 | Middle | 2 | 1 | 27.42 | 7.81 | 28.76 | 85.8 | 5.82 | 6.7 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS2(A) | 12:38 | 3.7 | Middle | 2 | 2 | 27.42 | 7.80 | 28.80 | 87.8 | 6.01 | 7.0 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS2(A) | 12:38 | 6.3 | Bottom | 3 | 1 | 27.43 | 7.80 | 28.78 | 83.7 | 5.67 | 8.7 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS2(A) | 12:37 | 6.3 | Bottom | 3 | 2 | 27.43 | 7.82 | 28.82 | 84.5 | 5.79 | 8.9 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS(Mf)5 | 11:22 | 1.0 | Surface | 1 | 1 | 27.62 | 8.24 | 33.14 | 79.3 | 5.11 | 7.1 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS(Mf)5 | 11:22 | 1.0 | Surface | 1 | 2 | 27.58 | 8.24 | 32.81 | 79.1 | 5.08 | 7.2 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS(Mf)5 | 11:22 | 6.2 | Middle | 2 | 1 | 27.48 | 8.22 | 34.36 | 77.2 | 5.01 | 8.1 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS(Mf)5 | 11:22 | 6.2 | Middle | 2 | 2 | 27.48 | 8.23 | 34.99 | 77.5 | 5.02 | 8.1 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS(Mf)5 | 11:21 | 11.3 | Bottom | 3 | 1 | 27.46 | 8.23 | 35.51 | 74.5 | 4.88 | 8.1 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-01 | Mid-Flood | Sunny | CS(Mf)5 | 11:22 | 11.3 | Bottom | 3 | 2 | 27.50 | 8.22 | 34.72 | 73.5 | 4.82 | 8.2 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS5 | 6:12 | 1.0 | Surface | 1 | 1 | 27.25 | 8.22 | 31.98 | 80.0 | 5.28 | 5.5 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS5 | 6:12 | 1.0 | Surface | 1 | 2 | 27.27 | 8.21 | 32.19 | 80.8 | 5.33 | 5.6 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS5 | 6:11 | 4.2 | Middle | 2 | 1 | 27.35 | 8.21 | 32.56 | 79.7 | 5.28 | 7.1 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS5 | 6:12 | 4.2 | Middle | 2 | 2 | 27.35 | 8.21 | 32.49 | 79.5 | 5.27 | 7.2 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS5 | 6:11 | 7.3 | Bottom | 3 | 1 | 27.36 | 8.21 | 32.61 | 79.9 | 5.27 | 7.3 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS5 | 6:12 | 7.3 | Bottom | 3 | 2 | 27.30 | 8.21 | 32.55 | 79.3 | 5.23 | 7.2 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS(Mf)6 | 6:01 | 1.0 | Surface | 1 | 1 | 27.24 | 8.21 | 32.08 | 81.1 | 5.38 | 3.7 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS(Mf)6 | 6:01 | 1.0 | Surface | 1 | 2 | 27.25 | 8.21 | 32.21 | 81.2 | 5.38 | 3.7 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS(Mf)6 | 6:00 | 2.1 | Bottom | 3 | 1 | 27.30 | 8.20 | 32.50 | 81.8 | 5.41 | 3.8 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS(Mf)6 | 6:01 | 2.1 | Bottom | 3 | 2 | 27.26 | 8.21 | 32.33 | 81.1 | 5.37 | 3.8 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS7 | 5:54 | 1.0 | Surface | 1 | 1 | 27.23 | 8.21 | 32.04 | 82.4 | 5.46 | 3.4 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS7 | 5:54 | 1.0 | Surface | 1 | 2 | 27.23 | 8.21 | 32.02 | 82.0 | 5.44 | 3.4 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS7 | 5:54 | 2.1 | Bottom | 3 | 1 | 27.24 | 8.20 | 32.19 | 82.3 | 5.46 | 3.4 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS7 | 5:54 | 2.1 | Bottom | 3 | 2 | 27.26 | 8.21 | 32.29 | 82.8 | 5.48 | 3.5 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS8 | 5:27 | 1.0 | Surface | 1 | 1 | 27.25 | 8.20 | 32.31 | 81.7 | 5.41 | 4.1 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS8 | 5:27 | 1.0 | Surface | 1 | 2 | 27.24 | 8.20 | 32.16 | 81.4 | 5.39 | 3.9 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS8 | 5:27 | 3.2 | Bottom | 3 | 1 | 27.25 | 8.20 | 32.58 | 82.2 | 5.43 | 4.2 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS8 | 5:27 | 3.2 | Bottom | 3 | 2 | 27.26 | 8.20 | 32.57 | 81.7 | 5.40 | 4.4 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS(Mf)9 | 5:46 | 1.0 | Surface | 1 | 1 | 27.23 | 8.21 | 32.07 | 86.1 | 5.70 | 3.3 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS(Mf)9 | 5:46 | 1.0 | Surface | 1 | 2 | 27.24 | 8.21 | 32.11 | 90.8 | 6.01 | 3.3 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS(Mf)9 | 5:46 | 2.8 | Bottom | 3 | 1 | 27.23 | 8.20 | 32.24 | 84.7 | 5.62 | 3.6 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS(Mf)9 | 5:46 | 2.8 | Bottom | 3 | 2 | 27.24 | 8.21 | 32.35 | 88.1 | 5.84 | 3.5 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS10(N) | 6:17 | 1.0 | Surface | 1 | 1 | 27.12 | 7.91 | 27.39 | 83.2 | 5.70 | 5.5 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS10(N) | 6:17 | 1.0 | Surface | 1 | 2 | 27.09 | 7.92 | 27.39 | 85.1 | 5.83 | 5.7 | 3.7 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS10(N) | 6:16 | 5.3 | Middle | 2 | 1 | 27.31 | 7.91 | 28.71 | 81.0 | 5.49 | 11.7 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS10(N) | 6:17 | 5.3 | Middle | 2 | 2 | 27.33 | 7.91 | 28.91 | 82.0 | 5.56 | 11.1 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS10(N) | 6:16 | 9.6 | Bottom | 3 | 1 | 27.33 | 7.91 | 29.47 | 81.4 | 5.50 | 12.3 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | IS10(N) | 6:17 | 9.6 | Bottom | 3 | 2 | 27.30 | 7.91 | 29.50 | 84.1 | 5.68 | 12.6 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR3(N) | 6:23 | 1.0 | Surface | 1 | 1 | 27.23 | 8.21 | 31.88 | 83.2 | 5.52 | 3.4 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR3(N) | 6:23 | 1.0 | Surface | 1 | 2 | 27.23 | 8.21 | 31.85 | 82.5 | 5.48 | 3.3 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR3(N) | 6:23 | 2.5 | Bottom | 3 | 1 | 27.23 | 8.21 | 32.06 | 84.3 | 5.59 | 3.6 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR3(N) | 6:23 | 2.5 | Bottom | 3 | 2 | 27.23 | 8.21 | 32.00 | 82.9 | 5.50 | 3.5 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR4(N) | 5:34 | 1.0 | Surface | 1 | 1 | 27.23 | 8.21 | 32.10 | 80.9 | 5.36 | 3.6 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR4(N) | 5:34 | 1.0 | Surface | 1 | 2 | 27.23 | 8.21 | 32.09 | 81.3 | 5.39 | 3.6 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR4(N) | 5:34 | 2.6 | Bottom | 3 | 1 | 27.30 | 8.21 | 32.59 | 80.6 | 5.32 | 3.8 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR4(N) | 5:34 | 2.6 | Bottom | 3 | 2 | 27.24 | 8.20 | 32.31 | 81.3 | 5.38 | 3.7 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR5(N) | 6:27 | 1.0 | Surface | 1 | 1 | 27.09 | 7.92 | 27.39 | 86.7 | 5.94 | 3.6 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR5(N) | 6:26 | 1.0 | Surface | 1 | 2 | 27.09 | 7.92 | 27.41 | 86.7 | 5.94 | 3.3 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR5(N) | 6:27 | 3.9 | Middle | 2 | 1 | 27.18 | 7.92 | 28.29 | 84.6 | 5.76 | 7.8 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR5(N) | 6:26 | 3.9 | Middle | 2 | 2 | 27.19 | 7.92 | 27.81 | 83.6 | 5.71 | 8.3 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR5(N) | 6:26 | 6.7 | Bottom | 3 | 1 | 27.32 | 7.91 | 29.46 | 84.5 | 5.70 | 9.5 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR5(N) | 6:27 | 6.7 | Bottom | 3 | 2 | 27.28 | 7.91 | 29.30 | 86.1 | 5.82 | 10.0 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10A(N) | 5:23 | 1.0 | Surface | 1 | 1 | 27.13 | 7.90 | 27.49 | 87.3 | 5.98 | 4.2 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10A(N) | 5:22 | 1.0 | Surface | 1 | 2 | 27.12 | 7.89 | 27.51 | 85.5 | 5.86 | 3.9 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10A(N) | 5:22 | 6.6 | Middle | 2 | 1 | 27.33 | 7.89 | 29.17 | 81.9 | 5.54 | 4.3 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10A(N) | 5:22 | 6.6 | Middle | 2 | 2 | 27.33 | 7.89 | 29.08 | 81.7 | 5.53 | 4.4 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10A(N) | 5:22 | 12.2 | Bottom | 3 | 1 | 27.32 | 7.89 | 29.48 | 83.3 | 5.63 | 5.9 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10A(N) | 5:21 | 12.2 | Bottom | 3 | 2 | 27.31 | 7.80 | 29.44 | 84.2 | 5.69 | 5.6 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10B(N2) | 5:13 | 1.0 | Surface | 1 | 1 | 27.13 | 7.89 | 27.56 | 85.6 | 5.86 | 3.1 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10B(N2) | 5:14 | 1.0 | Surface | 1 | 2 | 27.11 | 7.89 | 27.50 | 85.8 | 5.88 | 2.9 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10B(N2) | 5:13 | 3.5 | Middle | 2 | 1 | 27.18 | 7.88 | 27.83 | 84.2 | 5.75 | 3.0 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10B(N2) | 5:14 | 3.5 | Middle | 2 | 2 | 27.19 | 7.89 | 27.80 | 84.3 | 5.76 | 3.3 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10B(N2) | 5:13 | 5.9 | Bottom | 3 | 1 | 27.27 | 7.88 | 29.54 | 85.6 | 5.78 | 4.5 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | SR10B(N2) | 5:12 | 5.9 | Bottom | 3 | 2 | 27.33 | 7.88 | 29.62 | 83.8 | 5.72 | 4.2 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS2(A) | 7:44 | 1.0 | Surface | 1 | 1 | 27.14 | 7.93 | 27.05 | 84.2 | 5.78 | 6.2 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS2(A) | 7:45 | 1.0 | Surface | 1 | 2 | 27.11 | 7.92 | 26.97 | 86.4 | 5.94 | 6.6 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS2(A) | 7:44 | 3.6 | Middle | 2 | 1 | 27.30 | 7.92 | 27.65 | 82.7 | 5.65 | 8.3 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS2(A) | 7:45 | 3.6 | Middle | 2 | 2 | 27.18 | 7.92 | 27.81 | 83.7 | 5.72 | 7.8 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS2(A) | 7:44 | 6.1 | Bottom | 3 | 1 | 27.31 | 7.92 | 29.15 | 84.2 | 5.70 | 8.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS2(A) | 7:44 | 6.1 | Bottom | 3 | 2 | 27.33 | 7.92 | 29.16 | 84.8 | 5.74 | 8.8 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS(Mf)5 | 5:03 | 1.0 | Surface | 1 | 1 | 27.28 | 8.19 | 32.65 | 86.4 | 5.66 | 7.8 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS(Mf)5 | 5:03 | 1.0 | Surface | 1 | 2 | 27.25 | 8.18 | 33.17 | 91.6 | 5.97 | 8.1 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS(Mf)5 | 5:03 | 6.2 | Middle | 2 | 1 | 27.32 | 8.19 | 33.04 | 82.1 | 5.41 | 8.5 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS(Mf)5 | 5:02 | 6.2 | Middle | 2 | 2 | 27.35 | 8.18 | 34.03 | 83.6 | 5.51 | 8.4 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS(Mf)5 | 5:02 | 11.3 | Bottom | 3 | 1 | 27.33 | 8.20 | 34.70 | 81.0 | 5.35 | 8.5 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Ebb | Fine | CS(Mf)5 | 5:03 | 11.3 | Bottom | 3 | 2 | 27.25 | 8.18 | 33.35 | 81.5 | 5.37 | 8.5 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS5 | 13:43 | 1.0 | Surface | 1 | 1 | 28.15 | 8.08 | 32.87 | 87.7 | 5.71 | 6.3 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS5 | 13:43 | 1.0 | Surface | 1 | 2 | 28.15 | 8.08 | 32.90 | 83.6 | 5.44 | 6.1 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS5 | 13:43 | 4.2 | Middle | 2 | 1 | 27.92 | 8.09 | 33.34 | 85.7 | 5.58 | 6.7 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS5 | 13:43 | 4.2 | Middle | 2 | 2 | 27.87 | 8.08 | 33.35 | 83.1 | 5.40 | 6.7 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS5 | 13:43 | 7.4 | Bottom | 3 | 1 | 27.87 | 8.08 | 33.56 | 82.8 | 5.39 | 6.7 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS5 | 13:43 | 7.4 | Bottom | 3 | 2 | 27.82 | 8.10 | 33.61 | 85.6 | 5.57 | 6.5 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS(Mf)6 | 13:52 | 1.0 | Surface | 1 | 1 | 28.31 | 8.18 | 32.51 | 93.1 | 6.07 | 6.2 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS(Mf)6 | 13:52 | 1.0 | Surface | 1 | 2 | 28.29 | 8.15 | 32.56 | 89.6 | 5.83 | 6.1 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS(Mf)6 | 13:52 | 2.1 | Bottom | 3 | 1 | 28.14 | 8.22 | 32.66 | 91.1 | 5.92 | 6.5 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS(Mf)6 | 13:52 | 2.1 | Bottom | 3 | 2 | 28.22 | 8.16 | 32.64 | 88.8 | 5.77 | 6.4 | 5.6 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS7 | 14:01 | 1.0 | Surface | 1 | 1 | 28.23 | 8.17 | 32.48 | 91.2 | 5.94 | 5.5 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS7 | 14:01 | 1.0 | Surface | 1 | 2 | 28.24 | 8.19 | 32.43 | 96.1 | 6.28 | 5.4 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS7 | 14:01 | 2.1 | Bottom | 3 | 1 | 27.97 | 8.22 | 32.65 | 92.9 | 6.05 | 5.5 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS7 | 14:01 | 2.1 | Bottom | 3 | 2 | 28.16 | 8.18 | 32.58 | 90.0 | 5.86 | 5.5 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS8 | 14:27 | 1.0 | Surface | 1 | 1 | 27.93 | 8.18 | 32.76 | 91.7 | 5.99 | 4.6 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS8 | 14:27 | 1.0 | Surface | 1 | 2 | 27.94 | 8.18 | 32.80 | 95.1 | 6.21 | 4.3 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS8 | 14:27 | 3.2 | Bottom | 3 | 1 | 27.91 | 8.18 | 32.88 | 87.2 | 5.69 | 4.4 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS8 | 14:27 | 3.2 | Bottom | 3 | 2 | 27.88 | 8.20 | 32.81 | 88.6 | 5.78 | 4.5 | 9.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS(Mf)9 | 14:10 | 1.0 | Surface | 1 | 1 | 28.00 | 8.15 | 32.43 | 86.4 | 5.65 | 8.5 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS(Mf)9 | 14:09 | 1.0 | Surface | 1 | 2 | 27.99 | 8.18 | 32.41 | 91.0 | 5.96 | 8.8 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS(Mf)9 | 14:09 | 2.8 | Bottom | 3 | 1 | 27.80 | 8.14 | 32.82 | 86.2 | 5.63 | 8.8 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS(Mf)9 | 14:09 | 2.8 | Bottom | 3 | 2 | 27.78 | 8.20 | 32.76 | 89.1 | 5.83 | 8.9 | 10.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS10(N) | 14:39 | 1.0 | Surface | 1 | 1 | 27.71 | 7.83 | 27.05 | 84.5 | 5.75 | 5.8 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS10(N) | 14:40 | 1.0 | Surface | 1 | 2 | 27.71 | 7.83 | 27.05 | 84.5 | 5.75 | 5.4 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS10(N) | 14:39 | 5.4 | Middle | 2 | 1 | 27.69 | 7.83 | 27.06 | 83.6 | 5.69 | 6.6 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS10(N) | 14:39 | 5.4 | Middle | 2 | 2 | 27.66 | 7.82 | 27.10 | 83.7 | 5.69 | 7.0 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS10(N) | 14:38 | 9.7 | Bottom | 3 | 1 | 27.66 | 7.82 | 27.12 | 84.5 | 5.75 | 7.2 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | IS10(N) | 14:39 | 9.7 | Bottom | 3 | 2 | 27.66 | 7.83 | 27.14 | 84.0 | 5.71 | 7.0 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR3(N) | 13:34 | 1.0 | Surface | 1 | 1 | 28.01 | 8.22 | 29.01 | 88.6 | 5.92 | 8.0 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR3(N) | 13:35 | 1.0 | Surface | 1 | 2 | 27.95 | 8.11 | 29.33 | 85.8 | 5.71 | 7.6 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR3(N) | 13:34 | 2.4 | Bottom | 3 | 1 | 27.86 | 8.36 | 28.75 | 86.6 | 5.77 | 8.1 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR3(N) | 13:34 | 2.4 | Bottom | 3 | 2 | 27.92 | 8.16 | 29.26 | 85.0 | 5.66 | 7.8 | 10.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR4(N) | 14:22 | 1.0 | Surface | 1 | 1 | 28.07 | 8.16 | 32.68 | 83.5 | 5.45 | 4.8 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR4(N) | 14:21 | 1.0 | Surface | 1 | 2 | 28.00 | 8.16 | 32.76 | 82.8 | 5.40 | 4.7 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR4(N) | 14:21 | 2.8 | Bottom | 3 | 1 | 27.83 | 8.15 | 32.99 | 82.7 | 5.40 | 4.8 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR4(N) | 14:21 | 2.8 | Bottom | 3 | 2 | 28.00 | 8.16 | 32.77 | 83.1 | 5.42 | 4.8 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR5(N) | 14:27 | 1.0 | Surface | 1 | 1 | 27.71 | 7.82 | 27.05 | 85.0 | 5.78 | 5.6 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR5(N) | 14:28 | 1.0 | Surface | 1 | 2 | 27.72 | 7.83 | 27.05 | 85.3 | 5.80 | 5.4 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR5(N) | 14:28 | 3.9 | Middle | 2 | 1 | 27.70 | 7.82 | 27.05 | 85.0 | 5.78 | 5.2 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR5(N) | 14:27 | 3.9 | Middle | 2 | 2 | 27.69 | 7.81 | 27.05 | 84.6 | 5.76 | 5.5 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR5(N) | 14:28 | 6.8 | Bottom | 3 | 1 | 27.70 | 7.82 | 27.05 | 85.3 | 5.79 | 4.9 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR5(N) | 14:27 | 6.8 | Bottom | 3 | 2 | 27.68 | 7.81 | 27.05 | 84.8 | 5.77 | 5.2 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10A(N) | 15:28 | 1.0 | Surface | 1 | 1 | 27.52 | 7.80 | 28.82 | 78.3 | 5.29 | 2.2 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10A(N) | 15:29 | 1.0 | Surface | 1 | 2 | 27.54 | 7.81 | 28.74 | 76.7 | 5.19 | 2.3 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10A(N) | 15:29 | 6.7 | Middle | 2 | 1 | 27.36 | 7.80 | 29.86 | 74.3 | 5.01 | 2.3 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10A(N) | 15:27 | 6.7 | Middle | 2 | 2 | 27.37 | 7.79 | 29.83 | 78.9 | 5.31 | 2.3 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10A(N) | 15:28 | 12.3 | Bottom | 3 | 1 | 27.38 | 7.80 | 29.80 | 76.2 | 5.14 | 3.4 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10A(N) | 15:27 | 12.3 | Bottom | 3 | 2 | 27.41 | 7.83 | 29.72 | 76.6 | 5.16 | 3.1 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10B(N2) | 15:40 | 1.0 | Surface | 1 | 1 | 27.49 | 7.82 | 28.95 | 75.6 | 5.11 | 2.2 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10B(N2) | 15:39 | 1.0 | Surface | 1 | 2 | 27.56 | 7.81 | 28.69 | 77.5 | 5.24 | 2.0 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10B(N2) | 15:40 | 3.3 | Middle | 2 | 1 | 27.44 | 7.82 | 29.33 | 75.1 | 5.07 | 2.5 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10B(N2) | 15:39 | 3.3 | Middle | 2 | 2 | 27.43 | 7.81 | 29.36 | 75.4 | 5.09 | 2.3 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10B(N2) | 15:40 | 5.6 | Bottom | 3 | 1 | 27.38 | 7.81 | 29.74 | 75.9 | 5.11 | 3.5 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | SR10B(N2) | 15:39 | 5.6 | Bottom | 3 | 2 | 27.40 | 7.81 | 29.62 | 76.3 | 5.14 | 3.4 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS2(A) | 13:37 | 1.0 | Surface | 1 | 1 | 27.57 | 7.95 | 26.89 | 94.6 | 6.40 | 5.2 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS2(A) | 13:36 | 1.0 | Surface | 1 | 2 | 27.70 | 7.95 | 26.33 | 90.1 | 6.15 | 5.6 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS2(A) | 13:36 | 3.4 | Middle | 2 | 1 | 27.40 | 7.95 | 27.53 | 85.7 | 5.84 | 7.5 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS2(A) | 13:36 | 3.4 | Middle | 2 | 2 | 27.36 | 7.93 | 27.71 | 89.8 | 6.12 | 7.4 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS2(A) | 13:36 | 5.7 | Bottom | 3 | 1 | 27.33 | 7.93 | 28.81 | 86.0 | 5.83 | 8.0 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS2(A) | 13:35 | 5.7 | Bottom | 3 | 2 | 27.37 | 8.00 | 28.78 | 84.3 | 5.74 | 7.6 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS(Mf)5 | 14:58 | 1.0 | Surface | 1 | 1 | 27.71 | 8.21 | 34.24 | 79.5 | 5.28 | 2.6 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS(Mf)5 | 14:59 | 1.0 | Surface | 1 | 2 | 27.71 | 8.20 | 34.27 | 80.5 | 5.33 | 2.8 | 5.8 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS(Mf)5 | 14:58 | 6.3 | Middle | 2 | 1 | 27.56 | 8.20 | 35.35 | 78.1 | 5.05 | 4.2 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS(Mf)5 | 14:58 | 6.3 | Middle | 2 | 2 | 27.55 | 8.20 | 35.45 | 78.0 | 5.02 | 4.4 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS(Mf)5 | 14:57 | 11.6 | Bottom | 3 | 1 | 27.55 | 8.27 | 35.69 | 76.1 | 4.92 | 4.3 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-03 | Mid-Flood | Sunny | CS(Mf)5 | 14:58 | 11.6 | Bottom | 3 | 2 | 27.59 | 8.20 | 35.75 | 73.2 | 4.76 | 4.1 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS5 | 10:12 | 1.0 | Surface | 1 | 1 | 27.10 | 8.36 | 40.67 | 84.8 | 5.37 | 5.2 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS5 | 10:12 | 1.0 | Surface | 1 | 2 | 27.10 | 8.37 | 40.45 | 84.7 | 5.37 | 4.9 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS5 | 10:12 | 4.6 | Middle | 2 | 1 | 27.25 | 8.35 | 41.38 | 82.5 | 5.19 | 8.3 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS5 | 10:11 | 4.6 | Middle | 2 | 2 | 27.27 | 8.36 | 40.87 | 82.1 | 5.18 | 8.4 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS5 | 10:11 | 8.2 | Bottom | 3 | 1 | 27.39 | 8.36 | 41.75 | 83.5 | 5.23 | 11.5 | 10.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS5 | 10:12 | 8.2 | Bottom | 3 | 2 | 27.35 | 8.35 | 42.20 | 83.6 | 5.23 | 11.1 | 10.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS(Mf)6 | 10:01 | 1.0 | Surface | 1 | 1 | 27.29 | 8.33 | 39.68 | 88.1 | 5.60 | 6.6 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS(Mf)6 | 10:02 | 1.0 | Surface | 1 | 2 | 27.29 | 8.32 | 40.00 | 86.8 | 5.50 | 7.0 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS(Mf)6 | 10:02 | 2.0 | Bottom | 3 | 1 | 27.28 | 8.33 | 39.96 | 87.2 | 5.53 | 8.2 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS(Mf)6 | 10:01 | 2.0 | Bottom | 3 | 2 | 27.30 | 8.34 | 39.42 | 90.9 | 5.78 | 8.0 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS7 | 9:50 | 1.0 | Surface | 1 | 1 | 27.22 | 8.32 | 40.02 | 87.8 | 5.57 | 5.2 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS7 | 9:50 | 1.0 | Surface | 1 | 2 | 27.23 | 8.33 | 39.79 | 89.5 | 5.68 | 5.1 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS7 | 9:50 | 2.4 | Bottom | 3 | 1 | 27.22 | 8.32 | 39.99 | 88.2 | 5.60 | 5.7 | 8.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS7 | 9:50 | 2.4 | Bottom | 3 | 2 | 27.22 | 8.33 | 39.66 | 91.9 | 5.84 | 5.8 | 9.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS8 | 9:13 | 1.0 | Surface | 1 | 1 | 27.42 | 8.29 | 41.46 | 86.7 | 5.44 | 11.1 | 12.5 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS8 | 9:14 | 1.0 | Surface | 1 | 2 | 27.43 | 8.27 | 41.10 | 86.4 | 5.43 | 11.4 | 12.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS8 | 9:14 | 3.3 | Bottom | 3 | 1 | 27.47 | 8.28 | 41.27 | 86.3 | 5.42 | 11.8 | 16.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS8 | 9:13 | 3.3 | Bottom | 3 | 2 | 27.47 | 8.28 | 41.95 | 87.5 | 5.47 | 11.7 | 16.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS(Mf)9 | 9:39 | 1.0 | Surface | 1 | 1 | 27.12 | 8.29 | 39.48 | 90.6 | 5.77 | 6.1 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS(Mf)9 | 9:40 | 1.0 | Surface | 1 | 2 | 27.15 | 8.29 | 39.97 | 88.0 | 5.59 | 6.1 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS(Mf)9 | 9:40 | 2.9 | Bottom | 3 | 1 | 27.21 | 8.28 | 39.92 | 88.4 | 5.61 | 6.4 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS(Mf)9 | 9:39 | 2.9 | Bottom | 3 | 2 | 27.19 | 8.29 | 39.28 | 96.5 | 6.15 | 6.7 | 8.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS10(N) | 9:40 | 1.0 | Surface | 1 | 1 | 26.92 | 7.76 | 26.02 | 86.8 | 5.99 | 3.6 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS10(N) | 9:39 | 1.0 | Surface | 1 | 2 | 26.95 | 7.73 | 26.03 | 87.4 | 6.01 | 3.7 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS10(N) | 9:38 | 5.1 | Middle | 2 | 1 | 27.28 | 7.71 | 27.81 | 80.7 | 5.47 | 4.5 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS10(N) | 9:40 | 5.1 | Middle | 2 | 2 | 27.25 | 7.75 | 27.84 | 80.4 | 5.45 | 4.3 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS10(N) | 9:38 | 9.2 | Bottom | 3 | 1 | 27.40 | 7.63 | 29.93 | 79.9 | 5.35 | 5.1 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | IS10(N) | 9:39 | 9.2 | Bottom | 3 | 2 | 27.39 | 7.67 | 29.92 | 80.1 | 5.37 | 4.9 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR3(N) | 10:25 | 1.0 | Surface | 1 | 1 | 26.83 | 8.31 | 40.29 | 86.9 | 5.54 | 8.8 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR3(N) | 10:25 | 1.0 | Surface | 1 | 2 | 26.82 | 8.32 | 39.99 | 88.0 | 5.62 | 8.4 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR3(N) | 10:24 | 3.0 | Bottom | 3 | 1 | 26.96 | 8.32 | 40.44 | 88.9 | 5.65 | 10.5 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR3(N) | 10:25 | 3.0 | Bottom | 3 | 2 | 26.94 | 8.30 | 40.96 | 87.8 | 5.56 | 10.7 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR4(N) | 9:26 | 1.0 | Surface | 1 | 1 | 27.26 | 8.31 | 38.82 | 84.6 | 5.40 | 8.1 | 10.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR4(N) | 9:25 | 1.0 | Surface | 1 | 2 | 27.29 | 8.32 | 38.63 | 86.6 | 5.53 | 8.2 | 10.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR4(N) | 9:25 | 2.9 | Bottom | 3 | 1 | 27.23 | 8.33 | 38.55 | 90.3 | 5.77 | 9.4 | 11.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR4(N) | 9:26 | 2.9 | Bottom | 3 | 2 | 27.18 | 8.32 | 38.85 | 85.3 | 5.45 | 8.8 | 11.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR5(N) | 9:50 | 1.0 | Surface | 1 | 1 | 27.10 | 7.66 | 26.15 | 86.4 | 5.94 | 2.6 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR5(N) | 9:51 | 1.0 | Surface | 1 | 2 | 27.10 | 7.68 | 26.17 | 85.3 | 5.86 | 2.8 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR5(N) | 9:50 | 4.1 | Middle | 2 | 1 | 27.23 | 7.64 | 27.17 | 80.4 | 5.48 | 3.5 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR5(N) | 9:51 | 4.1 | Middle | 2 | 2 | 27.25 | 7.67 | 27.12 | 80.3 | 5.47 | 3.3 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR5(N) | 9:50 | 7.2 | Bottom | 3 | 1 | 27.43 | 7.63 | 29.04 | 79.1 | 5.33 | 4.2 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR5(N) | 9:49 | 7.2 | Bottom | 3 | 2 | 27.44 | 7.63 | 29.08 | 79.8 | 5.36 | 4.3 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10A(N) | 8:28 | 1.0 | Surface | 1 | 1 | 26.83 | 7.65 | 28.07 | 80.0 | 5.47 | 1.7 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10A(N) | 8:29 | 1.0 | Surface | 1 | 2 | 26.85 | 7.66 | 28.04 | 79.5 | 5.43 | 1.5 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10A(N) | 8:27 | 6.9 | Middle | 2 | 1 | 27.30 | 7.64 | 30.29 | 78.8 | 5.26 | 2.6 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10A(N) | 8:28 | 6.9 | Middle | 2 | 2 | 27.30 | 7.64 | 30.34 | 78.8 | 5.27 | 2.5 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10A(N) | 8:28 | 12.8 | Bottom | 3 | 1 | 27.27 | 7.64 | 30.62 | 80.3 | 5.37 | 2.9 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10A(N) | 8:27 | 12.8 | Bottom | 3 | 2 | 27.29 | 7.63 | 30.69 | 80.7 | 5.40 | 2.8 | 4.3 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10B(N2) | 8:13 | 1.0 | Surface | 1 | 1 | 26.81 | 7.64 | 28.34 | 81.1 | 5.52 | 1.2 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10B(N2) | 8:12 | 1.0 | Surface | 1 | 2 | 26.76 | 7.63 | 28.29 | 81.9 | 5.59 | 1.0 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10B(N2) | 8:11 | 3.6 | Middle | 2 | 1 | 27.10 | 7.61 | 29.41 | 79.1 | 5.34 | 2.0 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10B(N2) | 8:12 | 3.6 | Middle | 2 | 2 | 27.08 | 7.62 | 29.47 | 79.4 | 5.37 | 2.1 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10B(N2) | 8:12 | 6.2 | Bottom | 3 | 1 | 27.22 | 7.61 | 30.02 | 79.6 | 5.35 | 2.4 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | SR10B(N2) | 8:11 | 6.2 | Bottom | 3 | 2 | 27.25 | 7.61 | 30.04 | 79.4 | 5.33 | 2.5 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS2(A) | 10:48 | 1.0 | Surface | 1 | 1 | 26.86 | 7.76 | 27.49 | 89.9 | 6.17 | 9.9 | 14.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS2(A) | 10:47 | 1.0 | Surface | 1 | 2 | 26.85 | 7.77 | 27.48 | 90.2 | 6.18 | 9.6 | 14.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS2(A) | 10:48 | 3.8 | Middle | 2 | 1 | 26.93 | 7.77 | 28.06 | 87.5 | 5.97 | 10.5 | 14.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS2(A) | 10:47 | 3.8 | Middle | 2 | 2 | 26.95 | 7.79 | 28.12 | 88.3 | 6.00 | 10.9 | 14.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS2(A) | 10:48 | 6.6 | Bottom | 3 | 1 | 27.21 | 7.78 | 29.94 | 88.6 | 5.95 | 11.9 | 16.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS2(A) | 10:46 | 6.6 | Bottom | 3 | 2 | 27.25 | 7.79 | 29.92 | 88.5 | 5.94 | 11.6 | 17.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS(Mf)5 | 8:34 | 1.0 | Surface | 1 | 1 | 26.66 | 8.29 | 33.75 | 80.4 | 5.33 | 7.8 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS(Mf)5 | 8:35 | 1.0 | Surface | 1 | 2 | 26.64 | 8.31 | 34.11 | 80.7 | 5.34 | 7.2 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS(Mf)5 | 8:35 | 6.8 | Middle | 2 | 1 | 27.48 | 8.29 | 38.63 | 74.4 | 4.74 | 8.5 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS(Mf)5 | 8:34 | 6.8 | Middle | 2 | 2 | 27.49 | 8.26 | 38.09 | 75.7 | 4.84 | 9.2 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS(Mf)5 | 8:33 | 12.5 | Bottom | 3 | 1 | 27.45 | 8.26 | 38.21 | 77.3 | 4.94 | 10.5 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Ebb | Sunny | CS(Mf)5 | 8:35 | 12.5 | Bottom | 3 | 2 | 27.45 | 8.28 | 39.03 | 76.1 | 4.84 | 9.9 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS5 | 15:40 | 1.0 | Surface | 1 | 1 | 27.16 | 8.23 | 33.82 | 98.6 | 6.70 | 9.5 | 12.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS5 | 15:41 | 1.0 | Surface | 1 | 2 | 27.13 | 8.24 | 33.78 | 92.6 | 6.30 | 8.8 | 12.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS5 | 15:41 | 4.5 | Middle | 2 | 1 | 27.16 | 8.24 | 33.82 | 92.3 | 6.28 | 10.3 | 16.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS5 | 15:40 | 4.5 | Middle | 2 | 2 | 27.18 | 8.22 | 33.84 | 96.7 | 6.57 | 10.2 | 16.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS5 | 15:40 | 8.0 | Bottom | 3 | 1 | 27.17 | 8.23 | 33.92 | 91.5 | 6.23 | 10.3 | 17.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS5 | 15:40 | 8.0 | Bottom | 3 | 2 | 27.18 | 8.22 | 33.95 | 94.2 | 6.41 | 10.4 | 16.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS(Mf)6 | 15:50 | 1.0 | Surface | 1 | 1 | 27.15 | 8.25 | 33.82 | 94.2 | 6.41 | 14.5 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS(Mf)6 | 15:50 | 1.0 | Surface | 1 | 2 | 27.16 | 8.25 | 33.81 | 95.7 | 6.50 | 14.4 | 10.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS(Mf)6 | 15:50 | 2.2 | Bottom | 3 | 1 | 27.16 | 8.25 | 33.82 | 95.1 | 6.47 | 14.3 | 15.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS(Mf)6 | 15:50 | 2.2 | Bottom | 3 | 2 | 27.16 | 8.25 | 33.82 | 100.1 | 6.81 | 14.5 | 15.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS7 | 16:00 | 1.0 | Surface | 1 | 1 | 27.21 | 8.26 | 33.92 | 97.7 | 6.64 | 10.6 | 10.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS7 | 16:00 | 1.0 | Surface | 1 | 2 | 27.21 | 8.26 | 33.93 | 100.4 | 6.82 | 10.4 | 10.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS7 | 16:00 | 2.3 | Bottom | 3 | 1 | 27.21 | 8.26 | 33.95 | 99.3 | 6.74 | 10.3 | 11.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS7 | 16:00 | 2.3 | Bottom | 3 | 2 | 27.20 | 8.27 | 33.94 | 102.7 | 6.97 | 10.7 | 12.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS8 | 16:27 | 1.0 | Surface | 1 | 1 | 26.86 | 8.33 | 33.52 | 100.7 | 6.89 | 7.1 | 10.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS8 | 16:27 | 1.0 | Surface | 1 | 2 | 26.87 | 8.31 | 33.52 | 97.2 | 6.65 | 7.5 | 10.5 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS8 | 16:27 | 3.2 | Bottom | 3 | 1 | 26.87 | 8.32 | 33.52 | 97.8 | 6.69 | 7.4 | 11.7 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS8 | 16:27 | 3.2 | Bottom | 3 | 2 | 26.83 | 8.35 | 33.54 | 103.0 | 7.06 | 7.5 | 11.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS(Mf)9 | 16:10 | 1.0 | Surface | 1 | 1 | 26.94 | 8.28 | 33.77 | 97.8 | 6.68 | 10.3 | 26.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS(Mf)9 | 16:10 | 1.0 | Surface | 1 | 2 | 26.94 | 8.27 | 33.74 | 94.7 | 6.47 | 10.2 | 26.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS(Mf)9 | 16:10 | 2.8 | Bottom | 3 | 1 | 26.95 | 8.27 | 33.85 | 95.6 | 6.52 | 10.8 | 14.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS(Mf)9 | 16:10 | 2.8 | Bottom | 3 | 2 | 26.94 | 8.28 | 33.85 | 100.4 | 6.85 | 10.4 | 14.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS10(N) | 16:22 | 1.0 | Surface | 1 | 1 | 27.31 | 7.71 | 27.70 | 84.4 | 5.73 | 6.5 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS10(N) | 16:23 | 1.0 | Surface | 1 | 2 | 27.30 | 7.72 | 27.72 | 84.0 | 5.70 | 6.8 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS10(N) | 16:21 | 5.2 | Middle | 2 | 1 | 27.36 | 7.68 | 28.06 | 81.7 | 5.53 | 7.4 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS10(N) | 16:23 | 5.2 | Middle | 2 | 2 | 27.36 | 7.69 | 28.07 | 81.7 | 5.52 | 7.7 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS10(N) | 16:22 | 9.4 | Bottom | 3 | 1 | 27.38 | 7.68 | 29.07 | 80.7 | 5.43 | 8.1 | 9.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | IS10(N) | 16:21 | 9.4 | Bottom | 3 | 2 | 27.39 | 7.67 | 29.06 | 80.9 | 5.44 | 8.1 | 9.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR3(N) | 15:32 | 1.0 | Surface | 1 | 1 | 27.10 | 8.23 | 32.86 | 90.8 | 6.18 | 10.7 | 12.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR3(N) | 15:32 | 1.0 | Surface | 1 | 2 | 27.09 | 8.25 | 32.84 | 90.7 | 6.17 | 10.3 | 12.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR3(N) | 15:32 | 2.6 | Bottom | 3 | 1 | 27.10 | 8.16 | 32.90 | 91.8 | 6.25 | 10.1 | 14.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR3(N) | 15:32 | 2.6 | Bottom | 3 | 2 | 27.10 | 8.24 | 32.85 | 90.8 | 6.18 | 9.9 | 14.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR4(N) | 16:21 | 1.0 | Surface | 1 | 1 | 26.82 | 8.29 | 33.17 | 97.6 | 6.70 | 8.6 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR4(N) | 16:21 | 1.0 | Surface | 1 | 2 | 26.80 | 8.31 | 33.18 | 100.8 | 6.92 | 8.5 | 6.4 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR4(N) | 16:21 | 2.7 | Bottom | 3 | 1 | 26.74 | 8.34 | 33.44 | 101.7 | 6.98 | 8.7 | 11.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR4(N) | 16:21 | 2.7 | Bottom | 3 | 2 | 26.82 | 8.29 | 33.33 | 99.3 | 6.81 | 8.9 | 11.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR5(N) | 16:14 | 1.0 | Surface | 1 | 1 | 27.46 | 7.78 | 27.25 | 90.4 | 6.13 | 4.3 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR5(N) | 16:13 | 1.0 | Surface | 1 | 2 | 27.46 | 7.75 | 27.20 | 91.0 | 6.18 | 4.5 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR5(N) | 16:13 | 4.2 | Middle | 2 | 1 | 27.46 | 7.73 | 27.52 | 87.7 | 5.94 | 5.8 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR5(N) | 16:14 | 4.2 | Middle | 2 | 2 | 27.47 | 7.75 | 27.51 | 87.3 | 5.91 | 5.9 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR5(N) | 16:12 | 7.4 | Bottom | 3 | 1 | 27.42 | 7.71 | 28.87 | 85.6 | 5.76 | 6.6 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR5(N) | 16:13 | 7.4 | Bottom | 3 | 2 | 27.42 | 7.73 | 28.80 | 85.0 | 5.74 | 6.5 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10A(N) | 17:22 | 1.0 | Surface | 1 | 1 | 27.31 | 7.68 | 29.62 | 79.9 | 5.37 | 3.6 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10A(N) | 17:23 | 1.0 | Surface | 1 | 2 | 27.30 | 7.70 | 29.64 | 79.5 | 5.34 | 3.5 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10A(N) | 17:22 | 7.0 | Middle | 2 | 1 | 27.32 | 7.67 | 30.64 | 78.3 | 5.22 | 4.4 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10A(N) | 17:23 | 7.0 | Middle | 2 | 2 | 27.32 | 7.68 | 30.63 | 78.1 | 5.21 | 4.1 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10A(N) | 17:23 | 13.0 | Bottom | 3 | 1 | 27.31 | 7.68 | 30.83 | 79.3 | 5.29 | 5.0 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10A(N) | 17:21 | 13.0 | Bottom | 3 | 2 | 27.32 | 7.67 | 30.86 | 79.4 | 5.28 | 5.3 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10B(N2) | 17:33 | 1.0 | Surface | 1 | 1 | 27.28 | 7.72 | 29.32 | 79.1 | 5.32 | 2.5 | 3.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10B(N2) | 17:34 | 1.0 | Surface | 1 | 2 | 27.29 | 7.73 | 29.39 | 78.7 | 5.29 | 2.7 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10B(N2) | 17:34 | 3.7 | Middle | 2 | 1 | 27.30 | 7.72 | 30.33 | 77.2 | 5.18 | 2.8 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10B(N2) | 17:33 | 3.7 | Middle | 2 | 2 | 27.30 | 7.71 | 30.27 | 77.4 | 5.18 | 2.9 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10B(N2) | 17:32 | 6.4 | Bottom | 3 | 1 | 27.31 | 7.71 | 30.59 | 79.0 | 5.28 | 3.2 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | SR10B(N2) | 17:33 | 6.4 | Bottom | 3 | 2 | 27.31 | 7.72 | 30.60 | 78.2 | 5.22 | 3.3 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS2(A) | 15:23 | 1.0 | Surface | 1 | 1 | 27.23 | 7.86 | 26.57 | 92.5 | 6.33 | 7.3 | 10.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS2(A) | 15:24 | 1.0 | Surface | 1 | 2 | 27.23 | 7.85 | 26.64 | 91.5 | 6.26 | 7.1 | 10.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS2(A) | 15:23 | 3.9 | Middle | 2 | 1 | 27.09 | 7.84 | 26.96 | 86.3 | 5.91 | 7.6 | 11.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS2(A) | 15:24 | 3.9 | Middle | 2 | 2 | 27.11 | 7.84 | 26.87 | 86.2 | 5.90 | 7.6 | 11.1 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS2(A) | 15:24 | 6.8 | Bottom | 3 | 1 | 27.29 | 7.84 | 30.09 | 85.4 | 5.72 | 8.2 | 11.6 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS2(A) | 15:22 | 6.8 | Bottom | 3 | 2 | 27.30 | 7.85 | 30.14 | 85.9 | 5.75 | 8.5 | 12.0 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS(Mf)5 | 16:58 | 1.0 | Surface | 1 | 1 | 26.71 | 8.28 | 33.11 | 84.4 | 5.77 | 3.6 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS(Mf)5 | 16:59 | 1.0 | Surface | 1 | 2 | 26.72 | 8.29 | 33.01 | 82.2 | 5.52 | 3.8 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS(Mf)5 | 16:59 | 6.6 | Middle | 2 | 1 | 26.82 | 8.25 | 35.16 | 79.5 | 5.44 | 5.7 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS(Mf)5 | 16:58 | 6.6 | Middle | 2 | 2 | 26.81 | 8.25 | 35.04 | 84.8 | 5.68 | 5.6 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS(Mf)5 | 16:58 | 12.1 | Bottom | 3 | 1 | 26.83 | 8.25 | 35.26 | 80.2 | 5.39 | 5.6 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-05 | Mid-Flood | Sunny | CS(Mf)5 | 16:59 | 12.1 | Bottom | 3 | 2 | 26.82 | 8.24 | 35.25 | 77.8 | 5.22 | 5.6 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS5 | 10:56 | 1.0 | Surface | 1 | 1 | 26.77 | 8.21 | 29.68 | 92.8 | 6.28 | 12.7 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS5 | 10:57 | 1.0 | Surface | 1 | 2 | 26.76 | 8.19 | 29.69 | 87.7 | 5.93 | 12.5 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS5 | 10:56 | 4.2 | Middle | 2 | 1 | 26.68 | 8.21 | 30.15 | 87.4 | 5.92 | 12.8 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS5 | 10:56 | 4.2 | Middle | 2 | 2 | 26.68 | 8.24 | 30.16 | 90.4 | 6.12 | 12.8 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS5 | 10:56 | 7.3 | Bottom | 3 | 1 | 26.67 | 8.25 | 30.23 | 89.0 | 6.03 | 12.8 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS5 | 10:56 | 7.3 | Bottom | 3 | 2 | 26.68 | 8.21 | 30.22 | 87.4 | 5.91 | 12.7 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS(Mf)6 | 11:03 | 1.0 | Surface | 1 | 1 | 26.79 | 8.22 | 29.36 | 95.2 | 6.46 | 11.8 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS(Mf)6 | 11:04 | 1.0 | Surface | 1 | 2 | 26.78 | 8.20 | 29.37 | 89.1 | 6.05 | 11.4 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS(Mf)6 | 11:03 | 2.1 | Bottom | 3 | 1 | 26.78 | 8.21 | 29.37 | 87.8 | 5.95 | 11.0 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS(Mf)6 | 11:03 | 2.1 | Bottom | 3 | 2 | 26.76 | 8.25 | 29.38 | 91.5 | 6.21 | 11.0 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS7 | 11:11 | 1.0 | Surface | 1 | 1 | 26.70 | 8.18 | 29.15 | 91.6 | 6.23 | 4.7 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS7 | 11:10 | 1.0 | Surface | 1 | 2 | 26.70 | 8.20 | 29.16 | 94.9 | 6.46 | 4.9 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS7 | 11:10 | 2.1 | Bottom | 3 | 1 | 26.71 | 8.19 | 29.16 | 93.3 | 6.35 | 5.5 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS7 | 11:10 | 2.1 | Bottom | 3 | 2 | 26.68 | 8.22 | 29.16 | 97.3 | 6.62 | 5.6 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS8 | 11:34 | 1.0 | Surface | 1 | 1 | 26.86 | 8.19 | 29.21 | 89.6 | 6.07 | 6.2 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS8 | 11:34 | 1.0 | Surface | 1 | 2 | 26.81 | 8.22 | 29.25 | 93.1 | 6.32 | 6.0 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS8 | 11:34 | 3.0 | Bottom | 3 | 1 | 26.71 | 8.24 | 29.21 | 95.8 | 6.51 | 6.5 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS8 | 11:34 | 3.0 | Bottom | 3 | 2 | 26.73 | 8.20 | 29.26 | 90.0 | 6.11 | 6.2 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS(Mf)9 | 11:18 | 1.0 | Surface | 1 | 1 | 26.95 | 8.21 | 29.20 | 93.4 | 6.33 | 3.8 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS(Mf)9 | 11:18 | 1.0 | Surface | 1 | 2 | 26.94 | 8.23 | 29.21 | 95.8 | 6.49 | 3.9 | 2.9 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS(Mf)9 | 11:18 | 2.6 | Bottom | 3 | 1 | 26.90 | 8.22 | 29.19 | 94.2 | 6.38 | 3.9 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS(Mf)9 | 11:18 | 2.6 | Bottom | 3 | 2 | 26.83 | 8.25 | 29.23 | 97.3 | 6.60 | 3.8 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS10(N) | 11:42 | 1.0 | Surface | 1 | 1 | 27.41 | 7.89 | 28.03 | 88.8 | 6.01 | 5.3 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS10(N) | 11:40 | 1.0 | Surface | 1 | 2 | 27.43 | 7.89 | 28.03 | 89.1 | 6.02 | 5.4 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS10(N) | 11:40 | 5.3 | Middle | 2 | 1 | 27.26 | 7.91 | 28.45 | 87.9 | 5.95 | 5.7 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS10(N) | 11:41 | 5.3 | Middle | 2 | 2 | 27.24 | 7.90 | 28.43 | 87.6 | 5.93 | 5.5 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS10(N) | 11:41 | 9.6 | Bottom | 3 | 1 | 27.10 | 7.92 | 29.19 | 87.2 | 5.89 | 6.6 | 9.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | IS10(N) | 11:40 | 9.6 | Bottom | 3 | 2 | 27.11 | 7.93 | 29.26 | 87.4 | 5.90 | 6.4 | 9.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR3(N) | 10:48 | 1.0 | Surface | 1 | 1 | 26.79 | 8.21 | 29.44 | 87.9 | 5.96 | 10.0 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR3(N) | 10:48 | 1.0 | Surface | 1 | 2 | 26.77 | 8.23 | 29.43 | 89.5 | 6.07 | 10.2 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR3(N) | 10:48 | 2.4 | Bottom | 3 | 1 | 26.72 | 8.27 | 29.63 | 92.6 | 6.28 | 10.0 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR3(N) | 10:48 | 2.4 | Bottom | 3 | 2 | 26.73 | 8.22 | 29.55 | 88.7 | 6.01 | 10.4 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR4(N) | 11:29 | 1.0 | Surface | 1 | 1 | 26.78 | 8.23 | 28.80 | 88.6 | 6.03 | 7.5 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR4(N) | 11:28 | 1.0 | Surface | 1 | 2 | 26.77 | 8.24 | 28.89 | 91.2 | 6.21 | 7.4 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR4(N) | 11:28 | 2.7 | Bottom | 3 | 1 | 26.74 | 8.27 | 29.07 | 94.9 | 6.46 | 7.5 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR4(N) | 11:29 | 2.7 | Bottom | 3 | 2 | 26.76 | 8.23 | 29.05 | 89.3 | 6.07 | 7.2 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR5(N) | 11:31 | 1.0 | Surface | 1 | 1 | 27.32 | 7.92 | 28.20 | 89.6 | 6.06 | 7.5 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR5(N) | 11:32 | 1.0 | Surface | 1 | 2 | 27.38 | 7.90 | 28.10 | 89.6 | 6.06 | 7.7 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR5(N) | 11:31 | 4.0 | Middle | 2 | 1 | 27.24 | 7.93 | 28.43 | 88.9 | 6.02 | 8.7 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR5(N) | 11:32 | 4.0 | Middle | 2 | 2 | 27.28 | 7.92 | 28.42 | 88.8 | 6.01 | 8.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR5(N) | 11:31 | 7.0 | Bottom | 3 | 1 | 27.10 | 7.95 | 29.14 | 88.9 | 6.01 | 9.1 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR5(N) | 11:32 | 7.0 | Bottom | 3 | 2 | 27.11 | 7.93 | 29.14 | 88.3 | 5.97 | 8.9 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10A(N) | 12:26 | 1.0 | Surface | 1 | 1 | 27.46 | 7.95 | 29.35 | 85.1 | 5.71 | 3.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10A(N) | 12:27 | 1.0 | Surface | 1 | 2 | 27.39 | 7.94 | 29.47 | 84.9 | 5.70 | 3.3 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10A(N) | 12:27 | 6.8 | Middle | 2 | 1 | 27.31 | 7.94 | 29.59 | 83.3 | 5.59 | 4.2 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10A(N) | 12:26 | 6.8 | Middle | 2 | 2 | 27.28 | 7.94 | 29.65 | 82.7 | 5.55 | 4.4 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10A(N) | 12:25 | 12.6 | Bottom | 3 | 1 | 27.20 | 7.94 | 30.09 | 82.1 | 5.51 | 4.9 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10A(N) | 12:26 | 12.6 | Bottom | 3 | 2 | 27.21 | 7.93 | 29.99 | 82.4 | 5.53 | 4.7 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10B(N2) | 12:36 | 1.0 | Surface | 1 | 1 | 27.46 | 7.94 | 29.35 | 86.3 | 5.79 | 3.5 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10B(N2) | 12:37 | 1.0 | Surface | 1 | 2 | 27.41 | 7.93 | 29.42 | 86.0 | 5.77 | 3.5 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10B(N2) | 12:37 | 3.8 | Middle | 2 | 1 | 27.38 | 7.93 | 29.47 | 84.8 | 5.69 | 3.5 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10B(N2) | 12:36 | 3.8 | Middle | 2 | 2 | 27.44 | 7.94 | 29.37 | 84.9 | 5.70 | 3.7 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10B(N2) | 12:35 | 6.5 | Bottom | 3 | 1 | 27.23 | 7.93 | 29.79 | 83.4 | 5.60 | 3.8 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | SR10B(N2) | 12:36 | 6.5 | Bottom | 3 | 2 | 27.20 | 7.92 | 30.12 | 83.5 | 5.60 | 3.9 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS2(A) | 10:38 | 1.0 | Surface | 1 | 1 | 27.25 | 7.96 | 30.06 | 93.3 | 6.26 | 8.4 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS2(A) | 10:39 | 1.0 | Surface | 1 | 2 | 27.28 | 7.96 | 30.02 | 93.8 | 6.28 | 8.3 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS2(A) | 10:38 | 3.8 | Middle | 2 | 1 | 27.05 | 7.96 | 30.66 | 92.0 | 6.17 | 10.5 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS2(A) | 10:39 | 3.8 | Middle | 2 | 2 | 27.05 | 7.96 | 30.65 | 92.0 | 6.17 | 10.4 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS2(A) | 10:39 | 6.6 | Bottom | 3 | 1 | 27.05 | 7.96 | 30.76 | 91.9 | 6.16 | 11.2 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS2(A) | 10:38 | 6.6 | Bottom | 3 | 2 | 27.05 | 7.97 | 30.76 | 91.8 | 6.15 | 11.0 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS(Mf)5 | 12:00 | 1.0 | Surface | 1 | 1 | 26.79 | 8.22 | 29.63 | 85.2 | 5.77 | 8.1 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS(Mf)5 | 11:59 | 1.0 | Surface | 1 | 2 | 26.82 | 8.25 | 29.62 | 87.6 | 5.92 | 8.2 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS(Mf)5 | 11:59 | 6.0 | Middle | 2 | 1 | 26.67 | 8.26 | 29.96 | 86.1 | 5.83 | 10.4 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS(Mf)5 | 11:59 | 6.0 | Middle | 2 | 2 | 26.67 | 8.22 | 29.90 | 84.8 | 5.74 | 10.3 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS(Mf)5 | 11:59 | 11.0 | Bottom | 3 | 1 | 26.67 | 8.26 | 30.34 | 86.0 | 5.83 | 10.4 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Ebb | Sunny | CS(Mf)5 | 11:59 | 11.0 | Bottom | 3 | 2 | 26.68 | 8.23 | 30.04 | 83.9 | 5.69 | 10.5 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS5 | 5:31 | 1.0 | Surface | 1 | 1 | 26.66 | 8.17 | 29.81 | 82.9 | 5.58 | 6.1 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS5 | 5:31 | 1.0 | Surface | 1 | 2 | 26.66 | 8.17 | 29.83 | 81.2 | 5.49 | 6.3 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS5 | 5:31 | 4.5 | Middle | 2 | 1 | 26.66 | 8.16 | 30.95 | 81.0 | 5.47 | 6.2 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS5 | 5:31 | 4.5 | Middle | 2 | 2 | 26.66 | 8.16 | 30.95 | 81.5 | 5.52 | 6.3 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS5 | 5:30 | 7.9 | Bottom | 3 | 1 | 26.67 | 8.16 | 30.98 | 81.3 | 5.49 | 6.3 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS5 | 5:31 | 7.9 | Bottom | 3 | 2 | 26.67 | 8.16 | 30.97 | 80.8 | 5.44 | 6.2 | 5.2 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS(Mf)6 | 5:18 | 1.0 | Surface | 1 | 1 | 26.65 | 8.18 | 29.88 | 84.9 | 5.76 | 6.2 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS(Mf)6 | 5:19 | 1.0 | Surface | 1 | 2 | 26.66 | 8.18 | 29.81 | 84.7 | 5.74 | 6.4 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS(Mf)6 | 5:18 | 2.2 | Bottom | 3 | 1 | 26.64 | 8.18 | 30.13 | 85.6 | 5.80 | 6.5 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS(Mf)6 | 5:19 | 2.2 | Bottom | 3 | 2 | 26.64 | 8.17 | 30.19 | 84.8 | 5.74 | 6.5 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS7 | 5:12 | 1.0 | Surface | 1 | 1 | 26.65 | 8.18 | 29.81 | 83.9 | 5.69 | 7.5 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS7 | 5:11 | 1.0 | Surface | 1 | 2 | 26.65 | 8.17 | 29.90 | 83.2 | 5.64 | 7.8 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS7 | 5:11 | 2.2 | Bottom | 3 | 1 | 26.64 | 8.17 | 30.32 | 83.3 | 5.64 | 7.8 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS7 | 5:12 | 2.2 | Bottom | 3 | 2 | 26.64 | 8.17 | 30.18 | 83.5 | 5.65 | 7.6 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS8 | 4:48 | 1.0 | Surface | 1 | 1 | 26.64 | 8.17 | 30.04 | 83.4 | 5.65 | 9.4 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS8 | 4:49 | 1.0 | Surface | 1 | 2 | 26.65 | 8.17 | 30.00 | 83.4 | 5.65 | 9.5 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS8 | 4:49 | 3.2 | Bottom | 3 | 1 | 26.64 | 8.16 | 30.36 | 83.4 | 5.64 | 10.0 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS8 | 4:48 | 3.2 | Bottom | 3 | 2 | 26.64 | 8.17 | 30.30 | 83.6 | 5.65 | 10.1 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS(Mf)9 | 5:05 | 1.0 | Surface | 1 | 1 | 26.65 | 8.17 | 30.10 | 85.6 | 5.80 | 8.4 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS(Mf)9 | 5:06 | 1.0 | Surface | 1 | 2 | 26.65 | 8.17 | 29.95 | 84.6 | 5.73 | 8.3 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS(Mf)9 | 5:06 | 2.8 | Bottom | 3 | 1 | 26.65 | 8.17 | 30.19 | 85.2 | 5.77 | 8.5 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS(Mf)9 | 5:05 | 2.8 | Bottom | 3 | 2 | 26.65 | 8.17 | 30.62 | 87.3 | 5.89 | 8.4 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS10(N) | 5:20 | 1.0 | Surface | 1 | 1 | 27.23 | 7.92 | 28.75 | 84.6 | 5.72 | 7.1 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS10(N) | 5:19 | 1.0 | Surface | 1 | 2 | 27.20 | 7.93 | 28.75 | 84.3 | 5.70 | 7.3 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS10(N) | 5:20 | 5.4 | Middle | 2 | 1 | 27.14 | 7.92 | 28.91 | 82.3 | 5.56 | 7.4 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS10(N) | 5:19 | 5.4 | Middle | 2 | 2 | 27.14 | 7.93 | 28.91 | 82.0 | 5.55 | 7.5 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS10(N) | 5:18 | 9.8 | Bottom | 3 | 1 | 27.19 | 7.91 | 30.09 | 81.1 | 5.44 | 8.0 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | IS10(N) | 5:19 | 9.8 | Bottom | 3 | 2 | 27.19 | 7.90 | 30.09 | 81.1 | 5.44 | 8.0 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR3(N) | 5:45 | 1.0 | Surface | 1 | 1 | 26.65 | 8.18 | 29.87 | 85.9 | 5.82 | 6.3 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR3(N) | 5:45 | 1.0 | Surface | 1 | 2 | 26.65 | 8.18 | 29.93 | 84.7 | 5.74 | 6.4 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR3(N) | 5:45 | 2.6 | Bottom | 3 | 1 | 26.64 | 8.18 | 30.24 | 87.5 | 5.92 | 6.5 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR3(N) | 5:45 | 2.6 | Bottom | 3 | 2 | 26.64 | 8.17 | 30.26 | 85.3 | 5.77 | 6.5 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR4(N) | 4:55 | 1.0 | Surface | 1 | 1 | 26.65 | 8.17 | 29.93 | 82.8 | 5.62 | 4.8 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR4(N) | 4:55 | 1.0 | Surface | 1 | 2 | 26.65 | 8.17 | 29.92 | 82.7 | 5.60 | 4.7 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR4(N) | 4:54 | 2.8 | Bottom | 3 | 1 | 26.66 | 8.16 | 30.84 | 82.8 | 5.58 | 4.9 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR4(N) | 4:55 | 2.8 | Bottom | 3 | 2 | 26.65 | 8.16 | 30.56 | 82.8 | 5.59 | 4.8 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR5(N) | 5:28 | 1.0 | Surface | 1 | 1 | 27.20 | 7.92 | 28.78 | 84.3 | 5.70 | 6.9 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR5(N) | 5:29 | 1.0 | Surface | 1 | 2 | 27.21 | 7.92 | 28.78 | 84.5 | 5.71 | 6.7 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR5(N) | 5:28 | 4.1 | Middle | 2 | 1 | 27.14 | 7.92 | 28.99 | 82.7 | 5.59 | 6.9 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR5(N) | 5:29 | 4.1 | Middle | 2 | 2 | 27.14 | 7.92 | 28.96 | 83.0 | 5.61 | 7.0 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR5(N) | 5:29 | 7.2 | Bottom | 3 | 1 | 27.19 | 7.90 | 30.09 | 82.1 | 5.51 | 7.1 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR5(N) | 5:28 | 7.2 | Bottom | 3 | 2 | 27.19 | 7.90 | 30.11 | 81.9 | 5.50 | 7.0 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10A(N) | 4:32 | 1.0 | Surface | 1 | 1 | 27.15 | 7.89 | 30.49 | 81.6 | 5.47 | 4.2 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10A(N) | 4:31 | 1.0 | Surface | 1 | 2 | 27.16 | 7.89 | 30.49 | 81.8 | 5.48 | 4.0 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10A(N) | 4:31 | 6.9 | Middle | 2 | 1 | 27.15 | 7.89 | 30.52 | 81.1 | 5.43 | 4.6 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10A(N) | 4:32 | 6.9 | Middle | 2 | 2 | 27.15 | 7.89 | 30.62 | 81.0 | 5.42 | 4.7 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10A(N) | 4:31 | 12.7 | Bottom | 3 | 1 | 27.15 | 7.89 | 30.65 | 81.0 | 5.42 | 4.8 | 9.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10A(N) | 4:30 | 12.7 | Bottom | 3 | 2 | 27.15 | 7.89 | 30.67 | 81.0 | 5.42 | 5.0 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10B(N2) | 4:23 | 1.0 | Surface | 1 | 1 | 27.15 | 7.89 | 30.50 | 81.4 | 5.45 | 4.6 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10B(N2) | 4:22 | 1.0 | Surface | 1 | 2 | 27.14 | 7.89 | 30.50 | 81.4 | 5.46 | 4.5 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10B(N2) | 4:22 | 4 | Middle | 2 | 1 | 27.15 | 7.90 | 30.56 | 81.0 | 5.43 | 4.8 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10B(N2) | 4:23 | 4 | Middle | 2 | 2 | 27.15 | 7.89 | 30.56 | 81.1 | 5.43 | 4.7 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10B(N2) | 4:21 | 7.0 | Bottom | 3 | 1 | 27.15 | 7.92 | 30.69 | 80.8 | 5.41 | 4.9 | 8.9 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | SR10B(N2) | 4:22 | 7.0 | Bottom | 3 | 2 | 27.15 | 7.89 | 30.70 | 80.9 | 5.41 | 4.7 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS2(A) | 6:21 | 1.0 | Surface | 1 | 1 | 27.21 | 7.97 | 30.44 | 91.0 | 6.09 | 11.2 | 12.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS2(A) | 6:21 | 1.0 | Surface | 1 | 2 | 27.21 | 7.97 | 30.45 | 90.9 | 6.08 | 11.4 | 11.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS2(A) | 6:20 | 4.0 | Middle | 2 | 1 | 27.07 | 7.97 | 30.54 | 90.2 | 6.05 | 11.8 | 14.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS2(A) | 6:21 | 4.0 | Middle | 2 | 2 | 27.07 | 7.96 | 30.58 | 90.2 | 6.05 | 11.7 | 14.3 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS2(A) | 6:20 | 7.0 | Bottom | 3 | 1 | 27.07 | 7.97 | 30.64 | 90.2 | 6.04 | 12.0 | 16.7 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS2(A) | 6:21 | 7.0 | Bottom | 3 | 2 | 27.06 | 7.97 | 30.65 | 90.2 | 6.04 | 12.2 | 16.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS(Mf)5 | 4:22 | 1.0 | Surface | 1 | 1 | 26.64 | 8.16 | 29.78 | 82.9 | 5.62 | 8.3 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS(Mf)5 | 4:23 | 1.0 | Surface | 1 | 2 | 26.65 | 8.16 | 29.81 | 83.1 | 5.60 | 8.5 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS(Mf)5 | 4:23 | 6.3 | Middle | 2 | 1 | 26.66 | 8.14 | 31.00 | 82.0 | 5.56 | 8.5 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS(Mf)5 | 4:22 | 6.3 | Middle | 2 | 2 | 26.66 | 8.14 | 31.01 | 82.0 | 5.52 | 8.5 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS(Mf)5 | 4:22 | 11.6 | Bottom | 3 | 1 | 26.67 | 8.14 | 31.17 | 80.9 | 5.45 | 8.5 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-08 | Mid-Flood | Fine | CS(Mf)5 | 4:22 | 11.6 | Bottom | 3 | 2 | 26.66 | 8.14 | 31.09 | 81.5 | 5.49 | 8.4 | 9.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS5 | 12:25 | 1.0 | Surface | 1 | 1 | 26.70 | 8.43 | 29.37 | 88.0 | 5.96 | 9.6 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS5 | 12:26 | 1.0 | Surface | 1 | 2 | 26.72 | 8.43 | 29.66 | 88.4 | 5.98 | 9.7 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS5 | 12:25 | 4.2 | Middle | 2 | 1 | 26.74 | 8.42 | 29.90 | 87.7 | 5.94 | 9.7 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS5 | 12:25 | 4.2 | Middle | 2 | 2 | 26.74 | 8.43 | 29.90 | 87.9 | 5.97 | 9.7 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS5 | 12:24 | 7.4 | Bottom | 3 | 1 | 26.73 | 8.41 | 29.91 | 87.6 | 5.93 | 9.8 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS5 | 12:25 | 7.4 | Bottom | 3 | 2 | 26.74 | 8.43 | 29.89 | 87.6 | 5.94 | 9.9 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS(Mf)6 | 12:45 | 1.0 | Surface | 1 | 1 | 26.67 | 8.42 | 29.68 | 86.9 | 5.89 | 9.0 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS(Mf)6 | 12:46 | 1.0 | Surface | 1 | 2 | 26.67 | 8.43 | 29.66 | 87.2 | 5.91 | 8.8 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS(Mf)6 | 12:45 | 2.2 | Bottom | 3 | 1 | 26.71 | 8.42 | 29.84 | 86.4 | 5.87 | 9.4 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS(Mf)6 | 12:46 | 2.2 | Bottom | 3 | 2 | 26.69 | 8.42 | 29.81 | 86.6 | 5.87 | 9.3 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS7 | 12:53 | 1.0 | Surface | 1 | 1 | 26.75 | 8.43 | 29.49 | 86.0 | 5.84 | 8.5 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS7 | 12:52 | 1.0 | Surface | 1 | 2 | 26.75 | 8.42 | 29.47 | 85.0 | 5.76 | 8.6 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS7 | 12:52 | 2.2 | Bottom | 3 | 1 | 26.69 | 8.42 | 29.69 | 84.9 | 5.76 | 8.7 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS7 | 12:52 | 2.2 | Bottom | 3 | 2 | 26.73 | 8.42 | 29.55 | 84.8 | 5.75 | 8.9 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS8 | 13:16 | 1.0 | Surface | 1 | 1 | 26.66 | 8.41 | 29.55 | 87.3 | 5.93 | 8.7 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS8 | 13:17 | 1.0 | Surface | 1 | 2 | 26.66 | 8.41 | 29.54 | 87.8 | 5.96 | 8.5 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS8 | 13:17 | 3.3 | Bottom | 3 | 1 | 26.66 | 8.41 | 29.55 | 86.7 | 5.89 | 8.8 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS8 | 13:16 | 3.3 | Bottom | 3 | 2 | 26.66 | 8.40 | 29.56 | 86.7 | 5.89 | 8.9 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS(Mf)9 | 13:00 | 1.0 | Surface | 1 | 1 | 26.74 | 8.42 | 29.51 | 85.2 | 5.78 | 8.0 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS(Mf)9 | 13:00 | 1.0 | Surface | 1 | 2 | 26.74 | 8.41 | 29.51 | 85.1 | 5.77 | 7.9 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS(Mf)9 | 12:59 | 2.6 | Bottom | 3 | 1 | 26.69 | 8.40 | 29.63 | 84.9 | 5.76 | 8.0 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS(Mf)9 | 13:00 | 2.6 | Bottom | 3 | 2 | 26.69 | 8.41 | 29.63 | 84.9 | 5.76 | 8.2 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS10(N) | 13:08 | 1.0 | Surface | 1 | 1 | 27.51 | 7.93 | 27.10 | 87.1 | 5.91 | 8.1 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS10(N) | 13:09 | 1.0 | Surface | 1 | 2 | 27.51 | 7.93 | 27.13 | 87.4 | 5.93 | 8.4 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS10(N) | 13:08 | 5.3 | Middle | 2 | 1 | 27.43 | 8.06 | 28.98 | 87.3 | 5.87 | 10.6 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS10(N) | 13:09 | 5.3 | Middle | 2 | 2 | 27.43 | 8.06 | 28.96 | 87.9 | 5.91 | 10.2 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS10(N) | 13:08 | 9.5 | Bottom | 3 | 1 | 27.43 | 8.05 | 28.97 | 86.7 | 5.83 | 11.5 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | IS10(N) | 13:09 | 9.5 | Bottom | 3 | 2 | 27.43 | 8.09 | 29.05 | 87.2 | 5.86 | 12.0 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR3(N) | 12:18 | 1.0 | Surface | 1 | 1 | 26.64 | 8.38 | 29.69 | 85.8 | 5.82 | 8.6 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR3(N) | 12:18 | 1.0 | Surface | 1 | 2 | 26.62 | 8.36 | 29.66 | 85.6 | 5.81 | 8.7 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR3(N) | 12:17 | 2.2 | Bottom | 3 | 1 | 26.67 | 8.35 | 29.84 | 85.5 | 5.79 | 8.9 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR3(N) | 12:18 | 2.2 | Bottom | 3 | 2 | 26.67 | 8.37 | 29.82 | 85.5 | 5.80 | 8.7 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR4(N) | 13:11 | 1.0 | Surface | 1 | 1 | 26.80 | 8.42 | 29.19 | 83.9 | 5.70 | 8.4 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR4(N) | 13:11 | 1.0 | Surface | 1 | 2 | 26.77 | 8.43 | 29.26 | 84.5 | 5.74 | 8.2 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR4(N) | 13:10 | 2.6 | Bottom | 3 | 1 | 26.80 | 8.42 | 29.19 | 83.5 | 5.67 | 8.8 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR4(N) | 13:11 | 2.6 | Bottom | 3 | 2 | 26.77 | 8.42 | 29.28 | 83.6 | 5.68 | 8.6 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR5(N) | 12:54 | 1.0 | Surface | 1 | 1 | 27.51 | 7.92 | 27.10 | 87.1 | 5.91 | 9.2 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR5(N) | 12:54 | 1.0 | Surface | 1 | 2 | 27.50 | 7.93 | 27.11 | 87.1 | 5.91 | 9.9 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR5(N) | 12:54 | 3.9 | Middle | 2 | 1 | 27.42 | 8.01 | 28.61 | 87.4 | 5.89 | 12.5 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR5(N) | 12:54 | 3.9 | Middle | 2 | 2 | 27.43 | 8.01 | 28.65 | 87.8 | 5.92 | 12.1 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR5(N) | 12:53 | 6.7 | Bottom | 3 | 1 | 27.44 | 8.02 | 28.89 | 87.4 | 5.88 | 13.3 | 10.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR5(N) | 12:54 | 6.7 | Bottom | 3 | 2 | 27.45 | 8.00 | 28.98 | 86.7 | 5.83 | 12.9 | 10.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10A(N) | 13:53 | 1.0 | Surface | 1 | 1 | 27.46 | 7.92 | 28.99 | 92.4 | 6.21 | 3.8 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10A(N) | 13:53 | 1.0 | Surface | 1 | 2 | 27.44 | 7.93 | 28.98 | 88.6 | 5.95 | 3.6 | 5.2 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10A(N) | 13:53 | 6.7 | Middle | 2 | 1 | 27.48 | 7.92 | 29.21 | 84.8 | 5.70 | 5.0 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10A(N) | 13:52 | 6.7 | Middle | 2 | 2 | 27.48 | 7.93 | 29.06 | 85.6 | 5.74 | 5.3 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10A(N) | 13:53 | 12.3 | Bottom | 3 | 1 | 27.47 | 7.92 | 29.20 | 84.8 | 5.69 | 4.5 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10A(N) | 13:52 | 12.3 | Bottom | 3 | 2 | 27.48 | 7.94 | 29.09 | 86.6 | 5.83 | 4.6 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10B(N2) | 14:04 | 1.0 | Surface | 1 | 1 | 27.44 | 7.92 | 28.97 | 84.5 | 5.68 | 4.3 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10B(N2) | 14:04 | 1.0 | Surface | 1 | 2 | 27.47 | 7.92 | 28.98 | 84.3 | 5.67 | 4.3 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10B(N2) | 14:04 | 3.3 | Middle | 2 | 1 | 27.48 | 7.92 | 29.06 | 83.9 | 5.64 | 3.9 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10B(N2) | 14:04 | 3.3 | Middle | 2 | 2 | 27.47 | 7.92 | 29.02 | 84.3 | 5.66 | 4.0 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10B(N2) | 14:03 | 5.6 | Bottom | 3 | 1 | 27.47 | 7.91 | 29.23 | 84.0 | 5.64 | 3.9 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | SR10B(N2) | 14:04 | 5.6 | Bottom | 3 | 2 | 27.48 | 7.92 | 29.10 | 84.4 | 5.66 | 4.2 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS2(A) | 12:02 | 1.0 | Surface | 1 | 1 | 27.51 | 7.91 | 27.10 | 91.3 | 6.16 | 7.6 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS2(A) | 12:03 | 1.0 | Surface | 1 | 2 | 27.51 | 7.91 | 27.08 | 94.2 | 6.34 | 7.0 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS2(A) | 12:02 | 3.4 | Middle | 2 | 1 | 27.40 | 7.98 | 28.37 | 87.5 | 5.89 | 8.7 | 9.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS2(A) | 12:02 | 3.4 | Middle | 2 | 2 | 27.40 | 7.97 | 28.32 | 86.8 | 5.89 | 9.1 | 9.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS2(A) | 12:02 | 5.7 | Bottom | 3 | 1 | 27.44 | 7.99 | 28.80 | 87.3 | 5.90 | 11.2 | 9.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS2(A) | 12:02 | 5.7 | Bottom | 3 | 2 | 27.43 | 7.99 | 28.77 | 88.3 | 5.99 | 10.6 | 9.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS(Mf)5 | 13:40 | 1.0 | Surface | 1 | 1 | 26.94 | 8.44 | 29.45 | 83.8 | 5.67 | 8.3 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS(Mf)5 | 13:40 | 1.0 | Surface | 1 | 2 | 26.93 | 8.44 | 29.45 | 84.1 | 5.68 | 8.6 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS(Mf)5 | 13:39 | 6.2 | Middle | 2 | 1 | 26.92 | 8.43 | 29.60 | 83.5 | 5.65 | 8.7 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS(Mf)5 | 13:40 | 6.2 | Middle | 2 | 2 | 26.92 | 8.43 | 29.58 | 83.7 | 5.66 | 8.7 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS(Mf)5 | 13:39 | 11.4 | Bottom | 3 | 1 | 26.90 | 8.42 | 29.67 | 83.1 | 5.62 | 9.0 | 11.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Ebb | Rainy | CS(Mf)5 | 13:40 | 11.4 | Bottom | 3 | 2 | 26.91 | 8.43 | 29.65 | 83.1 | 5.62 | 8.8 | 10.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS5 | 7:17 | 1.0 | Surface | 1 | 1 | 26.59 | 8.38 | 29.66 | 84.7 | 5.75 | 7.1 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS5 | 7:17 | 1.0 | Surface | 1 | 2 | 26.59 | 8.38 | 29.66 | 84.8 | 5.76 | 7.0 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS5 | 7:17 | 4.2 | Middle | 2 | 1 | 26.59 | 8.37 | 29.67 | 84.7 | 5.75 | 7.3 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS5 | 7:16 | 4.2 | Middle | 2 | 2 | 26.59 | 8.38 | 29.67 | 84.5 | 5.74 | 7.2 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS5 | 7:16 | 7.4 | Bottom | 3 | 1 | 26.59 | 8.38 | 29.69 | 84.4 | 5.73 | 7.4 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS5 | 7:17 | 7.4 | Bottom | 3 | 2 | 26.60 | 8.37 | 29.67 | 84.5 | 5.74 | 7.5 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS(Mf)6 | 7:09 | 1.0 | Surface | 1 | 1 | 26.67 | 8.36 | 29.70 | 85.7 | 5.81 | 7.4 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS(Mf)6 | 7:10 | 1.0 | Surface | 1 | 2 | 26.67 | 8.37 | 29.72 | 85.9 | 5.82 | 7.6 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS(Mf)6 | 7:09 | 2.4 | Bottom | 3 | 1 | 26.67 | 8.36 | 29.78 | 85.2 | 5.78 | 7.6 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS(Mf)6 | 7:09 | 2.4 | Bottom | 3 | 2 | 26.67 | 8.36 | 29.76 | 85.3 | 5.79 | 7.7 | 9.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS7 | 7:03 | 1.0 | Surface | 1 | 1 | 26.55 | 8.38 | 29.57 | 85.4 | 5.81 | 7.3 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS7 | 7:03 | 1.0 | Surface | 1 | 2 | 26.53 | 8.38 | 29.55 | 85.7 | 5.81 | 7.4 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS7 | 7:02 | 2.4 | Bottom | 3 | 1 | 26.61 | 8.38 | 29.80 | 85.0 | 5.79 | 8.4 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS7 | 7:03 | 2.4 | Bottom | 3 | 2 | 26.57 | 8.38 | 29.70 | 85.3 | 5.80 | 8.3 | 10.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS8 | 6:27 | 1.0 | Surface | 1 | 1 | 26.61 | 8.36 | 29.71 | 85.9 | 5.83 | 7.1 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS8 | 6:27 | 1.0 | Surface | 1 | 2 | 26.58 | 8.36 | 29.67 | 86.0 | 5.84 | 7.1 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS8 | 6:27 | 3.4 | Bottom | 3 | 1 | 26.63 | 8.36 | 29.84 | 85.8 | 5.82 | 7.3 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS8 | 6:27 | 3.4 | Bottom | 3 | 2 | 26.66 | 8.36 | 29.90 | 85.4 | 5.81 | 7.2 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS(Mf)9 | 6:53 | 1.0 | Surface | 1 | 1 | 26.57 | 8.37 | 29.61 | 85.7 | 5.83 | 7.6 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS(Mf)9 | 6:53 | 1.0 | Surface | 1 | 2 | 26.52 | 8.38 | 29.56 | 85.4 | 5.80 | 7.8 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS(Mf)9 | 6:53 | 2.7 | Bottom | 3 | 1 | 26.59 | 8.37 | 29.74 | 85.3 | 5.81 | 7.9 | 9.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS(Mf)9 | 6:53 | 2.7 | Bottom | 3 | 2 | 26.64 | 8.37 | 29.79 | 85.7 | 5.81 | 8.2 | 9.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS10(N) | 7:19 | 1.0 | Surface | 1 | 1 | 27.35 | 7.89 | 28.58 | 85.8 | 5.79 | 14.6 | 22.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS10(N) | 7:20 | 1.0 | Surface | 1 | 2 | 27.35 | 7.89 | 28.57 | 85.8 | 5.79 | 15.3 | 23.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS10(N) | 7:20 | 5.3 | Middle | 2 | 1 | 27.36 | 7.89 | 28.61 | 85.5 | 5.77 | 17.0 | 25.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS10(N) | 7:19 | 5.3 | Middle | 2 | 2 | 27.36 | 7.89 | 28.63 | 85.5 | 5.77 | 16.8 | 25.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS10(N) | 7:19 | 9.6 | Bottom | 3 | 1 | 27.36 | 7.89 | 28.62 | 85.6 | 5.78 | 18.2 | 26.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | IS10(N) | 7:20 | 9.6 | Bottom | 3 | 2 | 27.36 | 7.89 | 28.62 | 85.6 | 5.77 | 18.4 | 27.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR3(N) | 7:27 | 1.0 | Surface | 1 | 1 | 26.67 | 8.37 | 29.69 | 85.4 | 5.79 | 8.4 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR3(N) | 7:26 | 1.0 | Surface | 1 | 2 | 26.65 | 8.37 | 29.67 | 85.3 | 5.79 | 8.5 | 7.2 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR3(N) | 7:26 | 2.5 | Bottom | 3 | 1 | 26.66 | 8.37 | 29.73 | 85.1 | 5.77 | 8.6 | 12.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR3(N) | 7:26 | 2.5 | Bottom | 3 | 2 | 26.66 | 8.37 | 29.78 | 85.0 | 5.77 | 8.7 | 12.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR4(N) | 6:39 | 1.0 | Surface | 1 | 1 | 26.64 | 8.37 | 29.76 | 85.8 | 5.82 | 7.2 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR4(N) | 6:38 | 1.0 | Surface | 1 | 2 | 26.62 | 8.38 | 29.73 | 85.7 | 5.82 | 7.1 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR4(N) | 6:38 | 2.6 | Bottom | 3 | 1 | 26.66 | 8.38 | 29.89 | 85.6 | 5.80 | 7.3 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR4(N) | 6:39 | 2.6 | Bottom | 3 | 2 | 26.64 | 8.37 | 29.86 | 85.5 | 5.80 | 7.2 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR5(N) | 7:38 | 1.0 | Surface | 1 | 1 | 27.35 | 7.89 | 28.56 | 86.0 | 5.80 | 17.3 | 18.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR5(N) | 7:39 | 1.0 | Surface | 1 | 2 | 27.35 | 7.89 | 28.56 | 86.1 | 5.81 | 16.2 | 19.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR5(N) | 7:38 | 4.0 | Middle | 2 | 1 | 27.35 | 7.89 | 28.60 | 85.6 | 5.78 | 16.6 | 22.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR5(N) | 7:38 | 4.0 | Middle | 2 | 2 | 27.35 | 7.89 | 28.58 | 85.8 | 5.79 | 17.4 | 22.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR5(N) | 7:38 | 6.9 | Bottom | 3 | 1 | 27.35 | 7.89 | 28.59 | 85.8 | 5.79 | 19.5 | 23.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR5(N) | 7:38 | 6.9 | Bottom | 3 | 2 | 27.35 | 7.89 | 28.59 | 85.7 | 5.78 | 18.9 | 23.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10A(N) | 6:16 | 1.0 | Surface | 1 | 1 | 27.35 | 7.89 | 28.57 | 85.8 | 5.79 | 5.5 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10A(N) | 6:17 | 1.0 | Surface | 1 | 2 | 27.35 | 7.89 | 28.57 | 85.9 | 5.80 | 5.3 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10A(N) | 6:16 | 6.6 | Middle | 2 | 1 | 27.36 | 7.89 | 28.64 | 85.5 | 5.77 | 5.9 | 9.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10A(N) | 6:17 | 6.6 | Middle | 2 | 2 | 27.36 | 7.89 | 28.63 | 85.5 | 5.77 | 6.2 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10A(N) | 6:16 | 12.1 | Bottom | 3 | 1 | 27.36 | 7.89 | 28.65 | 85.7 | 5.78 | 7.8 | 10.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10A(N) | 6:17 | 12.1 | Bottom | 3 | 2 | 27.36 | 7.89 | 28.64 | 85.5 | 5.77 | 8.0 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10B(N2) | 6:07 | 1.0 | Surface | 1 | 1 | 27.35 | 7.88 | 28.57 | 89.6 | 6.04 | 4.0 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10B(N2) | 6:06 | 1.0 | Surface | 1 | 2 | 27.35 | 7.88 | 28.56 | 87.4 | 5.90 | 3.8 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10B(N2) | 6:06 | 3.4 | Middle | 2 | 1 | 27.35 | 7.88 | 28.56 | 87.8 | 5.93 | 5.2 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10B(N2) | 6:06 | 3.4 | Middle | 2 | 2 | 27.35 | 7.88 | 28.57 | 86.4 | 5.83 | 5.0 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10B(N2) | 6:06 | 5.7 | Bottom | 3 | 1 | 27.35 | 7.87 | 28.60 | 86.5 | 5.84 | 6.3 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | SR10B(N2) | 6:06 | 5.7 | Bottom | 3 | 2 | 27.35 | 7.88 | 28.60 | 86.6 | 5.84 | 6.6 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS2(A) | 8:36 | 1.0 | Surface | 1 | 1 | 27.22 | 7.93 | 28.89 | 91.6 | 6.17 | 15.9 | 18.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS2(A) | 8:35 | 1.0 | Surface | 1 | 2 | 27.22 | 7.93 | 28.86 | 92.5 | 6.23 | 15.2 | 18.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS2(A) | 8:35 | 3.3 | Middle | 2 | 1 | 27.22 | 7.95 | 29.37 | 90.1 | 6.07 | 15.5 | 20.0 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS2(A) | 8:36 | 3.3 | Middle | 2 | 2 | 27.22 | 7.94 | 29.38 | 90.1 | 6.08 | 16.2 | 20.3 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS2(A) | 8:36 | 5.5 | Bottom | 3 | 1 | 27.22 | 7.94 | 29.38 | 90.2 | 6.08 | 17.8 | 22.9 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS2(A) | 8:35 | 5.5 | Bottom | 3 | 2 | 27.22 | 7.94 | 29.37 | 90.5 | 6.11 | 16.7 | 21.2 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS(Mf)5 | 6:03 | 1.0 | Surface | 1 | 1 | 26.60 | 8.37 | 29.67 | 86.1 | 5.85 | 7.1 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS(Mf)5 | 6:02 | 1.0 | Surface | 1 | 2 | 26.60 | 8.36 | 29.66 | 85.7 | 5.82 | 7.3 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS(Mf)5 | 6:02 | 6.3 | Middle | 2 | 1 | 26.59 | 8.36 | 29.67 | 85.0 | 5.78 | 7.4 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS(Mf)5 | 6:03 | 6.3 | Middle | 2 | 2 | 26.59 | 8.37 | 29.67 | 85.5 | 5.81 | 7.3 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS(Mf)5 | 6:02 | 11.6 | Bottom | 3 | 1 | 26.58 | 8.36 | 29.66 | 84.9 | 5.77 | 7.7 | 9.5 |
| HKLR | HY/2011/03 | 2018-10-10 | Mid-Flood | Fine | CS(Mf)5 | 6:03 | 11.6 | Bottom | 3 | 2 | 26.59 | 8.37 | 29.67 | 84.9 | 5.77 | 7.6 | 9.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS5 | 13:43 | 1.0 | Surface | 1 | 1 | 25.81 | 7.99 | 30.09 | 86.6 | 5.95 | 8.5 | 13.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS5 | 13:42 | 1.0 | Surface | 1 | 2 | 25.80 | 7.99 | 30.09 | 89.1 | 6.12 | 8.9 | 16.1 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS5 | 13:42 | 4.4 | Middle | 2 | 1 | 25.78 | 7.99 | 30.15 | 86.9 | 5.97 | 9.7 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS5 | 13:42 | 4.4 | Middle | 2 | 2 | 25.77 | 8.00 | 30.16 | 90.7 | 6.23 | 10.1 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS5 | 13:42 | 7.7 | Bottom | 3 | 1 | 25.72 | 8.01 | 30.36 | 93.7 | 6.44 | 10.6 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS5 | 13:42 | 7.7 | Bottom | 3 | 2 | 25.76 | 7.99 | 30.30 | 87.5 | 6.01 | 10.7 | 9.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS(Mf)6 | 13:50 | 1.0 | Surface | 1 | 1 | 25.76 | 7.99 | 29.85 | 91.2 | 6.28 | 7.2 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS(Mf)6 | 13:50 | 1.0 | Surface | 1 | 2 | 25.75 | 8.00 | 29.87 | 94.2 | 6.49 | 7.5 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS(Mf)6 | 13:50 | 2.1 | Bottom | 3 | 1 | 25.75 | 7.99 | 29.86 | 92.7 | 6.38 | 7.1 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS(Mf)6 | 13:49 | 2.1 | Bottom | 3 | 2 | 25.72 | 8.01 | 29.90 | 98.1 | 6.75 | 7.5 | 10.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS7 | 13:57 | 1.0 | Surface | 1 | 1 | 26.15 | 8.01 | 29.55 | 90.7 | 6.21 | 5.8 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS7 | 13:56 | 1.0 | Surface | 1 | 2 | 26.14 | 8.01 | 29.55 | 94.4 | 6.47 | 5.8 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS7 | 13:56 | 2.1 | Bottom | 3 | 1 | 26.15 | 8.01 | 29.55 | 92.7 | 6.35 | 5.9 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS7 | 13:56 | 2.1 | Bottom | 3 | 2 | 26.14 | 8.02 | 29.55 | 97.7 | 6.69 | 5.8 | 11.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS8 | 14:20 | 1.0 | Surface | 1 | 1 | 25.92 | 8.03 | 29.57 | 95.6 | 6.58 | 10.5 | 18.1 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS8 | 14:20 | 1.0 | Surface | 1 | 2 | 25.93 | 8.03 | 29.62 | 88.7 | 6.10 | 10.5 | 17.5 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS8 | 14:20 | 3.0 | Bottom | 3 | 1 | 25.93 | 8.03 | 29.66 | 88.4 | 6.08 | 10.1 | 17.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS8 | 14:19 | 3.0 | Bottom | 3 | 2 | 25.91 | 8.04 | 29.57 | 91.8 | 6.31 | 10.5 | 17.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS(Mf)9 | 14:03 | 1.0 | Surface | 1 | 1 | 26.15 | 8.01 | 29.66 | 90.5 | 6.20 | 6.7 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS(Mf)9 | 14:03 | 1.0 | Surface | 1 | 2 | 26.15 | 8.02 | 29.67 | 94.3 | 6.45 | 7.0 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS(Mf)9 | 14:03 | 2.8 | Bottom | 3 | 1 | 26.12 | 8.03 | 29.69 | 97.5 | 6.68 | 7.4 | 9.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS(Mf)9 | 14:03 | 2.8 | Bottom | 3 | 2 | 26.14 | 8.01 | 29.69 | 92.6 | 6.34 | 7.1 | 11.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS10(N) | 14:17 | 1.0 | Surface | 1 | 1 | 26.59 | 8.11 | 29.41 | 85.3 | 5.80 | 7.1 | 11.1 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS10(N) | 14:18 | 1.0 | Surface | 1 | 2 | 26.58 | 8.11 | 29.56 | 85.3 | 5.79 | 7.3 | 12.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS10(N) | 14:18 | 5.2 | Middle | 2 | 1 | 26.68 | 8.11 | 29.70 | 85.2 | 5.79 | 8.4 | 13.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS10(N) | 14:17 | 5.2 | Middle | 2 | 2 | 26.67 | 8.10 | 29.58 | 85.2 | 5.77 | 8.2 | 13.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS10(N) | 14:18 | 9.3 | Bottom | 3 | 1 | 26.69 | 8.10 | 29.79 | 85.1 | 5.78 | 9.4 | 12.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | IS10(N) | 14:17 | 9.3 | Bottom | 3 | 2 | 26.70 | 8.10 | 29.70 | 84.6 | 5.74 | 9.3 | 11.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR3(N) | 13:36 | 1.0 | Surface | 1 | 1 | 25.85 | 8.05 | 30.00 | 88.7 | 6.09 | 7.5 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR3(N) | 13:35 | 1.0 | Surface | 1 | 2 | 25.84 | 8.09 | 30.03 | 91.6 | 6.29 | 7.7 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR3(N) | 13:35 | 2.5 | Bottom | 3 | 1 | 25.77 | 8.15 | 30.16 | 95.3 | 6.55 | 8.6 | 9.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR3(N) | 13:36 | 2.5 | Bottom | 3 | 2 | 25.79 | 8.07 | 30.11 | 90.1 | 6.19 | 8.2 | 9.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR4(N) | 14:14 | 1.0 | Surface | 1 | 1 | 26.04 | 8.01 | 29.58 | 89.6 | 6.15 | 7.3 | 17.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR4(N) | 14:14 | 1.0 | Surface | 1 | 2 | 26.01 | 8.02 | 28.95 | 93.3 | 6.43 | 7.4 | 18.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR4(N) | 14:14 | 2.7 | Bottom | 3 | 1 | 25.99 | 8.03 | 29.84 | 97.9 | 6.71 | 7.2 | 13.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR4(N) | 14:14 | 2.7 | Bottom | 3 | 2 | 26.03 | 8.01 | 29.72 | 91.9 | 6.30 | 7.2 | 14.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR5(N) | 14:10 | 1.0 | Surface | 1 | 1 | 26.60 | 8.11 | 29.02 | 86.3 | 5.90 | 6.8 | 12.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR5(N) | 14:10 | 1.0 | Surface | 1 | 2 | 26.60 | 8.11 | 28.61 | 86.2 | 5.89 | 6.7 | 13.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR5(N) | 14:10 | 3.9 | Middle | 2 | 1 | 26.64 | 8.11 | 29.03 | 86.2 | 5.87 | 7.5 | 11.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR5(N) | 14:10 | 3.9 | Middle | 2 | 2 | 26.63 | 8.10 | 28.45 | 86.1 | 5.88 | 7.2 | 11.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR5(N) | 14:09 | 6.8 | Bottom | 3 | 1 | 26.70 | 8.10 | 28.31 | 86.0 | 5.86 | 9.3 | 11.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR5(N) | 14:10 | 6.8 | Bottom | 3 | 2 | 26.68 | 8.10 | 29.12 | 86.1 | 5.87 | 9.4 | 11.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10A(N) | 15:04 | 1.0 | Surface | 1 | 1 | 26.92 | 8.12 | 31.68 | 82.9 | 5.54 | 5.1 | 10.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10A(N) | 15:05 | 1.0 | Surface | 1 | 2 | 26.90 | 8.12 | 31.68 | 83.9 | 5.62 | 5.2 | 10.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10A(N) | 15:04 | 6.7 | Middle | 2 | 1 | 26.93 | 8.13 | 31.57 | 82.0 | 5.47 | 5.4 | 9.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10A(N) | 15:05 | 6.7 | Middle | 2 | 2 | 26.93 | 8.12 | 31.89 | 82.1 | 5.49 | 5.4 | 10.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10A(N) | 15:04 | 12.4 | Bottom | 3 | 1 | 26.93 | 8.12 | 31.91 | 82.0 | 5.48 | 5.6 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10A(N) | 15:04 | 12.4 | Bottom | 3 | 2 | 26.93 | 8.13 | 31.38 | 81.8 | 5.46 | 5.7 | 10.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10B(N2) | 15:14 | 1.0 | Surface | 1 | 1 | 26.90 | 8.12 | 31.74 | 81.9 | 5.46 | 4.8 | 12.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10B(N2) | 15:14 | 1.0 | Surface | 1 | 2 | 26.87 | 8.11 | 31.73 | 82.0 | 5.47 | 4.9 | 12.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10B(N2) | 15:14 | 3.7 | Middle | 2 | 1 | 26.93 | 8.12 | 32.00 | 81.8 | 5.45 | 5.5 | 11.1 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10B(N2) | 15:14 | 3.7 | Middle | 2 | 2 | 26.93 | 8.12 | 32.03 | 81.7 | 5.46 | 5.7 | 10.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10B(N2) | 15:13 | 6.4 | Bottom | 3 | 1 | 26.94 | 8.12 | 32.15 | 81.4 | 5.43 | 6.0 | 10.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | SR10B(N2) | 15:14 | 6.4 | Bottom | 3 | 2 | 26.92 | 8.12 | 32.05 | 81.5 | 5.44 | 5.9 | 9.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS2(A) | 13:24 | 1.0 | Surface | 1 | 1 | 26.37 | 8.12 | 32.24 | 92.5 | 6.22 | 10.3 | 13.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS2(A) | 13:25 | 1.0 | Surface | 1 | 2 | 26.38 | 8.12 | 32.28 | 92.6 | 6.22 | 10.4 | 12.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS2(A) | 13:25 | 3.7 | Middle | 2 | 1 | 26.41 | 8.12 | 32.48 | 92.5 | 6.20 | 11.1 | 11.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS2(A) | 13:24 | 3.7 | Middle | 2 | 2 | 26.42 | 8.12 | 32.43 | 92.5 | 6.20 | 10.9 | 10.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS2(A) | 13:24 | 6.4 | Bottom | 3 | 1 | 26.45 | 8.12 | 32.46 | 91.7 | 6.15 | 11.9 | 10.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS2(A) | 13:25 | 6.4 | Bottom | 3 | 2 | 26.43 | 8.12 | 32.51 | 92.1 | 6.18 | 12.1 | 10.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS(Mf)5 | 14:44 | 1.0 | Surface | 1 | 1 | 26.14 | 8.07 | 30.12 | 85.2 | 5.76 | 5.8 | 10.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS(Mf)5 | 14:43 | 1.0 | Surface | 1 | 2 | 26.05 | 8.07 | 30.18 | 89.4 | 6.03 | 6.0 | 9.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS(Mf)5 | 14:43 | 6.1 | Middle | 2 | 1 | 26.35 | 8.04 | 31.49 | 86.1 | 5.86 | 8.6 | 10.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS(Mf)5 | 14:44 | 6.1 | Middle | 2 | 2 | 26.32 | 8.04 | 31.56 | 83.9 | 5.71 | 8.3 | 9.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS(Mf)5 | 14:43 | 11.2 | Bottom | 3 | 1 | 26.32 | 8.04 | 31.76 | 85.7 | 5.82 | 8.5 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Ebb | Fine | CS(Mf)5 | 14:43 | 11.2 | Bottom | 3 | 2 | 26.28 | 8.04 | 31.65 | 83.6 | 5.66 | 8.3 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS5 | 9:25 | 1.0 | Surface | 1 | 1 | 25.64 | 8.04 | 29.69 | 84.6 | 5.84 | 8.1 | 10.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS5 | 9:24 | 1.0 | Surface | 1 | 2 | 25.64 | 8.03 | 29.69 | 85.8 | 5.93 | 8.3 | 11.4 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS5 | 9:24 | 4.5 | Middle | 2 | 1 | 25.62 | 8.03 | 29.75 | 85.8 | 5.92 | 10.1 | 11.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS5 | 9:25 | 4.5 | Middle | 2 | 2 | 25.61 | 8.05 | 29.76 | 84.2 | 5.81 | 10.2 | 13.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS5 | 9:23 | 8.0 | Bottom | 3 | 1 | 25.61 | 8.02 | 29.80 | 87.0 | 6.01 | 10.1 | 11.1 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS5 | 9:25 | 8.0 | Bottom | 3 | 2 | 25.61 | 8.05 | 29.79 | 84.2 | 5.81 | 10.4 | 10.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS(Mf)6 | 9:14 | 1.0 | Surface | 1 | 1 | 25.65 | 8.03 | 29.60 | 86.6 | 5.98 | 9.5 | 10.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS(Mf)6 | 9:14 | 1.0 | Surface | 1 | 2 | 25.65 | 8.03 | 29.60 | 89.1 | 6.15 | 10.1 | 11.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS(Mf)6 | 9:13 | 2.3 | Bottom | 3 | 1 | 25.63 | 8.03 | 29.63 | 93.3 | 6.44 | 12.2 | 16.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS(Mf)6 | 9:14 | 2.3 | Bottom | 3 | 2 | 25.64 | 8.03 | 29.63 | 87.5 | 6.05 | 11.6 | 15.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS7 | 9:05 | 1.0 | Surface | 1 | 1 | 25.69 | 8.02 | 29.79 | 86.2 | 5.94 | 10.2 | 12.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS7 | 9:05 | 1.0 | Surface | 1 | 2 | 25.71 | 8.02 | 29.78 | 88.4 | 6.10 | 10.7 | 12.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS7 | 9:04 | 2.2 | Bottom | 3 | 1 | 25.69 | 8.02 | 29.79 | 93.2 | 6.42 | 10.9 | 11.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS7 | 9:05 | 2.2 | Bottom | 3 | 2 | 25.69 | 8.02 | 29.80 | 87.1 | 6.01 | 10.5 | 12.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS8 | 8:33 | 1.0 | Surface | 1 | 1 | 25.84 | 8.05 | 29.55 | 84.8 | 5.84 | 7.5 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS8 | 8:33 | 1.0 | Surface | 1 | 2 | 25.68 | 8.04 | 29.36 | 87.2 | 6.03 | 7.5 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS8 | 8:33 | 3.3 | Bottom | 3 | 1 | 25.98 | 8.04 | 30.00 | 85.8 | 5.88 | 11.8 | 11.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS8 | 8:33 | 3.3 | Bottom | 3 | 2 | 26.01 | 8.02 | 30.03 | 91.5 | 6.27 | 11.5 | 10.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS(Mf)9 | 8:56 | 1.0 | Surface | 1 | 1 | 25.85 | 8.04 | 29.66 | 90.6 | 6.23 | 7.9 | 13.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS(Mf)9 | 8:56 | 1.0 | Surface | 1 | 2 | 25.86 | 8.05 | 29.67 | 88.1 | 6.06 | 8.1 | 12.1 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS(Mf)9 | 8:56 | 3.1 | Bottom | 3 | 1 | 25.87 | 8.04 | 29.72 | 89.7 | 6.16 | 8.9 | 15.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS(Mf)9 | 8:55 | 3.1 | Bottom | 3 | 2 | 25.87 | 8.04 | 29.73 | 94.1 | 6.47 | 9.0 | 15.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS10(N) | 8:38 | 1.0 | Surface | 1 | 1 | 26.48 | 8.07 | 30.33 | 88.5 | 6.00 | 10.3 | 15.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS10(N) | 8:37 | 1.0 | Surface | 1 | 2 | 26.48 | 8.06 | 30.34 | 87.6 | 5.94 | 10.5 | 14.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS10(N) | 8:37 | 5.3 | Middle | 2 | 1 | 26.48 | 8.06 | 30.30 | 87.0 | 5.90 | 11.7 | 15.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS10(N) | 8:37 | 5.3 | Middle | 2 | 2 | 26.48 | 8.07 | 30.38 | 87.2 | 5.91 | 11.4 | 15.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS10(N) | 8:37 | 9.6 | Bottom | 3 | 1 | 26.48 | 8.07 | 30.39 | 86.9 | 5.89 | 12.8 | 17.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | IS10(N) | 8:36 | 9.6 | Bottom | 3 | 2 | 26.48 | 8.07 | 30.32 | 86.8 | 5.89 | 12.6 | 16.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR3(N) | 9:37 | 1.0 | Surface | 1 | 1 | 25.70 | 8.04 | 29.84 | 84.3 | 5.81 | 8.7 | 14.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR3(N) | 9:37 | 1.0 | Surface | 1 | 2 | 25.70 | 8.04 | 29.84 | 84.2 | 5.80 | 8.9 | 12.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR3(N) | 9:37 | 2.4 | Bottom | 3 | 1 | 25.70 | 8.04 | 29.84 | 84.2 | 5.80 | 9.3 | 12.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR3(N) | 9:37 | 2.4 | Bottom | 3 | 2 | 25.70 | 8.03 | 29.84 | 84.7 | 5.84 | 9.8 | 11.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR4(N) | 8:41 | 1.0 | Surface | 1 | 1 | 26.05 | 8.05 | 29.94 | 85.3 | 5.84 | 8.9 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR4(N) | 8:41 | 1.0 | Surface | 1 | 2 | 26.03 | 8.05 | 29.93 | 86.3 | 5.91 | 8.5 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR4(N) | 8:41 | 2.7 | Bottom | 3 | 1 | 26.05 | 8.05 | 30.02 | 85.9 | 5.88 | 10.4 | 12.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR4(N) | 8:41 | 2.7 | Bottom | 3 | 2 | 26.08 | 8.04 | 30.05 | 89.3 | 6.11 | 10.2 | 11.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR5(N) | 8:47 | 1.0 | Surface | 1 | 1 | 26.47 | 8.07 | 30.31 | 86.9 | 5.89 | 11.6 | 14.1 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR5(N) | 8:47 | 1.0 | Surface | 1 | 2 | 26.49 | 8.07 | 30.30 | 86.9 | 5.90 | 11.9 | 15.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR5(N) | 8:47 | 4.0 | Middle | 2 | 1 | 26.48 | 8.07 | 30.31 | 86.6 | 5.88 | 12.8 | 16.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR5(N) | 8:46 | 4.0 | Middle | 2 | 2 | 26.48 | 8.07 | 30.35 | 86.7 | 5.88 | 12.7 | 14.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR5(N) | 8:47 | 7.0 | Bottom | 3 | 1 | 26.48 | 8.07 | 30.35 | 86.5 | 5.87 | 14.0 | 13.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR5(N) | 8:46 | 7.0 | Bottom | 3 | 2 | 26.48 | 8.08 | 30.42 | 86.3 | 5.85 | 13.8 | 15.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10A(N) | 7:48 | 1.0 | Surface | 1 | 1 | 26.82 | 8.03 | 30.39 | 83.3 | 5.61 | 8.8 | 12.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10A(N) | 7:47 | 1.0 | Surface | 1 | 2 | 26.82 | 8.03 | 30.41 | 83.3 | 5.61 | 8.6 | 12.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10A(N) | 7:47 | 6.8 | Middle | 2 | 1 | 26.85 | 8.03 | 30.44 | 83.0 | 5.60 | 9.6 | 11.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10A(N) | 7:48 | 6.8 | Middle | 2 | 2 | 26.85 | 8.03 | 30.49 | 83.1 | 5.60 | 9.8 | 12.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10A(N) | 7:47 | 12.6 | Bottom | 3 | 1 | 26.85 | 8.03 | 30.49 | 83.0 | 5.59 | 10.0 | 12.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10A(N) | 7:47 | 12.6 | Bottom | 3 | 2 | 26.87 | 8.03 | 30.48 | 83.0 | 5.59 | 9.9 | 12.4 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10B(N2) | 7:35 | 1.0 | Surface | 1 | 1 | 26.72 | 8.03 | 30.01 | 83.8 | 5.67 | 6.5 | 13.2 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10B(N2) | 7:34 | 1.0 | Surface | 1 | 2 | 26.70 | 8.02 | 29.83 | 84.4 | 5.72 | 6.4 | 12.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10B(N2) | 7:35 | 4.1 | Middle | 2 | 1 | 26.82 | 8.02 | 30.30 | 83.6 | 5.64 | 7.9 | 18.1 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10B(N2) | 7:33 | 4.1 | Middle | 2 | 2 | 26.74 | 8.02 | 29.82 | 84.0 | 5.69 | 7.6 | 17.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10B(N2) | 7:33 | 7.1 | Bottom | 3 | 1 | 26.84 | 8.01 | 30.06 | 84.0 | 5.67 | 8.9 | 14.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | SR10B(N2) | 7:34 | 7.1 | Bottom | 3 | 2 | 26.86 | 8.02 | 30.41 | 83.6 | 5.63 | 9.0 | 13.3 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS2(A) | 9:38 | 1.0 | Surface | 1 | 1 | 26.34 | 8.11 | 31.45 | 91.4 | 6.18 | 12.4 | 16.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS2(A) | 9:39 | 1.0 | Surface | 1 | 2 | 26.34 | 8.11 | 31.48 | 91.8 | 6.19 | 12.5 | 17.9 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS2(A) | 9:39 | 3.8 | Middle | 2 | 1 | 26.38 | 8.11 | 31.62 | 91.3 | 6.17 | 13.9 | 20.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS2(A) | 9:38 | 3.8 | Middle | 2 | 2 | 26.36 | 8.11 | 31.49 | 91.0 | 6.14 | 13.7 | 19.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS2(A) | 9:39 | 6.6 | Bottom | 3 | 1 | 26.39 | 8.11 | 31.63 | 90.9 | 6.13 | 14.9 | 19.8 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS2(A) | 9:38 | 6.6 | Bottom | 3 | 2 | 26.38 | 8.11 | 31.49 | 90.8 | 6.13 | 14.8 | 19.3 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS(Mf)5 | 7:59 | 1.0 | Surface | 1 | 1 | 26.00 | 8.05 | 30.19 | 84.8 | 5.80 | 8.8 | 12.6 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS(Mf)5 | 8:00 | 1.0 | Surface | 1 | 2 | 25.99 | 8.09 | 30.18 | 85.2 | 5.83 | 8.4 | 14.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS(Mf)5 | 8:00 | 6.2 | Middle | 2 | 1 | 26.02 | 8.08 | 30.22 | 84.1 | 5.75 | 12.3 | 13.5 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS(Mf)5 | 7:58 | 6.2 | Middle | 2 | 2 | 26.03 | 8.04 | 30.27 | 83.2 | 5.69 | 12.6 | 14.7 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS(Mf)5 | 7:59 | 11.4 | Bottom | 3 | 1 | 26.37 | 8.06 | 31.34 | 82.8 | 5.59 | 23.9 | 27.0 |
| HKLR | HY/2011/03 | 2018-10-12 | Mid-Flood | Fine | CS(Mf)5 | 7:58 | 11.4 | Bottom | 3 | 2 | 26.37 | 8.00 | 31.38 | 85.0 | 5.74 | 24.9 | 27.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS5 | 4:44 | 1.0 | Surface | 1 | 1 | 25.73 | 8.04 | 28.87 | 87.2 | 5.79 | 6.9 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS5 | 4:43 | 1.0 | Surface | 1 | 2 | 25.73 | 8.04 | 28.84 | 90.9 | 6.03 | 6.8 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS5 | 4:43 | 4.2 | Middle | 2 | 1 | 25.72 | 8.04 | 28.92 | 87.1 | 5.79 | 6.8 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS5 | 4:43 | 4.2 | Middle | 2 | 2 | 25.73 | 8.04 | 28.87 | 88.4 | 5.87 | 6.9 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS5 | 4:42 | 7.4 | Bottom | 3 | 1 | 25.71 | 8.05 | 28.97 | 87.9 | 5.84 | 6.9 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS5 | 4:43 | 7.4 | Bottom | 3 | 2 | 25.72 | 8.04 | 29.05 | 87.1 | 5.78 | 6.8 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS(Mf)6 | 4:35 | 1.0 | Surface | 1 | 1 | 25.74 | 8.04 | 28.66 | 89.2 | 5.92 | 8.8 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS(Mf)6 | 4:35 | 1.0 | Surface | 1 | 2 | 25.72 | 8.04 | 28.66 | 92.6 | 6.15 | 8.7 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS(Mf)6 | 4:34 | 2.1 | Bottom | 3 | 1 | 25.68 | 8.05 | 28.91 | 90.5 | 6.01 | 8.8 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS(Mf)6 | 4:35 | 2.1 | Bottom | 3 | 2 | 25.71 | 8.04 | 28.85 | 88.3 | 5.87 | 8.7 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS7 | 4:26 | 1.0 | Surface | 1 | 1 | 25.70 | 8.03 | 28.64 | 91.9 | 6.11 | 9.5 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS7 | 4:27 | 1.0 | Surface | 1 | 2 | 25.69 | 8.03 | 28.68 | 88.2 | 5.86 | 9.6 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS7 | 4:26 | 2.1 | Bottom | 3 | 1 | 25.68 | 8.04 | 28.87 | 89.8 | 5.97 | 9.6 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS7 | 4:27 | 2.1 | Bottom | 3 | 2 | 25.69 | 8.03 | 28.90 | 87.4 | 5.81 | 9.4 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS8 | 3:57 | 1.0 | Surface | 1 | 1 | 25.74 | 8.03 | 29.01 | 93.0 | 6.16 | 7.6 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS8 | 3:57 | 1.0 | Surface | 1 | 2 | 25.74 | 8.03 | 29.03 | 87.7 | 5.82 | 7.7 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS8 | 3:57 | 3.2 | Bottom | 3 | 1 | 25.77 | 8.04 | 29.09 | 89.6 | 5.94 | 7.5 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS8 | 3:57 | 3.2 | Bottom | 3 | 2 | 25.75 | 8.03 | 29.07 | 86.3 | 5.73 | 7.5 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS(Mf)9 | 4:19 | 1.0 | Surface | 1 | 1 | 25.69 | 8.03 | 28.89 | 90.2 | 6.00 | 7.4 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS(Mf)9 | 4:19 | 1.0 | Surface | 1 | 2 | 25.69 | 8.03 | 28.85 | 95.4 | 6.34 | 7.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS(Mf)9 | 4:19 | 2.7 | Bottom | 3 | 1 | 25.68 | 8.03 | 28.89 | 89.4 | 5.94 | 7.4 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS(Mf)9 | 4:19 | 2.7 | Bottom | 3 | 2 | 25.68 | 8.04 | 28.84 | 92.6 | 6.15 | 7.5 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS10(N) | 4:28 | 1.0 | Surface | 1 | 1 | 26.21 | 8.10 | 29.87 | 90.0 | 6.13 | 7.7 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS10(N) | 4:27 | 1.0 | Surface | 1 | 2 | 26.28 | 8.10 | 29.66 | 90.3 | 6.15 | 7.4 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS10(N) | 4:28 | 5.3 | Middle | 2 | 1 | 26.22 | 8.09 | 30.25 | 90.0 | 6.12 | 7.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS10(N) | 4:27 | 5.3 | Middle | 2 | 2 | 26.22 | 8.09 | 30.30 | 89.6 | 6.09 | 7.7 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS10(N) | 4:27 | 9.5 | Bottom | 3 | 1 | 26.22 | 8.09 | 30.30 | 90.0 | 6.11 | 8.3 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | IS10(N) | 4:27 | 9.5 | Bottom | 3 | 2 | 26.22 | 8.09 | 30.26 | 90.0 | 6.11 | 8.9 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR3(N) | 4:52 | 1.0 | Surface | 1 | 1 | 25.76 | 8.04 | 28.91 | 91.4 | 6.07 | 7.6 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR3(N) | 4:53 | 1.0 | Surface | 1 | 2 | 25.75 | 8.04 | 28.92 | 88.4 | 5.87 | 7.5 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR3(N) | 4:53 | 2.4 | Bottom | 3 | 1 | 25.75 | 8.04 | 28.93 | 88.0 | 5.84 | 7.5 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR3(N) | 4:52 | 2.4 | Bottom | 3 | 2 | 25.75 | 8.04 | 28.92 | 89.5 | 5.94 | 7.5 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR4(N) | 4:07 | 1.0 | Surface | 1 | 1 | 25.81 | 8.02 | 28.91 | 87.7 | 5.81 | 9.8 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR4(N) | 4:07 | 1.0 | Surface | 1 | 2 | 25.82 | 8.03 | 28.88 | 95.2 | 6.31 | 9.5 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR4(N) | 4:07 | 2.7 | Bottom | 3 | 1 | 25.83 | 8.03 | 28.92 | 85.5 | 5.67 | 9.9 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR4(N) | 4:07 | 2.7 | Bottom | 3 | 2 | 25.81 | 8.04 | 28.84 | 89.7 | 5.94 | 9.5 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR5(N) | 4:39 | 1.0 | Surface | 1 | 1 | 26.20 | 8.11 | 29.83 | 90.2 | 6.15 | 5.7 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR5(N) | 4:38 | 1.0 | Surface | 1 | 2 | 26.21 | 8.10 | 29.89 | 90.0 | 6.13 | 5.6 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR5(N) | 4:38 | 3.9 | Middle | 2 | 1 | 26.21 | 8.10 | 30.09 | 89.9 | 6.12 | 6.0 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR5(N) | 4:39 | 3.9 | Middle | 2 | 2 | 26.21 | 8.10 | 30.04 | 89.9 | 6.12 | 6.1 | 6.3 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR5(N) | 4:39 | 6.7 | Bottom | 3 | 1 | 26.21 | 8.10 | 30.06 | 90.2 | 6.14 | 7.4 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR5(N) | 4:38 | 6.7 | Bottom | 3 | 2 | 26.22 | 8.10 | 30.13 | 90.1 | 6.13 | 7.0 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10A(N) | 3:32 | 1.0 | Surface | 1 | 1 | 26.24 | 8.10 | 29.87 | 90.2 | 6.14 | 2.8 | 11.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10A(N) | 3:31 | 1.0 | Surface | 1 | 2 | 26.27 | 8.10 | 29.81 | 90.3 | 6.15 | 3.0 | 10.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10A(N) | 3:31 | 6.6 | Middle | 2 | 1 | 26.22 | 8.09 | 30.37 | 88.9 | 6.04 | 3.2 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10A(N) | 3:32 | 6.6 | Middle | 2 | 2 | 26.22 | 8.09 | 30.38 | 88.5 | 6.01 | 3.5 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10A(N) | 3:31 | 12.1 | Bottom | 3 | 1 | 26.23 | 8.09 | 30.35 | 90.4 | 6.14 | 5.5 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10A(N) | 3:31 | 12.1 | Bottom | 3 | 2 | 26.22 | 8.08 | 30.34 | 90.2 | 6.13 | 6.0 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10B(N2) | 3:23 | 1.0 | Surface | 1 | 1 | 26.21 | 8.12 | 29.60 | 91.3 | 6.23 | 4.1 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10B(N2) | 3:23 | 1.0 | Surface | 1 | 2 | 26.28 | 8.10 | 29.58 | 91.0 | 6.21 | 3.6 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10B(N2) | 3:23 | 3.4 | Middle | 2 | 1 | 26.20 | 8.10 | 30.06 | 90.9 | 6.19 | 4.0 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10B(N2) | 3:23 | 3.4 | Middle | 2 | 2 | 26.20 | 8.11 | 29.70 | 91.1 | 6.22 | 4.3 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10B(N2) | 3:23 | 5.7 | Bottom | 3 | 1 | 26.22 | 8.10 | 30.09 | 91.3 | 6.21 | 6.2 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | SR10B(N2) | 3:22 | 5.7 | Bottom | 3 | 2 | 26.23 | 8.11 | 29.62 | 90.8 | 6.19 | 6.8 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS2(A) | 5:45 | 1.0 | Surface | 1 | 1 | 26.20 | 8.11 | 30.01 | 90.3 | 6.15 | 5.5 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS2(A) | 5:44 | 1.0 | Surface | 1 | 2 | 26.20 | 8.11 | 29.79 | 90.0 | 6.14 | 5.7 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS2(A) | 5:44 | 3.3 | Middle | 2 | 1 | 26.21 | 8.10 | 30.01 | 90.3 | 6.15 | 7.0 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS2(A) | 5:44 | 3.3 | Middle | 2 | 2 | 26.20 | 8.10 | 29.94 | 90.2 | 6.14 | 6.8 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS2(A) | 5:44 | 5.6 | Bottom | 3 | 1 | 26.22 | 8.10 | 30.03 | 90.2 | 6.14 | 7.2 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS2(A) | 5:44 | 5.6 | Bottom | 3 | 2 | 26.23 | 8.09 | 30.10 | 90.2 | 6.14 | 7.5 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS(Mf)5 | 3:31 | 1.0 | Surface | 1 | 1 | 25.92 | 8.01 | 29.36 | 82.7 | 5.46 | 7.3 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS(Mf)5 | 3:30 | 1.0 | Surface | 1 | 2 | 25.92 | 8.01 | 29.58 | 83.3 | 5.50 | 7.5 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS(Mf)5 | 3:31 | 6.2 | Middle | 2 | 1 | 25.93 | 8.00 | 29.61 | 81.4 | 5.34 | 7.3 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS(Mf)5 | 3:30 | 6.2 | Middle | 2 | 2 | 25.93 | 8.00 | 29.99 | 81.3 | 5.36 | 7.4 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS(Mf)5 | 3:30 | 11.3 | Bottom | 3 | 1 | 25.93 | 7.98 | 31.45 | 81.1 | 5.30 | 7.5 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Ebb | Cloudy | CS(Mf)5 | 3:31 | 11.3 | Bottom | 3 | 2 | 25.93 | 7.99 | 30.77 | 80.6 | 5.32 | 7.5 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS5 | 13:14 | 1.0 | Surface | 1 | 1 | 25.67 | 8.07 | 28.76 | 92.5 | 6.19 | 7.8 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS5 | 13:13 | 1.0 | Surface | 1 | 2 | 25.67 | 8.06 | 28.72 | 88.2 | 5.87 | 8.0 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS5 | 13:14 | 4.4 | Middle | 2 | 1 | 25.67 | 8.07 | 28.76 | 84.3 | 5.59 | 8.1 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS5 | 13:13 | 4.4 | Middle | 2 | 2 | 25.67 | 8.06 | 28.70 | 86.3 | 5.74 | 8.3 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS5 | 13:14 | 7.7 | Bottom | 3 | 1 | 25.67 | 8.06 | 28.75 | 83.7 | 5.54 | 8.2 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS5 | 13:13 | 7.7 | Bottom | 3 | 2 | 25.64 | 8.06 | 28.69 | 83.3 | 5.51 | 8.3 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS(Mf)6 | 13:07 | 1.0 | Surface | 1 | 1 | 25.76 | 8.07 | 28.49 | 89.8 | 5.99 | 8.8 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS(Mf)6 | 13:09 | 1.0 | Surface | 1 | 2 | 25.78 | 8.08 | 28.73 | 93.5 | 6.26 | 8.7 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS(Mf)6 | 13:08 | 2.3 | Bottom | 3 | 1 | 25.76 | 8.08 | 28.75 | 85.3 | 5.65 | 8.8 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS(Mf)6 | 13:07 | 2.3 | Bottom | 3 | 2 | 25.74 | 8.07 | 28.43 | 83.8 | 5.54 | 8.9 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS7 | 12:58 | 1.0 | Surface | 1 | 1 | 25.99 | 8.06 | 28.70 | 85.3 | 5.63 | 8.9 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS7 | 12:58 | 1.0 | Surface | 1 | 2 | 25.99 | 8.06 | 28.76 | 82.8 | 5.45 | 8.8 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS7 | 12:58 | 2.2 | Bottom | 3 | 1 | 25.94 | 8.05 | 28.67 | 84.1 | 5.53 | 8.9 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS7 | 12:58 | 2.2 | Bottom | 3 | 2 | 25.88 | 8.06 | 28.75 | 82.7 | 5.43 | 8.7 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS8 | 12:29 | 1.0 | Surface | 1 | 1 | 25.84 | 8.05 | 28.32 | 89.4 | 5.93 | 9.5 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS8 | 12:29 | 1.0 | Surface | 1 | 2 | 25.84 | 8.05 | 28.21 | 85.8 | 5.66 | 9.3 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS8 | 12:29 | 3.3 | Bottom | 3 | 1 | 25.85 | 8.04 | 28.31 | 82.8 | 5.44 | 9.1 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS8 | 12:29 | 3.3 | Bottom | 3 | 2 | 25.84 | 8.05 | 28.15 | 80.9 | 5.30 | 9.5 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS(Mf)9 | 12:47 | 1.0 | Surface | 1 | 1 | 26.06 | 8.04 | 28.70 | 86.6 | 5.71 | 8.8 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS(Mf)9 | 12:47 | 1.0 | Surface | 1 | 2 | 26.07 | 8.05 | 28.74 | 90.8 | 6.01 | 8.6 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS(Mf)9 | 12:46 | 2.8 | Bottom | 3 | 1 | 26.03 | 8.04 | 28.70 | 82.3 | 5.39 | 8.8 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS(Mf)9 | 12:47 | 2.8 | Bottom | 3 | 2 | 26.07 | 8.04 | 28.74 | 84.7 | 5.56 | 8.8 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS10(N) | 11:55 | 1.0 | Surface | 1 | 1 | 26.48 | 8.09 | 29.22 | 89.3 | 6.10 | 7.1 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS10(N) | 11:55 | 1.0 | Surface | 1 | 2 | 26.49 | 8.09 | 28.98 | 89.4 | 6.11 | 6.7 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS10(N) | 11:55 | 5.4 | Middle | 2 | 1 | 26.34 | 8.11 | 29.78 | 89.0 | 6.07 | 8.3 | 9.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS10(N) | 11:54 | 5.4 | Middle | 2 | 2 | 26.35 | 8.11 | 29.54 | 88.5 | 6.04 | 8.5 | 7.5 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS10(N) | 11:55 | 9.7 | Bottom | 3 | 1 | 26.34 | 8.11 | 29.71 | 89.0 | 6.07 | 9.0 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | IS10(N) | 11:54 | 9.7 | Bottom | 3 | 2 | 26.34 | 8.11 | 29.48 | 88.7 | 6.06 | 8.9 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR3(N) | 13:23 | 1.0 | Surface | 1 | 1 | 25.71 | 8.06 | 28.65 | 93.0 | 6.23 | 8.2 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR3(N) | 13:23 | 1.0 | Surface | 1 | 2 | 25.71 | 8.06 | 28.54 | 88.9 | 5.93 | 8.1 | 3.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR3(N) | 13:23 | 2.5 | Bottom | 3 | 1 | 25.70 | 8.06 | 28.45 | 86.7 | 5.77 | 8.8 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR3(N) | 13:23 | 2.5 | Bottom | 3 | 2 | 25.71 | 8.06 | 28.60 | 85.1 | 5.64 | 8.5 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR4(N) | 12:36 | 1.0 | Surface | 1 | 1 | 25.82 | 8.05 | 28.48 | 89.4 | 5.95 | 10.1 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR4(N) | 12:35 | 1.0 | Surface | 1 | 2 | 25.82 | 8.04 | 28.42 | 85.4 | 5.66 | 10.2 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR4(N) | 12:36 | 2.8 | Bottom | 3 | 1 | 25.83 | 8.04 | 28.48 | 83.6 | 5.53 | 10.0 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR4(N) | 12:35 | 2.8 | Bottom | 3 | 2 | 25.83 | 8.05 | 28.41 | 81.7 | 5.39 | 10.1 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR5(N) | 11:43 | 1.0 | Surface | 1 | 1 | 26.55 | 8.10 | 28.27 | 93.9 | 6.52 | 5.5 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR5(N) | 11:42 | 1.0 | Surface | 1 | 2 | 26.56 | 8.11 | 27.42 | 91.7 | 6.34 | 5.1 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR5(N) | 11:42 | 3.8 | Middle | 2 | 1 | 26.41 | 8.12 | 28.62 | 89.7 | 6.15 | 7.5 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR5(N) | 11:42 | 3.8 | Middle | 2 | 2 | 26.42 | 8.13 | 27.08 | 89.6 | 6.15 | 7.4 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR5(N) | 11:42 | 6.6 | Bottom | 3 | 1 | 26.38 | 8.12 | 28.53 | 89.3 | 6.12 | 7.7 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR5(N) | 11:41 | 6.6 | Bottom | 3 | 2 | 26.36 | 8.15 | 26.53 | 91.1 | 6.27 | 7.3 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10A(N) | 12:50 | 1.0 | Surface | 1 | 1 | 26.63 | 8.12 | 31.89 | 87.2 | 5.83 | 4.2 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10A(N) | 12:51 | 1.0 | Surface | 1 | 2 | 26.62 | 8.11 | 31.85 | 88.7 | 5.94 | 3.8 | 3.1 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10A(N) | 12:51 | 6.4 | Middle | 2 | 1 | 26.64 | 8.11 | 32.26 | 84.2 | 5.65 | 4.4 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10A(N) | 12:50 | 6.4 | Middle | 2 | 2 | 26.65 | 8.12 | 32.20 | 84.9 | 5.69 | 4.9 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10A(N) | 12:50 | 11.8 | Bottom | 3 | 1 | 26.65 | 8.12 | 32.14 | 85.6 | 5.74 | 5.0 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10A(N) | 12:50 | 11.8 | Bottom | 3 | 2 | 26.64 | 8.11 | 32.21 | 84.6 | 5.66 | 5.2 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10B(N2) | 13:02 | 1.0 | Surface | 1 | 1 | 26.62 | 8.11 | 31.85 | 83.7 | 5.61 | 3.7 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10B(N2) | 13:01 | 1.0 | Surface | 1 | 2 | 26.62 | 8.11 | 31.88 | 83.7 | 5.62 | 3.4 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10B(N2) | 13:01 | 3.4 | Middle | 2 | 1 | 26.63 | 8.11 | 32.03 | 84.0 | 5.63 | 3.7 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10B(N2) | 13:01 | 3.4 | Middle | 2 | 2 | 26.63 | 8.11 | 32.01 | 83.7 | 5.61 | 3.8 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10B(N2) | 13:01 | 5.8 | Bottom | 3 | 1 | 26.63 | 8.11 | 32.10 | 83.9 | 5.62 | 3.6 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | SR10B(N2) | 13:01 | 5.8 | Bottom | 3 | 2 | 26.63 | 8.11 | 32.06 | 83.9 | 5.62 | 4.0 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS2(A) | 10:32 | 1.0 | Surface | 1 | 1 | 26.35 | 8.11 | 30.03 | 90.4 | 6.15 | 5.4 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS2(A) | 10:31 | 1.0 | Surface | 1 | 2 | 26.35 | 8.11 | 30.05 | 90.2 | 6.14 | 5.8 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS2(A) | 10:31 | 3.3 | Middle | 2 | 1 | 26.36 | 8.10 | 30.20 | 90.2 | 6.13 | 7.2 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS2(A) | 10:31 | 3.3 | Middle | 2 | 2 | 26.36 | 8.10 | 30.25 | 90.1 | 6.12 | 7.3 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS2(A) | 10:31 | 5.6 | Bottom | 3 | 1 | 26.37 | 8.10 | 30.24 | 90.2 | 6.13 | 8.4 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS2(A) | 10:31 | 5.6 | Bottom | 3 | 2 | 26.38 | 8.09 | 30.34 | 90.0 | 6.12 | 8.8 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS(Mf)5 | 11:48 | 1.0 | Surface | 1 | 1 | 25.97 | 8.05 | 29.77 | 87.8 | 5.84 | 7.7 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS(Mf)5 | 11:47 | 1.0 | Surface | 1 | 2 | 25.97 | 8.04 | 30.10 | 97.4 | 6.42 | 7.7 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS(Mf)5 | 11:48 | 6.3 | Middle | 2 | 1 | 26.02 | 8.04 | 29.90 | 87.8 | 5.82 | 7.8 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS(Mf)5 | 11:47 | 6.3 | Middle | 2 | 2 | 26.03 | 8.02 | 30.39 | 88.5 | 5.88 | 7.9 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS(Mf)5 | 11:47 | 11.5 | Bottom | 3 | 1 | 26.03 | 8.04 | 30.03 | 87.6 | 5.81 | 7.8 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-15 | Mid-Flood | Sunny | CS(Mf)5 | 11:46 | 11.5 | Bottom | 3 | 2 | 26.02 | 7.97 | 32.07 | 88.5 | 5.86 | 7.9 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS5 | 17:36 | 1.0 | Surface | 1 | 1 | 25.43 | 8.04 | 27.75 | 90.4 | 6.33 | 3.9 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS5 | 17:37 | 1.0 | Surface | 1 | 2 | 25.42 | 8.07 | 27.75 | 89.6 | 6.28 | 4.0 | 3.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS5 | 17:37 | 4.2 | Middle | 2 | 1 | 25.65 | 8.04 | 28.93 | 88.8 | 6.14 | 5.4 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS5 | 17:36 | 4.2 | Middle | 2 | 2 | 25.62 | 8.01 | 28.98 | 88.8 | 6.16 | 5.3 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS5 | 17:35 | 7.4 | Bottom | 3 | 1 | 25.69 | 7.99 | 29.81 | 86.4 | 5.96 | 6.0 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS5 | 17:37 | 7.4 | Bottom | 3 | 2 | 25.72 | 8.03 | 29.83 | 86.6 | 5.96 | 6.4 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS(Mf)6 | 17:46 | 1.0 | Surface | 1 | 1 | 25.41 | 8.07 | 27.43 | 93.5 | 6.56 | 8.3 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS(Mf)6 | 17:45 | 1.0 | Surface | 1 | 2 | 25.40 | 8.06 | 27.42 | 93.7 | 6.58 | 8.0 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS(Mf)6 | 17:45 | 2.1 | Bottom | 3 | 1 | 25.42 | 8.04 | 27.45 | 94.5 | 6.63 | 8.9 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS(Mf)6 | 17:46 | 2.1 | Bottom | 3 | 2 | 25.43 | 8.06 | 27.46 | 94.1 | 6.59 | 8.7 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS7 | 17:56 | 1.0 | Surface | 1 | 1 | 25.47 | 8.06 | 27.42 | 92.1 | 6.46 | 3.1 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS7 | 17:56 | 1.0 | Surface | 1 | 2 | 25.46 | 8.05 | 27.42 | 91.7 | 6.43 | 3.2 | 1.8 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS7 | 17:56 | 2.2 | Bottom | 3 | 1 | 25.49 | 8.06 | 27.44 | 93.1 | 6.52 | 3.2 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS7 | 17:55 | 2.2 | Bottom | 3 | 2 | 25.48 | 8.04 | 27.42 | 92.6 | 6.49 | 3.4 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS8 | 18:24 | 1.0 | Surface | 1 | 1 | 25.45 | 8.06 | 27.43 | 90.8 | 6.37 | 2.8 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS8 | 18:25 | 1.0 | Surface | 1 | 2 | 25.48 | 8.07 | 27.45 | 90.7 | 6.36 | 2.6 | 1.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS8 | 18:25 | 2.9 | Bottom | 3 | 1 | 25.67 | 8.04 | 28.02 | 91.2 | 6.33 | 4.1 | 0.9 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS8 | 18:24 | 2.9 | Bottom | 3 | 2 | 25.65 | 8.03 | 28.00 | 90.9 | 6.34 | 4.4 | 1.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS(Mf)9 | 18:06 | 1.0 | Surface | 1 | 1 | 25.47 | 8.07 | 27.47 | 92.0 | 6.45 | 3.0 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS(Mf)9 | 18:05 | 1.0 | Surface | 1 | 2 | 25.46 | 8.05 | 27.46 | 92.5 | 6.49 | 2.9 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS(Mf)9 | 18:05 | 2.5 | Bottom | 3 | 1 | 25.61 | 8.05 | 27.77 | 92.8 | 6.48 | 3.2 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS(Mf)9 | 18:05 | 2.5 | Bottom | 3 | 2 | 25.59 | 8.04 | 27.77 | 94.0 | 6.56 | 3.4 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS10(N) | 18:26 | 1.0 | Surface | 1 | 1 | 26.19 | 8.11 | 29.78 | 87.3 | 5.97 | 2.6 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS10(N) | 18:27 | 1.0 | Surface | 1 | 2 | 26.20 | 8.11 | 29.67 | 87.3 | 5.97 | 2.6 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS10(N) | 18:26 | 5.3 | Middle | 2 | 1 | 26.33 | 8.10 | 30.49 | 85.2 | 5.79 | 2.9 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS10(N) | 18:27 | 5.3 | Middle | 2 | 2 | 26.32 | 8.10 | 30.55 | 85.2 | 5.79 | 2.8 | 3.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS10(N) | 18:26 | 9.5 | Bottom | 3 | 1 | 26.51 | 8.10 | 31.80 | 85.0 | 5.71 | 3.2 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | IS10(N) | 18:27 | 9.5 | Bottom | 3 | 2 | 26.51 | 8.10 | 32.00 | 84.9 | 5.70 | 3.0 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR3(N) | 17:27 | 1.0 | Surface | 1 | 1 | 25.50 | 8.06 | 28.49 | 90.5 | 6.30 | 4.8 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR3(N) | 17:27 | 1.0 | Surface | 1 | 2 | 25.50 | 8.04 | 28.47 | 90.6 | 6.31 | 4.7 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR3(N) | 17:27 | 2.3 | Bottom | 3 | 1 | 25.53 | 8.05 | 28.63 | 90.8 | 6.32 | 5.1 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR3(N) | 17:26 | 2.3 | Bottom | 3 | 2 | 25.52 | 8.02 | 28.62 | 91.6 | 6.38 | 4.9 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR4(N) | 18:17 | 1.0 | Surface | 1 | 1 | 25.48 | 8.03 | 27.14 | 91.8 | 6.45 | 3.4 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR4(N) | 18:18 | 1.0 | Surface | 1 | 2 | 25.48 | 8.05 | 27.13 | 91.3 | 6.41 | 3.2 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR4(N) | 18:16 | 2.6 | Bottom | 3 | 1 | 25.59 | 8.02 | 27.64 | 92.1 | 6.44 | 4.0 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR4(N) | 18:17 | 2.6 | Bottom | 3 | 2 | 25.59 | 8.03 | 27.60 | 91.4 | 6.39 | 3.8 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR5(N) | 18:18 | 1.0 | Surface | 1 | 1 | 26.23 | 8.11 | 29.73 | 87.9 | 6.01 | 2.8 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR5(N) | 18:17 | 1.0 | Surface | 1 | 2 | 26.16 | 8.10 | 29.06 | 87.5 | 6.01 | 2.6 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR5(N) | 18:18 | 4.0 | Middle | 2 | 1 | 26.34 | 8.10 | 30.20 | 85.2 | 5.80 | 2.9 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR5(N) | 18:17 | 4.0 | Middle | 2 | 2 | 26.35 | 8.09 | 29.52 | 85.3 | 5.76 | 3.0 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR5(N) | 18:17 | 7.0 | Bottom | 3 | 1 | 26.50 | 8.10 | 31.36 | 85.1 | 5.74 | 3.7 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR5(N) | 18:17 | 7.0 | Bottom | 3 | 2 | 26.51 | 8.09 | 30.94 | 84.7 | 5.79 | 3.9 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10A(N) | 19:13 | 1.0 | Surface | 1 | 1 | 26.16 | 8.12 | 31.53 | 85.8 | 5.81 | 3.3 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10A(N) | 19:13 | 1.0 | Surface | 1 | 2 | 26.24 | 8.12 | 31.26 | 85.4 | 5.79 | 3.2 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10A(N) | 19:13 | 6.8 | Middle | 2 | 1 | 26.55 | 8.13 | 33.31 | 85.1 | 5.62 | 3.3 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10A(N) | 19:13 | 6.8 | Middle | 2 | 2 | 26.56 | 8.13 | 33.58 | 84.9 | 5.61 | 3.3 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10A(N) | 19:12 | 12.6 | Bottom | 3 | 1 | 26.65 | 8.14 | 34.40 | 84.7 | 5.63 | 3.8 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10A(N) | 19:13 | 12.6 | Bottom | 3 | 2 | 26.64 | 8.14 | 34.48 | 84.4 | 5.62 | 3.6 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10B(N2) | 19:23 | 1.0 | Surface | 1 | 1 | 26.13 | 8.12 | 31.55 | 85.9 | 5.82 | 2.5 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10B(N2) | 19:22 | 1.0 | Surface | 1 | 2 | 26.12 | 8.12 | 30.94 | 85.7 | 5.83 | 2.5 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10B(N2) | 19:22 | 3.8 | Middle | 2 | 1 | 26.57 | 8.13 | 33.35 | 84.6 | 5.59 | 2.8 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10B(N2) | 19:23 | 3.8 | Middle | 2 | 2 | 26.40 | 8.13 | 33.67 | 84.9 | 5.61 | 2.7 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10B(N2) | 19:22 | 6.6 | Bottom | 3 | 1 | 26.66 | 8.14 | 34.51 | 84.5 | 5.63 | 3.4 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | SR10B(N2) | 19:23 | 6.6 | Bottom | 3 | 2 | 26.64 | 8.14 | 34.50 | 84.7 | 5.65 | 3.2 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS2(A) | 17:27 | 1.0 | Surface | 1 | 1 | 26.12 | 8.13 | 30.90 | 91.3 | 6.21 | 4.1 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS2(A) | 17:26 | 1.0 | Surface | 1 | 2 | 26.17 | 8.13 | 30.83 | 91.0 | 6.19 | 4.3 | 1.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS2(A) | 17:26 | 4.3 | Middle | 2 | 1 | 26.56 | 8.15 | 34.30 | 90.3 | 5.97 | 5.6 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS2(A) | 17:27 | 4.3 | Middle | 2 | 2 | 26.44 | 8.15 | 33.84 | 90.3 | 5.97 | 5.8 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS2(A) | 17:26 | 7.5 | Bottom | 3 | 1 | 26.60 | 8.15 | 34.41 | 89.9 | 5.96 | 6.5 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS2(A) | 17:27 | 7.5 | Bottom | 3 | 2 | 26.59 | 8.16 | 34.55 | 90.1 | 5.99 | 6.9 | 1.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:47 | 1.0 | Surface | 1 | 1 | 25.80 | 8.08 | 30.63 | 83.8 | 5.74 | 2.7 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:49 | 1.0 | Surface | 1 | 2 | 25.81 | 8.09 | 30.63 | 83.4 | 5.70 | 2.5 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:48 | 6.0 | Middle | 2 | 1 | 26.06 | 8.08 | 32.84 | 82.0 | 5.52 | 3.6 | 1.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:47 | 6.0 | Middle | 2 | 2 | 26.06 | 8.07 | 32.82 | 82.4 | 5.55 | 3.4 | 0.8 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:47 | 11.0 | Bottom | 3 | 1 | 26.04 | 8.06 | 33.03 | 83.9 | 5.65 | 4.4 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:48 | 11.0 | Bottom | 3 | 2 | 26.05 | 8.07 | 33.05 | 83.7 | 5.63 | 4.5 | 0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS5 | 6:27 | 1.0 | Surface | 1 | 1 | 25.20 | 8.07 | 27.70 | 83.5 | 5.75 | 2.4 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS5 | 6:28 | 1.0 | Surface | 1 | 2 | 25.17 | 8.07 | 27.69 | 84.5 | 5.84 | 2.3 | 0.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS5 | 6:28 | 4.3 | Middle | 2 | 1 | 25.50 | 8.07 | 28.74 | 81.5 | 5.53 | 3.4 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS5 | 6:27 | 4.3 | Middle | 2 | 2 | 25.50 | 8.07 | 28.71 | 81.9 | 5.57 | 3.4 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS5 | 6:28 | 7.6 | Bottom | 3 | 1 | 25.58 | 8.08 | 29.74 | 83.2 | 5.61 | 3.9 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS5 | 6:26 | 7.6 | Bottom | 3 | 2 | 25.58 | 8.08 | 29.75 | 84.1 | 5.67 | 4.2 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS(Mf)6 | 6:17 | 1.0 | Surface | 1 | 1 | 25.18 | 8.06 | 27.78 | 88.6 | 6.11 | 1.8 | 0.7 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS(Mf)6 | 6:16 | 1.0 | Surface | 1 | 2 | 25.18 | 8.07 | 27.80 | 88.9 | 6.12 | 1.8 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS(Mf)6 | 6:16 | 2.2 | Bottom | 3 | 1 | 25.24 | 8.07 | 27.92 | 89.6 | 6.17 | 2.6 | 1.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS(Mf)6 | 6:17 | 2.2 | Bottom | 3 | 2 | 25.23 | 8.06 | 27.91 | 89.4 | 6.16 | 2.8 | 1.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS7 | 6:07 | 1.0 | Surface | 1 | 1 | 25.20 | 8.08 | 27.80 | 87.8 | 6.05 | 1.9 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS7 | 6:08 | 1.0 | Surface | 1 | 2 | 25.18 | 8.07 | 27.80 | 87.3 | 6.02 | 1.8 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS7 | 6:08 | 2.4 | Bottom | 3 | 1 | 25.46 | 8.07 | 28.18 | 88.7 | 6.09 | 1.9 | 1.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS7 | 6:07 | 2.4 | Bottom | 3 | 2 | 25.44 | 8.07 | 28.19 | 89.3 | 6.08 | 2.0 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS8 | 5:39 | 1.0 | Surface | 1 | 1 | 25.17 | 8.11 | 27.78 | 87.2 | 6.01 | 1.9 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS8 | 5:40 | 1.0 | Surface | 1 | 2 | 25.17 | 8.10 | 27.80 | 88.0 | 6.06 | 1.8 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS8 | 5:39 | 3.0 | Bottom | 3 | 1 | 25.36 | 8.11 | 27.97 | 87.3 | 5.99 | 2.4 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS8 | 5:40 | 3.0 | Bottom | 3 | 2 | 25.33 | 8.10 | 27.93 | 87.9 | 6.05 | 2.2 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS(Mf)9 | 6:00 | 1.0 | Surface | 1 | 1 | 25.19 | 8.08 | 27.84 | 88.8 | 6.11 | 2.3 | 1.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS(Mf)9 | 5:59 | 1.0 | Surface | 1 | 2 | 25.19 | 8.08 | 27.86 | 89.2 | 6.14 | 2.4 | 1.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS(Mf)9 | 6:00 | 2.6 | Bottom | 3 | 1 | 25.23 | 8.08 | 27.96 | 90.4 | 6.22 | 2.7 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS(Mf)9 | 5:59 | 2.6 | Bottom | 3 | 2 | 25.29 | 8.08 | 27.99 | 90.9 | 6.24 | 2.8 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS10(N) | 5:47 | 1.0 | Surface | 1 | 1 | 26.35 | 8.09 | 29.97 | 85.5 | 5.82 | 3.6 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS10(N) | 5:48 | 1.0 | Surface | 1 | 2 | 26.28 | 8.10 | 30.11 | 85.5 | 5.83 | 3.6 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS10(N) | 5:48 | 5.5 | Middle | 2 | 1 | 26.52 | 8.09 | 30.68 | 83.3 | 5.55 | 4.9 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS10(N) | 5:47 | 5.5 | Middle | 2 | 2 | 26.54 | 8.09 | 30.46 | 83.3 | 5.56 | 4.6 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS10(N) | 5:47 | 9.9 | Bottom | 3 | 1 | 26.63 | 8.08 | 32.79 | 82.9 | 5.61 | 5.2 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | IS10(N) | 5:48 | 9.9 | Bottom | 3 | 2 | 26.63 | 8.09 | 33.08 | 83.1 | 5.62 | 5.4 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR3(N) | 6:37 | 1.0 | Surface | 1 | 1 | 25.27 | 8.06 | 28.71 | 87.7 | 6.05 | 2.8 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR3(N) | 6:38 | 1.0 | Surface | 1 | 2 | 25.27 | 8.06 | 28.70 | 87.8 | 6.06 | 2.7 | 3.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR3(N) | 6:38 | 2.4 | Bottom | 3 | 1 | 25.34 | 8.06 | 28.82 | 87.5 | 6.03 | 3.5 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR3(N) | 6:37 | 2.4 | Bottom | 3 | 2 | 25.34 | 8.07 | 28.84 | 86.4 | 5.96 | 3.3 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR4(N) | 5:49 | 1.0 | Surface | 1 | 1 | 25.17 | 8.09 | 27.84 | 89.3 | 6.15 | 2.6 | 1.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR4(N) | 5:50 | 1.0 | Surface | 1 | 2 | 25.17 | 8.09 | 27.85 | 89.0 | 6.13 | 2.5 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR4(N) | 5:48 | 2.7 | Bottom | 3 | 1 | 25.21 | 8.10 | 27.88 | 90.0 | 6.19 | 3.4 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR4(N) | 5:49 | 2.7 | Bottom | 3 | 2 | 25.19 | 8.09 | 27.87 | 89.6 | 6.17 | 3.6 | 1.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR5(N) | 5:56 | 1.0 | Surface | 1 | 1 | 26.39 | 8.10 | 30.40 | 86.7 | 5.89 | 3.3 | 0.7 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR5(N) | 5:57 | 1.0 | Surface | 1 | 2 | 26.36 | 8.10 | 30.13 | 86.2 | 5.87 | 3.2 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR5(N) | 5:56 | 4.1 | Middle | 2 | 1 | 26.49 | 8.09 | 30.87 | 83.6 | 5.65 | 4.6 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR5(N) | 5:57 | 4.1 | Middle | 2 | 2 | 26.48 | 8.09 | 30.84 | 83.5 | 5.65 | 4.8 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR5(N) | 5:57 | 7.2 | Bottom | 3 | 1 | 26.64 | 8.10 | 33.31 | 83.2 | 5.53 | 4.5 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR5(N) | 5:56 | 7.2 | Bottom | 3 | 2 | 26.64 | 8.10 | 33.19 | 82.7 | 5.51 | 4.9 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10A(N) | 5:01 | 1.0 | Surface | 1 | 1 | 26.52 | 8.09 | 33.76 | 85.2 | 5.66 | 2.5 | 1.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10A(N) | 5:01 | 1.0 | Surface | 1 | 2 | 26.53 | 8.09 | 33.80 | 85.2 | 5.65 | 2.6 | 1.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10A(N) | 5:01 | 6.8 | Middle | 2 | 1 | 26.55 | 8.09 | 33.82 | 84.9 | 5.65 | 2.7 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10A(N) | 5:01 | 6.8 | Middle | 2 | 2 | 26.56 | 8.09 | 33.77 | 85.0 | 5.65 | 2.7 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10A(N) | 5:00 | 12.6 | Bottom | 3 | 1 | 26.58 | 8.09 | 33.88 | 84.8 | 5.63 | 2.8 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10A(N) | 5:01 | 12.6 | Bottom | 3 | 2 | 26.56 | 8.09 | 33.81 | 84.9 | 5.64 | 2.7 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10B(N2) | 4:52 | 1.0 | Surface | 1 | 1 | 26.53 | 8.08 | 33.92 | 85.2 | 5.66 | 2.6 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10B(N2) | 4:51 | 1.0 | Surface | 1 | 2 | 26.55 | 8.08 | 34.14 | 84.9 | 5.63 | 2.8 | 2.0 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10B(N2) | 4:51 | 4.1 | Middle | 2 | 1 | 26.58 | 8.09 | 34.24 | 84.6 | 5.60 | 2.8 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10B(N2) | 4:52 | 4.1 | Middle | 2 | 2 | 26.55 | 8.08 | 33.90 | 84.9 | 5.63 | 2.8 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10B(N2) | 4:51 | 7.1 | Bottom | 3 | 1 | 26.61 | 8.09 | 34.31 | 84.8 | 5.61 | 2.9 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | SR10B(N2) | 4:51 | 7.1 | Bottom | 3 | 2 | 26.62 | 8.10 | 34.55 | 84.1 | 5.55 | 2.9 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS2(A) | 6:48 | 1.0 | Surface | 1 | 1 | 26.14 | 8.14 | 30.71 | 91.7 | 6.24 | 4.9 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS2(A) | 6:48 | 1.0 | Surface | 1 | 2 | 26.16 | 8.14 | 30.66 | 91.4 | 6.22 | 4.7 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS2(A) | 6:48 | 4.0 | Middle | 2 | 1 | 26.40 | 8.15 | 31.30 | 89.8 | 5.95 | 7.9 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS2(A) | 6:47 | 4.0 | Middle | 2 | 2 | 26.51 | 8.15 | 31.12 | 89.6 | 5.94 | 7.8 | 0.5 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS2(A) | 6:47 | 7.0 | Bottom | 3 | 1 | 26.60 | 8.15 | 34.04 | 89.0 | 6.01 | 9.0 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS2(A) | 6:48 | 7.0 | Bottom | 3 | 2 | 26.60 | 8.16 | 34.14 | 89.2 | 6.02 | 8.7 | 1.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS(Mf)5 | 5:12 | 1.0 | Surface | 1 | 1 | 25.54 | 8.11 | 29.94 | 85.5 | 5.89 | 2.4 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS(Mf)5 | 5:13 | 1.0 | Surface | 1 | 2 | 25.55 | 8.11 | 29.98 | 84.9 | 5.85 | 2.4 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS(Mf)5 | 5:12 | 6.1 | Middle | 2 | 1 | 25.95 | 8.10 | 32.73 | 82.0 | 5.52 | 4.2 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS(Mf)5 | 5:13 | 6.1 | Middle | 2 | 2 | 25.94 | 8.11 | 32.70 | 81.1 | 5.46 | 4.5 | 1.4 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS(Mf)5 | 5:12 | 11.2 | Bottom | 3 | 1 | 25.95 | 8.10 | 32.76 | 83.6 | 5.63 | 5.4 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-17 | Mid-Flood | Cloudy | CS(Mf)5 | 5:11 | 11.2 | Bottom | 3 | 2 | 25.95 | 8.09 | 32.76 | 84.6 | 5.70 | 5.5 | 1.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS5 | 9:35 | 1.0 | Surface | 1 | 1 | 25.34 | 8.09 | 29.62 | 90.4 | 6.13 | 3.0 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS5 | 9:35 | 1.0 | Surface | 1 | 2 | 25.37 | 8.10 | 29.64 | 98.3 | 6.63 | 3.0 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS5 | 9:35 | 4.1 | Middle | 2 | 1 | 25.69 | 8.12 | 33.32 | 94.0 | 6.37 | 4.0 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS5 | 9:35 | 4.1 | Middle | 2 | 2 | 25.78 | 8.10 | 33.26 | 89.9 | 6.12 | 4.1 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS5 | 9:35 | 7.2 | Bottom | 3 | 1 | 25.58 | 8.09 | 33.53 | 88.4 | 6.01 | 5.3 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS5 | 9:35 | 7.2 | Bottom | 3 | 2 | 25.79 | 8.12 | 33.48 | 91.8 | 6.36 | 5.1 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS(Mf)6 | 9:27 | 1.0 | Surface | 1 | 1 | 24.90 | 8.05 | 29.21 | 94.8 | 6.65 | 1.4 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS(Mf)6 | 9:27 | 1.0 | Surface | 1 | 2 | 24.92 | 8.05 | 29.28 | 93.2 | 6.53 | 1.5 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS(Mf)6 | 9:27 | 2.0 | Bottom | 3 | 1 | 24.95 | 8.05 | 29.34 | 93.3 | 6.53 | 1.7 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS(Mf)6 | 9:27 | 2.0 | Bottom | 3 | 2 | 24.96 | 8.07 | 29.42 | 97.7 | 6.84 | 1.7 | 0.9 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS7 | 9:18 | 1.0 | Surface | 1 | 1 | 24.62 | 8.04 | 29.10 | 92.8 | 6.54 | 1.4 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS7 | 9:17 | 1.0 | Surface | 1 | 2 | 24.62 | 8.05 | 29.10 | 95.2 | 6.71 | 1.3 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS7 | 9:17 | 2.0 | Bottom | 3 | 1 | 24.62 | 8.05 | 29.10 | 94.1 | 6.63 | 1.3 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS7 | 9:17 | 2.0 | Bottom | 3 | 2 | 24.61 | 8.08 | 29.11 | 99.1 | 6.99 | 1.5 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS8 | 8:52 | 1.0 | Surface | 1 | 1 | 25.32 | 8.07 | 29.53 | 92.9 | 6.45 | 6.8 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS8 | 8:52 | 1.0 | Surface | 1 | 2 | 25.22 | 8.06 | 29.58 | 89.9 | 6.26 | 6.7 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS8 | 8:52 | 3.1 | Bottom | 3 | 1 | 25.27 | 8.06 | 31.60 | 91.7 | 6.30 | 6.7 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS8 | 8:52 | 3.1 | Bottom | 3 | 2 | 25.59 | 8.08 | 31.35 | 97.8 | 6.70 | 6.8 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS(Mf)9 | 9:10 | 1.0 | Surface | 1 | 1 | 24.90 | 8.06 | 29.57 | 94.8 | 6.64 | 2.1 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS(Mf)9 | 9:10 | 1.0 | Surface | 1 | 2 | 24.90 | 8.05 | 29.57 | 92.1 | 6.44 | 2.2 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS(Mf)9 | 9:09 | 2.7 | Bottom | 3 | 1 | 24.98 | 8.07 | 29.59 | 98.1 | 6.86 | 2.4 | 0.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS(Mf)9 | 9:10 | 2.7 | Bottom | 3 | 2 | 24.89 | 8.05 | 29.58 | 93.5 | 6.55 | 2.4 | 0.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS10(N) | 8:55 | 1.0 | Surface | 1 | 1 | 25.93 | 8.20 | 27.34 | 90.2 | 5.99 | 2.4 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS10(N) | 8:56 | 1.0 | Surface | 1 | 2 | 25.92 | 8.20 | 27.37 | 89.6 | 5.95 | 2.7 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS10(N) | 8:56 | 5.1 | Middle | 2 | 1 | 25.99 | 8.20 | 28.22 | 88.6 | 5.87 | 3.4 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS10(N) | 8:55 | 5.1 | Middle | 2 | 2 | 25.99 | 8.20 | 28.21 | 88.8 | 5.90 | 3.5 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS10(N) | 8:54 | 9.2 | Bottom | 3 | 1 | 26.20 | 8.23 | 28.27 | 89.8 | 5.94 | 4.2 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | IS10(N) | 8:55 | 9.2 | Bottom | 3 | 2 | 26.19 | 8.22 | 28.26 | 89.1 | 5.87 | 4.0 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR3(N) | 9:44 | 1.0 | Surface | 1 | 1 | 24.73 | 8.05 | 28.65 | 90.6 | 6.39 | 2.1 | <0.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR3(N) | 9:43 | 1.0 | Surface | 1 | 2 | 25.07 | 8.07 | 28.46 | 92.3 | 6.48 | 2.0 | 0.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR3(N) | 9:43 | 2.2 | Bottom | 3 | 1 | 25.03 | 8.05 | 31.04 | 91.5 | 6.34 | 2.5 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR3(N) | 9:43 | 2.2 | Bottom | 3 | 2 | 25.15 | 8.06 | 31.17 | 95.1 | 6.57 | 2.4 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR4(N) | 9:00 | 1.0 | Surface | 1 | 1 | 25.67 | 7.99 | 30.21 | 80.5 | 5.54 | 4.8 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR4(N) | 8:59 | 1.0 | Surface | 1 | 2 | 25.69 | 8.00 | 30.47 | 87.5 | 6.01 | 4.8 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR4(N) | 9:00 | 2.7 | Bottom | 3 | 1 | 25.67 | 8.00 | 30.51 | 83.9 | 5.76 | 4.7 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR4(N) | 8:59 | 2.7 | Bottom | 3 | 2 | 25.70 | 8.01 | 30.69 | 91.6 | 6.28 | 4.7 | 2.7 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR5(N) | 9:05 | 1.0 | Surface | 1 | 1 | 26.05 | 8.16 | 26.95 | 88.7 | 5.87 | 2.0 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR5(N) | 9:04 | 1.0 | Surface | 1 | 2 | 26.01 | 8.16 | 26.96 | 88.7 | 5.88 | 1.9 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR5(N) | 9:03 | 4.0 | Middle | 2 | 1 | 26.05 | 8.16 | 27.81 | 89.4 | 5.94 | 2.0 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR5(N) | 9:05 | 4.0 | Middle | 2 | 2 | 26.06 | 8.16 | 27.86 | 88.8 | 5.87 | 2.1 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR5(N) | 9:03 | 7.0 | Bottom | 3 | 1 | 26.09 | 8.16 | 27.93 | 89.6 | 5.95 | 1.9 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR5(N) | 9:04 | 7.0 | Bottom | 3 | 2 | 26.12 | 8.16 | 27.90 | 89.1 | 5.89 | 2.0 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10A(N) | 7:59 | 1.0 | Surface | 1 | 1 | 26.28 | 8.12 | 27.99 | 84.6 | 5.50 | 1.3 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10A(N) | 8:00 | 1.0 | Surface | 1 | 2 | 26.29 | 8.12 | 28.00 | 84.8 | 5.53 | 1.2 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10A(N) | 7:59 | 6.8 | Middle | 2 | 1 | 26.40 | 8.12 | 28.43 | 84.6 | 5.49 | 1.5 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10A(N) | 8:00 | 6.8 | Middle | 2 | 2 | 26.34 | 8.12 | 28.28 | 84.3 | 5.49 | 1.4 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10A(N) | 7:59 | 12.6 | Bottom | 3 | 1 | 26.43 | 8.12 | 29.48 | 84.5 | 5.49 | 1.7 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10A(N) | 7:58 | 12.6 | Bottom | 3 | 2 | 26.44 | 8.12 | 29.51 | 85.4 | 5.53 | 1.6 | 3.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10B(N2) | 7:48 | 1.0 | Surface | 1 | 1 | 26.27 | 8.10 | 30.81 | 87.6 | 5.62 | 1.2 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10B(N2) | 7:49 | 1.0 | Surface | 1 | 2 | 26.28 | 8.11 | 30.86 | 86.1 | 5.57 | 1.2 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10B(N2) | 7:47 | 3.5 | Middle | 2 | 1 | 26.36 | 8.09 | 31.14 | 87.4 | 5.57 | 1.4 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10B(N2) | 7:48 | 3.5 | Middle | 2 | 2 | 26.34 | 8.11 | 31.17 | 86.2 | 5.56 | 1.5 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10B(N2) | 7:47 | 6.0 | Bottom | 3 | 1 | 26.44 | 8.09 | 32.24 | 88.2 | 5.58 | 1.7 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | SR10B(N2) | 7:48 | 6.0 | Bottom | 3 | 2 | 26.44 | 8.11 | 32.19 | 86.8 | 5.58 | 1.8 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS2(A) | 9:56 | 1.0 | Surface | 1 | 1 | 26.04 | 8.21 | 27.34 | 93.9 | 6.28 | 2.3 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS2(A) | 9:57 | 1.0 | Surface | 1 | 2 | 26.04 | 8.21 | 27.44 | 94.5 | 6.27 | 2.1 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS2(A) | 9:55 | 3.8 | Middle | 2 | 1 | 26.08 | 8.22 | 29.51 | 94.1 | 6.31 | 2.3 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS2(A) | 9:57 | 3.8 | Middle | 2 | 2 | 26.09 | 8.21 | 29.58 | 94.4 | 6.27 | 2.3 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS2(A) | 9:56 | 6.6 | Bottom | 3 | 1 | 26.11 | 8.21 | 30.05 | 94.5 | 6.28 | 2.4 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS2(A) | 9:55 | 6.6 | Bottom | 3 | 2 | 26.17 | 8.23 | 30.04 | 92.7 | 6.31 | 2.5 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 8:23 | 1.0 | Surface | 1 | 1 | 25.50 | 8.05 | 31.67 | 82.8 | 5.59 | 2.5 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 8:23 | 1.0 | Surface | 1 | 2 | 25.37 | 8.04 | 31.77 | 82.5 | 5.61 | 2.7 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 8:23 | 6.1 | Middle | 2 | 1 | 25.89 | 8.04 | 32.81 | 82.0 | 5.59 | 2.5 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 8:22 | 6.1 | Middle | 2 | 2 | 25.89 | 8.03 | 32.71 | 81.9 | 5.55 | 2.5 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 8:23 | 11.2 | Bottom | 3 | 1 | 25.83 | 8.05 | 33.09 | 81.6 | 5.54 | 2.6 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 8:22 | 11.2 | Bottom | 3 | 2 | 25.95 | 8.04 | 33.17 | 81.0 | 5.47 | 2.5 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS5 | 15:30 | 1.0 | Surface | 1 | 1 | 25.28 | 7.74 | 29.76 | 95.6 | 6.57 | 4.1 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS5 | 15:30 | 1.0 | Surface | 1 | 2 | 25.25 | 7.74 | 29.67 | 93.2 | 6.48 | 3.9 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS5 | 15:30 | 4.3 | Middle | 2 | 1 | 25.39 | 7.74 | 30.00 | 92.7 | 6.37 | 4.4 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS5 | 15:29 | 4.3 | Middle | 2 | 2 | 25.40 | 7.74 | 29.97 | 94.2 | 6.54 | 4.5 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS5 | 15:29 | 7.6 | Bottom | 3 | 1 | 25.47 | 7.74 | 30.90 | 93.9 | 6.50 | 4.5 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS5 | 15:30 | 7.6 | Bottom | 3 | 2 | 25.44 | 7.74 | 31.05 | 91.7 | 6.35 | 4.6 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS(Mf)6 | 15:39 | 1.0 | Surface | 1 | 1 | 25.59 | 7.85 | 30.63 | 93.3 | 6.41 | 9.4 | 10.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS(Mf)6 | 15:39 | 1.0 | Surface | 1 | 2 | 25.58 | 7.87 | 30.61 | 96.3 | 6.62 | 9.3 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS(Mf)6 | 15:39 | 2.3 | Bottom | 3 | 1 | 25.56 | 7.87 | 30.64 | 99.1 | 6.81 | 9.2 | 9.9 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS(Mf)6 | 15:39 | 2.3 | Bottom | 3 | 2 | 25.59 | 7.86 | 30.63 | 94.6 | 6.50 | 9.4 | 9.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS7 | 15:48 | 1.0 | Surface | 1 | 1 | 25.54 | 7.88 | 30.56 | 96.2 | 6.62 | 5.6 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS7 | 15:49 | 1.0 | Surface | 1 | 2 | 25.53 | 7.88 | 30.56 | 94.2 | 6.48 | 5.5 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS7 | 15:48 | 2.2 | Bottom | 3 | 1 | 25.51 | 7.88 | 30.57 | 98.9 | 6.81 | 5.6 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS7 | 15:48 | 2.2 | Bottom | 3 | 2 | 25.53 | 7.88 | 30.56 | 94.9 | 6.53 | 5.6 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS8 | 16:15 | 1.0 | Surface | 1 | 1 | 25.85 | 7.89 | 31.28 | 88.9 | 6.06 | 5.3 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS8 | 16:15 | 1.0 | Surface | 1 | 2 | 25.84 | 7.85 | 31.42 | 92.5 | 6.30 | 5.1 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS8 | 16:15 | 3.2 | Bottom | 3 | 1 | 25.88 | 7.85 | 31.76 | 94.3 | 6.41 | 5.5 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS8 | 16:15 | 3.2 | Bottom | 3 | 2 | 25.88 | 7.86 | 31.70 | 91.1 | 6.19 | 5.7 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS(Mf)9 | 15:57 | 1.0 | Surface | 1 | 1 | 25.82 | 7.88 | 31.14 | 92.9 | 6.34 | 7.5 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS(Mf)9 | 15:58 | 1.0 | Surface | 1 | 2 | 25.76 | 7.89 | 31.02 | 90.5 | 6.19 | 7.4 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS(Mf)9 | 15:58 | 2.7 | Bottom | 3 | 1 | 25.82 | 7.88 | 31.21 | 91.7 | 6.26 | 7.8 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS(Mf)9 | 15:57 | 2.7 | Bottom | 3 | 2 | 25.78 | 7.89 | 31.29 | 97.9 | 6.68 | 7.8 | 4.7 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS10(N) | 16:17 | 1.0 | Surface | 1 | 1 | 26.28 | 8.17 | 27.73 | 86.2 | 5.76 | 6.1 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS10(N) | 16:16 | 1.0 | Surface | 1 | 2 | 26.28 | 8.17 | 27.78 | 86.0 | 5.76 | 5.9 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS10(N) | 16:15 | 5.2 | Middle | 2 | 1 | 26.31 | 8.16 | 28.16 | 85.4 | 5.71 | 6.4 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS10(N) | 16:17 | 5.2 | Middle | 2 | 2 | 26.30 | 8.17 | 28.25 | 85.9 | 5.74 | 6.5 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS10(N) | 16:17 | 9.4 | Bottom | 3 | 1 | 26.31 | 8.16 | 28.44 | 86.4 | 5.78 | 7.1 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | IS10(N) | 16:15 | 9.4 | Bottom | 3 | 2 | 26.31 | 8.16 | 28.48 | 86.4 | 5.79 | 6.9 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR3(N) | 15:21 | 1.0 | Surface | 1 | 1 | 25.37 | 7.99 | 30.09 | 95.6 | 6.62 | 4.4 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR3(N) | 15:21 | 1.0 | Surface | 1 | 2 | 25.36 | 7.96 | 30.08 | 94.4 | 6.54 | 4.2 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR3(N) | 15:21 | 2.6 | Bottom | 3 | 1 | 25.43 | 8.07 | 30.32 | 97.7 | 6.74 | 4.2 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR3(N) | 15:21 | 2.6 | Bottom | 3 | 2 | 25.39 | 7.98 | 30.25 | 95.3 | 6.58 | 4.1 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR4(N) | 16:09 | 1.0 | Surface | 1 | 1 | 25.96 | 7.85 | 31.58 | 96.1 | 6.52 | 8.2 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR4(N) | 16:09 | 1.0 | Surface | 1 | 2 | 25.96 | 7.87 | 31.65 | 90.4 | 6.14 | 8.1 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR4(N) | 16:09 | 2.9 | Bottom | 3 | 1 | 25.98 | 7.85 | 31.73 | 84.5 | 5.74 | 8.4 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR4(N) | 16:09 | 2.9 | Bottom | 3 | 2 | 25.95 | 7.89 | 31.73 | 87.6 | 5.95 | 8.2 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR5(N) | 16:08 | 1.0 | Surface | 1 | 1 | 26.14 | 8.20 | 26.96 | 90.2 | 6.14 | 3.1 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR5(N) | 16:09 | 1.0 | Surface | 1 | 2 | 26.15 | 8.20 | 26.94 | 90.2 | 6.11 | 3.3 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR5(N) | 16:08 | 4.1 | Middle | 2 | 1 | 26.14 | 8.20 | 28.09 | 90.5 | 6.13 | 3.6 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR5(N) | 16:07 | 4.1 | Middle | 2 | 2 | 26.13 | 8.20 | 28.06 | 90.0 | 6.15 | 3.7 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR5(N) | 16:07 | 7.2 | Bottom | 3 | 1 | 26.14 | 8.21 | 28.29 | 90.1 | 6.19 | 4.1 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR5(N) | 16:08 | 7.2 | Bottom | 3 | 2 | 26.13 | 8.20 | 28.29 | 90.5 | 6.14 | 3.9 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10A(N) | 17:23 | 1.0 | Surface | 1 | 1 | 26.34 | 8.17 | 28.41 | 84.3 | 5.60 | 2.2 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10A(N) | 17:24 | 1.0 | Surface | 1 | 2 | 26.34 | 8.17 | 28.37 | 84.0 | 5.56 | 2.4 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10A(N) | 17:23 | 6.9 | Middle | 2 | 1 | 26.41 | 8.18 | 29.19 | 83.9 | 5.56 | 3.1 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10A(N) | 17:24 | 6.9 | Middle | 2 | 2 | 26.42 | 8.18 | 29.29 | 83.7 | 5.53 | 3.0 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10A(N) | 17:22 | 12.8 | Bottom | 3 | 1 | 26.43 | 8.18 | 29.49 | 84.3 | 5.62 | 3.4 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10A(N) | 17:23 | 12.8 | Bottom | 3 | 2 | 26.43 | 8.18 | 29.46 | 84.5 | 5.58 | 3.6 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10B(N2) | 17:33 | 1.0 | Surface | 1 | 1 | 26.38 | 8.17 | 29.65 | 83.6 | 5.52 | 2.1 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10B(N2) | 17:32 | 1.0 | Surface | 1 | 2 | 26.39 | 8.17 | 29.64 | 83.7 | 5.53 | 2.3 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10B(N2) | 17:32 | 3.6 | Middle | 2 | 1 | 26.40 | 8.17 | 29.78 | 83.6 | 5.52 | 2.5 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10B(N2) | 17:33 | 3.6 | Middle | 2 | 2 | 26.40 | 8.17 | 29.83 | 83.6 | 5.51 | 2.4 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10B(N2) | 17:32 | 6.2 | Bottom | 3 | 1 | 26.40 | 8.17 | 29.94 | 83.7 | 5.52 | 2.5 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | SR10B(N2) | 17:31 | 6.2 | Bottom | 3 | 2 | 26.41 | 8.17 | 29.95 | 83.6 | 5.52 | 2.7 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS2(A) | 15:14 | 1.0 | Surface | 1 | 1 | 26.16 | 8.24 | 31.00 | 96.3 | 6.50 | 1.9 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS2(A) | 15:13 | 1.0 | Surface | 1 | 2 | 26.16 | 8.24 | 31.01 | 95.9 | 6.51 | 2.0 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS2(A) | 15:13 | 3.9 | Middle | 2 | 1 | 26.17 | 8.24 | 31.43 | 96.3 | 6.55 | 3.1 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS2(A) | 15:14 | 3.9 | Middle | 2 | 2 | 26.16 | 8.24 | 31.45 | 96.5 | 6.52 | 2.8 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS2(A) | 15:12 | 6.8 | Bottom | 3 | 1 | 26.19 | 8.23 | 31.65 | 95.9 | 6.57 | 3.5 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS2(A) | 15:13 | 6.8 | Bottom | 3 | 2 | 26.17 | 8.22 | 31.64 | 96.6 | 6.53 | 3.4 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS(Mf)5 | 16:43 | 1.0 | Surface | 1 | 1 | 25.76 | 7.96 | 32.52 | 93.0 | 6.28 | 2.3 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS(Mf)5 | 16:44 | 1.0 | Surface | 1 | 2 | 25.71 | 7.96 | 32.45 | 83.1 | 5.64 | 2.4 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS(Mf)5 | 16:44 | 6.3 | Middle | 2 | 1 | 25.88 | 7.96 | 33.05 | 82.1 | 5.54 | 3.5 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS(Mf)5 | 16:43 | 6.3 | Middle | 2 | 2 | 25.83 | 7.96 | 32.85 | 87.3 | 5.90 | 3.6 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS(Mf)5 | 16:43 | 11.6 | Bottom | 3 | 1 | 25.87 | 7.97 | 33.11 | 85.8 | 5.82 | 4.6 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-19 | Mid-Flood | Cloudy | CS(Mf)5 | 16:44 | 11.6 | Bottom | 3 | 2 | 25.89 | 7.96 | 33.15 | 81.7 | 5.51 | 4.5 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS5 | 12:06 | 1.0 | Surface | 1 | 1 | 25.67 | 8.11 | 33.23 | 95.6 | 6.47 | 4.0 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS5 | 12:07 | 1.0 | Surface | 1 | 2 | 25.69 | 8.09 | 33.21 | 94.6 | 6.40 | 3.8 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS5 | 12:07 | 4.1 | Middle | 2 | 1 | 25.58 | 8.10 | 33.41 | 94.5 | 6.39 | 5.1 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS5 | 12:06 | 4.1 | Middle | 2 | 2 | 25.55 | 8.12 | 33.47 | 94.9 | 6.42 | 5.0 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS5 | 12:06 | 7.2 | Bottom | 3 | 1 | 25.53 | 8.13 | 33.55 | 94.9 | 6.42 | 5.3 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS5 | 12:07 | 7.2 | Bottom | 3 | 2 | 25.60 | 8.10 | 33.41 | 94.2 | 6.37 | 5.3 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS(Mf)6 | 11:59 | 1.0 | Surface | 1 | 1 | 25.76 | 8.14 | 32.71 | 95.8 | 6.49 | 5.4 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS(Mf)6 | 11:59 | 1.0 | Surface | 1 | 2 | 25.76 | 8.12 | 32.72 | 95.0 | 6.43 | 5.2 | 1.6 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS(Mf)6 | 11:59 | 2.0 | Bottom | 3 | 1 | 25.62 | 8.16 | 33.18 | 96.9 | 6.56 | 5.7 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS(Mf)6 | 11:59 | 2.0 | Bottom | 3 | 2 | 25.70 | 8.13 | 32.99 | 95.3 | 6.45 | 5.7 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS7 | 11:52 | 1.0 | Surface | 1 | 1 | 25.60 | 8.07 | 32.17 | 95.5 | 6.50 | 4.1 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS7 | 11:51 | 1.0 | Surface | 1 | 2 | 25.57 | 8.08 | 32.18 | 95.9 | 6.54 | 4.2 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS7 | 11:51 | 2.2 | Bottom | 3 | 1 | 25.53 | 8.07 | 32.29 | 95.7 | 6.52 | 4.4 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS7 | 11:51 | 2.2 | Bottom | 3 | 2 | 25.50 | 8.09 | 32.29 | 96.5 | 6.58 | 4.4 | 1.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS8 | 11:23 | 1.0 | Surface | 1 | 1 | 25.67 | 8.10 | 32.21 | 96.5 | 6.57 | 3.2 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS8 | 11:23 | 1.0 | Surface | 1 | 2 | 25.59 | 8.09 | 32.25 | 95.3 | 6.49 | 3.3 | 1.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS8 | 11:23 | 3.2 | Bottom | 3 | 1 | 25.43 | 8.13 | 32.35 | 97.9 | 6.68 | 3.5 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS8 | 11:23 | 3.2 | Bottom | 3 | 2 | 25.60 | 8.09 | 32.24 | 95.5 | 6.51 | 3.5 | 1.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS(Mf)9 | 11:42 | 1.0 | Surface | 1 | 1 | 25.70 | 8.16 | 32.08 | 96.8 | 6.58 | 2.4 | 0.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS(Mf)9 | 11:42 | 1.0 | Surface | 1 | 2 | 25.68 | 8.22 | 32.09 | 98.2 | 6.68 | 2.5 | 0.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS(Mf)9 | 11:42 | 2.7 | Bottom | 3 | 1 | 25.48 | 8.19 | 32.17 | 96.6 | 6.60 | 2.9 | 0.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS(Mf)9 | 11:42 | 2.7 | Bottom | 3 | 2 | 25.56 | 8.26 | 32.11 | 98.8 | 6.74 | 2.9 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS10(N) | 11:43 | 1.0 | Surface | 1 | 1 | 26.38 | 8.17 | 30.35 | 96.2 | 6.54 | 1.9 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS10(N) | 11:42 | 1.0 | Surface | 1 | 2 | 26.35 | 8.18 | 30.32 | 96.4 | 6.55 | 1.8 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS10(N) | 11:41 | 5.0 | Middle | 2 | 1 | 26.11 | 8.25 | 31.33 | 96.0 | 6.52 | 2.7 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS10(N) | 11:42 | 5.0 | Middle | 2 | 2 | 26.11 | 8.22 | 31.29 | 95.9 | 6.51 | 2.5 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS10(N) | 11:42 | 9.0 | Bottom | 3 | 1 | 26.11 | 8.23 | 31.43 | 96.1 | 6.52 | 3.5 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | IS10(N) | 11:41 | 9.0 | Bottom | 3 | 2 | 26.12 | 8.26 | 31.42 | 96.1 | 6.51 | 3.4 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR3(N) | 12:16 | 1.0 | Surface | 1 | 1 | 25.67 | 8.10 | 32.92 | 95.2 | 6.45 | 4.5 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR3(N) | 12:16 | 1.0 | Surface | 1 | 2 | 25.71 | 8.11 | 32.85 | 96.5 | 6.54 | 4.6 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR3(N) | 12:16 | 2.3 | Bottom | 3 | 1 | 25.63 | 8.11 | 33.14 | 95.6 | 6.47 | 4.5 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR3(N) | 12:16 | 2.3 | Bottom | 3 | 2 | 25.58 | 8.14 | 33.30 | 97.3 | 6.59 | 4.4 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR4(N) | 11:31 | 1.0 | Surface | 1 | 1 | 25.56 | 8.10 | 31.70 | 92.8 | 6.34 | 3.7 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR4(N) | 11:31 | 1.0 | Surface | 1 | 2 | 25.59 | 8.07 | 31.55 | 91.4 | 6.25 | 3.8 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR4(N) | 11:31 | 2.6 | Bottom | 3 | 1 | 25.57 | 8.08 | 31.65 | 91.6 | 6.26 | 4.5 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR4(N) | 11:31 | 2.6 | Bottom | 3 | 2 | 25.53 | 8.12 | 31.89 | 94.3 | 6.45 | 4.3 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR5(N) | 11:52 | 1.0 | Surface | 1 | 1 | 26.14 | 8.18 | 30.79 | 94.3 | 6.42 | 4.7 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR5(N) | 11:53 | 1.0 | Surface | 1 | 2 | 26.12 | 8.17 | 30.72 | 94.1 | 6.41 | 4.5 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR5(N) | 11:53 | 3.9 | Middle | 2 | 1 | 26.04 | 8.19 | 31.03 | 93.6 | 6.36 | 5.6 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR5(N) | 11:51 | 3.9 | Middle | 2 | 2 | 26.09 | 8.18 | 31.01 | 93.4 | 6.35 | 5.4 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR5(N) | 11:52 | 6.7 | Bottom | 3 | 1 | 26.00 | 8.20 | 31.82 | 93.7 | 6.36 | 6.4 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR5(N) | 11:51 | 6.7 | Bottom | 3 | 2 | 26.00 | 8.22 | 31.86 | 94.4 | 6.40 | 5.9 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10A(N) | 10:40 | 1.0 | Surface | 1 | 1 | 26.09 | 8.14 | 32.30 | 86.0 | 5.81 | 2.1 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10A(N) | 10:39 | 1.0 | Surface | 1 | 2 | 26.11 | 8.14 | 32.27 | 85.9 | 5.80 | 2.0 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10A(N) | 10:40 | 6.8 | Middle | 2 | 1 | 26.09 | 8.14 | 32.30 | 86.1 | 5.81 | 2.6 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10A(N) | 10:38 | 6.8 | Middle | 2 | 2 | 26.11 | 8.15 | 32.25 | 86.5 | 5.84 | 2.8 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10A(N) | 10:39 | 12.6 | Bottom | 3 | 1 | 26.09 | 8.14 | 32.29 | 86.3 | 5.82 | 3.0 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10A(N) | 10:38 | 12.6 | Bottom | 3 | 2 | 26.10 | 8.15 | 32.27 | 86.5 | 5.84 | 2.9 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10B(N2) | 10:27 | 1.0 | Surface | 1 | 1 | 26.14 | 8.16 | 32.22 | 87.7 | 5.92 | 2.0 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10B(N2) | 10:28 | 1.0 | Surface | 1 | 2 | 26.13 | 8.15 | 32.22 | 87.6 | 5.92 | 2.1 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10B(N2) | 10:27 | 3.6 | Middle | 2 | 1 | 26.12 | 8.16 | 32.22 | 87.8 | 5.93 | 2.3 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10B(N2) | 10:26 | 3.6 | Middle | 2 | 2 | 26.10 | 8.17 | 32.24 | 88.1 | 5.95 | 2.2 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10B(N2) | 10:26 | 6.2 | Bottom | 3 | 1 | 26.09 | 8.18 | 32.24 | 88.6 | 5.98 | 2.7 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | SR10B(N2) | 10:27 | 6.2 | Bottom | 3 | 2 | 26.11 | 8.16 | 32.22 | 87.8 | 5.93 | 2.5 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS2(A) | 12:46 | 1.0 | Surface | 1 | 1 | 26.22 | 8.29 | 32.39 | 98.9 | 6.66 | 6.8 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS2(A) | 12:47 | 1.0 | Surface | 1 | 2 | 26.24 | 8.27 | 32.39 | 98.9 | 6.66 | 7.0 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS2(A) | 12:46 | 3.7 | Middle | 2 | 1 | 26.17 | 8.30 | 32.42 | 98.5 | 6.63 | 8.8 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS2(A) | 12:47 | 3.7 | Middle | 2 | 2 | 26.15 | 8.28 | 32.41 | 98.1 | 6.61 | 8.5 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS2(A) | 12:45 | 6.4 | Bottom | 3 | 1 | 26.14 | 8.30 | 32.47 | 98.0 | 6.60 | 9.8 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS2(A) | 12:47 | 6.4 | Bottom | 3 | 2 | 26.11 | 8.28 | 32.49 | 97.5 | 6.57 | 10.1 | 5.3 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS(Mf)5 | 10:53 | 1.0 | Surface | 1 | 1 | 25.68 | 8.11 | 32.45 | 88.0 | 5.98 | 2.2 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS(Mf)5 | 10:54 | 1.0 | Surface | 1 | 2 | 25.67 | 8.10 | 32.45 | 89.4 | 6.07 | 2.2 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS(Mf)5 | 10:53 | 6.1 | Middle | 2 | 1 | 25.50 | 8.07 | 32.80 | 86.4 | 5.86 | 3.4 | 1.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS(Mf)5 | 10:53 | 6.1 | Middle | 2 | 2 | 25.50 | 8.06 | 32.79 | 89.1 | 6.05 | 3.7 | 1.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS(Mf)5 | 10:53 | 11.2 | Bottom | 3 | 1 | 25.54 | 8.07 | 32.93 | 87.8 | 5.97 | 3.7 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Ebb | Sunny | CS(Mf)5 | 10:53 | 11.2 | Bottom | 3 | 2 | 25.55 | 8.07 | 33.11 | 86.0 | 5.84 | 3.4 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS5 | 16:42 | 1.0 | Surface | 1 | 1 | 25.75 | 8.07 | 32.56 | 95.7 | 6.49 | 6.5 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS5 | 16:41 | 1.0 | Surface | 1 | 2 | 25.76 | 8.06 | 32.43 | 98.0 | 6.64 | 6.9 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS5 | 16:42 | 4.3 | Middle | 2 | 1 | 25.75 | 8.07 | 32.61 | 95.3 | 6.46 | 7.2 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS5 | 16:41 | 4.3 | Middle | 2 | 2 | 25.75 | 8.07 | 32.64 | 97.2 | 6.59 | 7.1 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS5 | 16:41 | 7.5 | Bottom | 3 | 1 | 25.74 | 8.07 | 32.67 | 96.8 | 6.57 | 7.1 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS5 | 16:41 | 7.5 | Bottom | 3 | 2 | 25.75 | 8.06 | 32.68 | 95.2 | 6.46 | 7.2 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS(Mf)6 | 16:51 | 1.0 | Surface | 1 | 1 | 25.73 | 8.08 | 32.31 | 97.7 | 6.64 | 6.7 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS(Mf)6 | 16:51 | 1.0 | Surface | 1 | 2 | 25.73 | 8.08 | 32.28 | 98.6 | 6.70 | 6.8 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS(Mf)6 | 16:50 | 2.1 | Bottom | 3 | 1 | 25.72 | 8.10 | 32.25 | 99.3 | 6.75 | 6.8 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS(Mf)6 | 16:51 | 2.1 | Bottom | 3 | 2 | 25.73 | 8.08 | 32.30 | 98.2 | 6.67 | 6.5 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS7 | 16:59 | 1.0 | Surface | 1 | 1 | 25.72 | 8.07 | 32.32 | 97.5 | 6.62 | 4.4 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS7 | 16:59 | 1.0 | Surface | 1 | 2 | 25.72 | 8.08 | 32.33 | 98.6 | 6.70 | 4.3 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS7 | 16:59 | 2.1 | Bottom | 3 | 1 | 25.72 | 8.11 | 32.43 | 99.8 | 6.78 | 4.6 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS7 | 16:59 | 2.1 | Bottom | 3 | 2 | 25.74 | 8.08 | 32.43 | 98.1 | 6.66 | 4.6 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS8 | 17:24 | 1.0 | Surface | 1 | 1 | 25.54 | 8.09 | 32.35 | 96.2 | 6.55 | 4.9 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS8 | 17:24 | 1.0 | Surface | 1 | 2 | 25.53 | 8.09 | 32.35 | 97.4 | 6.64 | 4.8 | 9.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS8 | 17:24 | 3.3 | Bottom | 3 | 1 | 25.54 | 8.09 | 32.35 | 96.5 | 6.57 | 5.2 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS8 | 17:24 | 3.3 | Bottom | 3 | 2 | 25.53 | 8.11 | 32.35 | 98.3 | 6.70 | 5.4 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS(Mf)9 | 17:08 | 1.0 | Surface | 1 | 1 | 25.74 | 8.08 | 32.32 | 98.3 | 6.67 | 5.6 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS(Mf)9 | 17:08 | 1.0 | Surface | 1 | 2 | 25.73 | 8.08 | 32.33 | 98.2 | 6.67 | 5.5 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS(Mf)9 | 17:08 | 2.6 | Bottom | 3 | 1 | 25.73 | 8.08 | 32.33 | 98.2 | 6.67 | 5.5 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS(Mf)9 | 17:07 | 2.6 | Bottom | 3 | 2 | 25.74 | 8.08 | 32.33 | 98.9 | 6.71 | 5.6 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS10(N) | 17:22 | 1.0 | Surface | 1 | 1 | 26.29 | 8.20 | 30.69 | 95.9 | 6.51 | 2.6 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS10(N) | 17:20 | 1.0 | Surface | 1 | 2 | 26.27 | 8.20 | 30.64 | 95.8 | 6.51 | 2.5 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS10(N) | 17:20 | 5.1 | Middle | 2 | 1 | 26.22 | 8.21 | 31.16 | 95.7 | 6.48 | 3.4 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS10(N) | 17:21 | 5.1 | Middle | 2 | 2 | 26.22 | 8.20 | 31.15 | 95.7 | 6.49 | 3.5 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS10(N) | 17:21 | 9.2 | Bottom | 3 | 1 | 26.21 | 8.20 | 31.19 | 95.8 | 6.50 | 4.0 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | IS10(N) | 17:20 | 9.2 | Bottom | 3 | 2 | 26.20 | 8.21 | 31.21 | 95.6 | 6.48 | 3.8 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR3(N) | 16:32 | 1.0 | Surface | 1 | 1 | 25.75 | 8.12 | 32.61 | 96.1 | 6.51 | 6.1 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR3(N) | 16:32 | 1.0 | Surface | 1 | 2 | 25.75 | 8.12 | 32.62 | 96.6 | 6.55 | 6.4 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR3(N) | 16:32 | 2.5 | Bottom | 3 | 1 | 25.75 | 8.12 | 32.63 | 96.3 | 6.53 | 6.3 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR3(N) | 16:31 | 2.5 | Bottom | 3 | 2 | 25.64 | 8.14 | 32.69 | 97.7 | 6.63 | 6.5 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR4(N) | 17:19 | 1.0 | Surface | 1 | 1 | 25.55 | 8.11 | 32.32 | 97.4 | 6.64 | 4.2 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR4(N) | 17:19 | 1.0 | Surface | 1 | 2 | 25.56 | 8.10 | 32.31 | 98.1 | 6.68 | 4.0 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR4(N) | 17:19 | 2.8 | Bottom | 3 | 1 | 25.55 | 8.10 | 32.31 | 97.5 | 6.64 | 4.1 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR4(N) | 17:18 | 2.8 | Bottom | 3 | 2 | 25.55 | 8.11 | 32.31 | 98.9 | 6.74 | 4.3 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR5(N) | 17:13 | 1.0 | Surface | 1 | 1 | 26.54 | 8.17 | 29.38 | 94.4 | 6.43 | 1.2 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR5(N) | 17:14 | 1.0 | Surface | 1 | 2 | 26.54 | 8.15 | 29.26 | 94.3 | 6.43 | 1.2 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR5(N) | 17:12 | 3.7 | Middle | 2 | 1 | 26.49 | 8.19 | 29.98 | 94.2 | 6.39 | 1.5 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR5(N) | 17:13 | 3.7 | Middle | 2 | 2 | 26.49 | 8.19 | 29.99 | 94.0 | 6.38 | 1.6 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR5(N) | 17:13 | 6.4 | Bottom | 3 | 1 | 26.27 | 8.20 | 30.54 | 93.7 | 6.37 | 1.9 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR5(N) | 17:12 | 6.4 | Bottom | 3 | 2 | 26.28 | 8.22 | 30.47 | 93.6 | 6.35 | 1.8 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10A(N) | 18:25 | 1.0 | Surface | 1 | 1 | 26.14 | 8.17 | 32.05 | 87.3 | 5.90 | 2.9 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10A(N) | 18:23 | 1.0 | Surface | 1 | 2 | 26.14 | 8.17 | 32.07 | 87.8 | 5.93 | 3.2 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10A(N) | 18:24 | 6.9 | Middle | 2 | 1 | 26.14 | 8.17 | 32.10 | 87.3 | 5.89 | 3.1 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10A(N) | 18:23 | 6.9 | Middle | 2 | 2 | 26.14 | 8.17 | 32.12 | 87.3 | 5.89 | 3.3 | 1.8 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10A(N) | 18:24 | 12.8 | Bottom | 3 | 1 | 26.14 | 8.17 | 32.16 | 87.5 | 5.91 | 3.5 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10A(N) | 18:23 | 12.8 | Bottom | 3 | 2 | 26.13 | 8.18 | 32.16 | 87.7 | 5.91 | 3.7 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10B(N2) | 18:33 | 1.0 | Surface | 1 | 1 | 26.12 | 8.17 | 31.93 | 87.2 | 5.90 | 2.2 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10B(N2) | 18:32 | 1.0 | Surface | 1 | 2 | 26.11 | 8.17 | 31.98 | 88.0 | 5.95 | 2.3 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10B(N2) | 18:32 | 3.7 | Middle | 2 | 1 | 26.10 | 8.16 | 32.08 | 88.1 | 5.95 | 2.6 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10B(N2) | 18:33 | 3.7 | Middle | 2 | 2 | 26.10 | 8.16 | 32.08 | 87.4 | 5.90 | 2.8 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10B(N2) | 18:33 | 6.4 | Bottom | 3 | 1 | 26.10 | 8.16 | 32.09 | 87.8 | 5.93 | 2.7 | 1.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | SR10B(N2) | 18:32 | 6.4 | Bottom | 3 | 2 | 26.09 | 8.16 | 32.09 | 88.6 | 5.97 | 2.9 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS2(A) | 16:20 | 1.0 | Surface | 1 | 1 | 26.64 | 8.16 | 29.73 | 96.3 | 6.54 | 4.5 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS2(A) | 16:19 | 1.0 | Surface | 1 | 2 | 26.63 | 8.17 | 29.77 | 96.4 | 6.54 | 4.4 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS2(A) | 16:19 | 3.8 | Middle | 2 | 1 | 26.51 | 8.19 | 30.74 | 96.5 | 6.53 | 5.4 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS2(A) | 16:20 | 3.8 | Middle | 2 | 2 | 26.50 | 8.18 | 30.80 | 96.4 | 6.52 | 5.4 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS2(A) | 16:19 | 6.6 | Bottom | 3 | 1 | 26.48 | 8.19 | 30.92 | 96.3 | 6.51 | 6.1 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS2(A) | 16:18 | 6.6 | Bottom | 3 | 2 | 26.47 | 8.21 | 30.99 | 96.1 | 6.50 | 6.2 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS(Mf)5 | 17:51 | 1.0 | Surface | 1 | 1 | 25.63 | 8.09 | 32.44 | 92.1 | 6.25 | 4.2 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS(Mf)5 | 17:52 | 1.0 | Surface | 1 | 2 | 25.62 | 8.09 | 32.31 | 90.8 | 6.18 | 4.4 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS(Mf)5 | 17:51 | 6.2 | Middle | 2 | 1 | 25.62 | 8.08 | 32.62 | 90.6 | 6.15 | 4.5 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS(Mf)5 | 17:51 | 6.2 | Middle | 2 | 2 | 25.63 | 8.09 | 32.60 | 91.5 | 6.22 | 4.5 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS(Mf)5 | 17:51 | 11.4 | Bottom | 3 | 1 | 25.62 | 8.09 | 32.66 | 91.4 | 6.21 | 4.5 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-22 | Mid-Flood | Fine | CS(Mf)5 | 17:51 | 11.4 | Bottom | 3 | 2 | 25.62 | 8.08 | 32.60 | 89.9 | 6.11 | 4.6 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS5 | 11:08 | 1.0 | Surface | 1 | 1 | 25.60 | 8.05 | 31.36 | 91.0 | 6.23 | 8.4 | 17.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS5 | 11:08 | 1.0 | Surface | 1 | 2 | 25.60 | 8.04 | 31.35 | 94.1 | 6.44 | 8.5 | 17.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS5 | 11:07 | 4.3 | Middle | 2 | 1 | 25.60 | 8.04 | 31.37 | 93.3 | 6.38 | 9.0 | 16.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS5 | 11:08 | 4.3 | Middle | 2 | 2 | 25.60 | 8.04 | 31.36 | 91.0 | 6.22 | 9.0 | 17.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS5 | 11:07 | 7.5 | Bottom | 3 | 1 | 25.60 | 8.05 | 31.37 | 91.5 | 6.26 | 8.6 | 17.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS5 | 11:08 | 7.5 | Bottom | 3 | 2 | 25.60 | 8.04 | 31.38 | 90.9 | 6.22 | 8.8 | 16.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS(Mf)6 | 11:22 | 1.0 | Surface | 1 | 1 | 25.61 | 8.07 | 31.29 | 98.0 | 6.71 | 5.4 | 10.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS(Mf)6 | 11:22 | 1.0 | Surface | 1 | 2 | 25.62 | 8.08 | 31.28 | 95.3 | 6.52 | 5.3 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS(Mf)6 | 11:22 | 2.2 | Bottom | 3 | 1 | 25.61 | 8.10 | 31.29 | 94.1 | 6.44 | 5.5 | 11.1 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS(Mf)6 | 11:22 | 2.2 | Bottom | 3 | 2 | 25.62 | 8.07 | 31.28 | 93.2 | 6.38 | 5.4 | 12.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS7 | 11:29 | 1.0 | Surface | 1 | 1 | 25.59 | 8.06 | 31.14 | 95.0 | 6.51 | 1.8 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS7 | 11:29 | 1.0 | Surface | 1 | 2 | 25.58 | 8.07 | 31.14 | 96.7 | 6.63 | 1.6 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS7 | 11:29 | 2.1 | Bottom | 3 | 1 | 25.57 | 8.09 | 31.13 | 99.1 | 6.79 | 1.8 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS7 | 11:29 | 2.1 | Bottom | 3 | 2 | 25.58 | 8.06 | 31.14 | 95.9 | 6.57 | 1.7 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS8 | 11:54 | 1.0 | Surface | 1 | 1 | 25.65 | 8.08 | 30.92 | 94.3 | 6.46 | 3.8 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS8 | 11:53 | 1.0 | Surface | 1 | 2 | 25.65 | 8.09 | 30.92 | 96.0 | 6.58 | 3.9 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS8 | 11:53 | 3.1 | Bottom | 3 | 1 | 25.64 | 8.08 | 31.17 | 95.1 | 6.51 | 4.2 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS8 | 11:53 | 3.1 | Bottom | 3 | 2 | 25.60 | 8.10 | 31.30 | 98.2 | 6.72 | 4.1 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:37 | 1.0 | Surface | 1 | 1 | 25.70 | 8.07 | 31.10 | 95.7 | 6.55 | 6.2 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:37 | 1.0 | Surface | 1 | 2 | 25.72 | 8.06 | 31.07 | 93.6 | 6.41 | 6.3 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:37 | 2.7 | Bottom | 3 | 1 | 25.70 | 8.06 | 31.12 | 94.2 | 6.44 | 6.4 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:36 | 2.7 | Bottom | 3 | 2 | 25.70 | 8.08 | 31.13 | 97.0 | 6.64 | 6.5 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS10(N) | 12:24 | 1.0 | Surface | 1 | 1 | 26.19 | 8.23 | 29.29 | 93.3 | 6.39 | 2.8 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS10(N) | 12:23 | 1.0 | Surface | 1 | 2 | 26.17 | 8.24 | 29.37 | 93.3 | 6.40 | 2.7 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS10(N) | 12:22 | 5.2 | Middle | 2 | 1 | 26.11 | 8.26 | 29.93 | 93.2 | 6.38 | 3.6 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS10(N) | 12:24 | 5.2 | Middle | 2 | 2 | 26.11 | 8.26 | 29.95 | 93.1 | 6.37 | 3.8 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS10(N) | 12:22 | 9.4 | Bottom | 3 | 1 | 26.08 | 8.25 | 30.38 | 92.6 | 6.32 | 4.5 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | IS10(N) | 12:23 | 9.4 | Bottom | 3 | 2 | 26.09 | 8.26 | 30.30 | 92.8 | 6.34 | 4.7 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR3(N) | 11:00 | 1.0 | Surface | 1 | 1 | 25.61 | 8.16 | 31.27 | 93.4 | 6.40 | 2.6 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR3(N) | 11:00 | 1.0 | Surface | 1 | 2 | 25.60 | 8.14 | 31.27 | 92.3 | 6.32 | 2.6 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR3(N) | 11:00 | 2.5 | Bottom | 3 | 1 | 25.61 | 8.15 | 31.27 | 92.9 | 6.36 | 2.6 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR3(N) | 11:00 | 2.5 | Bottom | 3 | 2 | 25.61 | 8.20 | 31.27 | 95.2 | 6.51 | 2.7 | 7.7 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR4(N) | 11:48 | 1.0 | Surface | 1 | 1 | 25.63 | 8.04 | 30.62 | 91.7 | 6.30 | 2.8 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR4(N) | 11:47 | 1.0 | Surface | 1 | 2 | 25.64 | 8.05 | 30.67 | 94.8 | 6.51 | 2.8 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR4(N) | 11:47 | 2.8 | Bottom | 3 | 1 | 25.65 | 8.04 | 30.73 | 92.9 | 6.37 | 2.8 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR4(N) | 11:47 | 2.8 | Bottom | 3 | 2 | 25.65 | 8.07 | 30.73 | 97.6 | 6.70 | 2.8 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR5(N) | 11:55 | 1.0 | Surface | 1 | 1 | 26.17 | 8.25 | 29.32 | 94.1 | 6.45 | 3.4 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR5(N) | 11:57 | 1.0 | Surface | 1 | 2 | 26.15 | 8.24 | 29.44 | 93.9 | 6.43 | 3.3 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR5(N) | 11:56 | 4.0 | Middle | 2 | 1 | 26.11 | 8.25 | 29.79 | 93.4 | 6.40 | 4.4 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR5(N) | 11:55 | 4.0 | Middle | 2 | 2 | 26.11 | 8.27 | 29.78 | 93.9 | 6.43 | 4.5 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR5(N) | 11:56 | 7.0 | Bottom | 3 | 1 | 26.08 | 8.27 | 30.28 | 92.8 | 6.34 | 5.2 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR5(N) | 11:55 | 7.0 | Bottom | 3 | 2 | 26.07 | 8.29 | 30.31 | 93.4 | 6.38 | 5.1 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10A(N) | 13:07 | 1.0 | Surface | 1 | 1 | 26.17 | 8.17 | 30.98 | 89.0 | 6.04 | 2.5 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10A(N) | 13:05 | 1.0 | Surface | 1 | 2 | 26.19 | 8.18 | 30.97 | 88.9 | 6.04 | 2.3 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10A(N) | 13:05 | 6.8 | Middle | 2 | 1 | 26.12 | 8.17 | 31.55 | 86.8 | 5.89 | 3.0 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10A(N) | 13:06 | 6.8 | Middle | 2 | 2 | 26.12 | 8.16 | 31.61 | 86.7 | 5.87 | 2.9 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10A(N) | 13:06 | 12.6 | Bottom | 3 | 1 | 26.11 | 8.16 | 31.68 | 87.6 | 5.93 | 3.1 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10A(N) | 13:05 | 12.6 | Bottom | 3 | 2 | 26.12 | 8.18 | 31.62 | 87.7 | 5.95 | 3.2 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10B(N2) | 13:15 | 1.0 | Surface | 1 | 1 | 26.15 | 8.16 | 31.38 | 87.5 | 5.93 | 2.8 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10B(N2) | 13:16 | 1.0 | Surface | 1 | 2 | 26.14 | 8.16 | 31.37 | 87.0 | 5.90 | 2.8 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10B(N2) | 13:16 | 3.6 | Middle | 2 | 1 | 26.13 | 8.16 | 31.45 | 86.7 | 5.88 | 2.9 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10B(N2) | 13:14 | 3.6 | Middle | 2 | 2 | 26.14 | 8.16 | 31.45 | 87.4 | 5.92 | 3.0 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10B(N2) | 13:15 | 6.2 | Bottom | 3 | 1 | 26.13 | 8.15 | 31.55 | 86.2 | 5.85 | 3.2 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | SR10B(N2) | 13:14 | 6.2 | Bottom | 3 | 2 | 26.13 | 8.16 | 31.53 | 86.7 | 5.88 | 3.1 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS2(A) | 11:00 | 1.0 | Surface | 1 | 1 | 25.89 | 8.22 | 31.90 | 96.7 | 6.56 | 4.7 | 11.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS2(A) | 11:01 | 1.0 | Surface | 1 | 2 | 25.89 | 8.22 | 31.90 | 96.5 | 6.55 | 5.0 | 10.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS2(A) | 11:00 | 3.8 | Middle | 2 | 1 | 25.90 | 8.22 | 32.46 | 95.3 | 6.45 | 6.9 | 10.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS2(A) | 11:01 | 3.8 | Middle | 2 | 2 | 25.90 | 8.22 | 32.50 | 95.3 | 6.45 | 7.3 | 9.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS2(A) | 11:01 | 6.6 | Bottom | 3 | 1 | 25.90 | 8.21 | 32.62 | 95.9 | 6.48 | 8.4 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS2(A) | 10:59 | 6.6 | Bottom | 3 | 2 | 25.89 | 8.22 | 32.68 | 95.6 | 6.46 | 8.5 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:17 | 1.0 | Surface | 1 | 1 | 25.69 | 8.10 | 31.58 | 89.7 | 6.10 | 4.0 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:18 | 1.0 | Surface | 1 | 2 | 25.70 | 8.11 | 31.35 | 88.3 | 6.04 | 4.1 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:18 | 5.9 | Middle | 2 | 1 | 25.67 | 8.09 | 32.01 | 88.3 | 6.01 | 5.2 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:17 | 5.9 | Middle | 2 | 2 | 25.65 | 8.09 | 32.14 | 88.3 | 6.02 | 5.4 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:18 | 10.8 | Bottom | 3 | 1 | 25.66 | 8.09 | 32.22 | 87.1 | 5.93 | 5.3 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:17 | 10.8 | Bottom | 3 | 2 | 25.64 | 8.09 | 32.38 | 88.2 | 6.01 | 5.5 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS5 | 6:13 | 1.0 | Surface | 1 | 1 | 25.66 | 8.07 | 31.59 | 87.9 | 5.98 | 3.2 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS5 | 6:13 | 1.0 | Surface | 1 | 2 | 25.65 | 8.07 | 31.69 | 87.3 | 5.94 | 3.2 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS5 | 6:13 | 4.3 | Middle | 2 | 1 | 25.64 | 8.06 | 32.14 | 87.0 | 5.94 | 3.7 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS5 | 6:13 | 4.3 | Middle | 2 | 2 | 25.64 | 8.06 | 32.13 | 87.4 | 5.97 | 3.5 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS5 | 6:12 | 7.6 | Bottom | 3 | 1 | 25.64 | 8.05 | 32.40 | 87.0 | 5.92 | 4.1 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS5 | 6:13 | 7.6 | Bottom | 3 | 2 | 25.64 | 8.06 | 32.28 | 86.9 | 5.92 | 4.0 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS(Mf)6 | 6:06 | 1.0 | Surface | 1 | 1 | 25.67 | 8.07 | 31.49 | 90.6 | 6.19 | 3.5 | 15.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS(Mf)6 | 6:06 | 1.0 | Surface | 1 | 2 | 25.67 | 8.07 | 31.53 | 89.6 | 6.12 | 3.5 | 14.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS(Mf)6 | 6:06 | 2.4 | Bottom | 3 | 1 | 25.67 | 8.07 | 31.52 | 90.1 | 6.15 | 3.3 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS(Mf)6 | 6:05 | 2.4 | Bottom | 3 | 2 | 25.67 | 8.07 | 31.57 | 91.8 | 6.27 | 3.5 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS7 | 5:58 | 1.0 | Surface | 1 | 1 | 25.65 | 8.06 | 31.89 | 90.2 | 6.15 | 1.8 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS7 | 5:58 | 1.0 | Surface | 1 | 2 | 25.65 | 8.06 | 31.81 | 89.0 | 6.07 | 1.9 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS7 | 5:58 | 2.3 | Bottom | 3 | 1 | 25.65 | 8.06 | 31.88 | 89.4 | 6.09 | 1.7 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS7 | 5:58 | 2.3 | Bottom | 3 | 2 | 25.65 | 8.06 | 31.91 | 91.6 | 6.24 | 1.8 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS8 | 5:33 | 1.0 | Surface | 1 | 1 | 25.65 | 8.04 | 31.91 | 87.6 | 5.97 | 2.2 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS8 | 5:32 | 1.0 | Surface | 1 | 2 | 25.65 | 8.04 | 31.90 | 87.5 | 5.96 | 2.1 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS8 | 5:32 | 3.2 | Bottom | 3 | 1 | 25.64 | 8.04 | 32.10 | 87.4 | 5.95 | 2.5 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS8 | 5:32 | 3.2 | Bottom | 3 | 2 | 25.64 | 8.04 | 32.06 | 87.7 | 5.97 | 2.4 | 7.5 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS(Mf)9 | 5:51 | 1.0 | Surface | 1 | 1 | 25.65 | 8.05 | 31.90 | 87.9 | 5.99 | 2.5 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS(Mf)9 | 5:51 | 1.0 | Surface | 1 | 2 | 25.65 | 8.05 | 31.95 | 88.1 | 6.00 | 2.5 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS(Mf)9 | 5:51 | 2.8 | Bottom | 3 | 1 | 25.64 | 8.05 | 32.04 | 88.0 | 5.99 | 2.4 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS(Mf)9 | 5:51 | 2.8 | Bottom | 3 | 2 | 25.64 | 8.05 | 32.09 | 88.2 | 6.01 | 2.6 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS10(N) | 5:42 | 1.0 | Surface | 1 | 1 | 25.91 | 8.20 | 30.23 | 89.8 | 6.12 | 3.4 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS10(N) | 5:43 | 1.0 | Surface | 1 | 2 | 25.91 | 8.19 | 30.24 | 89.6 | 6.11 | 3.2 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS10(N) | 5:43 | 5.3 | Middle | 2 | 1 | 25.91 | 8.18 | 30.51 | 88.4 | 6.02 | 3.9 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS10(N) | 5:42 | 5.3 | Middle | 2 | 2 | 25.91 | 8.19 | 30.53 | 88.9 | 6.06 | 3.8 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS10(N) | 5:41 | 9.6 | Bottom | 3 | 1 | 25.87 | 8.17 | 31.56 | 88.3 | 5.98 | 4.6 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | IS10(N) | 5:43 | 9.6 | Bottom | 3 | 2 | 25.87 | 8.16 | 31.54 | 87.8 | 5.95 | 4.8 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR3(N) | 6:26 | 1.0 | Surface | 1 | 1 | 25.67 | 8.07 | 31.55 | 88.6 | 6.05 | 3.2 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR3(N) | 6:26 | 1.0 | Surface | 1 | 2 | 25.67 | 8.08 | 31.52 | 88.5 | 6.04 | 3.2 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR3(N) | 6:26 | 2.4 | Bottom | 3 | 1 | 25.67 | 8.07 | 31.59 | 88.5 | 6.04 | 3.0 | 10.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR3(N) | 6:26 | 2.4 | Bottom | 3 | 2 | 25.66 | 8.07 | 31.61 | 88.2 | 6.02 | 3.2 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR4(N) | 5:38 | 1.0 | Surface | 1 | 1 | 25.65 | 8.05 | 31.89 | 89.0 | 6.07 | 2.2 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR4(N) | 5:40 | 1.0 | Surface | 1 | 2 | 25.66 | 8.08 | 31.75 | 88.4 | 6.03 | 2.2 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR4(N) | 5:38 | 2.7 | Bottom | 3 | 1 | 25.64 | 8.05 | 32.06 | 90.1 | 6.14 | 2.1 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR4(N) | 5:40 | 2.7 | Bottom | 3 | 2 | 25.66 | 8.09 | 31.75 | 88.5 | 6.04 | 2.2 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR5(N) | 5:54 | 1.0 | Surface | 1 | 1 | 25.91 | 8.19 | 30.24 | 89.7 | 6.12 | 3.4 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR5(N) | 5:53 | 1.0 | Surface | 1 | 2 | 25.91 | 8.19 | 30.23 | 90.0 | 6.14 | 3.6 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR5(N) | 5:54 | 4.1 | Middle | 2 | 1 | 25.91 | 8.18 | 30.33 | 89.2 | 6.08 | 3.5 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR5(N) | 5:52 | 4.1 | Middle | 2 | 2 | 25.91 | 8.18 | 30.33 | 89.3 | 6.08 | 3.4 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR5(N) | 5:52 | 7.2 | Bottom | 3 | 1 | 25.91 | 8.17 | 30.76 | 89.2 | 6.06 | 3.3 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR5(N) | 5:53 | 7.2 | Bottom | 3 | 2 | 25.91 | 8.17 | 30.73 | 89.1 | 6.06 | 3.0 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10A(N) | 4:59 | 1.0 | Surface | 1 | 1 | 25.79 | 8.16 | 32.07 | 84.6 | 5.72 | 5.3 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10A(N) | 5:00 | 1.0 | Surface | 1 | 2 | 25.79 | 8.16 | 32.08 | 84.5 | 5.71 | 5.6 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10A(N) | 4:59 | 6.9 | Middle | 2 | 1 | 25.78 | 8.16 | 32.12 | 84.3 | 5.70 | 6.5 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10A(N) | 5:00 | 6.9 | Middle | 2 | 2 | 25.78 | 8.16 | 32.14 | 84.2 | 5.70 | 6.4 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10A(N) | 4:58 | 12.8 | Bottom | 3 | 1 | 25.78 | 8.17 | 32.16 | 83.4 | 5.63 | 6.9 | 8.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10A(N) | 4:59 | 12.8 | Bottom | 3 | 2 | 25.78 | 8.16 | 32.18 | 83.6 | 5.65 | 7.1 | 9.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10B(N2) | 4:48 | 1.0 | Surface | 1 | 1 | 25.79 | 8.16 | 32.13 | 86.7 | 5.86 | 5.1 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10B(N2) | 4:47 | 1.0 | Surface | 1 | 2 | 25.79 | 8.16 | 32.12 | 86.8 | 5.87 | 5.2 | 9.4 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10B(N2) | 4:47 | 3.7 | Middle | 2 | 1 | 25.79 | 8.16 | 32.12 | 86.8 | 5.86 | 5.4 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10B(N2) | 4:48 | 3.7 | Middle | 2 | 2 | 25.79 | 8.16 | 32.13 | 86.8 | 5.87 | 5.5 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10B(N2) | 4:46 | 6.4 | Bottom | 3 | 1 | 25.77 | 8.16 | 32.14 | 86.1 | 5.82 | 5.8 | 9.1 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | SR10B(N2) | 4:48 | 6.4 | Bottom | 3 | 2 | 25.78 | 8.16 | 32.15 | 86.1 | 5.82 | 5.7 | 9.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS2(A) | 6:39 | 1.0 | Surface | 1 | 1 | 25.63 | 8.21 | 32.20 | 94.4 | 6.41 | 4.4 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS2(A) | 6:38 | 1.0 | Surface | 1 | 2 | 25.61 | 8.21 | 32.20 | 94.7 | 6.43 | 4.1 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS2(A) | 6:37 | 3.9 | Middle | 2 | 1 | 25.62 | 8.21 | 32.75 | 91.8 | 6.21 | 4.8 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS2(A) | 6:39 | 3.9 | Middle | 2 | 2 | 25.63 | 8.20 | 32.70 | 92.3 | 6.24 | 5.0 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS2(A) | 6:38 | 6.8 | Bottom | 3 | 1 | 25.61 | 8.20 | 33.05 | 92.9 | 6.28 | 5.3 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS2(A) | 6:37 | 6.8 | Bottom | 3 | 2 | 25.61 | 8.21 | 33.08 | 93.0 | 6.29 | 5.5 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS(Mf)5 | 5:07 | 1.0 | Surface | 1 | 1 | 25.65 | 8.02 | 31.92 | 88.9 | 6.04 | 5.7 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS(Mf)5 | 5:08 | 1.0 | Surface | 1 | 2 | 25.65 | 8.03 | 31.98 | 86.3 | 5.87 | 5.5 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS(Mf)5 | 5:08 | 6.1 | Middle | 2 | 1 | 25.64 | 8.02 | 32.41 | 86.1 | 5.87 | 5.5 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS(Mf)5 | 5:07 | 6.1 | Middle | 2 | 2 | 25.64 | 8.00 | 32.42 | 86.9 | 5.93 | 5.8 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS(Mf)5 | 5:06 | 11.2 | Bottom | 3 | 1 | 25.63 | 8.00 | 32.60 | 86.7 | 5.89 | 5.8 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-24 | Mid-Flood | Cloudy | CS(Mf)5 | 5:07 | 11.2 | Bottom | 3 | 2 | 25.63 | 8.01 | 32.54 | 85.9 | 5.84 | 5.6 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS5 | 12:32 | 1.0 | Surface | 1 | 1 | 25.70 | 8.14 | 31.33 | 93.00 | 6.4 | 4.4 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS5 | 12:32 | 1.0 | Surface | 1 | 2 | 25.71 | 8.16 | 31.33 | 94.60 | 6.5 | 4.5 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS5 | 12:32 | 4.2 | Middle | 2 | 1 | 25.69 | 8.14 | 31.35 | 92.80 | 6.3 | 4.4 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS5 | 12:32 | 4.2 | Middle | 2 | 2 | 25.69 | 8.17 | 31.35 | 93.80 | 6.4 | 4.6 | 4.0 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS5 | 12:32 | 7.3 | Bottom | 3 | 1 | 25.68 | 8.15 | 31.38 | 92.60 | 6.3 | 4.3 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS5 | 12:31 | 7.3 | Bottom | 3 | 2 | 25.67 | 8.18 | 31.39 | 93.50 | 6.4 | 4.6 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS(Mf)6 | 12:40 | 1.0 | Surface | 1 | 1 | 25.87 | 8.24 | 31.40 | 93.70 | 6.4 | 3.5 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS(Mf)6 | 12:40 | 1.0 | Surface | 1 | 2 | 25.86 | 8.27 | 31.39 | 95.00 | 6.5 | 3.4 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS(Mf)6 | 12:40 | 2.1 | Bottom | 3 | 1 | 25.75 | 8.30 | 31.41 | 96.30 | 6.6 | 3.8 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS(Mf)6 | 12:40 | 2.1 | Bottom | 3 | 2 | 25.77 | 8.25 | 31.40 | 93.80 | 6.4 | 3.7 | 3.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS7 | 12:49 | 1.0 | Surface | 1 | 1 | 26.01 | 8.32 | 31.15 | 96.40 | 6.6 | 4.5 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS7 | 12:49 | 1.0 | Surface | 1 | 2 | 26.00 | 8.28 | 31.16 | 95.30 | 6.5 | 4.5 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS7 | 12:49 | 2.2 | Bottom | 3 | 1 | 25.81 | 8.30 | 31.24 | 95.20 | 6.5 | 4.6 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS7 | 12:48 | 2.2 | Bottom | 3 | 2 | 25.74 | 8.35 | 31.28 | 97.50 | 6.7 | 4.5 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS8 | 13:13 | 1.0 | Surface | 1 | 1 | 25.74 | 8.14 | 31.09 | 93.50 | 6.4 | 3.2 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS8 | 13:13 | 1.0 | Surface | 1 | 2 | 25.78 | 8.15 | 31.07 | 95.10 | 6.5 | 3.3 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS8 | 13:12 | 3.0 | Bottom | 3 | 1 | 25.66 | 8.17 | 31.13 | 96.90 | 6.6 | 3.1 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS8 | 13:13 | 3.0 | Bottom | 3 | 2 | 25.69 | 8.15 | 31.10 | 93.90 | 6.4 | 3.3 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS(Mf)9 | 12:56 | 1.0 | Surface | 1 | 1 | 25.99 | 8.26 | 31.09 | 95.30 | 6.5 | 2.5 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS(Mf)9 | 12:56 | 1.0 | Surface | 1 | 2 | 26.10 | 8.22 | 31.02 | 94.90 | 6.5 | 2.5 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS(Mf)9 | 12:56 | 2.7 | Bottom | 3 | 1 | 26.00 | 8.25 | 31.07 | 94.70 | 6.5 | 2.6 | 1.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS(Mf)9 | 12:56 | 2.7 | Bottom | 3 | 2 | 25.80 | 8.28 | 31.19 | 95.40 | 6.5 | 2.5 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS10(N) | 13:26 | 1.0 | Surface | 1 | 1 | 26.60 | 8.20 | 29.11 | 91.90 | 6.3 | 3.6 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS10(N) | 13:27 | 1.0 | Surface | 1 | 2 | 26.59 | 8.20 | 29.09 | 91.70 | 6.3 | 3.8 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS10(N) | 13:26 | 5.1 | Middle | 2 | 1 | 26.28 | 8.29 | 29.80 | 92.20 | 6.3 | 5.3 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS10(N) | 13:27 | 5.1 | Middle | 2 | 2 | 26.29 | 8.29 | 29.86 | 92.10 | 6.3 | 5.1 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS10(N) | 13:25 | 9.2 | Bottom | 3 | 1 | 26.30 | 8.31 | 30.16 | 92.60 | 6.3 | 6.0 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | IS10(N) | 13:27 | 9.2 | Bottom | 3 | 2 | 26.30 | 8.31 | 30.16 | 92.40 | 6.3 | 6.2 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR3(N) | 12:24 | 1.0 | Surface | 1 | 1 | 25.97 | 8.25 | 31.37 | 95.20 | 6.5 | 3.3 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR3(N) | 12:24 | 1.0 | Surface | 1 | 2 | 26.00 | 8.23 | 31.35 | 95.20 | 6.5 | 3.2 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR3(N) | 12:24 | 2.4 | Bottom | 3 | 1 | 25.83 | 8.25 | 31.42 | 96.20 | 6.6 | 3.2 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR3(N) | 12:24 | 2.4 | Bottom | 3 | 2 | 25.98 | 8.24 | 31.37 | 95.20 | 6.5 | 3.2 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR4(N) | 13:07 | 1.0 | Surface | 1 | 1 | 26.02 | 8.22 | 31.00 | 94.30 | 6.4 | 3.3 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR4(N) | 13:07 | 1.0 | Surface | 1 | 2 | 26.01 | 8.20 | 31.01 | 93.60 | 6.4 | 3.4 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR4(N) | 13:07 | 2.8 | Bottom | 3 | 1 | 26.03 | 8.21 | 31.00 | 93.90 | 6.4 | 3.1 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR4(N) | 13:06 | 2.8 | Bottom | 3 | 2 | 26.03 | 8.24 | 31.00 | 94.70 | 6.5 | 3.1 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR5(N) | 13:12 | 1.0 | Surface | 1 | 1 | 26.64 | 8.21 | 28.95 | 92.10 | 6.3 | 3.3 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR5(N) | 13:13 | 1.0 | Surface | 1 | 2 | 26.65 | 8.19 | 28.94 | 91.90 | 6.3 | 3.5 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR5(N) | 13:11 | 3.6 | Middle | 2 | 1 | 26.31 | 8.29 | 29.66 | 91.70 | 6.3 | 4.4 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR5(N) | 13:13 | 3.6 | Middle | 2 | 2 | 26.32 | 8.28 | 29.71 | 91.50 | 6.3 | 4.6 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR5(N) | 13:11 | 6.2 | Bottom | 3 | 1 | 26.30 | 8.33 | 30.05 | 91.50 | 6.2 | 5.0 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR5(N) | 13:12 | 6.2 | Bottom | 3 | 2 | 26.30 | 8.31 | 30.02 | 91.40 | 6.2 | 5.2 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10A(N) | 14:09 | 1.0 | Surface | 1 | 1 | 26.49 | 8.19 | 30.68 | 88.30 | 6.0 | 1.8 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10A(N) | 14:07 | 1.0 | Surface | 1 | 2 | 26.50 | 8.20 | 30.70 | 88.30 | 6.0 | 1.7 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10A(N) | 14:07 | 6.8 | Middle | 2 | 1 | 26.44 | 8.20 | 30.81 | 88.30 | 6.0 | 2.0 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10A(N) | 14:08 | 6.8 | Middle | 2 | 2 | 26.44 | 8.19 | 30.84 | 88.10 | 6.0 | 2.2 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10A(N) | 14:07 | 12.6 | Bottom | 3 | 1 | 26.31 | 8.21 | 31.01 | 89.00 | 6.0 | 2.8 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10A(N) | 14:08 | 12.6 | Bottom | 3 | 2 | 26.33 | 8.19 | 30.99 | 88.80 | 6.0 | 2.9 | 7.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10B(N2) | 14:18 | 1.0 | Surface | 1 | 1 | 26.45 | 8.19 | 30.80 | 88.70 | 6.0 | 2.1 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10B(N2) | 14:20 | 1.0 | Surface | 1 | 2 | 26.46 | 8.19 | 30.81 | 88.50 | 6.0 | 2.0 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10B(N2) | 14:19 | 3.5 | Middle | 2 | 1 | 26.43 | 8.19 | 30.87 | 88.80 | 6.0 | 2.2 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10B(N2) | 14:18 | 3.5 | Middle | 2 | 2 | 26.42 | 8.19 | 30.86 | 88.90 | 6.0 | 2.3 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10B(N2) | 14:18 | 6.0 | Bottom | 3 | 1 | 26.43 | 8.20 | 30.88 | 89.40 | 6.1 | 2.7 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | SR10B(N2) | 14:19 | 6.0 | Bottom | 3 | 2 | 26.43 | 8.19 | 30.87 | 89.00 | 6.0 | 2.5 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS2(A) | 12:21 | 1.0 | Surface | 1 | 1 | 26.27 | 8.27 | 29.27 | 98.60 | 6.7 | 2.7 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS2(A) | 12:20 | 1.0 | Surface | 1 | 2 | 26.25 | 8.29 | 29.29 | 99.10 | 6.8 | 2.8 | 6.0 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS2(A) | 12:21 | 3.7 | Middle | 2 | 1 | 26.09 | 8.26 | 30.04 | 95.00 | 6.5 | 3.6 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS2(A) | 12:19 | 3.7 | Middle | 2 | 2 | 26.08 | 8.28 | 30.07 | 94.80 | 6.5 | 3.5 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS2(A) | 12:20 | 6.4 | Bottom | 3 | 1 | 26.06 | 8.26 | 30.17 | 95.20 | 6.5 | 4.4 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS2(A) | 12:19 | 6.4 | Bottom | 3 | 2 | 26.07 | 8.28 | 30.18 | 94.90 | 6.5 | 4.3 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS(Mf)5 | 13:45 | 1.0 | Surface | 1 | 1 | 25.91 | 8.24 | 30.98 | 91.20 | 6.2 | 4.1 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS(Mf)5 | 13:46 | 1.0 | Surface | 1 | 2 | 25.89 | 8.18 | 30.99 | 89.90 | 6.1 | 3.9 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS(Mf)5 | 13:46 | 6.0 | Middle | 2 | 1 | 25.73 | 8.19 | 31.26 | 88.20 | 6.0 | 6.1 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS(Mf)5 | 13:45 | 6.0 | Middle | 2 | 2 | 25.74 | 8.27 | 31.23 | 90.80 | 6.2 | 5.8 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS(Mf)5 | 13:45 | 11.0 | Bottom | 3 | 1 | 25.68 | 8.20 | 31.49 | 87.90 | 6.0 | 7.9 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Ebb | Sunny | CS(Mf)5 | 13:45 | 11.0 | Bottom | 3 | 2 | 25.69 | 8.30 | 31.47 | 89.30 | 6.1 | 7.5 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS5 | 8:21 | 1.0 | Surface | 1 | 1 | 25.52 | 8.10 | 31.32 | 91.60 | 6.3 | 3.5 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS5 | 8:21 | 1.0 | Surface | 1 | 2 | 25.52 | 8.10 | 31.31 | 95.90 | 6.6 | 3.5 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS5 | 8:21 | 4.3 | Middle | 2 | 1 | 25.52 | 8.10 | 31.33 | 93.70 | 6.4 | 4.3 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS5 | 8:21 | 4.3 | Middle | 2 | 2 | 25.53 | 8.10 | 31.36 | 91.00 | 6.2 | 4.4 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS5 | 8:21 | 7.5 | Bottom | 3 | 1 | 25.52 | 8.11 | 31.36 | 92.50 | 6.3 | 4.4 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS5 | 8:21 | 7.5 | Bottom | 3 | 2 | 25.52 | 8.10 | 31.35 | 91.20 | 6.3 | 4.4 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS(Mf)6 | 8:13 | 1.0 | Surface | 1 | 1 | 25.49 | 8.10 | 31.32 | 92.60 | 6.4 | 4.4 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS(Mf)6 | 8:13 | 1.0 | Surface | 1 | 2 | 25.50 | 8.11 | 31.31 | 94.80 | 6.5 | 4.6 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS(Mf)6 | 8:13 | 2.2 | Bottom | 3 | 1 | 25.49 | 8.10 | 31.34 | 93.60 | 6.4 | 4.5 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS(Mf)6 | 8:13 | 2.2 | Bottom | 3 | 2 | 25.49 | 8.12 | 31.35 | 97.20 | 6.7 | 4.5 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS7 | 8:03 | 1.0 | Surface | 1 | 1 | 25.51 | 8.09 | 31.36 | 93.40 | 6.4 | 3.8 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS7 | 8:03 | 1.0 | Surface | 1 | 2 | 25.50 | 8.09 | 31.36 | 91.60 | 6.3 | 3.7 | 3.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS7 | 8:02 | 2.3 | Bottom | 3 | 1 | 25.52 | 8.09 | 31.41 | 97.30 | 6.7 | 3.9 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS7 | 8:03 | 2.3 | Bottom | 3 | 2 | 25.51 | 8.09 | 31.38 | 92.30 | 6.3 | 4.0 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS8 | 7:36 | 1.0 | Surface | 1 | 1 | 25.44 | 8.09 | 31.17 | 94.50 | 6.5 | 4.0 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS8 | 7:37 | 1.0 | Surface | 1 | 2 | 25.42 | 8.09 | 31.16 | 91.20 | 6.3 | 3.9 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS8 | 7:36 | 3.4 | Bottom | 3 | 1 | 25.42 | 8.10 | 31.16 | 96.30 | 6.6 | 4.4 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS8 | 7:36 | 3.4 | Bottom | 3 | 2 | 25.43 | 8.09 | 31.16 | 92.20 | 6.3 | 4.3 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS(Mf)9 | 7:54 | 1.0 | Surface | 1 | 1 | 25.48 | 8.09 | 31.07 | 91.60 | 6.3 | 5.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS(Mf)9 | 7:53 | 1.0 | Surface | 1 | 2 | 25.48 | 8.09 | 31.07 | 94.20 | 6.5 | 5.7 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS(Mf)9 | 7:53 | 2.8 | Bottom | 3 | 1 | 25.47 | 8.09 | 31.09 | 92.60 | 6.4 | 5.7 | 10.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS(Mf)9 | 7:53 | 2.8 | Bottom | 3 | 2 | 25.48 | 8.11 | 31.06 | 96.90 | 6.7 | 5.7 | 10.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS10(N) | 7:49 | 1.0 | Surface | 1 | 1 | 26.14 | 8.17 | 30.00 | 89.80 | 6.1 | 13.0 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS10(N) | 7:47 | 1.0 | Surface | 1 | 2 | 26.13 | 8.17 | 30.00 | 90.20 | 6.2 | 13.4 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS10(N) | 7:48 | 5.2 | Middle | 2 | 1 | 26.11 | 8.17 | 30.00 | 89.80 | 6.1 | 15.4 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS10(N) | 7:47 | 5.2 | Middle | 2 | 2 | 26.11 | 8.17 | 30.02 | 89.90 | 6.1 | 15.6 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS10(N) | 7:48 | 9.4 | Bottom | 3 | 1 | 26.09 | 8.17 | 30.02 | 89.50 | 6.1 | 17.8 | 9.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | IS10(N) | 7:47 | 9.4 | Bottom | 3 | 2 | 26.08 | 8.18 | 30.02 | 89.40 | 6.1 | 17.6 | 9.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR3(N) | 8:30 | 1.0 | Surface | 1 | 1 | 25.55 | 8.10 | 31.32 | 91.00 | 6.2 | 2.8 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR3(N) | 8:30 | 1.0 | Surface | 1 | 2 | 25.55 | 8.10 | 31.32 | 92.40 | 6.3 | 2.7 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR3(N) | 8:29 | 2.6 | Bottom | 3 | 1 | 25.56 | 8.11 | 31.32 | 95.50 | 6.5 | 2.7 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR3(N) | 8:30 | 2.6 | Bottom | 3 | 2 | 25.55 | 8.10 | 31.32 | 91.30 | 6.3 | 2.8 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR4(N) | 7:43 | 1.0 | Surface | 1 | 1 | 25.49 | 8.10 | 31.17 | 89.80 | 6.2 | 4.2 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR4(N) | 7:43 | 1.0 | Surface | 1 | 2 | 25.49 | 8.10 | 31.18 | 91.70 | 6.3 | 4.2 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR4(N) | 7:43 | 2.8 | Bottom | 3 | 1 | 25.49 | 8.10 | 31.18 | 90.60 | 6.2 | 4.2 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR4(N) | 7:43 | 2.8 | Bottom | 3 | 2 | 25.50 | 8.11 | 31.18 | 93.90 | 6.5 | 4.4 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR5(N) | 8:01 | 1.0 | Surface | 1 | 1 | 26.11 | 8.17 | 29.97 | 89.80 | 6.1 | 9.7 | 9.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR5(N) | 8:02 | 1.0 | Surface | 1 | 2 | 26.11 | 8.17 | 29.97 | 89.90 | 6.2 | 9.6 | 10.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR5(N) | 8:02 | 3.7 | Middle | 2 | 1 | 26.11 | 8.17 | 29.99 | 89.60 | 6.1 | 11.2 | 10.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR5(N) | 8:01 | 3.7 | Middle | 2 | 2 | 26.11 | 8.17 | 29.97 | 89.70 | 6.1 | 11.6 | 10.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR5(N) | 8:00 | 6.4 | Bottom | 3 | 1 | 26.11 | 8.17 | 29.98 | 89.30 | 6.1 | 12.8 | 12.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR5(N) | 8:02 | 6.4 | Bottom | 3 | 2 | 26.11 | 8.17 | 29.99 | 89.40 | 6.1 | 12.6 | 11.1 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10A(N) | 7:03 | 1.0 | Surface | 1 | 1 | 26.15 | 8.16 | 30.66 | 87.40 | 6.0 | 6.1 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10A(N) | 7:04 | 1.0 | Surface | 1 | 2 | 26.16 | 8.16 | 30.64 | 87.80 | 6.0 | 5.9 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10A(N) | 7:03 | 6.9 | Middle | 2 | 1 | 26.13 | 8.16 | 30.75 | 86.90 | 5.9 | 6.6 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10A(N) | 7:02 | 6.9 | Middle | 2 | 2 | 26.12 | 8.16 | 30.76 | 87.10 | 5.9 | 6.5 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10A(N) | 7:03 | 12.8 | Bottom | 3 | 1 | 26.11 | 8.16 | 30.78 | 88.30 | 6.0 | 7.0 | 8.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10A(N) | 7:02 | 12.8 | Bottom | 3 | 2 | 26.10 | 8.16 | 30.80 | 88.50 | 6.0 | 7.1 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10B(N2) | 6:49 | 1.0 | Surface | 1 | 1 | 26.13 | 8.16 | 30.63 | 88.30 | 6.0 | 6.4 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10B(N2) | 6:50 | 1.0 | Surface | 1 | 2 | 26.13 | 8.16 | 30.63 | 88.10 | 6.0 | 6.3 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10B(N2) | 6:49 | 3.6 | Middle | 2 | 1 | 26.13 | 8.16 | 30.63 | 88.60 | 6.0 | 6.8 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10B(N2) | 6:50 | 3.6 | Middle | 2 | 2 | 26.13 | 8.16 | 30.62 | 88.60 | 6.0 | 7.0 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10B(N2) | 6:48 | 6.2 | Bottom | 3 | 1 | 26.13 | 8.16 | 30.68 | 89.10 | 6.1 | 7.4 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | SR10B(N2) | 6:49 | 6.2 | Bottom | 3 | 2 | 26.13 | 8.16 | 30.68 | 89.10 | 6.1 | 7.6 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS2(A) | 8:53 | 1.0 | Surface | 1 | 1 | 26.11 | 8.17 | 29.46 | 92.00 | 6.3 | 11.0 | 9.4 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS2(A) | 8:51 | 1.0 | Surface | 1 | 2 | 26.11 | 8.18 | 29.47 | 92.10 | 6.3 | 10.7 | 8.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS2(A) | 8:51 | 3.9 | Middle | 2 | 1 | 26.10 | 8.19 | 29.72 | 92.10 | 6.3 | 11.7 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS2(A) | 8:52 | 3.9 | Middle | 2 | 2 | 26.09 | 8.18 | 29.74 | 92.00 | 6.3 | 11.9 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS2(A) | 8:50 | 6.7 | Bottom | 3 | 1 | 26.08 | 8.20 | 30.08 | 91.50 | 6.3 | 13.0 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS2(A) | 8:52 | 6.7 | Bottom | 3 | 2 | 26.08 | 8.19 | 30.08 | 92.00 | 6.3 | 13.4 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS(Mf)5 | 7:15 | 1.0 | Surface | 1 | 1 | 25.65 | 8.08 | 30.84 | 93.80 | 6.4 | 5.5 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS(Mf)5 | 7:15 | 1.0 | Surface | 1 | 2 | 25.65 | 8.09 | 30.93 | 89.70 | 6.2 | 5.5 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS(Mf)5 | 7:15 | 6.2 | Middle | 2 | 1 | 25.65 | 8.09 | 31.04 | 89.70 | 6.2 | 5.3 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS(Mf)5 | 7:15 | 6.2 | Middle | 2 | 2 | 25.64 | 8.09 | 31.05 | 89.10 | 6.1 | 5.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS(Mf)5 | 7:15 | 11.3 | Bottom | 3 | 1 | 25.63 | 8.09 | 31.11 | 88.90 | 6.1 | 5.7 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-26 | Mid-Flood | Sunny | CS(Mf)5 | 7:13 | 11.3 | Bottom | 3 | 2 | 25.63 | 8.08 | 31.13 | 89.40 | 6.1 | 5.6 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS5 | 14:45 | 1.0 | Surface | 1 | 1 | 25.23 | 8.04 | 30.66 | 96.60 | 6.7 | 2.1 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS5 | 14:45 | 1.0 | Surface | 1 | 2 | 25.25 | 8.05 | 30.66 | 98.30 | 6.8 | 2.0 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS5 | 14:44 | 4.1 | Middle | 2 | 1 | 25.21 | 8.05 | 30.66 | 97.20 | 6.7 | 2.0 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS5 | 14:45 | 4.1 | Middle | 2 | 2 | 25.19 | 8.04 | 30.67 | 96.10 | 6.7 | 2.2 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS5 | 14:45 | 7.2 | Bottom | 3 | 1 | 25.18 | 8.04 | 30.67 | 96.10 | 6.6 | 2.0 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS5 | 14:44 | 7.2 | Bottom | 3 | 2 | 25.20 | 8.05 | 30.67 | 95.90 | 6.6 | 2.0 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS(Mf)6 | 14:53 | 1.0 | Surface | 1 | 1 | 25.30 | 8.05 | 30.54 | 97.40 | 6.7 | 3.6 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS(Mf)6 | 14:53 | 1.0 | Surface | 1 | 2 | 25.30 | 8.04 | 30.54 | 96.80 | 6.7 | 3.6 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS(Mf)6 | 14:53 | 2.2 | Bottom | 3 | 1 | 25.28 | 8.04 | 30.55 | 96.90 | 6.7 | 3.8 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS(Mf)6 | 14:53 | 2.2 | Bottom | 3 | 2 | 25.30 | 8.06 | 30.54 | 97.80 | 6.8 | 3.8 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS7 | 15:01 | 1.0 | Surface | 1 | 1 | 25.71 | 7.96 | 30.47 | 103.50 | 7.1 | 4.9 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS7 | 15:01 | 1.0 | Surface | 1 | 2 | 25.72 | 7.97 | 30.47 | 105.00 | 7.2 | 5.0 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS7 | 15:01 | 2.0 | Bottom | 3 | 1 | 25.64 | 7.96 | 30.44 | 103.80 | 7.1 | 5.2 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS7 | 15:00 | 2.0 | Bottom | 3 | 2 | 25.60 | 7.98 | 30.44 | 105.20 | 7.2 | 5.5 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS8 | 15:25 | 1.0 | Surface | 1 | 1 | 25.34 | 8.02 | 30.37 | 99.00 | 6.9 | 4.4 | 7.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS8 | 15:26 | 1.0 | Surface | 1 | 2 | 25.34 | 8.00 | 30.38 | 96.40 | 6.7 | 4.6 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS8 | 15:25 | 3.0 | Bottom | 3 | 1 | 25.28 | 8.04 | 30.36 | 100.40 | 7.0 | 4.5 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS8 | 15:25 | 3.0 | Bottom | 3 | 2 | 25.30 | 8.00 | 30.37 | 97.50 | 6.8 | 4.4 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS(Mf)9 | 15:09 | 1.0 | Surface | 1 | 1 | 25.65 | 8.03 | 30.51 | 98.90 | 6.8 | 4.8 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS(Mf)9 | 15:09 | 1.0 | Surface | 1 | 2 | 25.69 | 8.04 | 30.51 | 100.00 | 6.9 | 4.9 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS(Mf)9 | 15:09 | 2.6 | Bottom | 3 | 1 | 25.48 | 8.05 | 30.46 | 100.90 | 7.0 | 7.3 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS(Mf)9 | 15:09 | 2.6 | Bottom | 3 | 2 | 25.56 | 8.03 | 30.46 | 99.30 | 6.8 | 7.5 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS10(N) | 15:30 | 1.0 | Surface | 1 | 1 | 25.84 | 8.18 | 29.79 | 93.30 | 6.4 | 1.7 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS10(N) | 15:29 | 1.0 | Surface | 1 | 2 | 25.83 | 8.18 | 29.79 | 93.80 | 6.5 | 1.6 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS10(N) | 15:29 | 5.2 | Middle | 2 | 1 | 25.80 | 8.18 | 29.78 | 93.60 | 6.4 | 1.7 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS10(N) | 15:29 | 5.2 | Middle | 2 | 2 | 25.82 | 8.18 | 29.78 | 93.10 | 6.4 | 1.8 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS10(N) | 15:29 | 9.4 | Bottom | 3 | 1 | 25.80 | 8.18 | 29.78 | 94.10 | 6.5 | 1.7 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | IS10(N) | 15:29 | 9.4 | Bottom | 3 | 2 | 25.80 | 8.18 | 29.78 | 93.30 | 6.4 | 1.7 | 4.6 |

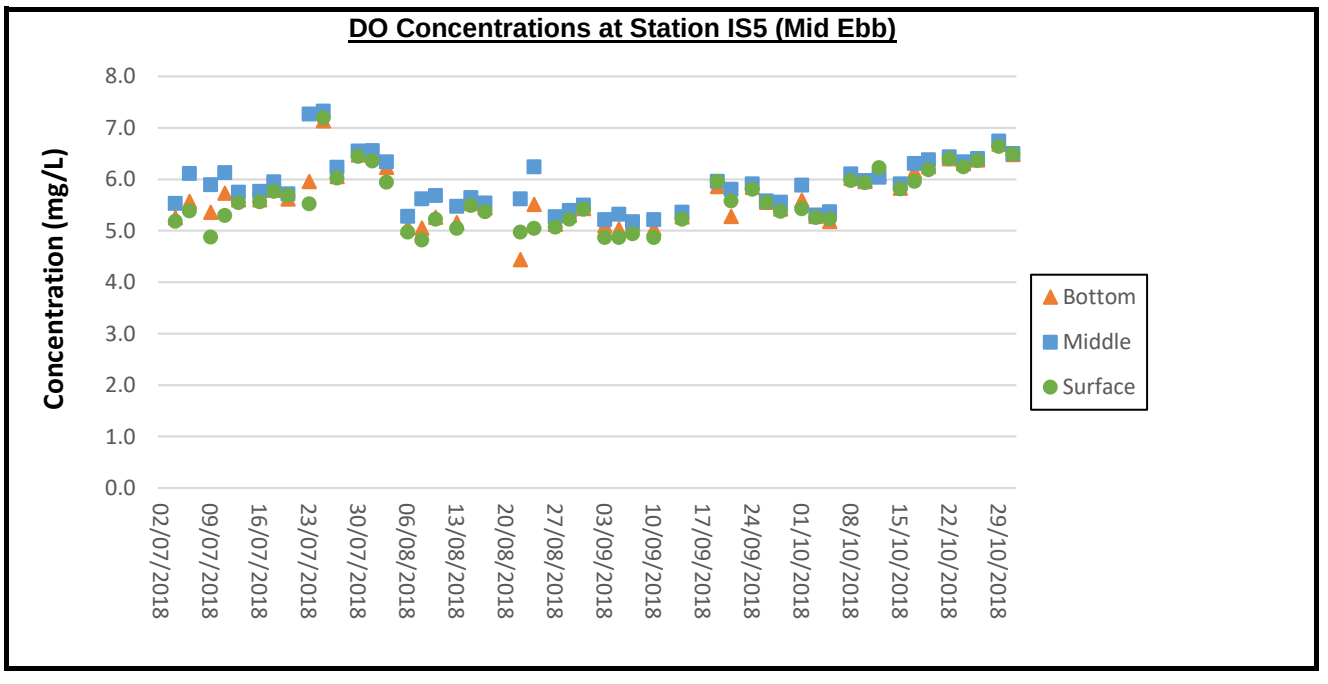
| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR3(N) | 14:36 | 1.0 | Surface | 1 | 1 | 25.31 | 8.08 | 30.61 | 96.70 | 6.7 | 1.5 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR3(N) | 14:36 | 1.0 | Surface | 1 | 2 | 25.35 | 8.08 | 30.60 | 96.50 | 6.7 | 1.4 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR3(N) | 14:35 | 2.5 | Bottom | 3 | 1 | 25.19 | 8.08 | 30.63 | 94.30 | 6.5 | 1.5 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR3(N) | 14:36 | 2.5 | Bottom | 3 | 2 | 25.25 | 8.08 | 30.61 | 96.80 | 6.7 | 1.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR4(N) | 15:20 | 1.0 | Surface | 1 | 1 | 25.73 | 8.06 | 30.33 | 100.50 | 6.9 | 3.0 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR4(N) | 15:20 | 1.0 | Surface | 1 | 2 | 25.72 | 8.07 | 30.32 | 101.40 | 7.0 | 2.8 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR4(N) | 15:20 | 2.7 | Bottom | 3 | 1 | 25.66 | 8.07 | 30.33 | 101.00 | 7.0 | 2.8 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR4(N) | 15:20 | 2.7 | Bottom | 3 | 2 | 25.71 | 8.10 | 30.34 | 102.00 | 7.0 | 2.7 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR5(N) | 15:18 | 1.0 | Surface | 1 | 1 | 25.84 | 8.20 | 29.78 | 95.80 | 6.6 | 2.0 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR5(N) | 15:18 | 1.0 | Surface | 1 | 2 | 25.81 | 8.19 | 29.79 | 93.90 | 6.5 | 1.8 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR5(N) | 15:18 | 4.1 | Middle | 2 | 1 | 25.82 | 8.19 | 29.79 | 96.40 | 6.6 | 2.3 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR5(N) | 15:18 | 4.1 | Middle | 2 | 2 | 25.78 | 8.18 | 29.78 | 94.10 | 6.5 | 2.0 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR5(N) | 15:18 | 7.1 | Bottom | 3 | 1 | 25.76 | 8.19 | 29.78 | 94.70 | 6.5 | 3.3 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR5(N) | 15:17 | 7.1 | Bottom | 3 | 2 | 25.82 | 8.20 | 29.78 | 98.20 | 6.8 | 3.0 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10A(N) | 16:16 | 1.0 | Surface | 1 | 1 | 26.01 | 8.15 | 30.82 | 95.20 | 6.5 | 1.5 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10A(N) | 16:15 | 1.0 | Surface | 1 | 2 | 26.01 | 8.15 | 30.81 | 93.80 | 6.4 | 1.5 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10A(N) | 16:16 | 6.4 | Middle | 2 | 1 | 26.01 | 8.15 | 30.85 | 90.30 | 6.2 | 1.4 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10A(N) | 16:15 | 6.4 | Middle | 2 | 2 | 26.02 | 8.16 | 30.82 | 91.30 | 6.2 | 1.5 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10A(N) | 16:15 | 11.7 | Bottom | 3 | 1 | 26.02 | 8.16 | 30.80 | 92.40 | 6.3 | 1.8 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10A(N) | 16:15 | 11.7 | Bottom | 3 | 2 | 26.01 | 8.15 | 30.88 | 90.60 | 6.2 | 2.0 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10B(N2) | 16:26 | 1.0 | Surface | 1 | 1 | 26.00 | 8.15 | 30.80 | 89.30 | 6.1 | 1.3 | 7.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10B(N2) | 16:26 | 1.0 | Surface | 1 | 2 | 26.00 | 8.15 | 30.79 | 88.70 | 6.1 | 1.4 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10B(N2) | 16:26 | 3.5 | Middle | 2 | 1 | 26.00 | 8.15 | 30.90 | 89.00 | 6.1 | 1.4 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10B(N2) | 16:25 | 3.5 | Middle | 2 | 2 | 26.00 | 8.15 | 30.86 | 89.50 | 6.1 | 1.4 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10B(N2) | 16:25 | 5.9 | Bottom | 3 | 1 | 26.01 | 8.15 | 30.85 | 89.70 | 6.1 | 2.3 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | SR10B(N2) | 16:26 | 5.9 | Bottom | 3 | 2 | 26.00 | 8.15 | 30.91 | 89.20 | 6.1 | 2.2 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS2(A) | 14:33 | 1.0 | Surface | 1 | 1 | 25.75 | 8.24 | 29.95 | 98.20 | 6.8 | 3.9 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS2(A) | 14:33 | 1.0 | Surface | 1 | 2 | 25.72 | 8.24 | 30.00 | 97.80 | 6.7 | 4.2 | 6.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS2(A) | 14:33 | 3.6 | Middle | 2 | 1 | 25.52 | 8.24 | 30.43 | 97.00 | 6.7 | 4.8 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS2(A) | 14:32 | 3.6 | Middle | 2 | 2 | 25.50 | 8.24 | 30.46 | 96.40 | 6.6 | 4.8 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS2(A) | 14:33 | 6.2 | Bottom | 3 | 1 | 25.47 | 8.24 | 30.55 | 97.10 | 6.7 | 5.3 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS2(A) | 14:32 | 6.2 | Bottom | 3 | 2 | 25.50 | 8.25 | 30.51 | 95.60 | 6.6 | 5.0 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS(Mf)5 | 15:50 | 1.0 | Surface | 1 | 1 | 25.61 | 8.05 | 31.14 | 91.60 | 6.3 | 1.4 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS(Mf)5 | 15:50 | 1.0 | Surface | 1 | 2 | 25.59 | 8.05 | 31.17 | 95.60 | 6.6 | 1.5 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS(Mf)5 | 15:50 | 5.9 | Middle | 2 | 1 | 25.43 | 8.04 | 31.40 | 89.70 | 6.1 | 1.7 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS(Mf)5 | 15:49 | 5.9 | Middle | 2 | 2 | 25.44 | 8.05 | 31.36 | 93.20 | 6.4 | 1.7 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS(Mf)5 | 15:50 | 10.7 | Bottom | 3 | 1 | 25.43 | 8.04 | 31.64 | 88.90 | 6.1 | 1.6 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Ebb | Sunny | CS(Mf)5 | 15:49 | 10.7 | Bottom | 3 | 2 | 25.42 | 8.06 | 31.67 | 93.20 | 6.4 | 1.7 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS5 | 10:51 | 1.0 | Surface | 1 | 1 | 25.09 | 8.11 | 30.51 | 96.90 | 6.7 | 3.5 | 7.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS5 | 10:51 | 1.0 | Surface | 1 | 2 | 25.10 | 8.12 | 30.49 | 101.90 | 7.1 | 3.3 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS5 | 10:51 | 4.3 | Middle | 2 | 1 | 25.08 | 8.13 | 30.52 | 98.80 | 6.9 | 3.1 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS5 | 10:51 | 4.3 | Middle | 2 | 2 | 25.08 | 8.11 | 30.52 | 95.90 | 6.7 | 3.2 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS5 | 10:51 | 7.5 | Bottom | 3 | 1 | 25.07 | 8.15 | 30.53 | 96.80 | 6.7 | 3.3 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS5 | 10:51 | 7.5 | Bottom | 3 | 2 | 25.08 | 8.11 | 30.52 | 95.00 | 6.6 | 3.2 | 6.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS(Mf)6 | 10:43 | 1.0 | Surface | 1 | 1 | 25.12 | 8.06 | 30.53 | 98.60 | 6.8 | 2.8 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS(Mf)6 | 10:43 | 1.0 | Surface | 1 | 2 | 25.11 | 8.07 | 30.52 | 97.00 | 6.7 | 2.8 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS(Mf)6 | 10:43 | 2.4 | Bottom | 3 | 1 | 25.11 | 8.06 | 30.56 | 101.60 | 7.0 | 2.9 | 11.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS(Mf)6 | 10:43 | 2.4 | Bottom | 3 | 2 | 25.12 | 8.06 | 30.54 | 97.80 | 6.8 | 2.8 | 10.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS7 | 10:34 | 1.0 | Surface | 1 | 1 | 25.12 | 8.06 | 30.58 | 102.90 | 7.1 | 3.8 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS7 | 10:35 | 1.0 | Surface | 1 | 2 | 25.14 | 8.06 | 30.59 | 99.70 | 6.9 | 3.7 | 6.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS7 | 10:34 | 2.1 | Bottom | 3 | 1 | 25.09 | 8.08 | 30.58 | 104.70 | 7.3 | 3.9 | 7.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS7 | 10:35 | 2.1 | Bottom | 3 | 2 | 25.13 | 8.06 | 30.59 | 100.90 | 7.0 | 3.9 | 8.2 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS8 | 10:10 | 1.0 | Surface | 1 | 1 | 25.21 | 8.08 | 30.55 | 96.20 | 6.7 | 4.9 | 16.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS8 | 10:10 | 1.0 | Surface | 1 | 2 | 25.21 | 8.08 | 30.55 | 99.70 | 6.9 | 4.7 | 15.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS8 | 10:10 | 3.2 | Bottom | 3 | 1 | 25.21 | 8.08 | 30.55 | 97.70 | 6.8 | 5.1 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS8 | 10:09 | 3.2 | Bottom | 3 | 2 | 25.21 | 8.10 | 30.55 | 102.60 | 7.1 | 4.9 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS(Mf)9 | 10:27 | 1.0 | Surface | 1 | 1 | 25.21 | 8.09 | 30.53 | 93.20 | 6.5 | 10.5 | 14.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS(Mf)9 | 10:27 | 1.0 | Surface | 1 | 2 | 25.21 | 8.10 | 30.52 | 94.30 | 6.5 | 10.6 | 15.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS(Mf)9 | 10:27 | 2.7 | Bottom | 3 | 1 | 25.21 | 8.09 | 30.53 | 94.20 | 6.5 | 10.4 | 14.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS(Mf)9 | 10:27 | 2.7 | Bottom | 3 | 2 | 25.21 | 8.10 | 30.52 | 95.30 | 6.6 | 10.5 | 16.0 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS10(N) | 10:49 | 1.0 | Surface | 1 | 1 | 25.61 | 8.16 | 29.66 | 97.90 | 6.8 | 7.6 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS10(N) | 10:48 | 1.0 | Surface | 1 | 2 | 25.62 | 8.18 | 29.64 | 96.10 | 6.6 | 7.3 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS10(N) | 10:47 | 5.3 | Middle | 2 | 1 | 25.62 | 8.19 | 29.67 | 95.20 | 6.6 | 8.3 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS10(N) | 10:49 | 5.3 | Middle | 2 | 2 | 25.61 | 8.16 | 29.70 | 93.30 | 6.4 | 8.9 | 8.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS10(N) | 10:47 | 9.6 | Bottom | 3 | 1 | 25.63 | 8.19 | 29.67 | 93.30 | 6.4 | 8.0 | 9.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | IS10(N) | 10:48 | 9.6 | Bottom | 3 | 2 | 25.61 | 8.17 | 29.70 | 93.60 | 6.5 | 8.6 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR3(N) | 10:59 | 1.0 | Surface | 1 | 1 | 25.03 | 8.10 | 30.57 | 95.70 | 6.6 | 3.0 | 8.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR3(N) | 11:00 | 1.0 | Surface | 1 | 2 | 25.01 | 8.10 | 30.60 | 95.40 | 6.6 | 3.1 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR3(N) | 11:00 | 2.5 | Bottom | 3 | 1 | 25.00 | 8.10 | 30.61 | 95.90 | 6.7 | 3.2 | 10.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR3(N) | 10:59 | 2.5 | Bottom | 3 | 2 | 25.00 | 8.11 | 30.60 | 97.70 | 6.8 | 3.1 | 11.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR4(N) | 10:17 | 1.0 | Surface | 1 | 1 | 25.10 | 8.14 | 30.40 | 97.80 | 6.8 | 2.5 | 8.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR4(N) | 10:17 | 1.0 | Surface | 1 | 2 | 25.12 | 8.16 | 30.39 | 100.40 | 7.0 | 2.6 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR4(N) | 10:17 | 2.8 | Bottom | 3 | 1 | 25.11 | 8.15 | 30.41 | 99.20 | 6.9 | 2.5 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR4(N) | 10:16 | 2.8 | Bottom | 3 | 2 | 25.14 | 8.18 | 30.47 | 103.00 | 7.1 | 2.5 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR5(N) | 11:03 | 1.0 | Surface | 1 | 1 | 25.62 | 8.16 | 29.63 | 92.40 | 6.4 | 5.7 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR5(N) | 11:04 | 1.0 | Surface | 1 | 2 | 25.63 | 8.15 | 29.62 | 92.50 | 6.4 | 5.3 | 9.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR5(N) | 11:04 | 4.1 | Middle | 2 | 1 | 25.62 | 8.16 | 29.63 | 92.40 | 6.4 | 7.2 | 8.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR5(N) | 11:03 | 4.1 | Middle | 2 | 2 | 25.61 | 8.16 | 29.67 | 92.40 | 6.4 | 7.3 | 7.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR5(N) | 11:03 | 7.1 | Bottom | 3 | 1 | 25.62 | 8.16 | 29.68 | 93.00 | 6.4 | 6.6 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR5(N) | 11:04 | 7.1 | Bottom | 3 | 2 | 25.61 | 8.16 | 29.69 | 92.20 | 6.4 | 7.0 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10A(N) | 10:01 | 1.0 | Surface | 1 | 1 | 25.87 | 8.14 | 30.63 | 89.10 | 6.1 | 3.6 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10A(N) | 10:01 | 1.0 | Surface | 1 | 2 | 25.87 | 8.14 | 30.60 | 89.00 | 6.1 | 3.4 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10A(N) | 10:01 | 6.4 | Middle | 2 | 1 | 25.86 | 8.14 | 30.76 | 89.10 | 6.1 | 5.0 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10A(N) | 10:01 | 6.4 | Middle | 2 | 2 | 25.87 | 8.14 | 30.77 | 88.90 | 6.1 | 5.4 | 6.5 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10A(N) | 10:00 | 11.8 | Bottom | 3 | 1 | 25.87 | 8.15 | 30.77 | 90.00 | 6.2 | 5.3 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10A(N) | 10:01 | 11.8 | Bottom | 3 | 2 | 25.87 | 8.14 | 30.75 | 89.20 | 6.1 | 5.0 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10B(N2) | 9:51 | 1.0 | Surface | 1 | 1 | 25.87 | 8.14 | 30.59 | 92.00 | 6.3 | 3.6 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10B(N2) | 9:51 | 1.0 | Surface | 1 | 2 | 25.87 | 8.15 | 30.60 | 93.30 | 6.4 | 3.6 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10B(N2) | 9:51 | 3.6 | Middle | 2 | 1 | 25.87 | 8.14 | 30.61 | 91.40 | 6.3 | 4.3 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10B(N2) | 9:50 | 3.6 | Middle | 2 | 2 | 25.87 | 8.15 | 30.58 | 91.20 | 6.2 | 4.3 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10B(N2) | 9:51 | 6.1 | Bottom | 3 | 1 | 25.87 | 8.14 | 30.69 | 90.90 | 6.2 | 3.8 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | SR10B(N2) | 9:50 | 6.1 | Bottom | 3 | 2 | 25.87 | 8.15 | 30.58 | 90.80 | 6.2 | 4.0 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS2(A) | 11:53 | 1.0 | Surface | 1 | 1 | 25.46 | 8.25 | 30.07 | 98.50 | 6.8 | 3.6 | 8.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS2(A) | 11:54 | 1.0 | Surface | 1 | 2 | 25.46 | 8.23 | 30.05 | 98.50 | 6.8 | 3.4 | 9.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS2(A) | 11:53 | 3.4 | Middle | 2 | 1 | 25.41 | 8.26 | 30.33 | 97.00 | 6.7 | 5.0 | 8.4 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS2(A) | 11:54 | 3.4 | Middle | 2 | 2 | 25.38 | 8.23 | 30.40 | 98.20 | 6.8 | 5.3 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS2(A) | 11:53 | 5.8 | Bottom | 3 | 1 | 25.39 | 8.27 | 30.65 | 96.40 | 6.7 | 7.2 | 6.7 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS2(A) | 11:54 | 5.8 | Bottom | 3 | 2 | 25.39 | 8.24 | 30.50 | 98.40 | 6.8 | 7.0 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS(Mf)5 | 9:47 | 1.0 | Surface | 1 | 1 | 25.22 | 8.05 | 30.76 | 95.40 | 6.6 | 1.9 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS(Mf)5 | 9:48 | 1.0 | Surface | 1 | 2 | 25.22 | 8.06 | 30.77 | 91.70 | 6.3 | 2.1 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS(Mf)5 | 9:47 | 6.2 | Middle | 2 | 1 | 25.27 | 8.05 | 30.96 | 92.90 | 6.4 | 2.5 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS(Mf)5 | 9:48 | 6.2 | Middle | 2 | 2 | 25.27 | 8.05 | 30.95 | 91.10 | 6.3 | 2.5 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS(Mf)5 | 9:47 | 11.4 | Bottom | 3 | 1 | 25.31 | 8.04 | 31.23 | 90.80 | 6.3 | 2.6 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-29 | Mid-Flood | Sunny | CS(Mf)5 | 9:47 | 11.4 | Bottom | 3 | 2 | 25.29 | 8.05 | 31.11 | 92.80 | 6.4 | 2.7 | 5.9 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS5 | 5:00 | 1.0 | Surface | 1 | 1 | 24.57 | 8.18 | 31.40 | 93.3 | 6.50 | 1.6 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS5 | 5:00 | 1.0 | Surface | 1 | 2 | 24.56 | 8.18 | 31.40 | 93.2 | 6.49 | 1.6 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS5 | 5:00 | 4.1 | Middle | 2 | 1 | 24.56 | 8.18 | 31.39 | 93.1 | 6.48 | 1.7 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS5 | 5:00 | 4.1 | Middle | 2 | 2 | 24.55 | 8.19 | 31.39 | 93.1 | 6.49 | 1.8 | 4.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS5 | 4:59 | 7.2 | Bottom | 3 | 1 | 24.54 | 8.19 | 31.37 | 92.9 | 6.48 | 1.8 | 14.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS5 | 5:00 | 7.2 | Bottom | 3 | 2 | 24.56 | 8.18 | 31.39 | 93.0 | 6.48 | 1.7 | 15.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS(Mf)6 | 4:51 | 1.0 | Surface | 1 | 1 | 24.57 | 8.19 | 31.40 | 94.4 | 6.58 | 2.5 | 4.0 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS(Mf)6 | 4:51 | 1.0 | Surface | 1 | 2 | 24.56 | 8.18 | 31.40 | 93.6 | 6.52 | 2.5 | 5.0 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS(Mf)6 | 4:51 | 2.0 | Bottom | 3 | 1 | 24.56 | 8.18 | 31.40 | 93.8 | 6.53 | 2.4 | 26.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS(Mf)6 | 4:51 | 2.0 | Bottom | 3 | 2 | 24.57 | 8.19 | 31.38 | 94.8 | 6.60 | 2.5 | 23.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS7 | 4:44 | 1.0 | Surface | 1 | 1 | 24.58 | 8.18 | 31.40 | 93.1 | 6.48 | 2.2 | 16.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS7 | 4:44 | 1.0 | Surface | 1 | 2 | 24.60 | 8.19 | 31.40 | 93.0 | 6.48 | 2.2 | 3.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS7 | 4:44 | 2.1 | Bottom | 3 | 1 | 24.59 | 8.19 | 31.40 | 93.0 | 6.47 | 2.3 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS7 | 4:44 | 2.1 | Bottom | 3 | 2 | 24.60 | 8.20 | 31.39 | 92.8 | 6.46 | 2.1 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS8 | 4:19 | 1.0 | Surface | 1 | 1 | 24.61 | 8.17 | 31.41 | 94.0 | 6.54 | 1.2 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS8 | 4:18 | 1.0 | Surface | 1 | 2 | 24.62 | 8.18 | 31.40 | 94.1 | 6.54 | 1.2 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS8 | 4:19 | 3.0 | Bottom | 3 | 1 | 24.62 | 8.17 | 31.41 | 94.0 | 6.54 | 1.2 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS8 | 4:18 | 3.0 | Bottom | 3 | 2 | 24.64 | 8.18 | 31.41 | 94.0 | 6.53 | 1.2 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS(Mf)9 | 4:37 | 1.0 | Surface | 1 | 1 | 24.60 | 8.18 | 31.40 | 92.8 | 6.46 | 1.8 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS(Mf)9 | 4:37 | 1.0 | Surface | 1 | 2 | 24.60 | 8.18 | 31.40 | 92.7 | 6.45 | 1.8 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS(Mf)9 | 4:37 | 2.7 | Bottom | 3 | 1 | 24.60 | 8.18 | 31.40 | 92.5 | 6.44 | 1.9 | 2.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS(Mf)9 | 4:37 | 2.7 | Bottom | 3 | 2 | 24.61 | 8.18 | 31.41 | 93.3 | 6.49 | 1.8 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS10(N) | 4:57 | 1.0 | Surface | 1 | 1 | 24.69 | 8.21 | 30.44 | 98.4 | 6.88 | 6.6 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS10(N) | 4:58 | 1.0 | Surface | 1 | 2 | 24.69 | 8.21 | 30.42 | 98.3 | 6.87 | 6.8 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS10(N) | 4:58 | 5.3 | Middle | 2 | 1 | 24.71 | 8.21 | 30.44 | 97.7 | 6.83 | 8.8 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS10(N) | 4:57 | 5.3 | Middle | 2 | 2 | 24.70 | 8.21 | 30.44 | 98.1 | 6.86 | 9.0 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS10(N) | 4:57 | 9.5 | Bottom | 3 | 1 | 24.71 | 8.20 | 30.45 | 98.0 | 6.84 | 10.6 | 4.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | IS10(N) | 4:57 | 9.5 | Bottom | 3 | 2 | 24.71 | 8.19 | 30.38 | 98.1 | 6.85 | 11.1 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR3(N) | 5:09 | 1.0 | Surface | 1 | 1 | 24.57 | 8.19 | 31.39 | 93.2 | 6.49 | 1.5 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR3(N) | 5:09 | 1.0 | Surface | 1 | 2 | 24.55 | 8.19 | 31.39 | 93.2 | 6.50 | 1.4 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR3(N) | 5:09 | 2.5 | Bottom | 3 | 1 | 24.57 | 8.20 | 31.38 | 93.1 | 6.48 | 1.5 | 2.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR3(N) | 5:09 | 2.5 | Bottom | 3 | 2 | 24.57 | 8.19 | 31.39 | 93.2 | 6.49 | 1.5 | 2.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR4(N) | 4:26 | 1.0 | Surface | 1 | 1 | 24.64 | 8.17 | 31.41 | 93.5 | 6.50 | 1.7 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR4(N) | 4:26 | 1.0 | Surface | 1 | 2 | 24.63 | 8.17 | 31.42 | 93.4 | 6.50 | 1.6 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR4(N) | 4:26 | 2.7 | Bottom | 3 | 1 | 24.66 | 8.17 | 31.47 | 93.6 | 6.51 | 1.7 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR4(N) | 4:26 | 2.7 | Bottom | 3 | 2 | 24.69 | 8.17 | 31.47 | 93.6 | 6.50 | 1.6 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR5(N) | 5:09 | 1.0 | Surface | 1 | 1 | 24.68 | 8.22 | 30.40 | 98.5 | 6.89 | 3.7 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR5(N) | 5:09 | 1.0 | Surface | 1 | 2 | 24.69 | 8.22 | 30.41 | 98.8 | 6.90 | 4.0 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR5(N) | 5:09 | 4.0 | Middle | 2 | 1 | 24.70 | 8.22 | 30.41 | 98.5 | 6.88 | 4.5 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR5(N) | 5:09 | 4.0 | Middle | 2 | 2 | 24.70 | 8.22 | 30.42 | 98.7 | 6.89 | 4.6 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR5(N) | 5:09 | 6.9 | Bottom | 3 | 1 | 24.70 | 8.21 | 30.42 | 98.7 | 6.89 | 4.8 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR5(N) | 5:08 | 6.9 | Bottom | 3 | 2 | 24.70 | 8.22 | 30.42 | 98.8 | 6.90 | 5.0 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10A(N) | 3:56 | 1.0 | Surface | 1 | 1 | 24.69 | 8.22 | 30.45 | 98.5 | 6.88 | 4.2 | 18.0 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10A(N) | 3:57 | 1.0 | Surface | 1 | 2 | 24.68 | 8.22 | 30.46 | 98.8 | 6.90 | 4.4 | 19.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10A(N) | 3:57 | 6.6 | Middle | 2 | 1 | 24.70 | 8.21 | 30.45 | 98.5 | 6.88 | 6.7 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10A(N) | 3:56 | 6.6 | Middle | 2 | 2 | 24.71 | 8.21 | 30.44 | 97.8 | 6.83 | 6.6 | 7.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10A(N) | 3:56 | 12.2 | Bottom | 3 | 1 | 24.70 | 8.22 | 30.42 | 98.6 | 6.89 | 7.0 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10A(N) | 3:56 | 12.2 | Bottom | 3 | 2 | 24.72 | 8.17 | 30.37 | 98.0 | 6.84 | 7.2 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10B(N2) | 3:46 | 1.0 | Surface | 1 | 1 | 24.70 | 8.22 | 30.43 | 99.1 | 6.92 | 4.3 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10B(N2) | 3:47 | 1.0 | Surface | 1 | 2 | 24.70 | 8.22 | 30.45 | 98.9 | 6.91 | 4.4 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10B(N2) | 3:46 | 3.4 | Middle | 2 | 1 | 24.72 | 8.22 | 30.42 | 99.0 | 6.92 | 4.7 | 5.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10B(N2) | 3:47 | 3.4 | Middle | 2 | 2 | 24.71 | 8.22 | 30.45 | 98.7 | 6.90 | 4.5 | 6.1 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10B(N2) | 3:45 | 5.8 | Bottom | 3 | 1 | 24.72 | 8.21 | 30.46 | 99.4 | 6.94 | 5.4 | 6.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | SR10B(N2) | 3:46 | 5.8 | Bottom | 3 | 2 | 24.71 | 8.21 | 30.43 | 98.3 | 6.87 | 5.8 | 7.0 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS2(A) | 6:17 | 1.0 | Surface | 1 | 1 | 24.68 | 8.22 | 30.40 | 99.2 | 6.93 | 4.4 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS2(A) | 6:16 | 1.0 | Surface | 1 | 2 | 24.68 | 8.22 | 30.40 | 98.9 | 6.91 | 4.2 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS2(A) | 6:16 | 3.4 | Middle | 2 | 1 | 24.70 | 8.22 | 30.41 | 98.3 | 6.87 | 6.0 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS2(A) | 6:17 | 3.4 | Middle | 2 | 2 | 24.69 | 8.22 | 30.40 | 99.0 | 6.92 | 5.8 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS2(A) | 6:16 | 5.7 | Bottom | 3 | 1 | 24.69 | 8.22 | 30.40 | 98.9 | 6.91 | 6.0 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS2(A) | 6:16 | 5.7 | Bottom | 3 | 2 | 24.71 | 8.22 | 30.46 | 98.4 | 6.87 | 6.3 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS(Mf)5 | 3:51 | 1.0 | Surface | 1 | 1 | 24.61 | 8.14 | 31.41 | 92.8 | 6.40 | 1.5 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS(Mf)5 | 3:52 | 1.0 | Surface | 1 | 2 | 24.62 | 8.16 | 31.41 | 93.0 | 6.47 | 1.4 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS(Mf)5 | 3:52 | 6.0 | Middle | 2 | 1 | 24.71 | 8.14 | 31.52 | 92.1 | 6.39 | 1.6 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS(Mf)5 | 3:51 | 6.0 | Middle | 2 | 2 | 24.71 | 8.13 | 31.49 | 92.0 | 6.40 | 1.5 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS(Mf)5 | 3:52 | 11.0 | Bottom | 3 | 1 | 24.80 | 8.13 | 31.71 | 91.8 | 6.35 | 1.5 | 7.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Ebb | Fine | CS(Mf)5 | 3:51 | 11.0 | Bottom | 3 | 2 | 24.95 | 8.11 | 31.87 | 91.2 | 6.33 | 1.5 | 6.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS5 | 12:02 | 1.0 | Surface | 1 | 1 | 24.41 | 8.29 | 30.97 | 101.7 | 7.12 | 2.1 | 6.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS5 | 12:02 | 1.0 | Surface | 1 | 2 | 24.40 | 8.25 | 30.97 | 101.0 | 7.07 | 2.2 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS5 | 12:02 | 4.2 | Middle | 2 | 1 | 24.38 | 8.31 | 30.98 | 101.9 | 7.14 | 2.6 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS5 | 12:02 | 4.2 | Middle | 2 | 2 | 24.37 | 8.26 | 30.99 | 101.0 | 7.07 | 2.5 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS5 | 12:02 | 7.4 | Bottom | 3 | 1 | 24.37 | 8.27 | 30.98 | 101.1 | 7.08 | 2.5 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS5 | 12:02 | 7.4 | Bottom | 3 | 2 | 24.37 | 8.31 | 30.98 | 102.4 | 7.17 | 2.6 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS(Mf)6 | 12:11 | 1.0 | Surface | 1 | 1 | 24.44 | 8.18 | 30.90 | 105.7 | 7.40 | 4.1 | 5.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS(Mf)6 | 12:11 | 1.0 | Surface | 1 | 2 | 24.44 | 8.16 | 30.90 | 106.4 | 7.44 | 4.2 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS(Mf)6 | 12:11 | 2.2 | Bottom | 3 | 1 | 24.44 | 8.17 | 30.92 | 106.2 | 7.44 | 4.1 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS(Mf)6 | 12:11 | 2.2 | Bottom | 3 | 2 | 24.43 | 8.22 | 30.91 | 104.5 | 7.32 | 4.1 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS7 | 12:23 | 1.0 | Surface | 1 | 1 | 24.45 | 8.30 | 30.97 | 105.7 | 7.39 | 2.6 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS7 | 12:23 | 1.0 | Surface | 1 | 2 | 24.47 | 8.33 | 30.96 | 105.6 | 7.39 | 2.6 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS7 | 12:22 | 2.2 | Bottom | 3 | 1 | 24.47 | 8.33 | 30.95 | 105.5 | 7.38 | 2.6 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS7 | 12:23 | 2.2 | Bottom | 3 | 2 | 24.45 | 8.31 | 30.96 | 105.5 | 7.38 | 2.8 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS8 | 12:50 | 1.0 | Surface | 1 | 1 | 24.69 | 8.15 | 30.82 | 100.0 | 6.97 | 2.8 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS8 | 12:50 | 1.0 | Surface | 1 | 2 | 24.71 | 8.14 | 30.91 | 99.6 | 6.94 | 2.8 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS8 | 12:50 | 3.1 | Bottom | 3 | 1 | 24.73 | 8.14 | 31.21 | 100.0 | 6.95 | 2.9 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS8 | 12:50 | 3.1 | Bottom | 3 | 2 | 24.75 | 8.15 | 31.30 | 101.0 | 7.01 | 2.8 | 6.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS(Mf)9 | 12:31 | 1.0 | Surface | 1 | 1 | 24.55 | 8.24 | 30.98 | 99.3 | 6.94 | 3.6 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS(Mf)9 | 12:31 | 1.0 | Surface | 1 | 2 | 24.55 | 8.26 | 30.98 | 99.8 | 6.97 | 3.8 | 5.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS(Mf)9 | 12:31 | 2.7 | Bottom | 3 | 1 | 24.54 | 8.25 | 30.98 | 99.4 | 6.95 | 3.8 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS(Mf)9 | 12:31 | 2.7 | Bottom | 3 | 2 | 24.54 | 8.27 | 30.98 | 100.1 | 6.99 | 3.8 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS10(N) | 13:04 | 1.0 | Surface | 1 | 1 | 25.04 | 8.24 | 30.59 | 96.7 | 6.71 | 3.1 | 8.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS10(N) | 13:04 | 1.0 | Surface | 1 | 2 | 25.03 | 8.24 | 30.59 | 96.7 | 6.71 | 3.5 | 9.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS10(N) | 13:04 | 5.4 | Middle | 2 | 1 | 25.02 | 8.24 | 30.59 | 96.6 | 6.71 | 4.2 | 8.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS10(N) | 13:03 | 5.4 | Middle | 2 | 2 | 25.02 | 8.24 | 30.60 | 96.3 | 6.68 | 4.4 | 7.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS10(N) | 13:03 | 9.7 | Bottom | 3 | 1 | 25.03 | 8.24 | 30.60 | 96.8 | 6.72 | 5.5 | 4.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | IS10(N) | 13:04 | 9.7 | Bottom | 3 | 2 | 25.03 | 8.24 | 30.58 | 96.4 | 6.69 | 5.6 | 5.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR3(N) | 11:53 | 1.0 | Surface | 1 | 1 | 24.37 | 8.28 | 31.01 | 103.3 | 7.23 | 2.5 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR3(N) | 11:54 | 1.0 | Surface | 1 | 2 | 24.37 | 8.26 | 31.01 | 101.9 | 7.14 | 2.5 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR3(N) | 11:54 | 2.4 | Bottom | 3 | 1 | 24.37 | 8.27 | 31.02 | 102.4 | 7.17 | 2.5 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR3(N) | 11:53 | 2.4 | Bottom | 3 | 2 | 24.38 | 8.28 | 31.03 | 103.4 | 7.24 | 2.5 | 3.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR4(N) | 12:43 | 1.0 | Surface | 1 | 1 | 24.72 | 8.23 | 31.03 | 98.4 | 6.85 | 1.7 | 5.3 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR4(N) | 12:43 | 1.0 | Surface | 1 | 2 | 24.72 | 8.21 | 31.08 | 99.5 | 6.92 | 1.7 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR4(N) | 12:43 | 2.7 | Bottom | 3 | 1 | 24.74 | 8.22 | 31.24 | 99.1 | 6.89 | 1.8 | 4.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR4(N) | 12:43 | 2.7 | Bottom | 3 | 2 | 24.78 | 8.26 | 31.29 | 98.4 | 6.83 | 1.8 | 4.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR5(N) | 12:52 | 1.0 | Surface | 1 | 1 | 25.05 | 8.24 | 30.59 | 97.0 | 6.73 | 2.8 | 5.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR5(N) | 12:51 | 1.0 | Surface | 1 | 2 | 25.05 | 8.25 | 30.61 | 96.9 | 6.72 | 3.0 | 5.2 |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR5(N) | 12:51 | 4.0 | Middle | 2 | 1 | 25.04 | 8.25 | 30.61 | 97.4 | 6.76 | 3.0 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR5(N) | 12:52 | 4.0 | Middle | 2 | 2 | 25.03 | 8.25 | 30.59 | 96.7 | 6.71 | 2.7 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR5(N) | 12:51 | 6.9 | Bottom | 3 | 1 | 25.03 | 8.25 | 30.60 | 96.9 | 6.72 | 2.8 | 5.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR5(N) | 12:51 | 6.9 | Bottom | 3 | 2 | 25.04 | 8.25 | 30.60 | 97.6 | 6.77 | 2.9 | 5.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10A(N) | 14:04 | 1.0 | Surface | 1 | 1 | 25.51 | 8.21 | 32.14 | 92.1 | 6.28 | 1.2 | 2.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10A(N) | 14:03 | 1.0 | Surface | 1 | 2 | 25.52 | 8.22 | 32.11 | 93.5 | 6.38 | 1.1 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10A(N) | 14:03 | 6.7 | Middle | 2 | 1 | 25.55 | 8.21 | 32.25 | 92.4 | 6.30 | 1.7 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10A(N) | 14:03 | 6.7 | Middle | 2 | 2 | 25.54 | 8.23 | 32.24 | 94.3 | 6.42 | 1.5 | 2.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10A(N) | 14:03 | 12.3 | Bottom | 3 | 1 | 25.55 | 8.22 | 32.24 | 92.8 | 6.33 | 1.7 | 3.2 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10A(N) | 14:02 | 12.3 | Bottom | 3 | 2 | 25.54 | 8.25 | 32.24 | 95.2 | 6.49 | 1.5 | 3.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10B(N2) | 14:14 | 1.0 | Surface | 1 | 1 | 25.53 | 8.20 | 32.17 | 91.2 | 6.22 | 1.3 | 5.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10B(N2) | 14:13 | 1.0 | Surface | 1 | 2 | 25.52 | 8.20 | 32.15 | 91.3 | 6.23 | 1.2 | 6.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10B(N2) | 14:14 | 3.4 | Middle | 2 | 1 | 25.54 | 8.20 | 32.22 | 91.2 | 6.22 | 1.6 | 4.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10B(N2) | 14:13 | 3.4 | Middle | 2 | 2 | 25.54 | 8.20 | 32.20 | 91.7 | 6.25 | 1.5 | 4.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10B(N2) | 14:13 | 5.8 | Bottom | 3 | 1 | 25.55 | 8.21 | 32.25 | 91.7 | 6.25 | 2.0 | 4.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | SR10B(N2) | 14:14 | 5.8 | Bottom | 3 | 2 | 25.54 | 8.20 | 32.25 | 91.0 | 6.20 | 1.8 | 3.7 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS2(A) | 11:56 | 1.0 | Surface | 1 | 1 | 25.05 | 8.28 | 30.62 | 97.5 | 6.76 | 2.7 | 2.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS2(A) | 11:56 | 1.0 | Surface | 1 | 2 | 25.05 | 8.27 | 30.61 | 97.1 | 6.73 | 2.6 | 3.5 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS2(A) | 11:56 | 3.4 | Middle | 2 | 1 | 25.05 | 8.27 | 30.62 | 97.4 | 6.76 | 2.9 | 2.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS2(A) | 11:55 | 3.4 | Middle | 2 | 2 | 25.06 | 8.29 | 30.63 | 96.9 | 6.72 | 2.9 | 3.4 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS2(A) | 11:55 | 5.7 | Bottom | 3 | 1 | 25.06 | 8.29 | 30.64 | 96.2 | 6.67 | 3.0 | 4.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS2(A) | 11:56 | 5.7 | Bottom | 3 | 2 | 25.05 | 8.27 | 30.62 | 97.5 | 6.76 | 2.9 | 2.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS(Mf)5 | 13:20 | 1.0 | Surface | 1 | 1 | 24.82 | 8.19 | 31.81 | 93.2 | 6.45 | 1.6 | 2.1 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS(Mf)5 | 13:21 | 1.0 | Surface | 1 | 2 | 24.78 | 8.18 | 31.75 | 92.0 | 6.37 | 1.5 | 1.6 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS(Mf)5 | 13:20 | 6.3 | Middle | 2 | 1 | 25.06 | 8.19 | 32.52 | 92.1 | 6.32 | 1.5 | 1.8 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS(Mf)5 | 13:20 | 6.3 | Middle | 2 | 2 | 24.95 | 8.18 | 32.35 | 91.0 | 6.26 | 1.5 | 1.9 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS(Mf)5 | 13:20 | 11.5 | Bottom | 3 | 1 | 25.11 | 8.19 | 32.74 | 93.4 | 6.39 | 1.5 | 2.0 |
| HKLR | HY/2011/03 | 2018-10-31 | Mid-Flood | Cloudy | CS(Mf)5 | 13:20 | 11.5 | Bottom | 3 | 2 | 25.05 | 8.18 | 32.67 | 92.9 | 6.37 | 1.5 | 1.8 |



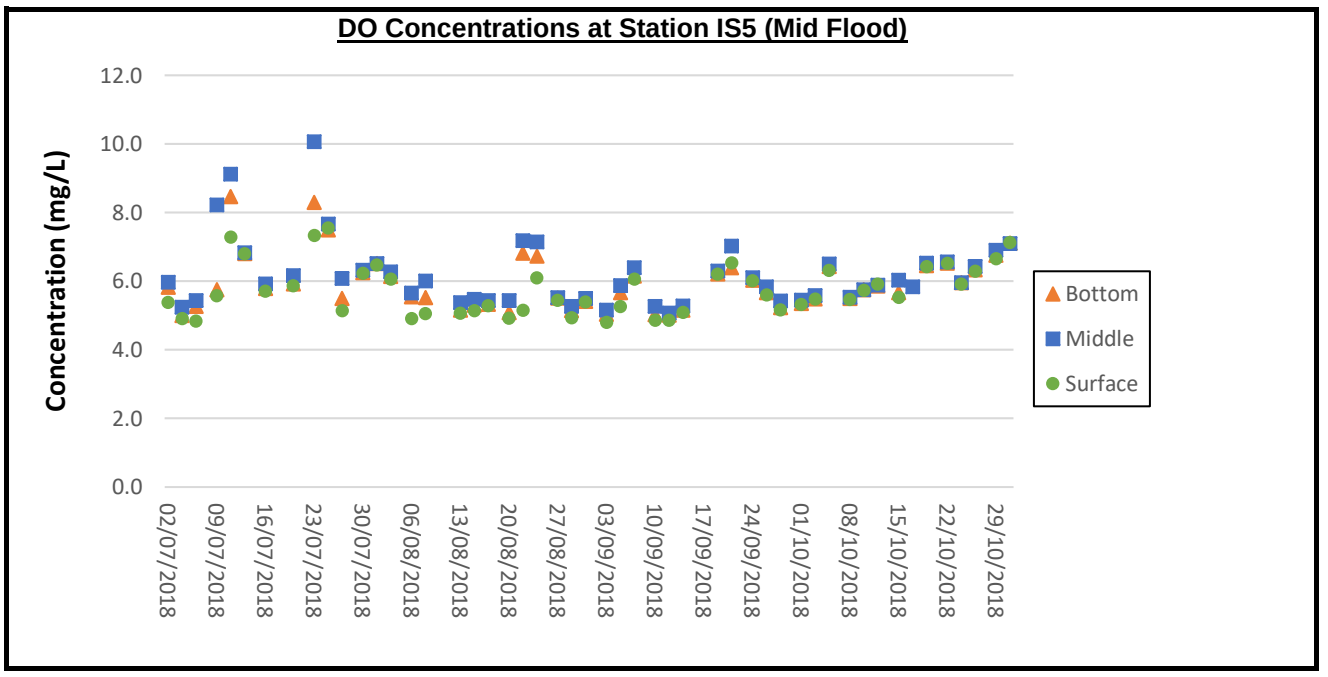

Remarks:

1) Thunderstorm Warning was issued by Hong Kong Observatory on 2 July 2018. The water quality monitoring for ebb tide on 2 July 2018 was cancelled due to safety reasons.

2) Thunderstorm Warning was issued by the Hong Kong Observatory on 20 August 2018. The water quality monitoring for ebb tide on 20 August 2018 was cancelled due to safety reason.

3)As the Strong Wind Signal No.3 was issued by Hong Kong Observatory in the afternoon of 12 September 2018. The water quality monitoring for ebb tide on 12 September 2018 was cancelled due to safety reason.

4) No. 8 Southeast Gale or Storm Signal and Strong Wind Signal No.3 was issued by Hong Kong Observatory on 17 September 2018. The water quality monitoring for ebb tide and flood tide on 17 September 2018 was cancelled due to safety reason.



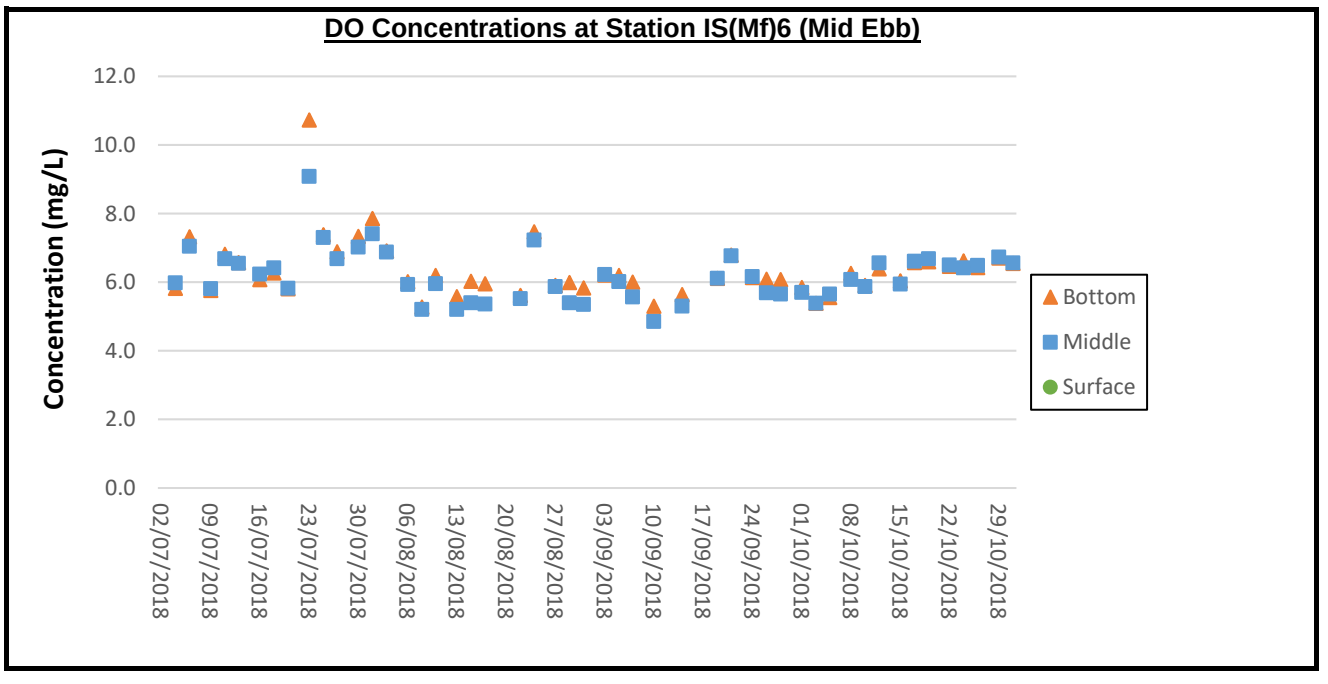

Remarks:

1) As the Strong Wind Signal No.3 was hoisted and Thunderstorm Warning was issued by Hong Kong Observatory. The water quality monitoring for flood tide on 18 July 2018 was cancelled due to safety reasons.

2)Thunderstorm Warning was issued by the Hong Kong Observatory on 6 August 2018. Except for water quality monitoring of flood tide at stations CS2(A), SR3(N) and IS5, the water quality monitoring for flood tide on 6 August 2018 was cancelled due to safety reason.

3)Thunderstorm Warning was issued by the Hong Kong Observatory on 10 August 2018. The water quality monitoring for flood tide on 10 August 2018 was cancelled due to safety reason.

4) No. 8 Southeast Gale or Storm Signal and Strong Wind Signal No.3 was issued by Hong Kong Observatory on 17 September 2018. The water quality monitoring for ebb tide and flood tide on 17 September 2018 was cancelled due to safety reason.




Remarks:

1) Thunderstorm Warning was issued by Hong Kong Observatory on 2 July 2018. The water quality monitoring for ebb tide on 2 July 2018 was cancelled due to safety reasons.

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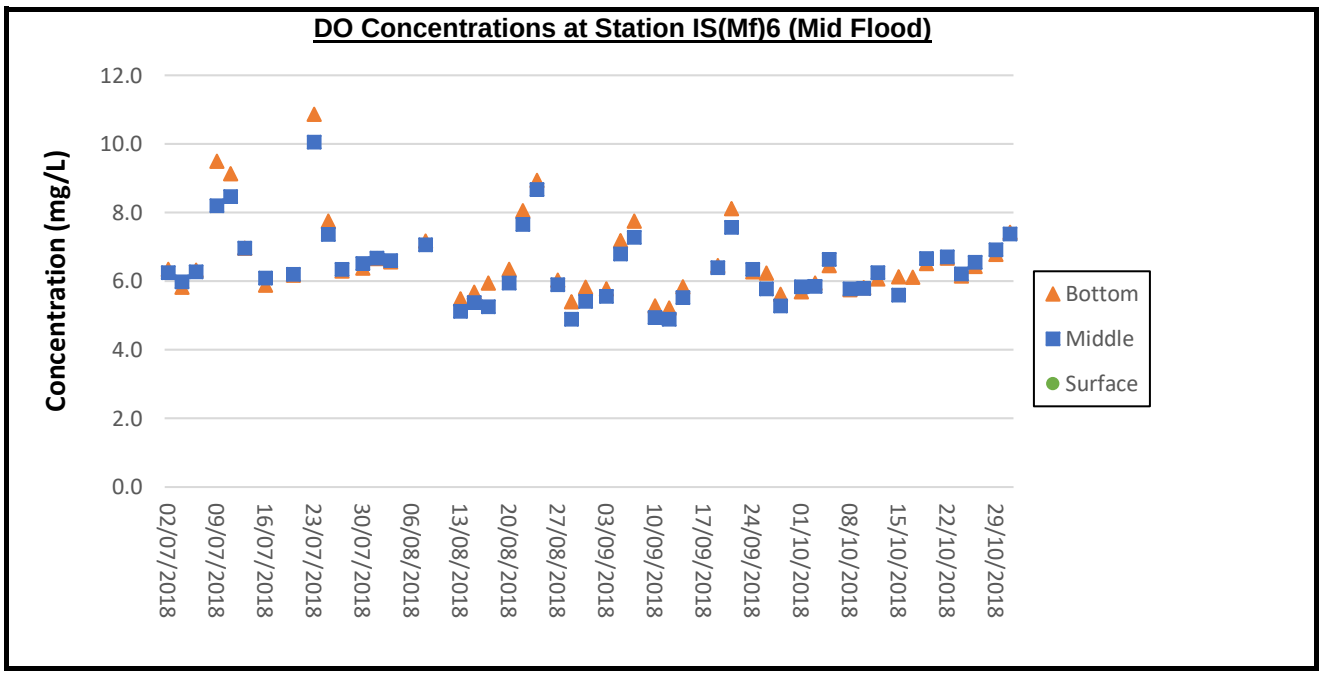
4) No. 8 Southeast Gale or Storm Signal and Strong Wind Signal No.3 was issued by Hong Kong Observatory on 17 September 2018. The water quality monitoring for ebb tide and flood tide on 17 September 2018 was cancelled due to safety reason.




Remarks:

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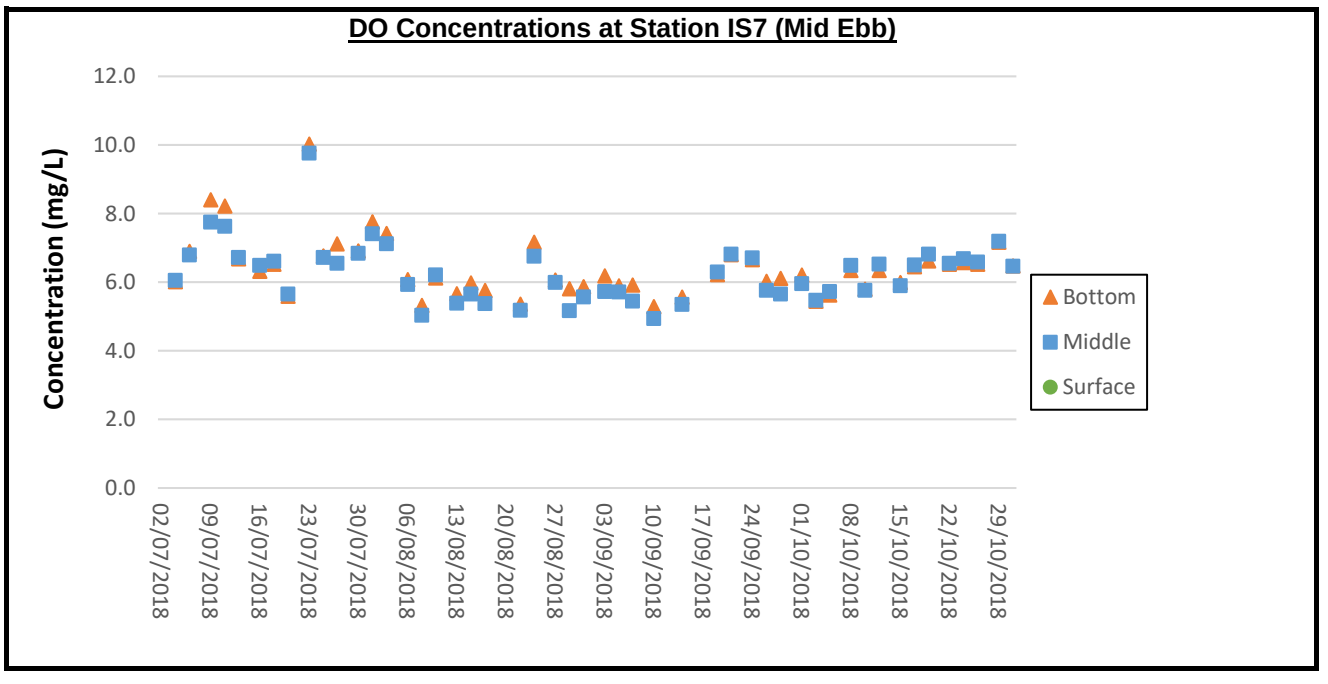


Remarks:

1) Thunderstorm Warning was issued by Hong Kong Observatory on 2 July 2018. The water quality monitoring for ebb tide on 2 July 2018 was cancelled due to safety reasons.

2) Thunderstorm Warning was issued by the Hong Kong Observatory on 20 August 2018. The water quality monitoring for ebb tide on 20 August 2018 was cancelled due to safety reason.

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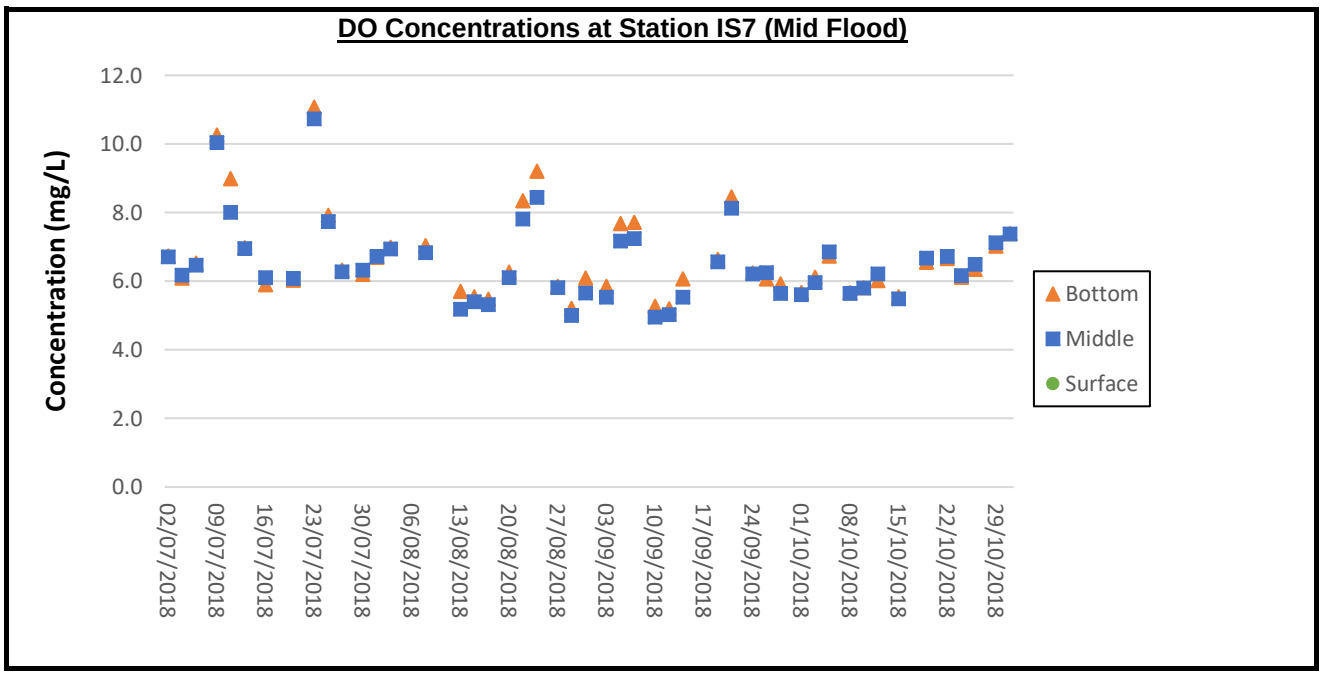
4) No. 8 Southeast Gale or Storm Signal and Strong Wind Signal No.3 was issued by Hong Kong Observatory on 17 September 2018. The water quality monitoring for ebb tide and flood tide on 17 September 2018 was cancelled due to safety reason.




Remarks:

1) As the Strong Wind Signal No.3 was hoisted and Thunderstorm Warning was issued by Hong Kong Observatory. The water quality monitoring for flood tide on 18 July 2018 was cancelled due to safety reasons.

2)Thunderstorm Warning was issued by the Hong Kong Observatory on 6 August 2018. Except for water quality monitoring of flood tide at stations CS2(A), SR3(N) and IS5, the water quality monitoring for flood tide on 6 August 2018 was cancelled due to safety reason.

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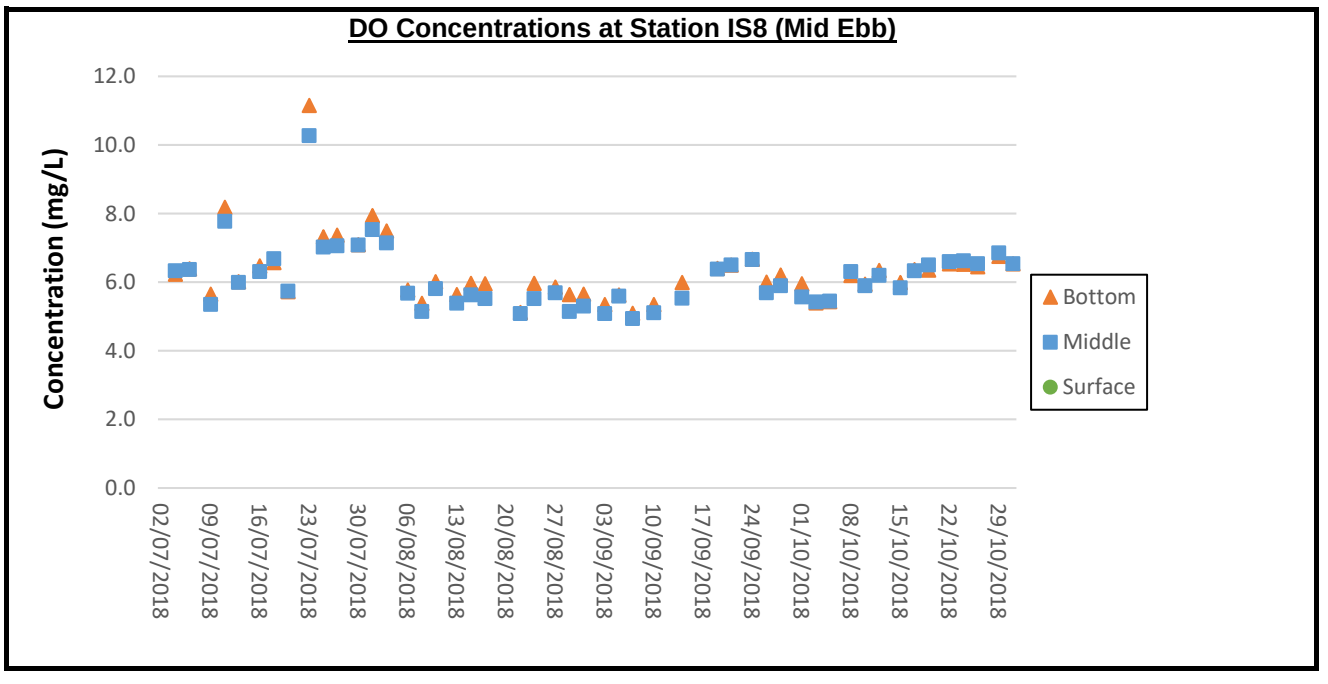


Remarks:

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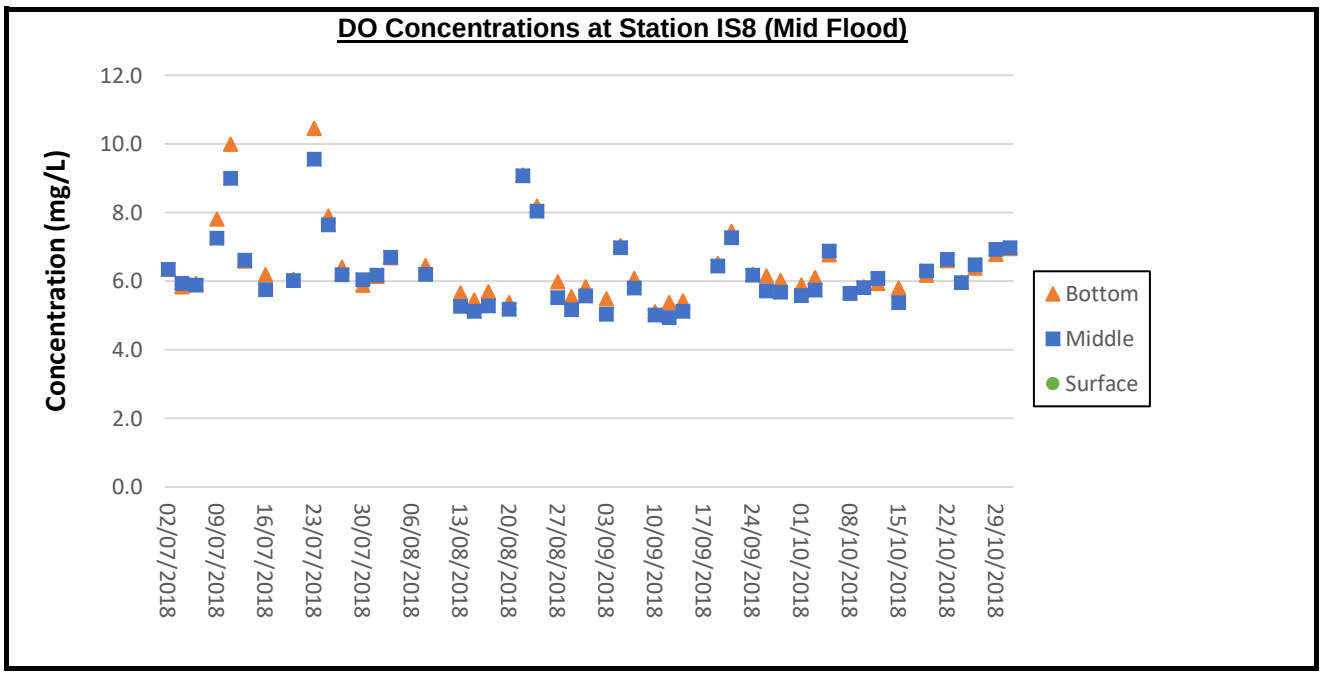
2) Thunderstorm Warning was issued by the Hong Kong Observatory on 20 August 2018. The water quality monitoring for ebb tide on 20 August 2018 was cancelled due to safety reason.

3)As the Strong Wind Signal No.3 was issued by Hong Kong Observatory in the afternoon of 12 September 2018. The water quality monitoring for ebb tide on 12 September 2018 was cancelled due to safety reason.

4) No. 8 Southeast Gale or Storm Signal and Strong Wind Signal No.3 was issued by Hong Kong Observatory on 17 September 2018. The water quality monitoring for ebb tide and flood tide on 17 September 2018 was cancelled due to safety reason.




Remarks:

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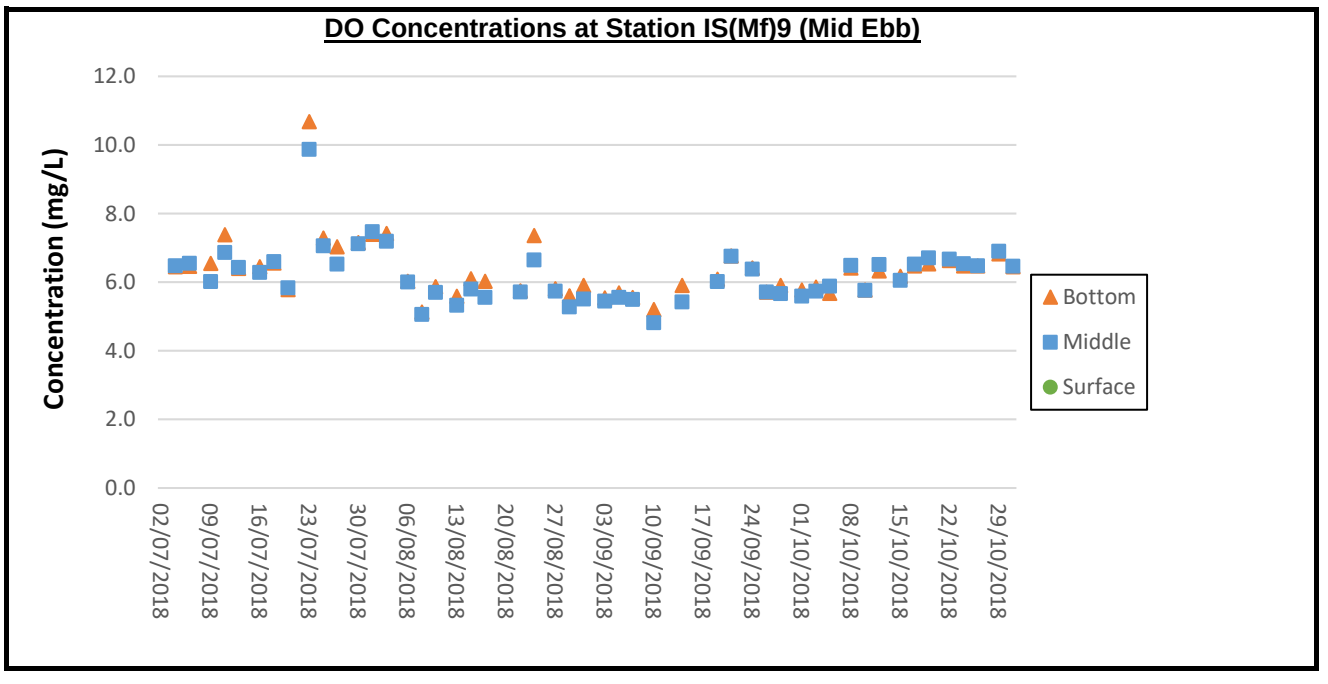
4) No. 8 Southeast Gale or Storm Signal and Strong Wind Signal No.3 was issued by Hong Kong Observatory on 17 September 2018. The water quality monitoring for ebb tide and flood tide on 17 September 2018 was cancelled due to safety reason.




Remarks:

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2) Thunderstorm Warning was issued by the Hong Kong Observatory on 20 August 2018. The water quality monitoring for ebb tide on 20 August 2018 was cancelled due to safety reason.

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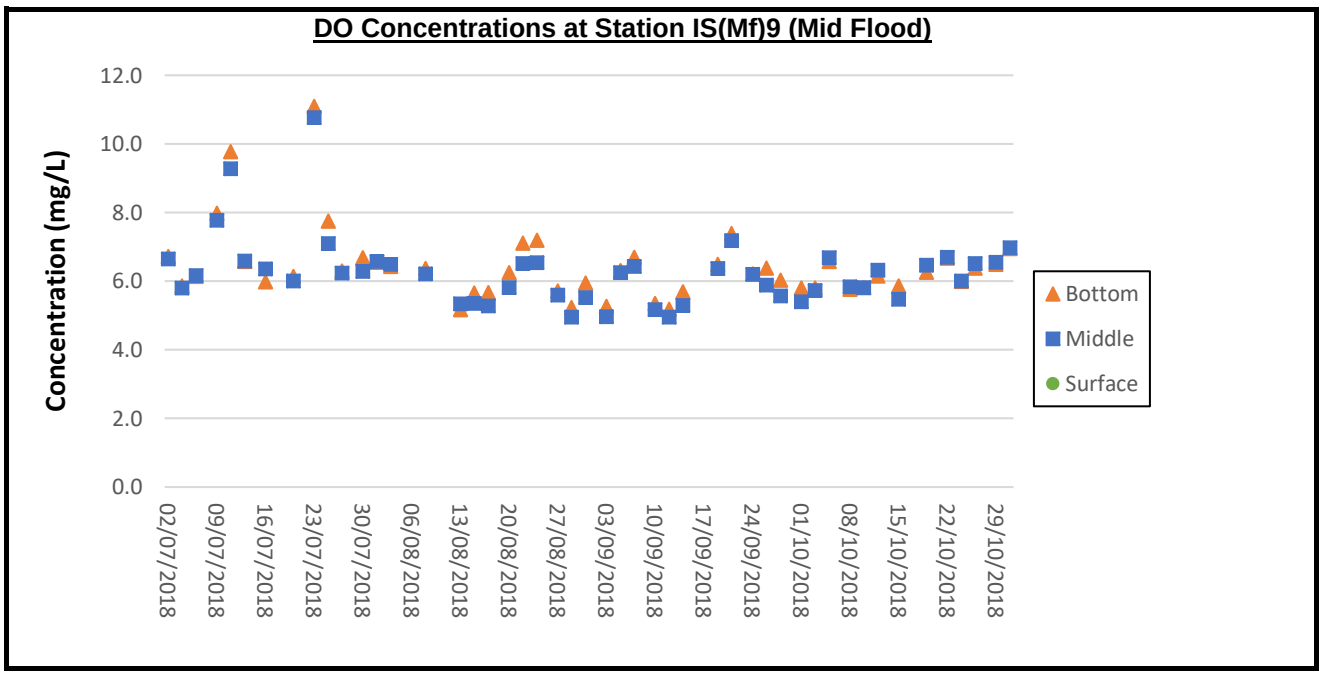


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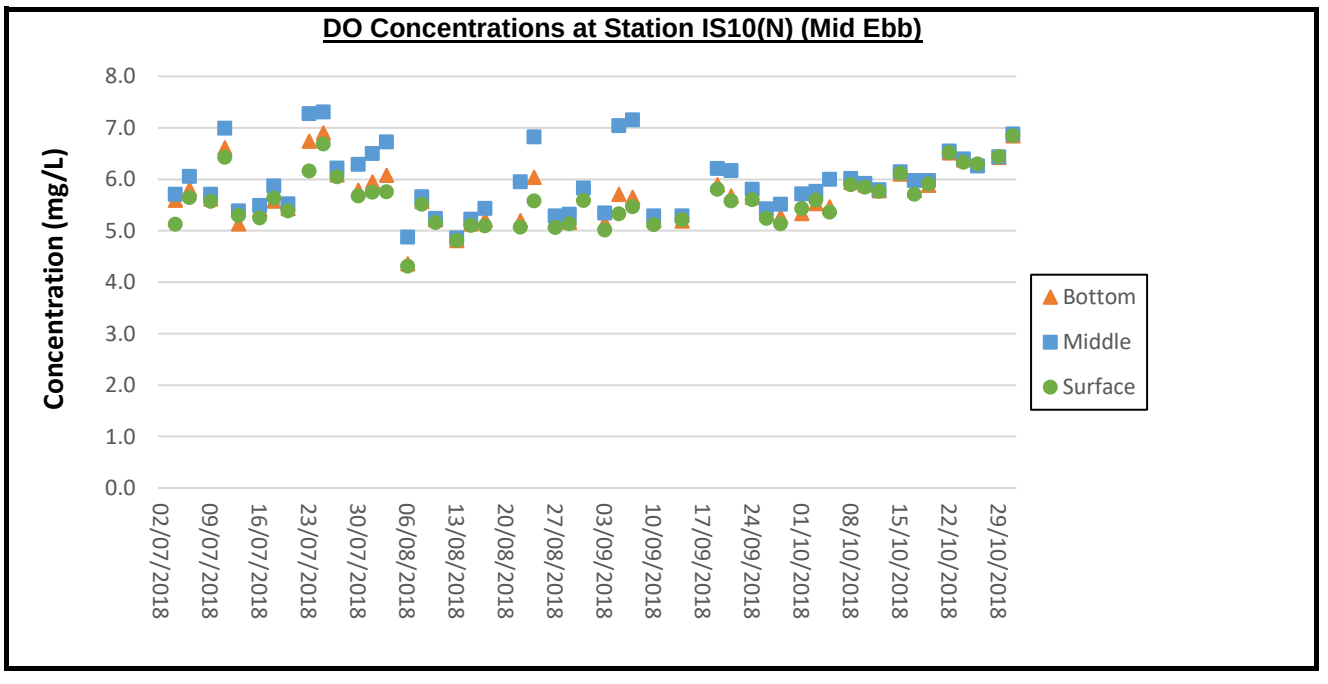


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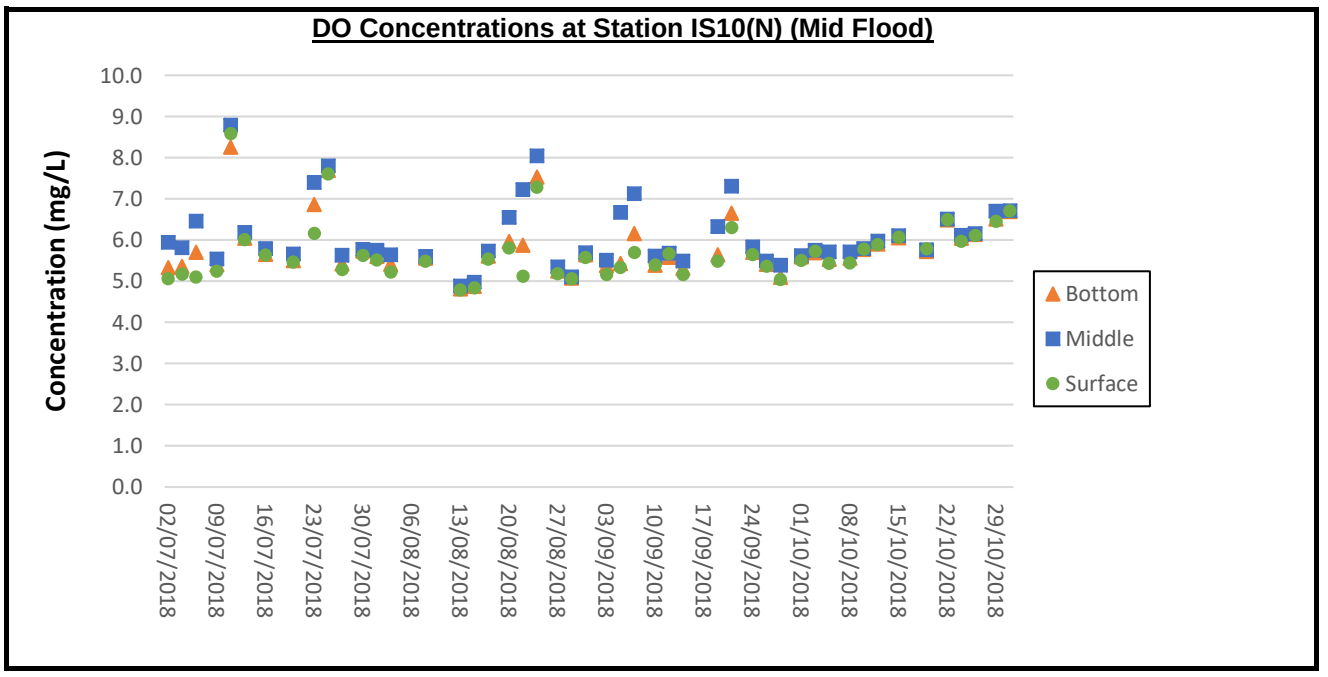


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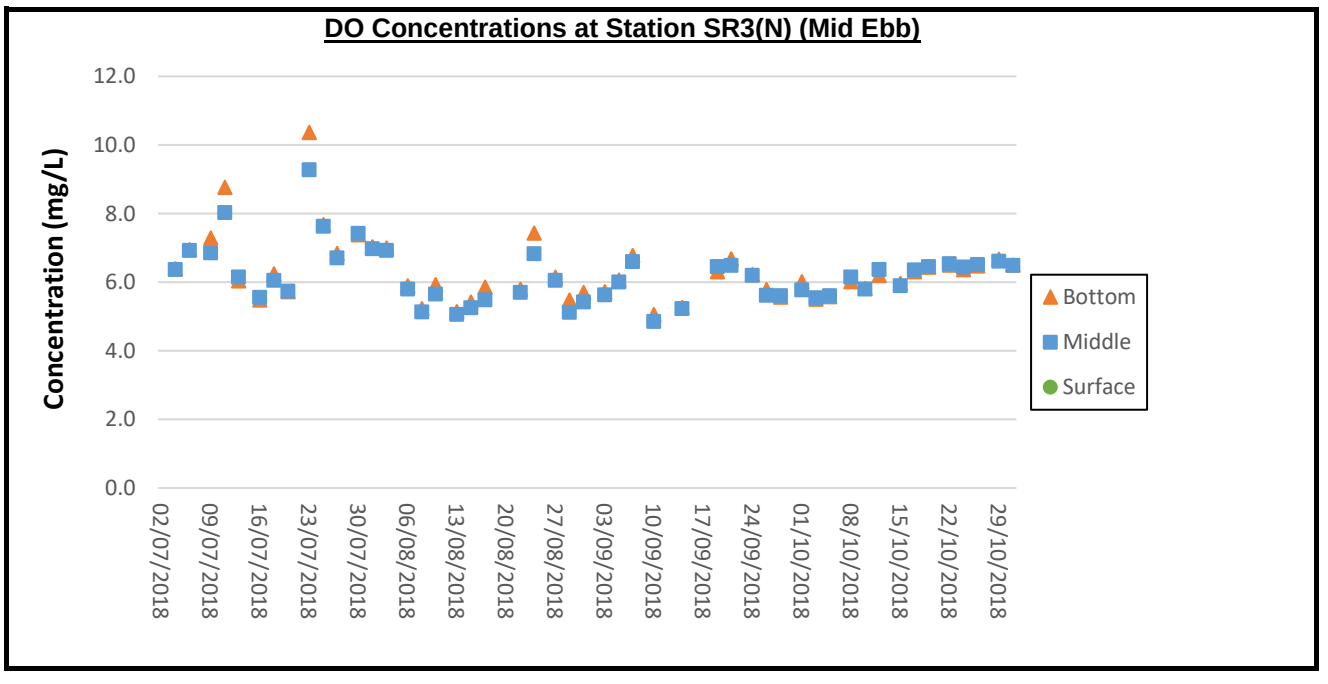


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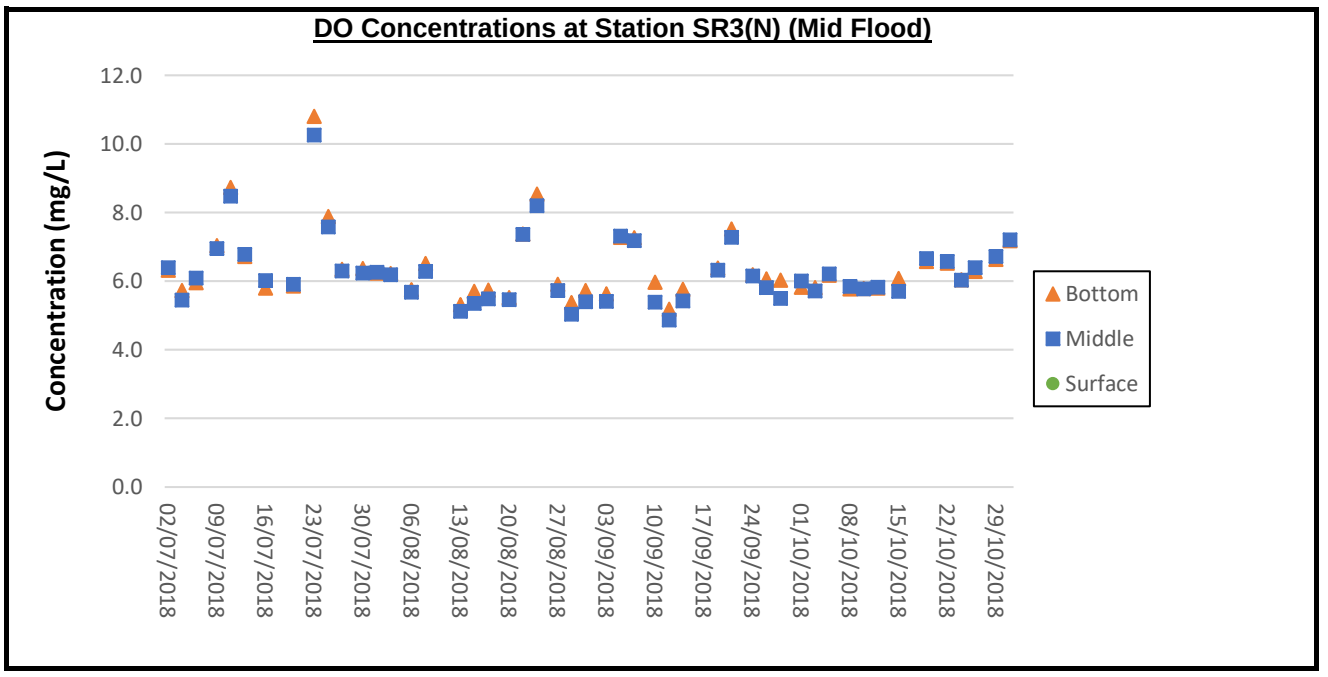


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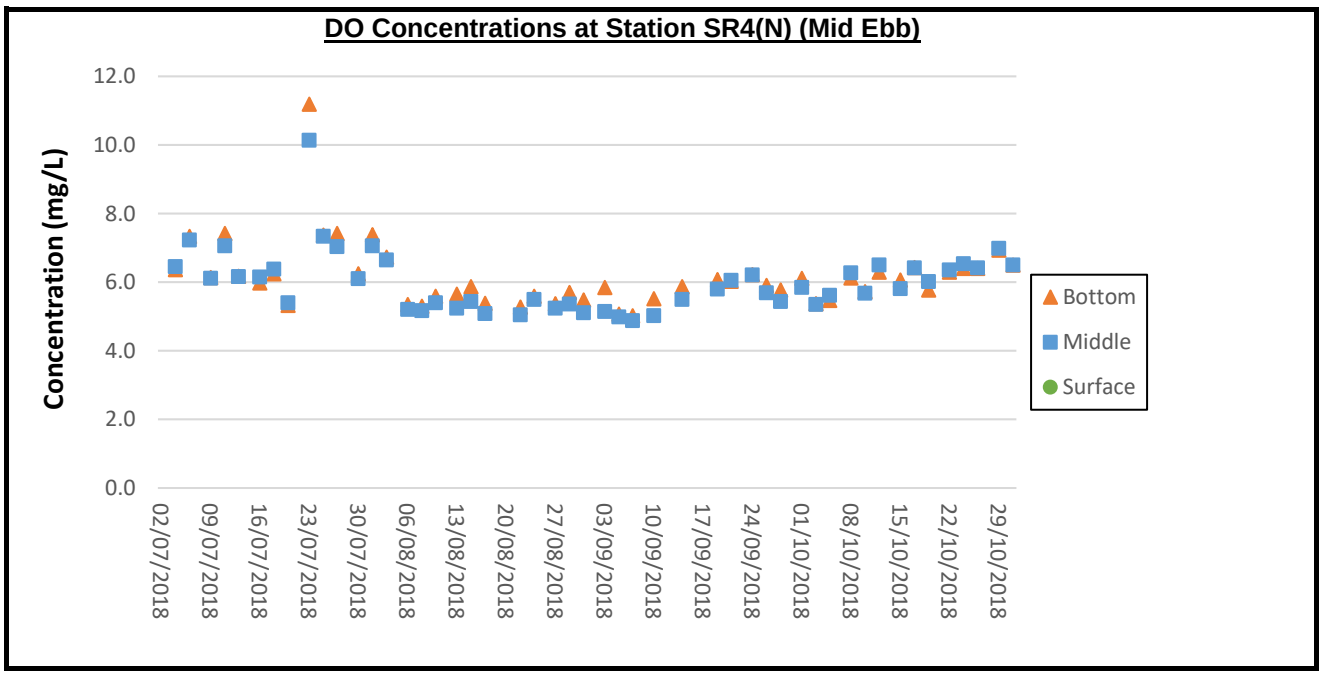


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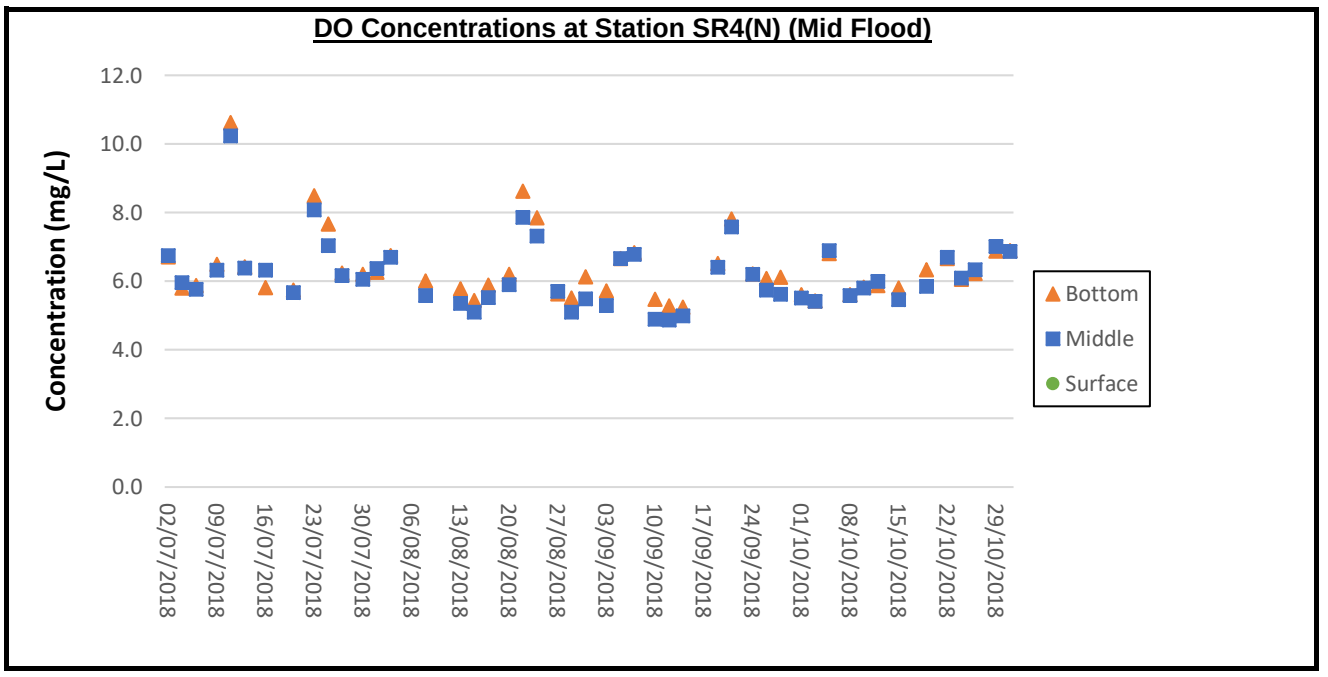


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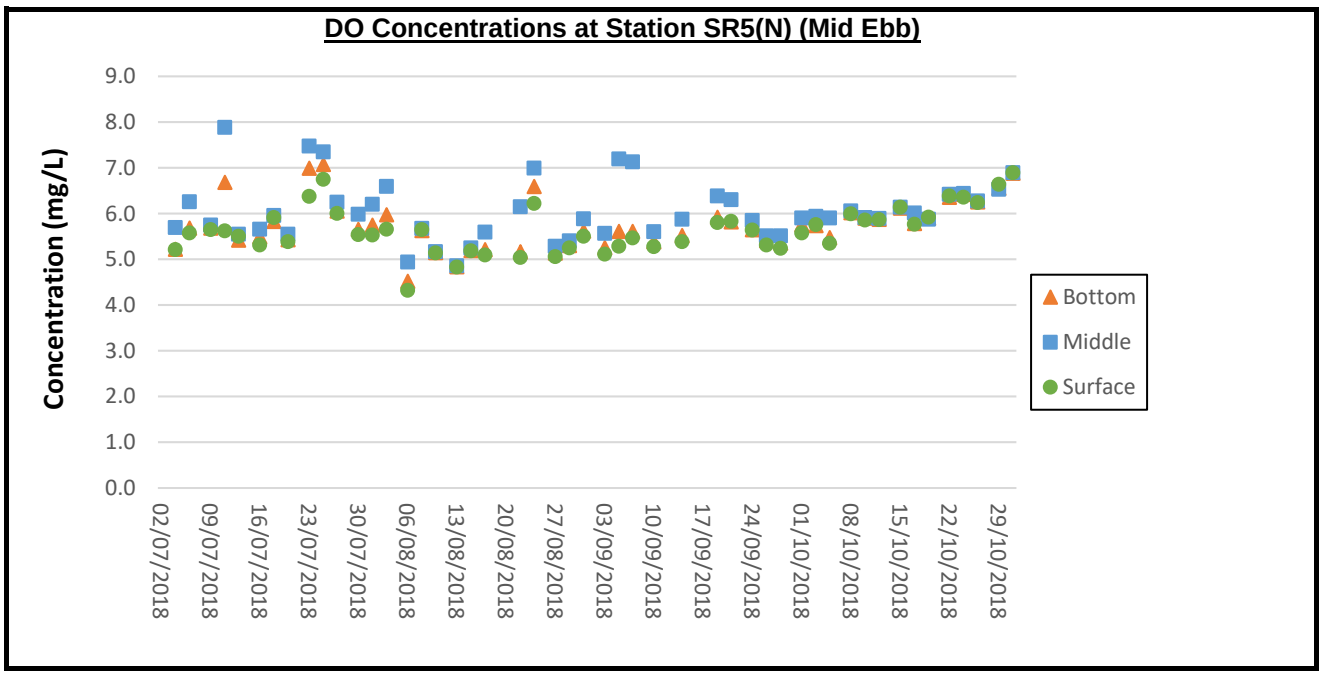


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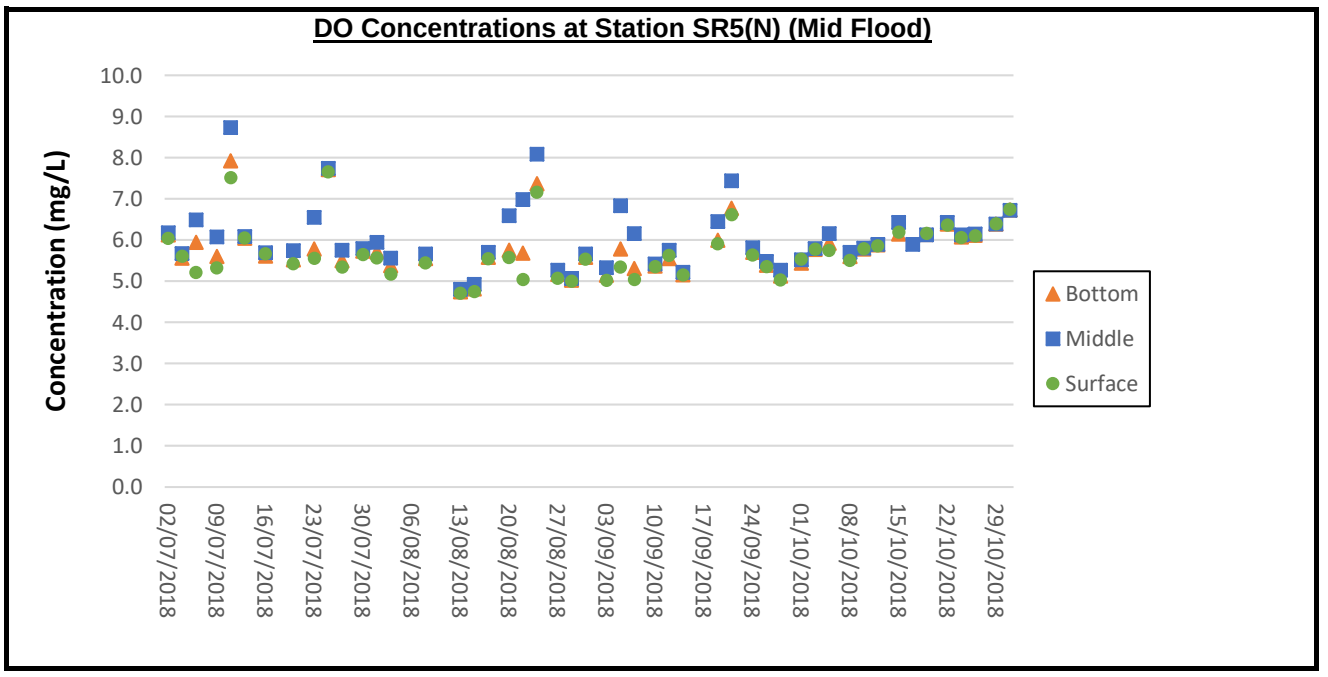


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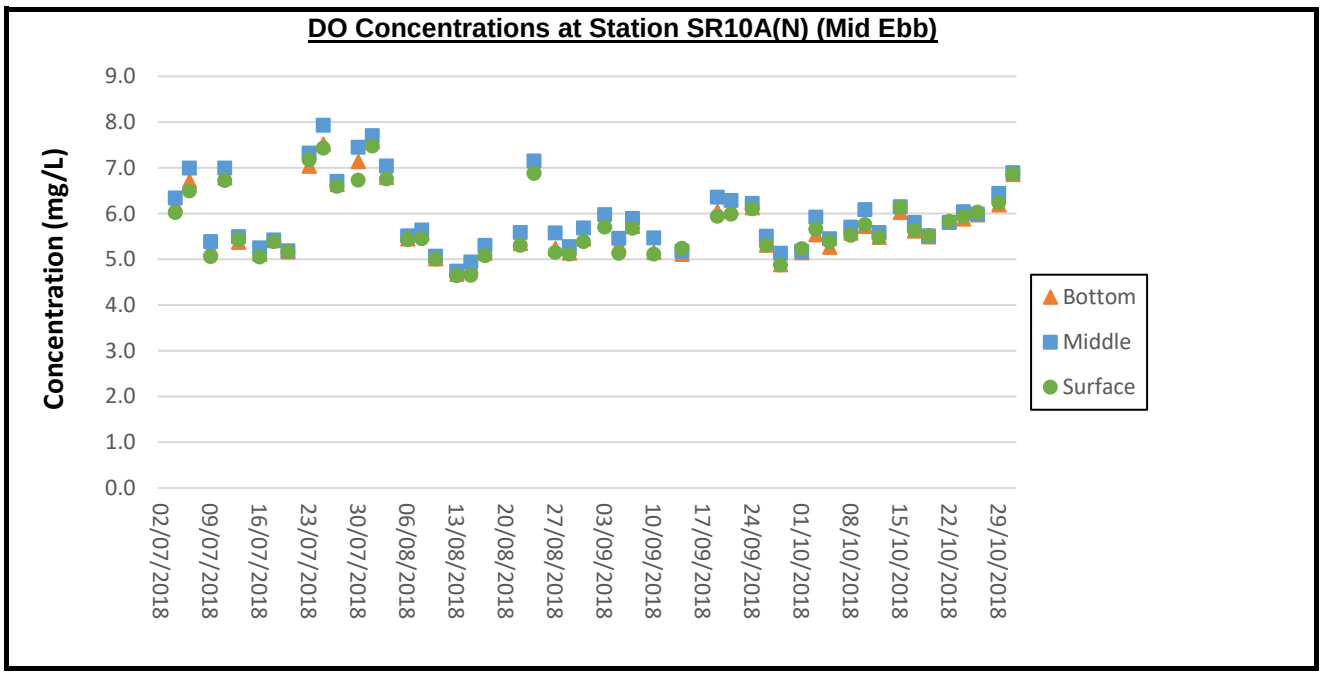


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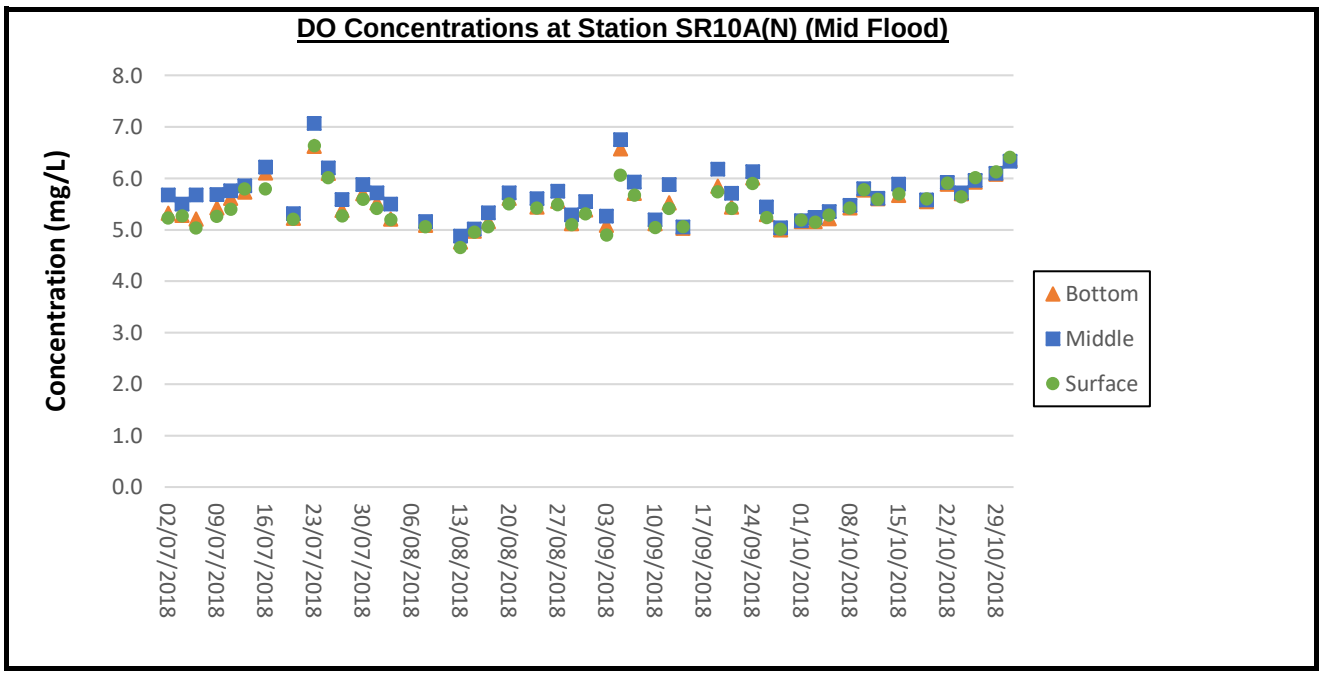


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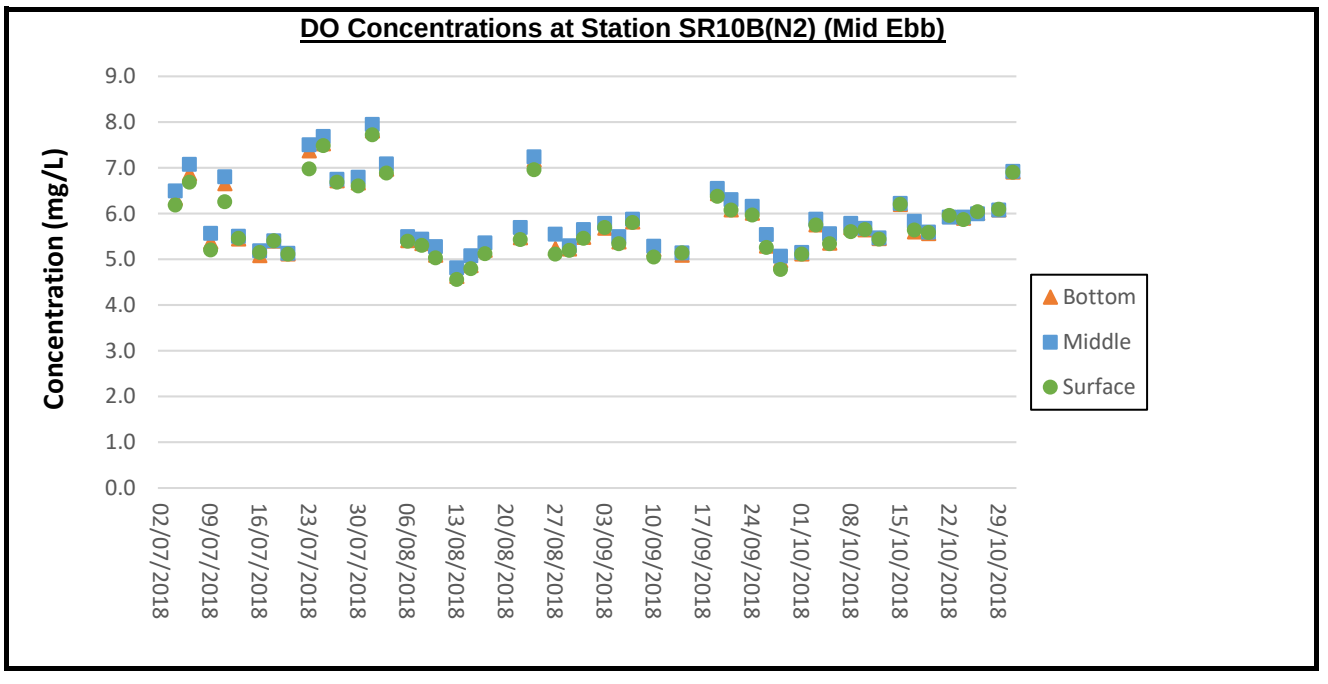


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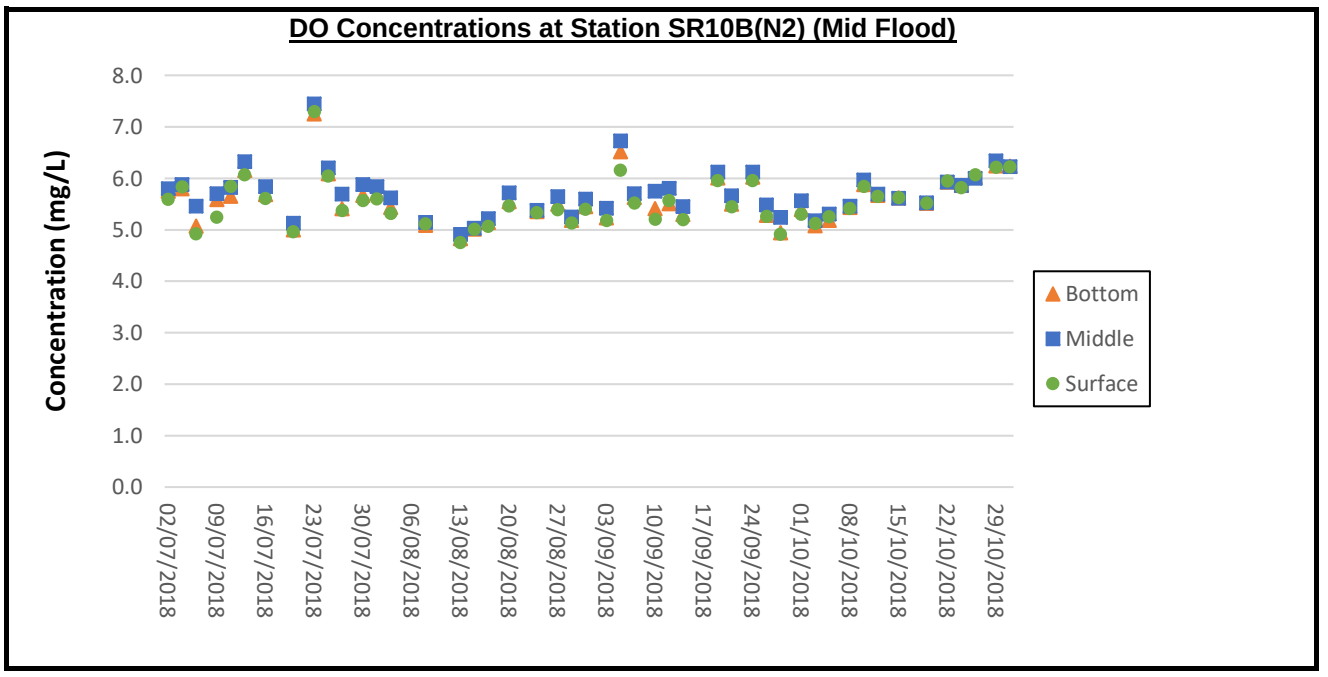


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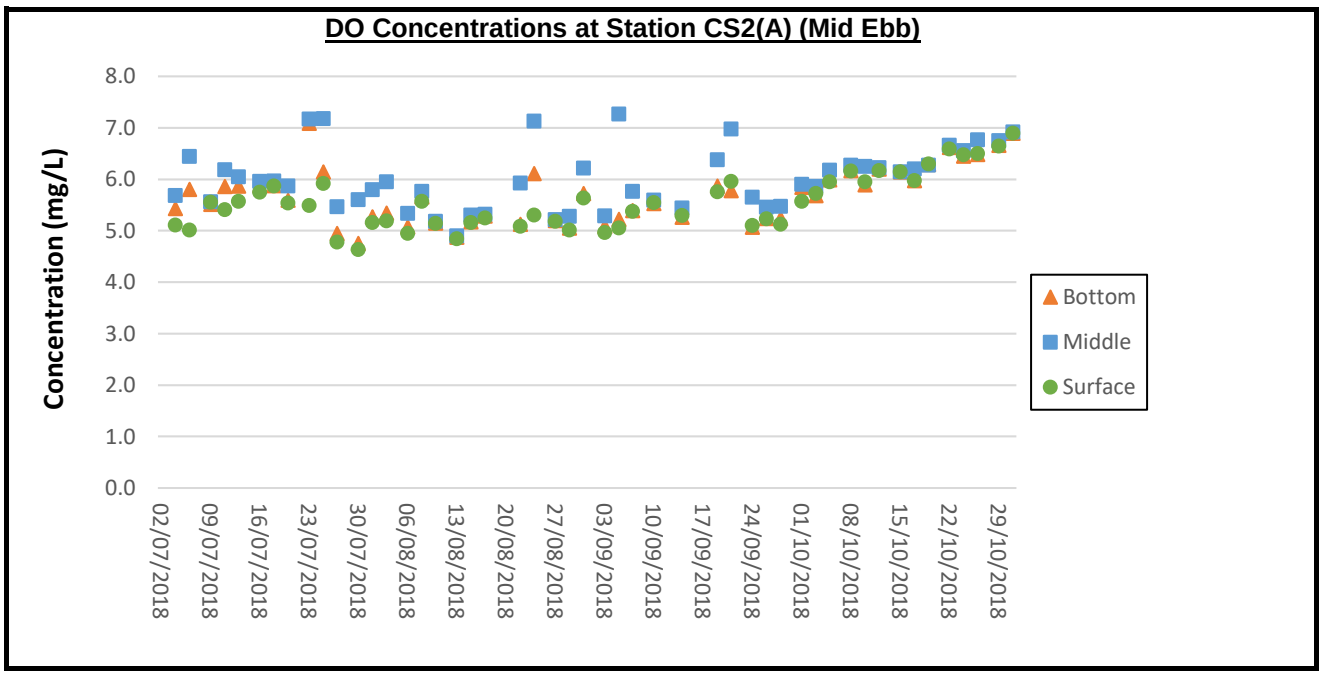


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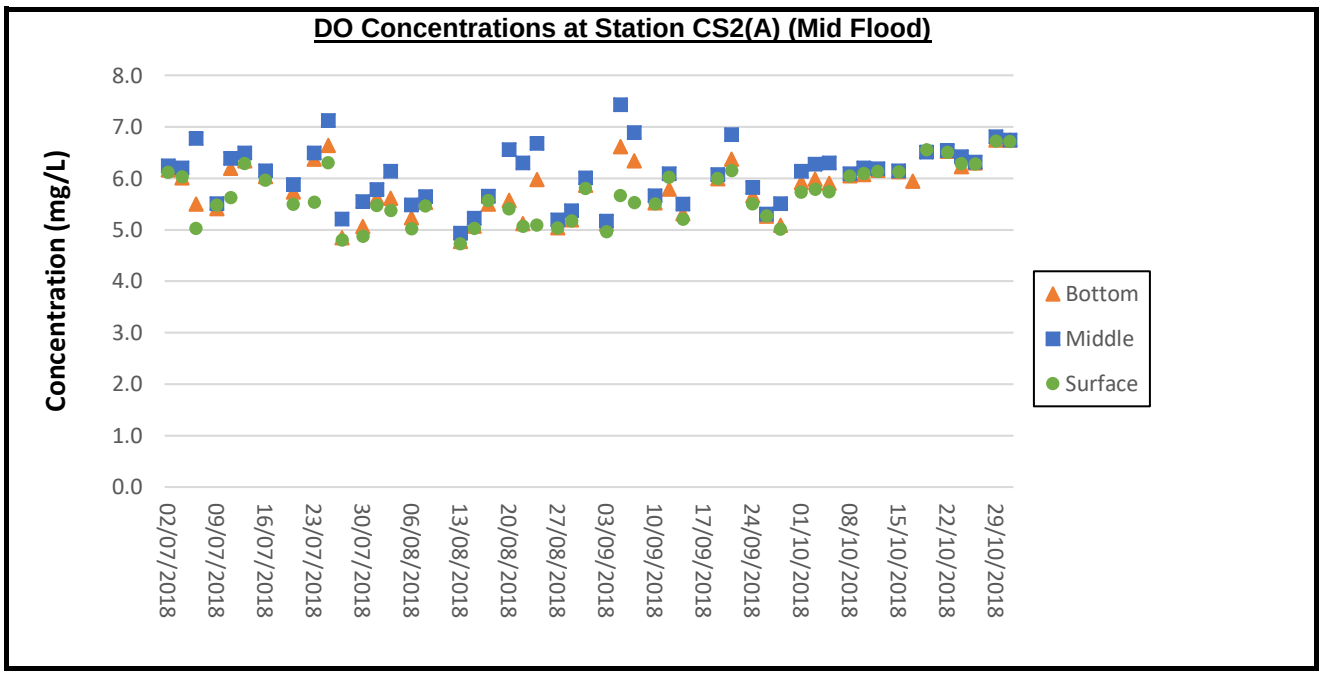


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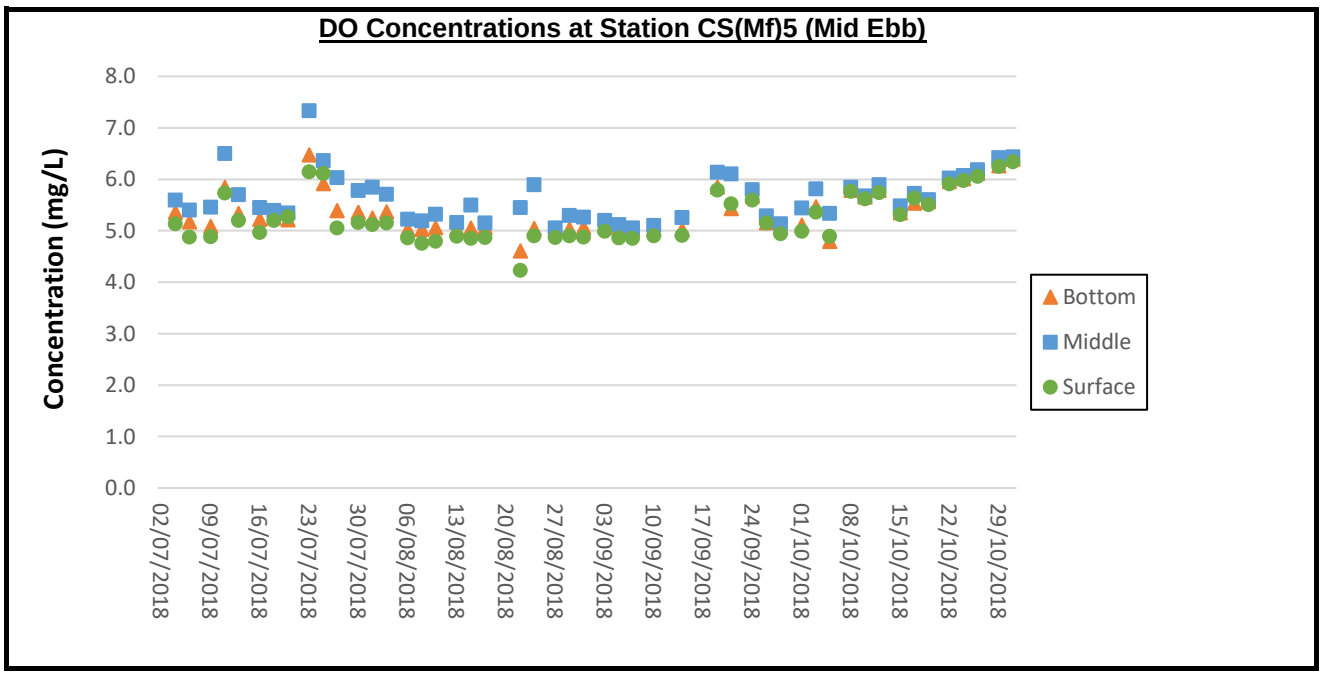


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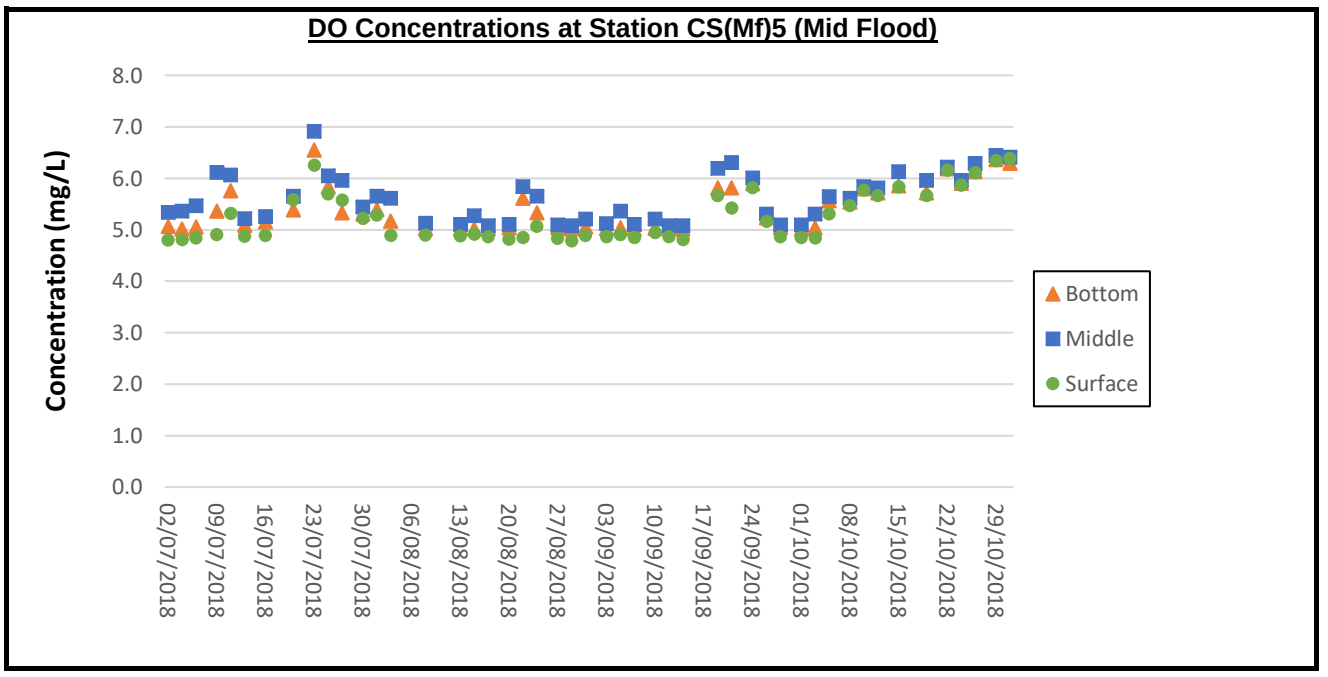


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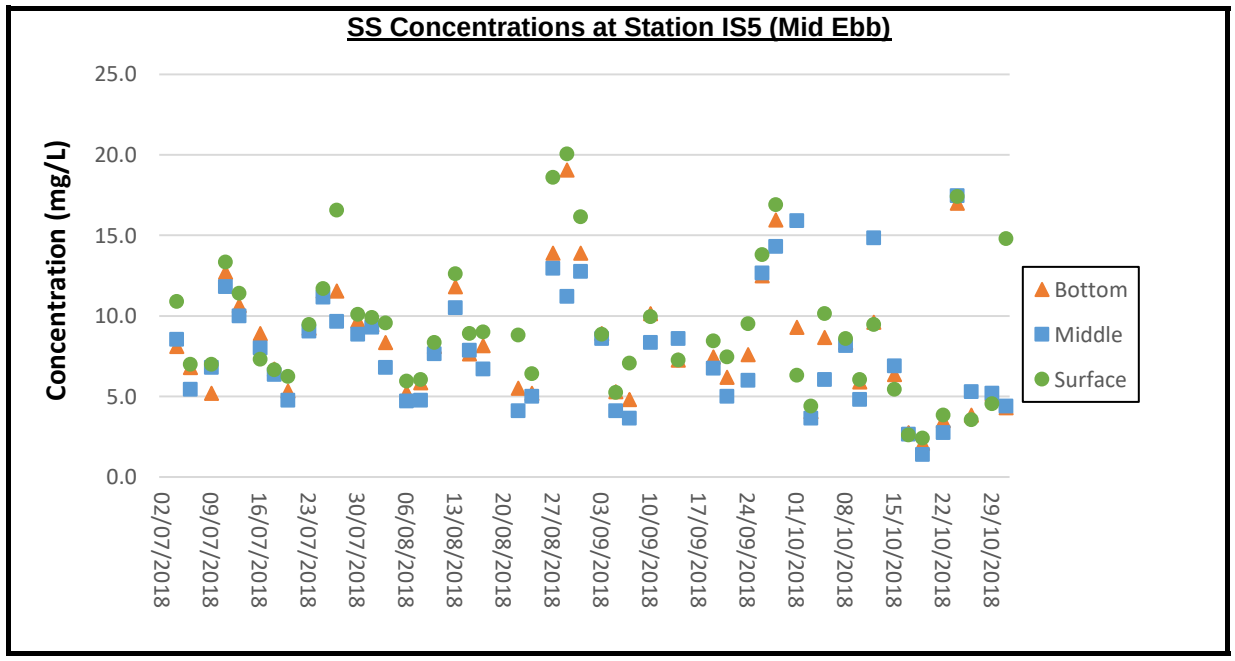


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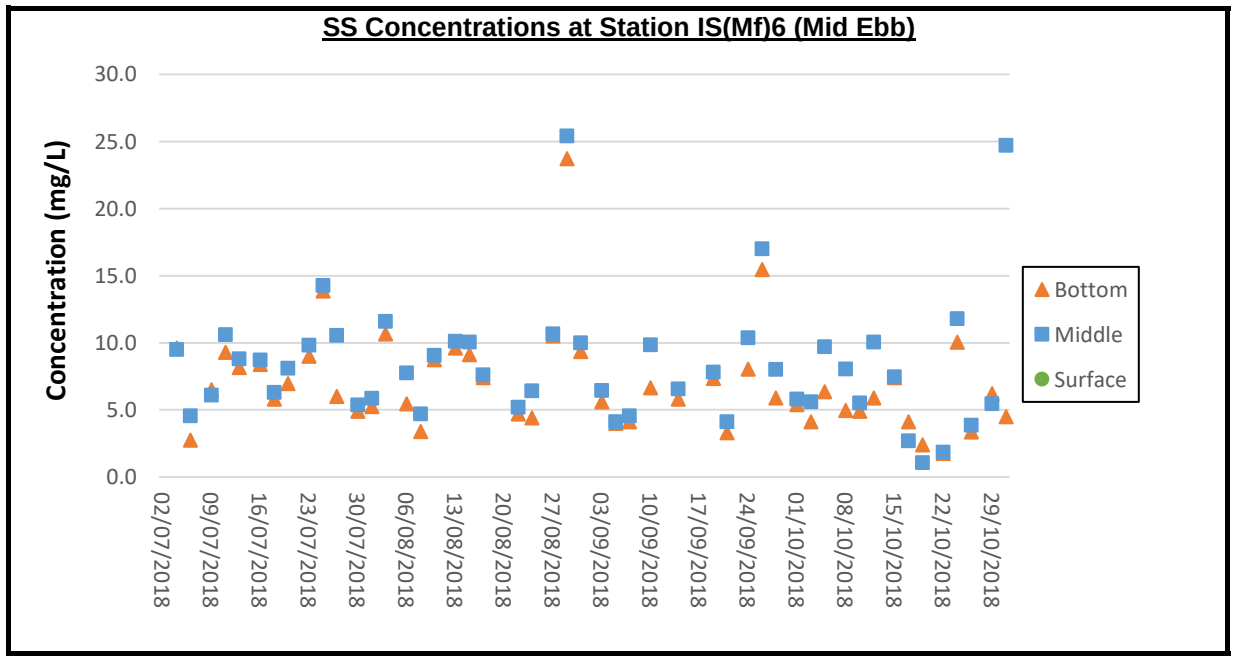


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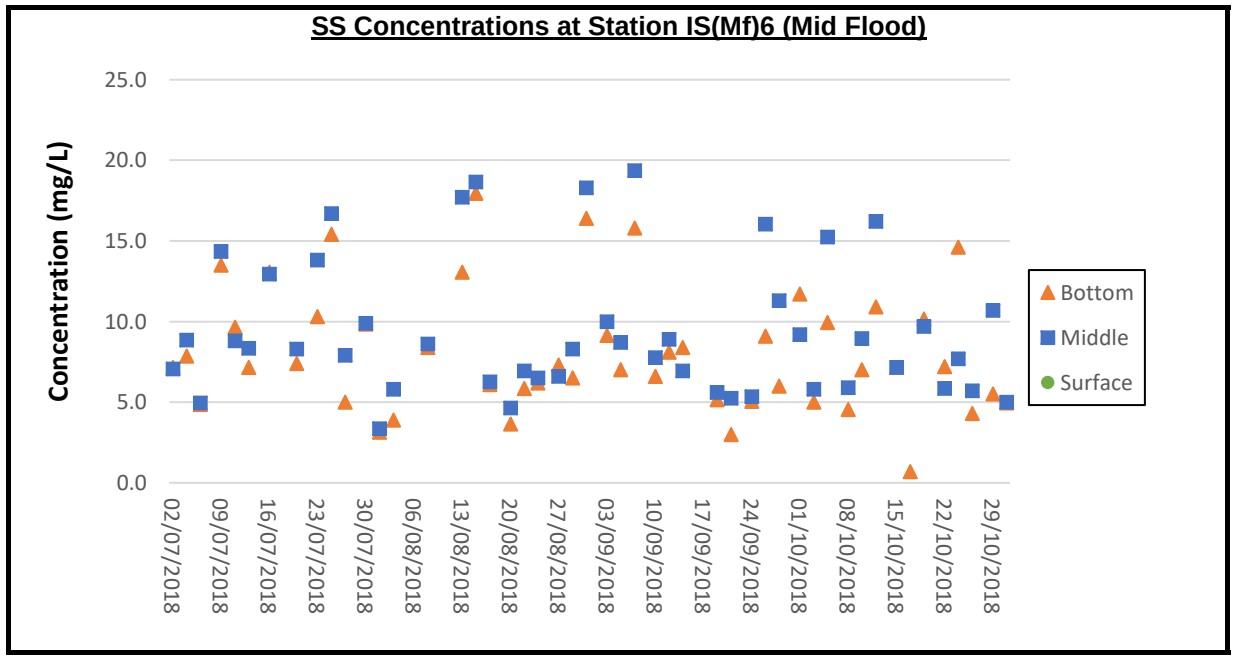


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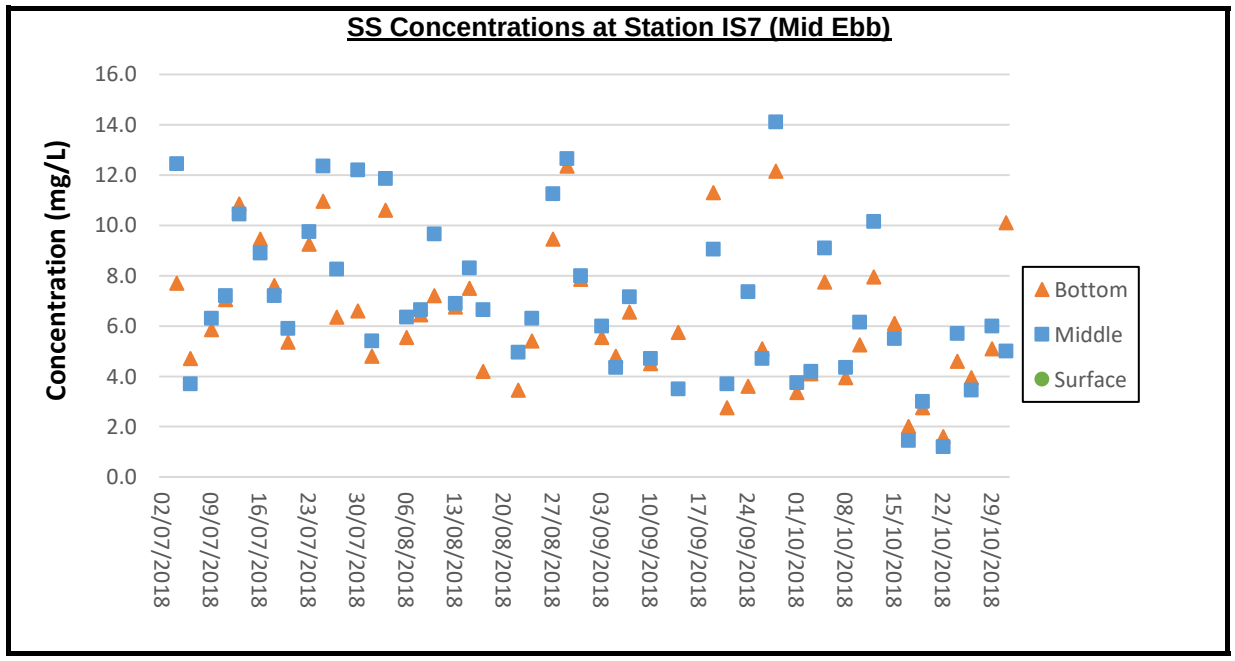


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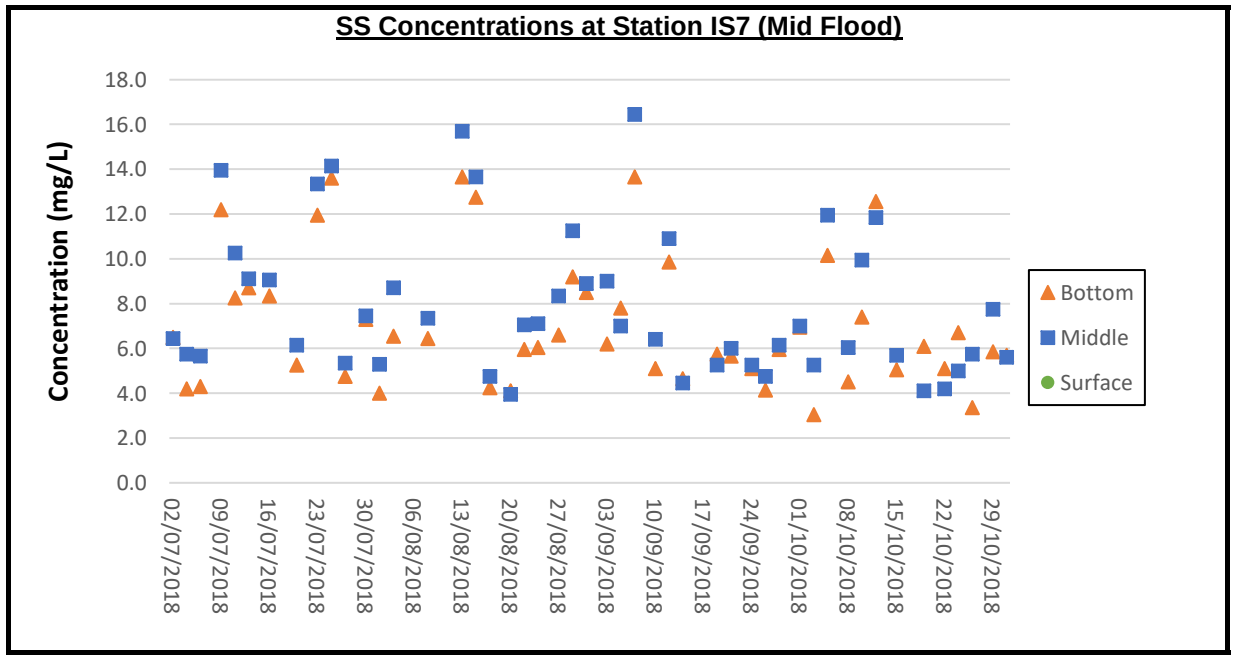


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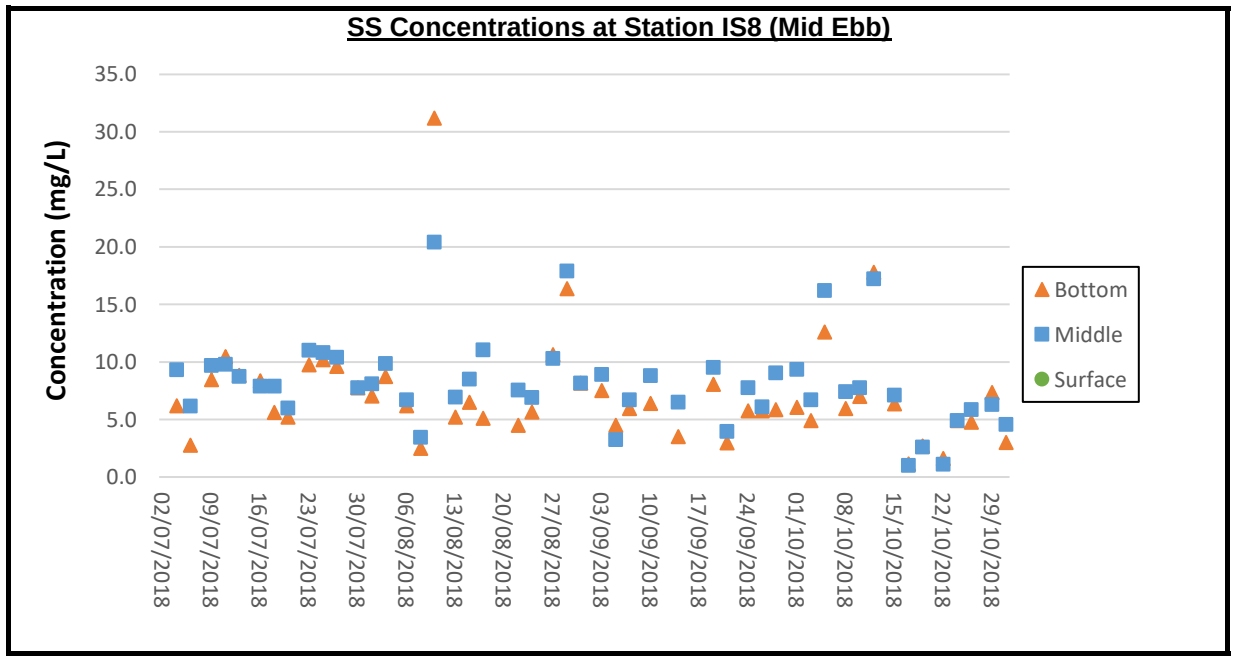


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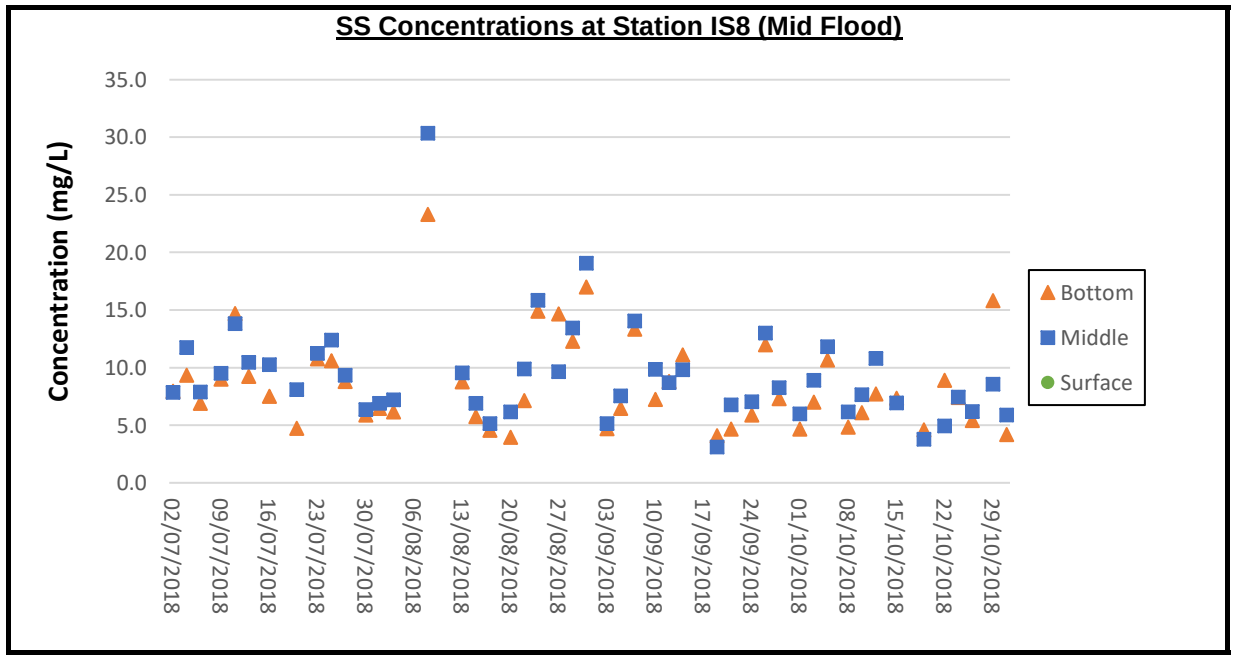


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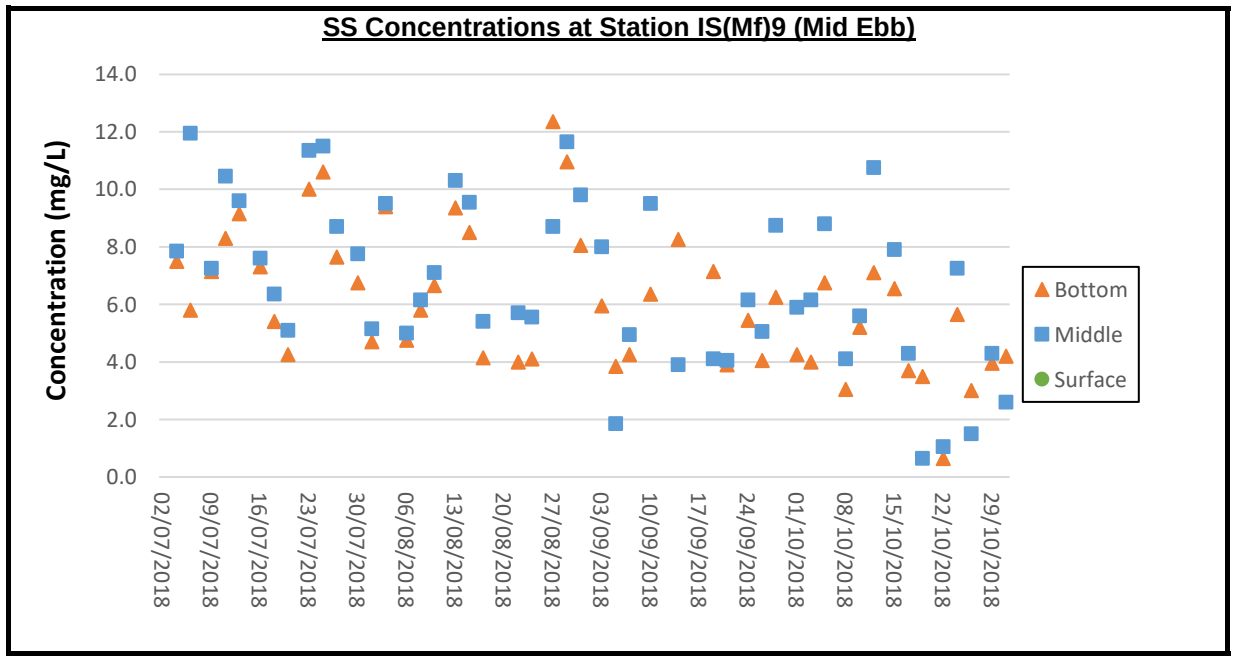


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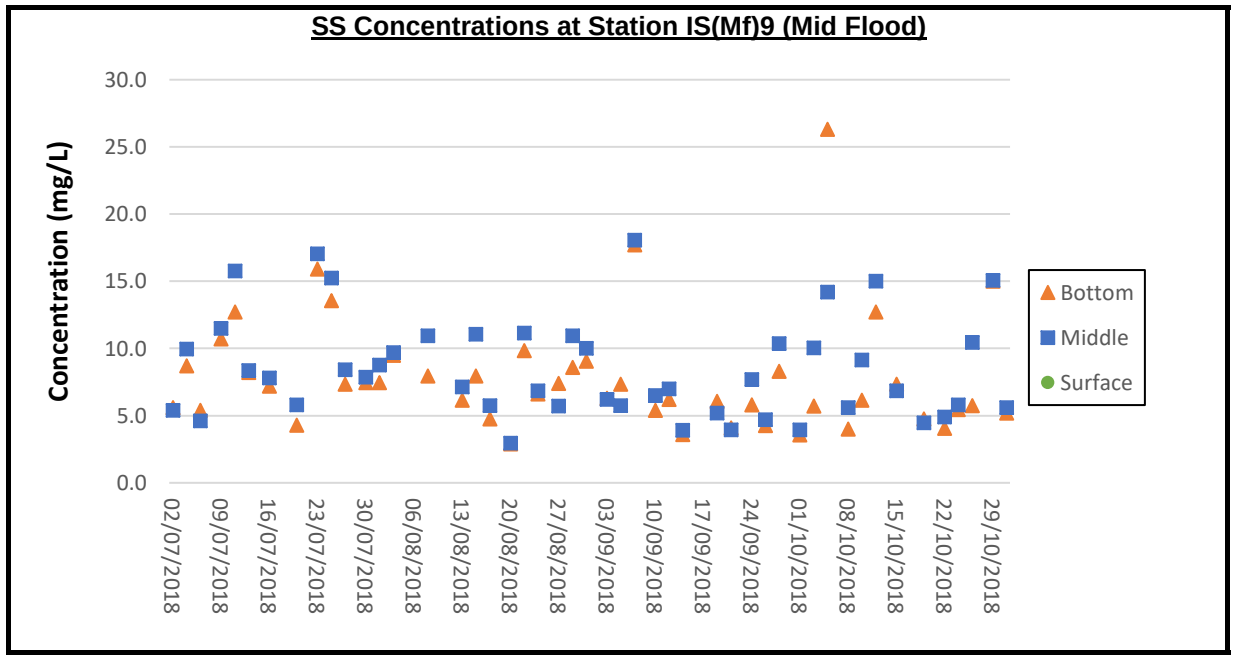


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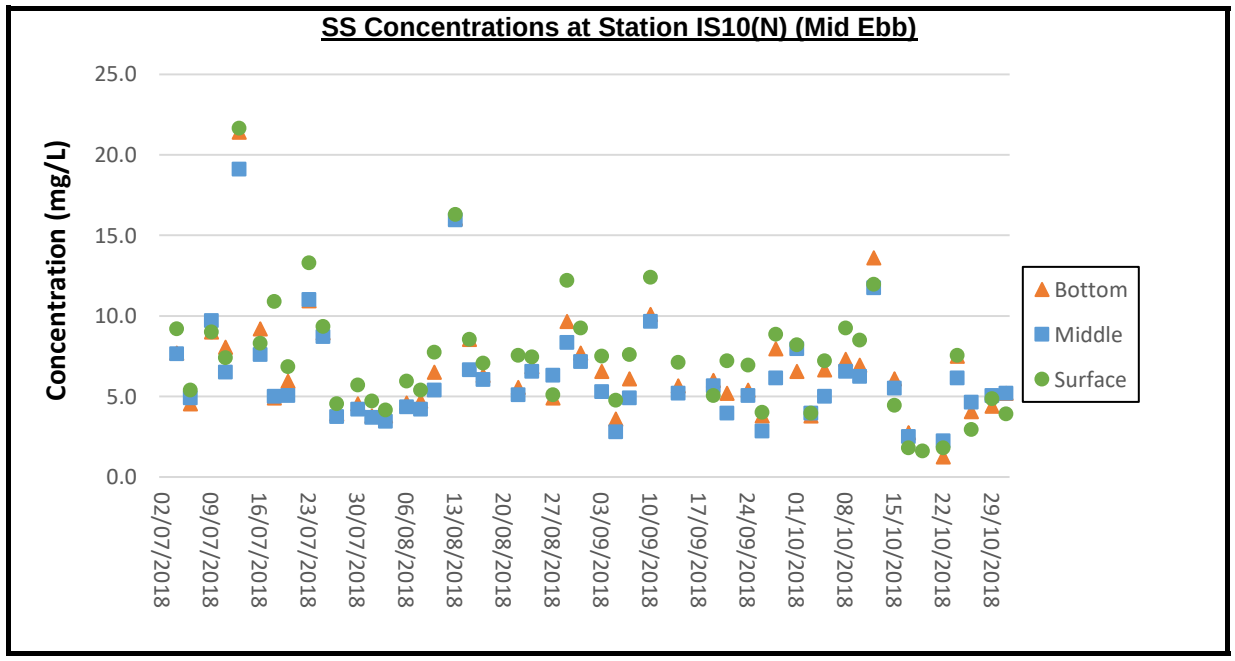


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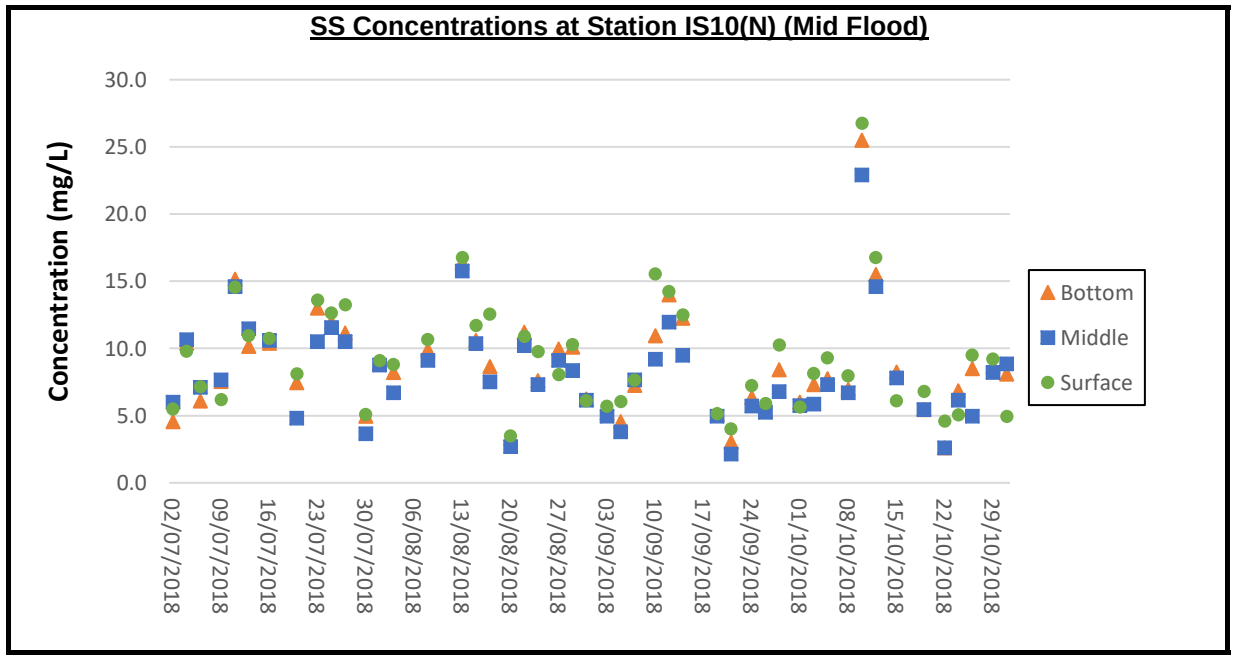


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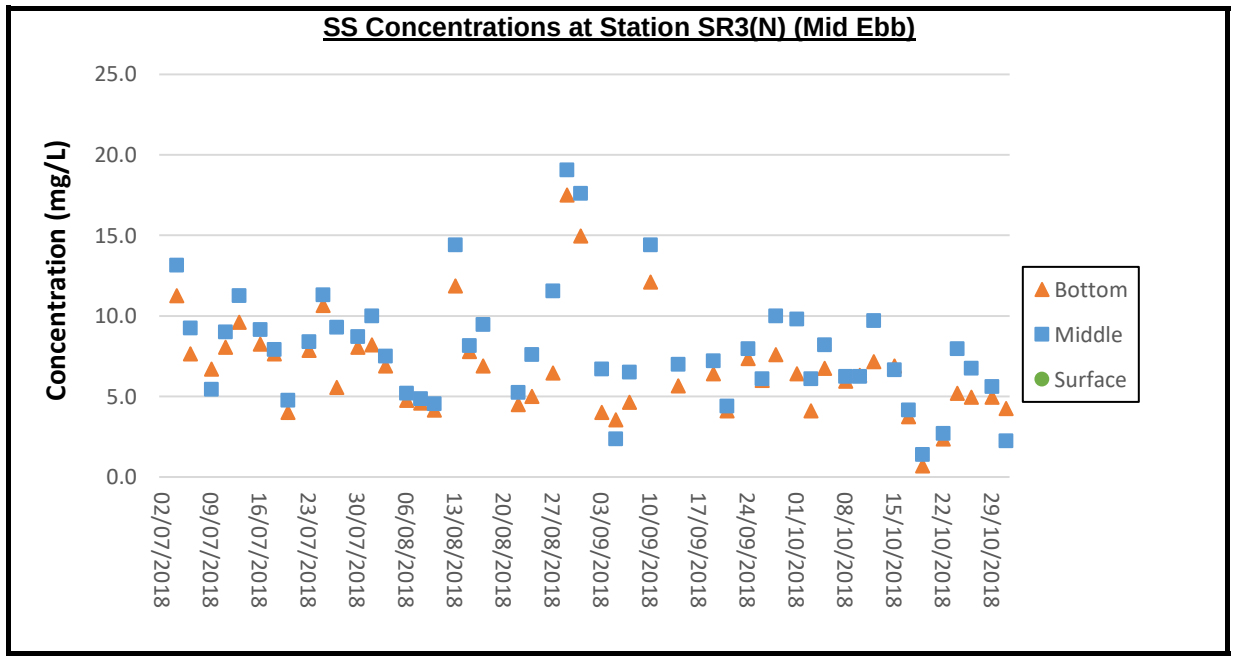


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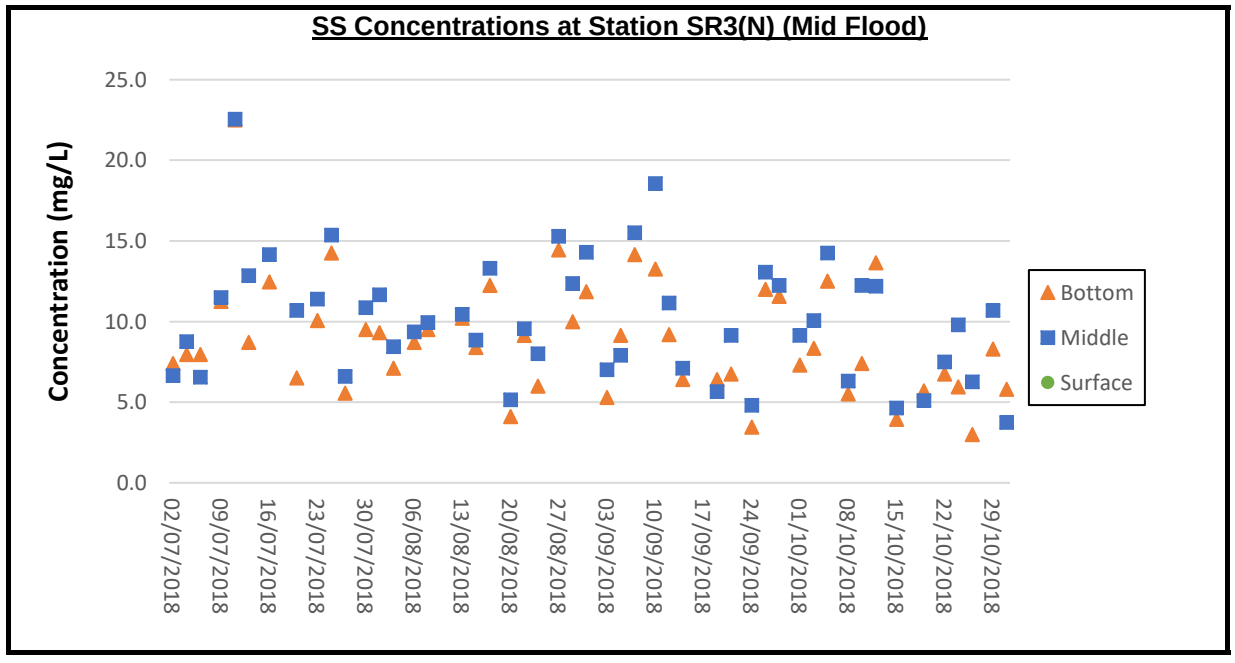


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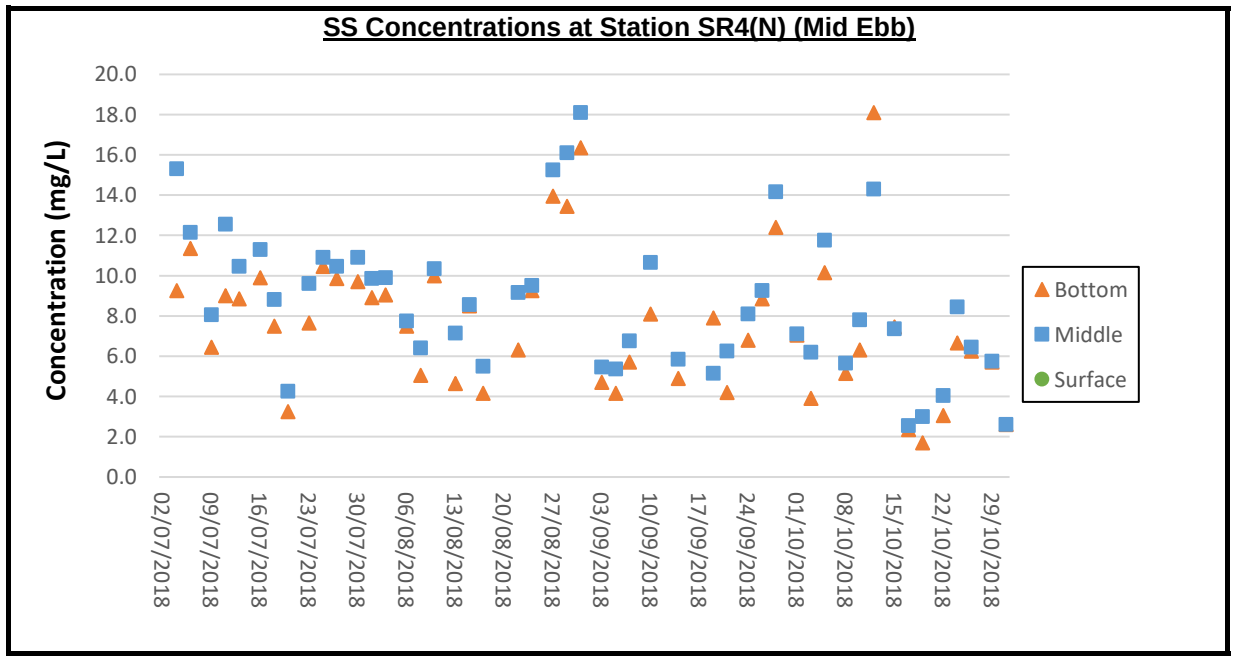


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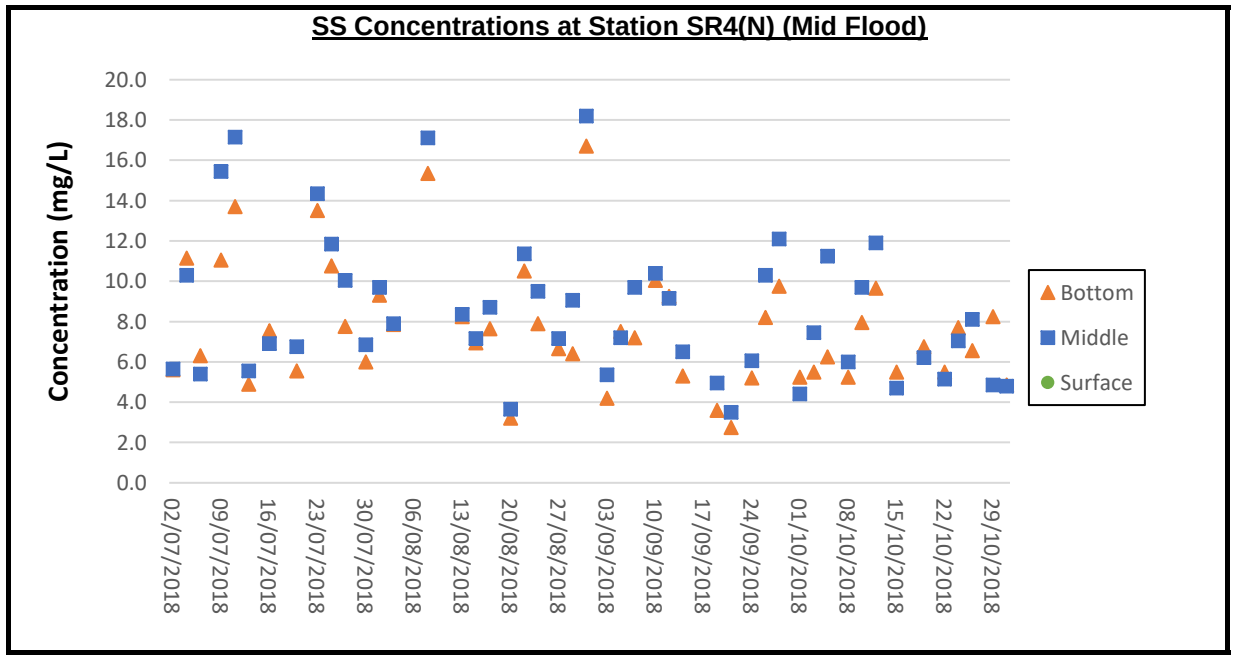


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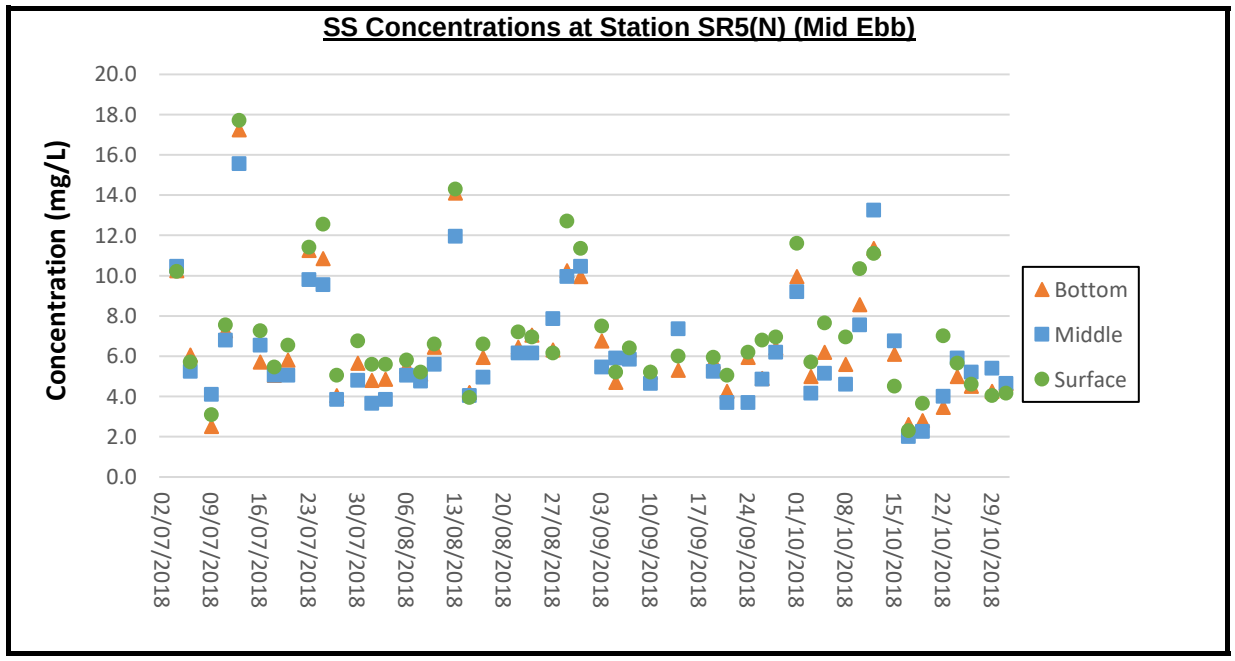


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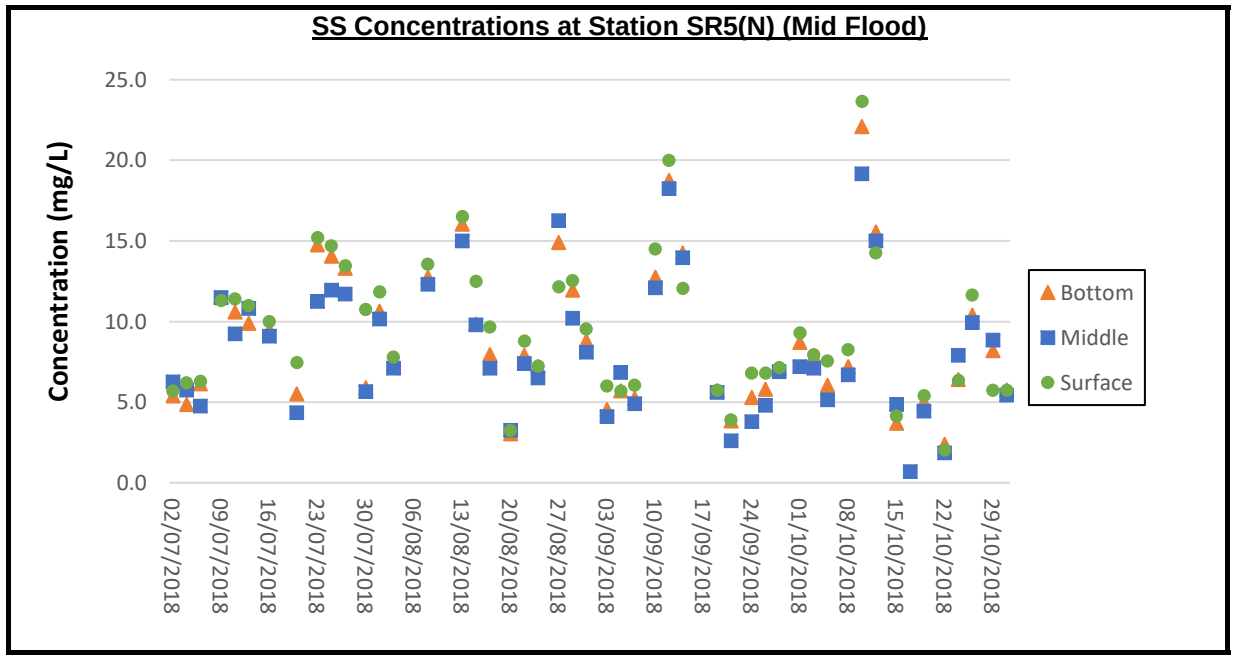


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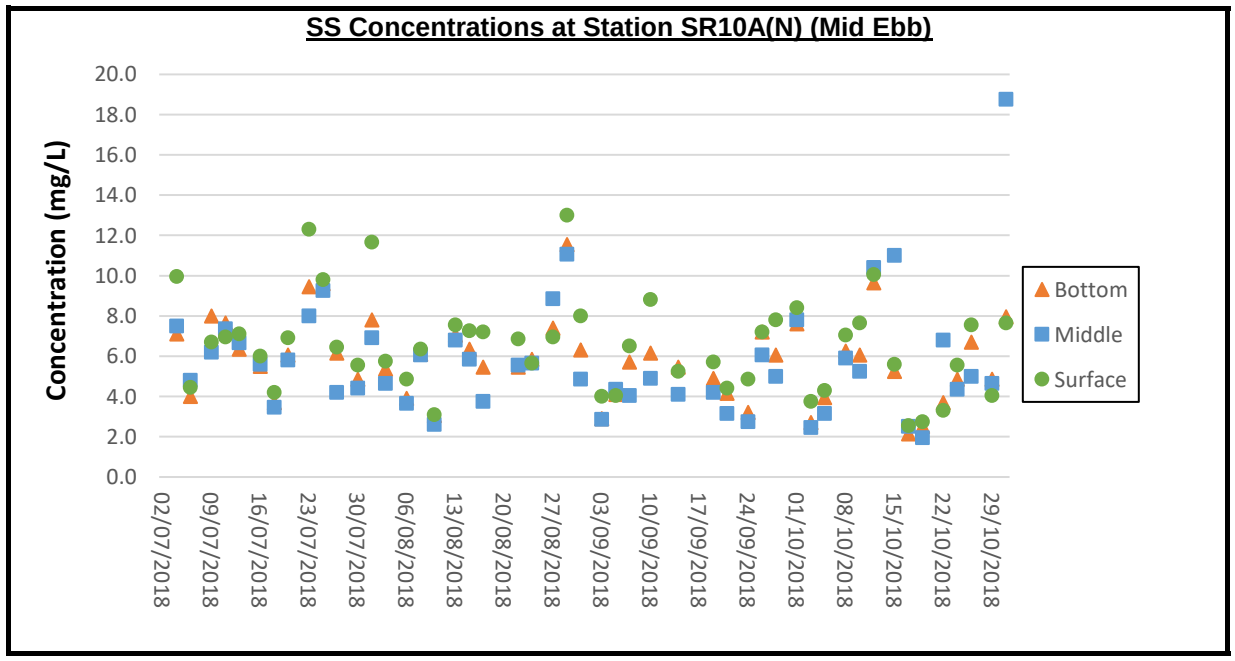


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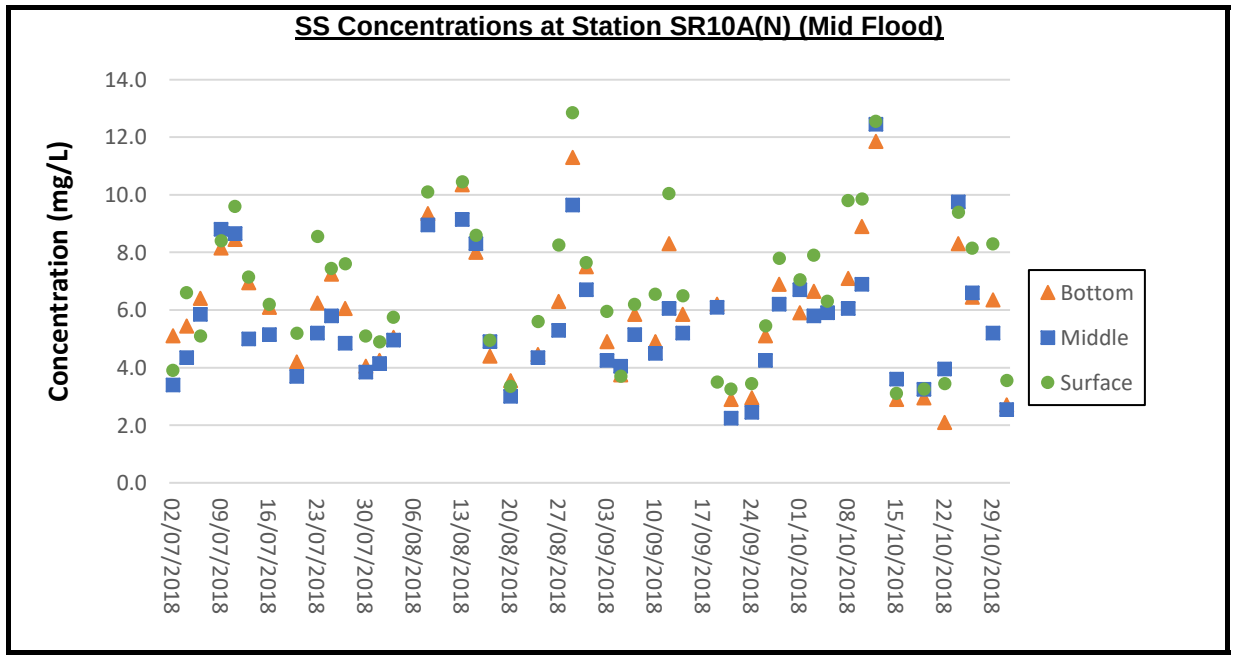


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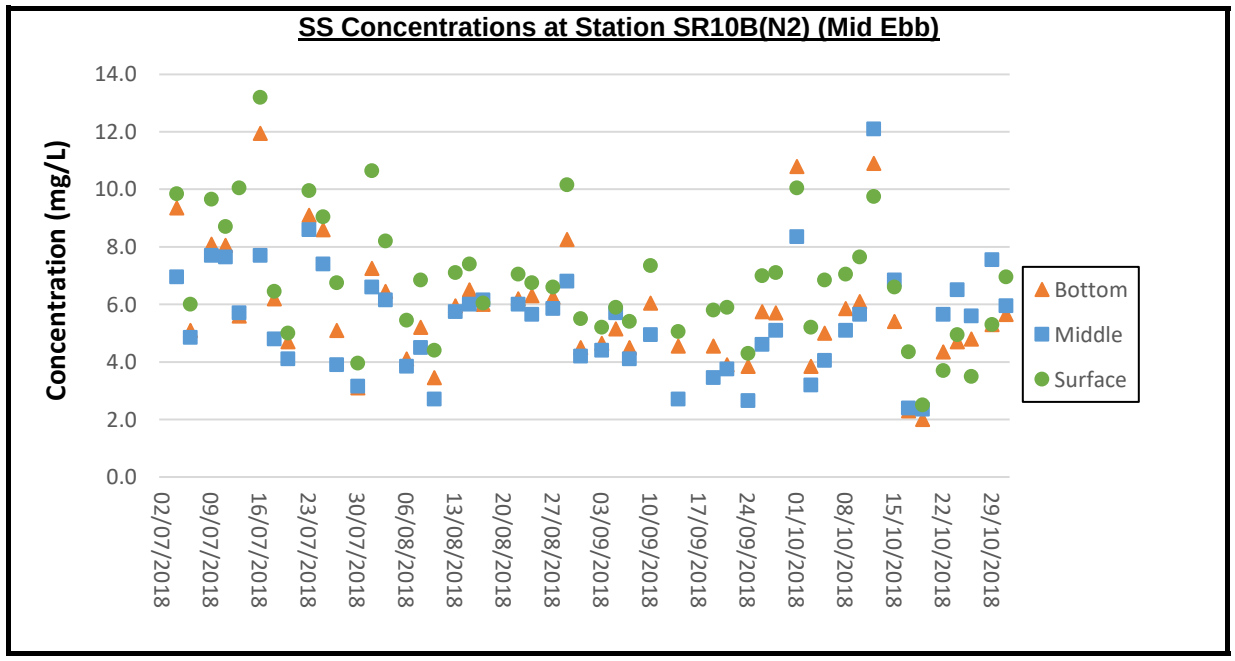


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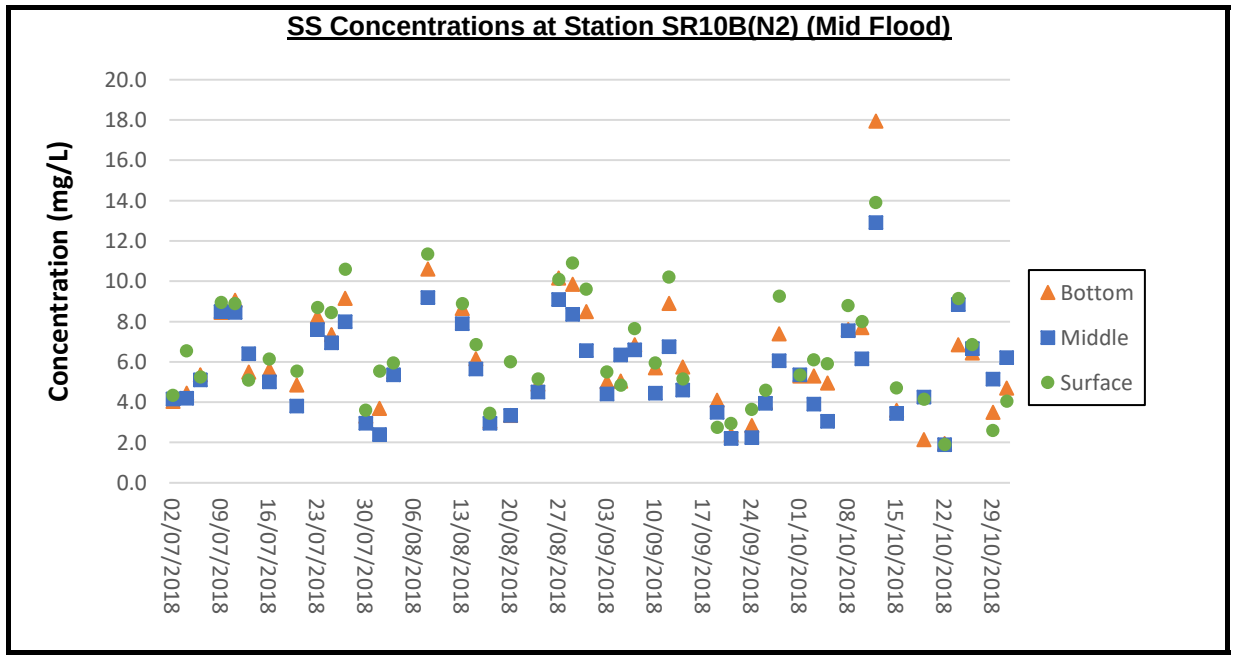


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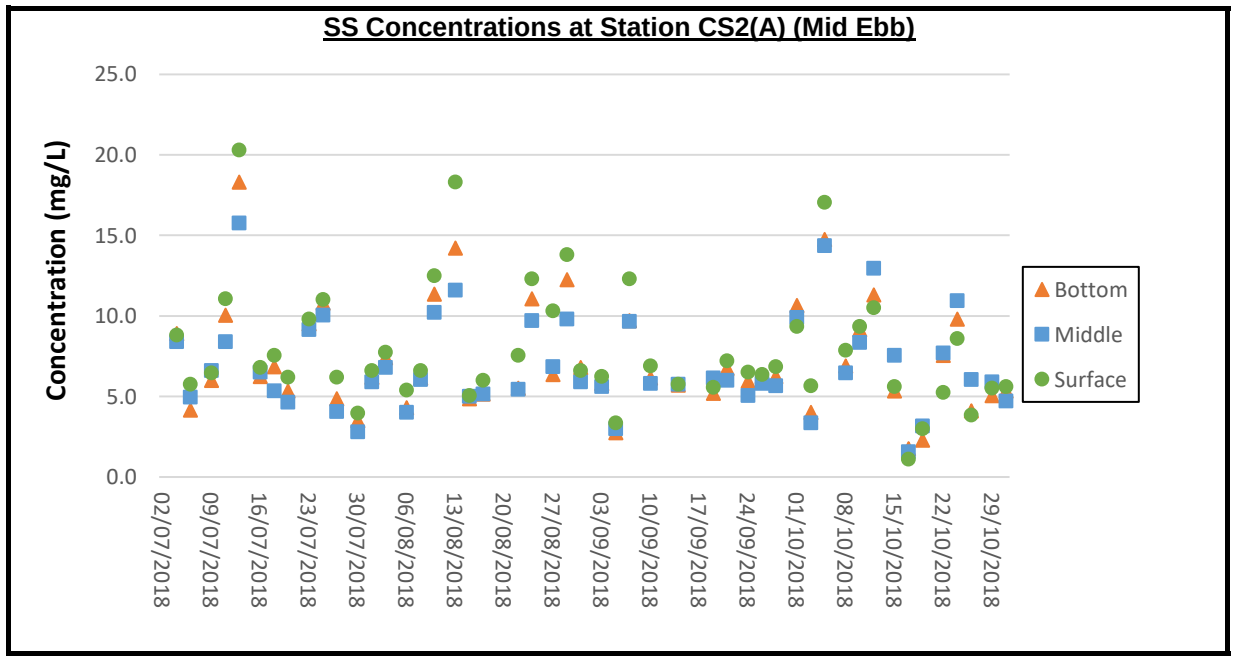


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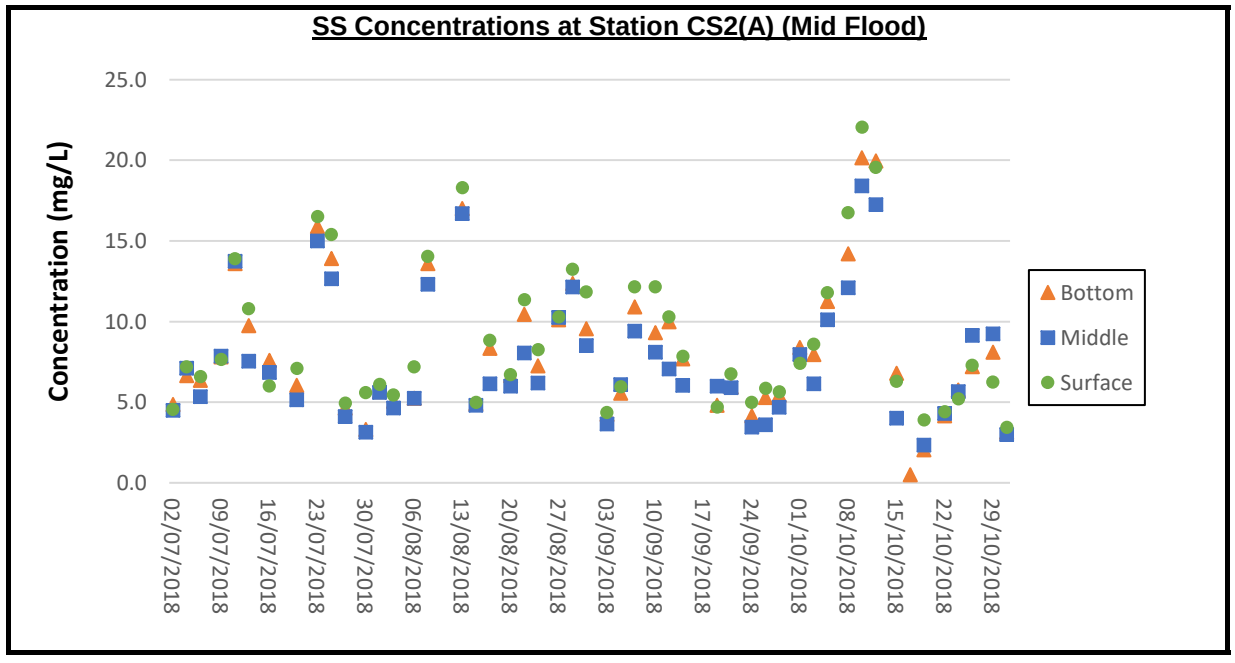


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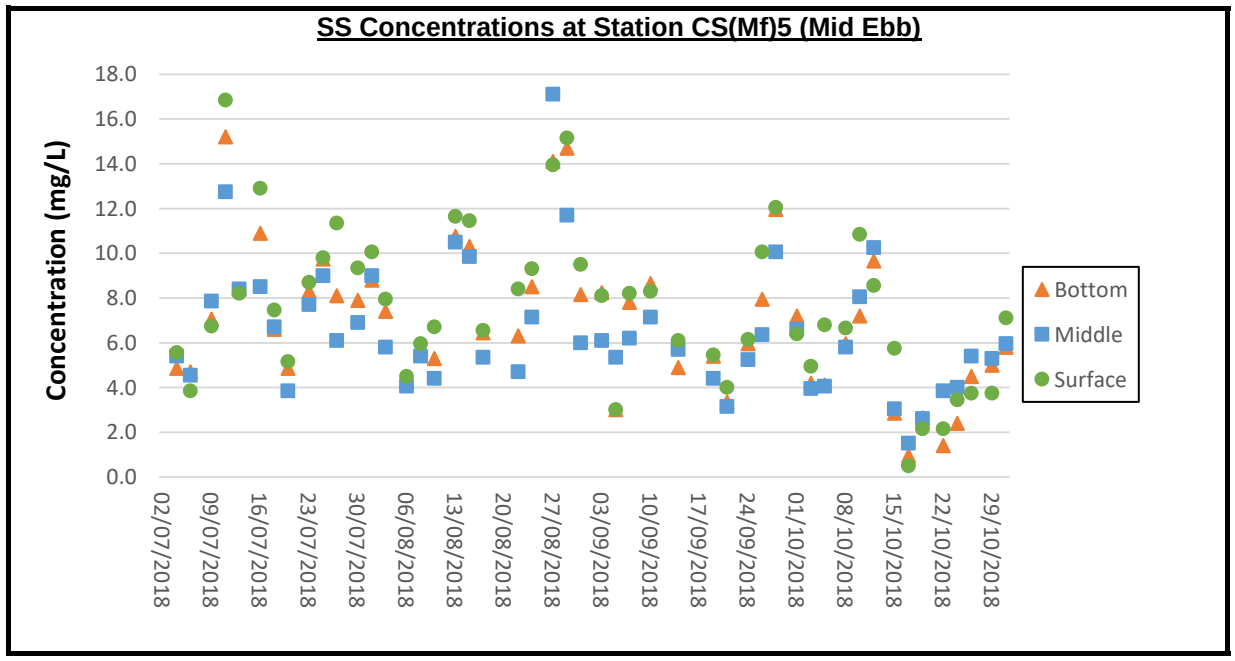


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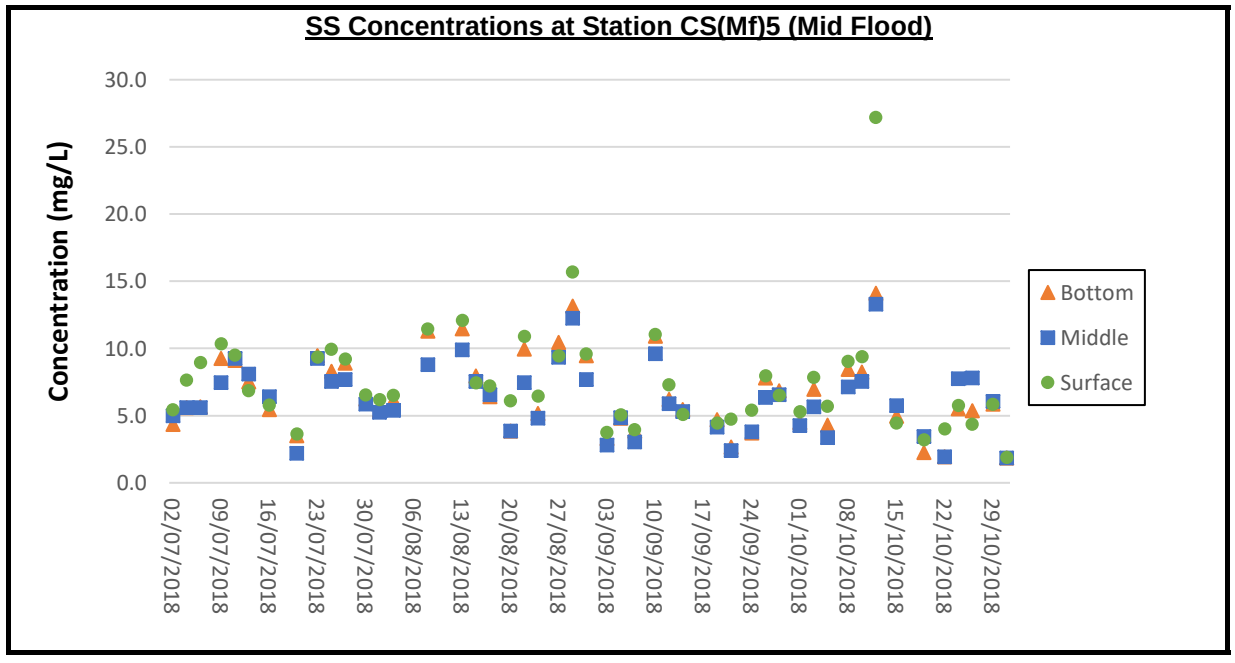


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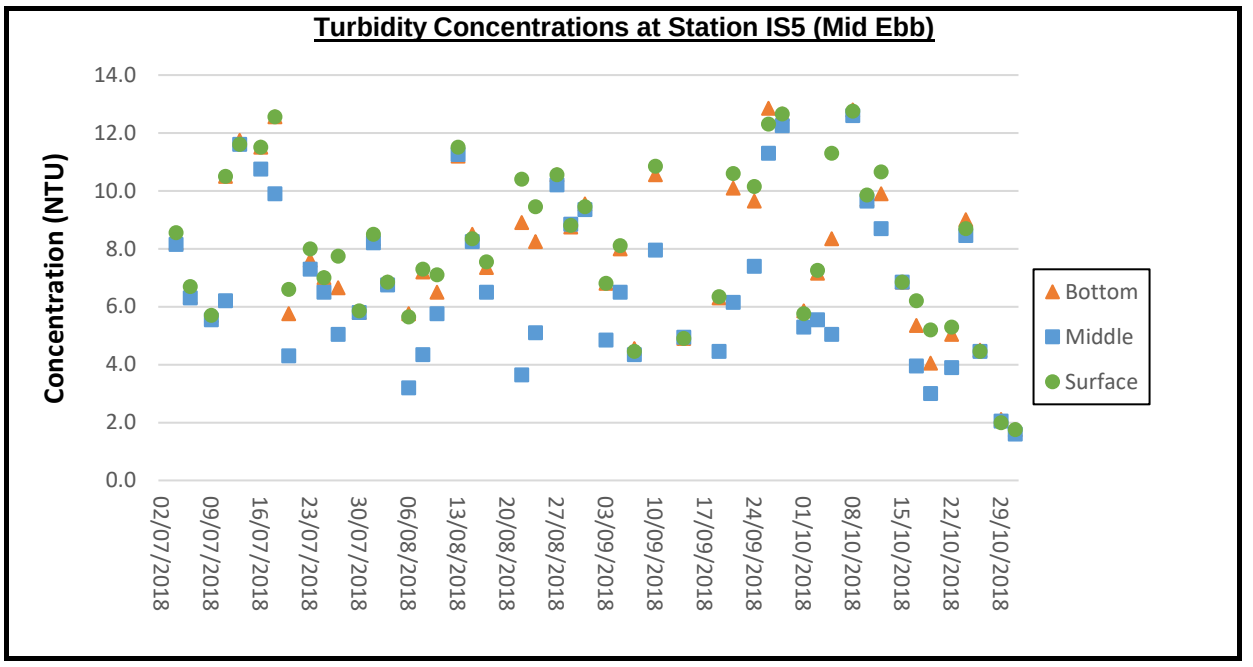


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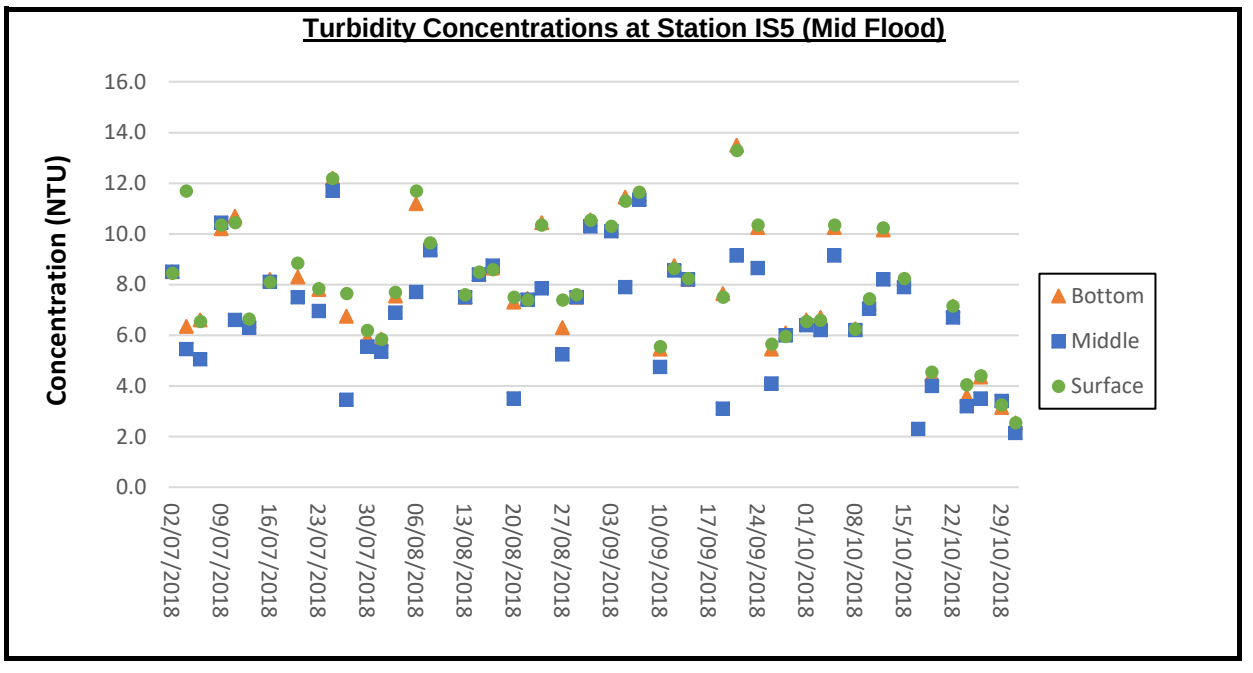


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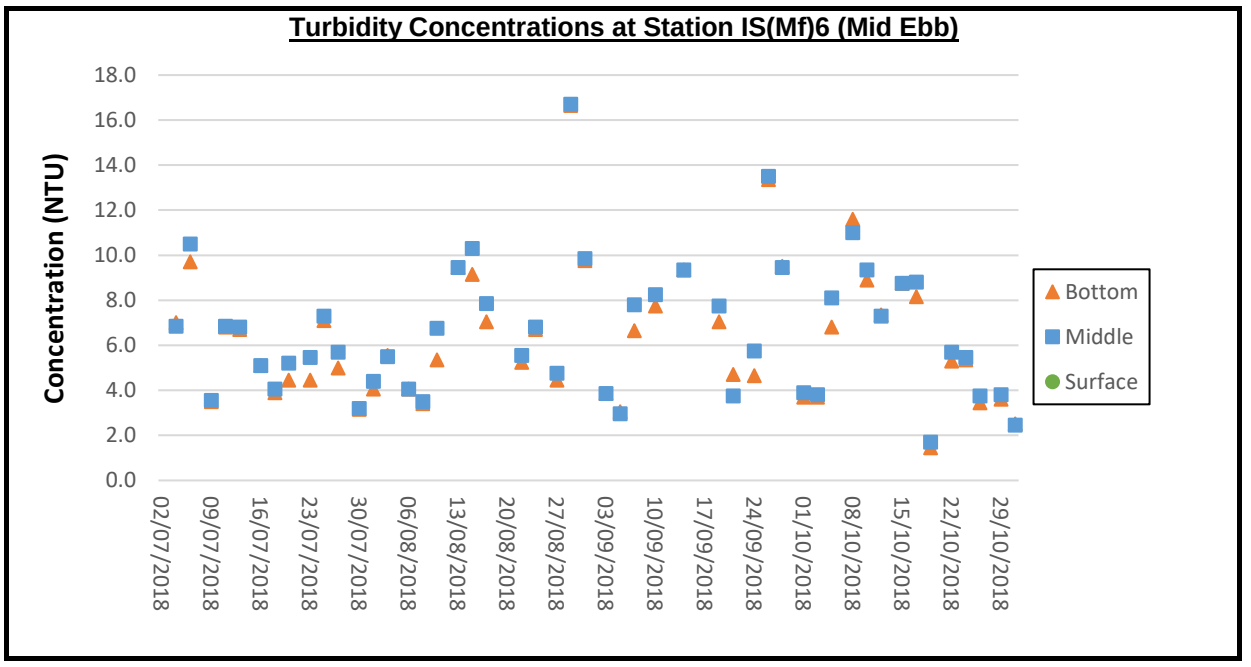


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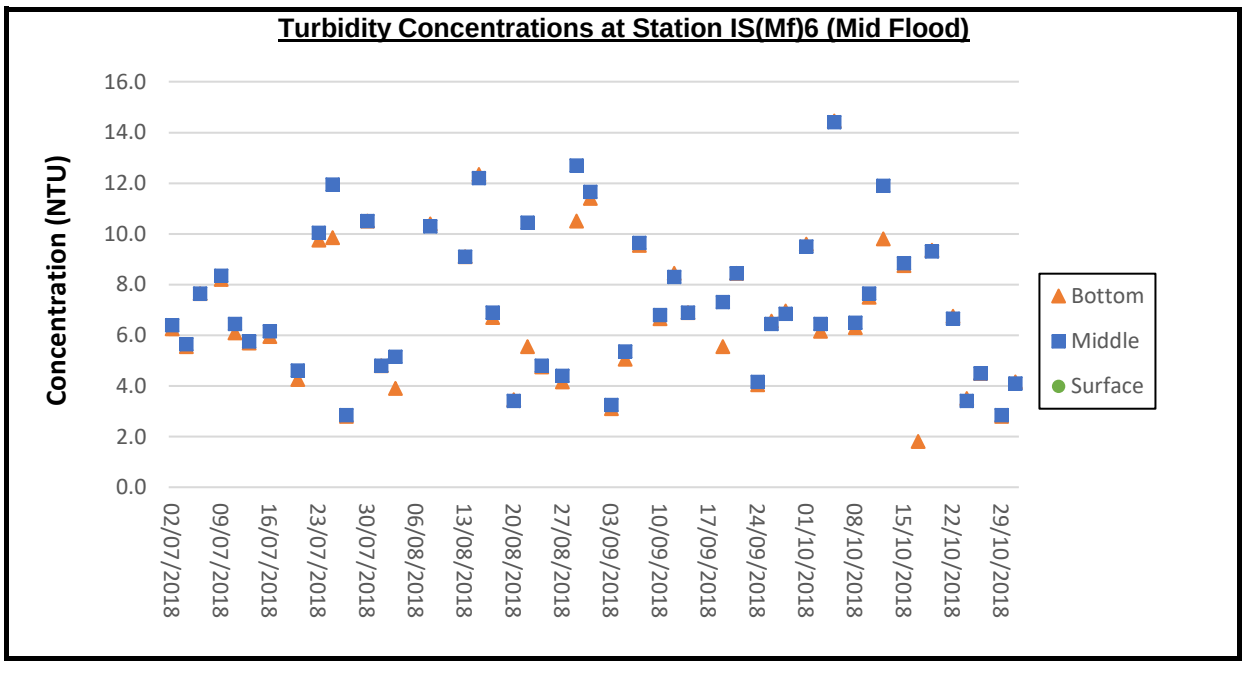


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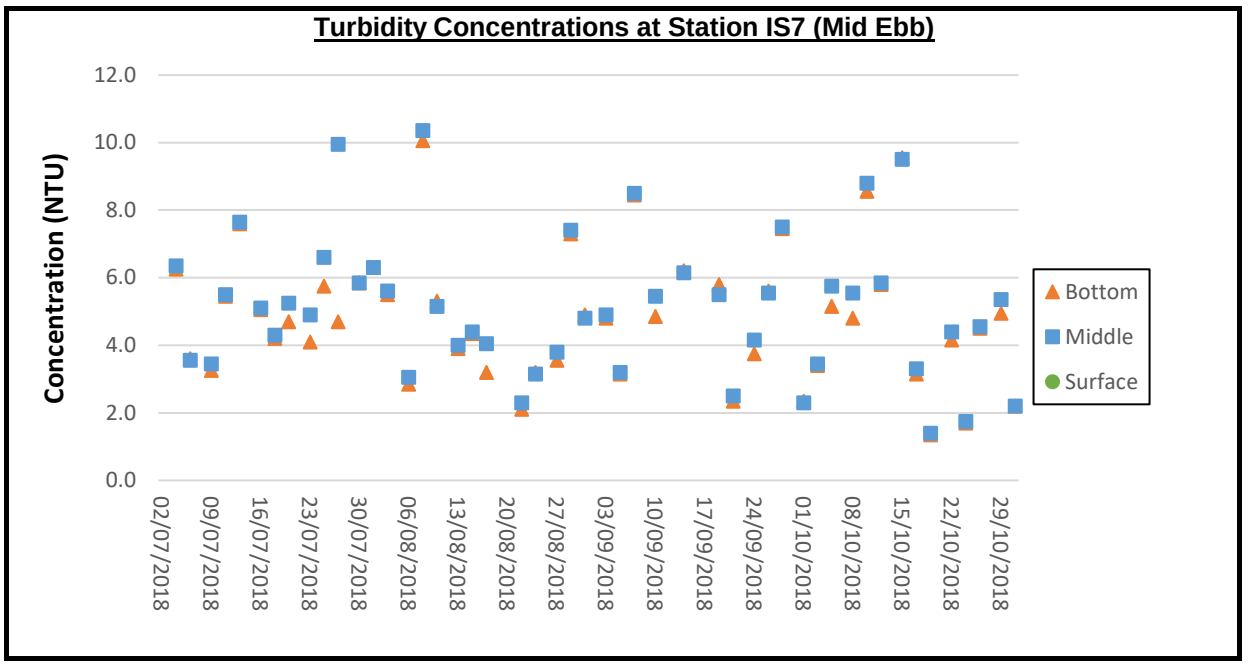


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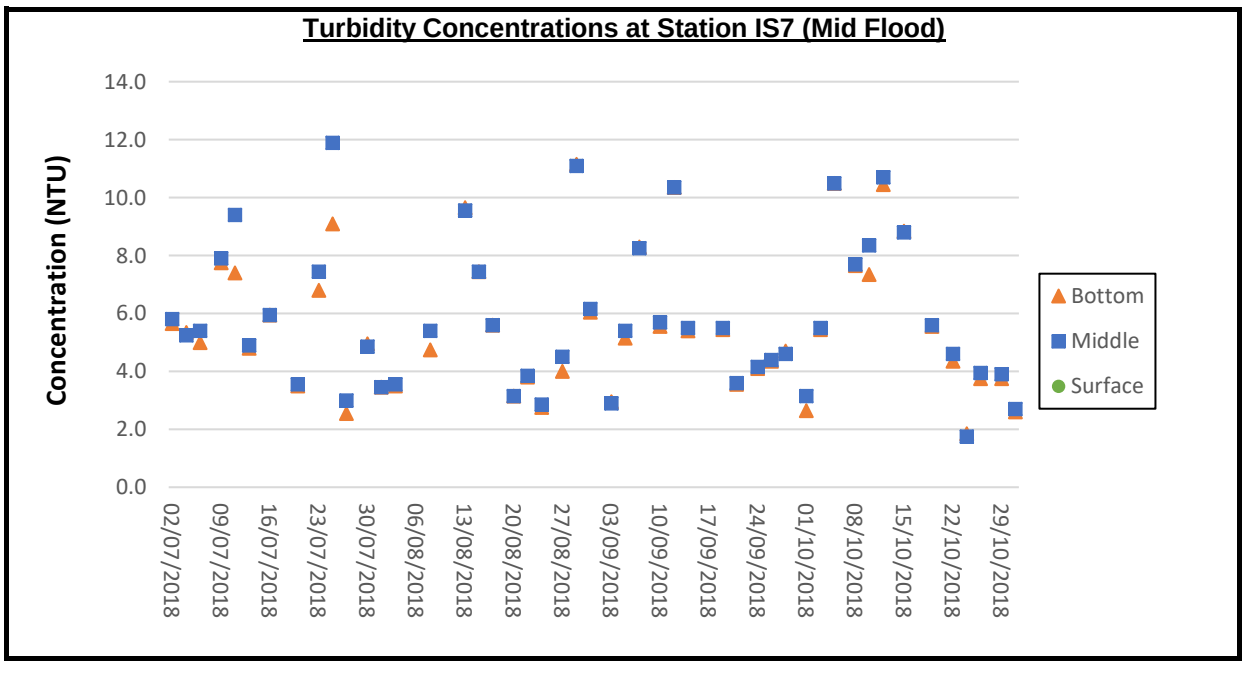


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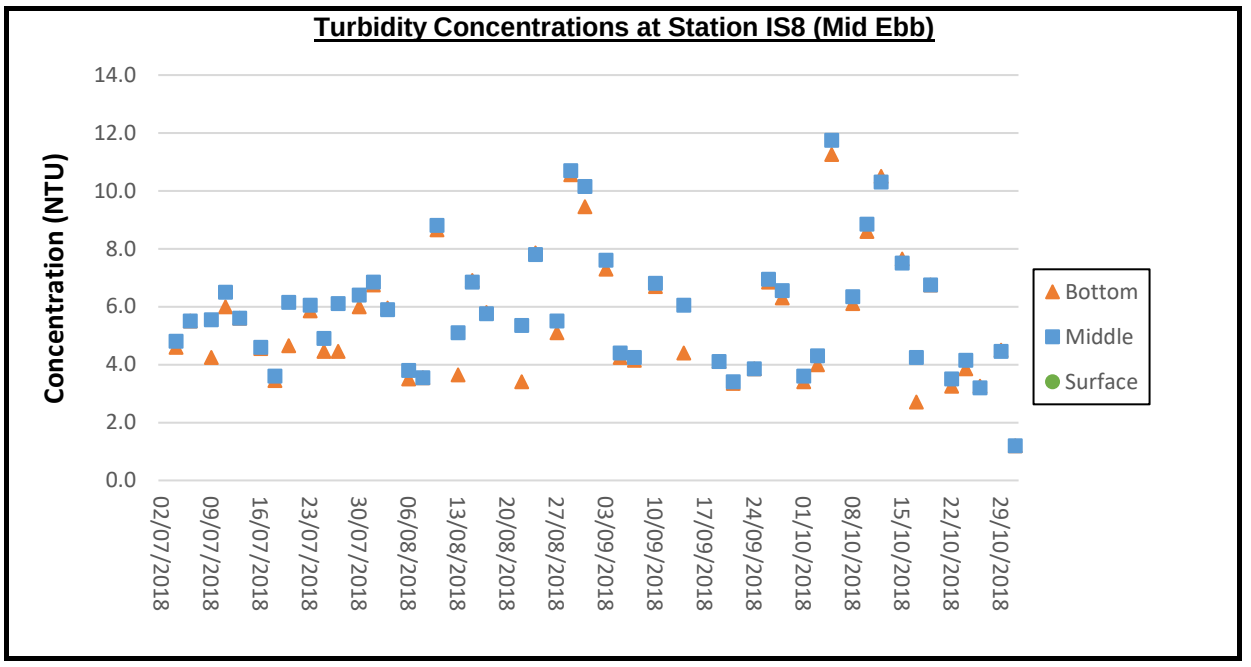


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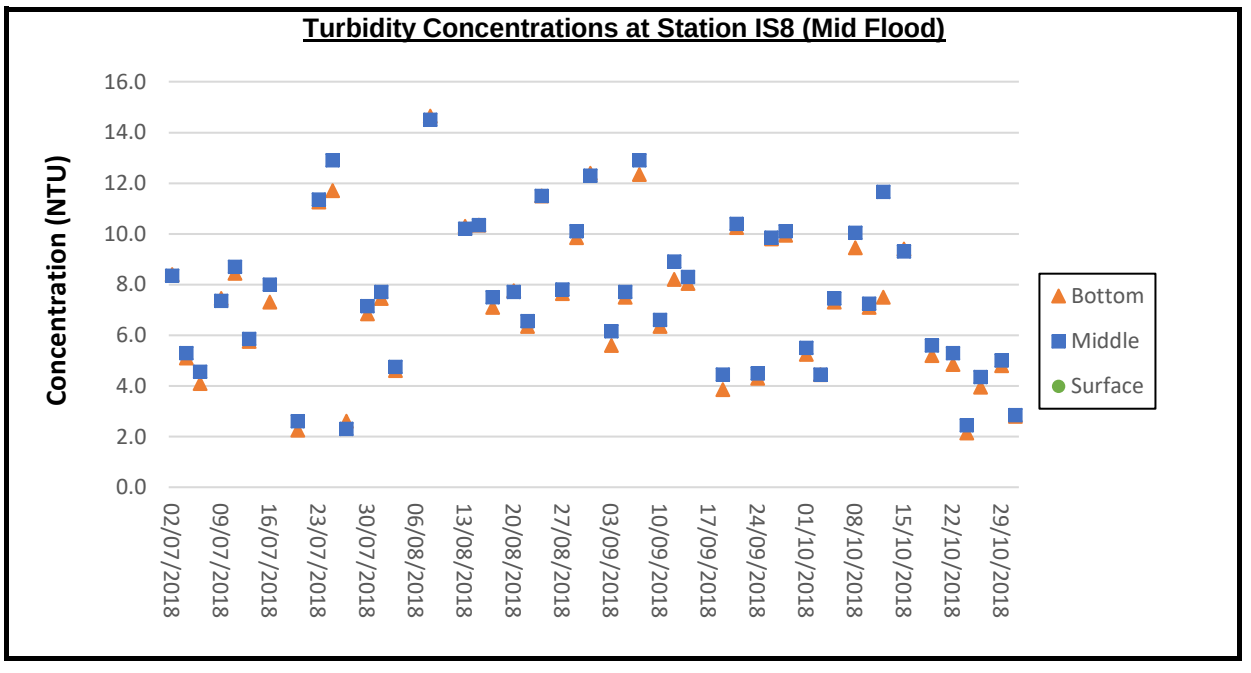


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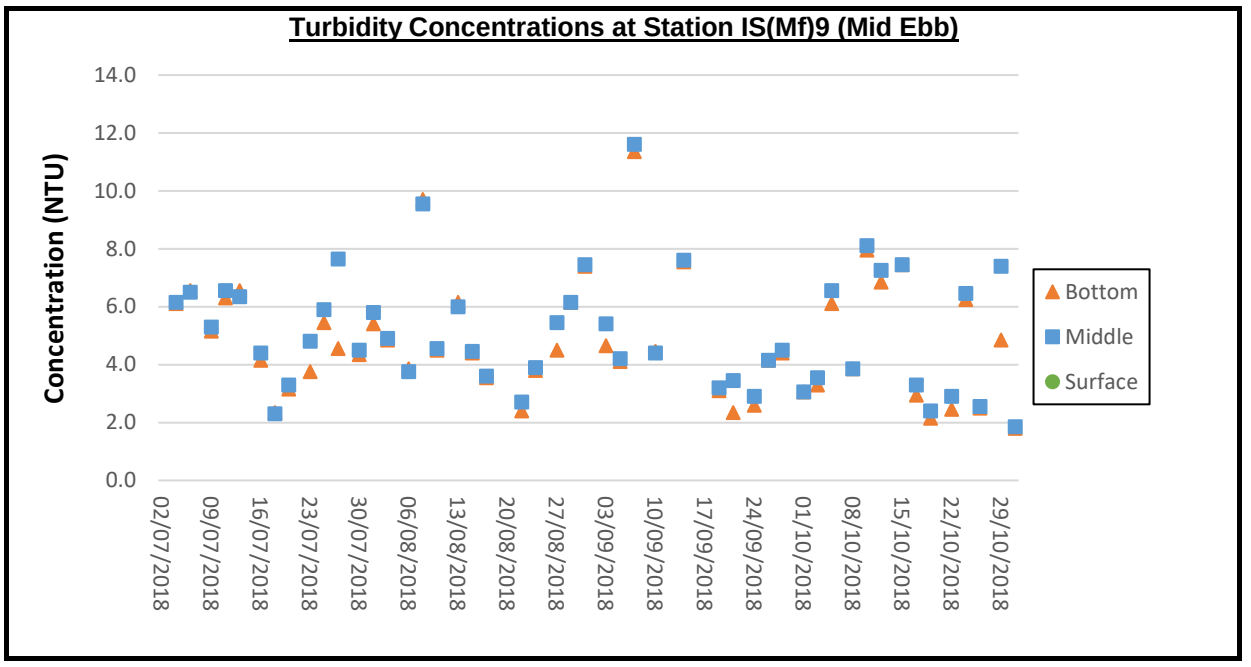


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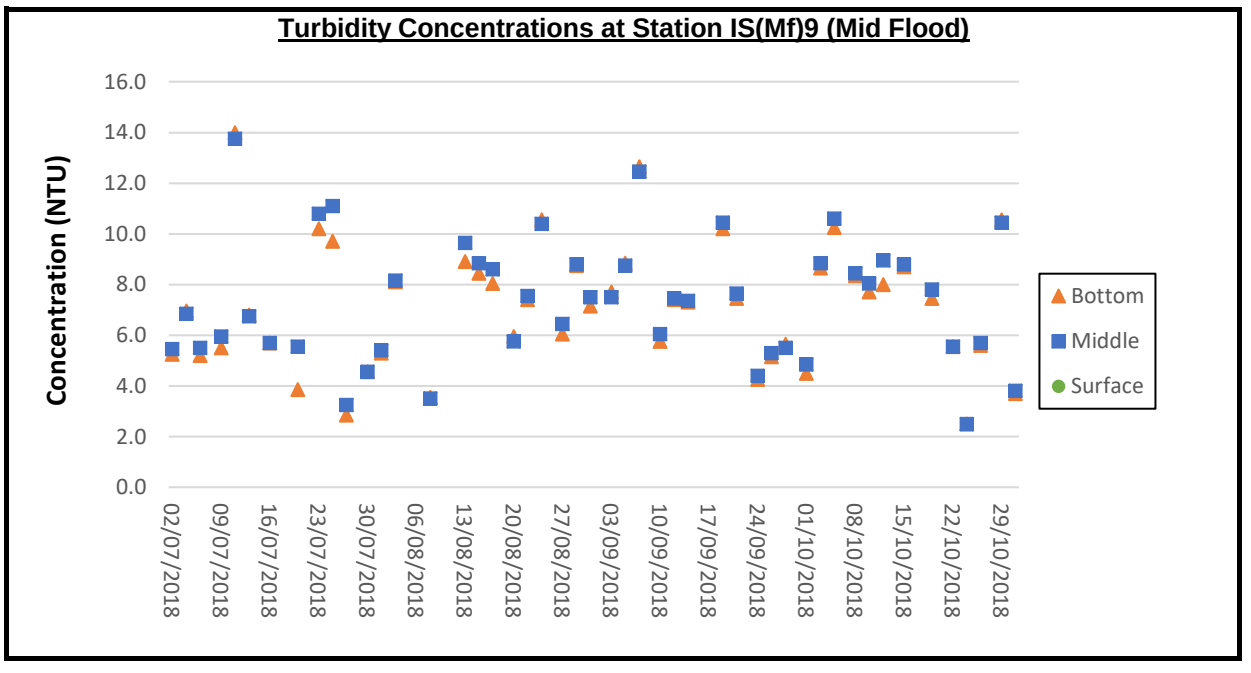


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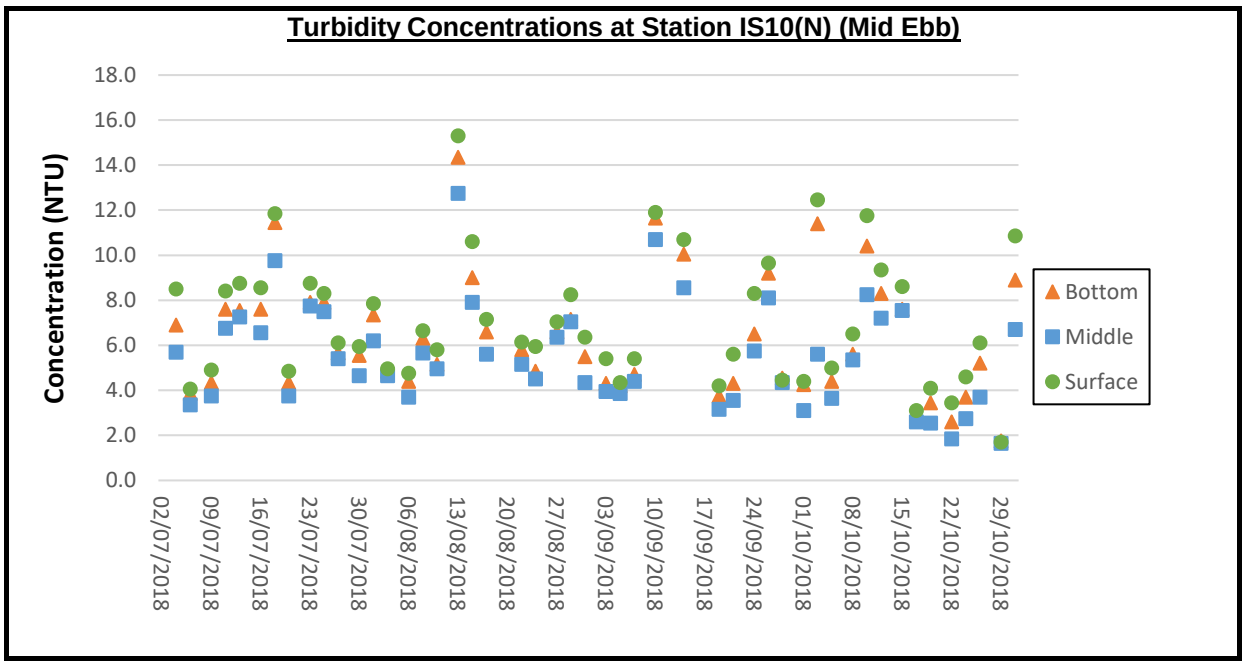


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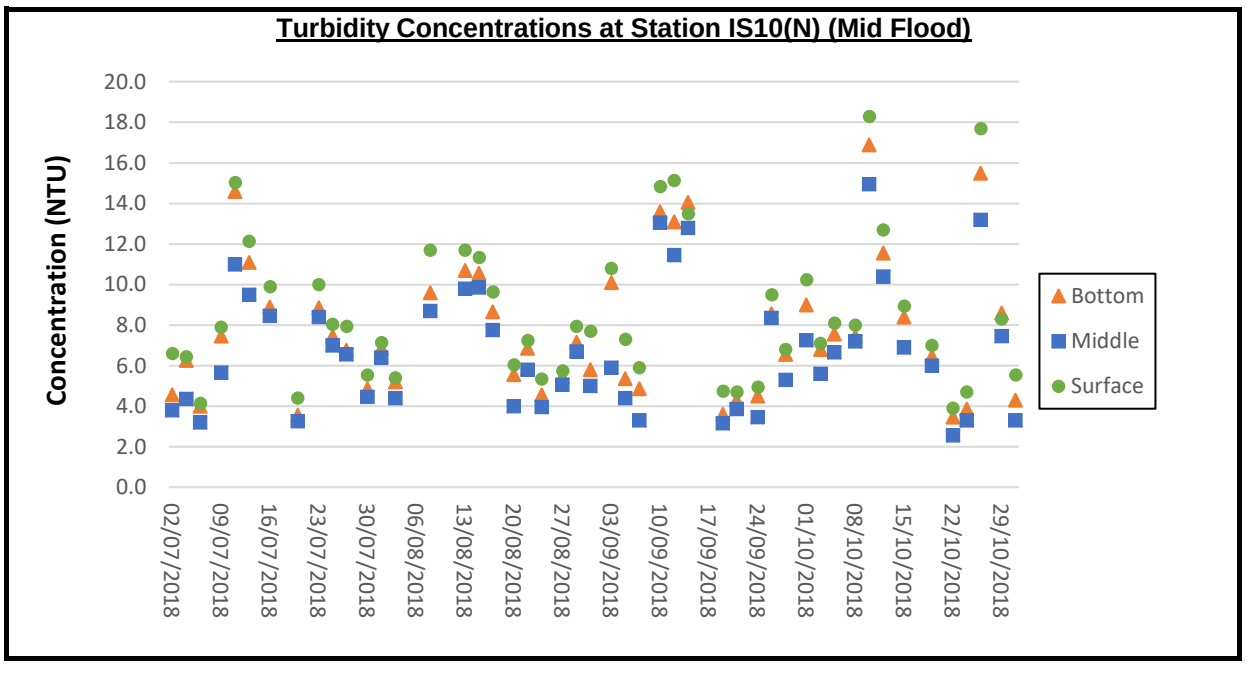


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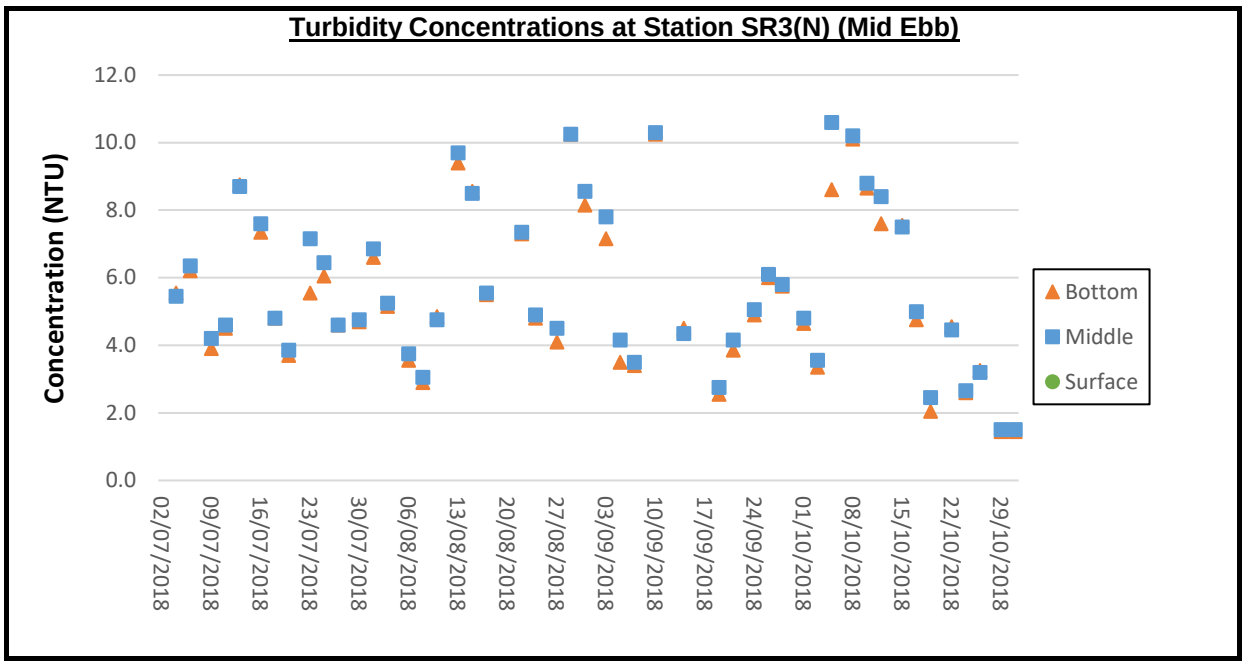


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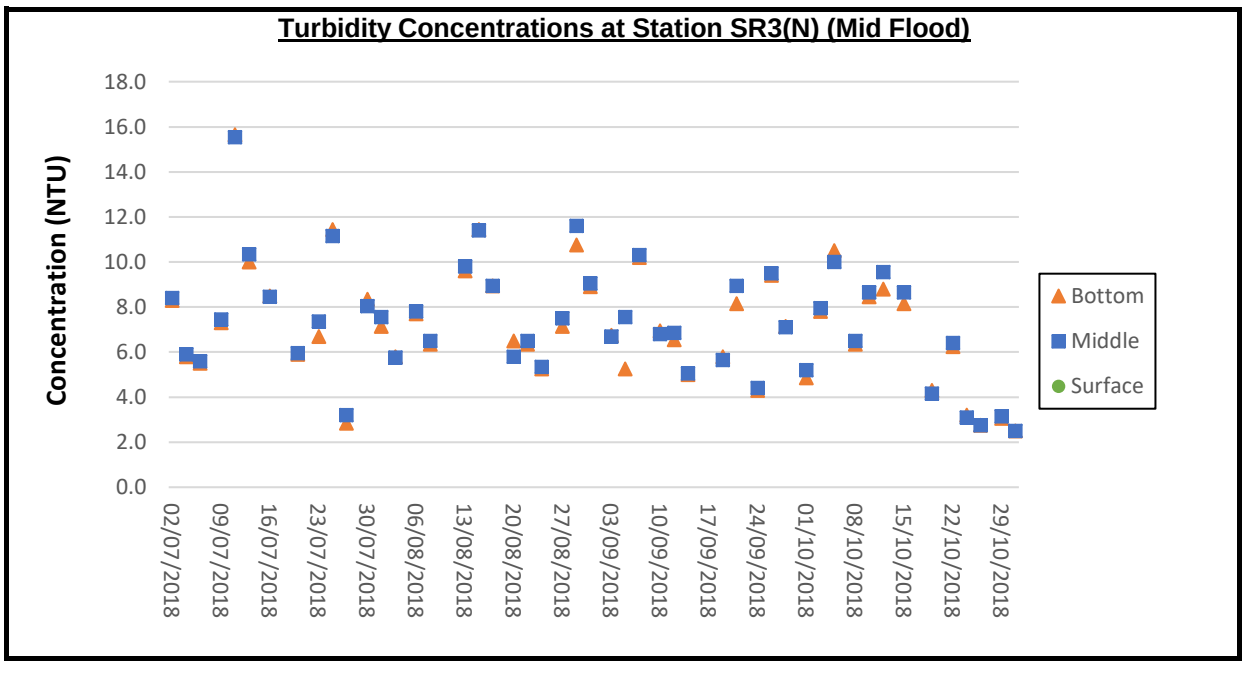


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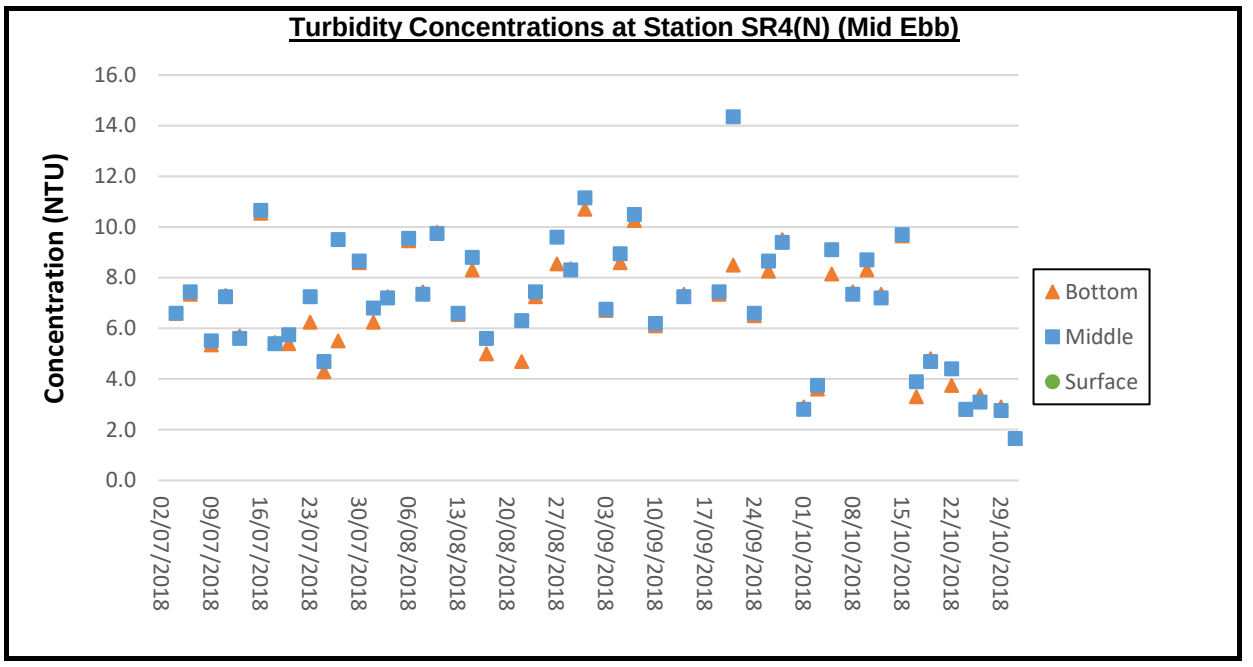


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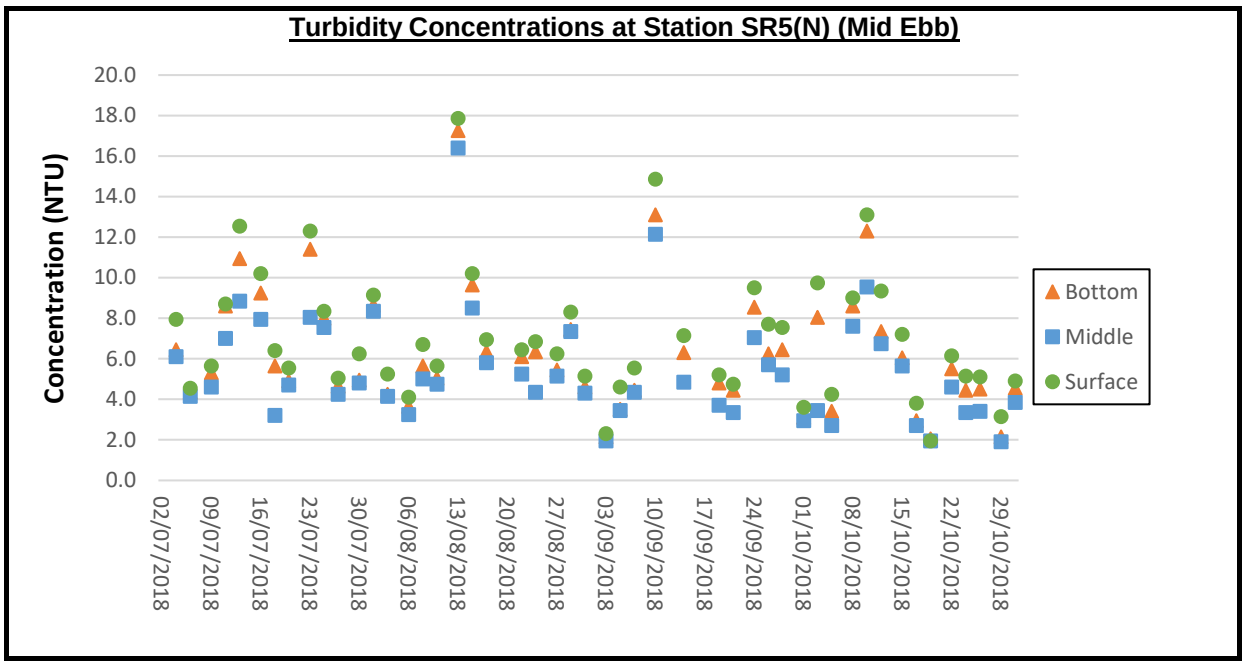


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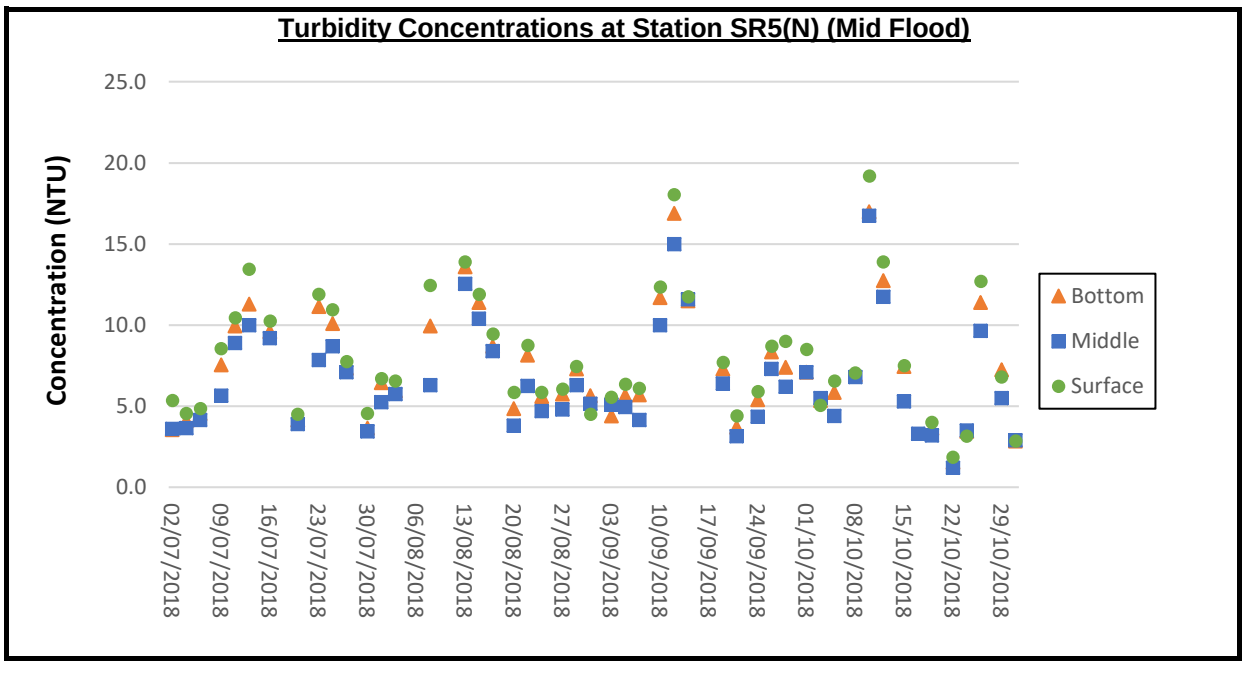


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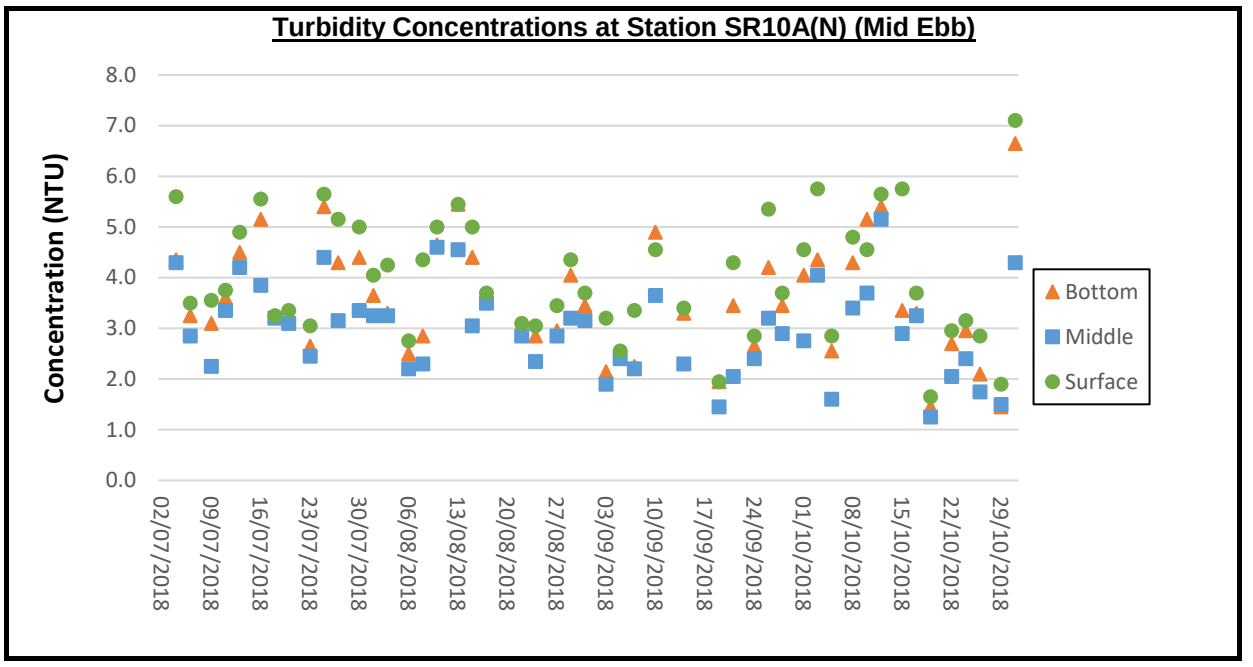


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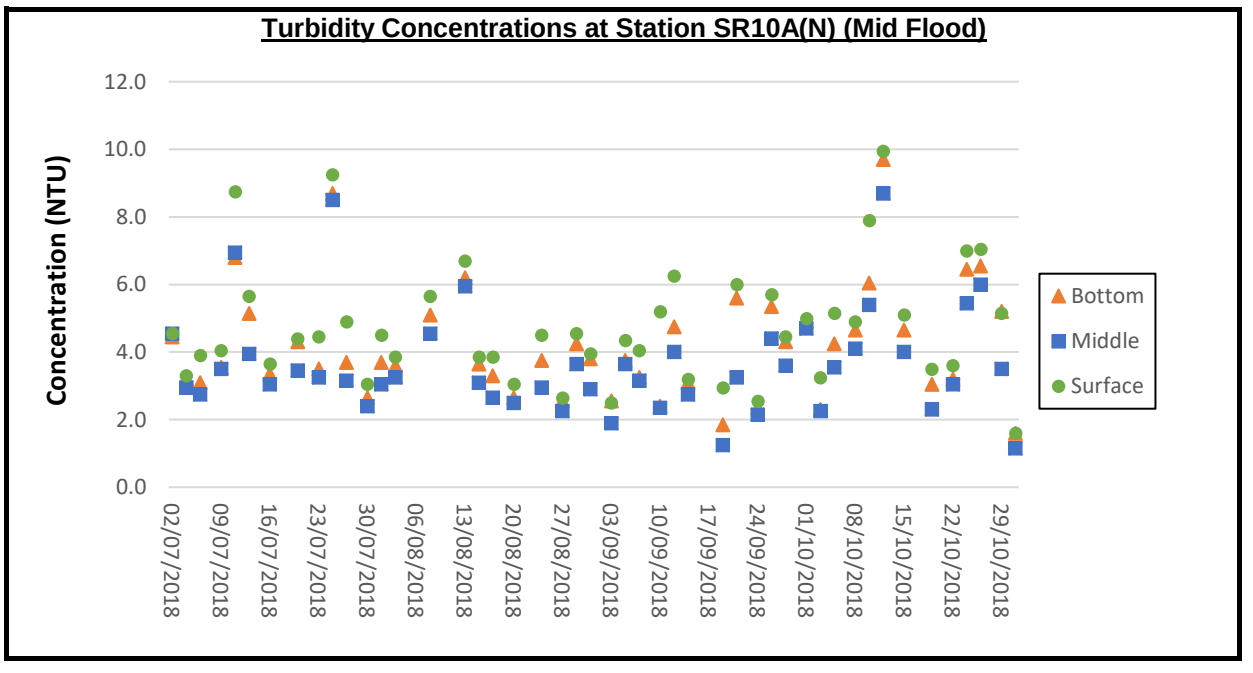


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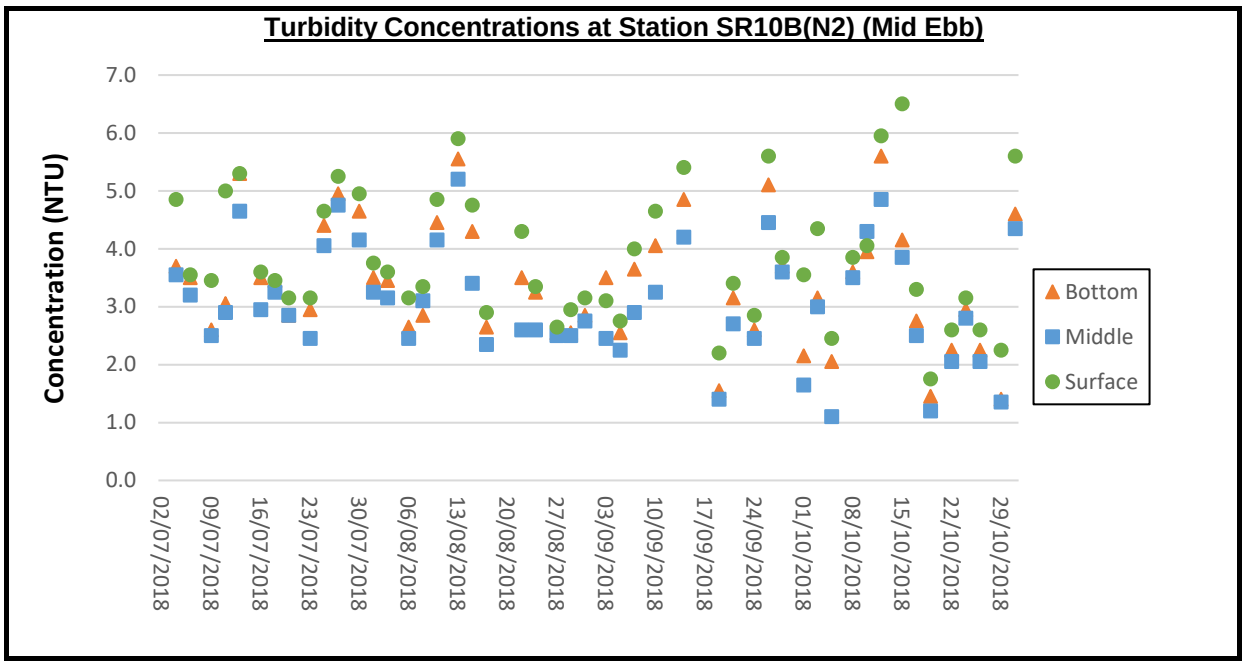


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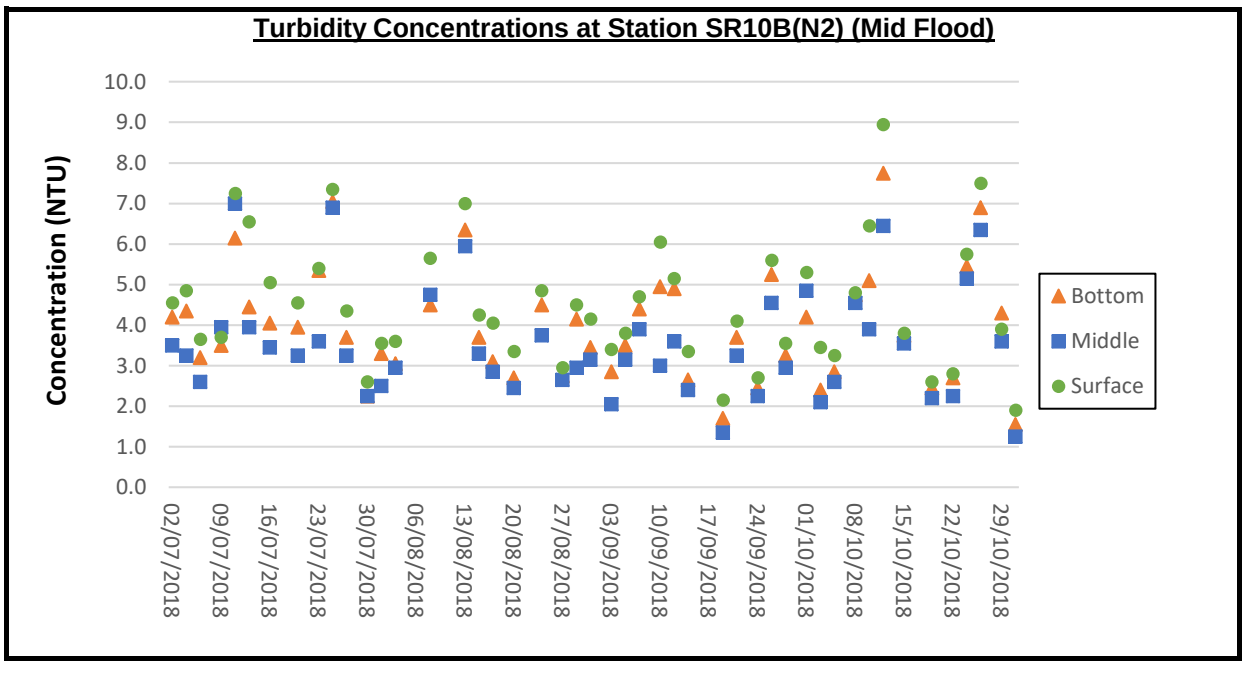


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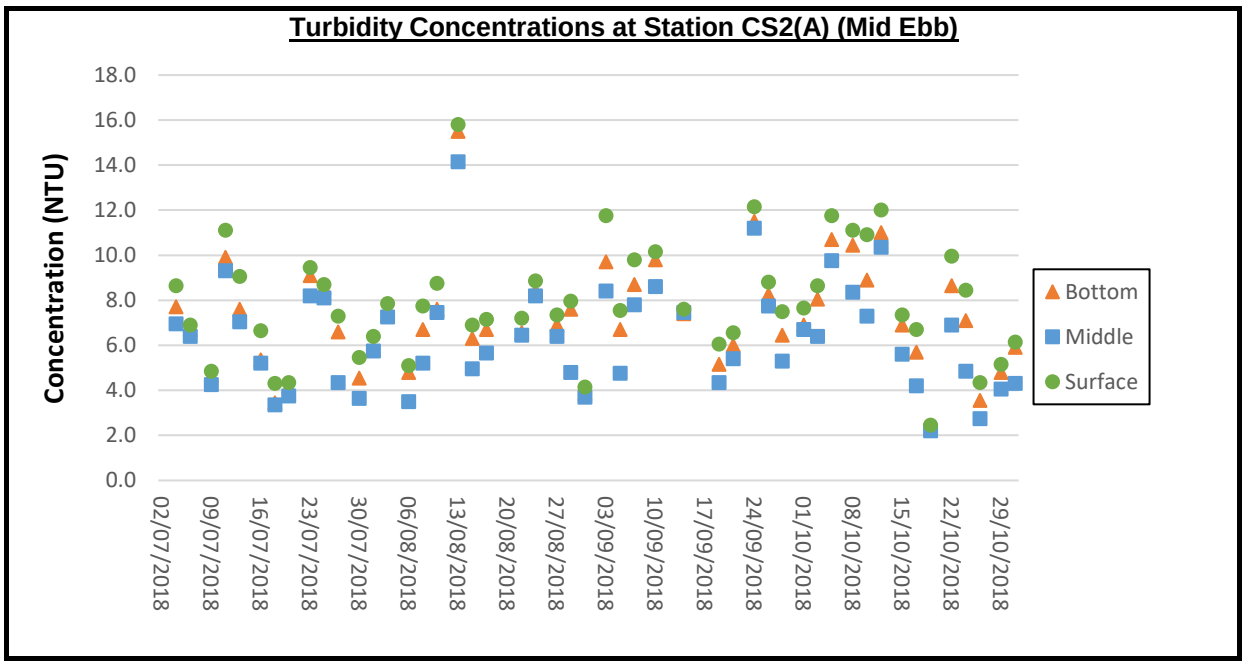


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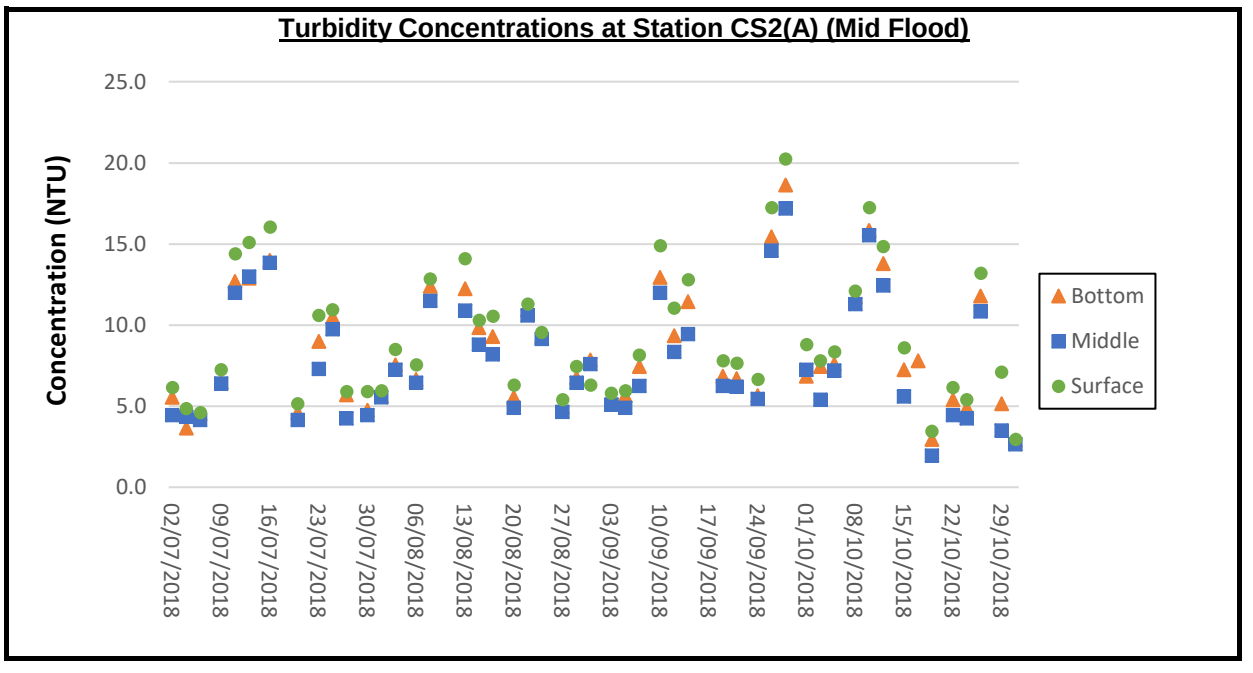


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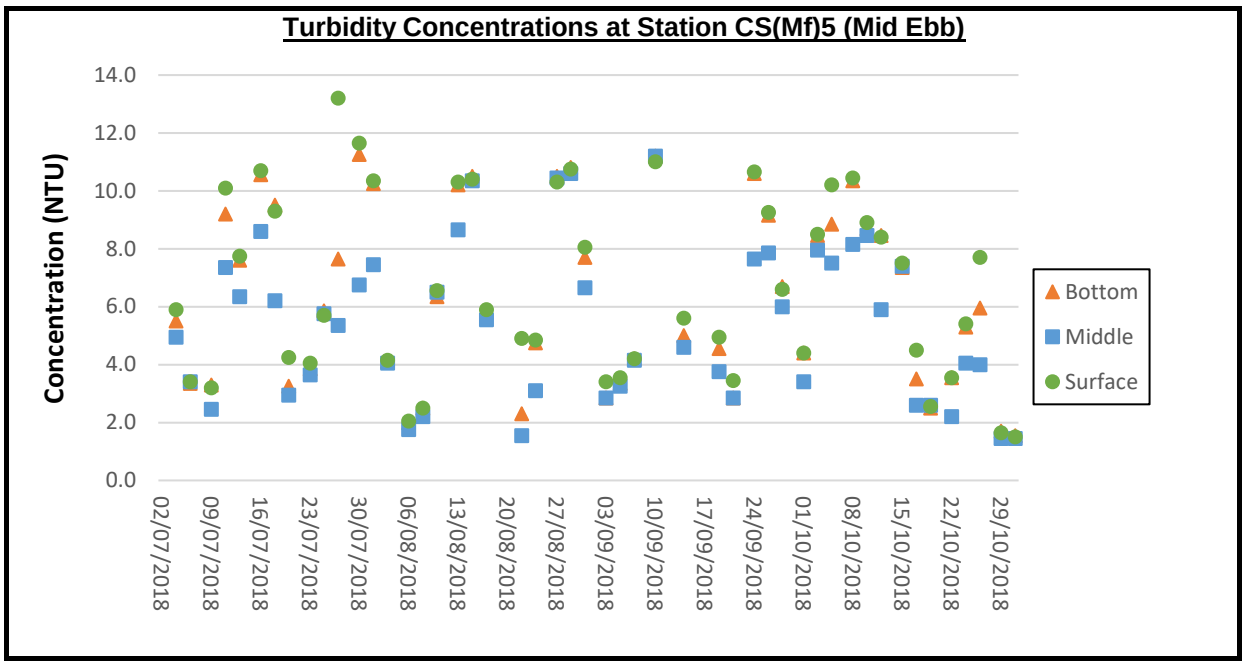


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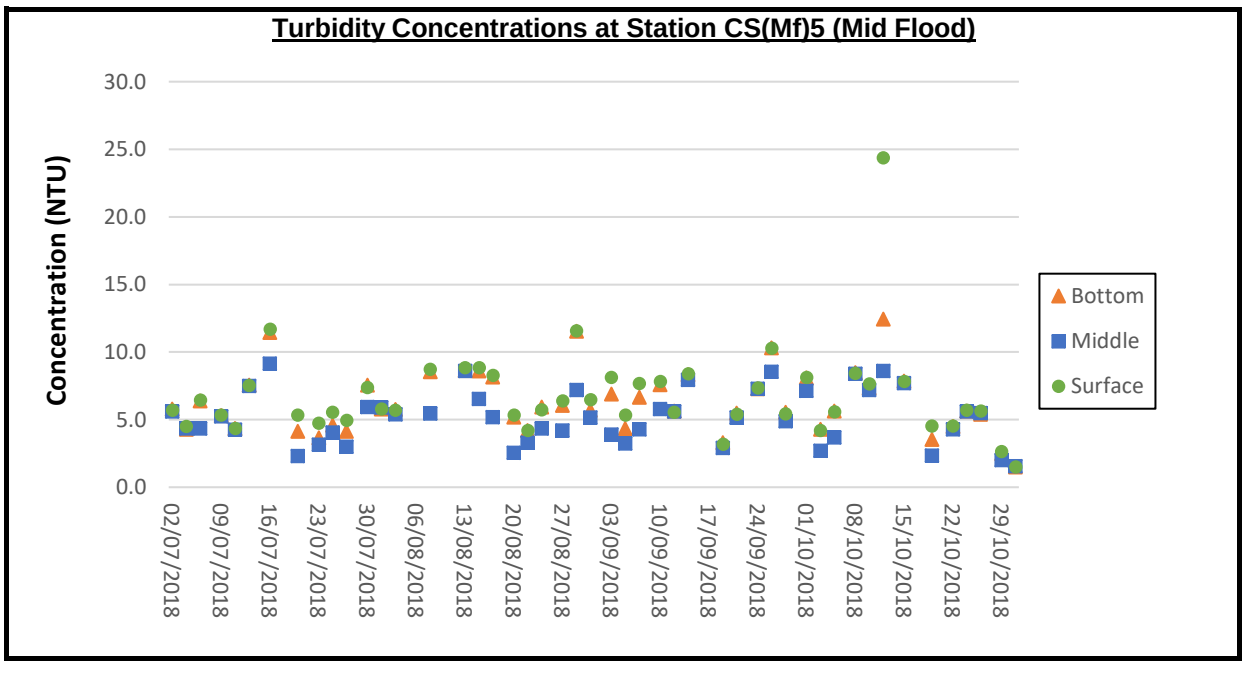


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# APPENDIX F

Event and Action Plan

## Event and Action Plan for Air Quality

| Event | Action | | | |
|---|---|---|---|---|
| | ET | IEC | SO | Contractor |
| Exceedance of Action Level for one sample | 1. Identify source, investigate the causes of exceedance and propose remedial measures;<br>2. Inform IEC and SO;<br>3. Repeat measurement to confirm finding;<br>4. Increase monitoring frequency to daily. | 1. Check monitoring data submitted by ET;<br>2. Check Contractor's working method. | 1. Notify Contractor. | 1. Rectify any unacceptable practice;<br>2. Amend working methods if appropriate. |
| Exceedance of Action Level for two or more consecutive samples | 1. Identify source;<br>2. Inform IEC and SO;<br>3. Advise the SO on the effectiveness of the proposed remedial measures;<br>4. Repeat measurements to confirm findings;<br>5. Increase monitoring frequency to daily;<br>6. Discuss with IEC and Contractor on remedial actions required;<br>7. If exceedance continues, arrange meeting with IEC and SO;<br>8. If exceedance stops, cease additional monitoring. | 1. Check monitoring data submitted by ET;<br>2. Check Contractor's working method;<br>3. Discuss with ET and Contractor on possible remedial measures;<br>4. Advise the ET on the effectiveness of the proposed remedial measures;<br>5. Supervise Implementation of remedial measures. | 1. Confirm receipt of notification of failure in writing;<br>2. Notify Contractor; | 1. Submit proposals for remedial to SO within 3 working days of notification;<br>2. Implement the agreed proposals;<br>3. Amend proposal if appropriate. |

| Event | Action | | | |
|---|---|---|---|---|
| | **ET** | **IEC** | **SO** | **Contractor** |
| Exceedance of Limit Level for one sample | 1. Identify source, investigate the causes of exceedance and propose remedial measures;<br>2. Inform SO, Contractor and EPD;<br>3. Repeat measurement to confirm finding;<br>4. Increase monitoring frequency to daily;<br>5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results. | 1. Check monitoring data submitted by ET;<br>2. Check Contractor's working method;<br>3. Discuss with ET and Contractor on possible remedial measures;<br>4. Advise the SO on the effectiveness of the proposed remedial measures;<br>5. Supervise implementation of remedial measures. | 1. Confirm receipt of notification of failure in writing;<br>2. Notify Contractor;<br>3. Ensure remedial measures properly implemented. | 1. Take immediate action to avoid further exceedance;<br>2. Submit proposals for remedial actions to IEC within 3 working days of notification;<br>3. Implement the agreed proposals;<br>4. Amend proposal if appropriate. |
| Exceedance of Limit Level for two or more consecutive samples | 1. Notify IEC, SO, Contractor and EPD;<br>2. Identify source;<br>3. Repeat measurement to confirm findings;<br>4. Increase monitoring frequency to daily;<br>5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;<br>6. Arrange meeting with IEC and SO to discuss the remedial actions to be taken;<br>7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results;<br>8. If exceedance stops, cease additional monitoring. | 1. Discuss amongst SO, ET, and Contractor on the potential remedial actions;<br>2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly;<br>3. Supervise the implementation of remedial measures. | 1. Confirm receipt of notification of failure in writing;<br>2. Notify Contractor;<br>3. In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented;<br>4. Ensure remedial measures properly implemented;<br>5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. | 1. Take immediate action to avoid further exceedance;<br>2. Submit proposals for remedial actions to IEC within 3 working days of notification;<br>3. Implement the agreed proposals;<br>4. Resubmit proposals if problem still not under control;<br>5. Stop the relevant portion of works as determined by the SO until the exceedance is abated. |

## Event and Action Plan for Noise

| Event | Action | | | |
|---|---|---|---|---|
| | ET | IEC | SO | Contractor |
| Exceedance of Action Level | 1. Identify source, investigate the causes of exceedance and propose remedial measures;<br>2. Notify IEC and Contractor;<br>3. Report the results of investigation to the IEC, SO and Contractor;<br>4. Discuss with the Contractor and formulate remedial measures;<br>5. Increase monitoring frequency to check mitigation effectiveness. | 1. Review the analysed results submitted by the ET;<br>2. Review the proposed remedial measures by the Contractor and advise the SO accordingly;<br>3. Supervise the implementation of remedial measures. | 1. Confirm receipt of notification of failure in writing;<br>2. Notify Contractor;<br>3. Require Contractor to propose remedial measures for the analysed noise problem;<br>4. Ensure remedial measures are properly implemented | 1. Submit noise mitigation proposals to IEC;<br>2. Implement noise mitigation proposals. |
| Exceedance of Limit Level | 1. Identify source;<br>2. Inform IEC, SO, EPD and Contractor;<br>3. Repeat measurements to confirm findings;<br>4. Increase monitoring frequency;<br>5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;<br>6. Inform IEC, SO and EPD the causes and actions taken for the exceedances;<br>7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results;<br>8. If exceedance stops, cease additional monitoring. | 1. Discuss amongst SO, ET, and Contractor on the potential remedial actions;<br>2. Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly;<br>3. Supervise the implementation of remedial measures. | 1. Confirm receipt of notification of failure in writing;<br>2. Notify Contractor;<br>3. Require Contractor to propose remedial measures for the analysed noise problem;<br>4. Ensure remedial measures properly implemented;<br>5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. | 1. Take immediate action to avoid further exceedance;<br>2. Submit proposals for remedial actions to IEC within 3 working days of notification;<br>3. Implement the agreed proposals;<br>4. Resubmit proposals if problem still not under control;<br>5. Stop the relevant portion of works as determined by the SO until the exceedance is abated. |

## Event and Action Plan for Water Quality

| Event | Action | | | |
|---|---|---|---|---|
| | ET Leader | IEC | SO | Contractor |
| Action level being exceeded by one sampling day | 1. Repeat in situ measurement on next day of exceedance to confirm findings;<br>2. Identify source(s) of impact;<br>3. Inform IEC, contractor and SO;<br>4. Check monitoring data, all plant, equipment and Contractor's working methods. | 1. Check monitoring data submitted by ET and Contractor's working methods. | 1. Confirm receipt of notification of non-compliance in writing;<br>2. Notify Contractor. | 1. Inform the SO and confirm notification of the non-compliance in writing;<br>2. Rectify unacceptable practice;<br>3. Amend working methods if appropriate. |
| Action level being exceeded by two or more consecutive sampling days | 1. Repeat measurement on next day of exceedance to confirm findings;<br>2. Identify source(s) of impact;<br>3. Inform IEC, contractor, SO and EPD;<br>4. Check monitoring data, all plant, equipment and Contractor's working methods;<br>5; Ensure mitigation measures are implemented;<br>6. Increase the monitoring frequency to daily until no exceedance of Action level. | 1. Check monitoring data submitted by ET and Contractor's working method;<br>2. Discuss with ET and Contractor on possible remedial actions;<br>3. Review the proposed mitigation measures submitted by Contractor and advise the SO accordingly;<br>4. Supervise the implementation of mitigation measures. | 1. Discuss with IEC on the proposed mitigation measures;<br>2. Ensure mitigation measures are properly implemented;<br>3. Assess the effectiveness of the implemented mitigation measures. | 1. Inform the Engineer and confirm notification of the non-compliance in writing;<br>2. Rectify unacceptable practice;<br>3. Check all plant and equipment and consider changes of working methods;<br>4. Submit proposal of additional mitigation measures to SO within 3 working days of notification and discuss with ET, IEC and SO;<br>5. Implement the agreed mitigation measures. |
| Limit level being exceeded by one sampling day | 1. Repeat measurement on next day of exceedance to confirm findings;<br>2. Identify source(s) of impact;<br>3. Inform IEC, contractor, SO and EPD;<br>4. Check monitoring data, all plant, equipment and Contractor's working methods;<br>5. Discuss mitigation measures with IEC, SO and Contractor; | 1. Check monitoring data submitted by ET and Contractor's working method;<br>2. Discuss with ET and Contractor on possible remedial actions;<br>3. Review the proposed mitigation measures submitted by Contractor and advise the SO accordingly. | 1. Confirm receipt of notification of failure in writing;<br>2. Discuss with IEC, ET and Contractor on the proposed mitigation measures;<br>3. Request Contractor to review the working methods. | 1. Inform the SO and confirm notification of the non-compliance in writing;<br>2. Rectify unacceptable practice;<br>3. Check all plant and equipment and consider changes of working methods;<br>4. Submit proposal of mitigation measures to SO within 3 working days of notification and discuss with ET, IEC and SO. |

| Event | Action | | | |
|---|---|---|---|---|
| | ET Leader | IEC | SO | Contractor |
| Limit level being exceeded by two or more consecutive sampling days | 1. Repeat measurement on next day of exceedance to confirm findings;<br>2. Identify source(s) of impact;<br>3. Inform IEC, contractor, SO and EPD;<br>4. Check monitoring data, all plant, equipment and Contractor's working methods;<br>5. Discuss mitigation measures with IEC, SO and Contractor;<br>6. Ensure mitigation measures are implemented; | 1. Check monitoring data submitted by ET and Contractor's working method;<br>2. Discuss with ET and Contractor on possible remedial actions;<br>3. Review the Contractor's mitigation measures whenever necessary to assure their effectiveness and advise the SO accordingly;<br>4. Supervise the implementation of mitigation measures. | 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures;<br>2. Request Contractor to critically review the working methods;<br>3. Make agreement on the mitigation measures to be implemented;<br>4. Ensure mitigation measures are properly implemented;<br>5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level. | 1. Take immediate action to avoid further exceedance;<br>2. Submit proposal of mitigation measures to SO within 3 working days of notification and discuss with ET, IEC and SO;<br>3. Implement the agreed mitigation measures;<br>4. Resubmit proposals of mitigation measures if problem still not under control;<br>5. As directed by the Engineer, to slow down or to stop all or part of the construction activities until no exceedance of Limit level. |

## Event and Action Plan for Dolphin Monitoring

| Event | ET Leader | IEC | ER / SOR | Contractor |
|---|---|---|---|---|
| Action Level | 1. Repeat statistical data analysis to confirm findings;<br>2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences;<br>3. Identify source(s) of impact;<br>4. Inform the IEC, ER/SOR and Contractor;<br>5. Check monitoring data.<br>6. Review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary. | 1. Check monitoring data submitted by ET and Contractor;<br>2. Discuss monitoring results and findings with the ET and the Contractor. | 1. Discuss monitoring with the IEC and any other measures proposed by the ET;<br>2. If ER/SOR is satisfied with the proposal of any other measures, ER/SOR to signify the agreement in writing on the measures to be implemented. | 1. Inform the ER/SOR and confirm notification of the non-compliance in writing;<br>2. Discuss with the ET and the IEC and propose measures to the IEC and the ER/SOR;<br>3. Implement the agreed measures. |
| Limit Level | 1. Repeat statistical data analysis to confirm findings;<br>2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences;<br>3. Identify source(s) of impact;<br>4. Inform the IEC, ER/SOR and Contractor of findings;<br>5. Check monitoring data;<br>6. Repeat review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary; | 1. Check monitoring data submitted by ET and Contractor;<br>2. Discuss monitoring results and findings with the ET and the Contractor;<br>3. Attend the meeting to discuss with ET, ER/SOR and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures;<br>4. Review proposals for additional monitoring and any other mitigation measures submitted by ET and Contractor and advise ER/SOR of the results and findings accordingly;<br>5. Supervise / Audit the | 1. Attend the meeting to discuss with ET, IEC and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures;<br>2. If ER/SOR is satisfied with the proposals for additional dolphin monitoring and/or any other mitigation measures submitted by ET and Contractor and verified by IEC, ER/SOR to signify the agreement in writing on such proposals and any other mitigation measures;<br>3. Supervise the implementation of additional monitoring | 1. Inform the ER/SOR and confirm notification of the non-compliance in writing;<br>2. Attend the meeting to discuss with ET, IEC and ER/SOR the necessity of additional dolphin monitoring and any other potential mitigation measures;<br>3. Jointly submit with ET to IEC a proposal of additional dolphin monitoring and/or any other mitigation measures when necessary;<br>4. Implement the agreed additional dolphin monitoring and/or any other mitigation measures. |

| Event | ET Leader | IEC | ER / SOR | Contractor |
|---|---|---|---|---|
| | 7. If ET proves that the source of impact is caused by any of the construction activity by the works contract, ET to arrange a meeting to discuss with IEC, ER/SOR and Contractor the necessity of additional dolphin monitoring and/or any other potential mitigation measures (e.g., consider to modify the perimeter silt curtain or consider to control/temporarily stop relevant construction activity etc.) and submit to IEC a proposal of additional dolphin monitoring and/or mitigation measures where necessary. | implementation of additional monitoring and/or any other mitigation measures and advise ER/SOR the results and findings accordingly. | and/or any other mitigation measures. | |

## Event and Action Plan for Mudflat Monitoring

| Event | ET Leader | IEC | SO | Contractor |
|---|---|---|---|---|
| Density or the distribution pattern of horseshoe crab, seagrass or intertidal soft shore communities recorded in the impact or post-construction monitoring are significantly lower than or different from those recorded in the baseline monitoring. | Review historical data to ensure differences are as a result of natural variation or previously observed seasonal differences;<br>Identify source(s) of impact;<br>Inform the IEC, SO and Contractor;<br>Check monitoring data;<br>Discuss additional monitoring and any other measures, with the IEC and Contractor. | Discuss monitoring with the ET and the Contractor;<br>Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the SO accordingly. | Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET;<br>Make agreement on the measures to be implemented. | Inform the SO and in writing;<br>Discuss with the ET and the IEC and propose measures to the IEC and the ER;<br>Implement the agreed measures. |

# APPENDIX G

Wind Data

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/10/2018 | 00:05 | 0.4 | SE | 1/10/2018 | 07:00 | 0 | --- | 1/10/2018 | 13:55 | 0 | --- |
| 1/10/2018 | 00:10 | 1.3 | E | 1/10/2018 | 07:05 | 0 | --- | 1/10/2018 | 14:00 | 0 | --- |
| 1/10/2018 | 00:15 | 0 | --- | 1/10/2018 | 07:10 | 0.9 | WNW | 1/10/2018 | 14:05 | 0.4 | SSE |
| 1/10/2018 | 00:20 | 1.3 | WNW | 1/10/2018 | 07:15 | 0.4 | S | 1/10/2018 | 14:10 | 0 | --- |
| 1/10/2018 | 00:25 | 0.4 | S | 1/10/2018 | 07:20 | 0.9 | WSW | 1/10/2018 | 14:15 | 0 | WSW |
| 1/10/2018 | 00:30 | 0.4 | S | 1/10/2018 | 07:25 | 0.9 | WSW | 1/10/2018 | 14:20 | 0 | --- |
| 1/10/2018 | 00:35 | 0.9 | NNE | 1/10/2018 | 07:30 | 0 | --- | 1/10/2018 | 14:25 | 0 | --- |
| 1/10/2018 | 00:40 | 0 | SSE | 1/10/2018 | 07:35 | 0.9 | SW | 1/10/2018 | 14:30 | 0 | --- |
| 1/10/2018 | 00:45 | 0.4 | S | 1/10/2018 | 07:40 | 0 | --- | 1/10/2018 | 14:35 | 0 | --- |
| 1/10/2018 | 00:50 | 0 | --- | 1/10/2018 | 07:45 | 2.2 | W | 1/10/2018 | 14:40 | 1.3 | WNW |
| 1/10/2018 | 00:55 | 0 | --- | 1/10/2018 | 07:50 | 0.4 | S | 1/10/2018 | 14:45 | 0 | --- |
| 1/10/2018 | 01:00 | 0.4 | S | 1/10/2018 | 07:55 | 0 | --- | 1/10/2018 | 14:50 | 0 | --- |
| 1/10/2018 | 01:05 | 0 | --- | 1/10/2018 | 08:00 | 0 | NE | 1/10/2018 | 14:55 | 0.9 | WNW |
| 1/10/2018 | 01:10 | 0 | N | 1/10/2018 | 08:05 | 0 | --- | 1/10/2018 | 15:00 | 0 | SSE |
| 1/10/2018 | 01:15 | 0 | --- | 1/10/2018 | 08:10 | 0.9 | SW | 1/10/2018 | 15:05 | 0 | --- |
| 1/10/2018 | 01:20 | 0.9 | WNW | 1/10/2018 | 08:15 | 0 | --- | 1/10/2018 | 15:10 | 0 | --- |
| 1/10/2018 | 01:25 | 0 | --- | 1/10/2018 | 08:20 | 0.4 | W | 1/10/2018 | 15:15 | 0 | SSW |
| 1/10/2018 | 01:30 | 0.4 | NNE | 1/10/2018 | 08:25 | 0.9 | N | 1/10/2018 | 15:20 | 3.6 | WSW |
| 1/10/2018 | 01:35 | 0 | --- | 1/10/2018 | 08:30 | 0 | S | 1/10/2018 | 15:25 | 0 | S |
| 1/10/2018 | 01:40 | 0 | --- | 1/10/2018 | 08:35 | 0 | --- | 1/10/2018 | 15:30 | 0 | --- |
| 1/10/2018 | 01:45 | 0.4 | S | 1/10/2018 | 08:40 | 0.4 | S | 1/10/2018 | 15:35 | 0.9 | ENE |
| 1/10/2018 | 01:50 | 0.4 | NE | 1/10/2018 | 08:45 | 0 | --- | 1/10/2018 | 15:40 | 0.4 | N |
| 1/10/2018 | 01:55 | 0 | SSE | 1/10/2018 | 08:50 | 0 | S | 1/10/2018 | 15:45 | 0 | --- |
| 1/10/2018 | 02:00 | 0 | WSW | 1/10/2018 | 08:55 | 0.9 | W | 1/10/2018 | 15:50 | 0 | --- |
| 1/10/2018 | 02:05 | 0.4 | NNE | 1/10/2018 | 09:00 | 0.9 | NNW | 1/10/2018 | 15:55 | 1.8 | WSW |
| 1/10/2018 | 02:10 | 0 | --- | 1/10/2018 | 09:05 | 0.9 | ESE | 1/10/2018 | 16:00 | 0 | SSE |
| 1/10/2018 | 02:15 | 0 | --- | 1/10/2018 | 09:10 | 1.3 | WSW | 1/10/2018 | 16:05 | 0.9 | N |
| 1/10/2018 | 02:20 | 0.9 | ENE | 1/10/2018 | 09:15 | 0 | --- | 1/10/2018 | 16:10 | 1.3 | NW |
| 1/10/2018 | 02:25 | 0.9 | ENE | 1/10/2018 | 09:20 | 0.4 | ESE | 1/10/2018 | 16:15 | 0.4 | N |
| 1/10/2018 | 02:30 | 0.4 | WSW | 1/10/2018 | 09:25 | 0 | --- | 1/10/2018 | 16:20 | 0.9 | NE |
| 1/10/2018 | 02:35 | 0 | --- | 1/10/2018 | 09:30 | 0 | --- | 1/10/2018 | 16:25 | 0 | E |
| 1/10/2018 | 02:40 | 0.4 | ESE | 1/10/2018 | 09:35 | 0 | --- | 1/10/2018 | 16:30 | 0 | --- |
| 1/10/2018 | 02:45 | 0.9 | SW | 1/10/2018 | 09:40 | 0 | --- | 1/10/2018 | 16:35 | 0 | --- |
| 1/10/2018 | 02:50 | 0 | --- | 1/10/2018 | 09:45 | 1.3 | WSW | 1/10/2018 | 16:40 | 1.3 | NW |
| 1/10/2018 | 02:55 | 0 | --- | 1/10/2018 | 09:50 | 1.8 | ENE | 1/10/2018 | 16:45 | 0 | --- |
| 1/10/2018 | 03:00 | 0.4 | SW | 1/10/2018 | 09:55 | 1.3 | E | 1/10/2018 | 16:50 | 0 | --- |
| 1/10/2018 | 03:05 | 0 | --- | 1/10/2018 | 10:00 | 0.9 | NNW | 1/10/2018 | 16:55 | 0 | --- |
| 1/10/2018 | 03:10 | 0 | --- | 1/10/2018 | 10:05 | 0 | --- | 1/10/2018 | 17:00 | 1.3 | N |
| 1/10/2018 | 03:15 | 2.2 | W | 1/10/2018 | 10:10 | 0.9 | NE | 1/10/2018 | 17:05 | 0 | --- |
| 1/10/2018 | 03:20 | 0.4 | NNW | 1/10/2018 | 10:15 | 0.4 | WNW | 1/10/2018 | 17:10 | 0 | SSE |
| 1/10/2018 | 03:25 | 1.3 | E | 1/10/2018 | 10:20 | 1.3 | ENE | 1/10/2018 | 17:15 | 0.4 | SSW |
| 1/10/2018 | 03:30 | 0.9 | NW | 1/10/2018 | 10:25 | 0.4 | NE | 1/10/2018 | 17:20 | 0 | --- |
| 1/10/2018 | 03:35 | 2.7 | WSW | 1/10/2018 | 10:30 | 0.9 | W | 1/10/2018 | 17:25 | 0 | --- |
| 1/10/2018 | 03:40 | 0 | S | 1/10/2018 | 10:35 | 0 | --- | 1/10/2018 | 17:30 | 0 | WSW |
| 1/10/2018 | 03:45 | 0.4 | S | 1/10/2018 | 10:40 | 0.9 | NNW | 1/10/2018 | 17:35 | 2.7 | E |
| 1/10/2018 | 03:50 | 0.9 | SW | 1/10/2018 | 10:45 | 0.4 | ENE | 1/10/2018 | 17:40 | 0.9 | WSW |
| 1/10/2018 | 03:55 | 0 | --- | 1/10/2018 | 10:50 | 0.9 | ENE | 1/10/2018 | 17:45 | 0 | --- |
| 1/10/2018 | 04:00 | 0.9 | NE | 1/10/2018 | 10:55 | 0 | --- | 1/10/2018 | 17:50 | 1.3 | WSW |
| 1/10/2018 | 04:05 | 0.9 | WSW | 1/10/2018 | 11:00 | 1.3 | ENE | 1/10/2018 | 17:55 | 1.8 | W |
| 1/10/2018 | 04:10 | 0 | --- | 1/10/2018 | 11:05 | 0 | --- | 1/10/2018 | 18:00 | 0 | --- |
| 1/10/2018 | 04:15 | 0.9 | WSW | 1/10/2018 | 11:10 | 0 | --- | 1/10/2018 | 18:05 | 0 | --- |
| 1/10/2018 | 04:20 | 2.7 | WSW | 1/10/2018 | 11:15 | 0.9 | NNE | 1/10/2018 | 18:10 | 0 | S |
| 1/10/2018 | 04:25 | 0 | --- | 1/10/2018 | 11:20 | 2.2 | SW | 1/10/2018 | 18:15 | 0.4 | ENE |
| 1/10/2018 | 04:30 | 0 | E | 1/10/2018 | 11:25 | 0 | --- | 1/10/2018 | 18:20 | 0.9 | S |
| 1/10/2018 | 04:35 | 0 | --- | 1/10/2018 | 11:30 | 0 | --- | 1/10/2018 | 18:25 | 1.3 | SW |
| 1/10/2018 | 04:40 | 0 | --- | 1/10/2018 | 11:35 | 0.9 | ENE | 1/10/2018 | 18:30 | 0 | --- |
| 1/10/2018 | 04:45 | 0.4 | NE | 1/10/2018 | 11:40 | 0 | --- | 1/10/2018 | 18:35 | 0.9 | NNW |
| 1/10/2018 | 04:50 | 0 | --- | 1/10/2018 | 11:45 | 0 | --- | 1/10/2018 | 18:40 | 1.8 | NW |
| 1/10/2018 | 04:55 | 0 | --- | 1/10/2018 | 11:50 | 0.4 | SW | 1/10/2018 | 18:45 | 0 | --- |
| 1/10/2018 | 05:00 | 0 | --- | 1/10/2018 | 11:55 | 0 | --- | 1/10/2018 | 18:50 | 0 | --- |
| 1/10/2018 | 05:05 | 0 | --- | 1/10/2018 | 12:00 | 1.8 | SW | 1/10/2018 | 18:55 | 0 | SSE |
| 1/10/2018 | 05:10 | 0.9 | SW | 1/10/2018 | 12:05 | 0 | --- | 1/10/2018 | 19:00 | 0.9 | NNE |
| 1/10/2018 | 05:15 | 0 | --- | 1/10/2018 | 12:10 | 0 | SSE | 1/10/2018 | 19:05 | 0.9 | NE |
| 1/10/2018 | 05:20 | 2.2 | WSW | 1/10/2018 | 12:15 | 0 | SSE | 1/10/2018 | 19:10 | 0.9 | NNE |
| 1/10/2018 | 05:25 | 0.9 | NW | 1/10/2018 | 12:20 | 0.4 | SE | 1/10/2018 | 19:15 | 0.4 | S |
| 1/10/2018 | 05:30 | 0 | WSW | 1/10/2018 | 12:25 | 1.3 | ENE | 1/10/2018 | 19:20 | 0 | --- |
| 1/10/2018 | 05:35 | 0 | --- | 1/10/2018 | 12:30 | 0 | --- | 1/10/2018 | 19:25 | 3.6 | WSW |
| 1/10/2018 | 05:40 | 0 | --- | 1/10/2018 | 12:35 | 0.4 | NE | 1/10/2018 | 19:30 | 0 | WSW |
| 1/10/2018 | 05:45 | 0.4 | S | 1/10/2018 | 12:40 | 0 | --- | 1/10/2018 | 19:35 | 0 | --- |
| 1/10/2018 | 05:50 | 0 | --- | 1/10/2018 | 12:45 | 0.4 | E | 1/10/2018 | 19:40 | 1.3 | NW |
| 1/10/2018 | 05:55 | 0 | --- | 1/10/2018 | 12:50 | 0.9 | SW | 1/10/2018 | 19:45 | 1.3 | S |
| 1/10/2018 | 06:00 | 2.2 | W | 1/10/2018 | 12:55 | 2.7 | WSW | 1/10/2018 | 19:50 | 0 | SSE |
| 1/10/2018 | 06:05 | 0.4 | NE | 1/10/2018 | 13:00 | 1.3 | N | 1/10/2018 | 19:55 | 0.9 | WSW |
| 1/10/2018 | 06:10 | 1.3 | SW | 1/10/2018 | 13:05 | 0.9 | NW | 1/10/2018 | 20:00 | 0.9 | SW |
| 1/10/2018 | 06:15 | 0 | WSW | 1/10/2018 | 13:10 | 0 | --- | 1/10/2018 | 20:05 | 0 | --- |
| 1/10/2018 | 06:20 | 0 | ESE | 1/10/2018 | 13:15 | 0.4 | N | 1/10/2018 | 20:10 | 2.2 | W |
| 1/10/2018 | 06:25 | 0 | --- | 1/10/2018 | 13:20 | 0.4 | E | 1/10/2018 | 20:15 | 1.8 | ENE |
| 1/10/2018 | 06:30 | 0.9 | WNW | 1/10/2018 | 13:25 | 0 | --- | 1/10/2018 | 20:20 | 0.4 | ESE |
| 1/10/2018 | 06:35 | 0 | SSE | 1/10/2018 | 13:30 | 0 | --- | 1/10/2018 | 20:25 | 0 | SSE |
| 1/10/2018 | 06:40 | 0.9 | SW | 1/10/2018 | 13:35 | 0 | --- | 1/10/2018 | 20:30 | 0.9 | SW |
| 1/10/2018 | 06:45 | 0 | --- | 1/10/2018 | 13:40 | 0 | --- | 1/10/2018 | 20:35 | 0.4 | ENE |
| 1/10/2018 | 06:50 | 0.9 | WNW | 1/10/2018 | 13:45 | 2.2 | SW | 1/10/2018 | 20:40 | 2.2 | WSW |
| 1/10/2018 | 06:55 | 0.4 | NE | 1/10/2018 | 13:50 | 0 | --- | 1/10/2018 | 20:45 | 0.9 | S |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/10/2018 | 20:50 | 1.8 | N | 2/10/2018 | 03:45 | 1.3 | WNW | 2/10/2018 | 10:40 | 1.3 | NNE |
| 1/10/2018 | 20:55 | 0.4 | ESE | 2/10/2018 | 03:50 | 3.6 | ENE | 2/10/2018 | 10:45 | 1.3 | WNW |
| 1/10/2018 | 21:00 | 0.4 | NNE | 2/10/2018 | 03:55 | 2.2 | NE | 2/10/2018 | 10:50 | 7.6 | ENE |
| 1/10/2018 | 21:05 | 0 | S | 2/10/2018 | 04:00 | 4.9 | E | 2/10/2018 | 10:55 | 1.3 | SSW |
| 1/10/2018 | 21:10 | 0.4 | WSW | 2/10/2018 | 04:05 | 1.3 | W | 2/10/2018 | 11:00 | 4.5 | E |
| 1/10/2018 | 21:15 | 0 | --- | 2/10/2018 | 04:10 | 4.5 | ENE | 2/10/2018 | 11:05 | 1.3 | NNE |
| 1/10/2018 | 21:20 | 0 | --- | 2/10/2018 | 04:15 | 1.3 | WNW | 2/10/2018 | 11:10 | 1.3 | NNE |
| 1/10/2018 | 21:25 | 0 | --- | 2/10/2018 | 04:20 | 1.3 | W | 2/10/2018 | 11:15 | 0.4 | NE |
| 1/10/2018 | 21:30 | 1.3 | N | 2/10/2018 | 04:25 | 4.9 | E | 2/10/2018 | 11:20 | 1.3 | W |
| 1/10/2018 | 21:35 | 0 | --- | 2/10/2018 | 04:30 | 8.5 | ENE | 2/10/2018 | 11:25 | 4.5 | ENE |
| 1/10/2018 | 21:40 | 0.9 | N | 2/10/2018 | 04:35 | 1.3 | WNW | 2/10/2018 | 11:30 | 7.6 | ENE |
| 1/10/2018 | 21:45 | 0 | --- | 2/10/2018 | 04:40 | 7.2 | E | 2/10/2018 | 11:35 | 0.9 | NE |
| 1/10/2018 | 21:50 | 0 | --- | 2/10/2018 | 04:45 | 4.5 | ENE | 2/10/2018 | 11:40 | 1.8 | NE |
| 1/10/2018 | 21:55 | 0 | --- | 2/10/2018 | 04:50 | 3.1 | E | 2/10/2018 | 11:45 | 4.5 | E |
| 1/10/2018 | 22:00 | 0.9 | NE | 2/10/2018 | 04:55 | 4.5 | E | 2/10/2018 | 11:50 | 1.3 | WNW |
| 1/10/2018 | 22:05 | 0 | --- | 2/10/2018 | 05:00 | 4.5 | E | 2/10/2018 | 11:55 | 4.5 | E |
| 1/10/2018 | 22:10 | 1.8 | SW | 2/10/2018 | 05:05 | 0.4 | NE | 2/10/2018 | 12:00 | 2.2 | NW |
| 1/10/2018 | 22:15 | 0.9 | WSW | 2/10/2018 | 05:10 | 4.9 | NE | 2/10/2018 | 12:05 | 4 | ENE |
| 1/10/2018 | 22:20 | 0.4 | NE | 2/10/2018 | 05:15 | 3.6 | NE | 2/10/2018 | 12:10 | 7.6 | ENE |
| 1/10/2018 | 22:25 | 0.4 | NNW | 2/10/2018 | 05:20 | 4.9 | NE | 2/10/2018 | 12:15 | 1.8 | WNW |
| 1/10/2018 | 22:30 | 0 | --- | 2/10/2018 | 05:25 | 4.9 | E | 2/10/2018 | 12:20 | 7.2 | ENE |
| 1/10/2018 | 22:35 | 0.4 | SW | 2/10/2018 | 05:30 | 4.5 | NE | 2/10/2018 | 12:25 | 5.8 | E |
| 1/10/2018 | 22:40 | 3.1 | WSW | 2/10/2018 | 05:35 | 1.3 | WNW | 2/10/2018 | 12:30 | 4.5 | E |
| 1/10/2018 | 22:45 | 0.4 | W | 2/10/2018 | 05:40 | 4.9 | E | 2/10/2018 | 12:35 | 2.2 | NE |
| 1/10/2018 | 22:50 | 0.4 | S | 2/10/2018 | 05:45 | 5.8 | ENE | 2/10/2018 | 12:40 | 5.4 | E |
| 1/10/2018 | 22:55 | 1.3 | ENE | 2/10/2018 | 05:50 | 4.9 | E | 2/10/2018 | 12:45 | 5.8 | ENE |
| 1/10/2018 | 23:00 | 0 | --- | 2/10/2018 | 05:55 | 5.8 | ENE | 2/10/2018 | 12:50 | 1.3 | WNW |
| 1/10/2018 | 23:05 | 1.3 | SW | 2/10/2018 | 06:00 | 5.4 | E | 2/10/2018 | 12:55 | 5.4 | ENE |
| 1/10/2018 | 23:10 | 1.8 | ENE | 2/10/2018 | 06:05 | 1.8 | WNW | 2/10/2018 | 13:00 | 3.1 | NNE |
| 1/10/2018 | 23:15 | 0.4 | SE | 2/10/2018 | 06:10 | 3.6 | NE | 2/10/2018 | 13:05 | 3.1 | ENE |
| 1/10/2018 | 23:20 | 0 | --- | 2/10/2018 | 06:15 | 4.5 | E | 2/10/2018 | 13:10 | 4.9 | ENE |
| 1/10/2018 | 23:25 | 0 | NNE | 2/10/2018 | 06:20 | 4.5 | E | 2/10/2018 | 13:15 | 1.8 | NE |
| 1/10/2018 | 23:30 | 0 | --- | 2/10/2018 | 06:25 | 4.9 | E | 2/10/2018 | 13:20 | 1.8 | N |
| 1/10/2018 | 23:35 | 0 | N | 2/10/2018 | 06:30 | 1.3 | WNW | 2/10/2018 | 13:25 | 8 | ENE |
| 1/10/2018 | 23:40 | 0.4 | NNE | 2/10/2018 | 06:35 | 6.3 | NE | 2/10/2018 | 13:30 | 3.1 | ENE |
| 1/10/2018 | 23:45 | 0 | --- | 2/10/2018 | 06:40 | 2.7 | E | 2/10/2018 | 13:35 | 3.1 | ENE |
| 1/10/2018 | 23:50 | 0.4 | W | 2/10/2018 | 06:45 | 4.5 | NE | 2/10/2018 | 13:40 | 0.9 | NE |
| 1/10/2018 | 23:55 | 0 | --- | 2/10/2018 | 06:50 | 1.3 | WNW | 2/10/2018 | 13:45 | 6.7 | NE |
| 2/10/2018 | 00:00 | 3.6 | WSW | 2/10/2018 | 06:55 | 2.2 | ENE | 2/10/2018 | 13:50 | 4.9 | ENE |
| 2/10/2018 | 00:05 | 4 | E | 2/10/2018 | 07:00 | 1.8 | N | 2/10/2018 | 13:55 | 1.8 | N |
| 2/10/2018 | 00:10 | 4.9 | E | 2/10/2018 | 07:05 | 1.8 | WNW | 2/10/2018 | 14:00 | 1.8 | NE |
| 2/10/2018 | 00:15 | 1.3 | W | 2/10/2018 | 07:10 | 1.8 | NE | 2/10/2018 | 14:05 | 3.6 | NE |
| 2/10/2018 | 00:20 | 1.3 | NNE | 2/10/2018 | 07:15 | 5.8 | ENE | 2/10/2018 | 14:10 | 2.2 | NE |
| 2/10/2018 | 00:25 | 1.3 | NNE | 2/10/2018 | 07:20 | 4.9 | E | 2/10/2018 | 14:15 | 3.6 | ENE |
| 2/10/2018 | 00:30 | 3.6 | ENE | 2/10/2018 | 07:25 | 4.9 | NE | 2/10/2018 | 14:20 | 1.3 | WNW |
| 2/10/2018 | 00:35 | 1.3 | NNE | 2/10/2018 | 07:30 | 2.7 | NNE | 2/10/2018 | 14:25 | 4.5 | E |
| 2/10/2018 | 00:40 | 3.1 | NNE | 2/10/2018 | 07:35 | 5.4 | E | 2/10/2018 | 14:30 | 1.8 | WNW |
| 2/10/2018 | 00:45 | 8 | ENE | 2/10/2018 | 07:40 | 4 | ENE | 2/10/2018 | 14:35 | 6.3 | ENE |
| 2/10/2018 | 00:50 | 4.5 | NE | 2/10/2018 | 07:45 | 1.3 | WNW | 2/10/2018 | 14:40 | 7.2 | ENE |
| 2/10/2018 | 00:55 | 4.5 | E | 2/10/2018 | 07:50 | 4.5 | E | 2/10/2018 | 14:45 | 1.3 | NNE |
| 2/10/2018 | 01:00 | 6.3 | E | 2/10/2018 | 07:55 | 6.7 | ENE | 2/10/2018 | 14:50 | 1.3 | NNE |
| 2/10/2018 | 01:05 | 0.9 | NE | 2/10/2018 | 08:00 | 1.3 | WNW | 2/10/2018 | 14:55 | 4.9 | ENE |
| 2/10/2018 | 01:10 | 4.9 | ENE | 2/10/2018 | 08:05 | 1.3 | NNE | 2/10/2018 | 15:00 | 3.6 | NE |
| 2/10/2018 | 01:15 | 3.6 | ENE | 2/10/2018 | 08:10 | 4.9 | NE | 2/10/2018 | 15:05 | 2.7 | E |
| 2/10/2018 | 01:20 | 4.9 | E | 2/10/2018 | 08:15 | 0.9 | NE | 2/10/2018 | 15:10 | 3.6 | ENE |
| 2/10/2018 | 01:25 | 2.7 | ENE | 2/10/2018 | 08:20 | 2.2 | ENE | 2/10/2018 | 15:15 | 1.3 | WNW |
| 2/10/2018 | 01:30 | 1.8 | NE | 2/10/2018 | 08:25 | 4.9 | ENE | 2/10/2018 | 15:20 | 1.3 | W |
| 2/10/2018 | 01:35 | 4.5 | E | 2/10/2018 | 08:30 | 8 | ENE | 2/10/2018 | 15:25 | 5.4 | E |
| 2/10/2018 | 01:40 | 4.9 | ENE | 2/10/2018 | 08:35 | 7.2 | E | 2/10/2018 | 15:30 | 1.8 | N |
| 2/10/2018 | 01:45 | 4.5 | ENE | 2/10/2018 | 08:40 | 4.9 | NE | 2/10/2018 | 15:35 | 4.5 | E |
| 2/10/2018 | 01:50 | 4.5 | NE | 2/10/2018 | 08:45 | 5.4 | ENE | 2/10/2018 | 15:40 | 6.7 | ENE |
| 2/10/2018 | 01:55 | 4.9 | NE | 2/10/2018 | 08:50 | 4.5 | NE | 2/10/2018 | 15:45 | 5.4 | ENE |
| 2/10/2018 | 02:00 | 4.5 | E | 2/10/2018 | 08:55 | 1.8 | W | 2/10/2018 | 15:50 | 4.5 | E |
| 2/10/2018 | 02:05 | 5.8 | E | 2/10/2018 | 09:00 | 2.7 | WNW | 2/10/2018 | 15:55 | 2.2 | ENE |
| 2/10/2018 | 02:10 | 1.8 | NE | 2/10/2018 | 09:05 | 1.3 | NNE | 2/10/2018 | 16:00 | 5.4 | ENE |
| 2/10/2018 | 02:15 | 7.2 | ENE | 2/10/2018 | 09:10 | 1.3 | WNW | 2/10/2018 | 16:05 | 1.3 | W |
| 2/10/2018 | 02:20 | 2.2 | ENE | 2/10/2018 | 09:15 | 1.3 | WNW | 2/10/2018 | 16:10 | 1.8 | N |
| 2/10/2018 | 02:25 | 1.3 | WNW | 2/10/2018 | 09:20 | 0.9 | NE | 2/10/2018 | 16:15 | 4.5 | NE |
| 2/10/2018 | 02:30 | 4.9 | E | 2/10/2018 | 09:25 | 1.3 | W | 2/10/2018 | 16:20 | 6.7 | ENE |
| 2/10/2018 | 02:35 | 4.9 | E | 2/10/2018 | 09:30 | 2.2 | ENE | 2/10/2018 | 16:25 | 5.8 | ENE |
| 2/10/2018 | 02:40 | 5.8 | ENE | 2/10/2018 | 09:35 | 4.9 | ENE | 2/10/2018 | 16:30 | 5.8 | ENE |
| 2/10/2018 | 02:45 | 2.7 | E | 2/10/2018 | 09:40 | 6.7 | E | 2/10/2018 | 16:35 | 2.7 | E |
| 2/10/2018 | 02:50 | 6.3 | ENE | 2/10/2018 | 09:45 | 5.8 | ENE | 2/10/2018 | 16:40 | 1.8 | N |
| 2/10/2018 | 02:55 | 1.3 | W | 2/10/2018 | 09:50 | 8.5 | ENE | 2/10/2018 | 16:45 | 3.1 | NE |
| 2/10/2018 | 03:00 | 1.8 | WNW | 2/10/2018 | 09:55 | 4.5 | ENE | 2/10/2018 | 16:50 | 6.3 | NE |
| 2/10/2018 | 03:05 | 1.3 | NNE | 2/10/2018 | 10:00 | 1.3 | W | 2/10/2018 | 16:55 | 4.5 | E |
| 2/10/2018 | 03:10 | 0.9 | NE | 2/10/2018 | 10:05 | 3.1 | NE | 2/10/2018 | 17:00 | 1.3 | WNW |
| 2/10/2018 | 03:15 | 4.9 | ENE | 2/10/2018 | 10:10 | 4.9 | ENE | 2/10/2018 | 17:05 | 4.5 | E |
| 2/10/2018 | 03:20 | 4.9 | NE | 2/10/2018 | 10:15 | 4.9 | E | 2/10/2018 | 17:10 | 4.5 | E |
| 2/10/2018 | 03:25 | 2.7 | E | 2/10/2018 | 10:20 | 4.5 | ENE | 2/10/2018 | 17:15 | 4.5 | E |
| 2/10/2018 | 03:30 | 6.3 | E | 2/10/2018 | 10:25 | 4.9 | E | 2/10/2018 | 17:20 | 1.3 | WNW |
| 2/10/2018 | 03:35 | 2.2 | NW | 2/10/2018 | 10:30 | 4.9 | E | 2/10/2018 | 17:25 | 1.8 | N |
| 2/10/2018 | 03:40 | 1.3 | W | 2/10/2018 | 10:35 | 6.7 | NE | 2/10/2018 | 17:30 | 4.9 | E |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/10/2018 | 17:35 | 4.5 | ENE | 3/10/2018 | 00:30 | 4.9 | E | 3/10/2018 | 07:25 | 4.5 | E |
| 2/10/2018 | 17:40 | 3.6 | ENE | 3/10/2018 | 00:35 | 2.7 | ENE | 3/10/2018 | 07:30 | 0.9 | ESE |
| 2/10/2018 | 17:45 | 5.8 | E | 3/10/2018 | 00:40 | 2.7 | ESE | 3/10/2018 | 07:35 | 2.2 | E |
| 2/10/2018 | 17:50 | 1.3 | W | 3/10/2018 | 00:45 | 1.8 | E | 3/10/2018 | 07:40 | 1.3 | ENE |
| 2/10/2018 | 17:55 | 4 | ENE | 3/10/2018 | 00:50 | 5.4 | ENE | 3/10/2018 | 07:45 | 2.2 | ENE |
| 2/10/2018 | 18:00 | 1.8 | N | 3/10/2018 | 00:55 | 5.8 | E | 3/10/2018 | 07:50 | 4.9 | E |
| 2/10/2018 | 18:05 | 2.7 | E | 3/10/2018 | 01:00 | 4.9 | E | 3/10/2018 | 07:55 | 4.9 | E |
| 2/10/2018 | 18:10 | 3.6 | NE | 3/10/2018 | 01:05 | 5.8 | ENE | 3/10/2018 | 08:00 | 6.7 | E |
| 2/10/2018 | 18:15 | 1.8 | WNW | 3/10/2018 | 01:10 | 1.8 | ENE | 3/10/2018 | 08:05 | 1.8 | ENE |
| 2/10/2018 | 18:20 | 3.1 | NNE | 3/10/2018 | 01:15 | 2.2 | NE | 3/10/2018 | 08:10 | 5.8 | ENE |
| 2/10/2018 | 18:25 | 5.4 | E | 3/10/2018 | 01:20 | 2.2 | NE | 3/10/2018 | 08:15 | 4 | ENE |
| 2/10/2018 | 18:30 | 4.9 | E | 3/10/2018 | 01:25 | 4 | E | 3/10/2018 | 08:20 | 6.7 | ENE |
| 2/10/2018 | 18:35 | 7.2 | ENE | 3/10/2018 | 01:30 | 2.7 | ENE | 3/10/2018 | 08:25 | 3.6 | NE |
| 2/10/2018 | 18:40 | 5.4 | ENE | 3/10/2018 | 01:35 | 2.7 | ENE | 3/10/2018 | 08:30 | 2.7 | E |
| 2/10/2018 | 18:45 | 4.9 | E | 3/10/2018 | 01:40 | 5.8 | E | 3/10/2018 | 08:35 | 3.1 | ENE |
| 2/10/2018 | 18:50 | 7.2 | ENE | 3/10/2018 | 01:45 | 3.1 | ENE | 3/10/2018 | 08:40 | 3.1 | E |
| 2/10/2018 | 18:55 | 3.1 | ENE | 3/10/2018 | 01:50 | 2.2 | E | 3/10/2018 | 08:45 | 4.5 | E |
| 2/10/2018 | 19:00 | 1.8 | N | 3/10/2018 | 01:55 | 5.8 | E | 3/10/2018 | 08:50 | 4.5 | ENE |
| 2/10/2018 | 19:05 | 1.3 | NNE | 3/10/2018 | 02:00 | 4.5 | ENE | 3/10/2018 | 08:55 | 3.6 | E |
| 2/10/2018 | 19:10 | 1.3 | W | 3/10/2018 | 02:05 | 4.9 | ENE | 3/10/2018 | 09:00 | 6.3 | E |
| 2/10/2018 | 19:15 | 5.8 | E | 3/10/2018 | 02:10 | 1.8 | E | 3/10/2018 | 09:05 | 6.3 | E |
| 2/10/2018 | 19:20 | 7.2 | ENE | 3/10/2018 | 02:15 | 5.8 | E | 3/10/2018 | 09:10 | 3.6 | ENE |
| 2/10/2018 | 19:25 | 4.5 | ENE | 3/10/2018 | 02:20 | 2.7 | E | 3/10/2018 | 09:15 | 2.7 | E |
| 2/10/2018 | 19:30 | 1.3 | NNE | 3/10/2018 | 02:25 | 1.8 | E | 3/10/2018 | 09:20 | 2.7 | ENE |
| 2/10/2018 | 19:35 | 4.5 | ENE | 3/10/2018 | 02:30 | 4.5 | E | 3/10/2018 | 09:25 | 5.4 | E |
| 2/10/2018 | 19:40 | 4.5 | ENE | 3/10/2018 | 02:35 | 2.7 | NE | 3/10/2018 | 09:30 | 2.2 | NE |
| 2/10/2018 | 19:45 | 1.3 | WNW | 3/10/2018 | 02:40 | 3.1 | E | 3/10/2018 | 09:35 | 5.4 | ENE |
| 2/10/2018 | 19:50 | 1.3 | NNE | 3/10/2018 | 02:45 | 4.5 | ENE | 3/10/2018 | 09:40 | 1.8 | NE |
| 2/10/2018 | 19:55 | 1.8 | N | 3/10/2018 | 02:50 | 4.9 | NE | 3/10/2018 | 09:45 | 2.7 | ENE |
| 2/10/2018 | 20:00 | 2.2 | ENE | 3/10/2018 | 02:55 | 4.9 | ENE | 3/10/2018 | 09:50 | 2.2 | ENE |
| 2/10/2018 | 20:05 | 4.9 | ENE | 3/10/2018 | 03:00 | 4.5 | E | 3/10/2018 | 09:55 | 3.6 | ENE |
| 2/10/2018 | 20:10 | 4.9 | NE | 3/10/2018 | 03:05 | 4 | E | 3/10/2018 | 10:00 | 3.6 | E |
| 2/10/2018 | 20:15 | 8 | E | 3/10/2018 | 03:10 | 5.8 | E | 3/10/2018 | 10:05 | 4 | E |
| 2/10/2018 | 20:20 | 1.8 | N | 3/10/2018 | 03:15 | 5.8 | ENE | 3/10/2018 | 10:10 | 3.6 | E |
| 2/10/2018 | 20:25 | 7.6 | ENE | 3/10/2018 | 03:20 | 5.8 | E | 3/10/2018 | 10:15 | 5.4 | ENE |
| 2/10/2018 | 20:30 | 2.7 | WNW | 3/10/2018 | 03:25 | 5.4 | ENE | 3/10/2018 | 10:20 | 2.7 | ENE |
| 2/10/2018 | 20:35 | 1.8 | N | 3/10/2018 | 03:30 | 5.4 | ENE | 3/10/2018 | 10:25 | 2.7 | E |
| 2/10/2018 | 20:40 | 1.8 | W | 3/10/2018 | 03:35 | 5.8 | ENE | 3/10/2018 | 10:30 | 6.7 | ENE |
| 2/10/2018 | 20:45 | 5.8 | E | 3/10/2018 | 03:40 | 4.5 | E | 3/10/2018 | 10:35 | 5.8 | E |
| 2/10/2018 | 20:50 | 4.5 | NE | 3/10/2018 | 03:45 | 5.4 | E | 3/10/2018 | 10:40 | 3.1 | ENE |
| 2/10/2018 | 20:55 | 4.9 | E | 3/10/2018 | 03:50 | 4.5 | ENE | 3/10/2018 | 10:45 | 3.1 | ENE |
| 2/10/2018 | 21:00 | 2.2 | ENE | 3/10/2018 | 03:55 | 2.2 | E | 3/10/2018 | 10:50 | 2.2 | E |
| 2/10/2018 | 21:05 | 6.3 | ENE | 3/10/2018 | 04:00 | 5.4 | E | 3/10/2018 | 10:55 | 5.8 | ENE |
| 2/10/2018 | 21:10 | 6.7 | E | 3/10/2018 | 04:05 | 4 | E | 3/10/2018 | 11:00 | 1.8 | E |
| 2/10/2018 | 21:15 | 1.8 | N | 3/10/2018 | 04:10 | 1.3 | NE | 3/10/2018 | 11:05 | 3.6 | ENE |
| 2/10/2018 | 21:20 | 2.7 | E | 3/10/2018 | 04:15 | 4 | E | 3/10/2018 | 11:10 | 2.7 | E |
| 2/10/2018 | 21:25 | 1.3 | NNE | 3/10/2018 | 04:20 | 5.8 | ENE | 3/10/2018 | 11:15 | 2.2 | ENE |
| 2/10/2018 | 21:30 | 5.8 | E | 3/10/2018 | 04:25 | 1.8 | ENE | 3/10/2018 | 11:20 | 5.8 | ENE |
| 2/10/2018 | 21:35 | 5.4 | ENE | 3/10/2018 | 04:30 | 5.4 | NE | 3/10/2018 | 11:25 | 6.3 | E |
| 2/10/2018 | 21:40 | 1.8 | NE | 3/10/2018 | 04:35 | 1.8 | E | 3/10/2018 | 11:30 | 4.9 | ENE |
| 2/10/2018 | 21:45 | 4.9 | NE | 3/10/2018 | 04:40 | 4.9 | E | 3/10/2018 | 11:35 | 5.8 | ENE |
| 2/10/2018 | 21:50 | 4.5 | ENE | 3/10/2018 | 04:45 | 3.1 | E | 3/10/2018 | 11:40 | 4.5 | ENE |
| 2/10/2018 | 21:55 | 3.1 | NE | 3/10/2018 | 04:50 | 1.8 | NE | 3/10/2018 | 11:45 | 3.6 | E |
| 2/10/2018 | 22:00 | 4.5 | ENE | 3/10/2018 | 04:55 | 2.2 | E | 3/10/2018 | 11:50 | 6.3 | E |
| 2/10/2018 | 22:05 | 5.4 | E | 3/10/2018 | 05:00 | 3.6 | ENE | 3/10/2018 | 11:55 | 4.5 | E |
| 2/10/2018 | 22:10 | 4.5 | E | 3/10/2018 | 05:05 | 4.9 | E | 3/10/2018 | 12:00 | 3.6 | ENE |
| 2/10/2018 | 22:15 | 5.8 | ENE | 3/10/2018 | 05:10 | 1.8 | ENE | 3/10/2018 | 12:05 | 2.7 | ENE |
| 2/10/2018 | 22:20 | 8.5 | ENE | 3/10/2018 | 05:15 | 6.3 | E | 3/10/2018 | 12:10 | 3.1 | ENE |
| 2/10/2018 | 22:25 | 1.8 | E | 3/10/2018 | 05:20 | 6.3 | E | 3/10/2018 | 12:15 | 4.5 | E |
| 2/10/2018 | 22:30 | 1.8 | N | 3/10/2018 | 05:25 | 6.7 | ENE | 3/10/2018 | 12:20 | 5.8 | E |
| 2/10/2018 | 22:35 | 8 | ENE | 3/10/2018 | 05:30 | 4.9 | ENE | 3/10/2018 | 12:25 | 2.7 | E |
| 2/10/2018 | 22:40 | 1.3 | WNW | 3/10/2018 | 05:35 | 1.8 | NE | 3/10/2018 | 12:30 | 4.9 | ENE |
| 2/10/2018 | 22:45 | 1.3 | W | 3/10/2018 | 05:40 | 1.8 | ENE | 3/10/2018 | 12:35 | 4 | ENE |
| 2/10/2018 | 22:50 | 1.3 | WNW | 3/10/2018 | 05:45 | 4.5 | ENE | 3/10/2018 | 12:40 | 5.4 | E |
| 2/10/2018 | 22:55 | 5.8 | ENE | 3/10/2018 | 05:50 | 4.5 | ENE | 3/10/2018 | 12:45 | 4.9 | ENE |
| 2/10/2018 | 23:00 | 1.8 | N | 3/10/2018 | 05:55 | 4.5 | E | 3/10/2018 | 12:50 | 3.1 | E |
| 2/10/2018 | 23:05 | 4.9 | E | 3/10/2018 | 06:00 | 4.9 | ENE | 3/10/2018 | 12:55 | 1.8 | E |
| 2/10/2018 | 23:10 | 1.3 | WNW | 3/10/2018 | 06:05 | 4 | NE | 3/10/2018 | 13:00 | 4.9 | ENE |
| 2/10/2018 | 23:15 | 2.2 | NNE | 3/10/2018 | 06:10 | 6.3 | E | 3/10/2018 | 13:05 | 4 | E |
| 2/10/2018 | 23:20 | 6.7 | ENE | 3/10/2018 | 06:15 | 2.2 | E | 3/10/2018 | 13:10 | 5.4 | ENE |
| 2/10/2018 | 23:25 | 2.7 | NNE | 3/10/2018 | 06:20 | 5.8 | ENE | 3/10/2018 | 13:15 | 6.3 | E |
| 2/10/2018 | 23:30 | 4.9 | E | 3/10/2018 | 06:25 | 7.2 | NE | 3/10/2018 | 13:20 | 2.2 | ENE |
| 2/10/2018 | 23:35 | 1.8 | WNW | 3/10/2018 | 06:30 | 6.3 | ENE | 3/10/2018 | 13:25 | 4.9 | ENE |
| 2/10/2018 | 23:40 | 1.3 | W | 3/10/2018 | 06:35 | 4.9 | E | 3/10/2018 | 13:30 | 5.4 | ENE |
| 2/10/2018 | 23:45 | 0.9 | NE | 3/10/2018 | 06:40 | 4.5 | E | 3/10/2018 | 13:35 | 2.7 | E |
| 2/10/2018 | 23:50 | 6.7 | ENE | 3/10/2018 | 06:45 | 1.3 | NE | 3/10/2018 | 13:40 | 1.8 | ENE |
| 2/10/2018 | 23:55 | 1.3 | WNW | 3/10/2018 | 06:50 | 5.4 | E | 3/10/2018 | 13:45 | 1.8 | NE |
| 3/10/2018 | 00:00 | 4.9 | NE | 3/10/2018 | 06:55 | 2.2 | E | 3/10/2018 | 13:50 | 5.4 | ENE |
| 3/10/2018 | 00:05 | 1.8 | E | 3/10/2018 | 07:00 | 1.3 | ENE | 3/10/2018 | 13:55 | 6.3 | E |
| 3/10/2018 | 00:10 | 1.8 | E | 3/10/2018 | 07:05 | 2.7 | ENE | 3/10/2018 | 14:00 | 2.7 | E |
| 3/10/2018 | 00:15 | 1.8 | E | 3/10/2018 | 07:10 | 6.3 | E | 3/10/2018 | 14:05 | 2.7 | E |
| 3/10/2018 | 00:20 | 5.4 | ENE | 3/10/2018 | 07:15 | 3.1 | E | 3/10/2018 | 14:10 | 5.4 | ENE |
| 3/10/2018 | 00:25 | 4.9 | NE | 3/10/2018 | 07:20 | 3.1 | ENE | 3/10/2018 | 14:15 | 5.8 | ENE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/10/2018 | 14:20 | 4.5 | E | 3/10/2018 | 21:15 | 3.1 | E | 4/10/2018 | 04:10 | 0.4 | SSW |
| 3/10/2018 | 14:25 | 1.8 | E | 3/10/2018 | 21:20 | 6.7 | E | 4/10/2018 | 04:15 | 1.3 | NNE |
| 3/10/2018 | 14:30 | 4 | ENE | 3/10/2018 | 21:25 | 2.2 | ENE | 4/10/2018 | 04:20 | 2.7 | ENE |
| 3/10/2018 | 14:35 | 3.1 | ENE | 3/10/2018 | 21:30 | 2.2 | E | 4/10/2018 | 04:25 | 4.9 | NE |
| 3/10/2018 | 14:40 | 4 | ENE | 3/10/2018 | 21:35 | 0.4 | E | 4/10/2018 | 04:30 | 0.9 | WSW |
| 3/10/2018 | 14:45 | 4.9 | E | 3/10/2018 | 21:40 | 1.8 | E | 4/10/2018 | 04:35 | 1.8 | E |
| 3/10/2018 | 14:50 | 2.7 | E | 3/10/2018 | 21:45 | 2.7 | E | 4/10/2018 | 04:40 | 4.9 | NE |
| 3/10/2018 | 14:55 | 5.4 | E | 3/10/2018 | 21:50 | 4 | ENE | 4/10/2018 | 04:45 | 3.6 | ENE |
| 3/10/2018 | 15:00 | 5.8 | E | 3/10/2018 | 21:55 | 1.3 | ENE | 4/10/2018 | 04:50 | 0.9 | N |
| 3/10/2018 | 15:05 | 5.4 | E | 3/10/2018 | 22:00 | 4.9 | ENE | 4/10/2018 | 04:55 | 2.7 | NNE |
| 3/10/2018 | 15:10 | 2.2 | E | 3/10/2018 | 22:05 | 4.9 | E | 4/10/2018 | 05:00 | 0.4 | SW |
| 3/10/2018 | 15:15 | 2.7 | NE | 3/10/2018 | 22:10 | 1.8 | NE | 4/10/2018 | 05:05 | 2.7 | NE |
| 3/10/2018 | 15:20 | 2.2 | ENE | 3/10/2018 | 22:15 | 4 | ENE | 4/10/2018 | 05:10 | 1.3 | NW |
| 3/10/2018 | 15:25 | 1.3 | E | 3/10/2018 | 22:20 | 3.1 | NE | 4/10/2018 | 05:15 | 0.4 | SSW |
| 3/10/2018 | 15:30 | 5.8 | E | 3/10/2018 | 22:25 | 3.6 | E | 4/10/2018 | 05:20 | 0.4 | SSW |
| 3/10/2018 | 15:35 | 6.7 | E | 3/10/2018 | 22:30 | 3.1 | ENE | 4/10/2018 | 05:25 | 4 | NNE |
| 3/10/2018 | 15:40 | 3.1 | ENE | 3/10/2018 | 22:35 | 5.4 | E | 4/10/2018 | 05:30 | 0.4 | S |
| 3/10/2018 | 15:45 | 4 | ENE | 3/10/2018 | 22:40 | 2.2 | ENE | 4/10/2018 | 05:35 | 2.7 | NE |
| 3/10/2018 | 15:50 | 2.7 | ENE | 3/10/2018 | 22:45 | 1.8 | E | 4/10/2018 | 05:40 | 3.6 | NE |
| 3/10/2018 | 15:55 | 4.9 | ENE | 3/10/2018 | 22:50 | 1.8 | ENE | 4/10/2018 | 05:45 | 2.7 | NNE |
| 3/10/2018 | 16:00 | 4.9 | ENE | 3/10/2018 | 22:55 | 5.8 | ENE | 4/10/2018 | 05:50 | 3.1 | NNE |
| 3/10/2018 | 16:05 | 4.9 | ENE | 3/10/2018 | 23:00 | 5.8 | E | 4/10/2018 | 05:55 | 5.4 | NE |
| 3/10/2018 | 16:10 | 5.8 | E | 3/10/2018 | 23:05 | 2.2 | E | 4/10/2018 | 06:00 | 0.4 | SSW |
| 3/10/2018 | 16:15 | 4.9 | E | 3/10/2018 | 23:10 | 7.2 | NE | 4/10/2018 | 06:05 | 0.4 | SSW |
| 3/10/2018 | 16:20 | 2.2 | ENE | 3/10/2018 | 23:15 | 2.7 | E | 4/10/2018 | 06:10 | 1.3 | W |
| 3/10/2018 | 16:25 | 5.4 | ENE | 3/10/2018 | 23:20 | 2.2 | ENE | 4/10/2018 | 06:15 | 1.3 | SW |
| 3/10/2018 | 16:30 | 3.6 | NE | 3/10/2018 | 23:25 | 3.6 | E | 4/10/2018 | 06:20 | 1.3 | E |
| 3/10/2018 | 16:35 | 5.4 | ENE | 3/10/2018 | 23:30 | 1.8 | E | 4/10/2018 | 06:25 | 1.8 | E |
| 3/10/2018 | 16:40 | 4 | E | 3/10/2018 | 23:35 | 1.3 | E | 4/10/2018 | 06:30 | 1.3 | WSW |
| 3/10/2018 | 16:45 | 2.2 | ENE | 3/10/2018 | 23:40 | 1.3 | NNE | 4/10/2018 | 06:35 | 0.4 | E |
| 3/10/2018 | 16:50 | 5.4 | E | 3/10/2018 | 23:45 | 4.5 | E | 4/10/2018 | 06:40 | 0.4 | N |
| 3/10/2018 | 16:55 | 3.1 | E | 3/10/2018 | 23:50 | 4.9 | ENE | 4/10/2018 | 06:45 | 0.9 | NE |
| 3/10/2018 | 17:00 | 4.9 | ENE | 3/10/2018 | 23:55 | 1.8 | E | 4/10/2018 | 06:50 | 0.4 | SW |
| 3/10/2018 | 17:05 | 2.7 | E | 4/10/2018 | 00:00 | 4 | ENE | 4/10/2018 | 06:55 | 0.9 | WNW |
| 3/10/2018 | 17:10 | 2.2 | E | 4/10/2018 | 00:05 | 1.3 | SW | 4/10/2018 | 07:00 | 3.1 | NE |
| 3/10/2018 | 17:15 | 0.4 | E | 4/10/2018 | 00:10 | 2.2 | NE | 4/10/2018 | 07:05 | 1.3 | NNE |
| 3/10/2018 | 17:20 | 2.7 | NE | 4/10/2018 | 00:15 | 0.4 | WSW | 4/10/2018 | 07:10 | 3.6 | ENE |
| 3/10/2018 | 17:25 | 2.2 | NE | 4/10/2018 | 00:20 | 3.1 | NE | 4/10/2018 | 07:15 | 3.6 | NE |
| 3/10/2018 | 17:30 | 4.9 | ENE | 4/10/2018 | 00:25 | 0.4 | SSW | 4/10/2018 | 07:20 | 0.4 | NNE |
| 3/10/2018 | 17:35 | 5.4 | ENE | 4/10/2018 | 00:30 | 0.4 | SSW | 4/10/2018 | 07:25 | 1.3 | SSW |
| 3/10/2018 | 17:40 | 3.1 | E | 4/10/2018 | 00:35 | 2.2 | NE | 4/10/2018 | 07:30 | 2.7 | W |
| 3/10/2018 | 17:45 | 3.1 | ENE | 4/10/2018 | 00:40 | 3.1 | NE | 4/10/2018 | 07:35 | 4 | NE |
| 3/10/2018 | 17:50 | 2.2 | E | 4/10/2018 | 00:45 | 2.7 | NNE | 4/10/2018 | 07:40 | 0.9 | SSW |
| 3/10/2018 | 17:55 | 1.3 | E | 4/10/2018 | 00:50 | 0.4 | SSW | 4/10/2018 | 07:45 | 4 | NE |
| 3/10/2018 | 18:00 | 5.8 | E | 4/10/2018 | 00:55 | 2.2 | E | 4/10/2018 | 07:50 | 4.5 | NE |
| 3/10/2018 | 18:05 | 4 | E | 4/10/2018 | 01:00 | 1.3 | NW | 4/10/2018 | 07:55 | 2.7 | WSW |
| 3/10/2018 | 18:10 | 1.8 | ENE | 4/10/2018 | 01:05 | 0.4 | SSW | 4/10/2018 | 08:00 | 1.8 | NE |
| 3/10/2018 | 18:15 | 4 | E | 4/10/2018 | 01:10 | 0.4 | WNW | 4/10/2018 | 08:05 | 4.5 | ENE |
| 3/10/2018 | 18:20 | 2.7 | E | 4/10/2018 | 01:15 | 0.4 | SSW | 4/10/2018 | 08:10 | 2.7 | ENE |
| 3/10/2018 | 18:25 | 4.5 | E | 4/10/2018 | 01:20 | 0.9 | SSW | 4/10/2018 | 08:15 | 0.9 | WSW |
| 3/10/2018 | 18:30 | 5.8 | ENE | 4/10/2018 | 01:25 | 3.1 | NE | 4/10/2018 | 08:20 | 1.8 | ENE |
| 3/10/2018 | 18:35 | 6.3 | ENE | 4/10/2018 | 01:30 | 1.3 | SW | 4/10/2018 | 08:25 | 1.8 | WNW |
| 3/10/2018 | 18:40 | 4.9 | E | 4/10/2018 | 01:35 | 1.8 | W | 4/10/2018 | 08:30 | 0.4 | N |
| 3/10/2018 | 18:45 | 6.3 | E | 4/10/2018 | 01:40 | 2.2 | WNW | 4/10/2018 | 08:35 | 1.3 | SW |
| 3/10/2018 | 18:50 | 1.8 | E | 4/10/2018 | 01:45 | 2.2 | WNW | 4/10/2018 | 08:40 | 1.3 | ENE |
| 3/10/2018 | 18:55 | 6.7 | ENE | 4/10/2018 | 01:50 | 2.2 | NE | 4/10/2018 | 08:45 | 2.2 | N |
| 3/10/2018 | 19:00 | 4.9 | ENE | 4/10/2018 | 01:55 | 2.7 | NE | 4/10/2018 | 08:50 | 4.5 | NE |
| 3/10/2018 | 19:05 | 3.1 | E | 4/10/2018 | 02:00 | 0.4 | SSW | 4/10/2018 | 08:55 | 3.1 | NE |
| 3/10/2018 | 19:10 | 5.4 | ENE | 4/10/2018 | 02:05 | 2.2 | N | 4/10/2018 | 09:00 | 0.4 | SW |
| 3/10/2018 | 19:15 | 3.1 | E | 4/10/2018 | 02:10 | 3.1 | NE | 4/10/2018 | 09:05 | 0.9 | WNW |
| 3/10/2018 | 19:20 | 2.2 | E | 4/10/2018 | 02:15 | 1.8 | W | 4/10/2018 | 09:10 | 0.4 | SSW |
| 3/10/2018 | 19:25 | 2.2 | E | 4/10/2018 | 02:20 | 0.9 | WSW | 4/10/2018 | 09:15 | 5.4 | ENE |
| 3/10/2018 | 19:30 | 2.2 | ENE | 4/10/2018 | 02:25 | 2.2 | NE | 4/10/2018 | 09:20 | 1.8 | NE |
| 3/10/2018 | 19:35 | 3.6 | E | 4/10/2018 | 02:30 | 1.8 | WNW | 4/10/2018 | 09:25 | 3.1 | NE |
| 3/10/2018 | 19:40 | 4 | E | 4/10/2018 | 02:35 | 0.9 | NE | 4/10/2018 | 09:30 | 2.7 | NE |
| 3/10/2018 | 19:45 | 2.7 | E | 4/10/2018 | 02:40 | 0.4 | SSW | 4/10/2018 | 09:35 | 1.3 | SW |
| 3/10/2018 | 19:50 | 3.6 | E | 4/10/2018 | 02:45 | 2.2 | ENE | 4/10/2018 | 09:40 | 0.9 | W |
| 3/10/2018 | 19:55 | 3.1 | E | 4/10/2018 | 02:50 | 1.3 | NNE | 4/10/2018 | 09:45 | 0.9 | SW |
| 3/10/2018 | 20:00 | 3.1 | E | 4/10/2018 | 02:55 | 4.5 | NE | 4/10/2018 | 09:50 | 0.4 | ENE |
| 3/10/2018 | 20:05 | 5.4 | ENE | 4/10/2018 | 03:00 | 0.9 | SSW | 4/10/2018 | 09:55 | 3.1 | NE |
| 3/10/2018 | 20:10 | 4.5 | E | 4/10/2018 | 03:05 | 0.9 | SSW | 4/10/2018 | 10:00 | 1.8 | WNW |
| 3/10/2018 | 20:15 | 4.9 | E | 4/10/2018 | 03:10 | 2.2 | WNW | 4/10/2018 | 10:05 | 0.9 | SSW |
| 3/10/2018 | 20:20 | 3.1 | ENE | 4/10/2018 | 03:15 | 1.3 | E | 4/10/2018 | 10:10 | 0.4 | SSW |
| 3/10/2018 | 20:25 | 3.6 | ENE | 4/10/2018 | 03:20 | 1.3 | NNE | 4/10/2018 | 10:15 | 4.9 | NE |
| 3/10/2018 | 20:30 | 2.2 | E | 4/10/2018 | 03:25 | 1.8 | WSW | 4/10/2018 | 10:20 | 2.2 | NNE |
| 3/10/2018 | 20:35 | 5.8 | ENE | 4/10/2018 | 03:30 | 0.4 | SW | 4/10/2018 | 10:25 | 0.4 | ENE |
| 3/10/2018 | 20:40 | 2.2 | E | 4/10/2018 | 03:35 | 0.4 | NW | 4/10/2018 | 10:30 | 4 | NNE |
| 3/10/2018 | 20:45 | 2.7 | ENE | 4/10/2018 | 03:40 | 1.3 | SW | 4/10/2018 | 10:35 | 0.9 | NW |
| 3/10/2018 | 20:50 | 3.6 | E | 4/10/2018 | 03:45 | 2.2 | NNE | 4/10/2018 | 10:40 | 0.4 | E |
| 3/10/2018 | 20:55 | 2.7 | ENE | 4/10/2018 | 03:50 | 1.8 | ENE | 4/10/2018 | 10:45 | 0.9 | WSW |
| 3/10/2018 | 21:00 | 4 | ENE | 4/10/2018 | 03:55 | 0.9 | ESE | 4/10/2018 | 10:50 | 0.4 | WSW |
| 3/10/2018 | 21:05 | 2.2 | E | 4/10/2018 | 04:00 | 1.3 | N | 4/10/2018 | 10:55 | 1.3 | WSW |
| 3/10/2018 | 21:10 | 4.9 | E | 4/10/2018 | 04:05 | 0.4 | WSW | 4/10/2018 | 11:00 | 1.8 | E |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/10/2018 | 11:05 | 2.2 | NE | 4/10/2018 | 18:00 | 0.4 | WSW | 5/10/2018 | 00:55 | 3.1 | ENE |
| 4/10/2018 | 11:10 | 0.4 | SW | 4/10/2018 | 18:05 | 1.8 | N | 5/10/2018 | 01:00 | 2.7 | ENE |
| 4/10/2018 | 11:15 | 0.9 | WSW | 4/10/2018 | 18:10 | 3.1 | NE | 5/10/2018 | 01:05 | 0.9 | E |
| 4/10/2018 | 11:20 | 4 | NE | 4/10/2018 | 18:15 | 0.4 | NNW | 5/10/2018 | 01:10 | 0.4 | ENE |
| 4/10/2018 | 11:25 | 3.6 | NE | 4/10/2018 | 18:20 | 0.4 | SW | 5/10/2018 | 01:15 | 0.4 | ENE |
| 4/10/2018 | 11:30 | 0.4 | WNW | 4/10/2018 | 18:25 | 1.3 | SW | 5/10/2018 | 01:20 | 4 | NE |
| 4/10/2018 | 11:35 | 0.9 | NW | 4/10/2018 | 18:30 | 1.3 | SW | 5/10/2018 | 01:25 | 0.9 | ENE |
| 4/10/2018 | 11:40 | 4 | NE | 4/10/2018 | 18:35 | 2.2 | WNW | 5/10/2018 | 01:30 | 0.4 | ENE |
| 4/10/2018 | 11:45 | 2.2 | W | 4/10/2018 | 18:40 | 0.4 | SW | 5/10/2018 | 01:35 | 2.2 | E |
| 4/10/2018 | 11:50 | 0.9 | SW | 4/10/2018 | 18:45 | 1.3 | WNW | 5/10/2018 | 01:40 | 3.1 | ENE |
| 4/10/2018 | 11:55 | 2.7 | NE | 4/10/2018 | 18:50 | 1.8 | N | 5/10/2018 | 01:45 | 0.9 | E |
| 4/10/2018 | 12:00 | 0.9 | E | 4/10/2018 | 18:55 | 1.8 | ENE | 5/10/2018 | 01:50 | 4.9 | NE |
| 4/10/2018 | 12:05 | 1.3 | W | 4/10/2018 | 19:00 | 0.4 | WSW | 5/10/2018 | 01:55 | 3.1 | E |
| 4/10/2018 | 12:10 | 1.8 | W | 4/10/2018 | 19:05 | 0.4 | SSW | 5/10/2018 | 02:00 | 0.9 | ENE |
| 4/10/2018 | 12:15 | 0.4 | WNW | 4/10/2018 | 19:10 | 3.6 | E | 5/10/2018 | 02:05 | 0.9 | ENE |
| 4/10/2018 | 12:20 | 0.4 | SSW | 4/10/2018 | 19:15 | 1.8 | SSW | 5/10/2018 | 02:10 | 1.8 | NNE |
| 4/10/2018 | 12:25 | 0.4 | WSW | 4/10/2018 | 19:20 | 1.8 | E | 5/10/2018 | 02:15 | 0.9 | ENE |
| 4/10/2018 | 12:30 | 0.9 | SW | 4/10/2018 | 19:25 | 0.4 | SSW | 5/10/2018 | 02:20 | 0.4 | ENE |
| 4/10/2018 | 12:35 | 2.2 | ENE | 4/10/2018 | 19:30 | 2.7 | NNE | 5/10/2018 | 02:25 | 0.4 | ENE |
| 4/10/2018 | 12:40 | 1.8 | E | 4/10/2018 | 19:35 | 0.4 | NNE | 5/10/2018 | 02:30 | 2.7 | ENE |
| 4/10/2018 | 12:45 | 1.8 | WNW | 4/10/2018 | 19:40 | 1.3 | WNW | 5/10/2018 | 02:35 | 0.9 | ENE |
| 4/10/2018 | 12:50 | 1.8 | NE | 4/10/2018 | 19:45 | 0.4 | SW | 5/10/2018 | 02:40 | 4.5 | ENE |
| 4/10/2018 | 12:55 | 0.4 | NE | 4/10/2018 | 19:50 | 1.3 | WNW | 5/10/2018 | 02:45 | 3.1 | ENE |
| 4/10/2018 | 13:00 | 0.9 | SW | 4/10/2018 | 19:55 | 0.4 | SSW | 5/10/2018 | 02:50 | 2.2 | ENE |
| 4/10/2018 | 13:05 | 0.4 | SW | 4/10/2018 | 20:00 | 0.9 | ENE | 5/10/2018 | 02:55 | 2.2 | NE |
| 4/10/2018 | 13:10 | 0.4 | NNE | 4/10/2018 | 20:05 | 0.9 | WSW | 5/10/2018 | 03:00 | 4.5 | ENE |
| 4/10/2018 | 13:15 | 0.9 | NNW | 4/10/2018 | 20:10 | 0.9 | ENE | 5/10/2018 | 03:05 | 1.8 | E |
| 4/10/2018 | 13:20 | 4.5 | NE | 4/10/2018 | 20:15 | 1.3 | NE | 5/10/2018 | 03:10 | 4.5 | ENE |
| 4/10/2018 | 13:25 | 1.3 | ESE | 4/10/2018 | 20:20 | 1.3 | SW | 5/10/2018 | 03:15 | 2.2 | E |
| 4/10/2018 | 13:30 | 1.3 | N | 4/10/2018 | 20:25 | 0.4 | WSW | 5/10/2018 | 03:20 | 2.7 | NE |
| 4/10/2018 | 13:35 | 2.7 | ENE | 4/10/2018 | 20:30 | 0.4 | SW | 5/10/2018 | 03:25 | 0.9 | N |
| 4/10/2018 | 13:40 | 2.2 | WNW | 4/10/2018 | 20:35 | 1.3 | ENE | 5/10/2018 | 03:30 | 4 | E |
| 4/10/2018 | 13:45 | 0.9 | SSW | 4/10/2018 | 20:40 | 1.3 | SW | 5/10/2018 | 03:35 | 1.8 | NE |
| 4/10/2018 | 13:50 | 0.9 | WSW | 4/10/2018 | 20:45 | 0.4 | WSW | 5/10/2018 | 03:40 | 3.6 | ENE |
| 4/10/2018 | 13:55 | 2.2 | WNW | 4/10/2018 | 20:50 | 4 | NE | 5/10/2018 | 03:45 | 4.5 | NE |
| 4/10/2018 | 14:00 | 1.8 | ENE | 4/10/2018 | 20:55 | 2.2 | NE | 5/10/2018 | 03:50 | 0.4 | NE |
| 4/10/2018 | 14:05 | 1.3 | WSW | 4/10/2018 | 21:00 | 0.9 | SW | 5/10/2018 | 03:55 | 4.9 | ENE |
| 4/10/2018 | 14:10 | 0.4 | NNW | 4/10/2018 | 21:05 | 2.7 | ENE | 5/10/2018 | 04:00 | 0.9 | ENE |
| 4/10/2018 | 14:15 | 0.4 | WSW | 4/10/2018 | 21:10 | 0.4 | SW | 5/10/2018 | 04:05 | 3.6 | E |
| 4/10/2018 | 14:20 | 1.8 | E | 4/10/2018 | 21:15 | 2.2 | NNE | 5/10/2018 | 04:10 | 1.3 | ENE |
| 4/10/2018 | 14:25 | 0.4 | WSW | 4/10/2018 | 21:20 | 1.8 | NE | 5/10/2018 | 04:15 | 4 | NE |
| 4/10/2018 | 14:30 | 0.4 | NNW | 4/10/2018 | 21:25 | 2.2 | E | 5/10/2018 | 04:20 | 4 | ENE |
| 4/10/2018 | 14:35 | 0.4 | WSW | 4/10/2018 | 21:30 | 0.4 | ENE | 5/10/2018 | 04:25 | 2.7 | ENE |
| 4/10/2018 | 14:40 | 2.2 | W | 4/10/2018 | 21:35 | 1.3 | SW | 5/10/2018 | 04:30 | 0.9 | NE |
| 4/10/2018 | 14:45 | 1.8 | NNE | 4/10/2018 | 21:40 | 2.2 | W | 5/10/2018 | 04:35 | 4 | ENE |
| 4/10/2018 | 14:50 | 4 | ENE | 4/10/2018 | 21:45 | 1.8 | NW | 5/10/2018 | 04:40 | 3.6 | NE |
| 4/10/2018 | 14:55 | 2.2 | W | 4/10/2018 | 21:50 | 0.4 | NNE | 5/10/2018 | 04:45 | 4.5 | NE |
| 4/10/2018 | 15:00 | 4 | ENE | 4/10/2018 | 21:55 | 4.5 | NE | 5/10/2018 | 04:50 | 3.6 | NE |
| 4/10/2018 | 15:05 | 3.6 | NNE | 4/10/2018 | 22:00 | 3.6 | NE | 5/10/2018 | 04:55 | 0.4 | WNW |
| 4/10/2018 | 15:10 | 1.3 | WNW | 4/10/2018 | 22:05 | 2.7 | NE | 5/10/2018 | 05:00 | 4.5 | NE |
| 4/10/2018 | 15:15 | 0.4 | NNW | 4/10/2018 | 22:10 | 0.4 | SW | 5/10/2018 | 05:05 | 2.2 | ENE |
| 4/10/2018 | 15:20 | 0.9 | WSW | 4/10/2018 | 22:15 | 0.9 | NNW | 5/10/2018 | 05:10 | 1.8 | E |
| 4/10/2018 | 15:25 | 0.4 | NNE | 4/10/2018 | 22:20 | 2.2 | WNW | 5/10/2018 | 05:15 | 0.9 | E |
| 4/10/2018 | 15:30 | 2.7 | ENE | 4/10/2018 | 22:25 | 1.3 | NW | 5/10/2018 | 05:20 | 0.4 | ENE |
| 4/10/2018 | 15:35 | 2.7 | NE | 4/10/2018 | 22:30 | 1.8 | NNE | 5/10/2018 | 05:25 | 0.9 | E |
| 4/10/2018 | 15:40 | 0.4 | WSW | 4/10/2018 | 22:35 | 4 | NE | 5/10/2018 | 05:30 | 0.9 | NW |
| 4/10/2018 | 15:45 | 2.7 | NE | 4/10/2018 | 22:40 | 2.7 | NE | 5/10/2018 | 05:35 | 4 | ENE |
| 4/10/2018 | 15:50 | 4 | NE | 4/10/2018 | 22:45 | 0.9 | NE | 5/10/2018 | 05:40 | 1.8 | NNE |
| 4/10/2018 | 15:55 | 0.9 | SSW | 4/10/2018 | 22:50 | 1.8 | NE | 5/10/2018 | 05:45 | 4.5 | NE |
| 4/10/2018 | 16:00 | 1.8 | N | 4/10/2018 | 22:55 | 1.3 | N | 5/10/2018 | 05:50 | 3.1 | ENE |
| 4/10/2018 | 16:05 | 0.4 | SW | 4/10/2018 | 23:00 | 0.9 | WSW | 5/10/2018 | 05:55 | 0.4 | ENE |
| 4/10/2018 | 16:10 | 0.4 | NNW | 4/10/2018 | 23:05 | 4 | NE | 5/10/2018 | 06:00 | 4 | NE |
| 4/10/2018 | 16:15 | 2.2 | E | 4/10/2018 | 23:10 | 0.4 | SW | 5/10/2018 | 06:05 | 2.7 | ENE |
| 4/10/2018 | 16:20 | 2.7 | NE | 4/10/2018 | 23:15 | 2.2 | NNE | 5/10/2018 | 06:10 | 0.9 | NE |
| 4/10/2018 | 16:25 | 3.6 | E | 4/10/2018 | 23:20 | 0.4 | NW | 5/10/2018 | 06:15 | 4.5 | NE |
| 4/10/2018 | 16:30 | 1.3 | WNW | 4/10/2018 | 23:25 | 4 | NE | 5/10/2018 | 06:20 | 3.6 | NE |
| 4/10/2018 | 16:35 | 1.3 | E | 4/10/2018 | 23:30 | 0.4 | ENE | 5/10/2018 | 06:25 | 2.2 | E |
| 4/10/2018 | 16:40 | 0.4 | WSW | 4/10/2018 | 23:35 | 1.8 | SSW | 5/10/2018 | 06:30 | 2.7 | ENE |
| 4/10/2018 | 16:45 | 3.1 | NE | 4/10/2018 | 23:40 | 0.4 | ENE | 5/10/2018 | 06:35 | 0.4 | WNW |
| 4/10/2018 | 16:50 | 2.7 | NE | 4/10/2018 | 23:45 | 1.3 | WNW | 5/10/2018 | 06:40 | 4 | ENE |
| 4/10/2018 | 16:55 | 1.3 | SW | 4/10/2018 | 23:50 | 1.8 | E | 5/10/2018 | 06:45 | 3.1 | ENE |
| 4/10/2018 | 17:00 | 0.9 | ESE | 4/10/2018 | 23:55 | 0.4 | WSW | 5/10/2018 | 06:50 | 0.4 | NE |
| 4/10/2018 | 17:05 | 1.3 | WNW | 5/10/2018 | 00:00 | 2.7 | NE | 5/10/2018 | 06:55 | 0.4 | ENE |
| 4/10/2018 | 17:10 | 0.4 | NNW | 5/10/2018 | 00:05 | 4.9 | ENE | 5/10/2018 | 07:00 | 4 | NE |
| 4/10/2018 | 17:15 | 0.9 | NNW | 5/10/2018 | 00:10 | 3.6 | E | 5/10/2018 | 07:05 | 0.4 | NE |
| 4/10/2018 | 17:20 | 1.3 | WSW | 5/10/2018 | 00:15 | 0.9 | ENE | 5/10/2018 | 07:10 | 0.9 | E |
| 4/10/2018 | 17:25 | 3.6 | NE | 5/10/2018 | 00:20 | 0.9 | N | 5/10/2018 | 07:15 | 0.4 | ENE |
| 4/10/2018 | 17:30 | 0.4 | SW | 5/10/2018 | 00:25 | 1.8 | ENE | 5/10/2018 | 07:20 | 3.1 | ENE |
| 4/10/2018 | 17:35 | 0.9 | WSW | 5/10/2018 | 00:30 | 4 | NE | 5/10/2018 | 07:25 | 3.1 | NE |
| 4/10/2018 | 17:40 | 0.4 | WSW | 5/10/2018 | 00:35 | 0.9 | E | 5/10/2018 | 07:30 | 4.9 | NE |
| 4/10/2018 | 17:45 | 3.6 | NE | 5/10/2018 | 00:40 | 0.4 | NE | 5/10/2018 | 07:35 | 0.4 | WNW |
| 4/10/2018 | 17:50 | 1.8 | N | 5/10/2018 | 00:45 | 1.3 | NNW | 5/10/2018 | 07:40 | 0.4 | E |
| 4/10/2018 | 17:55 | 2.2 | WNW | 5/10/2018 | 00:50 | 3.1 | E | 5/10/2018 | 07:45 | 0.4 | E |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/10/2018 | 07:50 | 1.8 | ENE | 5/10/2018 | 14:45 | 0.9 | NE | 5/10/2018 | 21:40 | 3.6 | ENE |
| 5/10/2018 | 07:55 | 1.3 | NW | 5/10/2018 | 14:50 | 2.2 | ENE | 5/10/2018 | 21:45 | 0.9 | E |
| 5/10/2018 | 08:00 | 3.6 | NE | 5/10/2018 | 14:55 | 1.3 | NNE | 5/10/2018 | 21:50 | 2.2 | ENE |
| 5/10/2018 | 08:05 | 0.9 | E | 5/10/2018 | 15:00 | 3.6 | ENE | 5/10/2018 | 21:55 | 2.7 | NE |
| 5/10/2018 | 08:10 | 1.3 | ENE | 5/10/2018 | 15:05 | 3.6 | NE | 5/10/2018 | 22:00 | 4 | ENE |
| 5/10/2018 | 08:15 | 0.4 | ENE | 5/10/2018 | 15:10 | 4 | NE | 5/10/2018 | 22:05 | 0.4 | ENE |
| 5/10/2018 | 08:20 | 2.2 | ENE | 5/10/2018 | 15:15 | 4 | E | 5/10/2018 | 22:10 | 0.9 | ENE |
| 5/10/2018 | 08:25 | 3.6 | E | 5/10/2018 | 15:20 | 3.1 | E | 5/10/2018 | 22:15 | 0.9 | ENE |
| 5/10/2018 | 08:30 | 0.9 | ENE | 5/10/2018 | 15:25 | 0.4 | NE | 5/10/2018 | 22:20 | 4.5 | E |
| 5/10/2018 | 08:35 | 3.6 | NE | 5/10/2018 | 15:30 | 4 | NE | 5/10/2018 | 22:25 | 2.7 | NE |
| 5/10/2018 | 08:40 | 0.9 | E | 5/10/2018 | 15:35 | 4 | NE | 5/10/2018 | 22:30 | 0.4 | ENE |
| 5/10/2018 | 08:45 | 3.6 | ENE | 5/10/2018 | 15:40 | 1.8 | E | 5/10/2018 | 22:35 | 2.2 | NE |
| 5/10/2018 | 08:50 | 2.7 | E | 5/10/2018 | 15:45 | 1.3 | NE | 5/10/2018 | 22:40 | 0.4 | ENE |
| 5/10/2018 | 08:55 | 2.7 | E | 5/10/2018 | 15:50 | 0.4 | ENE | 5/10/2018 | 22:45 | 1.8 | ENE |
| 5/10/2018 | 09:00 | 0.9 | E | 5/10/2018 | 15:55 | 0.4 | NE | 5/10/2018 | 22:50 | 4.5 | ENE |
| 5/10/2018 | 09:05 | 4 | ENE | 5/10/2018 | 16:00 | 1.3 | ENE | 5/10/2018 | 22:55 | 0.9 | E |
| 5/10/2018 | 09:10 | 0.4 | E | 5/10/2018 | 16:05 | 0.4 | ENE | 5/10/2018 | 23:00 | 3.1 | ENE |
| 5/10/2018 | 09:15 | 4.5 | NE | 5/10/2018 | 16:10 | 0.9 | ENE | 5/10/2018 | 23:05 | 3.1 | E |
| 5/10/2018 | 09:20 | 3.1 | NE | 5/10/2018 | 16:15 | 1.8 | NNW | 5/10/2018 | 23:10 | 1.8 | E |
| 5/10/2018 | 09:25 | 0.9 | ENE | 5/10/2018 | 16:20 | 0.9 | ENE | 5/10/2018 | 23:15 | 4.9 | ENE |
| 5/10/2018 | 09:30 | 4.5 | NE | 5/10/2018 | 16:25 | 2.7 | NE | 5/10/2018 | 23:20 | 0.4 | NE |
| 5/10/2018 | 09:35 | 3.1 | NE | 5/10/2018 | 16:30 | 1.3 | NE | 5/10/2018 | 23:25 | 3.6 | ENE |
| 5/10/2018 | 09:40 | 3.6 | NE | 5/10/2018 | 16:35 | 0.4 | ENE | 5/10/2018 | 23:30 | 0.9 | E |
| 5/10/2018 | 09:45 | 1.8 | ENE | 5/10/2018 | 16:40 | 1.8 | ENE | 5/10/2018 | 23:35 | 0.4 | ENE |
| 5/10/2018 | 09:50 | 2.7 | E | 5/10/2018 | 16:45 | 0.4 | ENE | 5/10/2018 | 23:40 | 0.4 | ENE |
| 5/10/2018 | 09:55 | 3.6 | ENE | 5/10/2018 | 16:50 | 2.7 | ENE | 5/10/2018 | 23:45 | 1.3 | NW |
| 5/10/2018 | 10:00 | 3.6 | NE | 5/10/2018 | 16:55 | 3.6 | NE | 5/10/2018 | 23:50 | 0.4 | NE |
| 5/10/2018 | 10:05 | 0.9 | N | 5/10/2018 | 17:00 | 0.9 | E | 5/10/2018 | 23:55 | 3.6 | NE |
| 5/10/2018 | 10:10 | 4 | NE | 5/10/2018 | 17:05 | 4.9 | ENE | 6/10/2018 | 00:00 | 4.5 | ENE |
| 5/10/2018 | 10:15 | 0.9 | NNE | 5/10/2018 | 17:10 | 0.9 | NE | 6/10/2018 | 00:05 | 2.7 | SW |
| 5/10/2018 | 10:20 | 0.4 | ENE | 5/10/2018 | 17:15 | 4 | NE | 6/10/2018 | 00:10 | 0.4 | ESE |
| 5/10/2018 | 10:25 | 0.9 | NE | 5/10/2018 | 17:20 | 3.1 | ENE | 6/10/2018 | 00:15 | 3.6 | W |
| 5/10/2018 | 10:30 | 0.9 | NNW | 5/10/2018 | 17:25 | 3.6 | ENE | 6/10/2018 | 00:20 | 1.8 | E |
| 5/10/2018 | 10:35 | 0.4 | WNW | 5/10/2018 | 17:30 | 3.6 | NE | 6/10/2018 | 00:25 | 0.4 | SW |
| 5/10/2018 | 10:40 | 4 | NE | 5/10/2018 | 17:35 | 0.4 | WNW | 6/10/2018 | 00:30 | 0.4 | ESE |
| 5/10/2018 | 10:45 | 1.8 | NE | 5/10/2018 | 17:40 | 1.3 | WNW | 6/10/2018 | 00:35 | 0.4 | NW |
| 5/10/2018 | 10:50 | 4 | ENE | 5/10/2018 | 17:45 | 1.3 | ENE | 6/10/2018 | 00:40 | 0.9 | NE |
| 5/10/2018 | 10:55 | 0.4 | ENE | 5/10/2018 | 17:50 | 0.4 | ENE | 6/10/2018 | 00:45 | 2.7 | WNW |
| 5/10/2018 | 11:00 | 4.9 | NE | 5/10/2018 | 17:55 | 2.7 | ENE | 6/10/2018 | 00:50 | 3.1 | WNW |
| 5/10/2018 | 11:05 | 4 | ENE | 5/10/2018 | 18:00 | 3.6 | NE | 6/10/2018 | 00:55 | 3.1 | WNW |
| 5/10/2018 | 11:10 | 2.7 | NE | 5/10/2018 | 18:05 | 4.5 | NE | 6/10/2018 | 01:00 | 0.9 | SSW |
| 5/10/2018 | 11:15 | 3.1 | E | 5/10/2018 | 18:10 | 1.8 | NNE | 6/10/2018 | 01:05 | 1.3 | E |
| 5/10/2018 | 11:20 | 2.2 | E | 5/10/2018 | 18:15 | 0.4 | WNW | 6/10/2018 | 01:10 | 2.7 | W |
| 5/10/2018 | 11:25 | 4.5 | NE | 5/10/2018 | 18:20 | 3.1 | E | 6/10/2018 | 01:15 | 0.9 | W |
| 5/10/2018 | 11:30 | 4 | ENE | 5/10/2018 | 18:25 | 4.9 | ENE | 6/10/2018 | 01:20 | 0.9 | ESE |
| 5/10/2018 | 11:35 | 3.1 | NE | 5/10/2018 | 18:30 | 3.6 | NNE | 6/10/2018 | 01:25 | 0.4 | ESE |
| 5/10/2018 | 11:40 | 4 | ENE | 5/10/2018 | 18:35 | 1.3 | NE | 6/10/2018 | 01:30 | 1.8 | N |
| 5/10/2018 | 11:45 | 2.7 | ENE | 5/10/2018 | 18:40 | 4 | ENE | 6/10/2018 | 01:35 | 0.4 | WSW |
| 5/10/2018 | 11:50 | 0.4 | ENE | 5/10/2018 | 18:45 | 0.4 | ENE | 6/10/2018 | 01:40 | 2.7 | WNW |
| 5/10/2018 | 11:55 | 0.9 | E | 5/10/2018 | 18:50 | 0.4 | W | 6/10/2018 | 01:45 | 0.9 | NNW |
| 5/10/2018 | 12:00 | 3.1 | NE | 5/10/2018 | 18:55 | 1.8 | NE | 6/10/2018 | 01:50 | 0.4 | NE |
| 5/10/2018 | 12:05 | 2.2 | NE | 5/10/2018 | 19:00 | 3.6 | ENE | 6/10/2018 | 01:55 | 1.8 | N |
| 5/10/2018 | 12:10 | 0.9 | E | 5/10/2018 | 19:05 | 4 | NE | 6/10/2018 | 02:00 | 1.8 | NW |
| 5/10/2018 | 12:15 | 0.4 | N | 5/10/2018 | 19:10 | 2.2 | E | 6/10/2018 | 02:05 | 0.9 | E |
| 5/10/2018 | 12:20 | 0.9 | WNW | 5/10/2018 | 19:15 | 3.6 | E | 6/10/2018 | 02:10 | 2.7 | WNW |
| 5/10/2018 | 12:25 | 1.8 | W | 5/10/2018 | 19:20 | 4.5 | NNE | 6/10/2018 | 02:15 | 2.7 | W |
| 5/10/2018 | 12:30 | 3.1 | NE | 5/10/2018 | 19:25 | 2.7 | NE | 6/10/2018 | 02:20 | 3.1 | W |
| 5/10/2018 | 12:35 | 3.1 | E | 5/10/2018 | 19:30 | 1.3 | SSW | 6/10/2018 | 02:25 | 1.3 | NE |
| 5/10/2018 | 12:40 | 2.2 | NE | 5/10/2018 | 19:35 | 1.3 | NW | 6/10/2018 | 02:30 | 1.8 | N |
| 5/10/2018 | 12:45 | 4.9 | ENE | 5/10/2018 | 19:40 | 3.1 | ENE | 6/10/2018 | 02:35 | 0.4 | NE |
| 5/10/2018 | 12:50 | 2.7 | ENE | 5/10/2018 | 19:45 | 3.1 | ENE | 6/10/2018 | 02:40 | 2.7 | W |
| 5/10/2018 | 12:55 | 0.4 | E | 5/10/2018 | 19:50 | 1.3 | ENE | 6/10/2018 | 02:45 | 0.9 | W |
| 5/10/2018 | 13:00 | 2.2 | W | 5/10/2018 | 19:55 | 4.5 | ENE | 6/10/2018 | 02:50 | 0.9 | NE |
| 5/10/2018 | 13:05 | 3.1 | NE | 5/10/2018 | 20:00 | 2.7 | E | 6/10/2018 | 02:55 | 2.2 | NNW |
| 5/10/2018 | 13:10 | 0.9 | ENE | 5/10/2018 | 20:05 | 0.9 | NE | 6/10/2018 | 03:00 | 3.6 | WNW |
| 5/10/2018 | 13:15 | 4 | ENE | 5/10/2018 | 20:10 | 2.7 | NE | 6/10/2018 | 03:05 | 0.9 | SSW |
| 5/10/2018 | 13:20 | 0.9 | ENE | 5/10/2018 | 20:15 | 2.2 | ENE | 6/10/2018 | 03:10 | 1.3 | NE |
| 5/10/2018 | 13:25 | 4.5 | E | 5/10/2018 | 20:20 | 3.6 | NE | 6/10/2018 | 03:15 | 0.9 | WSW |
| 5/10/2018 | 13:30 | 3.6 | ENE | 5/10/2018 | 20:25 | 3.1 | ENE | 6/10/2018 | 03:20 | 1.3 | NE |
| 5/10/2018 | 13:35 | 4 | NE | 5/10/2018 | 20:30 | 1.3 | NNW | 6/10/2018 | 03:25 | 1.3 | WSW |
| 5/10/2018 | 13:40 | 4 | ENE | 5/10/2018 | 20:35 | 1.3 | NE | 6/10/2018 | 03:30 | 0.4 | NE |
| 5/10/2018 | 13:45 | 0.4 | ENE | 5/10/2018 | 20:40 | 0.9 | ENE | 6/10/2018 | 03:35 | 0.9 | NE |
| 5/10/2018 | 13:50 | 2.7 | NE | 5/10/2018 | 20:45 | 0.4 | NE | 6/10/2018 | 03:40 | 3.1 | W |
| 5/10/2018 | 13:55 | 4 | ENE | 5/10/2018 | 20:50 | 1.3 | NNW | 6/10/2018 | 03:45 | 0.9 | ESE |
| 5/10/2018 | 14:00 | 0.4 | NE | 5/10/2018 | 20:55 | 1.8 | NE | 6/10/2018 | 03:50 | 0.9 | E |
| 5/10/2018 | 14:05 | 0.4 | ENE | 5/10/2018 | 21:00 | 0.9 | E | 6/10/2018 | 03:55 | 0.9 | NNW |
| 5/10/2018 | 14:10 | 4.5 | NE | 5/10/2018 | 21:05 | 3.6 | NE | 6/10/2018 | 04:00 | 0.9 | SSW |
| 5/10/2018 | 14:15 | 0.9 | ENE | 5/10/2018 | 21:10 | 4 | ENE | 6/10/2018 | 04:05 | 1.3 | NW |
| 5/10/2018 | 14:20 | 2.7 | ENE | 5/10/2018 | 21:15 | 0.4 | NE | 6/10/2018 | 04:10 | 3.1 | WNW |
| 5/10/2018 | 14:25 | 1.8 | ENE | 5/10/2018 | 21:20 | 2.2 | NE | 6/10/2018 | 04:15 | 1.3 | NE |
| 5/10/2018 | 14:30 | 1.3 | ENE | 5/10/2018 | 21:25 | 4 | NNE | 6/10/2018 | 04:20 | 3.1 | WNW |
| 5/10/2018 | 14:35 | 1.8 | ESE | 5/10/2018 | 21:30 | 0.4 | NE | 6/10/2018 | 04:25 | 1.3 | N |
| 5/10/2018 | 14:40 | 0.9 | E | 5/10/2018 | 21:35 | 4.5 | NE | 6/10/2018 | 04:30 | 0.4 | NNW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/10/2018 | 04:35 | 3.6 | WSW | 6/10/2018 | 11:30 | 4 | W | 6/10/2018 | 18:25 | 3.1 | WNW |
| 6/10/2018 | 04:40 | 1.3 | N | 6/10/2018 | 11:35 | 1.3 | WNW | 6/10/2018 | 18:30 | 0.9 | NNW |
| 6/10/2018 | 04:45 | 0.9 | W | 6/10/2018 | 11:40 | 2.2 | W | 6/10/2018 | 18:35 | 0.4 | ESE |
| 6/10/2018 | 04:50 | 1.3 | WNW | 6/10/2018 | 11:45 | 2.7 | WNW | 6/10/2018 | 18:40 | 0.4 | NW |
| 6/10/2018 | 04:55 | 0.9 | SW | 6/10/2018 | 11:50 | 1.8 | N | 6/10/2018 | 18:45 | 0.4 | NNW |
| 6/10/2018 | 05:00 | 1.8 | NNW | 6/10/2018 | 11:55 | 0.9 | NE | 6/10/2018 | 18:50 | 3.1 | W |
| 6/10/2018 | 05:05 | 0.9 | WSW | 6/10/2018 | 12:00 | 1.3 | N | 6/10/2018 | 18:55 | 2.7 | WNW |
| 6/10/2018 | 05:10 | 2.7 | W | 6/10/2018 | 12:05 | 4 | W | 6/10/2018 | 19:00 | 0.4 | SW |
| 6/10/2018 | 05:15 | 1.3 | WSW | 6/10/2018 | 12:10 | 3.1 | W | 6/10/2018 | 19:05 | 0.4 | ESE |
| 6/10/2018 | 05:20 | 2.7 | W | 6/10/2018 | 12:15 | 1.3 | E | 6/10/2018 | 19:10 | 3.1 | W |
| 6/10/2018 | 05:25 | 3.1 | W | 6/10/2018 | 12:20 | 0.4 | NNW | 6/10/2018 | 19:15 | 0.9 | ESE |
| 6/10/2018 | 05:30 | 0.9 | NE | 6/10/2018 | 12:25 | 3.6 | W | 6/10/2018 | 19:20 | 1.3 | N |
| 6/10/2018 | 05:35 | 0.4 | SSW | 6/10/2018 | 12:30 | 3.6 | WNW | 6/10/2018 | 19:25 | 3.6 | W |
| 6/10/2018 | 05:40 | 1.3 | WSW | 6/10/2018 | 12:35 | 0.9 | NW | 6/10/2018 | 19:30 | 0.9 | ENE |
| 6/10/2018 | 05:45 | 1.3 | N | 6/10/2018 | 12:40 | 0.4 | NE | 6/10/2018 | 19:35 | 4.9 | WNW |
| 6/10/2018 | 05:50 | 3.1 | W | 6/10/2018 | 12:45 | 1.8 | WSW | 6/10/2018 | 19:40 | 2.7 | W |
| 6/10/2018 | 05:55 | 3.6 | W | 6/10/2018 | 12:50 | 1.3 | WSW | 6/10/2018 | 19:45 | 1.8 | W |
| 6/10/2018 | 06:00 | 0.4 | NNW | 6/10/2018 | 12:55 | 3.6 | W | 6/10/2018 | 19:50 | 0.9 | ESE |
| 6/10/2018 | 06:05 | 3.6 | W | 6/10/2018 | 13:00 | 1.3 | NNW | 6/10/2018 | 19:55 | 3.1 | W |
| 6/10/2018 | 06:10 | 3.1 | W | 6/10/2018 | 13:05 | 1.3 | NE | 6/10/2018 | 20:00 | 0.4 | NE |
| 6/10/2018 | 06:15 | 4 | W | 6/10/2018 | 13:10 | 1.3 | NNE | 6/10/2018 | 20:05 | 0.9 | NNW |
| 6/10/2018 | 06:20 | 0.4 | ESE | 6/10/2018 | 13:15 | 0.9 | NNE | 6/10/2018 | 20:10 | 0.9 | NE |
| 6/10/2018 | 06:25 | 0.4 | ESE | 6/10/2018 | 13:20 | 4 | NW | 6/10/2018 | 20:15 | 0.4 | NE |
| 6/10/2018 | 06:30 | 3.1 | W | 6/10/2018 | 13:25 | 3.6 | WNW | 6/10/2018 | 20:20 | 0.4 | SW |
| 6/10/2018 | 06:35 | 0.4 | SW | 6/10/2018 | 13:30 | 3.6 | WNW | 6/10/2018 | 20:25 | 2.7 | W |
| 6/10/2018 | 06:40 | 1.8 | NE | 6/10/2018 | 13:35 | 1.3 | W | 6/10/2018 | 20:30 | 0.4 | E |
| 6/10/2018 | 06:45 | 0.9 | ESE | 6/10/2018 | 13:40 | 3.1 | WNW | 6/10/2018 | 20:35 | 0.4 | NW |
| 6/10/2018 | 06:50 | 0.9 | W | 6/10/2018 | 13:45 | 3.6 | NW | 6/10/2018 | 20:40 | 2.7 | W |
| 6/10/2018 | 06:55 | 0.4 | NW | 6/10/2018 | 13:50 | 0.4 | NW | 6/10/2018 | 20:45 | 4 | WNW |
| 6/10/2018 | 07:00 | 3.1 | W | 6/10/2018 | 13:55 | 0.9 | WNW | 6/10/2018 | 20:50 | 3.6 | WNW |
| 6/10/2018 | 07:05 | 1.3 | NE | 6/10/2018 | 14:00 | 0.4 | ESE | 6/10/2018 | 20:55 | 2.2 | WNW |
| 6/10/2018 | 07:10 | 3.6 | WNW | 6/10/2018 | 14:05 | 0.9 | NNW | 6/10/2018 | 21:00 | 0.9 | NE |
| 6/10/2018 | 07:15 | 2.7 | WNW | 6/10/2018 | 14:10 | 3.6 | WNW | 6/10/2018 | 21:05 | 4 | NW |
| 6/10/2018 | 07:20 | 3.6 | WNW | 6/10/2018 | 14:15 | 1.8 | NE | 6/10/2018 | 21:10 | 1.3 | WNW |
| 6/10/2018 | 07:25 | 0.4 | NW | 6/10/2018 | 14:20 | 0.9 | N | 6/10/2018 | 21:15 | 2.2 | NNW |
| 6/10/2018 | 07:30 | 0.9 | SW | 6/10/2018 | 14:25 | 0.4 | NNW | 6/10/2018 | 21:20 | 0.4 | N |
| 6/10/2018 | 07:35 | 0.9 | N | 6/10/2018 | 14:30 | 1.8 | E | 6/10/2018 | 21:25 | 2.2 | N |
| 6/10/2018 | 07:40 | 2.7 | W | 6/10/2018 | 14:35 | 3.1 | W | 6/10/2018 | 21:30 | 2.7 | WSW |
| 6/10/2018 | 07:45 | 3.6 | WNW | 6/10/2018 | 14:40 | 4 | W | 6/10/2018 | 21:35 | 0.4 | ESE |
| 6/10/2018 | 07:50 | 3.1 | WNW | 6/10/2018 | 14:45 | 3.1 | WNW | 6/10/2018 | 21:40 | 0.4 | NW |
| 6/10/2018 | 07:55 | 3.1 | W | 6/10/2018 | 14:50 | 0.9 | SW | 6/10/2018 | 21:45 | 1.8 | NW |
| 6/10/2018 | 08:00 | 3.1 | W | 6/10/2018 | 14:55 | 0.4 | NE | 6/10/2018 | 21:50 | 3.1 | W |
| 6/10/2018 | 08:05 | 2.7 | WNW | 6/10/2018 | 15:00 | 1.3 | NE | 6/10/2018 | 21:55 | 2.7 | W |
| 6/10/2018 | 08:10 | 1.3 | NNE | 6/10/2018 | 15:05 | 2.7 | WNW | 6/10/2018 | 22:00 | 2.7 | WSW |
| 6/10/2018 | 08:15 | 0.4 | ESE | 6/10/2018 | 15:10 | 0.9 | ESE | 6/10/2018 | 22:05 | 1.8 | NE |
| 6/10/2018 | 08:20 | 3.6 | W | 6/10/2018 | 15:15 | 3.1 | W | 6/10/2018 | 22:10 | 0.4 | ESE |
| 6/10/2018 | 08:25 | 1.3 | E | 6/10/2018 | 15:20 | 3.1 | W | 6/10/2018 | 22:15 | 3.6 | WNW |
| 6/10/2018 | 08:30 | 2.2 | NE | 6/10/2018 | 15:25 | 1.3 | WSW | 6/10/2018 | 22:20 | 3.1 | W |
| 6/10/2018 | 08:35 | 2.2 | N | 6/10/2018 | 15:30 | 1.3 | E | 6/10/2018 | 22:25 | 1.8 | N |
| 6/10/2018 | 08:40 | 0.4 | SW | 6/10/2018 | 15:35 | 3.1 | WNW | 6/10/2018 | 22:30 | 1.3 | WNW |
| 6/10/2018 | 08:45 | 3.1 | W | 6/10/2018 | 15:40 | 0.9 | WSW | 6/10/2018 | 22:35 | 1.3 | WSW |
| 6/10/2018 | 08:50 | 2.7 | W | 6/10/2018 | 15:45 | 0.4 | NW | 6/10/2018 | 22:40 | 3.6 | W |
| 6/10/2018 | 08:55 | 0.9 | NE | 6/10/2018 | 15:50 | 0.9 | NW | 6/10/2018 | 22:45 | 3.6 | WNW |
| 6/10/2018 | 09:00 | 2.7 | WNW | 6/10/2018 | 15:55 | 3.6 | W | 6/10/2018 | 22:50 | 0.9 | ESE |
| 6/10/2018 | 09:05 | 1.3 | N | 6/10/2018 | 16:00 | 2.2 | W | 6/10/2018 | 22:55 | 3.1 | WNW |
| 6/10/2018 | 09:10 | 0.9 | NNW | 6/10/2018 | 16:05 | 3.6 | WNW | 6/10/2018 | 23:00 | 4 | WNW |
| 6/10/2018 | 09:15 | 2.7 | SW | 6/10/2018 | 16:10 | 1.3 | ENE | 6/10/2018 | 23:05 | 2.2 | NNW |
| 6/10/2018 | 09:20 | 2.7 | WNW | 6/10/2018 | 16:15 | 3.6 | W | 6/10/2018 | 23:10 | 3.6 | W |
| 6/10/2018 | 09:25 | 1.8 | NNW | 6/10/2018 | 16:20 | 3.1 | WNW | 6/10/2018 | 23:15 | 1.8 | N |
| 6/10/2018 | 09:30 | 3.1 | W | 6/10/2018 | 16:25 | 0.9 | ESE | 6/10/2018 | 23:20 | 0.4 | NE |
| 6/10/2018 | 09:35 | 1.8 | E | 6/10/2018 | 16:30 | 0.9 | NNW | 6/10/2018 | 23:25 | 3.1 | WNW |
| 6/10/2018 | 09:40 | 3.6 | W | 6/10/2018 | 16:35 | 0.9 | W | 6/10/2018 | 23:30 | 0.9 | WSW |
| 6/10/2018 | 09:45 | 3.1 | W | 6/10/2018 | 16:40 | 0.9 | E | 6/10/2018 | 23:35 | 3.1 | WNW |
| 6/10/2018 | 09:50 | 3.6 | WNW | 6/10/2018 | 16:45 | 1.3 | NE | 6/10/2018 | 23:40 | 0.4 | NE |
| 6/10/2018 | 09:55 | 3.6 | W | 6/10/2018 | 16:50 | 4 | WNW | 6/10/2018 | 23:45 | 3.1 | W |
| 6/10/2018 | 10:00 | 2.2 | W | 6/10/2018 | 16:55 | 1.3 | E | 6/10/2018 | 23:50 | 0.9 | ESE |
| 6/10/2018 | 10:05 | 3.1 | WNW | 6/10/2018 | 17:00 | 2.2 | W | 6/10/2018 | 23:55 | 3.1 | W |
| 6/10/2018 | 10:10 | 2.7 | W | 6/10/2018 | 17:05 | 1.3 | NNW | 7/10/2018 | 00:00 | 2.7 | W |
| 6/10/2018 | 10:15 | 0.4 | ESE | 6/10/2018 | 17:10 | 1.3 | NW | 7/10/2018 | 00:05 | 1.3 | NNW |
| 6/10/2018 | 10:20 | 1.8 | N | 6/10/2018 | 17:15 | 1.8 | N | 7/10/2018 | 00:10 | 4.5 | W |
| 6/10/2018 | 10:25 | 0.9 | WSW | 6/10/2018 | 17:20 | 0.4 | NNE | 7/10/2018 | 00:15 | 3.6 | W |
| 6/10/2018 | 10:30 | 2.7 | W | 6/10/2018 | 17:25 | 0.4 | NNW | 7/10/2018 | 00:20 | 1.3 | NNW |
| 6/10/2018 | 10:35 | 3.1 | WNW | 6/10/2018 | 17:30 | 3.6 | WNW | 7/10/2018 | 00:25 | 1.3 | NNE |
| 6/10/2018 | 10:40 | 3.6 | W | 6/10/2018 | 17:35 | 1.3 | NE | 7/10/2018 | 00:30 | 1.3 | NE |
| 6/10/2018 | 10:45 | 3.1 | W | 6/10/2018 | 17:40 | 0.4 | NE | 7/10/2018 | 00:35 | 2.2 | N |
| 6/10/2018 | 10:50 | 0.9 | WNW | 6/10/2018 | 17:45 | 0.4 | NE | 7/10/2018 | 00:40 | 1.3 | NNE |
| 6/10/2018 | 10:55 | 0.9 | NE | 6/10/2018 | 17:50 | 0.4 | SSW | 7/10/2018 | 00:45 | 2.2 | NW |
| 6/10/2018 | 11:00 | 3.6 | W | 6/10/2018 | 17:55 | 1.3 | E | 7/10/2018 | 00:50 | 2.2 | ENE |
| 6/10/2018 | 11:05 | 0.9 | NNW | 6/10/2018 | 18:00 | 1.3 | WNW | 7/10/2018 | 00:55 | 2.2 | ENE |
| 6/10/2018 | 11:10 | 3.6 | WNW | 6/10/2018 | 18:05 | 0.9 | NNW | 7/10/2018 | 01:00 | 1.8 | NE |
| 6/10/2018 | 11:15 | 2.2 | WNW | 6/10/2018 | 18:10 | 1.3 | E | 7/10/2018 | 01:05 | 1.3 | NE |
| 6/10/2018 | 11:20 | 2.2 | N | 6/10/2018 | 18:15 | 3.6 | WNW | 7/10/2018 | 01:10 | 1.8 | N |
| 6/10/2018 | 11:25 | 0.4 | NE | 6/10/2018 | 18:20 | 1.8 | NW | 7/10/2018 | 01:15 | 1.8 | N |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/10/2018 | 01:20 | 2.2 | NE | 7/10/2018 | 08:15 | 3.1 | WNW | 7/10/2018 | 15:10 | 3.1 | WNW |
| 7/10/2018 | 01:25 | 0.9 | NE | 7/10/2018 | 08:20 | 2.2 | N | 7/10/2018 | 15:15 | 2.2 | NNW |
| 7/10/2018 | 01:30 | 3.6 | WNW | 7/10/2018 | 08:25 | 4 | WNW | 7/10/2018 | 15:20 | 2.2 | ENE |
| 7/10/2018 | 01:35 | 2.2 | NW | 7/10/2018 | 08:30 | 1.3 | NNW | 7/10/2018 | 15:25 | 3.6 | W |
| 7/10/2018 | 01:40 | 2.2 | NE | 7/10/2018 | 08:35 | 2.2 | ENE | 7/10/2018 | 15:30 | 1.8 | NE |
| 7/10/2018 | 01:45 | 5.4 | WNW | 7/10/2018 | 08:40 | 1.8 | ENE | 7/10/2018 | 15:35 | 4.5 | WNW |
| 7/10/2018 | 01:50 | 0.9 | NNW | 7/10/2018 | 08:45 | 2.2 | NW | 7/10/2018 | 15:40 | 2.2 | NNW |
| 7/10/2018 | 01:55 | 1.8 | N | 7/10/2018 | 08:50 | 2.7 | N | 7/10/2018 | 15:45 | 2.2 | ENE |
| 7/10/2018 | 02:00 | 1.3 | N | 7/10/2018 | 08:55 | 2.2 | NNW | 7/10/2018 | 15:50 | 2.2 | NNE |
| 7/10/2018 | 02:05 | 4 | WNW | 7/10/2018 | 09:00 | 2.7 | NE | 7/10/2018 | 15:55 | 0.9 | N |
| 7/10/2018 | 02:10 | 1.8 | ENE | 7/10/2018 | 09:05 | 2.2 | NNW | 7/10/2018 | 16:00 | 1.8 | N |
| 7/10/2018 | 02:15 | 0.4 | NNE | 7/10/2018 | 09:10 | 1.3 | NE | 7/10/2018 | 16:05 | 2.2 | NNW |
| 7/10/2018 | 02:20 | 4.5 | WNW | 7/10/2018 | 09:15 | 4 | W | 7/10/2018 | 16:10 | 2.2 | ENE |
| 7/10/2018 | 02:25 | 2.2 | NNW | 7/10/2018 | 09:20 | 1.8 | NW | 7/10/2018 | 16:15 | 2.2 | N |
| 7/10/2018 | 02:30 | 2.2 | NNW | 7/10/2018 | 09:25 | 3.6 | WNW | 7/10/2018 | 16:20 | 2.2 | NNW |
| 7/10/2018 | 02:35 | 2.2 | NE | 7/10/2018 | 09:30 | 0.9 | NNE | 7/10/2018 | 16:25 | 1.8 | N |
| 7/10/2018 | 02:40 | 1.8 | NNW | 7/10/2018 | 09:35 | 2.2 | NW | 7/10/2018 | 16:30 | 0.4 | NE |
| 7/10/2018 | 02:45 | 2.2 | NW | 7/10/2018 | 09:40 | 1.8 | NNW | 7/10/2018 | 16:35 | 1.3 | ENE |
| 7/10/2018 | 02:50 | 0 | N | 7/10/2018 | 09:45 | 4 | W | 7/10/2018 | 16:40 | 1.8 | NNW |
| 7/10/2018 | 02:55 | 1.8 | ENE | 7/10/2018 | 09:50 | 1.8 | NNW | 7/10/2018 | 16:45 | 4.5 | W |
| 7/10/2018 | 03:00 | 3.6 | WNW | 7/10/2018 | 09:55 | 1.8 | N | 7/10/2018 | 16:50 | 1.8 | NE |
| 7/10/2018 | 03:05 | 2.2 | N | 7/10/2018 | 10:00 | 2.2 | NE | 7/10/2018 | 16:55 | 2.2 | N |
| 7/10/2018 | 03:10 | 2.2 | NE | 7/10/2018 | 10:05 | 4.5 | W | 7/10/2018 | 17:00 | 1.3 | N |
| 7/10/2018 | 03:15 | 1.8 | NNW | 7/10/2018 | 10:10 | 2.2 | NE | 7/10/2018 | 17:05 | 1.8 | N |
| 7/10/2018 | 03:20 | 1.3 | N | 7/10/2018 | 10:15 | 1.3 | NE | 7/10/2018 | 17:10 | 2.2 | NNW |
| 7/10/2018 | 03:25 | 1.8 | NW | 7/10/2018 | 10:20 | 4.5 | W | 7/10/2018 | 17:15 | 1.3 | NNE |
| 7/10/2018 | 03:30 | 1.3 | NW | 7/10/2018 | 10:25 | 1.8 | NW | 7/10/2018 | 17:20 | 2.2 | NNE |
| 7/10/2018 | 03:35 | 2.2 | NNW | 7/10/2018 | 10:30 | 2.2 | NW | 7/10/2018 | 17:25 | 1.3 | ENE |
| 7/10/2018 | 03:40 | 1.8 | ENE | 7/10/2018 | 10:35 | 1.8 | NNW | 7/10/2018 | 17:30 | 4 | WNW |
| 7/10/2018 | 03:45 | 1.8 | NE | 7/10/2018 | 10:40 | 2.2 | NE | 7/10/2018 | 17:35 | 2.2 | NNW |
| 7/10/2018 | 03:50 | 2.2 | NW | 7/10/2018 | 10:45 | 1.8 | N | 7/10/2018 | 17:40 | 2.2 | ENE |
| 7/10/2018 | 03:55 | 1.3 | NNW | 7/10/2018 | 10:50 | 2.2 | NW | 7/10/2018 | 17:45 | 1.8 | NW |
| 7/10/2018 | 04:00 | 1.3 | NE | 7/10/2018 | 10:55 | 4.5 | W | 7/10/2018 | 17:50 | 4 | WNW |
| 7/10/2018 | 04:05 | 1.3 | ENE | 7/10/2018 | 11:00 | 1.3 | NNE | 7/10/2018 | 17:55 | 2.2 | NNW |
| 7/10/2018 | 04:10 | 4.5 | WNW | 7/10/2018 | 11:05 | 4.9 | W | 7/10/2018 | 18:00 | 4 | WNW |
| 7/10/2018 | 04:15 | 2.2 | NNW | 7/10/2018 | 11:10 | 2.7 | NNW | 7/10/2018 | 18:05 | 1.3 | W |
| 7/10/2018 | 04:20 | 1.8 | N | 7/10/2018 | 11:15 | 4.5 | W | 7/10/2018 | 18:10 | 4 | W |
| 7/10/2018 | 04:25 | 1.3 | NNE | 7/10/2018 | 11:20 | 2.2 | ENE | 7/10/2018 | 18:15 | 1.3 | NNW |
| 7/10/2018 | 04:30 | 4.5 | WNW | 7/10/2018 | 11:25 | 1.8 | N | 7/10/2018 | 18:20 | 1.8 | NNW |
| 7/10/2018 | 04:35 | 1.3 | NE | 7/10/2018 | 11:30 | 3.1 | WNW | 7/10/2018 | 18:25 | 2.2 | NNW |
| 7/10/2018 | 04:40 | 2.2 | N | 7/10/2018 | 11:35 | 1.8 | N | 7/10/2018 | 18:30 | 2.7 | NNW |
| 7/10/2018 | 04:45 | 4 | WNW | 7/10/2018 | 11:40 | 2.7 | NNW | 7/10/2018 | 18:35 | 1.3 | ENE |
| 7/10/2018 | 04:50 | 1.3 | NE | 7/10/2018 | 11:45 | 0.9 | NNW | 7/10/2018 | 18:40 | 4 | W |
| 7/10/2018 | 04:55 | 2.2 | NNW | 7/10/2018 | 11:50 | 1.8 | NW | 7/10/2018 | 18:45 | 2.2 | NW |
| 7/10/2018 | 05:00 | 1.8 | NE | 7/10/2018 | 11:55 | 1.8 | NE | 7/10/2018 | 18:50 | 1.8 | NE |
| 7/10/2018 | 05:05 | 1.8 | ENE | 7/10/2018 | 12:00 | 2.2 | N | 7/10/2018 | 18:55 | 4.5 | WNW |
| 7/10/2018 | 05:10 | 2.7 | NW | 7/10/2018 | 12:05 | 1.3 | NE | 7/10/2018 | 19:00 | 2.2 | NE |
| 7/10/2018 | 05:15 | 3.6 | W | 7/10/2018 | 12:10 | 4 | WNW | 7/10/2018 | 19:05 | 4.9 | WNW |
| 7/10/2018 | 05:20 | 1.3 | NE | 7/10/2018 | 12:15 | 1.8 | NW | 7/10/2018 | 19:10 | 3.1 | NNE |
| 7/10/2018 | 05:25 | 2.2 | N | 7/10/2018 | 12:20 | 1.3 | N | 7/10/2018 | 19:15 | 2.7 | NNE |
| 7/10/2018 | 05:30 | 0.9 | NNE | 7/10/2018 | 12:25 | 1.3 | NNE | 7/10/2018 | 19:20 | 3.6 | W |
| 7/10/2018 | 05:35 | 3.6 | WNW | 7/10/2018 | 12:30 | 1.8 | ENE | 7/10/2018 | 19:25 | 1.8 | NNW |
| 7/10/2018 | 05:40 | 1.3 | ENE | 7/10/2018 | 12:35 | 1.8 | NW | 7/10/2018 | 19:30 | 1.3 | NE |
| 7/10/2018 | 05:45 | 2.7 | NW | 7/10/2018 | 12:40 | 1.3 | ENE | 7/10/2018 | 19:35 | 1.8 | NE |
| 7/10/2018 | 05:50 | 4.5 | W | 7/10/2018 | 12:45 | 1.8 | N | 7/10/2018 | 19:40 | 4.5 | W |
| 7/10/2018 | 05:55 | 1.3 | NE | 7/10/2018 | 12:50 | 2.7 | NW | 7/10/2018 | 19:45 | 2.2 | N |
| 7/10/2018 | 06:00 | 2.2 | NW | 7/10/2018 | 12:55 | 1.8 | N | 7/10/2018 | 19:50 | 1.3 | N |
| 7/10/2018 | 06:05 | 2.2 | N | 7/10/2018 | 13:00 | 1.3 | NNW | 7/10/2018 | 19:55 | 1.3 | NE |
| 7/10/2018 | 06:10 | 2.7 | NE | 7/10/2018 | 13:05 | 4.9 | W | 7/10/2018 | 20:00 | 1.8 | ENE |
| 7/10/2018 | 06:15 | 1.8 | NE | 7/10/2018 | 13:10 | 1.3 | ENE | 7/10/2018 | 20:05 | 2.2 | N |
| 7/10/2018 | 06:20 | 1.8 | NE | 7/10/2018 | 13:15 | 4 | WNW | 7/10/2018 | 20:10 | 2.2 | N |
| 7/10/2018 | 06:25 | 1.8 | N | 7/10/2018 | 13:20 | 2.2 | NNW | 7/10/2018 | 20:15 | 3.1 | W |
| 7/10/2018 | 06:30 | 4.5 | W | 7/10/2018 | 13:25 | 3.6 | WNW | 7/10/2018 | 20:20 | 2.2 | NNW |
| 7/10/2018 | 06:35 | 4.9 | WNW | 7/10/2018 | 13:30 | 1.8 | NE | 7/10/2018 | 20:25 | 4 | W |
| 7/10/2018 | 06:40 | 2.2 | N | 7/10/2018 | 13:35 | 1.3 | NNE | 7/10/2018 | 20:30 | 1.8 | ENE |
| 7/10/2018 | 06:45 | 4 | W | 7/10/2018 | 13:40 | 1.3 | ENE | 7/10/2018 | 20:35 | 2.2 | NE |
| 7/10/2018 | 06:50 | 2.2 | NNW | 7/10/2018 | 13:45 | 2.7 | NNW | 7/10/2018 | 20:40 | 1.8 | NNW |
| 7/10/2018 | 06:55 | 2.2 | NNE | 7/10/2018 | 13:50 | 2.2 | NW | 7/10/2018 | 20:45 | 1.8 | NE |
| 7/10/2018 | 07:00 | 1.3 | NW | 7/10/2018 | 13:55 | 2.2 | N | 7/10/2018 | 20:50 | 1.8 | ENE |
| 7/10/2018 | 07:05 | 1.8 | NNW | 7/10/2018 | 14:00 | 1.8 | WNW | 7/10/2018 | 20:55 | 2.2 | NE |
| 7/10/2018 | 07:10 | 3.6 | WNW | 7/10/2018 | 14:05 | 4.5 | W | 7/10/2018 | 21:00 | 2.2 | ENE |
| 7/10/2018 | 07:15 | 1.3 | N | 7/10/2018 | 14:10 | 0.9 | N | 7/10/2018 | 21:05 | 4.9 | W |
| 7/10/2018 | 07:20 | 0.4 | NE | 7/10/2018 | 14:15 | 1.3 | NE | 7/10/2018 | 21:10 | 2.7 | NNE |
| 7/10/2018 | 07:25 | 2.2 | NW | 7/10/2018 | 14:20 | 2.2 | NW | 7/10/2018 | 21:15 | 0.9 | NE |
| 7/10/2018 | 07:30 | 4.9 | WNW | 7/10/2018 | 14:25 | 1.8 | N | 7/10/2018 | 21:20 | 2.2 | ENE |
| 7/10/2018 | 07:35 | 2.2 | N | 7/10/2018 | 14:30 | 1.8 | NE | 7/10/2018 | 21:25 | 4.5 | W |
| 7/10/2018 | 07:40 | 1.8 | ENE | 7/10/2018 | 14:35 | 1.8 | ENE | 7/10/2018 | 21:30 | 2.2 | N |
| 7/10/2018 | 07:45 | 2.2 | N | 7/10/2018 | 14:40 | 1.8 | NW | 7/10/2018 | 21:35 | 0.4 | N |
| 7/10/2018 | 07:50 | 1.8 | NE | 7/10/2018 | 14:45 | 4.5 | W | 7/10/2018 | 21:40 | 2.7 | NNE |
| 7/10/2018 | 07:55 | 2.7 | NE | 7/10/2018 | 14:50 | 2.2 | W | 7/10/2018 | 21:45 | 4.5 | WNW |
| 7/10/2018 | 08:00 | 3.1 | WNW | 7/10/2018 | 14:55 | 2.2 | NNW | 7/10/2018 | 21:50 | 1.8 | ENE |
| 7/10/2018 | 08:05 | 0.4 | NE | 7/10/2018 | 15:00 | 1.8 | ENE | 7/10/2018 | 21:55 | 1.8 | N |
| 7/10/2018 | 08:10 | 1.3 | N | 7/10/2018 | 15:05 | 0.4 | NE | 7/10/2018 | 22:00 | 0.9 | N |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/10/2018 | 22:05 | 1.3 | ENE | 8/10/2018 | 05:00 | 1.3 | NNW | 8/10/2018 | 11:55 | 2.2 | NNW |
| 7/10/2018 | 22:10 | 2.2 | NW | 8/10/2018 | 05:05 | 2.2 | NW | 8/10/2018 | 12:00 | 2.7 | W |
| 7/10/2018 | 22:15 | 2.2 | ENE | 8/10/2018 | 05:10 | 1.8 | N | 8/10/2018 | 12:05 | 1.8 | N |
| 7/10/2018 | 22:20 | 2.2 | NW | 8/10/2018 | 05:15 | 3.6 | W | 8/10/2018 | 12:10 | 1.3 | NW |
| 7/10/2018 | 22:25 | 2.2 | W | 8/10/2018 | 05:20 | 1.8 | NW | 8/10/2018 | 12:15 | 1.8 | NNE |
| 7/10/2018 | 22:30 | 2.7 | N | 8/10/2018 | 05:25 | 3.1 | W | 8/10/2018 | 12:20 | 4.9 | WNW |
| 7/10/2018 | 22:35 | 2.7 | NNW | 8/10/2018 | 05:30 | 1.8 | N | 8/10/2018 | 12:25 | 4 | W |
| 7/10/2018 | 22:40 | 1.3 | NNE | 8/10/2018 | 05:35 | 1.8 | NNW | 8/10/2018 | 12:30 | 3.1 | WNW |
| 7/10/2018 | 22:45 | 2.2 | NNW | 8/10/2018 | 05:40 | 2.2 | NNE | 8/10/2018 | 12:35 | 3.6 | W |
| 7/10/2018 | 22:50 | 2.2 | NE | 8/10/2018 | 05:45 | 2.7 | W | 8/10/2018 | 12:40 | 1.8 | NW |
| 7/10/2018 | 22:55 | 1.3 | NE | 8/10/2018 | 05:50 | 1.8 | N | 8/10/2018 | 12:45 | 3.1 | WNW |
| 7/10/2018 | 23:00 | 0.9 | NW | 8/10/2018 | 05:55 | 2.7 | NNE | 8/10/2018 | 12:50 | 2.2 | NNW |
| 7/10/2018 | 23:05 | 2.2 | NNE | 8/10/2018 | 06:00 | 2.2 | N | 8/10/2018 | 12:55 | 1.8 | N |
| 7/10/2018 | 23:10 | 1.3 | N | 8/10/2018 | 06:05 | 4.5 | WNW | 8/10/2018 | 13:00 | 4.5 | WNW |
| 7/10/2018 | 23:15 | 2.2 | NNW | 8/10/2018 | 06:10 | 2.7 | WNW | 8/10/2018 | 13:05 | 2.2 | NNW |
| 7/10/2018 | 23:20 | 1.8 | NW | 8/10/2018 | 06:15 | 4 | WNW | 8/10/2018 | 13:10 | 4.5 | W |
| 7/10/2018 | 23:25 | 0.9 | NW | 8/10/2018 | 06:20 | 2.7 | NNW | 8/10/2018 | 13:15 | 2.7 | N |
| 7/10/2018 | 23:30 | 1.8 | NW | 8/10/2018 | 06:25 | 3.6 | W | 8/10/2018 | 13:20 | 2.2 | NW |
| 7/10/2018 | 23:35 | 1.8 | NE | 8/10/2018 | 06:30 | 1.3 | NW | 8/10/2018 | 13:25 | 2.2 | NW |
| 7/10/2018 | 23:40 | 1.3 | NE | 8/10/2018 | 06:35 | 2.7 | N | 8/10/2018 | 13:30 | 2.2 | WNW |
| 7/10/2018 | 23:45 | 3.6 | WNW | 8/10/2018 | 06:40 | 3.1 | WNW | 8/10/2018 | 13:35 | 4.5 | W |
| 7/10/2018 | 23:50 | 1.8 | NNW | 8/10/2018 | 06:45 | 1.8 | N | 8/10/2018 | 13:40 | 1.8 | NW |
| 7/10/2018 | 23:55 | 2.2 | NNW | 8/10/2018 | 06:50 | 1.8 | NW | 8/10/2018 | 13:45 | 3.6 | N |
| 8/10/2018 | 00:00 | 1.3 | NNE | 8/10/2018 | 06:55 | 2.2 | NW | 8/10/2018 | 13:50 | 1.8 | NW |
| 8/10/2018 | 00:05 | 2.2 | NW | 8/10/2018 | 07:00 | 4.9 | W | 8/10/2018 | 13:55 | 2.2 | N |
| 8/10/2018 | 00:10 | 4.5 | W | 8/10/2018 | 07:05 | 1.8 | NE | 8/10/2018 | 14:00 | 1.3 | N |
| 8/10/2018 | 00:15 | 3.6 | W | 8/10/2018 | 07:10 | 4 | WNW | 8/10/2018 | 14:05 | 1.8 | NNW |
| 8/10/2018 | 00:20 | 2.2 | NNW | 8/10/2018 | 07:15 | 1.3 | NW | 8/10/2018 | 14:10 | 3.6 | WNW |
| 8/10/2018 | 00:25 | 1.8 | NNW | 8/10/2018 | 07:20 | 2.7 | NNW | 8/10/2018 | 14:15 | 2.7 | WNW |
| 8/10/2018 | 00:30 | 2.2 | WNW | 8/10/2018 | 07:25 | 3.6 | W | 8/10/2018 | 14:20 | 2.7 | N |
| 8/10/2018 | 00:35 | 1.8 | NW | 8/10/2018 | 07:30 | 1.3 | NNW | 8/10/2018 | 14:25 | 2.2 | W |
| 8/10/2018 | 00:40 | 2.2 | NW | 8/10/2018 | 07:35 | 4 | W | 8/10/2018 | 14:30 | 1.8 | NW |
| 8/10/2018 | 00:45 | 5.4 | W | 8/10/2018 | 07:40 | 1.3 | NNE | 8/10/2018 | 14:35 | 4 | WNW |
| 8/10/2018 | 00:50 | 1.3 | NW | 8/10/2018 | 07:45 | 1.8 | NNE | 8/10/2018 | 14:40 | 1.3 | NNW |
| 8/10/2018 | 00:55 | 2.7 | N | 8/10/2018 | 07:50 | 1.3 | NNE | 8/10/2018 | 14:45 | 3.6 | W |
| 8/10/2018 | 01:00 | 2.2 | NNE | 8/10/2018 | 07:55 | 1.3 | N | 8/10/2018 | 14:50 | 1.3 | NW |
| 8/10/2018 | 01:05 | 1.8 | N | 8/10/2018 | 08:00 | 2.7 | NW | 8/10/2018 | 14:55 | 4.5 | W |
| 8/10/2018 | 01:10 | 4.9 | W | 8/10/2018 | 08:05 | 5.8 | W | 8/10/2018 | 15:00 | 1.8 | NNW |
| 8/10/2018 | 01:15 | 3.1 | N | 8/10/2018 | 08:10 | 2.2 | N | 8/10/2018 | 15:05 | 1.8 | WNW |
| 8/10/2018 | 01:20 | 2.7 | WNW | 8/10/2018 | 08:15 | 4.5 | WNW | 8/10/2018 | 15:10 | 2.7 | NW |
| 8/10/2018 | 01:25 | 4 | WNW | 8/10/2018 | 08:20 | 1.8 | ENE | 8/10/2018 | 15:15 | 1.3 | N |
| 8/10/2018 | 01:30 | 4.5 | W | 8/10/2018 | 08:25 | 1.3 | NNE | 8/10/2018 | 15:20 | 5.4 | WNW |
| 8/10/2018 | 01:35 | 4 | W | 8/10/2018 | 08:30 | 2.7 | W | 8/10/2018 | 15:25 | 4.5 | W |
| 8/10/2018 | 01:40 | 4.5 | WNW | 8/10/2018 | 08:35 | 3.1 | NNW | 8/10/2018 | 15:30 | 1.3 | N |
| 8/10/2018 | 01:45 | 2.2 | NW | 8/10/2018 | 08:40 | 1.3 | NW | 8/10/2018 | 15:35 | 0.9 | NW |
| 8/10/2018 | 01:50 | 2.2 | NNW | 8/10/2018 | 08:45 | 2.2 | N | 8/10/2018 | 15:40 | 2.2 | NW |
| 8/10/2018 | 01:55 | 2.2 | NNW | 8/10/2018 | 08:50 | 2.2 | NW | 8/10/2018 | 15:45 | 1.8 | NNW |
| 8/10/2018 | 02:00 | 1.8 | NE | 8/10/2018 | 08:55 | 2.2 | NW | 8/10/2018 | 15:50 | 2.7 | N |
| 8/10/2018 | 02:05 | 2.2 | NW | 8/10/2018 | 09:00 | 3.1 | WNW | 8/10/2018 | 15:55 | 2.2 | NW |
| 8/10/2018 | 02:10 | 3.6 | WNW | 8/10/2018 | 09:05 | 1.8 | NNW | 8/10/2018 | 16:00 | 3.6 | W |
| 8/10/2018 | 02:15 | 2.2 | NW | 8/10/2018 | 09:10 | 4 | W | 8/10/2018 | 16:05 | 2.2 | N |
| 8/10/2018 | 02:20 | 1.3 | NNE | 8/10/2018 | 09:15 | 3.6 | W | 8/10/2018 | 16:10 | 4.5 | WNW |
| 8/10/2018 | 02:25 | 2.7 | NW | 8/10/2018 | 09:20 | 1.8 | N | 8/10/2018 | 16:15 | 1.8 | N |
| 8/10/2018 | 02:30 | 1.3 | NNE | 8/10/2018 | 09:25 | 4.9 | W | 8/10/2018 | 16:20 | 1.8 | NW |
| 8/10/2018 | 02:35 | 1.8 | NW | 8/10/2018 | 09:30 | 1.8 | NNE | 8/10/2018 | 16:25 | 1.8 | NW |
| 8/10/2018 | 02:40 | 1.8 | NW | 8/10/2018 | 09:35 | 1.8 | NNW | 8/10/2018 | 16:30 | 4.5 | W |
| 8/10/2018 | 02:45 | 4.5 | W | 8/10/2018 | 09:40 | 2.2 | NW | 8/10/2018 | 16:35 | 3.1 | WNW |
| 8/10/2018 | 02:50 | 4.5 | W | 8/10/2018 | 09:45 | 2.2 | NNW | 8/10/2018 | 16:40 | 5.4 | W |
| 8/10/2018 | 02:55 | 4.9 | W | 8/10/2018 | 09:50 | 2.2 | NNW | 8/10/2018 | 16:45 | 2.2 | NNE |
| 8/10/2018 | 03:00 | 1.3 | NW | 8/10/2018 | 09:55 | 1.8 | NW | 8/10/2018 | 16:50 | 2.2 | NW |
| 8/10/2018 | 03:05 | 1.8 | NNW | 8/10/2018 | 10:00 | 4.9 | W | 8/10/2018 | 16:55 | 1.8 | NW |
| 8/10/2018 | 03:10 | 1.8 | NW | 8/10/2018 | 10:05 | 3.6 | W | 8/10/2018 | 17:00 | 4 | W |
| 8/10/2018 | 03:15 | 3.1 | W | 8/10/2018 | 10:10 | 1.8 | NW | 8/10/2018 | 17:05 | 3.1 | WNW |
| 8/10/2018 | 03:20 | 4 | W | 8/10/2018 | 10:15 | 3.6 | W | 8/10/2018 | 17:10 | 3.1 | W |
| 8/10/2018 | 03:25 | 1.8 | NNW | 8/10/2018 | 10:20 | 1.8 | NNE | 8/10/2018 | 17:15 | 1.8 | N |
| 8/10/2018 | 03:30 | 1.3 | NNW | 8/10/2018 | 10:25 | 2.2 | NW | 8/10/2018 | 17:20 | 2.2 | N |
| 8/10/2018 | 03:35 | 5.4 | W | 8/10/2018 | 10:30 | 3.6 | W | 8/10/2018 | 17:25 | 2.2 | NE |
| 8/10/2018 | 03:40 | 4.5 | W | 8/10/2018 | 10:35 | 4.9 | W | 8/10/2018 | 17:30 | 3.1 | W |
| 8/10/2018 | 03:45 | 4.9 | WNW | 8/10/2018 | 10:40 | 2.2 | NE | 8/10/2018 | 17:35 | 4.9 | W |
| 8/10/2018 | 03:50 | 2.2 | N | 8/10/2018 | 10:45 | 4.9 | W | 8/10/2018 | 17:40 | 2.2 | NW |
| 8/10/2018 | 03:55 | 2.2 | NW | 8/10/2018 | 10:50 | 1.8 | NW | 8/10/2018 | 17:45 | 1.8 | NW |
| 8/10/2018 | 04:00 | 4.9 | W | 8/10/2018 | 10:55 | 2.7 | NW | 8/10/2018 | 17:50 | 2.2 | N |
| 8/10/2018 | 04:05 | 1.8 | N | 8/10/2018 | 11:00 | 1.8 | NW | 8/10/2018 | 17:55 | 2.2 | WNW |
| 8/10/2018 | 04:10 | 2.2 | W | 8/10/2018 | 11:05 | 1.8 | NW | 8/10/2018 | 18:00 | 2.2 | N |
| 8/10/2018 | 04:15 | 2.2 | NW | 8/10/2018 | 11:10 | 1.8 | NNW | 8/10/2018 | 18:05 | 1.3 | NNW |
| 8/10/2018 | 04:20 | 1.8 | NW | 8/10/2018 | 11:15 | 2.2 | NNW | 8/10/2018 | 18:10 | 4.9 | W |
| 8/10/2018 | 04:25 | 1.8 | NW | 8/10/2018 | 11:20 | 1.8 | NW | 8/10/2018 | 18:15 | 3.6 | W |
| 8/10/2018 | 04:30 | 2.7 | NW | 8/10/2018 | 11:25 | 2.2 | NW | 8/10/2018 | 18:20 | 1.8 | NE |
| 8/10/2018 | 04:35 | 4.5 | W | 8/10/2018 | 11:30 | 2.2 | NW | 8/10/2018 | 18:25 | 2.2 | NW |
| 8/10/2018 | 04:40 | 2.2 | N | 8/10/2018 | 11:35 | 1.3 | NW | 8/10/2018 | 18:30 | 2.2 | NW |
| 8/10/2018 | 04:45 | 2.2 | NW | 8/10/2018 | 11:40 | 1.8 | NW | 8/10/2018 | 18:35 | 1.8 | N |
| 8/10/2018 | 04:50 | 5.4 | WNW | 8/10/2018 | 11:45 | 1.8 | NW | 8/10/2018 | 18:40 | 1.8 | NW |
| 8/10/2018 | 04:55 | 5.4 | W | 8/10/2018 | 11:50 | 3.6 | W | 8/10/2018 | 18:45 | 1.8 | NNE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/10/2018 | 18:50 | 4.5 | W | 9/10/2018 | 01:45 | 0.4 | WSW | 9/10/2018 | 08:40 | 1.3 | NNW |
| 8/10/2018 | 18:55 | 2.2 | NW | 9/10/2018 | 01:50 | 3.6 | W | 9/10/2018 | 08:45 | 2.2 | NNW |
| 8/10/2018 | 19:00 | 1.8 | NW | 9/10/2018 | 01:55 | 1.3 | N | 9/10/2018 | 08:50 | 4.9 | WNW |
| 8/10/2018 | 19:05 | 1.8 | ENE | 9/10/2018 | 02:00 | 4.5 | WNW | 9/10/2018 | 08:55 | 1.8 | NW |
| 8/10/2018 | 19:10 | 2.2 | NW | 9/10/2018 | 02:05 | 4.9 | WNW | 9/10/2018 | 09:00 | 2.2 | NW |
| 8/10/2018 | 19:15 | 2.2 | N | 9/10/2018 | 02:10 | 2.2 | NNW | 9/10/2018 | 09:05 | 0.4 | WSW |
| 8/10/2018 | 19:20 | 1.8 | NNE | 9/10/2018 | 02:15 | 4.5 | WNW | 9/10/2018 | 09:10 | 3.1 | WNW |
| 8/10/2018 | 19:25 | 1.3 | NW | 9/10/2018 | 02:20 | 4.9 | W | 9/10/2018 | 09:15 | 1.8 | NW |
| 8/10/2018 | 19:30 | 4 | W | 9/10/2018 | 02:25 | 2.2 | NNW | 9/10/2018 | 09:20 | 4 | WNW |
| 8/10/2018 | 19:35 | 4 | W | 9/10/2018 | 02:30 | 2.7 | NW | 9/10/2018 | 09:25 | 4 | W |
| 8/10/2018 | 19:40 | 2.7 | NNE | 9/10/2018 | 02:35 | 4.5 | WNW | 9/10/2018 | 09:30 | 2.2 | NNW |
| 8/10/2018 | 19:45 | 2.2 | NW | 9/10/2018 | 02:40 | 5.8 | WNW | 9/10/2018 | 09:35 | 2.2 | NNW |
| 8/10/2018 | 19:50 | 1.3 | N | 9/10/2018 | 02:45 | 1.8 | NNW | 9/10/2018 | 09:40 | 1.8 | WNW |
| 8/10/2018 | 19:55 | 2.2 | N | 9/10/2018 | 02:50 | 1.8 | NNW | 9/10/2018 | 09:45 | 2.2 | NNW |
| 8/10/2018 | 20:00 | 1.8 | NW | 9/10/2018 | 02:55 | 4.9 | W | 9/10/2018 | 09:50 | 1.8 | NW |
| 8/10/2018 | 20:05 | 1.3 | N | 9/10/2018 | 03:00 | 1.8 | WNW | 9/10/2018 | 09:55 | 5.8 | WNW |
| 8/10/2018 | 20:10 | 1.8 | NW | 9/10/2018 | 03:05 | 1.8 | NW | 9/10/2018 | 10:00 | 1.3 | NNW |
| 8/10/2018 | 20:15 | 1.8 | NE | 9/10/2018 | 03:10 | 1.8 | WSW | 9/10/2018 | 10:05 | 2.7 | NW |
| 8/10/2018 | 20:20 | 1.8 | NNW | 9/10/2018 | 03:15 | 5.4 | WNW | 9/10/2018 | 10:10 | 4.5 | WNW |
| 8/10/2018 | 20:25 | 4.5 | W | 9/10/2018 | 03:20 | 0.4 | WSW | 9/10/2018 | 10:15 | 2.2 | NNW |
| 8/10/2018 | 20:30 | 2.7 | NW | 9/10/2018 | 03:25 | 3.6 | NW | 9/10/2018 | 10:20 | 5.8 | WNW |
| 8/10/2018 | 20:35 | 4.9 | W | 9/10/2018 | 03:30 | 1.3 | NNW | 9/10/2018 | 10:25 | 3.1 | W |
| 8/10/2018 | 20:40 | 2.2 | NNW | 9/10/2018 | 03:35 | 4.5 | WNW | 9/10/2018 | 10:30 | 2.2 | NW |
| 8/10/2018 | 20:45 | 4 | W | 9/10/2018 | 03:40 | 1.8 | NW | 9/10/2018 | 10:35 | 1.8 | NW |
| 8/10/2018 | 20:50 | 2.2 | WNW | 9/10/2018 | 03:45 | 2.2 | NNW | 9/10/2018 | 10:40 | 2.2 | NW |
| 8/10/2018 | 20:55 | 4 | W | 9/10/2018 | 03:50 | 5.4 | WNW | 9/10/2018 | 10:45 | 1.3 | NNW |
| 8/10/2018 | 21:00 | 4 | W | 9/10/2018 | 03:55 | 4 | WNW | 9/10/2018 | 10:50 | 5.8 | WNW |
| 8/10/2018 | 21:05 | 4.5 | W | 9/10/2018 | 04:00 | 2.2 | NNW | 9/10/2018 | 10:55 | 4.5 | WNW |
| 8/10/2018 | 21:10 | 2.2 | NW | 9/10/2018 | 04:05 | 5.8 | W | 9/10/2018 | 11:00 | 4 | W |
| 8/10/2018 | 21:15 | 2.2 | NNE | 9/10/2018 | 04:10 | 2.7 | WNW | 9/10/2018 | 11:05 | 1.8 | NNW |
| 8/10/2018 | 21:20 | 2.7 | NW | 9/10/2018 | 04:15 | 2.2 | NW | 9/10/2018 | 11:10 | 3.6 | WNW |
| 8/10/2018 | 21:25 | 1.8 | NE | 9/10/2018 | 04:20 | 2.2 | NNW | 9/10/2018 | 11:15 | 1.8 | NW |
| 8/10/2018 | 21:30 | 0.9 | NNE | 9/10/2018 | 04:25 | 1.3 | NW | 9/10/2018 | 11:20 | 2.2 | NNW |
| 8/10/2018 | 21:35 | 2.2 | NW | 9/10/2018 | 04:30 | 2.2 | NNW | 9/10/2018 | 11:25 | 2.2 | NW |
| 8/10/2018 | 21:40 | 1.8 | NW | 9/10/2018 | 04:35 | 3.6 | WNW | 9/10/2018 | 11:30 | 4 | SW |
| 8/10/2018 | 21:45 | 1.8 | NW | 9/10/2018 | 04:40 | 3.1 | WSW | 9/10/2018 | 11:35 | 2.2 | NNW |
| 8/10/2018 | 21:50 | 2.2 | NW | 9/10/2018 | 04:45 | 1.3 | NNW | 9/10/2018 | 11:40 | 1.8 | NNW |
| 8/10/2018 | 21:55 | 4 | WNW | 9/10/2018 | 04:50 | 2.2 | NNW | 9/10/2018 | 11:45 | 4.5 | W |
| 8/10/2018 | 22:00 | 4 | W | 9/10/2018 | 04:55 | 3.1 | WSW | 9/10/2018 | 11:50 | 1.3 | NW |
| 8/10/2018 | 22:05 | 2.2 | N | 9/10/2018 | 05:00 | 2.7 | NW | 9/10/2018 | 11:55 | 4.5 | WNW |
| 8/10/2018 | 22:10 | 1.8 | NW | 9/10/2018 | 05:05 | 3.6 | W | 9/10/2018 | 12:00 | 4 | W |
| 8/10/2018 | 22:15 | 4.5 | WNW | 9/10/2018 | 05:10 | 2.2 | NNW | 9/10/2018 | 12:05 | 2.2 | NNW |
| 8/10/2018 | 22:20 | 1.8 | NW | 9/10/2018 | 05:15 | 2.7 | WNW | 9/10/2018 | 12:10 | 5.4 | WNW |
| 8/10/2018 | 22:25 | 2.2 | W | 9/10/2018 | 05:20 | 1.8 | NNW | 9/10/2018 | 12:15 | 5.4 | WNW |
| 8/10/2018 | 22:30 | 1.8 | NW | 9/10/2018 | 05:25 | 1.8 | NW | 9/10/2018 | 12:20 | 1.3 | NNW |
| 8/10/2018 | 22:35 | 1.8 | NW | 9/10/2018 | 05:30 | 1.3 | NNW | 9/10/2018 | 12:25 | 2.2 | NNW |
| 8/10/2018 | 22:40 | 2.7 | N | 9/10/2018 | 05:35 | 2.2 | NW | 9/10/2018 | 12:30 | 1.8 | NNW |
| 8/10/2018 | 22:45 | 2.2 | NNW | 9/10/2018 | 05:40 | 1.3 | NW | 9/10/2018 | 12:35 | 2.2 | NNW |
| 8/10/2018 | 22:50 | 3.1 | WNW | 9/10/2018 | 05:45 | 0.9 | NW | 9/10/2018 | 12:40 | 4.5 | WNW |
| 8/10/2018 | 22:55 | 1.8 | NNE | 9/10/2018 | 05:50 | 5.8 | WNW | 9/10/2018 | 12:45 | 1.3 | NNW |
| 8/10/2018 | 23:00 | 4 | WNW | 9/10/2018 | 05:55 | 4.9 | W | 9/10/2018 | 12:50 | 4.9 | W |
| 8/10/2018 | 23:05 | 1.8 | NW | 9/10/2018 | 06:00 | 1.8 | NNW | 9/10/2018 | 12:55 | 2.2 | NNW |
| 8/10/2018 | 23:10 | 4 | WNW | 9/10/2018 | 06:05 | 2.2 | NNW | 9/10/2018 | 13:00 | 1.8 | NNW |
| 8/10/2018 | 23:15 | 1.8 | NNW | 9/10/2018 | 06:10 | 1.8 | NNW | 9/10/2018 | 13:05 | 4.5 | WNW |
| 8/10/2018 | 23:20 | 3.6 | W | 9/10/2018 | 06:15 | 2.2 | NNW | 9/10/2018 | 13:10 | 1.8 | NNW |
| 8/10/2018 | 23:25 | 2.2 | NW | 9/10/2018 | 06:20 | 1.3 | NW | 9/10/2018 | 13:15 | 2.2 | NNW |
| 8/10/2018 | 23:30 | 4 | W | 9/10/2018 | 06:25 | 5.8 | WNW | 9/10/2018 | 13:20 | 4 | W |
| 8/10/2018 | 23:35 | 2.7 | WNW | 9/10/2018 | 06:30 | 1.3 | NNW | 9/10/2018 | 13:25 | 2.2 | NNW |
| 8/10/2018 | 23:40 | 1.3 | NNW | 9/10/2018 | 06:35 | 6.7 | WNW | 9/10/2018 | 13:30 | 2.2 | NNW |
| 8/10/2018 | 23:45 | 1.8 | NE | 9/10/2018 | 06:40 | 0.4 | WSW | 9/10/2018 | 13:35 | 3.6 | W |
| 8/10/2018 | 23:50 | 1.8 | NW | 9/10/2018 | 06:45 | 0.4 | WSW | 9/10/2018 | 13:40 | 4.9 | WNW |
| 8/10/2018 | 23:55 | 4 | WNW | 9/10/2018 | 06:50 | 1.8 | NNW | 9/10/2018 | 13:45 | 1.3 | NNE |
| 9/10/2018 | 00:00 | 2.2 | NW | 9/10/2018 | 06:55 | 1.3 | NNW | 9/10/2018 | 13:50 | 4 | W |
| 9/10/2018 | 00:05 | 5.4 | WNW | 9/10/2018 | 07:00 | 4.9 | WNW | 9/10/2018 | 13:55 | 0.4 | WSW |
| 9/10/2018 | 00:10 | 2.7 | NW | 9/10/2018 | 07:05 | 5.8 | WNW | 9/10/2018 | 14:00 | 3.6 | WNW |
| 9/10/2018 | 00:15 | 4.5 | W | 9/10/2018 | 07:10 | 2.2 | NNW | 9/10/2018 | 14:05 | 1.3 | NNW |
| 9/10/2018 | 00:20 | 3.1 | WNW | 9/10/2018 | 07:15 | 2.2 | WNW | 9/10/2018 | 14:10 | 2.2 | NW |
| 9/10/2018 | 00:25 | 2.7 | W | 9/10/2018 | 07:20 | 2.2 | NNW | 9/10/2018 | 14:15 | 4.5 | WNW |
| 9/10/2018 | 00:30 | 1.8 | NW | 9/10/2018 | 07:25 | 2.2 | NW | 9/10/2018 | 14:20 | 1.3 | NNW |
| 9/10/2018 | 00:35 | 4.9 | WNW | 9/10/2018 | 07:30 | 1.3 | NW | 9/10/2018 | 14:25 | 4 | W |
| 9/10/2018 | 00:40 | 6.3 | WNW | 9/10/2018 | 07:35 | 1.8 | NW | 9/10/2018 | 14:30 | 2.2 | NNW |
| 9/10/2018 | 00:45 | 1.3 | NW | 9/10/2018 | 07:40 | 1.8 | WNW | 9/10/2018 | 14:35 | 3.6 | W |
| 9/10/2018 | 00:50 | 4 | W | 9/10/2018 | 07:45 | 2.2 | NNW | 9/10/2018 | 14:40 | 1.8 | NNW |
| 9/10/2018 | 00:55 | 4 | WNW | 9/10/2018 | 07:50 | 1.8 | NW | 9/10/2018 | 14:45 | 2.2 | NNW |
| 9/10/2018 | 01:00 | 2.2 | NNW | 9/10/2018 | 07:55 | 4 | W | 9/10/2018 | 14:50 | 2.2 | NW |
| 9/10/2018 | 01:05 | 4.9 | WNW | 9/10/2018 | 08:00 | 2.2 | NNW | 9/10/2018 | 14:55 | 2.2 | NW |
| 9/10/2018 | 01:10 | 3.6 | WSW | 9/10/2018 | 08:05 | 1.3 | NNW | 9/10/2018 | 15:00 | 2.2 | NNW |
| 9/10/2018 | 01:15 | 1.8 | NNW | 9/10/2018 | 08:10 | 2.2 | NNW | 9/10/2018 | 15:05 | 4.5 | W |
| 9/10/2018 | 01:20 | 4 | W | 9/10/2018 | 08:15 | 2.7 | WSW | 9/10/2018 | 15:10 | 4.5 | WNW |
| 9/10/2018 | 01:25 | 1.3 | NNW | 9/10/2018 | 08:20 | 3.6 | WNW | 9/10/2018 | 15:15 | 3.1 | WSW |
| 9/10/2018 | 01:30 | 2.2 | NW | 9/10/2018 | 08:25 | 2.2 | NNW | 9/10/2018 | 15:20 | 1.3 | N |
| 9/10/2018 | 01:35 | 3.6 | W | 9/10/2018 | 08:30 | 1.3 | SSW | 9/10/2018 | 15:25 | 1.8 | WNW |
| 9/10/2018 | 01:40 | 4.5 | WNW | 9/10/2018 | 08:35 | 1.3 | NW | 9/10/2018 | 15:30 | 2.2 | NNW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/10/2018 | 15:35 | 1.8 | NW | 9/10/2018 | 22:30 | 2.2 | NNW | 10/10/2018 | 05:25 | 1.8 | E |
| 9/10/2018 | 15:40 | 2.2 | NNW | 9/10/2018 | 22:35 | 1.8 | NNW | 10/10/2018 | 05:30 | 0.9 | ENE |
| 9/10/2018 | 15:45 | 1.8 | NNW | 9/10/2018 | 22:40 | 2.2 | NNW | 10/10/2018 | 05:35 | 1.8 | E |
| 9/10/2018 | 15:50 | 2.2 | NNW | 9/10/2018 | 22:45 | 4.9 | WNW | 10/10/2018 | 05:40 | 3.1 | E |
| 9/10/2018 | 15:55 | 2.2 | NNW | 9/10/2018 | 22:50 | 1.8 | NNW | 10/10/2018 | 05:45 | 2.7 | ENE |
| 9/10/2018 | 16:00 | 1.8 | NW | 9/10/2018 | 22:55 | 2.7 | SW | 10/10/2018 | 05:50 | 0.9 | ENE |
| 9/10/2018 | 16:05 | 1.8 | NNW | 9/10/2018 | 23:00 | 2.2 | NNW | 10/10/2018 | 05:55 | 4.5 | ENE |
| 9/10/2018 | 16:10 | 5.8 | WNW | 9/10/2018 | 23:05 | 1.3 | NW | 10/10/2018 | 06:00 | 1.8 | WNW |
| 9/10/2018 | 16:15 | 1.3 | NW | 9/10/2018 | 23:10 | 3.1 | W | 10/10/2018 | 06:05 | 4.5 | ENE |
| 9/10/2018 | 16:20 | 4.5 | W | 9/10/2018 | 23:15 | 2.2 | NNW | 10/10/2018 | 06:10 | 2.7 | NE |
| 9/10/2018 | 16:25 | 2.2 | NNW | 9/10/2018 | 23:20 | 1.8 | NW | 10/10/2018 | 06:15 | 4.5 | E |
| 9/10/2018 | 16:30 | 2.2 | NNW | 9/10/2018 | 23:25 | 1.8 | NW | 10/10/2018 | 06:20 | 0.9 | ENE |
| 9/10/2018 | 16:35 | 1.8 | NNW | 9/10/2018 | 23:30 | 5.4 | W | 10/10/2018 | 06:25 | 1.8 | NE |
| 9/10/2018 | 16:40 | 2.2 | NNW | 9/10/2018 | 23:35 | 4.5 | W | 10/10/2018 | 06:30 | 3.1 | E |
| 9/10/2018 | 16:45 | 6.3 | WNW | 9/10/2018 | 23:40 | 1.3 | NNW | 10/10/2018 | 06:35 | 0.9 | ENE |
| 9/10/2018 | 16:50 | 5.4 | WNW | 9/10/2018 | 23:45 | 2.2 | NNW | 10/10/2018 | 06:40 | 2.2 | W |
| 9/10/2018 | 16:55 | 3.1 | W | 9/10/2018 | 23:50 | 4.9 | W | 10/10/2018 | 06:45 | 4.9 | E |
| 9/10/2018 | 17:00 | 1.8 | WNW | 9/10/2018 | 23:55 | 1.8 | SW | 10/10/2018 | 06:50 | 2.7 | W |
| 9/10/2018 | 17:05 | 1.3 | NW | 10/10/2018 | 00:00 | 1.8 | NW | 10/10/2018 | 06:55 | 2.7 | NE |
| 9/10/2018 | 17:10 | 4.9 | W | 10/10/2018 | 00:05 | 1.3 | NNE | 10/10/2018 | 07:00 | 0.9 | ENE |
| 9/10/2018 | 17:15 | 4.9 | WNW | 10/10/2018 | 00:10 | 2.7 | ENE | 10/10/2018 | 07:05 | 4.9 | E |
| 9/10/2018 | 17:20 | 4.5 | W | 10/10/2018 | 00:15 | 4.5 | ENE | 10/10/2018 | 07:10 | 0.9 | ENE |
| 9/10/2018 | 17:25 | 2.7 | W | 10/10/2018 | 00:20 | 5.4 | E | 10/10/2018 | 07:15 | 2.7 | WSW |
| 9/10/2018 | 17:30 | 1.8 | NNW | 10/10/2018 | 00:25 | 3.1 | NE | 10/10/2018 | 07:20 | 4.5 | E |
| 9/10/2018 | 17:35 | 1.8 | NNW | 10/10/2018 | 00:30 | 5.8 | E | 10/10/2018 | 07:25 | 3.1 | NE |
| 9/10/2018 | 17:40 | 3.1 | WNW | 10/10/2018 | 00:35 | 0.9 | ENE | 10/10/2018 | 07:30 | 6.3 | E |
| 9/10/2018 | 17:45 | 4.5 | W | 10/10/2018 | 00:40 | 1.3 | W | 10/10/2018 | 07:35 | 2.2 | ENE |
| 9/10/2018 | 17:50 | 0.4 | WSW | 10/10/2018 | 00:45 | 3.1 | E | 10/10/2018 | 07:40 | 2.7 | NE |
| 9/10/2018 | 17:55 | 1.3 | NW | 10/10/2018 | 00:50 | 0.4 | NE | 10/10/2018 | 07:45 | 1.3 | NE |
| 9/10/2018 | 18:00 | 2.2 | NNW | 10/10/2018 | 00:55 | 6.3 | ENE | 10/10/2018 | 07:50 | 4.5 | ENE |
| 9/10/2018 | 18:05 | 1.8 | NW | 10/10/2018 | 01:00 | 4.5 | E | 10/10/2018 | 07:55 | 4 | E |
| 9/10/2018 | 18:10 | 1.8 | NW | 10/10/2018 | 01:05 | 0.4 | N | 10/10/2018 | 08:00 | 2.2 | ENE |
| 9/10/2018 | 18:15 | 1.8 | NW | 10/10/2018 | 01:10 | 1.8 | NW | 10/10/2018 | 08:05 | 1.3 | E |
| 9/10/2018 | 18:20 | 1.8 | NW | 10/10/2018 | 01:15 | 1.8 | ENE | 10/10/2018 | 08:10 | 2.7 | E |
| 9/10/2018 | 18:25 | 2.2 | NW | 10/10/2018 | 01:20 | 4 | ENE | 10/10/2018 | 08:15 | 3.6 | E |
| 9/10/2018 | 18:30 | 1.8 | NNW | 10/10/2018 | 01:25 | 4.5 | E | 10/10/2018 | 08:20 | 0.9 | ENE |
| 9/10/2018 | 18:35 | 2.2 | SW | 10/10/2018 | 01:30 | 5.8 | ENE | 10/10/2018 | 08:25 | 1.3 | ENE |
| 9/10/2018 | 18:40 | 6.3 | WNW | 10/10/2018 | 01:35 | 0.9 | ENE | 10/10/2018 | 08:30 | 4.5 | E |
| 9/10/2018 | 18:45 | 4.9 | WNW | 10/10/2018 | 01:40 | 4.5 | E | 10/10/2018 | 08:35 | 2.2 | E |
| 9/10/2018 | 18:50 | 1.8 | NNW | 10/10/2018 | 01:45 | 4.5 | ENE | 10/10/2018 | 08:40 | 2.7 | NE |
| 9/10/2018 | 18:55 | 1.8 | NNW | 10/10/2018 | 01:50 | 3.6 | ENE | 10/10/2018 | 08:45 | 4.9 | E |
| 9/10/2018 | 19:00 | 4 | WNW | 10/10/2018 | 01:55 | 1.3 | ENE | 10/10/2018 | 08:50 | 2.2 | NE |
| 9/10/2018 | 19:05 | 4 | W | 10/10/2018 | 02:00 | 2.2 | ENE | 10/10/2018 | 08:55 | 2.2 | ENE |
| 9/10/2018 | 19:10 | 1.3 | NNW | 10/10/2018 | 02:05 | 0.9 | ENE | 10/10/2018 | 09:00 | 4.9 | E |
| 9/10/2018 | 19:15 | 1.8 | NNW | 10/10/2018 | 02:10 | 2.7 | ENE | 10/10/2018 | 09:05 | 2.2 | ENE |
| 9/10/2018 | 19:20 | 1.8 | NW | 10/10/2018 | 02:15 | 2.7 | NE | 10/10/2018 | 09:10 | 0.4 | NE |
| 9/10/2018 | 19:25 | 5.4 | WNW | 10/10/2018 | 02:20 | 1.8 | NNE | 10/10/2018 | 09:15 | 2.7 | ENE |
| 9/10/2018 | 19:30 | 1.8 | NNW | 10/10/2018 | 02:25 | 1.8 | SE | 10/10/2018 | 09:20 | 1.8 | ENE |
| 9/10/2018 | 19:35 | 3.6 | WNW | 10/10/2018 | 02:30 | 2.7 | NE | 10/10/2018 | 09:25 | 2.2 | ENE |
| 9/10/2018 | 19:40 | 2.2 | NW | 10/10/2018 | 02:35 | 1.8 | NE | 10/10/2018 | 09:30 | 5.4 | E |
| 9/10/2018 | 19:45 | 1.3 | N | 10/10/2018 | 02:40 | 4.5 | ENE | 10/10/2018 | 09:35 | 6.3 | E |
| 9/10/2018 | 19:50 | 1.3 | NW | 10/10/2018 | 02:45 | 2.7 | E | 10/10/2018 | 09:40 | 4 | E |
| 9/10/2018 | 19:55 | 2.2 | NNW | 10/10/2018 | 02:50 | 4.9 | E | 10/10/2018 | 09:45 | 1.8 | WNW |
| 9/10/2018 | 20:00 | 2.2 | NW | 10/10/2018 | 02:55 | 1.8 | E | 10/10/2018 | 09:50 | 2.7 | ENE |
| 9/10/2018 | 20:05 | 1.3 | NW | 10/10/2018 | 03:00 | 4.5 | ENE | 10/10/2018 | 09:55 | 2.2 | E |
| 9/10/2018 | 20:10 | 4.9 | WNW | 10/10/2018 | 03:05 | 0.9 | NE | 10/10/2018 | 10:00 | 2.2 | ENE |
| 9/10/2018 | 20:15 | 2.2 | NNW | 10/10/2018 | 03:10 | 0.9 | NNE | 10/10/2018 | 10:05 | 4 | E |
| 9/10/2018 | 20:20 | 5.4 | WNW | 10/10/2018 | 03:15 | 3.1 | E | 10/10/2018 | 10:10 | 4.5 | ENE |
| 9/10/2018 | 20:25 | 1.8 | NW | 10/10/2018 | 03:20 | 5.4 | E | 10/10/2018 | 10:15 | 0.9 | ENE |
| 9/10/2018 | 20:30 | 4.9 | W | 10/10/2018 | 03:25 | 0.4 | NE | 10/10/2018 | 10:20 | 3.1 | E |
| 9/10/2018 | 20:35 | 2.2 | NW | 10/10/2018 | 03:30 | 0.9 | ENE | 10/10/2018 | 10:25 | 1.8 | E |
| 9/10/2018 | 20:40 | 2.2 | NNW | 10/10/2018 | 03:35 | 0.4 | NE | 10/10/2018 | 10:30 | 3.6 | NE |
| 9/10/2018 | 20:45 | 1.8 | NW | 10/10/2018 | 03:40 | 0.4 | N | 10/10/2018 | 10:35 | 0.9 | ENE |
| 9/10/2018 | 20:50 | 0.9 | NW | 10/10/2018 | 03:45 | 4.9 | ENE | 10/10/2018 | 10:40 | 1.3 | ENE |
| 9/10/2018 | 20:55 | 0.9 | NNW | 10/10/2018 | 03:50 | 1.3 | WSW | 10/10/2018 | 10:45 | 1.8 | NE |
| 9/10/2018 | 21:00 | 1.8 | NNW | 10/10/2018 | 03:55 | 2.2 | ENE | 10/10/2018 | 10:50 | 4.5 | ENE |
| 9/10/2018 | 21:05 | 5.4 | WNW | 10/10/2018 | 04:00 | 1.3 | ENE | 10/10/2018 | 10:55 | 3.1 | E |
| 9/10/2018 | 21:10 | 1.8 | NNW | 10/10/2018 | 04:05 | 3.6 | E | 10/10/2018 | 11:00 | 1.8 | NE |
| 9/10/2018 | 21:15 | 1.3 | NNW | 10/10/2018 | 04:10 | 2.7 | ESE | 10/10/2018 | 11:05 | 2.2 | ENE |
| 9/10/2018 | 21:20 | 1.8 | NNW | 10/10/2018 | 04:15 | 1.8 | WSW | 10/10/2018 | 11:10 | 2.7 | E |
| 9/10/2018 | 21:25 | 2.2 | NW | 10/10/2018 | 04:20 | 0.9 | ENE | 10/10/2018 | 11:15 | 1.3 | NNE |
| 9/10/2018 | 21:30 | 1.3 | NW | 10/10/2018 | 04:25 | 1.8 | E | 10/10/2018 | 11:20 | 1.3 | E |
| 9/10/2018 | 21:35 | 4.9 | WNW | 10/10/2018 | 04:30 | 1.3 | NNE | 10/10/2018 | 11:25 | 4.9 | E |
| 9/10/2018 | 21:40 | 2.2 | NNW | 10/10/2018 | 04:35 | 1.3 | WNW | 10/10/2018 | 11:30 | 2.7 | ENE |
| 9/10/2018 | 21:45 | 2.2 | NNW | 10/10/2018 | 04:40 | 5.8 | E | 10/10/2018 | 11:35 | 1.3 | NNE |
| 9/10/2018 | 21:50 | 3.6 | WNW | 10/10/2018 | 04:45 | 0.9 | ENE | 10/10/2018 | 11:40 | 1.8 | WSW |
| 9/10/2018 | 21:55 | 1.8 | NW | 10/10/2018 | 04:50 | 6.3 | E | 10/10/2018 | 11:45 | 0.9 | NNE |
| 9/10/2018 | 22:00 | 2.2 | NNW | 10/10/2018 | 04:55 | 1.8 | E | 10/10/2018 | 11:50 | 2.2 | E |
| 9/10/2018 | 22:05 | 4.5 | W | 10/10/2018 | 05:00 | 2.2 | ENE | 10/10/2018 | 11:55 | 1.3 | E |
| 9/10/2018 | 22:10 | 2.2 | NNW | 10/10/2018 | 05:05 | 1.8 | E | 10/10/2018 | 12:00 | 2.7 | E |
| 9/10/2018 | 22:15 | 6.7 | WNW | 10/10/2018 | 05:10 | 0.9 | ENE | 10/10/2018 | 12:05 | 2.2 | ENE |
| 9/10/2018 | 22:20 | 2.2 | NW | 10/10/2018 | 05:15 | 4.5 | E | 10/10/2018 | 12:10 | 0.9 | ENE |
| 9/10/2018 | 22:25 | 2.2 | WSW | 10/10/2018 | 05:20 | 3.6 | E | 10/10/2018 | 12:15 | 0.4 | N |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/10/2018 | 12:20 | 2.2 | E | 10/10/2018 | 19:15 | 3.1 | E | 11/10/2018 | 02:10 | 3.1 | WNW |
| 10/10/2018 | 12:25 | 4 | E | 10/10/2018 | 19:20 | 2.7 | E | 11/10/2018 | 02:15 | 3.1 | W |
| 10/10/2018 | 12:30 | 5.8 | E | 10/10/2018 | 19:25 | 4 | E | 11/10/2018 | 02:20 | 0.9 | SSW |
| 10/10/2018 | 12:35 | 0.9 | WSW | 10/10/2018 | 19:30 | 1.3 | E | 11/10/2018 | 02:25 | 0.9 | E |
| 10/10/2018 | 12:40 | 1.8 | NE | 10/10/2018 | 19:35 | 1.8 | NE | 11/10/2018 | 02:30 | 2.2 | NNE |
| 10/10/2018 | 12:45 | 2.7 | ENE | 10/10/2018 | 19:40 | 1.3 | E | 11/10/2018 | 02:35 | 0.4 | E |
| 10/10/2018 | 12:50 | 1.8 | E | 10/10/2018 | 19:45 | 4 | E | 11/10/2018 | 02:40 | 3.1 | W |
| 10/10/2018 | 12:55 | 0.9 | ENE | 10/10/2018 | 19:50 | 3.6 | ENE | 11/10/2018 | 02:45 | 2.7 | WNW |
| 10/10/2018 | 13:00 | 0.4 | N | 10/10/2018 | 19:55 | 2.7 | E | 11/10/2018 | 02:50 | 2.2 | WNW |
| 10/10/2018 | 13:05 | 0.4 | NE | 10/10/2018 | 20:00 | 1.8 | NE | 11/10/2018 | 02:55 | 0.9 | N |
| 10/10/2018 | 13:10 | 2.2 | ENE | 10/10/2018 | 20:05 | 5.4 | E | 11/10/2018 | 03:00 | 1.3 | E |
| 10/10/2018 | 13:15 | 2.7 | E | 10/10/2018 | 20:10 | 1.3 | WNW | 11/10/2018 | 03:05 | 2.7 | WNW |
| 10/10/2018 | 13:20 | 0.9 | ENE | 10/10/2018 | 20:15 | 1.3 | NNE | 11/10/2018 | 03:10 | 1.3 | SSW |
| 10/10/2018 | 13:25 | 2.7 | NE | 10/10/2018 | 20:20 | 5.4 | ENE | 11/10/2018 | 03:15 | 0.9 | E |
| 10/10/2018 | 13:30 | 1.8 | ENE | 10/10/2018 | 20:25 | 4.9 | E | 11/10/2018 | 03:20 | 2.2 | NNE |
| 10/10/2018 | 13:35 | 1.8 | WSW | 10/10/2018 | 20:30 | 2.2 | ENE | 11/10/2018 | 03:25 | 2.2 | WNW |
| 10/10/2018 | 13:40 | 4.9 | E | 10/10/2018 | 20:35 | 1.8 | E | 11/10/2018 | 03:30 | 4 | W |
| 10/10/2018 | 13:45 | 1.8 | E | 10/10/2018 | 20:40 | 6.7 | E | 11/10/2018 | 03:35 | 2.7 | W |
| 10/10/2018 | 13:50 | 4.5 | E | 10/10/2018 | 20:45 | 0.9 | ENE | 11/10/2018 | 03:40 | 1.3 | N |
| 10/10/2018 | 13:55 | 2.2 | E | 10/10/2018 | 20:50 | 5.4 | E | 11/10/2018 | 03:45 | 3.6 | W |
| 10/10/2018 | 14:00 | 6.3 | ENE | 10/10/2018 | 20:55 | 1.3 | ENE | 11/10/2018 | 03:50 | 0.9 | NW |
| 10/10/2018 | 14:05 | 1.8 | WSW | 10/10/2018 | 21:00 | 1.3 | E | 11/10/2018 | 03:55 | 3.1 | WNW |
| 10/10/2018 | 14:10 | 1.8 | NE | 10/10/2018 | 21:05 | 5.4 | E | 11/10/2018 | 04:00 | 0.4 | SSW |
| 10/10/2018 | 14:15 | 6.3 | E | 10/10/2018 | 21:10 | 4.9 | ENE | 11/10/2018 | 04:05 | 0.9 | E |
| 10/10/2018 | 14:20 | 5.8 | E | 10/10/2018 | 21:15 | 1.8 | NE | 11/10/2018 | 04:10 | 0.9 | SSW |
| 10/10/2018 | 14:25 | 3.6 | NE | 10/10/2018 | 21:20 | 1.3 | E | 11/10/2018 | 04:15 | 1.8 | WNW |
| 10/10/2018 | 14:30 | 3.1 | E | 10/10/2018 | 21:25 | 1.8 | E | 11/10/2018 | 04:20 | 0.4 | W |
| 10/10/2018 | 14:35 | 4.5 | E | 10/10/2018 | 21:30 | 1.3 | E | 11/10/2018 | 04:25 | 0.4 | SSW |
| 10/10/2018 | 14:40 | 0.4 | S | 10/10/2018 | 21:35 | 0.9 | ENE | 11/10/2018 | 04:30 | 1.3 | SSW |
| 10/10/2018 | 14:45 | 2.2 | WSW | 10/10/2018 | 21:40 | 0.4 | WSW | 11/10/2018 | 04:35 | 0.4 | SSW |
| 10/10/2018 | 14:50 | 0.4 | NE | 10/10/2018 | 21:45 | 0.4 | NE | 11/10/2018 | 04:40 | 0.9 | E |
| 10/10/2018 | 14:55 | 2.2 | ENE | 10/10/2018 | 21:50 | 0.9 | WNW | 11/10/2018 | 04:45 | 0.9 | E |
| 10/10/2018 | 15:00 | 2.2 | ENE | 10/10/2018 | 21:55 | 2.7 | NE | 11/10/2018 | 04:50 | 2.7 | W |
| 10/10/2018 | 15:05 | 2.2 | E | 10/10/2018 | 22:00 | 4.9 | E | 11/10/2018 | 04:55 | 0.9 | SW |
| 10/10/2018 | 15:10 | 4.9 | E | 10/10/2018 | 22:05 | 0.9 | ENE | 11/10/2018 | 05:00 | 0.4 | SSW |
| 10/10/2018 | 15:15 | 1.8 | ENE | 10/10/2018 | 22:10 | 4 | E | 11/10/2018 | 05:05 | 1.8 | N |
| 10/10/2018 | 15:20 | 2.2 | ENE | 10/10/2018 | 22:15 | 1.8 | E | 11/10/2018 | 05:10 | 0.4 | SSW |
| 10/10/2018 | 15:25 | 1.3 | NNE | 10/10/2018 | 22:20 | 1.8 | NE | 11/10/2018 | 05:15 | 1.3 | N |
| 10/10/2018 | 15:30 | 0.4 | N | 10/10/2018 | 22:25 | 4.5 | E | 11/10/2018 | 05:20 | 0.4 | SSW |
| 10/10/2018 | 15:35 | 3.6 | E | 10/10/2018 | 22:30 | 2.2 | ENE | 11/10/2018 | 05:25 | 0.9 | NE |
| 10/10/2018 | 15:40 | 2.2 | ENE | 10/10/2018 | 22:35 | 5.4 | E | 11/10/2018 | 05:30 | 1.8 | NNW |
| 10/10/2018 | 15:45 | 0.9 | ENE | 10/10/2018 | 22:40 | 0.9 | E | 11/10/2018 | 05:35 | 0.4 | NE |
| 10/10/2018 | 15:50 | 1.3 | NNE | 10/10/2018 | 22:45 | 0.9 | ENE | 11/10/2018 | 05:40 | 1.8 | N |
| 10/10/2018 | 15:55 | 0.9 | ENE | 10/10/2018 | 22:50 | 1.8 | E | 11/10/2018 | 05:45 | 0.4 | SSW |
| 10/10/2018 | 16:00 | 4.5 | E | 10/10/2018 | 22:55 | 2.7 | NE | 11/10/2018 | 05:50 | 2.7 | W |
| 10/10/2018 | 16:05 | 1.3 | NNE | 10/10/2018 | 23:00 | 2.7 | E | 11/10/2018 | 05:55 | 1.8 | WNW |
| 10/10/2018 | 16:10 | 4.9 | ENE | 10/10/2018 | 23:05 | 1.8 | E | 11/10/2018 | 06:00 | 2.2 | SSW |
| 10/10/2018 | 16:15 | 5.4 | E | 10/10/2018 | 23:10 | 2.2 | ENE | 11/10/2018 | 06:05 | 0.4 | SSW |
| 10/10/2018 | 16:20 | 2.7 | NE | 10/10/2018 | 23:15 | 2.2 | E | 11/10/2018 | 06:10 | 2.2 | N |
| 10/10/2018 | 16:25 | 2.2 | W | 10/10/2018 | 23:20 | 3.1 | E | 11/10/2018 | 06:15 | 0.4 | SSW |
| 10/10/2018 | 16:30 | 2.2 | E | 10/10/2018 | 23:25 | 1.3 | WNW | 11/10/2018 | 06:20 | 0.4 | SSW |
| 10/10/2018 | 16:35 | 4 | E | 10/10/2018 | 23:30 | 2.2 | ENE | 11/10/2018 | 06:25 | 3.1 | W |
| 10/10/2018 | 16:40 | 1.3 | WNW | 10/10/2018 | 23:35 | 5.4 | E | 11/10/2018 | 06:30 | 0.9 | SW |
| 10/10/2018 | 16:45 | 5.4 | E | 10/10/2018 | 23:40 | 2.2 | E | 11/10/2018 | 06:35 | 2.2 | W |
| 10/10/2018 | 16:50 | 4.9 | E | 10/10/2018 | 23:45 | 4 | E | 11/10/2018 | 06:40 | 2.7 | WNW |
| 10/10/2018 | 16:55 | 4 | E | 10/10/2018 | 23:50 | 2.2 | W | 11/10/2018 | 06:45 | 0.4 | SSW |
| 10/10/2018 | 17:00 | 0.9 | ENE | 10/10/2018 | 23:55 | 2.7 | E | 11/10/2018 | 06:50 | 1.8 | SW |
| 10/10/2018 | 17:05 | 5.8 | E | 11/10/2018 | 00:00 | 5.8 | E | 11/10/2018 | 06:55 | 0.4 | SSW |
| 10/10/2018 | 17:10 | 2.2 | ENE | 11/10/2018 | 00:05 | 2.7 | NNE | 11/10/2018 | 07:00 | 1.3 | SSW |
| 10/10/2018 | 17:15 | 6.3 | E | 11/10/2018 | 00:10 | 0.4 | SSW | 11/10/2018 | 07:05 | 1.3 | NE |
| 10/10/2018 | 17:20 | 5.4 | E | 11/10/2018 | 00:15 | 0.4 | E | 11/10/2018 | 07:10 | 1.8 | W |
| 10/10/2018 | 17:25 | 5.8 | E | 11/10/2018 | 00:20 | 0.9 | SSW | 11/10/2018 | 07:15 | 0.9 | SSW |
| 10/10/2018 | 17:30 | 3.6 | E | 11/10/2018 | 00:25 | 1.8 | WNW | 11/10/2018 | 07:20 | 3.1 | W |
| 10/10/2018 | 17:35 | 1.3 | SSW | 11/10/2018 | 00:30 | 0.9 | SSW | 11/10/2018 | 07:25 | 2.7 | W |
| 10/10/2018 | 17:40 | 4 | ESE | 11/10/2018 | 00:35 | 2.2 | W | 11/10/2018 | 07:30 | 0.4 | SSW |
| 10/10/2018 | 17:45 | 0.9 | WSW | 11/10/2018 | 00:40 | 2.7 | W | 11/10/2018 | 07:35 | 3.1 | W |
| 10/10/2018 | 17:50 | 4 | E | 11/10/2018 | 00:45 | 2.2 | WNW | 11/10/2018 | 07:40 | 1.8 | N |
| 10/10/2018 | 17:55 | 3.6 | E | 11/10/2018 | 00:50 | 2.2 | W | 11/10/2018 | 07:45 | 2.2 | W |
| 10/10/2018 | 18:00 | 5.4 | E | 11/10/2018 | 00:55 | 3.1 | W | 11/10/2018 | 07:50 | 2.7 | W |
| 10/10/2018 | 18:05 | 1.3 | E | 11/10/2018 | 01:00 | 3.1 | WNW | 11/10/2018 | 07:55 | 3.1 | WSW |
| 10/10/2018 | 18:10 | 1.3 | NNE | 11/10/2018 | 01:05 | 1.3 | ENE | 11/10/2018 | 08:00 | 2.2 | W |
| 10/10/2018 | 18:15 | 4.5 | ENE | 11/10/2018 | 01:10 | 2.7 | W | 11/10/2018 | 08:05 | 2.2 | WNW |
| 10/10/2018 | 18:20 | 3.1 | E | 11/10/2018 | 01:15 | 1.3 | SW | 11/10/2018 | 08:10 | 2.2 | NNE |
| 10/10/2018 | 18:25 | 2.2 | ENE | 11/10/2018 | 01:20 | 2.2 | SW | 11/10/2018 | 08:15 | 2.2 | W |
| 10/10/2018 | 18:30 | 0.9 | ENE | 11/10/2018 | 01:25 | 1.8 | N | 11/10/2018 | 08:20 | 2.2 | SSW |
| 10/10/2018 | 18:35 | 3.1 | E | 11/10/2018 | 01:30 | 1.3 | NNW | 11/10/2018 | 08:25 | 1.3 | E |
| 10/10/2018 | 18:40 | 2.2 | ENE | 11/10/2018 | 01:35 | 2.2 | NNE | 11/10/2018 | 08:30 | 0.4 | SSW |
| 10/10/2018 | 18:45 | 0.9 | ENE | 11/10/2018 | 01:40 | 1.3 | SSW | 11/10/2018 | 08:35 | 2.2 | W |
| 10/10/2018 | 18:50 | 0.9 | E | 11/10/2018 | 01:45 | 0.9 | SSW | 11/10/2018 | 08:40 | 0.9 | SSW |
| 10/10/2018 | 18:55 | 4 | ENE | 11/10/2018 | 01:50 | 1.3 | SW | 11/10/2018 | 08:45 | 2.7 | WSW |
| 10/10/2018 | 19:00 | 0.4 | NE | 11/10/2018 | 01:55 | 1.8 | SW | 11/10/2018 | 08:50 | 1.3 | SW |
| 10/10/2018 | 19:05 | 1.3 | E | 11/10/2018 | 02:00 | 1.3 | E | 11/10/2018 | 08:55 | 2.2 | SE |
| 10/10/2018 | 19:10 | 3.6 | ENE | 11/10/2018 | 02:05 | 3.6 | WNW | 11/10/2018 | 09:00 | 1.3 | E |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/10/2018 | 09:05 | 0.4 | E | 11/10/2018 | 16:00 | 1.3 | NNW | 11/10/2018 | 22:55 | 0.9 | SSW |
| 11/10/2018 | 09:10 | 0.9 | SSW | 11/10/2018 | 16:05 | 2.2 | WNW | 11/10/2018 | 23:00 | 3.1 | W |
| 11/10/2018 | 09:15 | 1.3 | E | 11/10/2018 | 16:10 | 1.8 | NE | 11/10/2018 | 23:05 | 2.2 | NE |
| 11/10/2018 | 09:20 | 2.7 | WSW | 11/10/2018 | 16:15 | 2.2 | W | 11/10/2018 | 23:10 | 1.3 | SSW |
| 11/10/2018 | 09:25 | 2.2 | NNE | 11/10/2018 | 16:20 | 4 | W | 11/10/2018 | 23:15 | 0.9 | N |
| 11/10/2018 | 09:30 | 3.1 | W | 11/10/2018 | 16:25 | 0.4 | SSW | 11/10/2018 | 23:20 | 0.9 | E |
| 11/10/2018 | 09:35 | 1.3 | WNW | 11/10/2018 | 16:30 | 3.1 | W | 11/10/2018 | 23:25 | 0.9 | SSW |
| 11/10/2018 | 09:40 | 3.1 | W | 11/10/2018 | 16:35 | 0.4 | S | 11/10/2018 | 23:30 | 0.4 | SSW |
| 11/10/2018 | 09:45 | 0.9 | ENE | 11/10/2018 | 16:40 | 1.3 | E | 11/10/2018 | 23:35 | 1.8 | SW |
| 11/10/2018 | 09:50 | 1.3 | E | 11/10/2018 | 16:45 | 1.3 | E | 11/10/2018 | 23:40 | 1.3 | E |
| 11/10/2018 | 09:55 | 1.3 | SSW | 11/10/2018 | 16:50 | 3.1 | W | 11/10/2018 | 23:45 | 0.9 | WSW |
| 11/10/2018 | 10:00 | 1.3 | SSW | 11/10/2018 | 16:55 | 3.6 | WNW | 11/10/2018 | 23:50 | 0.9 | E |
| 11/10/2018 | 10:05 | 0.4 | NE | 11/10/2018 | 17:00 | 0.9 | NE | 11/10/2018 | 23:55 | 2.7 | W |
| 11/10/2018 | 10:10 | 0.4 | E | 11/10/2018 | 17:05 | 0.4 | E | 12/10/2018 | 00:00 | 0.4 | E |
| 11/10/2018 | 10:15 | 0.9 | SSW | 11/10/2018 | 17:10 | 0.9 | NE | 12/10/2018 | 00:05 | 0.4 | NW |
| 11/10/2018 | 10:20 | 0.4 | SSW | 11/10/2018 | 17:15 | 0.4 | SSW | 12/10/2018 | 00:10 | 0.4 | NNE |
| 11/10/2018 | 10:25 | 1.3 | E | 11/10/2018 | 17:20 | 1.3 | SSW | 12/10/2018 | 00:15 | 0.4 | ENE |
| 11/10/2018 | 10:30 | 0.9 | N | 11/10/2018 | 17:25 | 0.9 | SSW | 12/10/2018 | 00:20 | 2.7 | W |
| 11/10/2018 | 10:35 | 1.3 | W | 11/10/2018 | 17:30 | 3.6 | W | 12/10/2018 | 00:25 | 3.1 | WSW |
| 11/10/2018 | 10:40 | 1.3 | SW | 11/10/2018 | 17:35 | 2.2 | W | 12/10/2018 | 00:30 | 0.9 | WSW |
| 11/10/2018 | 10:45 | 1.3 | SSW | 11/10/2018 | 17:40 | 3.6 | WNW | 12/10/2018 | 00:35 | 2.2 | WSW |
| 11/10/2018 | 10:50 | 2.2 | WSW | 11/10/2018 | 17:45 | 0.9 | NE | 12/10/2018 | 00:40 | 2.2 | W |
| 11/10/2018 | 10:55 | 2.7 | WNW | 11/10/2018 | 17:50 | 0.4 | E | 12/10/2018 | 00:45 | 0.9 | NNW |
| 11/10/2018 | 11:00 | 1.8 | WNW | 11/10/2018 | 17:55 | 0.4 | E | 12/10/2018 | 00:50 | 3.1 | WSW |
| 11/10/2018 | 11:05 | 2.2 | WSW | 11/10/2018 | 18:00 | 1.8 | NE | 12/10/2018 | 00:55 | 2.2 | WSW |
| 11/10/2018 | 11:10 | 0.9 | SSW | 11/10/2018 | 18:05 | 1.8 | NW | 12/10/2018 | 01:00 | 0.9 | NNW |
| 11/10/2018 | 11:15 | 0.9 | SSW | 11/10/2018 | 18:10 | 0.4 | SSW | 12/10/2018 | 01:05 | 0.4 | ENE |
| 11/10/2018 | 11:20 | 1.3 | W | 11/10/2018 | 18:15 | 0.9 | E | 12/10/2018 | 01:10 | 1.3 | WSW |
| 11/10/2018 | 11:25 | 1.3 | E | 11/10/2018 | 18:20 | 1.8 | W | 12/10/2018 | 01:15 | 1.3 | NE |
| 11/10/2018 | 11:30 | 1.3 | SSW | 11/10/2018 | 18:25 | 2.7 | W | 12/10/2018 | 01:20 | 1.3 | NNE |
| 11/10/2018 | 11:35 | 0.4 | SSW | 11/10/2018 | 18:30 | 3.1 | WNW | 12/10/2018 | 01:25 | 0.4 | ENE |
| 11/10/2018 | 11:40 | 0.4 | SSW | 11/10/2018 | 18:35 | 1.3 | N | 12/10/2018 | 01:30 | 1.8 | W |
| 11/10/2018 | 11:45 | 0.4 | E | 11/10/2018 | 18:40 | 3.1 | E | 12/10/2018 | 01:35 | 2.7 | WSW |
| 11/10/2018 | 11:50 | 3.1 | W | 11/10/2018 | 18:45 | 0.4 | SSW | 12/10/2018 | 01:40 | 2.2 | WSW |
| 11/10/2018 | 11:55 | 0.9 | SSW | 11/10/2018 | 18:50 | 0.4 | SSW | 12/10/2018 | 01:45 | 0.4 | NNE |
| 11/10/2018 | 12:00 | 0.4 | SSW | 11/10/2018 | 18:55 | 0.4 | E | 12/10/2018 | 01:50 | 0.4 | NNE |
| 11/10/2018 | 12:05 | 2.7 | WNW | 11/10/2018 | 19:00 | 0.9 | NNW | 12/10/2018 | 01:55 | 0.9 | WSW |
| 11/10/2018 | 12:10 | 0.4 | SSW | 11/10/2018 | 19:05 | 1.3 | SSW | 12/10/2018 | 02:00 | 1.3 | SW |
| 11/10/2018 | 12:15 | 0.9 | NNW | 11/10/2018 | 19:10 | 0.9 | E | 12/10/2018 | 02:05 | 2.2 | W |
| 11/10/2018 | 12:20 | 1.3 | SSW | 11/10/2018 | 19:15 | 0.4 | SSW | 12/10/2018 | 02:10 | 0.4 | NNE |
| 11/10/2018 | 12:25 | 0.9 | E | 11/10/2018 | 19:20 | 1.3 | SW | 12/10/2018 | 02:15 | 1.3 | NE |
| 11/10/2018 | 12:30 | 3.1 | W | 11/10/2018 | 19:25 | 1.8 | W | 12/10/2018 | 02:20 | 0.9 | WSW |
| 11/10/2018 | 12:35 | 0.4 | SSW | 11/10/2018 | 19:30 | 1.3 | N | 12/10/2018 | 02:25 | 1.3 | N |
| 11/10/2018 | 12:40 | 0.4 | E | 11/10/2018 | 19:35 | 2.2 | N | 12/10/2018 | 02:30 | 0.9 | SW |
| 11/10/2018 | 12:45 | 0.9 | NE | 11/10/2018 | 19:40 | 0.4 | SSW | 12/10/2018 | 02:35 | 0.9 | SW |
| 11/10/2018 | 12:50 | 2.2 | NE | 11/10/2018 | 19:45 | 2.2 | W | 12/10/2018 | 02:40 | 0.9 | NE |
| 11/10/2018 | 12:55 | 0.4 | NNE | 11/10/2018 | 19:50 | 1.3 | SSW | 12/10/2018 | 02:45 | 0.4 | NNE |
| 11/10/2018 | 13:00 | 1.8 | N | 11/10/2018 | 19:55 | 1.3 | NE | 12/10/2018 | 02:50 | 0.9 | WNW |
| 11/10/2018 | 13:05 | 1.8 | N | 11/10/2018 | 20:00 | 0.4 | SSW | 12/10/2018 | 02:55 | 0.9 | WNW |
| 11/10/2018 | 13:10 | 0.4 | E | 11/10/2018 | 20:05 | 0.4 | W | 12/10/2018 | 03:00 | 0.9 | NE |
| 11/10/2018 | 13:15 | 1.8 | E | 11/10/2018 | 20:10 | 0.4 | SSW | 12/10/2018 | 03:05 | 1.8 | W |
| 11/10/2018 | 13:20 | 0.9 | SSW | 11/10/2018 | 20:15 | 2.2 | W | 12/10/2018 | 03:10 | 0.9 | NE |
| 11/10/2018 | 13:25 | 3.6 | W | 11/10/2018 | 20:20 | 0.4 | SSW | 12/10/2018 | 03:15 | 0.9 | SW |
| 11/10/2018 | 13:30 | 0.9 | N | 11/10/2018 | 20:25 | 0.4 | E | 12/10/2018 | 03:20 | 0.4 | NNE |
| 11/10/2018 | 13:35 | 1.8 | N | 11/10/2018 | 20:30 | 1.8 | SW | 12/10/2018 | 03:25 | 2.2 | WSW |
| 11/10/2018 | 13:40 | 0.4 | SSW | 11/10/2018 | 20:35 | 2.2 | SE | 12/10/2018 | 03:30 | 0.9 | NNE |
| 11/10/2018 | 13:45 | 0.4 | E | 11/10/2018 | 20:40 | 3.1 | W | 12/10/2018 | 03:35 | 2.7 | W |
| 11/10/2018 | 13:50 | 0.4 | SSW | 11/10/2018 | 20:45 | 1.3 | SSW | 12/10/2018 | 03:40 | 1.3 | WNW |
| 11/10/2018 | 13:55 | 0.4 | ENE | 11/10/2018 | 20:50 | 0.9 | SSW | 12/10/2018 | 03:45 | 0.9 | WSW |
| 11/10/2018 | 14:00 | 0.9 | E | 11/10/2018 | 20:55 | 1.3 | N | 12/10/2018 | 03:50 | 1.3 | SW |
| 11/10/2018 | 14:05 | 0.9 | SSW | 11/10/2018 | 21:00 | 1.3 | ENE | 12/10/2018 | 03:55 | 0.9 | NNW |
| 11/10/2018 | 14:10 | 2.7 | W | 11/10/2018 | 21:05 | 1.8 | SW | 12/10/2018 | 04:00 | 0.9 | WSW |
| 11/10/2018 | 14:15 | 0.9 | E | 11/10/2018 | 21:10 | 1.8 | SW | 12/10/2018 | 04:05 | 3.1 | WSW |
| 11/10/2018 | 14:20 | 0.4 | SSW | 11/10/2018 | 21:15 | 1.3 | SW | 12/10/2018 | 04:10 | 0.4 | SSW |
| 11/10/2018 | 14:25 | 0.9 | SSW | 11/10/2018 | 21:20 | 2.7 | W | 12/10/2018 | 04:15 | 1.8 | W |
| 11/10/2018 | 14:30 | 3.1 | W | 11/10/2018 | 21:25 | 2.2 | E | 12/10/2018 | 04:20 | 0.4 | NW |
| 11/10/2018 | 14:35 | 1.8 | NE | 11/10/2018 | 21:30 | 0.9 | E | 12/10/2018 | 04:25 | 0.4 | NNE |
| 11/10/2018 | 14:40 | 2.2 | N | 11/10/2018 | 21:35 | 1.3 | NE | 12/10/2018 | 04:30 | 3.1 | W |
| 11/10/2018 | 14:45 | 0.9 | SSW | 11/10/2018 | 21:40 | 1.3 | NE | 12/10/2018 | 04:35 | 0.9 | WSW |
| 11/10/2018 | 14:50 | 0.4 | SSW | 11/10/2018 | 21:45 | 1.8 | SW | 12/10/2018 | 04:40 | 0.4 | WSW |
| 11/10/2018 | 14:55 | 2.7 | WNW | 11/10/2018 | 21:50 | 0.9 | NW | 12/10/2018 | 04:45 | 0.9 | WSW |
| 11/10/2018 | 15:00 | 2.2 | N | 11/10/2018 | 21:55 | 0.9 | E | 12/10/2018 | 04:50 | 0.4 | WNW |
| 11/10/2018 | 15:05 | 2.2 | W | 11/10/2018 | 22:00 | 1.8 | NNE | 12/10/2018 | 04:55 | 0.9 | NW |
| 11/10/2018 | 15:10 | 0.4 | S | 11/10/2018 | 22:05 | 3.1 | W | 12/10/2018 | 05:00 | 1.3 | W |
| 11/10/2018 | 15:15 | 2.7 | NNE | 11/10/2018 | 22:10 | 1.3 | NE | 12/10/2018 | 05:05 | 0.9 | NNE |
| 11/10/2018 | 15:20 | 0.9 | SSW | 11/10/2018 | 22:15 | 1.3 | SW | 12/10/2018 | 05:10 | 1.3 | N |
| 11/10/2018 | 15:25 | 0.4 | SSW | 11/10/2018 | 22:20 | 2.2 | WNW | 12/10/2018 | 05:15 | 3.1 | SW |
| 11/10/2018 | 15:30 | 0.9 | SSW | 11/10/2018 | 22:25 | 0.9 | ENE | 12/10/2018 | 05:20 | 3.1 | WSW |
| 11/10/2018 | 15:35 | 1.8 | NNW | 11/10/2018 | 22:30 | 0.4 | SSW | 12/10/2018 | 05:25 | 0.9 | WSW |
| 11/10/2018 | 15:40 | 2.7 | WSW | 11/10/2018 | 22:35 | 1.8 | W | 12/10/2018 | 05:30 | 0.4 | NNE |
| 11/10/2018 | 15:45 | 0.9 | SSW | 11/10/2018 | 22:40 | 0.9 | N | 12/10/2018 | 05:35 | 0.4 | NNE |
| 11/10/2018 | 15:50 | 3.6 | WNW | 11/10/2018 | 22:45 | 2.7 | W | 12/10/2018 | 05:40 | 0.9 | WSW |
| 11/10/2018 | 15:55 | 0.9 | SSW | 11/10/2018 | 22:50 | 0.9 | SSW | 12/10/2018 | 05:45 | 1.8 | NE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/10/2018 | 05:50 | 0.4 | NW | 12/10/2018 | 12:45 | 2.2 | WSW | 12/10/2018 | 19:40 | 2.2 | W |
| 12/10/2018 | 05:55 | 2.7 | WSW | 12/10/2018 | 12:50 | 2.7 | W | 12/10/2018 | 19:45 | 0.9 | WSW |
| 12/10/2018 | 06:00 | 0.4 | WSW | 12/10/2018 | 12:55 | 3.1 | NE | 12/10/2018 | 19:50 | 0.9 | NNW |
| 12/10/2018 | 06:05 | 2.7 | WSW | 12/10/2018 | 13:00 | 0.9 | NNE | 12/10/2018 | 19:55 | 0.4 | WSW |
| 12/10/2018 | 06:10 | 1.3 | ENE | 12/10/2018 | 13:05 | 1.3 | N | 12/10/2018 | 20:00 | 2.7 | WSW |
| 12/10/2018 | 06:15 | 2.2 | WSW | 12/10/2018 | 13:10 | 1.3 | N | 12/10/2018 | 20:05 | 0.4 | NNE |
| 12/10/2018 | 06:20 | 0.4 | NNE | 12/10/2018 | 13:15 | 1.3 | SW | 12/10/2018 | 20:10 | 0.9 | WSW |
| 12/10/2018 | 06:25 | 1.3 | ENE | 12/10/2018 | 13:20 | 1.8 | WSW | 12/10/2018 | 20:15 | 0.9 | NE |
| 12/10/2018 | 06:30 | 1.3 | NE | 12/10/2018 | 13:25 | 1.8 | WSW | 12/10/2018 | 20:20 | 3.1 | NE |
| 12/10/2018 | 06:35 | 3.1 | WSW | 12/10/2018 | 13:30 | 0.4 | NNE | 12/10/2018 | 20:25 | 0.9 | NNE |
| 12/10/2018 | 06:40 | 0.9 | WSW | 12/10/2018 | 13:35 | 0.4 | WSW | 12/10/2018 | 20:30 | 2.2 | W |
| 12/10/2018 | 06:45 | 0.9 | WSW | 12/10/2018 | 13:40 | 3.1 | WSW | 12/10/2018 | 20:35 | 0.4 | WSW |
| 12/10/2018 | 06:50 | 0.4 | NW | 12/10/2018 | 13:45 | 1.3 | N | 12/10/2018 | 20:40 | 1.3 | W |
| 12/10/2018 | 06:55 | 0.9 | NE | 12/10/2018 | 13:50 | 0.9 | NE | 12/10/2018 | 20:45 | 0.4 | SW |
| 12/10/2018 | 07:00 | 1.3 | SW | 12/10/2018 | 13:55 | 1.3 | WSW | 12/10/2018 | 20:50 | 0.9 | W |
| 12/10/2018 | 07:05 | 0.4 | SW | 12/10/2018 | 14:00 | 0.9 | WSW | 12/10/2018 | 20:55 | 0.9 | WSW |
| 12/10/2018 | 07:10 | 0.9 | ENE | 12/10/2018 | 14:05 | 0.9 | WSW | 12/10/2018 | 21:00 | 2.7 | W |
| 12/10/2018 | 07:15 | 0.9 | NE | 12/10/2018 | 14:10 | 2.7 | WSW | 12/10/2018 | 21:05 | 0.9 | WSW |
| 12/10/2018 | 07:20 | 2.2 | W | 12/10/2018 | 14:15 | 0.9 | NE | 12/10/2018 | 21:10 | 0.4 | N |
| 12/10/2018 | 07:25 | 1.3 | SW | 12/10/2018 | 14:20 | 0.4 | WSW | 12/10/2018 | 21:15 | 2.2 | SW |
| 12/10/2018 | 07:30 | 0.4 | NNE | 12/10/2018 | 14:25 | 2.2 | W | 12/10/2018 | 21:20 | 2.7 | WSW |
| 12/10/2018 | 07:35 | 0.9 | WSW | 12/10/2018 | 14:30 | 2.7 | WSW | 12/10/2018 | 21:25 | 2.2 | WSW |
| 12/10/2018 | 07:40 | 0.4 | N | 12/10/2018 | 14:35 | 0.4 | WSW | 12/10/2018 | 21:30 | 3.1 | W |
| 12/10/2018 | 07:45 | 0.4 | E | 12/10/2018 | 14:40 | 2.2 | WSW | 12/10/2018 | 21:35 | 3.1 | WSW |
| 12/10/2018 | 07:50 | 0.9 | NE | 12/10/2018 | 14:45 | 0.4 | NW | 12/10/2018 | 21:40 | 0.4 | NW |
| 12/10/2018 | 07:55 | 0.4 | NW | 12/10/2018 | 14:50 | 1.8 | NE | 12/10/2018 | 21:45 | 0.4 | NNE |
| 12/10/2018 | 08:00 | 2.2 | WSW | 12/10/2018 | 14:55 | 0.4 | WSW | 12/10/2018 | 21:50 | 3.1 | NE |
| 12/10/2018 | 08:05 | 3.6 | WSW | 12/10/2018 | 15:00 | 0.4 | ENE | 12/10/2018 | 21:55 | 0.9 | NE |
| 12/10/2018 | 08:10 | 0.9 | WSW | 12/10/2018 | 15:05 | 0.9 | NE | 12/10/2018 | 22:00 | 0.4 | WSW |
| 12/10/2018 | 08:15 | 0.9 | NNW | 12/10/2018 | 15:10 | 1.3 | NNE | 12/10/2018 | 22:05 | 2.7 | W |
| 12/10/2018 | 08:20 | 1.3 | W | 12/10/2018 | 15:15 | 1.3 | W | 12/10/2018 | 22:10 | 0.9 | WSW |
| 12/10/2018 | 08:25 | 0.4 | SW | 12/10/2018 | 15:20 | 1.8 | W | 12/10/2018 | 22:15 | 0.4 | WSW |
| 12/10/2018 | 08:30 | 2.7 | SW | 12/10/2018 | 15:25 | 0.4 | NW | 12/10/2018 | 22:20 | 0.9 | NE |
| 12/10/2018 | 08:35 | 2.7 | NE | 12/10/2018 | 15:30 | 2.2 | W | 12/10/2018 | 22:25 | 0.9 | WNW |
| 12/10/2018 | 08:40 | 1.3 | N | 12/10/2018 | 15:35 | 2.2 | W | 12/10/2018 | 22:30 | 0.9 | WSW |
| 12/10/2018 | 08:45 | 0.4 | WSW | 12/10/2018 | 15:40 | 0.9 | WNW | 12/10/2018 | 22:35 | 1.8 | NE |
| 12/10/2018 | 08:50 | 0.4 | NW | 12/10/2018 | 15:45 | 0.9 | ENE | 12/10/2018 | 22:40 | 1.8 | NE |
| 12/10/2018 | 08:55 | 0.9 | WSW | 12/10/2018 | 15:50 | 1.8 | WSW | 12/10/2018 | 22:45 | 0.4 | NW |
| 12/10/2018 | 09:00 | 2.2 | NE | 12/10/2018 | 15:55 | 1.8 | W | 12/10/2018 | 22:50 | 2.2 | NE |
| 12/10/2018 | 09:05 | 0.4 | NNE | 12/10/2018 | 16:00 | 2.7 | W | 12/10/2018 | 22:55 | 0.9 | WSW |
| 12/10/2018 | 09:10 | 0.9 | NE | 12/10/2018 | 16:05 | 0.4 | NNE | 12/10/2018 | 23:00 | 0.4 | NNE |
| 12/10/2018 | 09:15 | 0.9 | WSW | 12/10/2018 | 16:10 | 3.1 | SW | 12/10/2018 | 23:05 | 0.9 | ENE |
| 12/10/2018 | 09:20 | 1.8 | WNW | 12/10/2018 | 16:15 | 0.9 | WSW | 12/10/2018 | 23:10 | 0.9 | ENE |
| 12/10/2018 | 09:25 | 2.7 | W | 12/10/2018 | 16:20 | 0.4 | NE | 12/10/2018 | 23:15 | 2.2 | NE |
| 12/10/2018 | 09:30 | 0.9 | WSW | 12/10/2018 | 16:25 | 0.9 | NNE | 12/10/2018 | 23:20 | 1.3 | NNE |
| 12/10/2018 | 09:35 | 1.8 | WSW | 12/10/2018 | 16:30 | 2.7 | W | 12/10/2018 | 23:25 | 0.4 | NE |
| 12/10/2018 | 09:40 | 0.9 | NNE | 12/10/2018 | 16:35 | 0.4 | SSW | 12/10/2018 | 23:30 | 1.3 | SW |
| 12/10/2018 | 09:45 | 0.9 | NNE | 12/10/2018 | 16:40 | 0.4 | NNE | 12/10/2018 | 23:35 | 2.7 | WSW |
| 12/10/2018 | 09:50 | 1.8 | W | 12/10/2018 | 16:45 | 1.8 | W | 12/10/2018 | 23:40 | 3.1 | WSW |
| 12/10/2018 | 09:55 | 1.3 | NE | 12/10/2018 | 16:50 | 0.4 | E | 12/10/2018 | 23:45 | 0.4 | NNE |
| 12/10/2018 | 10:00 | 0.4 | NNE | 12/10/2018 | 16:55 | 0.4 | NNE | 12/10/2018 | 23:50 | 1.3 | NW |
| 12/10/2018 | 10:05 | 0.9 | WSW | 12/10/2018 | 17:00 | 0.9 | ENE | 12/10/2018 | 23:55 | 2.2 | W |
| 12/10/2018 | 10:10 | 2.7 | W | 12/10/2018 | 17:05 | 1.8 | W | 13/10/2018 | 00:00 | 0.9 | WSW |
| 12/10/2018 | 10:15 | 0.4 | NNE | 12/10/2018 | 17:10 | 0.4 | NNE | 13/10/2018 | 00:05 | 1.3 | SSW |
| 12/10/2018 | 10:20 | 0.4 | WSW | 12/10/2018 | 17:15 | 2.2 | WSW | 13/10/2018 | 00:10 | 0.9 | SSW |
| 12/10/2018 | 10:25 | 0.9 | NNE | 12/10/2018 | 17:20 | 0.4 | SW | 13/10/2018 | 00:15 | 1.3 | NNW |
| 12/10/2018 | 10:30 | 0.4 | WSW | 12/10/2018 | 17:25 | 3.1 | SW | 13/10/2018 | 00:20 | 4.5 | W |
| 12/10/2018 | 10:35 | 1.3 | N | 12/10/2018 | 17:30 | 1.3 | W | 13/10/2018 | 00:25 | 4.5 | WNW |
| 12/10/2018 | 10:40 | 2.7 | WSW | 12/10/2018 | 17:35 | 2.7 | W | 13/10/2018 | 00:30 | 0.9 | SSW |
| 12/10/2018 | 10:45 | 0.9 | ENE | 12/10/2018 | 17:40 | 1.3 | ENE | 13/10/2018 | 00:35 | 0.9 | SSW |
| 12/10/2018 | 10:50 | 1.8 | NE | 12/10/2018 | 17:45 | 3.1 | WSW | 13/10/2018 | 00:40 | 1.3 | NNW |
| 12/10/2018 | 10:55 | 1.3 | NE | 12/10/2018 | 17:50 | 2.7 | SW | 13/10/2018 | 00:45 | 3.6 | WNW |
| 12/10/2018 | 11:00 | 0.4 | E | 12/10/2018 | 17:55 | 0.4 | ENE | 13/10/2018 | 00:50 | 3.6 | WNW |
| 12/10/2018 | 11:05 | 1.8 | W | 12/10/2018 | 18:00 | 0.4 | WSW | 13/10/2018 | 00:55 | 0.9 | WNW |
| 12/10/2018 | 11:10 | 0.9 | NNE | 12/10/2018 | 18:05 | 2.2 | W | 13/10/2018 | 01:00 | 3.6 | ENE |
| 12/10/2018 | 11:15 | 0.9 | WSW | 12/10/2018 | 18:10 | 0.9 | NNW | 13/10/2018 | 01:05 | 0.9 | S |
| 12/10/2018 | 11:20 | 1.3 | ENE | 12/10/2018 | 18:15 | 1.3 | N | 13/10/2018 | 01:10 | 0.9 | S |
| 12/10/2018 | 11:25 | 1.8 | WSW | 12/10/2018 | 18:20 | 2.2 | NE | 13/10/2018 | 01:15 | 0.4 | NW |
| 12/10/2018 | 11:30 | 2.2 | WSW | 12/10/2018 | 18:25 | 2.7 | W | 13/10/2018 | 01:20 | 1.8 | W |
| 12/10/2018 | 11:35 | 0.9 | WSW | 12/10/2018 | 18:30 | 1.3 | NE | 13/10/2018 | 01:25 | 4 | W |
| 12/10/2018 | 11:40 | 1.3 | NE | 12/10/2018 | 18:35 | 1.3 | N | 13/10/2018 | 01:30 | 0.9 | WSW |
| 12/10/2018 | 11:45 | 1.8 | NE | 12/10/2018 | 18:40 | 1.3 | N | 13/10/2018 | 01:35 | 0.9 | WSW |
| 12/10/2018 | 11:50 | 0.9 | NE | 12/10/2018 | 18:45 | 0.4 | NNE | 13/10/2018 | 01:40 | 0.9 | SE |
| 12/10/2018 | 11:55 | 0.4 | WNW | 12/10/2018 | 18:50 | 0.4 | NNE | 13/10/2018 | 01:45 | 0.9 | WNW |
| 12/10/2018 | 12:00 | 1.3 | W | 12/10/2018 | 18:55 | 0.9 | WSW | 13/10/2018 | 01:50 | 2.2 | SW |
| 12/10/2018 | 12:05 | 0.4 | NNE | 12/10/2018 | 19:00 | 2.2 | W | 13/10/2018 | 01:55 | 1.8 | E |
| 12/10/2018 | 12:10 | 0.4 | NNE | 12/10/2018 | 19:05 | 1.3 | N | 13/10/2018 | 02:00 | 0.9 | N |
| 12/10/2018 | 12:15 | 0.9 | NW | 12/10/2018 | 19:10 | 1.3 | NE | 13/10/2018 | 02:05 | 1.8 | NW |
| 12/10/2018 | 12:20 | 0.4 | WSW | 12/10/2018 | 19:15 | 2.2 | NE | 13/10/2018 | 02:10 | 0.9 | NNW |
| 12/10/2018 | 12:25 | 0.4 | SSW | 12/10/2018 | 19:20 | 2.7 | SW | 13/10/2018 | 02:15 | 1.3 | N |
| 12/10/2018 | 12:30 | 1.8 | NE | 12/10/2018 | 19:25 | 1.3 | N | 13/10/2018 | 02:20 | 4.9 | WNW |
| 12/10/2018 | 12:35 | 0.9 | NNE | 12/10/2018 | 19:30 | 2.7 | WSW | 13/10/2018 | 02:25 | 2.2 | WNW |
| 12/10/2018 | 12:40 | 0.4 | NNE | 12/10/2018 | 19:35 | 0.9 | NE | 13/10/2018 | 02:30 | 0.9 | NNW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13/10/2018 | 02:35 | 4.9 | WNW | 13/10/2018 | 09:30 | 4.5 | WNW | 13/10/2018 | 16:25 | 0.4 | SSW |
| 13/10/2018 | 02:40 | 1.3 | NNW | 13/10/2018 | 09:35 | 1.8 | SW | 13/10/2018 | 16:30 | 0.9 | SSW |
| 13/10/2018 | 02:45 | 0.9 | NW | 13/10/2018 | 09:40 | 0.4 | S | 13/10/2018 | 16:35 | 4.9 | WNW |
| 13/10/2018 | 02:50 | 0.9 | NE | 13/10/2018 | 09:45 | 3.1 | W | 13/10/2018 | 16:40 | 1.8 | NE |
| 13/10/2018 | 02:55 | 1.3 | NE | 13/10/2018 | 09:50 | 1.3 | N | 13/10/2018 | 16:45 | 0.4 | SSW |
| 13/10/2018 | 03:00 | 3.1 | W | 13/10/2018 | 09:55 | 3.1 | W | 13/10/2018 | 16:50 | 2.2 | N |
| 13/10/2018 | 03:05 | 4.5 | ENE | 13/10/2018 | 10:00 | 0.9 | SSW | 13/10/2018 | 16:55 | 1.3 | W |
| 13/10/2018 | 03:10 | 2.7 | W | 13/10/2018 | 10:05 | 0.4 | NW | 13/10/2018 | 17:00 | 1.3 | N |
| 13/10/2018 | 03:15 | 3.1 | W | 13/10/2018 | 10:10 | 0.9 | SW | 13/10/2018 | 17:05 | 2.2 | N |
| 13/10/2018 | 03:20 | 3.6 | WNW | 13/10/2018 | 10:15 | 1.3 | S | 13/10/2018 | 17:10 | 2.7 | NE |
| 13/10/2018 | 03:25 | 2.2 | WNW | 13/10/2018 | 10:20 | 0.9 | NNW | 13/10/2018 | 17:15 | 0.4 | S |
| 13/10/2018 | 03:30 | 0.9 | WNW | 13/10/2018 | 10:25 | 0.9 | S | 13/10/2018 | 17:20 | 0.9 | SSW |
| 13/10/2018 | 03:35 | 0.9 | N | 13/10/2018 | 10:30 | 3.1 | W | 13/10/2018 | 17:25 | 0.4 | SSW |
| 13/10/2018 | 03:40 | 1.3 | WNW | 13/10/2018 | 10:35 | 2.2 | NE | 13/10/2018 | 17:30 | 0.9 | S |
| 13/10/2018 | 03:45 | 1.3 | N | 13/10/2018 | 10:40 | 2.2 | WNW | 13/10/2018 | 17:35 | 5.4 | ENE |
| 13/10/2018 | 03:50 | 0.9 | WSW | 13/10/2018 | 10:45 | 1.8 | N | 13/10/2018 | 17:40 | 2.2 | WNW |
| 13/10/2018 | 03:55 | 0.9 | WSW | 13/10/2018 | 10:50 | 0.4 | SSW | 13/10/2018 | 17:45 | 3.1 | W |
| 13/10/2018 | 04:00 | 3.6 | W | 13/10/2018 | 10:55 | 4.9 | WNW | 13/10/2018 | 17:50 | 3.6 | W |
| 13/10/2018 | 04:05 | 2.2 | NW | 13/10/2018 | 11:00 | 4.9 | WNW | 13/10/2018 | 17:55 | 4.5 | W |
| 13/10/2018 | 04:10 | 2.2 | W | 13/10/2018 | 11:05 | 1.8 | WSW | 13/10/2018 | 18:00 | 2.7 | W |
| 13/10/2018 | 04:15 | 0.4 | NW | 13/10/2018 | 11:10 | 1.3 | S | 13/10/2018 | 18:05 | 4.9 | WNW |
| 13/10/2018 | 04:20 | 0.4 | NNW | 13/10/2018 | 11:15 | 2.2 | W | 13/10/2018 | 18:10 | 4.5 | ENE |
| 13/10/2018 | 04:25 | 4.9 | ENE | 13/10/2018 | 11:20 | 1.3 | NNW | 13/10/2018 | 18:15 | 3.1 | W |
| 13/10/2018 | 04:30 | 0.9 | SSW | 13/10/2018 | 11:25 | 3.6 | E | 13/10/2018 | 18:20 | 2.7 | WNW |
| 13/10/2018 | 04:35 | 0.4 | WSW | 13/10/2018 | 11:30 | 1.3 | NE | 13/10/2018 | 18:25 | 4 | WNW |
| 13/10/2018 | 04:40 | 1.3 | ESE | 13/10/2018 | 11:35 | 0.4 | S | 13/10/2018 | 18:30 | 0.4 | SSW |
| 13/10/2018 | 04:45 | 1.3 | SW | 13/10/2018 | 11:40 | 0.4 | SSW | 13/10/2018 | 18:35 | 1.8 | N |
| 13/10/2018 | 04:50 | 1.3 | S | 13/10/2018 | 11:45 | 0.9 | NNE | 13/10/2018 | 18:40 | 0.9 | S |
| 13/10/2018 | 04:55 | 0.4 | S | 13/10/2018 | 11:50 | 3.1 | W | 13/10/2018 | 18:45 | 0.4 | S |
| 13/10/2018 | 05:00 | 1.3 | NE | 13/10/2018 | 11:55 | 2.2 | ENE | 13/10/2018 | 18:50 | 1.8 | SW |
| 13/10/2018 | 05:05 | 0.9 | ENE | 13/10/2018 | 12:00 | 1.8 | SW | 13/10/2018 | 18:55 | 2.2 | WNW |
| 13/10/2018 | 05:10 | 0.9 | S | 13/10/2018 | 12:05 | 3.6 | E | 13/10/2018 | 19:00 | 4 | W |
| 13/10/2018 | 05:15 | 0.4 | WSW | 13/10/2018 | 12:10 | 4.5 | WNW | 13/10/2018 | 19:05 | 1.3 | NNW |
| 13/10/2018 | 05:20 | 1.3 | N | 13/10/2018 | 12:15 | 3.6 | W | 13/10/2018 | 19:10 | 0.9 | SSW |
| 13/10/2018 | 05:25 | 3.1 | E | 13/10/2018 | 12:20 | 0.9 | ENE | 13/10/2018 | 19:15 | 0.9 | S |
| 13/10/2018 | 05:30 | 2.2 | SSW | 13/10/2018 | 12:25 | 2.2 | NW | 13/10/2018 | 19:20 | 0.4 | NNW |
| 13/10/2018 | 05:35 | 0.9 | SSW | 13/10/2018 | 12:30 | 1.3 | S | 13/10/2018 | 19:25 | 4.5 | WNW |
| 13/10/2018 | 05:40 | 3.6 | W | 13/10/2018 | 12:35 | 1.3 | ENE | 13/10/2018 | 19:30 | 0.9 | N |
| 13/10/2018 | 05:45 | 0.9 | S | 13/10/2018 | 12:40 | 2.7 | N | 13/10/2018 | 19:35 | 0.4 | NNE |
| 13/10/2018 | 05:50 | 4.9 | W | 13/10/2018 | 12:45 | 0.4 | SE | 13/10/2018 | 19:40 | 0.9 | NNE |
| 13/10/2018 | 05:55 | 2.7 | W | 13/10/2018 | 12:50 | 1.8 | NE | 13/10/2018 | 19:45 | 1.3 | N |
| 13/10/2018 | 06:00 | 2.7 | W | 13/10/2018 | 12:55 | 4 | ENE | 13/10/2018 | 19:50 | 2.7 | SSW |
| 13/10/2018 | 06:05 | 1.8 | WNW | 13/10/2018 | 13:00 | 2.7 | W | 13/10/2018 | 19:55 | 0.9 | NE |
| 13/10/2018 | 06:10 | 3.1 | W | 13/10/2018 | 13:05 | 4.5 | W | 13/10/2018 | 20:00 | 0.9 | WSW |
| 13/10/2018 | 06:15 | 2.7 | WNW | 13/10/2018 | 13:10 | 3.1 | W | 13/10/2018 | 20:05 | 2.7 | SSW |
| 13/10/2018 | 06:20 | 4.5 | ENE | 13/10/2018 | 13:15 | 2.2 | W | 13/10/2018 | 20:10 | 2.2 | NNW |
| 13/10/2018 | 06:25 | 3.6 | W | 13/10/2018 | 13:20 | 3.1 | WNW | 13/10/2018 | 20:15 | 2.2 | N |
| 13/10/2018 | 06:30 | 2.7 | W | 13/10/2018 | 13:25 | 1.8 | N | 13/10/2018 | 20:20 | 1.3 | W |
| 13/10/2018 | 06:35 | 2.2 | W | 13/10/2018 | 13:30 | 0.4 | SSW | 13/10/2018 | 20:25 | 2.2 | N |
| 13/10/2018 | 06:40 | 0.4 | SE | 13/10/2018 | 13:35 | 5.4 | WNW | 13/10/2018 | 20:30 | 2.2 | WNW |
| 13/10/2018 | 06:45 | 0.9 | SSW | 13/10/2018 | 13:40 | 4.9 | E | 13/10/2018 | 20:35 | 1.3 | WSW |
| 13/10/2018 | 06:50 | 0.4 | SE | 13/10/2018 | 13:45 | 2.2 | W | 13/10/2018 | 20:40 | 4 | WNW |
| 13/10/2018 | 06:55 | 1.3 | ENE | 13/10/2018 | 13:50 | 0.9 | NE | 13/10/2018 | 20:45 | 0.9 | ENE |
| 13/10/2018 | 07:00 | 0.4 | SE | 13/10/2018 | 13:55 | 0.9 | SSW | 13/10/2018 | 20:50 | 0.9 | S |
| 13/10/2018 | 07:05 | 3.6 | W | 13/10/2018 | 14:00 | 4.5 | NW | 13/10/2018 | 20:55 | 3.6 | W |
| 13/10/2018 | 07:10 | 1.8 | N | 13/10/2018 | 14:05 | 0.9 | WSW | 13/10/2018 | 21:00 | 2.2 | NE |
| 13/10/2018 | 07:15 | 3.6 | W | 13/10/2018 | 14:10 | 4.5 | WNW | 13/10/2018 | 21:05 | 1.3 | NE |
| 13/10/2018 | 07:20 | 4.9 | W | 13/10/2018 | 14:15 | 2.2 | E | 13/10/2018 | 21:10 | 1.8 | N |
| 13/10/2018 | 07:25 | 4 | WNW | 13/10/2018 | 14:20 | 3.1 | WNW | 13/10/2018 | 21:15 | 1.3 | SW |
| 13/10/2018 | 07:30 | 1.3 | NE | 13/10/2018 | 14:25 | 4.9 | WNW | 13/10/2018 | 21:20 | 1.8 | NW |
| 13/10/2018 | 07:35 | 0.9 | SSW | 13/10/2018 | 14:30 | 0.9 | N | 13/10/2018 | 21:25 | 2.7 | WSW |
| 13/10/2018 | 07:40 | 1.3 | SSW | 13/10/2018 | 14:35 | 4.5 | ENE | 13/10/2018 | 21:30 | 2.7 | WNW |
| 13/10/2018 | 07:45 | 2.7 | WSW | 13/10/2018 | 14:40 | 0.9 | NW | 13/10/2018 | 21:35 | 2.2 | N |
| 13/10/2018 | 07:50 | 1.8 | N | 13/10/2018 | 14:45 | 2.2 | WNW | 13/10/2018 | 21:40 | 4.5 | WNW |
| 13/10/2018 | 07:55 | 5.4 | WNW | 13/10/2018 | 14:50 | 0.9 | S | 13/10/2018 | 21:45 | 5.4 | WNW |
| 13/10/2018 | 08:00 | 0.9 | NNW | 13/10/2018 | 14:55 | 4 | NW | 13/10/2018 | 21:50 | 4.5 | WNW |
| 13/10/2018 | 08:05 | 0.9 | SSW | 13/10/2018 | 15:00 | 1.3 | S | 13/10/2018 | 21:55 | 4 | W |
| 13/10/2018 | 08:10 | 0.4 | S | 13/10/2018 | 15:05 | 5.4 | ENE | 13/10/2018 | 22:00 | 2.7 | WNW |
| 13/10/2018 | 08:15 | 4.5 | WNW | 13/10/2018 | 15:10 | 4 | WNW | 13/10/2018 | 22:05 | 1.8 | WNW |
| 13/10/2018 | 08:20 | 4 | ENE | 13/10/2018 | 15:15 | 1.3 | SSW | 13/10/2018 | 22:10 | 4.5 | WNW |
| 13/10/2018 | 08:25 | 1.3 | NNW | 13/10/2018 | 15:20 | 0.9 | WNW | 13/10/2018 | 22:15 | 0.9 | SSW |
| 13/10/2018 | 08:30 | 3.1 | WNW | 13/10/2018 | 15:25 | 4.5 | WNW | 13/10/2018 | 22:20 | 4.9 | WNW |
| 13/10/2018 | 08:35 | 0.9 | SSW | 13/10/2018 | 15:30 | 1.3 | NNW | 13/10/2018 | 22:25 | 4 | E |
| 13/10/2018 | 08:40 | 0.9 | S | 13/10/2018 | 15:35 | 0.9 | ENE | 13/10/2018 | 22:30 | 4.9 | WNW |
| 13/10/2018 | 08:45 | 0.9 | SSW | 13/10/2018 | 15:40 | 0.9 | SE | 13/10/2018 | 22:35 | 1.8 | N |
| 13/10/2018 | 08:50 | 0.9 | WSW | 13/10/2018 | 15:45 | 0.9 | NW | 13/10/2018 | 22:40 | 4.5 | WNW |
| 13/10/2018 | 08:55 | 3.6 | W | 13/10/2018 | 15:50 | 2.2 | SW | 13/10/2018 | 22:45 | 0.9 | N |
| 13/10/2018 | 09:00 | 0.9 | SSW | 13/10/2018 | 15:55 | 2.2 | W | 13/10/2018 | 22:50 | 2.2 | W |
| 13/10/2018 | 09:05 | 2.2 | N | 13/10/2018 | 16:00 | 2.2 | E | 13/10/2018 | 22:55 | 2.2 | SSW |
| 13/10/2018 | 09:10 | 0.9 | NE | 13/10/2018 | 16:05 | 4.9 | WNW | 13/10/2018 | 23:00 | 0.4 | SE |
| 13/10/2018 | 09:15 | 4.9 | WNW | 13/10/2018 | 16:10 | 2.7 | SSW | 13/10/2018 | 23:05 | 2.2 | SW |
| 13/10/2018 | 09:20 | 2.7 | W | 13/10/2018 | 16:15 | 3.6 | W | 13/10/2018 | 23:10 | 1.3 | WSW |
| 13/10/2018 | 09:25 | 3.1 | E | 13/10/2018 | 16:20 | 1.3 | S | 13/10/2018 | 23:15 | 3.1 | NE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13/10/2018 | 23:20 | 4 | ENE | 14/10/2018 | 06:15 | 0.9 | ENE | 14/10/2018 | 13:10 | 3.1 | E |
| 13/10/2018 | 23:25 | 0.9 | WSW | 14/10/2018 | 06:20 | 0.4 | NNE | 14/10/2018 | 13:15 | 1.3 | N |
| 13/10/2018 | 23:30 | 1.8 | N | 14/10/2018 | 06:25 | 0.9 | N | 14/10/2018 | 13:20 | 0.9 | N |
| 13/10/2018 | 23:35 | 1.8 | NNE | 14/10/2018 | 06:30 | 2.2 | E | 14/10/2018 | 13:25 | 0.4 | NE |
| 13/10/2018 | 23:40 | 1.3 | W | 14/10/2018 | 06:35 | 2.7 | WSW | 14/10/2018 | 13:30 | 4.5 | WSW |
| 13/10/2018 | 23:45 | 4.9 | ENE | 14/10/2018 | 06:40 | 2.2 | NE | 14/10/2018 | 13:35 | 1.8 | E |
| 13/10/2018 | 23:50 | 0.9 | SSW | 14/10/2018 | 06:45 | 1.3 | ENE | 14/10/2018 | 13:40 | 0.4 | NW |
| 13/10/2018 | 23:55 | 1.8 | NE | 14/10/2018 | 06:50 | 4.5 | WSW | 14/10/2018 | 13:45 | 0.9 | NNW |
| 14/10/2018 | 00:00 | 2.7 | NE | 14/10/2018 | 06:55 | 0.9 | SW | 14/10/2018 | 13:50 | 2.2 | WSW |
| 14/10/2018 | 00:05 | 0.9 | SSE | 14/10/2018 | 07:00 | 0.4 | E | 14/10/2018 | 13:55 | 0.4 | SE |
| 14/10/2018 | 00:10 | 2.2 | E | 14/10/2018 | 07:05 | 1.3 | NW | 14/10/2018 | 14:00 | 4.5 | WSW |
| 14/10/2018 | 00:15 | 2.2 | ENE | 14/10/2018 | 07:10 | 0.9 | N | 14/10/2018 | 14:05 | 3.1 | E |
| 14/10/2018 | 00:20 | 0.9 | E | 14/10/2018 | 07:15 | 1.3 | SE | 14/10/2018 | 14:10 | 1.8 | N |
| 14/10/2018 | 00:25 | 1.3 | NE | 14/10/2018 | 07:20 | 1.3 | E | 14/10/2018 | 14:15 | 2.2 | WSW |
| 14/10/2018 | 00:30 | 1.3 | ENE | 14/10/2018 | 07:25 | 0.9 | NNE | 14/10/2018 | 14:20 | 0.4 | E |
| 14/10/2018 | 00:35 | 0.9 | SE | 14/10/2018 | 07:30 | 0.4 | SSE | 14/10/2018 | 14:25 | 0.9 | N |
| 14/10/2018 | 00:40 | 0.4 | E | 14/10/2018 | 07:35 | 1.3 | SW | 14/10/2018 | 14:30 | 2.2 | WSW |
| 14/10/2018 | 00:45 | 0.4 | E | 14/10/2018 | 07:40 | 1.8 | NE | 14/10/2018 | 14:35 | 0.4 | SE |
| 14/10/2018 | 00:50 | 0.9 | S | 14/10/2018 | 07:45 | 2.7 | NE | 14/10/2018 | 14:40 | 0.4 | SSW |
| 14/10/2018 | 00:55 | 0.9 | ESE | 14/10/2018 | 07:50 | 2.7 | NE | 14/10/2018 | 14:45 | 0.9 | ESE |
| 14/10/2018 | 01:00 | 0.9 | SW | 14/10/2018 | 07:55 | 0.9 | E | 14/10/2018 | 14:50 | 0.9 | SW |
| 14/10/2018 | 01:05 | 1.3 | NNE | 14/10/2018 | 08:00 | 1.8 | NE | 14/10/2018 | 14:55 | 0.9 | SSW |
| 14/10/2018 | 01:10 | 0.9 | E | 14/10/2018 | 08:05 | 4.9 | W | 14/10/2018 | 15:00 | 0.4 | ENE |
| 14/10/2018 | 01:15 | 2.2 | ENE | 14/10/2018 | 08:10 | 1.3 | SSW | 14/10/2018 | 15:05 | 2.2 | WSW |
| 14/10/2018 | 01:20 | 0.4 | NNE | 14/10/2018 | 08:15 | 1.3 | E | 14/10/2018 | 15:10 | 1.3 | NE |
| 14/10/2018 | 01:25 | 0.9 | ESE | 14/10/2018 | 08:20 | 0.9 | NE | 14/10/2018 | 15:15 | 4.9 | WSW |
| 14/10/2018 | 01:30 | 0.4 | WSW | 14/10/2018 | 08:25 | 4.9 | WSW | 14/10/2018 | 15:20 | 0.9 | SW |
| 14/10/2018 | 01:35 | 2.2 | NE | 14/10/2018 | 08:30 | 1.3 | ENE | 14/10/2018 | 15:25 | 0.4 | SSW |
| 14/10/2018 | 01:40 | 1.3 | N | 14/10/2018 | 08:35 | 0.4 | NNE | 14/10/2018 | 15:30 | 2.2 | NE |
| 14/10/2018 | 01:45 | 1.8 | WSW | 14/10/2018 | 08:40 | 2.2 | WSW | 14/10/2018 | 15:35 | 3.1 | NE |
| 14/10/2018 | 01:50 | 0.4 | SE | 14/10/2018 | 08:45 | 0.9 | WNW | 14/10/2018 | 15:40 | 2.7 | WSW |
| 14/10/2018 | 01:55 | 0.9 | E | 14/10/2018 | 08:50 | 0.4 | N | 14/10/2018 | 15:45 | 0.9 | N |
| 14/10/2018 | 02:00 | 4.5 | WSW | 14/10/2018 | 08:55 | 1.3 | SW | 14/10/2018 | 15:50 | 0.9 | ESE |
| 14/10/2018 | 02:05 | 2.2 | WSW | 14/10/2018 | 09:00 | 0.9 | E | 14/10/2018 | 15:55 | 0.4 | SSW |
| 14/10/2018 | 02:10 | 1.3 | E | 14/10/2018 | 09:05 | 0.9 | SE | 14/10/2018 | 16:00 | 1.3 | SSW |
| 14/10/2018 | 02:15 | 0.9 | NE | 14/10/2018 | 09:10 | 2.2 | E | 14/10/2018 | 16:05 | 4 | W |
| 14/10/2018 | 02:20 | 5.4 | W | 14/10/2018 | 09:15 | 1.8 | WSW | 14/10/2018 | 16:10 | 0.4 | NNE |
| 14/10/2018 | 02:25 | 1.3 | E | 14/10/2018 | 09:20 | 0.4 | NNE | 14/10/2018 | 16:15 | 1.3 | E |
| 14/10/2018 | 02:30 | 1.8 | E | 14/10/2018 | 09:25 | 0.4 | SSW | 14/10/2018 | 16:20 | 0.4 | E |
| 14/10/2018 | 02:35 | 5.4 | W | 14/10/2018 | 09:30 | 1.3 | E | 14/10/2018 | 16:25 | 2.2 | E |
| 14/10/2018 | 02:40 | 0.9 | ENE | 14/10/2018 | 09:35 | 0.9 | SSW | 14/10/2018 | 16:30 | 0.9 | SW |
| 14/10/2018 | 02:45 | 1.8 | ENE | 14/10/2018 | 09:40 | 0.9 | NW | 14/10/2018 | 16:35 | 0.4 | E |
| 14/10/2018 | 02:50 | 2.7 | NE | 14/10/2018 | 09:45 | 2.2 | NE | 14/10/2018 | 16:40 | 0.9 | SSE |
| 14/10/2018 | 02:55 | 1.3 | E | 14/10/2018 | 09:50 | 0.9 | NNW | 14/10/2018 | 16:45 | 0.4 | N |
| 14/10/2018 | 03:00 | 1.8 | W | 14/10/2018 | 09:55 | 1.3 | NNW | 14/10/2018 | 16:50 | 3.1 | ENE |
| 14/10/2018 | 03:05 | 1.3 | N | 14/10/2018 | 10:00 | 2.7 | NE | 14/10/2018 | 16:55 | 0.9 | WSW |
| 14/10/2018 | 03:10 | 3.1 | NE | 14/10/2018 | 10:05 | 0.9 | N | 14/10/2018 | 17:00 | 0.4 | SSW |
| 14/10/2018 | 03:15 | 2.7 | WSW | 14/10/2018 | 10:10 | 1.8 | N | 14/10/2018 | 17:05 | 1.3 | SW |
| 14/10/2018 | 03:20 | 0.4 | SSW | 14/10/2018 | 10:15 | 1.3 | ESE | 14/10/2018 | 17:10 | 0.9 | NNE |
| 14/10/2018 | 03:25 | 1.3 | ENE | 14/10/2018 | 10:20 | 1.8 | ENE | 14/10/2018 | 17:15 | 2.2 | ENE |
| 14/10/2018 | 03:30 | 0.4 | ESE | 14/10/2018 | 10:25 | 0.4 | WSW | 14/10/2018 | 17:20 | 0.4 | E |
| 14/10/2018 | 03:35 | 1.8 | N | 14/10/2018 | 10:30 | 0.4 | N | 14/10/2018 | 17:25 | 1.8 | NNE |
| 14/10/2018 | 03:40 | 4.5 | WSW | 14/10/2018 | 10:35 | 0.9 | ESE | 14/10/2018 | 17:30 | 1.3 | NNW |
| 14/10/2018 | 03:45 | 2.7 | NE | 14/10/2018 | 10:40 | 0.9 | E | 14/10/2018 | 17:35 | 0.9 | NNW |
| 14/10/2018 | 03:50 | 0.4 | SE | 14/10/2018 | 10:45 | 2.2 | ENE | 14/10/2018 | 17:40 | 0.9 | ENE |
| 14/10/2018 | 03:55 | 1.8 | W | 14/10/2018 | 10:50 | 0.9 | NNE | 14/10/2018 | 17:45 | 1.8 | E |
| 14/10/2018 | 04:00 | 0.4 | W | 14/10/2018 | 10:55 | 1.3 | SSW | 14/10/2018 | 17:50 | 0.9 | ENE |
| 14/10/2018 | 04:05 | 0.4 | ESE | 14/10/2018 | 11:00 | 1.8 | NE | 14/10/2018 | 17:55 | 1.8 | ENE |
| 14/10/2018 | 04:10 | 2.2 | ENE | 14/10/2018 | 11:05 | 0.4 | E | 14/10/2018 | 18:00 | 4.9 | W |
| 14/10/2018 | 04:15 | 1.8 | WSW | 14/10/2018 | 11:10 | 2.2 | ENE | 14/10/2018 | 18:05 | 1.3 | E |
| 14/10/2018 | 04:20 | 0.4 | E | 14/10/2018 | 11:15 | 0.9 | NNW | 14/10/2018 | 18:10 | 0.4 | SE |
| 14/10/2018 | 04:25 | 0.4 | SSW | 14/10/2018 | 11:20 | 2.7 | WSW | 14/10/2018 | 18:15 | 0.9 | SW |
| 14/10/2018 | 04:30 | 0.4 | WSW | 14/10/2018 | 11:25 | 1.8 | WSW | 14/10/2018 | 18:20 | 0.4 | E |
| 14/10/2018 | 04:35 | 0.4 | SE | 14/10/2018 | 11:30 | 0.4 | SSW | 14/10/2018 | 18:25 | 1.8 | W |
| 14/10/2018 | 04:40 | 0.9 | WNW | 14/10/2018 | 11:35 | 0.4 | SSW | 14/10/2018 | 18:30 | 1.3 | WSW |
| 14/10/2018 | 04:45 | 0.4 | N | 14/10/2018 | 11:40 | 0.9 | E | 14/10/2018 | 18:35 | 2.2 | SW |
| 14/10/2018 | 04:50 | 1.3 | SW | 14/10/2018 | 11:45 | 3.1 | E | 14/10/2018 | 18:40 | 0.9 | ESE |
| 14/10/2018 | 04:55 | 0.4 | E | 14/10/2018 | 11:50 | 2.2 | WSW | 14/10/2018 | 18:45 | 2.2 | ENE |
| 14/10/2018 | 05:00 | 0.4 | E | 14/10/2018 | 11:55 | 0.4 | ENE | 14/10/2018 | 18:50 | 0.9 | SW |
| 14/10/2018 | 05:05 | 2.7 | NE | 14/10/2018 | 12:00 | 0.4 | SSW | 14/10/2018 | 18:55 | 1.3 | SW |
| 14/10/2018 | 05:10 | 1.3 | ENE | 14/10/2018 | 12:05 | 0.4 | N | 14/10/2018 | 19:00 | 2.2 | E |
| 14/10/2018 | 05:15 | 0.4 | SE | 14/10/2018 | 12:10 | 0.4 | E | 14/10/2018 | 19:05 | 1.8 | E |
| 14/10/2018 | 05:20 | 1.8 | ENE | 14/10/2018 | 12:15 | 3.1 | E | 14/10/2018 | 19:10 | 5.4 | W |
| 14/10/2018 | 05:25 | 0.9 | ESE | 14/10/2018 | 12:20 | 1.8 | WSW | 14/10/2018 | 19:15 | 0.4 | E |
| 14/10/2018 | 05:30 | 0.4 | NNE | 14/10/2018 | 12:25 | 0.4 | SSW | 14/10/2018 | 19:20 | 0.4 | ESE |
| 14/10/2018 | 05:35 | 1.3 | SW | 14/10/2018 | 12:30 | 0.4 | E | 14/10/2018 | 19:25 | 3.1 | NE |
| 14/10/2018 | 05:40 | 4 | WSW | 14/10/2018 | 12:35 | 1.3 | WSW | 14/10/2018 | 19:30 | 3.1 | NE |
| 14/10/2018 | 05:45 | 0.4 | NNE | 14/10/2018 | 12:40 | 4.5 | W | 14/10/2018 | 19:35 | 0.4 | N |
| 14/10/2018 | 05:50 | 0.9 | NE | 14/10/2018 | 12:45 | 0.9 | NNW | 14/10/2018 | 19:40 | 0.4 | SSW |
| 14/10/2018 | 05:55 | 1.8 | ENE | 14/10/2018 | 12:50 | 0.4 | NNE | 14/10/2018 | 19:45 | 3.1 | WSW |
| 14/10/2018 | 06:00 | 3.1 | WSW | 14/10/2018 | 12:55 | 2.7 | WSW | 14/10/2018 | 19:50 | 1.8 | ENE |
| 14/10/2018 | 06:05 | 0.4 | NW | 14/10/2018 | 13:00 | 0.4 | SE | 14/10/2018 | 19:55 | 1.3 | NNW |
| 14/10/2018 | 06:10 | 2.2 | NE | 14/10/2018 | 13:05 | 2.2 | ENE | 14/10/2018 | 20:00 | 0.4 | SE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14/10/2018 | 20:05 | 2.2 | E | 15/10/2018 | 03:00 | 0.9 | SSW | 15/10/2018 | 09:55 | 0.4 | NW |
| 14/10/2018 | 20:10 | 1.3 | WSW | 15/10/2018 | 03:05 | 2.7 | W | 15/10/2018 | 10:00 | 1.8 | N |
| 14/10/2018 | 20:15 | 0.9 | SSE | 15/10/2018 | 03:10 | 2.2 | SW | 15/10/2018 | 10:05 | 0.4 | SE |
| 14/10/2018 | 20:20 | 0.9 | SSW | 15/10/2018 | 03:15 | 0.4 | ESE | 15/10/2018 | 10:10 | 1.8 | NNE |
| 14/10/2018 | 20:25 | 0.9 | ESE | 15/10/2018 | 03:20 | 0.9 | SSW | 15/10/2018 | 10:15 | 2.7 | WSW |
| 14/10/2018 | 20:30 | 1.3 | WSW | 15/10/2018 | 03:25 | 0.9 | SSW | 15/10/2018 | 10:20 | 1.3 | WSW |
| 14/10/2018 | 20:35 | 2.2 | E | 15/10/2018 | 03:30 | 0.4 | SE | 15/10/2018 | 10:25 | 0.4 | WNW |
| 14/10/2018 | 20:40 | 0.9 | SSW | 15/10/2018 | 03:35 | 1.8 | SSW | 15/10/2018 | 10:30 | 1.8 | NNW |
| 14/10/2018 | 20:45 | 0.4 | WSW | 15/10/2018 | 03:40 | 1.3 | WNW | 15/10/2018 | 10:35 | 1.3 | NNE |
| 14/10/2018 | 20:50 | 2.7 | NE | 15/10/2018 | 03:45 | 2.2 | WSW | 15/10/2018 | 10:40 | 1.3 | ESE |
| 14/10/2018 | 20:55 | 2.2 | E | 15/10/2018 | 03:50 | 2.7 | WNW | 15/10/2018 | 10:45 | 2.2 | W |
| 14/10/2018 | 21:00 | 1.3 | NE | 15/10/2018 | 03:55 | 0.4 | SSW | 15/10/2018 | 10:50 | 1.8 | NE |
| 14/10/2018 | 21:05 | 0.4 | NNE | 15/10/2018 | 04:00 | 1.3 | WSW | 15/10/2018 | 10:55 | 1.3 | SW |
| 14/10/2018 | 21:10 | 0.9 | ESE | 15/10/2018 | 04:05 | 0.4 | SE | 15/10/2018 | 11:00 | 0.9 | SSW |
| 14/10/2018 | 21:15 | 2.7 | NE | 15/10/2018 | 04:10 | 2.7 | WSW | 15/10/2018 | 11:05 | 1.3 | NE |
| 14/10/2018 | 21:20 | 1.3 | NE | 15/10/2018 | 04:15 | 0.9 | E | 15/10/2018 | 11:10 | 1.8 | NNW |
| 14/10/2018 | 21:25 | 1.3 | ESE | 15/10/2018 | 04:20 | 0.9 | SSW | 15/10/2018 | 11:15 | 0.9 | NW |
| 14/10/2018 | 21:30 | 2.2 | WSW | 15/10/2018 | 04:25 | 0.9 | E | 15/10/2018 | 11:20 | 1.3 | N |
| 14/10/2018 | 21:35 | 1.8 | W | 15/10/2018 | 04:30 | 1.8 | NNW | 15/10/2018 | 11:25 | 0.9 | SSE |
| 14/10/2018 | 21:40 | 3.1 | E | 15/10/2018 | 04:35 | 0.4 | E | 15/10/2018 | 11:30 | 0.4 | SSW |
| 14/10/2018 | 21:45 | 1.3 | SSW | 15/10/2018 | 04:40 | 1.3 | WSW | 15/10/2018 | 11:35 | 2.2 | W |
| 14/10/2018 | 21:50 | 2.2 | ENE | 15/10/2018 | 04:45 | 0.4 | E | 15/10/2018 | 11:40 | 0.9 | SSW |
| 14/10/2018 | 21:55 | 0.4 | ESE | 15/10/2018 | 04:50 | 3.1 | W | 15/10/2018 | 11:45 | 0.4 | SW |
| 14/10/2018 | 22:00 | 2.2 | WSW | 15/10/2018 | 04:55 | 1.8 | NW | 15/10/2018 | 11:50 | 1.8 | NNE |
| 14/10/2018 | 22:05 | 0.4 | NE | 15/10/2018 | 05:00 | 0.9 | S | 15/10/2018 | 11:55 | 0.4 | SE |
| 14/10/2018 | 22:10 | 0.9 | WSW | 15/10/2018 | 05:05 | 0.4 | S | 15/10/2018 | 12:00 | 2.7 | WNW |
| 14/10/2018 | 22:15 | 1.3 | NNE | 15/10/2018 | 05:10 | 1.8 | ESE | 15/10/2018 | 12:05 | 1.8 | NE |
| 14/10/2018 | 22:20 | 0.9 | N | 15/10/2018 | 05:15 | 1.8 | NNE | 15/10/2018 | 12:10 | 2.7 | N |
| 14/10/2018 | 22:25 | 0.4 | N | 15/10/2018 | 05:20 | 1.3 | WSW | 15/10/2018 | 12:15 | 1.3 | NNE |
| 14/10/2018 | 22:30 | 1.3 | E | 15/10/2018 | 05:25 | 0.9 | SSE | 15/10/2018 | 12:20 | 1.8 | NNE |
| 14/10/2018 | 22:35 | 3.1 | NE | 15/10/2018 | 05:30 | 0.4 | SE | 15/10/2018 | 12:25 | 0.9 | SSE |
| 14/10/2018 | 22:40 | 1.3 | SW | 15/10/2018 | 05:35 | 0.9 | E | 15/10/2018 | 12:30 | 1.3 | N |
| 14/10/2018 | 22:45 | 4.5 | W | 15/10/2018 | 05:40 | 1.3 | NNE | 15/10/2018 | 12:35 | 1.8 | NNE |
| 14/10/2018 | 22:50 | 1.3 | ENE | 15/10/2018 | 05:45 | 0.9 | E | 15/10/2018 | 12:40 | 1.3 | SSW |
| 14/10/2018 | 22:55 | 0.9 | NNE | 15/10/2018 | 05:50 | 1.8 | W | 15/10/2018 | 12:45 | 0.4 | NE |
| 14/10/2018 | 23:00 | 0.4 | E | 15/10/2018 | 05:55 | 1.3 | S | 15/10/2018 | 12:50 | 0.4 | SSW |
| 14/10/2018 | 23:05 | 3.1 | E | 15/10/2018 | 06:00 | 1.3 | NNE | 15/10/2018 | 12:55 | 1.8 | NNE |
| 14/10/2018 | 23:10 | 0.9 | NE | 15/10/2018 | 06:05 | 1.3 | WNW | 15/10/2018 | 13:00 | 0.9 | SE |
| 14/10/2018 | 23:15 | 0.4 | ESE | 15/10/2018 | 06:10 | 0.4 | WSW | 15/10/2018 | 13:05 | 0.4 | E |
| 14/10/2018 | 23:20 | 0.9 | NNW | 15/10/2018 | 06:15 | 0.4 | SSW | 15/10/2018 | 13:10 | 1.8 | NNW |
| 14/10/2018 | 23:25 | 1.8 | N | 15/10/2018 | 06:20 | 1.3 | SSW | 15/10/2018 | 13:15 | 1.8 | NNE |
| 14/10/2018 | 23:30 | 2.2 | W | 15/10/2018 | 06:25 | 0.9 | ESE | 15/10/2018 | 13:20 | 0.4 | SSW |
| 14/10/2018 | 23:35 | 1.3 | ESE | 15/10/2018 | 06:30 | 0.4 | SSW | 15/10/2018 | 13:25 | 1.3 | WSW |
| 14/10/2018 | 23:40 | 0.9 | SSE | 15/10/2018 | 06:35 | 1.3 | WSW | 15/10/2018 | 13:30 | 1.8 | N |
| 14/10/2018 | 23:45 | 1.3 | NE | 15/10/2018 | 06:40 | 0.4 | SSW | 15/10/2018 | 13:35 | 1.8 | N |
| 14/10/2018 | 23:50 | 2.7 | W | 15/10/2018 | 06:45 | 1.3 | NE | 15/10/2018 | 13:40 | 3.6 | WSW |
| 14/10/2018 | 23:55 | 1.3 | N | 15/10/2018 | 06:50 | 1.8 | NNE | 15/10/2018 | 13:45 | 0.4 | SSW |
| 15/10/2018 | 00:00 | 2.7 | W | 15/10/2018 | 06:55 | 1.8 | N | 15/10/2018 | 13:50 | 2.7 | SW |
| 15/10/2018 | 00:05 | 0.4 | SE | 15/10/2018 | 07:00 | 1.8 | NE | 15/10/2018 | 13:55 | 0.4 | ESE |
| 15/10/2018 | 00:10 | 1.8 | W | 15/10/2018 | 07:05 | 0.9 | S | 15/10/2018 | 14:00 | 0.4 | SE |
| 15/10/2018 | 00:15 | 1.3 | SSW | 15/10/2018 | 07:10 | 0.4 | SE | 15/10/2018 | 14:05 | 0.9 | WSW |
| 15/10/2018 | 00:20 | 1.3 | W | 15/10/2018 | 07:15 | 0.9 | NNW | 15/10/2018 | 14:10 | 3.6 | WSW |
| 15/10/2018 | 00:25 | 0.4 | E | 15/10/2018 | 07:20 | 0.4 | E | 15/10/2018 | 14:15 | 0.4 | SW |
| 15/10/2018 | 00:30 | 1.3 | E | 15/10/2018 | 07:25 | 3.6 | W | 15/10/2018 | 14:20 | 1.8 | NNE |
| 15/10/2018 | 00:35 | 1.8 | NNE | 15/10/2018 | 07:30 | 1.8 | N | 15/10/2018 | 14:25 | 1.8 | W |
| 15/10/2018 | 00:40 | 1.8 | ESE | 15/10/2018 | 07:35 | 1.3 | NE | 15/10/2018 | 14:30 | 1.3 | WSW |
| 15/10/2018 | 00:45 | 1.3 | WSW | 15/10/2018 | 07:40 | 2.7 | WNW | 15/10/2018 | 14:35 | 1.3 | ENE |
| 15/10/2018 | 00:50 | 1.3 | N | 15/10/2018 | 07:45 | 0.9 | E | 15/10/2018 | 14:40 | 0.9 | ESE |
| 15/10/2018 | 00:55 | 1.8 | N | 15/10/2018 | 07:50 | 0.9 | NW | 15/10/2018 | 14:45 | 0.4 | SE |
| 15/10/2018 | 01:00 | 1.3 | NNW | 15/10/2018 | 07:55 | 0.4 | SSW | 15/10/2018 | 14:50 | 0.9 | NNW |
| 15/10/2018 | 01:05 | 1.8 | NNE | 15/10/2018 | 08:00 | 2.7 | W | 15/10/2018 | 14:55 | 1.3 | SW |
| 15/10/2018 | 01:10 | 1.3 | SSW | 15/10/2018 | 08:05 | 0.4 | WSW | 15/10/2018 | 15:00 | 0.4 | SSW |
| 15/10/2018 | 01:15 | 0.4 | SSW | 15/10/2018 | 08:10 | 0.9 | SSW | 15/10/2018 | 15:05 | 1.8 | N |
| 15/10/2018 | 01:20 | 0.4 | SE | 15/10/2018 | 08:15 | 1.8 | N | 15/10/2018 | 15:10 | 0.9 | SSW |
| 15/10/2018 | 01:25 | 0.9 | SSW | 15/10/2018 | 08:20 | 1.8 | NNW | 15/10/2018 | 15:15 | 0.4 | SSW |
| 15/10/2018 | 01:30 | 0.4 | ESE | 15/10/2018 | 08:25 | 1.3 | E | 15/10/2018 | 15:20 | 0.4 | WSW |
| 15/10/2018 | 01:35 | 1.8 | N | 15/10/2018 | 08:30 | 0.4 | SE | 15/10/2018 | 15:25 | 0.4 | SSW |
| 15/10/2018 | 01:40 | 0.4 | WSW | 15/10/2018 | 08:35 | 0.4 | E | 15/10/2018 | 15:30 | 0.4 | SSW |
| 15/10/2018 | 01:45 | 2.2 | WNW | 15/10/2018 | 08:40 | 0.4 | SE | 15/10/2018 | 15:35 | 2.7 | W |
| 15/10/2018 | 01:50 | 1.3 | NW | 15/10/2018 | 08:45 | 0.9 | ESE | 15/10/2018 | 15:40 | 1.8 | NNW |
| 15/10/2018 | 01:55 | 2.7 | WSW | 15/10/2018 | 08:50 | 2.2 | N | 15/10/2018 | 15:45 | 0.9 | W |
| 15/10/2018 | 02:00 | 1.8 | NE | 15/10/2018 | 08:55 | 1.3 | E | 15/10/2018 | 15:50 | 0.4 | SSW |
| 15/10/2018 | 02:05 | 0.9 | N | 15/10/2018 | 09:00 | 0.4 | SSW | 15/10/2018 | 15:55 | 1.8 | NNW |
| 15/10/2018 | 02:10 | 0.9 | S | 15/10/2018 | 09:05 | 2.7 | W | 15/10/2018 | 16:00 | 2.2 | W |
| 15/10/2018 | 02:15 | 1.3 | N | 15/10/2018 | 09:10 | 1.8 | N | 15/10/2018 | 16:05 | 1.3 | ESE |
| 15/10/2018 | 02:20 | 1.8 | N | 15/10/2018 | 09:15 | 1.3 | E | 15/10/2018 | 16:10 | 0.4 | SSE |
| 15/10/2018 | 02:25 | 2.2 | N | 15/10/2018 | 09:20 | 2.2 | N | 15/10/2018 | 16:15 | 1.8 | NE |
| 15/10/2018 | 02:30 | 0.4 | SSW | 15/10/2018 | 09:25 | 1.8 | W | 15/10/2018 | 16:20 | 0.4 | SE |
| 15/10/2018 | 02:35 | 0.4 | S | 15/10/2018 | 09:30 | 0.4 | SSW | 15/10/2018 | 16:25 | 2.7 | WSW |
| 15/10/2018 | 02:40 | 0.9 | NW | 15/10/2018 | 09:35 | 0.9 | SSW | 15/10/2018 | 16:30 | 1.3 | NNE |
| 15/10/2018 | 02:45 | 2.7 | WSW | 15/10/2018 | 09:40 | 0.4 | SE | 15/10/2018 | 16:35 | 1.3 | ENE |
| 15/10/2018 | 02:50 | 1.3 | E | 15/10/2018 | 09:45 | 2.2 | ENE | 15/10/2018 | 16:40 | 0.4 | ESE |
| 15/10/2018 | 02:55 | 1.3 | WSW | 15/10/2018 | 09:50 | 0.4 | ESE | 15/10/2018 | 16:45 | 1.8 | SW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15/10/2018 | 16:50 | 0.4 | WSW | 15/10/2018 | 23:45 | 0.4 | SE | 16/10/2018 | 06:40 | 8 | SE |
| 15/10/2018 | 16:55 | 1.3 | N | 15/10/2018 | 23:50 | 0.4 | ESE | 16/10/2018 | 06:45 | 12 | SE |
| 15/10/2018 | 17:00 | 1.8 | NNW | 15/10/2018 | 23:55 | 1.3 | NE | 16/10/2018 | 06:50 | 6 | SE |
| 15/10/2018 | 17:05 | 1.3 | E | 16/10/2018 | 00:00 | 1.8 | NNE | 16/10/2018 | 06:55 | 18 | SSE |
| 15/10/2018 | 17:10 | 0.9 | S | 16/10/2018 | 00:05 | 0 | --- | 16/10/2018 | 07:00 | 15 | SSE |
| 15/10/2018 | 17:15 | 1.3 | E | 16/10/2018 | 00:10 | 15 | SSE | 16/10/2018 | 07:05 | 12 | SSE |
| 15/10/2018 | 17:20 | 0.4 | SSW | 16/10/2018 | 00:15 | 4 | E | 16/10/2018 | 07:10 | 5 | E |
| 15/10/2018 | 17:25 | 3.6 | SW | 16/10/2018 | 00:20 | 10 | SSE | 16/10/2018 | 07:15 | 10 | SSE |
| 15/10/2018 | 17:30 | 0.9 | WSW | 16/10/2018 | 00:25 | 7 | SE | 16/10/2018 | 07:20 | 17 | SSE |
| 15/10/2018 | 17:35 | 2.7 | WSW | 16/10/2018 | 00:30 | 10 | ESE | 16/10/2018 | 07:25 | 16 | SSE |
| 15/10/2018 | 17:40 | 2.7 | WNW | 16/10/2018 | 00:35 | 5 | SE | 16/10/2018 | 07:30 | 1 | SSW |
| 15/10/2018 | 17:45 | 0.9 | WSW | 16/10/2018 | 00:40 | 15 | S | 16/10/2018 | 07:35 | 4 | SE |
| 15/10/2018 | 17:50 | 1.3 | N | 16/10/2018 | 00:45 | 5 | E | 16/10/2018 | 07:40 | 16 | SSE |
| 15/10/2018 | 17:55 | 0.4 | SSW | 16/10/2018 | 00:50 | 10 | SSE | 16/10/2018 | 07:45 | 14 | SE |
| 15/10/2018 | 18:00 | 1.3 | ESE | 16/10/2018 | 00:55 | 7 | SE | 16/10/2018 | 07:50 | 7 | SSE |
| 15/10/2018 | 18:05 | 0.4 | SSW | 16/10/2018 | 01:00 | 7 | SE | 16/10/2018 | 07:55 | 9 | ESE |
| 15/10/2018 | 18:10 | 1.3 | SW | 16/10/2018 | 01:05 | 3 | SE | 16/10/2018 | 08:00 | 16 | SSE |
| 15/10/2018 | 18:15 | 1.3 | NW | 16/10/2018 | 01:10 | 5 | ESE | 16/10/2018 | 08:05 | 16 | SSE |
| 15/10/2018 | 18:20 | 0.4 | SSW | 16/10/2018 | 01:15 | 6 | E | 16/10/2018 | 08:10 | 8 | SSE |
| 15/10/2018 | 18:25 | 2.7 | W | 16/10/2018 | 01:20 | 12 | SSE | 16/10/2018 | 08:15 | 15 | SE |
| 15/10/2018 | 18:30 | 0.4 | SSW | 16/10/2018 | 01:25 | 17 | SSE | 16/10/2018 | 08:20 | 2 | ESE |
| 15/10/2018 | 18:35 | 1.8 | NE | 16/10/2018 | 01:30 | 1 | WNW | 16/10/2018 | 08:25 | 10 | SSE |
| 15/10/2018 | 18:40 | 1.8 | N | 16/10/2018 | 01:35 | 8 | ESE | 16/10/2018 | 08:30 | 2 | NNW |
| 15/10/2018 | 18:45 | 0.4 | SSE | 16/10/2018 | 01:40 | 4 | SE | 16/10/2018 | 08:35 | 0 | NNW |
| 15/10/2018 | 18:50 | 1.8 | NNE | 16/10/2018 | 01:45 | 15 | SSE | 16/10/2018 | 08:40 | 2 | SSW |
| 15/10/2018 | 18:55 | 0.9 | ESE | 16/10/2018 | 01:50 | 8 | ESE | 16/10/2018 | 08:45 | 6 | E |
| 15/10/2018 | 19:00 | 1.3 | ENE | 16/10/2018 | 01:55 | 6 | ESE | 16/10/2018 | 08:50 | 13 | SSE |
| 15/10/2018 | 19:05 | 0.9 | S | 16/10/2018 | 02:00 | 0 | --- | 16/10/2018 | 08:55 | 9 | SSE |
| 15/10/2018 | 19:10 | 0.9 | W | 16/10/2018 | 02:05 | 5 | SSE | 16/10/2018 | 09:00 | 10 | SE |
| 15/10/2018 | 19:15 | 0.4 | SSW | 16/10/2018 | 02:10 | 17 | SSE | 16/10/2018 | 09:05 | 0 | --- |
| 15/10/2018 | 19:20 | 2.7 | SSW | 16/10/2018 | 02:15 | 5 | SE | 16/10/2018 | 09:10 | 0 | --- |
| 15/10/2018 | 19:25 | 2.2 | WNW | 16/10/2018 | 02:20 | 0 | --- | 16/10/2018 | 09:15 | 9 | ESE |
| 15/10/2018 | 19:30 | 0.4 | E | 16/10/2018 | 02:25 | 6 | ESE | 16/10/2018 | 09:20 | 8 | SSE |
| 15/10/2018 | 19:35 | 0.4 | SSW | 16/10/2018 | 02:30 | 11 | ESE | 16/10/2018 | 09:25 | 7 | SSE |
| 15/10/2018 | 19:40 | 0.4 | SSW | 16/10/2018 | 02:35 | 10 | SSE | 16/10/2018 | 09:30 | 13 | SSE |
| 15/10/2018 | 19:45 | 1.8 | N | 16/10/2018 | 02:40 | 5 | SSE | 16/10/2018 | 09:35 | 5 | ESE |
| 15/10/2018 | 19:50 | 0.9 | E | 16/10/2018 | 02:45 | 9 | SSE | 16/10/2018 | 09:40 | 2 | NW |
| 15/10/2018 | 19:55 | 0.4 | NNW | 16/10/2018 | 02:50 | 12 | SSE | 16/10/2018 | 09:45 | 9 | SE |
| 15/10/2018 | 20:00 | 1.3 | E | 16/10/2018 | 02:55 | 11 | SSE | 16/10/2018 | 09:50 | 9 | SE |
| 15/10/2018 | 20:05 | 2.2 | N | 16/10/2018 | 03:00 | 16 | SSE | 16/10/2018 | 09:55 | 7 | SSE |
| 15/10/2018 | 20:10 | 0.4 | SSW | 16/10/2018 | 03:05 | 0 | --- | 16/10/2018 | 10:00 | 13 | SSE |
| 15/10/2018 | 20:15 | 1.3 | E | 16/10/2018 | 03:10 | 2 | ESE | 16/10/2018 | 10:05 | 2 | W |
| 15/10/2018 | 20:20 | 1.3 | WSW | 16/10/2018 | 03:15 | 8 | ESE | 16/10/2018 | 10:10 | 8 | ESE |
| 15/10/2018 | 20:25 | 0.4 | ESE | 16/10/2018 | 03:20 | 7 | SSE | 16/10/2018 | 10:15 | 1 | NNW |
| 15/10/2018 | 20:30 | 0.4 | S | 16/10/2018 | 03:25 | 11 | SSE | 16/10/2018 | 10:20 | 0 | WNW |
| 15/10/2018 | 20:35 | 0.4 | SE | 16/10/2018 | 03:30 | 19 | SSE | 16/10/2018 | 10:25 | 2 | SE |
| 15/10/2018 | 20:40 | 2.2 | WNW | 16/10/2018 | 03:35 | 13 | SSE | 16/10/2018 | 10:30 | 8 | SE |
| 15/10/2018 | 20:45 | 1.8 | WNW | 16/10/2018 | 03:40 | 17 | SSE | 16/10/2018 | 10:35 | 15 | SSE |
| 15/10/2018 | 20:50 | 1.3 | NNE | 16/10/2018 | 03:45 | 4 | SE | 16/10/2018 | 10:40 | 17 | SSE |
| 15/10/2018 | 20:55 | 1.8 | NNW | 16/10/2018 | 03:50 | 7 | ESE | 16/10/2018 | 10:45 | 6 | SE |
| 15/10/2018 | 21:00 | 2.7 | W | 16/10/2018 | 03:55 | 4 | SSE | 16/10/2018 | 10:50 | 6 | ESE |
| 15/10/2018 | 21:05 | 0.4 | SE | 16/10/2018 | 04:00 | 17 | SSE | 16/10/2018 | 10:55 | 14 | SSE |
| 15/10/2018 | 21:10 | 1.3 | SW | 16/10/2018 | 04:05 | 8 | SE | 16/10/2018 | 11:00 | 8 | SSE |
| 15/10/2018 | 21:15 | 0.9 | E | 16/10/2018 | 04:10 | 6 | SE | 16/10/2018 | 11:05 | 2 | WNW |
| 15/10/2018 | 21:20 | 2.7 | W | 16/10/2018 | 04:15 | 6 | ESE | 16/10/2018 | 11:10 | 2 | W |
| 15/10/2018 | 21:25 | 3.1 | SW | 16/10/2018 | 04:20 | 19 | SSE | 16/10/2018 | 11:15 | 9 | SSE |
| 15/10/2018 | 21:30 | 0.9 | WSW | 16/10/2018 | 04:25 | 13 | SSE | 16/10/2018 | 11:20 | 13 | SSE |
| 15/10/2018 | 21:35 | 1.8 | N | 16/10/2018 | 04:30 | 6 | ESE | 16/10/2018 | 11:25 | 6 | SE |
| 15/10/2018 | 21:40 | 0.4 | SE | 16/10/2018 | 04:35 | 6 | ESE | 16/10/2018 | 11:30 | 15 | SSE |
| 15/10/2018 | 21:45 | 1.3 | ENE | 16/10/2018 | 04:40 | 8 | SSE | 16/10/2018 | 11:35 | 8 | SE |
| 15/10/2018 | 21:50 | 1.3 | NNE | 16/10/2018 | 04:45 | 15 | SSE | 16/10/2018 | 11:40 | 14 | SSE |
| 15/10/2018 | 21:55 | 2.7 | W | 16/10/2018 | 04:50 | 6 | E | 16/10/2018 | 11:45 | 0 | --- |
| 15/10/2018 | 22:00 | 1.3 | E | 16/10/2018 | 04:55 | 7 | SSE | 16/10/2018 | 11:50 | 4 | E |
| 15/10/2018 | 22:05 | 1.3 | WNW | 16/10/2018 | 05:00 | 2 | SSW | 16/10/2018 | 11:55 | 4 | SE |
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| 15/10/2018 | 22:30 | 2.2 | W | 16/10/2018 | 05:25 | 2 | WNW | 16/10/2018 | 12:20 | 7 | SSE |
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| 15/10/2018 | 22:40 | 0.9 | SSW | 16/10/2018 | 05:35 | 12 | SSE | 16/10/2018 | 12:30 | 17 | SSE |
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| 15/10/2018 | 23:10 | 0.4 | SE | 16/10/2018 | 06:05 | 6 | ESE | 16/10/2018 | 13:00 | 13 | S |
| 15/10/2018 | 23:15 | 1.3 | E | 16/10/2018 | 06:10 | 7 | SE | 16/10/2018 | 13:05 | 10 | ESE |
| 15/10/2018 | 23:20 | 2.7 | WNW | 16/10/2018 | 06:15 | 9 | ESE | 16/10/2018 | 13:10 | 5 | ESE |
| 15/10/2018 | 23:25 | 1.8 | N | 16/10/2018 | 06:20 | 8 | SSE | 16/10/2018 | 13:15 | 6 | SE |
| 15/10/2018 | 23:30 | 0.4 | S | 16/10/2018 | 06:25 | 9 | SSE | 16/10/2018 | 13:20 | 8 | SE |
| 15/10/2018 | 23:35 | 0.4 | SSW | 16/10/2018 | 06:30 | 9 | SE | 16/10/2018 | 13:25 | 8 | SE |
| 15/10/2018 | 23:40 | 0.4 | WSW | 16/10/2018 | 06:35 | 9 | ESE | 16/10/2018 | 13:30 | 8 | ESE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16/10/2018 | 13:35 | 5 | SE | 16/10/2018 | 20:30 | 16 | SSE | 17/10/2018 | 03:25 | 7 | SSE |
| 16/10/2018 | 13:40 | 9 | ESE | 16/10/2018 | 20:35 | 12 | SSE | 17/10/2018 | 03:30 | 7 | SE |
| 16/10/2018 | 13:45 | 11 | SSE | 16/10/2018 | 20:40 | 7 | E | 17/10/2018 | 03:35 | 6 | SSE |
| 16/10/2018 | 13:50 | 13 | SSE | 16/10/2018 | 20:45 | 7 | SE | 17/10/2018 | 03:40 | 7 | SE |
| 16/10/2018 | 13:55 | 13 | SSE | 16/10/2018 | 20:50 | 9 | SSE | 17/10/2018 | 03:45 | 5 | SE |
| 16/10/2018 | 14:00 | 1 | SSW | 16/10/2018 | 20:55 | 8 | ESE | 17/10/2018 | 03:50 | 11 | SSE |
| 16/10/2018 | 14:05 | 6 | SE | 16/10/2018 | 21:00 | 18 | SSE | 17/10/2018 | 03:55 | 14 | SSE |
| 16/10/2018 | 14:10 | 0 | --- | 16/10/2018 | 21:05 | 0 | --- | 17/10/2018 | 04:00 | 11 | SE |
| 16/10/2018 | 14:15 | 15 | SSE | 16/10/2018 | 21:10 | 5 | E | 17/10/2018 | 04:05 | 4 | S |
| 16/10/2018 | 14:20 | 5 | SE | 16/10/2018 | 21:15 | 1 | SSE | 17/10/2018 | 04:10 | 23 | SSE |
| 16/10/2018 | 14:25 | 16 | SSE | 16/10/2018 | 21:20 | 4 | SE | 17/10/2018 | 04:15 | 9 | W |
| 16/10/2018 | 14:30 | 9 | ESE | 16/10/2018 | 21:25 | 13 | SSE | 17/10/2018 | 04:20 | 6 | SE |
| 16/10/2018 | 14:35 | 17 | SSE | 16/10/2018 | 21:30 | 0 | --- | 17/10/2018 | 04:25 | 4 | SSE |
| 16/10/2018 | 14:40 | 3 | ESE | 16/10/2018 | 21:35 | 0 | --- | 17/10/2018 | 04:30 | 11 | SE |
| 16/10/2018 | 14:45 | 15 | SSE | 16/10/2018 | 21:40 | 8 | SE | 17/10/2018 | 04:35 | 9 | E |
| 16/10/2018 | 14:50 | 6 | SE | 16/10/2018 | 21:45 | 5 | E | 17/10/2018 | 04:40 | 10 | SSE |
| 16/10/2018 | 14:55 | 5 | SE | 16/10/2018 | 21:50 | 8 | SE | 17/10/2018 | 04:45 | 6 | SE |
| 16/10/2018 | 15:00 | 18 | SSE | 16/10/2018 | 21:55 | 14 | SSE | 17/10/2018 | 04:50 | 5 | SW |
| 16/10/2018 | 15:05 | 12 | SSE | 16/10/2018 | 22:00 | 17 | SSE | 17/10/2018 | 04:55 | 11 | SE |
| 16/10/2018 | 15:10 | 15 | SSE | 16/10/2018 | 22:05 | 6 | SE | 17/10/2018 | 05:00 | 17 | SSE |
| 16/10/2018 | 15:15 | 7 | SE | 16/10/2018 | 22:10 | 16 | SSE | 17/10/2018 | 05:05 | 14 | SSE |
| 16/10/2018 | 15:20 | 8 | SE | 16/10/2018 | 22:15 | 16 | SSE | 17/10/2018 | 05:10 | 8 | SE |
| 16/10/2018 | 15:25 | 5 | E | 16/10/2018 | 22:20 | 15 | SSE | 17/10/2018 | 05:15 | 3 | SSE |
| 16/10/2018 | 15:30 | 10 | SE | 16/10/2018 | 22:25 | 8 | ESE | 17/10/2018 | 05:20 | 7 | SE |
| 16/10/2018 | 15:35 | 4 | SSE | 16/10/2018 | 22:30 | 10 | SSE | 17/10/2018 | 05:25 | 5 | SSW |
| 16/10/2018 | 15:40 | 6 | SE | 16/10/2018 | 22:35 | 17 | SSE | 17/10/2018 | 05:30 | 4 | N |
| 16/10/2018 | 15:45 | 11 | SSE | 16/10/2018 | 22:40 | 15 | SSE | 17/10/2018 | 05:35 | 6 | SE |
| 16/10/2018 | 15:50 | 15 | SSE | 16/10/2018 | 22:45 | 7 | ESE | 17/10/2018 | 05:40 | 6 | NE |
| 16/10/2018 | 15:55 | 13 | SSE | 16/10/2018 | 22:50 | 4 | SSE | 17/10/2018 | 05:45 | 8 | SE |
| 16/10/2018 | 16:00 | 7 | SSE | 16/10/2018 | 22:55 | 5 | E | 17/10/2018 | 05:50 | 20 | SSE |
| 16/10/2018 | 16:05 | 11 | SSE | 16/10/2018 | 23:00 | 0 | --- | 17/10/2018 | 05:55 | 6 | SE |
| 16/10/2018 | 16:10 | 12 | SE | 16/10/2018 | 23:05 | 15 | SSE | 17/10/2018 | 06:00 | 11 | SSE |
| 16/10/2018 | 16:15 | 0 | --- | 16/10/2018 | 23:10 | 9 | SSE | 17/10/2018 | 06:05 | 6 | SSE |
| 16/10/2018 | 16:20 | 1 | W | 16/10/2018 | 23:15 | 0 | W | 17/10/2018 | 06:10 | 20 | SE |
| 16/10/2018 | 16:25 | 6 | ESE | 16/10/2018 | 23:20 | 4 | ESE | 17/10/2018 | 06:15 | 8 | SSE |
| 16/10/2018 | 16:30 | 13 | SE | 16/10/2018 | 23:25 | 10 | SSE | 17/10/2018 | 06:20 | 5 | SW |
| 16/10/2018 | 16:35 | 15 | SSE | 16/10/2018 | 23:30 | 5 | SSE | 17/10/2018 | 06:25 | 7 | WSW |
| 16/10/2018 | 16:40 | 7 | SSE | 16/10/2018 | 23:35 | 14 | SSE | 17/10/2018 | 06:30 | 9 | SE |
| 16/10/2018 | 16:45 | 8 | SSE | 16/10/2018 | 23:40 | 18 | SSE | 17/10/2018 | 06:35 | 7 | S |
| 16/10/2018 | 16:50 | 7 | ESE | 16/10/2018 | 23:45 | 6 | SSE | 17/10/2018 | 06:40 | 10 | SSE |
| 16/10/2018 | 16:55 | 15 | SSE | 16/10/2018 | 23:50 | 0 | NNW | 17/10/2018 | 06:45 | 6 | S |
| 16/10/2018 | 17:00 | 6 | SSE | 16/10/2018 | 23:55 | 13 | SE | 17/10/2018 | 06:50 | 24 | SSE |
| 16/10/2018 | 17:05 | 11 | SE | 17/10/2018 | 00:00 | 9 | SSE | 17/10/2018 | 06:55 | 8 | SSE |
| 16/10/2018 | 17:10 | 0 | --- | 17/10/2018 | 00:05 | 3 | SE | 17/10/2018 | 07:00 | 7 | SSE |
| 16/10/2018 | 17:15 | 6 | ESE | 17/10/2018 | 00:10 | 11 | SSE | 17/10/2018 | 07:05 | 9 | SE |
| 16/10/2018 | 17:20 | 5 | ESE | 17/10/2018 | 00:15 | 3 | ENE | 17/10/2018 | 07:10 | 6 | ESE |
| 16/10/2018 | 17:25 | 0 | ENE | 17/10/2018 | 00:20 | 9 | SSE | 17/10/2018 | 07:15 | 17 | SSE |
| 16/10/2018 | 17:30 | 9 | ESE | 17/10/2018 | 00:25 | 15 | SSE | 17/10/2018 | 07:20 | 5 | SSE |
| 16/10/2018 | 17:35 | 20 | SSE | 17/10/2018 | 00:30 | 15 | SSE | 17/10/2018 | 07:25 | 12 | SE |
| 16/10/2018 | 17:40 | 13 | SSE | 17/10/2018 | 00:35 | 18 | SSE | 17/10/2018 | 07:30 | 8 | SE |
| 16/10/2018 | 17:45 | 18 | SSE | 17/10/2018 | 00:40 | 10 | SSE | 17/10/2018 | 07:35 | 4 | SSE |
| 16/10/2018 | 17:50 | 16 | SSE | 17/10/2018 | 00:45 | 5 | SSE | 17/10/2018 | 07:40 | 8 | SSE |
| 16/10/2018 | 17:55 | 7 | SE | 17/10/2018 | 00:50 | 7 | SSE | 17/10/2018 | 07:45 | 18 | SSE |
| 16/10/2018 | 18:00 | 12 | SSE | 17/10/2018 | 00:55 | 7 | E | 17/10/2018 | 07:50 | 5 | ESE |
| 16/10/2018 | 18:05 | 20 | SSE | 17/10/2018 | 01:00 | 10 | SSE | 17/10/2018 | 07:55 | 6 | E |
| 16/10/2018 | 18:10 | 2 | S | 17/10/2018 | 01:05 | 6 | S | 17/10/2018 | 08:00 | 14 | SSE |
| 16/10/2018 | 18:15 | 10 | SSE | 17/10/2018 | 01:10 | 21 | SSE | 17/10/2018 | 08:05 | 6 | S |
| 16/10/2018 | 18:20 | 14 | SSE | 17/10/2018 | 01:15 | 9 | S | 17/10/2018 | 08:10 | 5 | ESE |
| 16/10/2018 | 18:25 | 9 | SSE | 17/10/2018 | 01:20 | 8 | SE | 17/10/2018 | 08:15 | 8 | SE |
| 16/10/2018 | 18:30 | 15 | SSE | 17/10/2018 | 01:25 | 8 | SSE | 17/10/2018 | 08:20 | 7 | S |
| 16/10/2018 | 18:35 | 7 | SSE | 17/10/2018 | 01:30 | 13 | SSE | 17/10/2018 | 08:25 | 9 | ESE |
| 16/10/2018 | 18:40 | 0 | --- | 17/10/2018 | 01:35 | 5 | E | 17/10/2018 | 08:30 | 8 | SSE |
| 16/10/2018 | 18:45 | 1 | WNW | 17/10/2018 | 01:40 | 14 | SE | 17/10/2018 | 08:35 | 4 | WSW |
| 16/10/2018 | 18:50 | 7 | ESE | 17/10/2018 | 01:45 | 16 | SSE | 17/10/2018 | 08:40 | 6 | SSE |
| 16/10/2018 | 18:55 | 3 | ESE | 17/10/2018 | 01:50 | 20 | SE | 17/10/2018 | 08:45 | 11 | SSW |
| 16/10/2018 | 19:00 | 7 | SE | 17/10/2018 | 01:55 | 7 | SSE | 17/10/2018 | 08:50 | 14 | SSE |
| 16/10/2018 | 19:05 | 12 | SSE | 17/10/2018 | 02:00 | 8 | SSE | 17/10/2018 | 08:55 | 9 | SSE |
| 16/10/2018 | 19:10 | 0 | WNW | 17/10/2018 | 02:05 | 7 | SSE | 17/10/2018 | 09:00 | 8 | SSE |
| 16/10/2018 | 19:15 | 4 | SSE | 17/10/2018 | 02:10 | 6 | SE | 17/10/2018 | 09:05 | 7 | ESE |
| 16/10/2018 | 19:20 | 3 | ESE | 17/10/2018 | 02:15 | 7 | SSE | 17/10/2018 | 09:10 | 8 | ESE |
| 16/10/2018 | 19:25 | 8 | ESE | 17/10/2018 | 02:20 | 11 | SSE | 17/10/2018 | 09:15 | 8 | SE |
| 16/10/2018 | 19:30 | 9 | ESE | 17/10/2018 | 02:25 | 15 | SSE | 17/10/2018 | 09:20 | 8 | SSE |
| 16/10/2018 | 19:35 | 0 | --- | 17/10/2018 | 02:30 | 5 | SE | 17/10/2018 | 09:25 | 7 | SSE |
| 16/10/2018 | 19:40 | 4 | SE | 17/10/2018 | 02:35 | 4 | SE | 17/10/2018 | 09:30 | 8 | SSE |
| 16/10/2018 | 19:45 | 5 | ESE | 17/10/2018 | 02:40 | 3 | NE | 17/10/2018 | 09:35 | 5 | SE |
| 16/10/2018 | 19:50 | 7 | SE | 17/10/2018 | 02:45 | 6 | SE | 17/10/2018 | 09:40 | 8 | ESE |
| 16/10/2018 | 19:55 | 14 | SSE | 17/10/2018 | 02:50 | 8 | SW | 17/10/2018 | 09:45 | 10 | SE |
| 16/10/2018 | 20:00 | 7 | SE | 17/10/2018 | 02:55 | 6 | S | 17/10/2018 | 09:50 | 18 | SSE |
| 16/10/2018 | 20:05 | 6 | SSE | 17/10/2018 | 03:00 | 5 | S | 17/10/2018 | 09:55 | 2 | NW |
| 16/10/2018 | 20:10 | 6 | ESE | 17/10/2018 | 03:05 | 4 | ESE | 17/10/2018 | 10:00 | 16 | SE |
| 16/10/2018 | 20:15 | 3 | WNW | 17/10/2018 | 03:10 | 8 | SE | 17/10/2018 | 10:05 | 3 | NNE |
| 16/10/2018 | 20:20 | 9 | SE | 17/10/2018 | 03:15 | 20 | SSE | 17/10/2018 | 10:10 | 14 | SE |
| 16/10/2018 | 20:25 | 7 | ESE | 17/10/2018 | 03:20 | 15 | SSE | 17/10/2018 | 10:15 | 7 | SSE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17/10/2018 | 10:20 | 10 | SE | 17/10/2018 | 17:15 | 4 | SSE | 18/10/2018 | 00:10 | 0.4 | WSW |
| 17/10/2018 | 10:25 | 5 | S | 17/10/2018 | 17:20 | 11 | SSE | 18/10/2018 | 00:15 | 1.3 | SW |
| 17/10/2018 | 10:30 | 18 | SE | 17/10/2018 | 17:25 | 7 | ESE | 18/10/2018 | 00:20 | 1.8 | NE |
| 17/10/2018 | 10:35 | 16 | SSE | 17/10/2018 | 17:30 | 7 | SE | 18/10/2018 | 00:25 | 2.7 | WSW |
| 17/10/2018 | 10:40 | 6 | SSE | 17/10/2018 | 17:35 | 5 | WSW | 18/10/2018 | 00:30 | 0.4 | NNE |
| 17/10/2018 | 10:45 | 8 | SSE | 17/10/2018 | 17:40 | 13 | SSE | 18/10/2018 | 00:35 | 0.4 | WSW |
| 17/10/2018 | 10:50 | 7 | SSE | 17/10/2018 | 17:45 | 19 | SE | 18/10/2018 | 00:40 | 1.3 | N |
| 17/10/2018 | 10:55 | 13 | SSW | 17/10/2018 | 17:50 | 11 | SSW | 18/10/2018 | 00:45 | 0.9 | NNE |
| 17/10/2018 | 11:00 | 9 | SSE | 17/10/2018 | 17:55 | 7 | SE | 18/10/2018 | 00:50 | 1.3 | N |
| 17/10/2018 | 11:05 | 15 | SSE | 17/10/2018 | 18:00 | 11 | SSE | 18/10/2018 | 00:55 | 0.4 | NW |
| 17/10/2018 | 11:10 | 9 | SE | 17/10/2018 | 18:05 | 15 | SSE | 18/10/2018 | 01:00 | 0.4 | NW |
| 17/10/2018 | 11:15 | 16 | SSE | 17/10/2018 | 18:10 | 9 | ESE | 18/10/2018 | 01:05 | 1.3 | NE |
| 17/10/2018 | 11:20 | 6 | SW | 17/10/2018 | 18:15 | 20 | SSE | 18/10/2018 | 01:10 | 2.7 | W |
| 17/10/2018 | 11:25 | 7 | S | 17/10/2018 | 18:20 | 7 | SSE | 18/10/2018 | 01:15 | 0.4 | NNE |
| 17/10/2018 | 11:30 | 8 | SE | 17/10/2018 | 18:25 | 7 | SSE | 18/10/2018 | 01:20 | 3.1 | WSW |
| 17/10/2018 | 11:35 | 9 | SSE | 17/10/2018 | 18:30 | 13 | SSE | 18/10/2018 | 01:25 | 2.7 | W |
| 17/10/2018 | 11:40 | 12 | SSE | 17/10/2018 | 18:35 | 4 | SSW | 18/10/2018 | 01:30 | 1.8 | W |
| 17/10/2018 | 11:45 | 20 | SSE | 17/10/2018 | 18:40 | 14 | SSE | 18/10/2018 | 01:35 | 0.4 | WSW |
| 17/10/2018 | 11:50 | 9 | SSE | 17/10/2018 | 18:45 | 19 | SSE | 18/10/2018 | 01:40 | 0.4 | WSW |
| 17/10/2018 | 11:55 | 7 | SSE | 17/10/2018 | 18:50 | 9 | SE | 18/10/2018 | 01:45 | 0.4 | WNW |
| 17/10/2018 | 12:00 | 11 | SE | 17/10/2018 | 18:55 | 9 | SE | 18/10/2018 | 01:50 | 0.4 | SW |
| 17/10/2018 | 12:05 | 17 | SSE | 17/10/2018 | 19:00 | 6 | SE | 18/10/2018 | 01:55 | 2.7 | W |
| 17/10/2018 | 12:10 | 7 | SE | 17/10/2018 | 19:05 | 6 | S | 18/10/2018 | 02:00 | 2.7 | WSW |
| 17/10/2018 | 12:15 | 12 | SE | 17/10/2018 | 19:10 | 4 | ENE | 18/10/2018 | 02:05 | 0.9 | NNW |
| 17/10/2018 | 12:20 | 20 | SSE | 17/10/2018 | 19:15 | 9 | SE | 18/10/2018 | 02:10 | 1.8 | WSW |
| 17/10/2018 | 12:25 | 16 | SSE | 17/10/2018 | 19:20 | 4 | SE | 18/10/2018 | 02:15 | 0.4 | NNE |
| 17/10/2018 | 12:30 | 6 | S | 17/10/2018 | 19:25 | 6 | S | 18/10/2018 | 02:20 | 0.4 | E |
| 17/10/2018 | 12:35 | 7 | S | 17/10/2018 | 19:30 | 10 | SSE | 18/10/2018 | 02:25 | 0.9 | WSW |
| 17/10/2018 | 12:40 | 13 | SSE | 17/10/2018 | 19:35 | 8 | SSE | 18/10/2018 | 02:30 | 1.3 | W |
| 17/10/2018 | 12:45 | 7 | SW | 17/10/2018 | 19:40 | 8 | SW | 18/10/2018 | 02:35 | 0.9 | NE |
| 17/10/2018 | 12:50 | 7 | SE | 17/10/2018 | 19:45 | 5 | E | 18/10/2018 | 02:40 | 1.3 | NE |
| 17/10/2018 | 12:55 | 11 | SE | 17/10/2018 | 19:50 | 14 | SSE | 18/10/2018 | 02:45 | 0.9 | ENE |
| 17/10/2018 | 13:00 | 13 | SSE | 17/10/2018 | 19:55 | 5 | ESE | 18/10/2018 | 02:50 | 0.4 | NNE |
| 17/10/2018 | 13:05 | 9 | SE | 17/10/2018 | 20:00 | 15 | SSE | 18/10/2018 | 02:55 | 1.8 | NE |
| 17/10/2018 | 13:10 | 9 | SE | 17/10/2018 | 20:05 | 8 | SSW | 18/10/2018 | 03:00 | 1.8 | W |
| 17/10/2018 | 13:15 | 3 | S | 17/10/2018 | 20:10 | 6 | SSE | 18/10/2018 | 03:05 | 0.9 | WSW |
| 17/10/2018 | 13:20 | 19 | SSE | 17/10/2018 | 20:15 | 5 | SE | 18/10/2018 | 03:10 | 1.3 | ENE |
| 17/10/2018 | 13:25 | 6 | E | 17/10/2018 | 20:20 | 15 | SSE | 18/10/2018 | 03:15 | 0.9 | NE |
| 17/10/2018 | 13:30 | 10 | SSE | 17/10/2018 | 20:25 | 10 | SSE | 18/10/2018 | 03:20 | 1.8 | WSW |
| 17/10/2018 | 13:35 | 10 | SE | 17/10/2018 | 20:30 | 9 | SSE | 18/10/2018 | 03:25 | 0.4 | ENE |
| 17/10/2018 | 13:40 | 10 | SE | 17/10/2018 | 20:35 | 3 | ENE | 18/10/2018 | 03:30 | 3.1 | WSW |
| 17/10/2018 | 13:45 | 8 | SSE | 17/10/2018 | 20:40 | 8 | SSE | 18/10/2018 | 03:35 | 1.3 | W |
| 17/10/2018 | 13:50 | 7 | SE | 17/10/2018 | 20:45 | 6 | SE | 18/10/2018 | 03:40 | 1.3 | ENE |
| 17/10/2018 | 13:55 | 8 | SSE | 17/10/2018 | 20:50 | 9 | SE | 18/10/2018 | 03:45 | 0.4 | WSW |
| 17/10/2018 | 14:00 | 7 | SSE | 17/10/2018 | 20:55 | 9 | SE | 18/10/2018 | 03:50 | 0.9 | WSW |
| 17/10/2018 | 14:05 | 3 | SSW | 17/10/2018 | 21:00 | 21 | SE | 18/10/2018 | 03:55 | 0.9 | NNE |
| 17/10/2018 | 14:10 | 9 | SSE | 17/10/2018 | 21:05 | 11 | SE | 18/10/2018 | 04:00 | 0.4 | NNE |
| 17/10/2018 | 14:15 | 4 | S | 17/10/2018 | 21:10 | 8 | S | 18/10/2018 | 04:05 | 1.3 | W |
| 17/10/2018 | 14:20 | 9 | SSE | 17/10/2018 | 21:15 | 7 | ESE | 18/10/2018 | 04:10 | 1.8 | W |
| 17/10/2018 | 14:25 | 6 | WSW | 17/10/2018 | 21:20 | 8 | SSE | 18/10/2018 | 04:15 | 0.9 | WSW |
| 17/10/2018 | 14:30 | 8 | S | 17/10/2018 | 21:25 | 18 | SE | 18/10/2018 | 04:20 | 0.9 | NNE |
| 17/10/2018 | 14:35 | 12 | SE | 17/10/2018 | 21:30 | 5 | SSE | 18/10/2018 | 04:25 | 0.9 | WNW |
| 17/10/2018 | 14:40 | 7 | W | 17/10/2018 | 21:35 | 9 | SE | 18/10/2018 | 04:30 | 2.2 | W |
| 17/10/2018 | 14:45 | 5 | SSE | 17/10/2018 | 21:40 | 14 | SSE | 18/10/2018 | 04:35 | 0.9 | NNE |
| 17/10/2018 | 14:50 | 3 | SSW | 17/10/2018 | 21:45 | 6 | SSE | 18/10/2018 | 04:40 | 2.2 | WSW |
| 17/10/2018 | 14:55 | 15 | SSE | 17/10/2018 | 21:50 | 4 | SSE | 18/10/2018 | 04:45 | 0.4 | N |
| 17/10/2018 | 15:00 | 16 | SSE | 17/10/2018 | 21:55 | 11 | SSE | 18/10/2018 | 04:50 | 2.2 | W |
| 17/10/2018 | 15:05 | 5 | WNW | 17/10/2018 | 22:00 | 14 | SSE | 18/10/2018 | 04:55 | 2.2 | NE |
| 17/10/2018 | 15:10 | 5 | SE | 17/10/2018 | 22:05 | 8 | SE | 18/10/2018 | 05:00 | 0.9 | WSW |
| 17/10/2018 | 15:15 | 20 | SSE | 17/10/2018 | 22:10 | 12 | SSE | 18/10/2018 | 05:05 | 2.2 | WSW |
| 17/10/2018 | 15:20 | 6 | SSE | 17/10/2018 | 22:15 | 7 | ESE | 18/10/2018 | 05:10 | 3.1 | NE |
| 17/10/2018 | 15:25 | 7 | SSE | 17/10/2018 | 22:20 | 4 | ESE | 18/10/2018 | 05:15 | 0.9 | NNW |
| 17/10/2018 | 15:30 | 9 | SE | 17/10/2018 | 22:25 | 8 | SSE | 18/10/2018 | 05:20 | 2.7 | SW |
| 17/10/2018 | 15:35 | 19 | SSE | 17/10/2018 | 22:30 | 12 | SE | 18/10/2018 | 05:25 | 0.9 | NE |
| 17/10/2018 | 15:40 | 7 | SSW | 17/10/2018 | 22:35 | 7 | SSE | 18/10/2018 | 05:30 | 0.4 | NNE |
| 17/10/2018 | 15:45 | 7 | ESE | 17/10/2018 | 22:40 | 7 | SSE | 18/10/2018 | 05:35 | 0.4 | NNE |
| 17/10/2018 | 15:50 | 7 | E | 17/10/2018 | 22:45 | 8 | ESE | 18/10/2018 | 05:40 | 0.4 | WSW |
| 17/10/2018 | 15:55 | 18 | SSE | 17/10/2018 | 22:50 | 10 | SE | 18/10/2018 | 05:45 | 0.9 | WSW |
| 17/10/2018 | 16:00 | 4 | SSW | 17/10/2018 | 22:55 | 8 | SSE | 18/10/2018 | 05:50 | 0.9 | WSW |
| 17/10/2018 | 16:05 | 12 | SSE | 17/10/2018 | 23:00 | 10 | SSE | 18/10/2018 | 05:55 | 1.3 | SW |
| 17/10/2018 | 16:10 | 11 | ESE | 17/10/2018 | 23:05 | 7 | S | 18/10/2018 | 06:00 | 1.3 | SW |
| 17/10/2018 | 16:15 | 4 | SW | 17/10/2018 | 23:10 | 13 | SSE | 18/10/2018 | 06:05 | 2.2 | W |
| 17/10/2018 | 16:20 | 7 | NNW | 17/10/2018 | 23:15 | 5 | SSE | 18/10/2018 | 06:10 | 1.3 | NE |
| 17/10/2018 | 16:25 | 6 | SE | 17/10/2018 | 23:20 | 6 | S | 18/10/2018 | 06:15 | 0.9 | NE |
| 17/10/2018 | 16:30 | 8 | SW | 17/10/2018 | 23:25 | 19 | SSE | 18/10/2018 | 06:20 | 0.9 | WNW |
| 17/10/2018 | 16:35 | 6 | SE | 17/10/2018 | 23:30 | 6 | SE | 18/10/2018 | 06:25 | 0.9 | WSW |
| 17/10/2018 | 16:40 | 5 | SE | 17/10/2018 | 23:35 | 14 | SE | 18/10/2018 | 06:30 | 2.2 | WSW |
| 17/10/2018 | 16:45 | 17 | SSE | 17/10/2018 | 23:40 | 6 | SSE | 18/10/2018 | 06:35 | 0.4 | WSW |
| 17/10/2018 | 16:50 | 10 | SSE | 17/10/2018 | 23:45 | 17 | SSE | 18/10/2018 | 06:40 | 1.3 | N |
| 17/10/2018 | 16:55 | 5 | NE | 17/10/2018 | 23:50 | 7 | SW | 18/10/2018 | 06:45 | 0.4 | NNE |
| 17/10/2018 | 17:00 | 6 | SSE | 17/10/2018 | 23:55 | 7 | SE | 18/10/2018 | 06:50 | 3.1 | WSW |
| 17/10/2018 | 17:05 | 19 | SSE | 18/10/2018 | 00:00 | 19 | SSE | 18/10/2018 | 06:55 | 2.7 | WSW |
| 17/10/2018 | 17:10 | 18 | SE | 18/10/2018 | 00:05 | 2.7 | NE | 18/10/2018 | 07:00 | 1.3 | SW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 18/10/2018 | 07:05 | 0.4 | WSW | 18/10/2018 | 14:00 | 0.9 | NNE | 18/10/2018 | 20:55 | 2.2 | W |
| 18/10/2018 | 07:10 | 0.4 | NNE | 18/10/2018 | 14:05 | 0.9 | NNW | 18/10/2018 | 21:00 | 2.2 | W |
| 18/10/2018 | 07:15 | 2.2 | WSW | 18/10/2018 | 14:10 | 3.1 | WSW | 18/10/2018 | 21:05 | 3.1 | SW |
| 18/10/2018 | 07:20 | 1.3 | N | 18/10/2018 | 14:15 | 1.3 | NE | 18/10/2018 | 21:10 | 0.9 | WSW |
| 18/10/2018 | 07:25 | 0.9 | NE | 18/10/2018 | 14:20 | 0.9 | NNE | 18/10/2018 | 21:15 | 1.8 | W |
| 18/10/2018 | 07:30 | 0.9 | WSW | 18/10/2018 | 14:25 | 0.9 | WSW | 18/10/2018 | 21:20 | 0.9 | NNE |
| 18/10/2018 | 07:35 | 0.4 | SW | 18/10/2018 | 14:30 | 2.7 | WSW | 18/10/2018 | 21:25 | 0.4 | SW |
| 18/10/2018 | 07:40 | 0.4 | N | 18/10/2018 | 14:35 | 1.8 | NE | 18/10/2018 | 21:30 | 1.3 | NNE |
| 18/10/2018 | 07:45 | 0.4 | NNE | 18/10/2018 | 14:40 | 1.8 | W | 18/10/2018 | 21:35 | 0.4 | WSW |
| 18/10/2018 | 07:50 | 0.4 | NW | 18/10/2018 | 14:45 | 3.1 | WSW | 18/10/2018 | 21:40 | 1.3 | ENE |
| 18/10/2018 | 07:55 | 0.9 | WSW | 18/10/2018 | 14:50 | 0.4 | NNE | 18/10/2018 | 21:45 | 0.4 | NNE |
| 18/10/2018 | 08:00 | 1.3 | N | 18/10/2018 | 14:55 | 0.4 | NW | 18/10/2018 | 21:50 | 0.9 | NNE |
| 18/10/2018 | 08:05 | 2.7 | WSW | 18/10/2018 | 15:00 | 0.4 | ENE | 18/10/2018 | 21:55 | 1.3 | SW |
| 18/10/2018 | 08:10 | 0.4 | NNE | 18/10/2018 | 15:05 | 0.4 | NNE | 18/10/2018 | 22:00 | 2.2 | NE |
| 18/10/2018 | 08:15 | 1.8 | WSW | 18/10/2018 | 15:10 | 2.7 | W | 18/10/2018 | 22:05 | 2.2 | WSW |
| 18/10/2018 | 08:20 | 0.4 | NNE | 18/10/2018 | 15:15 | 2.2 | W | 18/10/2018 | 22:10 | 0.4 | NNE |
| 18/10/2018 | 08:25 | 0.4 | NW | 18/10/2018 | 15:20 | 0.4 | NW | 18/10/2018 | 22:15 | 1.8 | WNW |
| 18/10/2018 | 08:30 | 0.9 | WSW | 18/10/2018 | 15:25 | 0.4 | ENE | 18/10/2018 | 22:20 | 3.6 | WSW |
| 18/10/2018 | 08:35 | 0.9 | NNW | 18/10/2018 | 15:30 | 3.1 | W | 18/10/2018 | 22:25 | 1.3 | N |
| 18/10/2018 | 08:40 | 0.9 | NE | 18/10/2018 | 15:35 | 1.3 | N | 18/10/2018 | 22:30 | 1.8 | W |
| 18/10/2018 | 08:45 | 1.3 | N | 18/10/2018 | 15:40 | 0.9 | NE | 18/10/2018 | 22:35 | 2.7 | WSW |
| 18/10/2018 | 08:50 | 0.4 | E | 18/10/2018 | 15:45 | 3.1 | WSW | 18/10/2018 | 22:40 | 0.9 | ENE |
| 18/10/2018 | 08:55 | 0.9 | WSW | 18/10/2018 | 15:50 | 3.1 | NE | 18/10/2018 | 22:45 | 2.2 | W |
| 18/10/2018 | 09:00 | 3.1 | W | 18/10/2018 | 15:55 | 0.4 | ENE | 18/10/2018 | 22:50 | 0.9 | NE |
| 18/10/2018 | 09:05 | 1.3 | N | 18/10/2018 | 16:00 | 1.3 | W | 18/10/2018 | 22:55 | 2.7 | WSW |
| 18/10/2018 | 09:10 | 0.4 | NNE | 18/10/2018 | 16:05 | 3.1 | SW | 18/10/2018 | 23:00 | 0.4 | NNE |
| 18/10/2018 | 09:15 | 3.1 | WSW | 18/10/2018 | 16:10 | 0.9 | WSW | 18/10/2018 | 23:05 | 0.9 | WSW |
| 18/10/2018 | 09:20 | 1.3 | WNW | 18/10/2018 | 16:15 | 0.9 | WSW | 18/10/2018 | 23:10 | 0.9 | WNW |
| 18/10/2018 | 09:25 | 2.2 | W | 18/10/2018 | 16:20 | 0.9 | WSW | 18/10/2018 | 23:15 | 1.8 | NE |
| 18/10/2018 | 09:30 | 1.3 | NNE | 18/10/2018 | 16:25 | 0.9 | WSW | 18/10/2018 | 23:20 | 2.7 | W |
| 18/10/2018 | 09:35 | 1.3 | N | 18/10/2018 | 16:30 | 0.4 | NNE | 18/10/2018 | 23:25 | 1.3 | N |
| 18/10/2018 | 09:40 | 0.9 | NE | 18/10/2018 | 16:35 | 2.2 | NE | 18/10/2018 | 23:30 | 0.4 | WNW |
| 18/10/2018 | 09:45 | 0.4 | SSW | 18/10/2018 | 16:40 | 1.3 | NE | 18/10/2018 | 23:35 | 1.8 | WSW |
| 18/10/2018 | 09:50 | 0.9 | NNW | 18/10/2018 | 16:45 | 2.2 | W | 18/10/2018 | 23:40 | 0.9 | NE |
| 18/10/2018 | 09:55 | 2.7 | W | 18/10/2018 | 16:50 | 0.4 | NNE | 18/10/2018 | 23:45 | 0.4 | E |
| 18/10/2018 | 10:00 | 0.4 | NNE | 18/10/2018 | 16:55 | 1.3 | ENE | 18/10/2018 | 23:50 | 0.4 | WSW |
| 18/10/2018 | 10:05 | 1.3 | NW | 18/10/2018 | 17:00 | 0.9 | NE | 18/10/2018 | 23:55 | 0.4 | NNE |
| 18/10/2018 | 10:10 | 0.4 | NNE | 18/10/2018 | 17:05 | 0.9 | WSW | 19/10/2018 | 00:00 | 2.7 | SW |
| 18/10/2018 | 10:15 | 2.2 | NE | 18/10/2018 | 17:10 | 2.2 | WSW | 19/10/2018 | 00:05 | 1.3 | NE |
| 18/10/2018 | 10:20 | 0.9 | WSW | 18/10/2018 | 17:15 | 0.4 | NE | 19/10/2018 | 00:10 | 2.2 | W |
| 18/10/2018 | 10:25 | 0.4 | NNE | 18/10/2018 | 17:20 | 0.9 | WSW | 19/10/2018 | 00:15 | 2.7 | NNW |
| 18/10/2018 | 10:30 | 2.7 | W | 18/10/2018 | 17:25 | 1.3 | NE | 19/10/2018 | 00:20 | 2.7 | W |
| 18/10/2018 | 10:35 | 2.7 | SW | 18/10/2018 | 17:30 | 0.4 | WSW | 19/10/2018 | 00:25 | 2.7 | W |
| 18/10/2018 | 10:40 | 0.9 | SW | 18/10/2018 | 17:35 | 2.2 | WSW | 19/10/2018 | 00:30 | 2.7 | W |
| 18/10/2018 | 10:45 | 1.3 | SW | 18/10/2018 | 17:40 | 0.4 | NNE | 19/10/2018 | 00:35 | 1.8 | ENE |
| 18/10/2018 | 10:50 | 1.3 | NE | 18/10/2018 | 17:45 | 0.9 | WSW | 19/10/2018 | 00:40 | 1.8 | NE |
| 18/10/2018 | 10:55 | 0.9 | WSW | 18/10/2018 | 17:50 | 2.2 | WSW | 19/10/2018 | 00:45 | 0.9 | WNW |
| 18/10/2018 | 11:00 | 0.9 | SW | 18/10/2018 | 17:55 | 1.8 | NE | 19/10/2018 | 00:50 | 1.3 | E |
| 18/10/2018 | 11:05 | 0.4 | WSW | 18/10/2018 | 18:00 | 1.8 | W | 19/10/2018 | 00:55 | 2.2 | WSW |
| 18/10/2018 | 11:10 | 0.9 | SW | 18/10/2018 | 18:05 | 1.3 | WSW | 19/10/2018 | 01:00 | 1.8 | N |
| 18/10/2018 | 11:15 | 2.2 | WSW | 18/10/2018 | 18:10 | 0.9 | NW | 19/10/2018 | 01:05 | 1.8 | WSW |
| 18/10/2018 | 11:20 | 1.3 | W | 18/10/2018 | 18:15 | 0.4 | WSW | 19/10/2018 | 01:10 | 1.8 | NNE |
| 18/10/2018 | 11:25 | 0.9 | NW | 18/10/2018 | 18:20 | 0.9 | WSW | 19/10/2018 | 01:15 | 3.1 | W |
| 18/10/2018 | 11:30 | 2.7 | W | 18/10/2018 | 18:25 | 2.2 | NE | 19/10/2018 | 01:20 | 1.3 | E |
| 18/10/2018 | 11:35 | 0.4 | NW | 18/10/2018 | 18:30 | 0.4 | NW | 19/10/2018 | 01:25 | 2.2 | E |
| 18/10/2018 | 11:40 | 2.7 | WSW | 18/10/2018 | 18:35 | 0.9 | WSW | 19/10/2018 | 01:30 | 2.2 | W |
| 18/10/2018 | 11:45 | 0.4 | WSW | 18/10/2018 | 18:40 | 0.9 | WSW | 19/10/2018 | 01:35 | 1.8 | N |
| 18/10/2018 | 11:50 | 0.9 | NNW | 18/10/2018 | 18:45 | 0.4 | NW | 19/10/2018 | 01:40 | 1.8 | ENE |
| 18/10/2018 | 11:55 | 1.8 | W | 18/10/2018 | 18:50 | 2.7 | W | 19/10/2018 | 01:45 | 2.7 | W |
| 18/10/2018 | 12:00 | 0.4 | NE | 18/10/2018 | 18:55 | 0.9 | ENE | 19/10/2018 | 01:50 | 1.8 | WNW |
| 18/10/2018 | 12:05 | 2.2 | W | 18/10/2018 | 19:00 | 2.2 | WSW | 19/10/2018 | 01:55 | 1.8 | W |
| 18/10/2018 | 12:10 | 1.3 | N | 18/10/2018 | 19:05 | 0.4 | ENE | 19/10/2018 | 02:00 | 2.2 | WSW |
| 18/10/2018 | 12:15 | 0.9 | ENE | 18/10/2018 | 19:10 | 2.7 | WSW | 19/10/2018 | 02:05 | 1.8 | NW |
| 18/10/2018 | 12:20 | 1.3 | NE | 18/10/2018 | 19:15 | 0.4 | SSW | 19/10/2018 | 02:10 | 1.8 | WNW |
| 18/10/2018 | 12:25 | 0.4 | NNE | 18/10/2018 | 19:20 | 0.9 | NNE | 19/10/2018 | 02:15 | 1.8 | W |
| 18/10/2018 | 12:30 | 1.8 | NE | 18/10/2018 | 19:25 | 2.2 | W | 19/10/2018 | 02:20 | 2.2 | W |
| 18/10/2018 | 12:35 | 3.1 | WSW | 18/10/2018 | 19:30 | 3.1 | WSW | 19/10/2018 | 02:25 | 3.1 | W |
| 18/10/2018 | 12:40 | 0.9 | ENE | 18/10/2018 | 19:35 | 0.4 | SW | 19/10/2018 | 02:30 | 1.8 | WNW |
| 18/10/2018 | 12:45 | 0.9 | WSW | 18/10/2018 | 19:40 | 1.3 | W | 19/10/2018 | 02:35 | 2.2 | WSW |
| 18/10/2018 | 12:50 | 1.8 | W | 18/10/2018 | 19:45 | 0.9 | NE | 19/10/2018 | 02:40 | 0.9 | ENE |
| 18/10/2018 | 12:55 | 0.4 | NNE | 18/10/2018 | 19:50 | 2.2 | SW | 19/10/2018 | 02:45 | 1.3 | WNW |
| 18/10/2018 | 13:00 | 0.4 | NNE | 18/10/2018 | 19:55 | 0.4 | SSW | 19/10/2018 | 02:50 | 1.8 | ENE |
| 18/10/2018 | 13:05 | 3.1 | SW | 18/10/2018 | 20:00 | 2.7 | W | 19/10/2018 | 02:55 | 1.3 | WNW |
| 18/10/2018 | 13:10 | 1.8 | WSW | 18/10/2018 | 20:05 | 3.1 | NE | 19/10/2018 | 03:00 | 2.2 | W |
| 18/10/2018 | 13:15 | 0.9 | NE | 18/10/2018 | 20:10 | 0.9 | WSW | 19/10/2018 | 03:05 | 2.7 | WNW |
| 18/10/2018 | 13:20 | 0.9 | ENE | 18/10/2018 | 20:15 | 2.2 | WSW | 19/10/2018 | 03:10 | 2.2 | NNE |
| 18/10/2018 | 13:25 | 2.7 | W | 18/10/2018 | 20:20 | 1.3 | WSW | 19/10/2018 | 03:15 | 2.2 | WSW |
| 18/10/2018 | 13:30 | 0.9 | NNE | 18/10/2018 | 20:25 | 1.3 | NNE | 19/10/2018 | 03:20 | 2.7 | NNW |
| 18/10/2018 | 13:35 | 0.9 | W | 18/10/2018 | 20:30 | 0.9 | NE | 19/10/2018 | 03:25 | 0.9 | NNE |
| 18/10/2018 | 13:40 | 0.9 | WNW | 18/10/2018 | 20:35 | 0.9 | NE | 19/10/2018 | 03:30 | 2.7 | WNW |
| 18/10/2018 | 13:45 | 0.4 | NW | 18/10/2018 | 20:40 | 0.9 | WSW | 19/10/2018 | 03:35 | 0.9 | NW |
| 18/10/2018 | 13:50 | 0.4 | WSW | 18/10/2018 | 20:45 | 1.8 | NE | 19/10/2018 | 03:40 | 1.8 | WNW |
| 18/10/2018 | 13:55 | 0.9 | WSW | 18/10/2018 | 20:50 | 2.7 | WSW | 19/10/2018 | 03:45 | 1.8 | WNW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19/10/2018 | 03:50 | 1.3 | WNW | 19/10/2018 | 10:45 | 1.3 | WNW | 19/10/2018 | 17:40 | 1.8 | NW |
| 19/10/2018 | 03:55 | 2.7 | SSW | 19/10/2018 | 10:50 | 0.9 | WNW | 19/10/2018 | 17:45 | 2.7 | W |
| 19/10/2018 | 04:00 | 2.7 | WSW | 19/10/2018 | 10:55 | 1.8 | NE | 19/10/2018 | 17:50 | 1.8 | NW |
| 19/10/2018 | 04:05 | 1.8 | ENE | 19/10/2018 | 11:00 | 1.8 | ENE | 19/10/2018 | 17:55 | 1.8 | NNW |
| 19/10/2018 | 04:10 | 2.7 | W | 19/10/2018 | 11:05 | 1.3 | N | 19/10/2018 | 18:00 | 1.8 | N |
| 19/10/2018 | 04:15 | 1.3 | N | 19/10/2018 | 11:10 | 2.7 | SSW | 19/10/2018 | 18:05 | 1.8 | N |
| 19/10/2018 | 04:20 | 2.2 | W | 19/10/2018 | 11:15 | 1.8 | NW | 19/10/2018 | 18:10 | 1.8 | N |
| 19/10/2018 | 04:25 | 1.3 | ENE | 19/10/2018 | 11:20 | 1.8 | W | 19/10/2018 | 18:15 | 2.7 | WSW |
| 19/10/2018 | 04:30 | 1.8 | WNW | 19/10/2018 | 11:25 | 2.2 | WNW | 19/10/2018 | 18:20 | 1.3 | E |
| 19/10/2018 | 04:35 | 2.7 | W | 19/10/2018 | 11:30 | 3.6 | WNW | 19/10/2018 | 18:25 | 1.3 | E |
| 19/10/2018 | 04:40 | 2.7 | WNW | 19/10/2018 | 11:35 | 1.8 | WNW | 19/10/2018 | 18:30 | 3.1 | W |
| 19/10/2018 | 04:45 | 0.9 | NW | 19/10/2018 | 11:40 | 2.7 | W | 19/10/2018 | 18:35 | 1.3 | NE |
| 19/10/2018 | 04:50 | 2.2 | NNW | 19/10/2018 | 11:45 | 0.9 | NW | 19/10/2018 | 18:40 | 1.3 | ENE |
| 19/10/2018 | 04:55 | 0.9 | NE | 19/10/2018 | 11:50 | 1.3 | E | 19/10/2018 | 18:45 | 1.8 | NE |
| 19/10/2018 | 05:00 | 3.6 | W | 19/10/2018 | 11:55 | 1.8 | WNW | 19/10/2018 | 18:50 | 2.2 | WSW |
| 19/10/2018 | 05:05 | 1.3 | W | 19/10/2018 | 12:00 | 2.2 | WSW | 19/10/2018 | 18:55 | 1.8 | W |
| 19/10/2018 | 05:10 | 1.3 | WSW | 19/10/2018 | 12:05 | 1.3 | NNE | 19/10/2018 | 19:00 | 1.3 | N |
| 19/10/2018 | 05:15 | 2.2 | WSW | 19/10/2018 | 12:10 | 1.8 | NE | 19/10/2018 | 19:05 | 1.8 | N |
| 19/10/2018 | 05:20 | 2.7 | W | 19/10/2018 | 12:15 | 1.3 | ENE | 19/10/2018 | 19:10 | 3.1 | WSW |
| 19/10/2018 | 05:25 | 1.8 | NNE | 19/10/2018 | 12:20 | 2.7 | SSW | 19/10/2018 | 19:15 | 1.3 | W |
| 19/10/2018 | 05:30 | 1.3 | WSW | 19/10/2018 | 12:25 | 2.7 | W | 19/10/2018 | 19:20 | 1.8 | NE |
| 19/10/2018 | 05:35 | 1.8 | NW | 19/10/2018 | 12:30 | 0.9 | ESE | 19/10/2018 | 19:25 | 1.3 | WSW |
| 19/10/2018 | 05:40 | 3.6 | W | 19/10/2018 | 12:35 | 2.7 | E | 19/10/2018 | 19:30 | 1.8 | NE |
| 19/10/2018 | 05:45 | 2.2 | NNE | 19/10/2018 | 12:40 | 1.8 | NE | 19/10/2018 | 19:35 | 2.7 | W |
| 19/10/2018 | 05:50 | 3.1 | W | 19/10/2018 | 12:45 | 1.8 | ENE | 19/10/2018 | 19:40 | 1.3 | NNE |
| 19/10/2018 | 05:55 | 1.8 | NE | 19/10/2018 | 12:50 | 1.8 | NE | 19/10/2018 | 19:45 | 3.6 | NE |
| 19/10/2018 | 06:00 | 1.3 | NE | 19/10/2018 | 12:55 | 2.7 | WSW | 19/10/2018 | 19:50 | 1.8 | NW |
| 19/10/2018 | 06:05 | 2.7 | WSW | 19/10/2018 | 13:00 | 1.8 | ENE | 19/10/2018 | 19:55 | 1.8 | NE |
| 19/10/2018 | 06:10 | 2.7 | NW | 19/10/2018 | 13:05 | 2.7 | W | 19/10/2018 | 20:00 | 2.2 | E |
| 19/10/2018 | 06:15 | 1.8 | W | 19/10/2018 | 13:10 | 1.3 | NE | 19/10/2018 | 20:05 | 2.2 | ENE |
| 19/10/2018 | 06:20 | 1.8 | E | 19/10/2018 | 13:15 | 2.7 | W | 19/10/2018 | 20:10 | 1.3 | W |
| 19/10/2018 | 06:25 | 2.7 | SSW | 19/10/2018 | 13:20 | 1.3 | NE | 19/10/2018 | 20:15 | 2.2 | N |
| 19/10/2018 | 06:30 | 1.8 | WNW | 19/10/2018 | 13:25 | 1.8 | SW | 19/10/2018 | 20:20 | 1.8 | W |
| 19/10/2018 | 06:35 | 2.2 | SW | 19/10/2018 | 13:30 | 1.8 | NNW | 19/10/2018 | 20:25 | 1.3 | NNE |
| 19/10/2018 | 06:40 | 2.2 | W | 19/10/2018 | 13:35 | 2.2 | NNW | 19/10/2018 | 20:30 | 4 | WSW |
| 19/10/2018 | 06:45 | 1.8 | E | 19/10/2018 | 13:40 | 2.2 | W | 19/10/2018 | 20:35 | 1.3 | WSW |
| 19/10/2018 | 06:50 | 1.3 | E | 19/10/2018 | 13:45 | 1.8 | WNW | 19/10/2018 | 20:40 | 2.2 | NNW |
| 19/10/2018 | 06:55 | 2.2 | E | 19/10/2018 | 13:50 | 2.2 | NNW | 19/10/2018 | 20:45 | 2.2 | W |
| 19/10/2018 | 07:00 | 1.8 | WNW | 19/10/2018 | 13:55 | 1.3 | WNW | 19/10/2018 | 20:50 | 1.8 | NE |
| 19/10/2018 | 07:05 | 2.2 | ESE | 19/10/2018 | 14:00 | 2.2 | NW | 19/10/2018 | 20:55 | 1.8 | ENE |
| 19/10/2018 | 07:10 | 1.8 | N | 19/10/2018 | 14:05 | 0.9 | WSW | 19/10/2018 | 21:00 | 1.3 | W |
| 19/10/2018 | 07:15 | 1.3 | WNW | 19/10/2018 | 14:10 | 1.8 | NE | 19/10/2018 | 21:05 | 2.2 | NNW |
| 19/10/2018 | 07:20 | 2.7 | W | 19/10/2018 | 14:15 | 1.8 | NNW | 19/10/2018 | 21:10 | 1.8 | W |
| 19/10/2018 | 07:25 | 2.2 | NE | 19/10/2018 | 14:20 | 2.7 | W | 19/10/2018 | 21:15 | 1.8 | NW |
| 19/10/2018 | 07:30 | 2.2 | W | 19/10/2018 | 14:25 | 1.8 | NW | 19/10/2018 | 21:20 | 1.3 | WNW |
| 19/10/2018 | 07:35 | 1.8 | W | 19/10/2018 | 14:30 | 2.2 | W | 19/10/2018 | 21:25 | 0.9 | NE |
| 19/10/2018 | 07:40 | 1.3 | E | 19/10/2018 | 14:35 | 1.8 | ENE | 19/10/2018 | 21:30 | 2.7 | NE |
| 19/10/2018 | 07:45 | 0.9 | NW | 19/10/2018 | 14:40 | 2.2 | ENE | 19/10/2018 | 21:35 | 2.7 | WNW |
| 19/10/2018 | 07:50 | 2.2 | WSW | 19/10/2018 | 14:45 | 2.2 | WSW | 19/10/2018 | 21:40 | 2.7 | W |
| 19/10/2018 | 07:55 | 0.9 | WNW | 19/10/2018 | 14:50 | 2.2 | W | 19/10/2018 | 21:45 | 2.2 | W |
| 19/10/2018 | 08:00 | 1.8 | WSW | 19/10/2018 | 14:55 | 2.7 | SSW | 19/10/2018 | 21:50 | 2.2 | NNW |
| 19/10/2018 | 08:05 | 1.8 | NE | 19/10/2018 | 15:00 | 1.8 | NW | 19/10/2018 | 21:55 | 2.7 | W |
| 19/10/2018 | 08:10 | 1.8 | E | 19/10/2018 | 15:05 | 0.9 | NE | 19/10/2018 | 22:00 | 1.3 | W |
| 19/10/2018 | 08:15 | 2.7 | W | 19/10/2018 | 15:10 | 1.8 | WNW | 19/10/2018 | 22:05 | 2.2 | NNW |
| 19/10/2018 | 08:20 | 2.7 | NE | 19/10/2018 | 15:15 | 3.1 | NE | 19/10/2018 | 22:10 | 4 | WSW |
| 19/10/2018 | 08:25 | 3.1 | W | 19/10/2018 | 15:20 | 2.2 | NE | 19/10/2018 | 22:15 | 2.7 | W |
| 19/10/2018 | 08:30 | 2.7 | NNE | 19/10/2018 | 15:25 | 2.7 | W | 19/10/2018 | 22:20 | 1.8 | NE |
| 19/10/2018 | 08:35 | 2.2 | NNW | 19/10/2018 | 15:30 | 2.7 | W | 19/10/2018 | 22:25 | 1.8 | W |
| 19/10/2018 | 08:40 | 2.7 | SSW | 19/10/2018 | 15:35 | 1.8 | WNW | 19/10/2018 | 22:30 | 1.8 | N |
| 19/10/2018 | 08:45 | 1.8 | WNW | 19/10/2018 | 15:40 | 1.8 | NW | 19/10/2018 | 22:35 | 1.8 | WNW |
| 19/10/2018 | 08:50 | 1.8 | ENE | 19/10/2018 | 15:45 | 1.3 | W | 19/10/2018 | 22:40 | 2.2 | NW |
| 19/10/2018 | 08:55 | 1.3 | ENE | 19/10/2018 | 15:50 | 1.8 | WNW | 19/10/2018 | 22:45 | 0.9 | N |
| 19/10/2018 | 09:00 | 2.7 | W | 19/10/2018 | 15:55 | 2.7 | SSW | 19/10/2018 | 22:50 | 1.3 | E |
| 19/10/2018 | 09:05 | 1.8 | N | 19/10/2018 | 16:00 | 1.8 | W | 19/10/2018 | 22:55 | 2.2 | W |
| 19/10/2018 | 09:10 | 1.8 | NW | 19/10/2018 | 16:05 | 2.2 | N | 19/10/2018 | 23:00 | 1.8 | ENE |
| 19/10/2018 | 09:15 | 1.8 | NE | 19/10/2018 | 16:10 | 0.9 | W | 19/10/2018 | 23:05 | 1.8 | WNW |
| 19/10/2018 | 09:20 | 1.8 | WNW | 19/10/2018 | 16:15 | 1.8 | NE | 19/10/2018 | 23:10 | 1.3 | WNW |
| 19/10/2018 | 09:25 | 2.2 | N | 19/10/2018 | 16:20 | 1.8 | WNW | 19/10/2018 | 23:15 | 1.3 | E |
| 19/10/2018 | 09:30 | 3.1 | NW | 19/10/2018 | 16:25 | 1.3 | WNW | 19/10/2018 | 23:20 | 1.8 | W |
| 19/10/2018 | 09:35 | 1.8 | WNW | 19/10/2018 | 16:30 | 2.2 | W | 19/10/2018 | 23:25 | 1.8 | WNW |
| 19/10/2018 | 09:40 | 2.2 | ENE | 19/10/2018 | 16:35 | 0.9 | NW | 19/10/2018 | 23:30 | 1.3 | NE |
| 19/10/2018 | 09:45 | 0.9 | WSW | 19/10/2018 | 16:40 | 0.9 | WNW | 19/10/2018 | 23:35 | 3.1 | W |
| 19/10/2018 | 09:50 | 0.9 | WNW | 19/10/2018 | 16:45 | 1.3 | WNW | 19/10/2018 | 23:40 | 1.8 | ENE |
| 19/10/2018 | 09:55 | 1.3 | WSW | 19/10/2018 | 16:50 | 0.9 | NNE | 19/10/2018 | 23:45 | 4.9 | WSW |
| 19/10/2018 | 10:00 | 2.7 | W | 19/10/2018 | 16:55 | 2.7 | W | 19/10/2018 | 23:50 | 2.2 | W |
| 19/10/2018 | 10:05 | 0.9 | SW | 19/10/2018 | 17:00 | 2.7 | W | 19/10/2018 | 23:55 | 2.2 | W |
| 19/10/2018 | 10:10 | 1.3 | WNW | 19/10/2018 | 17:05 | 2.7 | WNW | 20/10/2018 | 00:00 | 2.2 | NNE |
| 19/10/2018 | 10:15 | 1.8 | WNW | 19/10/2018 | 17:10 | 2.2 | NE | 20/10/2018 | 00:05 | 1.8 | NE |
| 19/10/2018 | 10:20 | 1.8 | NE | 19/10/2018 | 17:15 | 1.8 | N | 20/10/2018 | 00:10 | 1.8 | E |
| 19/10/2018 | 10:25 | 1.8 | WNW | 19/10/2018 | 17:20 | 2.2 | NNW | 20/10/2018 | 00:15 | 1.8 | E |
| 19/10/2018 | 10:30 | 2.2 | W | 19/10/2018 | 17:25 | 3.1 | W | 20/10/2018 | 00:20 | 2.2 | W |
| 19/10/2018 | 10:35 | 2.2 | W | 19/10/2018 | 17:30 | 1.3 | WNW | 20/10/2018 | 00:25 | 0.9 | W |
| 19/10/2018 | 10:40 | 1.3 | NNE | 19/10/2018 | 17:35 | 1.8 | WSW | 20/10/2018 | 00:30 | 1.8 | E |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20/10/2018 | 00:35 | 0.9 | E | 20/10/2018 | 07:30 | 0.9 | W | 20/10/2018 | 14:25 | 3.1 | WSW |
| 20/10/2018 | 00:40 | 1.8 | NE | 20/10/2018 | 07:35 | 2.2 | NW | 20/10/2018 | 14:30 | 1.3 | NE |
| 20/10/2018 | 00:45 | 0.9 | NNE | 20/10/2018 | 07:40 | 2.7 | WNW | 20/10/2018 | 14:35 | 2.2 | NE |
| 20/10/2018 | 00:50 | 1.8 | ENE | 20/10/2018 | 07:45 | 2.7 | WNW | 20/10/2018 | 14:40 | 2.2 | WNW |
| 20/10/2018 | 00:55 | 2.2 | WSW | 20/10/2018 | 07:50 | 0.9 | NNW | 20/10/2018 | 14:45 | 0.9 | E |
| 20/10/2018 | 01:00 | 1.8 | NE | 20/10/2018 | 07:55 | 2.7 | W | 20/10/2018 | 14:50 | 2.2 | WSW |
| 20/10/2018 | 01:05 | 1.8 | W | 20/10/2018 | 08:00 | 0.9 | NE | 20/10/2018 | 14:55 | 2.2 | W |
| 20/10/2018 | 01:10 | 1.8 | NNE | 20/10/2018 | 08:05 | 2.2 | W | 20/10/2018 | 15:00 | 2.2 | NW |
| 20/10/2018 | 01:15 | 3.6 | W | 20/10/2018 | 08:10 | 2.2 | WNW | 20/10/2018 | 15:05 | 1.8 | WNW |
| 20/10/2018 | 01:20 | 2.2 | W | 20/10/2018 | 08:15 | 1.3 | W | 20/10/2018 | 15:10 | 2.2 | W |
| 20/10/2018 | 01:25 | 1.8 | ENE | 20/10/2018 | 08:20 | 0.9 | ENE | 20/10/2018 | 15:15 | 1.8 | NE |
| 20/10/2018 | 01:30 | 1.8 | WNW | 20/10/2018 | 08:25 | 1.8 | ENE | 20/10/2018 | 15:20 | 1.8 | SSE |
| 20/10/2018 | 01:35 | 1.8 | NNE | 20/10/2018 | 08:30 | 2.2 | E | 20/10/2018 | 15:25 | 2.7 | W |
| 20/10/2018 | 01:40 | 2.2 | W | 20/10/2018 | 08:35 | 2.2 | NW | 20/10/2018 | 15:30 | 2.2 | N |
| 20/10/2018 | 01:45 | 2.2 | W | 20/10/2018 | 08:40 | 2.2 | WNW | 20/10/2018 | 15:35 | 0.9 | W |
| 20/10/2018 | 01:50 | 1.8 | NNE | 20/10/2018 | 08:45 | 4.5 | WSW | 20/10/2018 | 15:40 | 2.2 | E |
| 20/10/2018 | 01:55 | 1.3 | E | 20/10/2018 | 08:50 | 2.2 | ENE | 20/10/2018 | 15:45 | 3.1 | W |
| 20/10/2018 | 02:00 | 2.2 | W | 20/10/2018 | 08:55 | 1.3 | WNW | 20/10/2018 | 15:50 | 2.2 | W |
| 20/10/2018 | 02:05 | 0.9 | W | 20/10/2018 | 09:00 | 2.2 | WSW | 20/10/2018 | 15:55 | 1.3 | W |
| 20/10/2018 | 02:10 | 1.3 | W | 20/10/2018 | 09:05 | 1.8 | W | 20/10/2018 | 16:00 | 2.7 | W |
| 20/10/2018 | 02:15 | 1.8 | NNE | 20/10/2018 | 09:10 | 2.2 | W | 20/10/2018 | 16:05 | 1.3 | NW |
| 20/10/2018 | 02:20 | 2.7 | ENE | 20/10/2018 | 09:15 | 1.8 | SSE | 20/10/2018 | 16:10 | 2.7 | E |
| 20/10/2018 | 02:25 | 2.7 | W | 20/10/2018 | 09:20 | 4 | SW | 20/10/2018 | 16:15 | 1.3 | NE |
| 20/10/2018 | 02:30 | 1.3 | NNE | 20/10/2018 | 09:25 | 1.8 | E | 20/10/2018 | 16:20 | 1.3 | E |
| 20/10/2018 | 02:35 | 0.9 | W | 20/10/2018 | 09:30 | 2.2 | WNW | 20/10/2018 | 16:25 | 1.8 | ENE |
| 20/10/2018 | 02:40 | 1.8 | WNW | 20/10/2018 | 09:35 | 2.2 | W | 20/10/2018 | 16:30 | 0.9 | NW |
| 20/10/2018 | 02:45 | 1.8 | ENE | 20/10/2018 | 09:40 | 1.8 | NE | 20/10/2018 | 16:35 | 0.9 | W |
| 20/10/2018 | 02:50 | 2.7 | W | 20/10/2018 | 09:45 | 1.8 | WNW | 20/10/2018 | 16:40 | 1.8 | NNE |
| 20/10/2018 | 02:55 | 2.7 | W | 20/10/2018 | 09:50 | 2.2 | E | 20/10/2018 | 16:45 | 3.1 | W |
| 20/10/2018 | 03:00 | 1.8 | WNW | 20/10/2018 | 09:55 | 0.9 | E | 20/10/2018 | 16:50 | 0.9 | E |
| 20/10/2018 | 03:05 | 0.9 | W | 20/10/2018 | 10:00 | 2.2 | WSW | 20/10/2018 | 16:55 | 1.8 | WSW |
| 20/10/2018 | 03:10 | 2.2 | W | 20/10/2018 | 10:05 | 3.1 | ENE | 20/10/2018 | 17:00 | 1.8 | WNW |
| 20/10/2018 | 03:15 | 3.1 | W | 20/10/2018 | 10:10 | 1.8 | ENE | 20/10/2018 | 17:05 | 3.1 | SW |
| 20/10/2018 | 03:20 | 2.2 | WSW | 20/10/2018 | 10:15 | 1.3 | ENE | 20/10/2018 | 17:10 | 3.1 | WNW |
| 20/10/2018 | 03:25 | 1.8 | NE | 20/10/2018 | 10:20 | 1.8 | NNE | 20/10/2018 | 17:15 | 3.1 | W |
| 20/10/2018 | 03:30 | 1.8 | NNW | 20/10/2018 | 10:25 | 2.2 | E | 20/10/2018 | 17:20 | 1.8 | WNW |
| 20/10/2018 | 03:35 | 2.2 | W | 20/10/2018 | 10:30 | 1.8 | NE | 20/10/2018 | 17:25 | 2.7 | NW |
| 20/10/2018 | 03:40 | 2.2 | N | 20/10/2018 | 10:35 | 1.3 | N | 20/10/2018 | 17:30 | 4.5 | W |
| 20/10/2018 | 03:45 | 0.4 | SW | 20/10/2018 | 10:40 | 0.9 | S | 20/10/2018 | 17:35 | 1.8 | SSE |
| 20/10/2018 | 03:50 | 2.7 | W | 20/10/2018 | 10:45 | 2.2 | E | 20/10/2018 | 17:40 | 1.8 | SSE |
| 20/10/2018 | 03:55 | 0.9 | E | 20/10/2018 | 10:50 | 1.3 | WNW | 20/10/2018 | 17:45 | 1.3 | W |
| 20/10/2018 | 04:00 | 2.2 | WNW | 20/10/2018 | 10:55 | 1.8 | E | 20/10/2018 | 17:50 | 1.3 | W |
| 20/10/2018 | 04:05 | 2.2 | W | 20/10/2018 | 11:00 | 1.8 | E | 20/10/2018 | 17:55 | 1.8 | NNW |
| 20/10/2018 | 04:10 | 3.6 | W | 20/10/2018 | 11:05 | 1.3 | W | 20/10/2018 | 18:00 | 1.8 | E |
| 20/10/2018 | 04:15 | 2.2 | W | 20/10/2018 | 11:10 | 2.7 | NE | 20/10/2018 | 18:05 | 3.6 | W |
| 20/10/2018 | 04:20 | 3.1 | WNW | 20/10/2018 | 11:15 | 2.2 | W | 20/10/2018 | 18:10 | 3.6 | WSW |
| 20/10/2018 | 04:25 | 3.6 | W | 20/10/2018 | 11:20 | 1.8 | NW | 20/10/2018 | 18:15 | 1.8 | WNW |
| 20/10/2018 | 04:30 | 2.2 | NNW | 20/10/2018 | 11:25 | 1.8 | ENE | 20/10/2018 | 18:20 | 2.2 | WNW |
| 20/10/2018 | 04:35 | 0.9 | W | 20/10/2018 | 11:30 | 1.3 | N | 20/10/2018 | 18:25 | 1.3 | E |
| 20/10/2018 | 04:40 | 1.3 | ENE | 20/10/2018 | 11:35 | 1.8 | WNW | 20/10/2018 | 18:30 | 1.3 | W |
| 20/10/2018 | 04:45 | 2.2 | W | 20/10/2018 | 11:40 | 2.2 | W | 20/10/2018 | 18:35 | 1.3 | WNW |
| 20/10/2018 | 04:50 | 2.2 | NW | 20/10/2018 | 11:45 | 2.2 | E | 20/10/2018 | 18:40 | 2.2 | W |
| 20/10/2018 | 04:55 | 1.3 | NNW | 20/10/2018 | 11:50 | 3.6 | WSW | 20/10/2018 | 18:45 | 2.2 | W |
| 20/10/2018 | 05:00 | 0.9 | NE | 20/10/2018 | 11:55 | 1.3 | W | 20/10/2018 | 18:50 | 3.1 | W |
| 20/10/2018 | 05:05 | 2.7 | SW | 20/10/2018 | 12:00 | 3.6 | W | 20/10/2018 | 18:55 | 2.7 | WSW |
| 20/10/2018 | 05:10 | 2.2 | NW | 20/10/2018 | 12:05 | 4.5 | WSW | 20/10/2018 | 19:00 | 2.2 | WSW |
| 20/10/2018 | 05:15 | 1.8 | WNW | 20/10/2018 | 12:10 | 1.8 | NW | 20/10/2018 | 19:05 | 3.1 | W |
| 20/10/2018 | 05:20 | 2.2 | W | 20/10/2018 | 12:15 | 2.2 | NW | 20/10/2018 | 19:10 | 3.6 | ENE |
| 20/10/2018 | 05:25 | 1.3 | W | 20/10/2018 | 12:20 | 1.8 | NW | 20/10/2018 | 19:15 | 2.2 | WNW |
| 20/10/2018 | 05:30 | 2.2 | E | 20/10/2018 | 12:25 | 1.3 | NE | 20/10/2018 | 19:20 | 1.8 | NNE |
| 20/10/2018 | 05:35 | 2.2 | E | 20/10/2018 | 12:30 | 2.2 | WSW | 20/10/2018 | 19:25 | 0.9 | W |
| 20/10/2018 | 05:40 | 2.2 | WSW | 20/10/2018 | 12:35 | 1.8 | ENE | 20/10/2018 | 19:30 | 2.7 | W |
| 20/10/2018 | 05:45 | 1.3 | E | 20/10/2018 | 12:40 | 3.1 | W | 20/10/2018 | 19:35 | 3.1 | W |
| 20/10/2018 | 05:50 | 2.7 | WNW | 20/10/2018 | 12:45 | 3.1 | W | 20/10/2018 | 19:40 | 3.1 | W |
| 20/10/2018 | 05:55 | 1.3 | NNW | 20/10/2018 | 12:50 | 1.3 | W | 20/10/2018 | 19:45 | 2.2 | SW |
| 20/10/2018 | 06:00 | 2.2 | W | 20/10/2018 | 12:55 | 4 | WSW | 20/10/2018 | 19:50 | 1.8 | W |
| 20/10/2018 | 06:05 | 1.8 | WSW | 20/10/2018 | 13:00 | 1.8 | NNE | 20/10/2018 | 19:55 | 1.8 | WNW |
| 20/10/2018 | 06:10 | 2.2 | W | 20/10/2018 | 13:05 | 2.7 | W | 20/10/2018 | 20:00 | 2.2 | N |
| 20/10/2018 | 06:15 | 2.2 | W | 20/10/2018 | 13:10 | 2.2 | W | 20/10/2018 | 20:05 | 0.9 | WNW |
| 20/10/2018 | 06:20 | 0.9 | W | 20/10/2018 | 13:15 | 2.2 | W | 20/10/2018 | 20:10 | 2.2 | WSW |
| 20/10/2018 | 06:25 | 0.9 | W | 20/10/2018 | 13:20 | 1.8 | NE | 20/10/2018 | 20:15 | 1.8 | NE |
| 20/10/2018 | 06:30 | 2.2 | W | 20/10/2018 | 13:25 | 0.9 | E | 20/10/2018 | 20:20 | 2.2 | W |
| 20/10/2018 | 06:35 | 2.2 | WNW | 20/10/2018 | 13:30 | 0.9 | W | 20/10/2018 | 20:25 | 2.2 | NW |
| 20/10/2018 | 06:40 | 2.7 | W | 20/10/2018 | 13:35 | 4.9 | W | 20/10/2018 | 20:30 | 2.7 | W |
| 20/10/2018 | 06:45 | 2.2 | W | 20/10/2018 | 13:40 | 2.7 | W | 20/10/2018 | 20:35 | 1.8 | ENE |
| 20/10/2018 | 06:50 | 1.8 | WNW | 20/10/2018 | 13:45 | 0.9 | E | 20/10/2018 | 20:40 | 1.8 | WNW |
| 20/10/2018 | 06:55 | 1.8 | SSE | 20/10/2018 | 13:50 | 1.3 | NNE | 20/10/2018 | 20:45 | 2.7 | W |
| 20/10/2018 | 07:00 | 2.7 | W | 20/10/2018 | 13:55 | 3.1 | WNW | 20/10/2018 | 20:50 | 3.1 | WSW |
| 20/10/2018 | 07:05 | 3.6 | N | 20/10/2018 | 14:00 | 1.8 | ENE | 20/10/2018 | 20:55 | 2.2 | WNW |
| 20/10/2018 | 07:10 | 0.9 | E | 20/10/2018 | 14:05 | 1.3 | W | 20/10/2018 | 21:00 | 2.2 | WNW |
| 20/10/2018 | 07:15 | 1.3 | N | 20/10/2018 | 14:10 | 1.8 | WNW | 20/10/2018 | 21:05 | 1.8 | E |
| 20/10/2018 | 07:20 | 1.8 | NNE | 20/10/2018 | 14:15 | 3.1 | W | 20/10/2018 | 21:10 | 1.3 | WNW |
| 20/10/2018 | 07:25 | 2.7 | W | 20/10/2018 | 14:20 | 2.2 | W | 20/10/2018 | 21:15 | 2.2 | W |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20/10/2018 | 21:20 | 2.2 | WNW | 21/10/2018 | 04:15 | 0.9 | WNW | 21/10/2018 | 11:10 | 1.8 | W |
| 20/10/2018 | 21:25 | 3.1 | W | 21/10/2018 | 04:20 | 2.2 | W | 21/10/2018 | 11:15 | 0.9 | SW |
| 20/10/2018 | 21:30 | 2.2 | NE | 21/10/2018 | 04:25 | 1.3 | NNW | 21/10/2018 | 11:20 | 1.8 | NNE |
| 20/10/2018 | 21:35 | 1.8 | SSE | 21/10/2018 | 04:30 | 1.3 | W | 21/10/2018 | 11:25 | 1.8 | NNE |
| 20/10/2018 | 21:40 | 1.3 | NNE | 21/10/2018 | 04:35 | 2.2 | W | 21/10/2018 | 11:30 | 1.8 | W |
| 20/10/2018 | 21:45 | 2.2 | WSW | 21/10/2018 | 04:40 | 1.8 | WSW | 21/10/2018 | 11:35 | 0.9 | N |
| 20/10/2018 | 21:50 | 1.8 | WNW | 21/10/2018 | 04:45 | 0.4 | WNW | 21/10/2018 | 11:40 | 0.9 | WSW |
| 20/10/2018 | 21:55 | 2.2 | SW | 21/10/2018 | 04:50 | 2.2 | WNW | 21/10/2018 | 11:45 | 1.3 | SW |
| 20/10/2018 | 22:00 | 3.1 | W | 21/10/2018 | 04:55 | 1.8 | ENE | 21/10/2018 | 11:50 | 1.8 | W |
| 20/10/2018 | 22:05 | 1.8 | E | 21/10/2018 | 05:00 | 1.3 | NE | 21/10/2018 | 11:55 | 2.7 | WNW |
| 20/10/2018 | 22:10 | 1.8 | N | 21/10/2018 | 05:05 | 0.9 | NW | 21/10/2018 | 12:00 | 1.3 | NE |
| 20/10/2018 | 22:15 | 2.2 | WNW | 21/10/2018 | 05:10 | 1.8 | ENE | 21/10/2018 | 12:05 | 1.8 | WSW |
| 20/10/2018 | 22:20 | 1.3 | NNE | 21/10/2018 | 05:15 | 1.3 | WNW | 21/10/2018 | 12:10 | 1.3 | W |
| 20/10/2018 | 22:25 | 1.3 | NNW | 21/10/2018 | 05:20 | 0.9 | NW | 21/10/2018 | 12:15 | 0.9 | WNW |
| 20/10/2018 | 22:30 | 2.7 | WNW | 21/10/2018 | 05:25 | 0.4 | SW | 21/10/2018 | 12:20 | 1.8 | WSW |
| 20/10/2018 | 22:35 | 1.8 | W | 21/10/2018 | 05:30 | 1.8 | N | 21/10/2018 | 12:25 | 0.4 | NE |
| 20/10/2018 | 22:40 | 2.2 | W | 21/10/2018 | 05:35 | 1.3 | W | 21/10/2018 | 12:30 | 1.3 | NW |
| 20/10/2018 | 22:45 | 2.2 | W | 21/10/2018 | 05:40 | 2.2 | W | 21/10/2018 | 12:35 | 1.3 | WSW |
| 20/10/2018 | 22:50 | 1.8 | W | 21/10/2018 | 05:45 | 1.8 | W | 21/10/2018 | 12:40 | 0.4 | N |
| 20/10/2018 | 22:55 | 1.8 | WNW | 21/10/2018 | 05:50 | 0.9 | NW | 21/10/2018 | 12:45 | 0.4 | WNW |
| 20/10/2018 | 23:00 | 2.7 | WNW | 21/10/2018 | 05:55 | 1.8 | ENE | 21/10/2018 | 12:50 | 0.4 | W |
| 20/10/2018 | 23:05 | 2.7 | WSW | 21/10/2018 | 06:00 | 2.2 | WNW | 21/10/2018 | 12:55 | 0.4 | NW |
| 20/10/2018 | 23:10 | 2.7 | W | 21/10/2018 | 06:05 | 1.3 | NE | 21/10/2018 | 13:00 | 1.3 | NNE |
| 20/10/2018 | 23:15 | 1.8 | E | 21/10/2018 | 06:10 | 0.4 | N | 21/10/2018 | 13:05 | 0.4 | NW |
| 20/10/2018 | 23:20 | 3.1 | W | 21/10/2018 | 06:15 | 2.2 | E | 21/10/2018 | 13:10 | 0.9 | NE |
| 20/10/2018 | 23:25 | 2.2 | WNW | 21/10/2018 | 06:20 | 1.3 | WNW | 21/10/2018 | 13:15 | 0.9 | N |
| 20/10/2018 | 23:30 | 1.8 | SSE | 21/10/2018 | 06:25 | 1.3 | NNW | 21/10/2018 | 13:20 | 1.3 | WSW |
| 20/10/2018 | 23:35 | 2.7 | WNW | 21/10/2018 | 06:30 | 1.8 | ENE | 21/10/2018 | 13:25 | 1.8 | W |
| 20/10/2018 | 23:40 | 1.8 | WNW | 21/10/2018 | 06:35 | 0.4 | NE | 21/10/2018 | 13:30 | 2.2 | W |
| 20/10/2018 | 23:45 | 1.8 | ENE | 21/10/2018 | 06:40 | 0.4 | NE | 21/10/2018 | 13:35 | 0.4 | NW |
| 20/10/2018 | 23:50 | 0.4 | SSE | 21/10/2018 | 06:45 | 0.9 | NE | 21/10/2018 | 13:40 | 1.8 | WSW |
| 20/10/2018 | 23:55 | 0.9 | E | 21/10/2018 | 06:50 | 1.3 | W | 21/10/2018 | 13:45 | 0.4 | NW |
| 21/10/2018 | 00:00 | 3.1 | W | 21/10/2018 | 06:55 | 2.2 | W | 21/10/2018 | 13:50 | 0.4 | NE |
| 21/10/2018 | 00:05 | 1.3 | NW | 21/10/2018 | 07:00 | 1.3 | NE | 21/10/2018 | 13:55 | 1.3 | N |
| 21/10/2018 | 00:10 | 2.2 | N | 21/10/2018 | 07:05 | 1.3 | NE | 21/10/2018 | 14:00 | 1.3 | N |
| 21/10/2018 | 00:15 | 0.9 | NE | 21/10/2018 | 07:10 | 0.9 | SW | 21/10/2018 | 14:05 | 2.2 | W |
| 21/10/2018 | 00:20 | 1.8 | SW | 21/10/2018 | 07:15 | 1.3 | NW | 21/10/2018 | 14:10 | 0.4 | NE |
| 21/10/2018 | 00:25 | 1.3 | N | 21/10/2018 | 07:20 | 1.3 | WNW | 21/10/2018 | 14:15 | 0.4 | W |
| 21/10/2018 | 00:30 | 0.9 | NE | 21/10/2018 | 07:25 | 1.3 | NW | 21/10/2018 | 14:20 | 1.8 | W |
| 21/10/2018 | 00:35 | 0.4 | ENE | 21/10/2018 | 07:30 | 1.3 | WNW | 21/10/2018 | 14:25 | 1.3 | WSW |
| 21/10/2018 | 00:40 | 1.8 | NW | 21/10/2018 | 07:35 | 1.3 | NW | 21/10/2018 | 14:30 | 1.3 | WSW |
| 21/10/2018 | 00:45 | 1.3 | W | 21/10/2018 | 07:40 | 0.4 | NE | 21/10/2018 | 14:35 | 1.8 | W |
| 21/10/2018 | 00:50 | 2.2 | WSW | 21/10/2018 | 07:45 | 1.3 | N | 21/10/2018 | 14:40 | 1.3 | NW |
| 21/10/2018 | 00:55 | 1.8 | W | 21/10/2018 | 07:50 | 2.2 | WNW | 21/10/2018 | 14:45 | 1.3 | N |
| 21/10/2018 | 01:00 | 0.4 | W | 21/10/2018 | 07:55 | 0.9 | NNE | 21/10/2018 | 14:50 | 1.8 | NW |
| 21/10/2018 | 01:05 | 1.8 | NW | 21/10/2018 | 08:00 | 1.3 | WSW | 21/10/2018 | 14:55 | 1.3 | W |
| 21/10/2018 | 01:10 | 0.9 | WNW | 21/10/2018 | 08:05 | 1.3 | WSW | 21/10/2018 | 15:00 | 1.3 | NW |
| 21/10/2018 | 01:15 | 2.2 | N | 21/10/2018 | 08:10 | 1.3 | NNW | 21/10/2018 | 15:05 | 0.9 | SW |
| 21/10/2018 | 01:20 | 0.4 | WSW | 21/10/2018 | 08:15 | 2.2 | W | 21/10/2018 | 15:10 | 1.8 | SW |
| 21/10/2018 | 01:25 | 0.4 | N | 21/10/2018 | 08:20 | 0.9 | N | 21/10/2018 | 15:15 | 0.4 | NNE |
| 21/10/2018 | 01:30 | 0.9 | NNE | 21/10/2018 | 08:25 | 0.9 | NNE | 21/10/2018 | 15:20 | 0.9 | W |
| 21/10/2018 | 01:35 | 2.2 | N | 21/10/2018 | 08:30 | 0.9 | NW | 21/10/2018 | 15:25 | 0.9 | N |
| 21/10/2018 | 01:40 | 0.9 | NE | 21/10/2018 | 08:35 | 1.3 | NE | 21/10/2018 | 15:30 | 1.8 | N |
| 21/10/2018 | 01:45 | 2.2 | WNW | 21/10/2018 | 08:40 | 2.2 | W | 21/10/2018 | 15:35 | 1.8 | W |
| 21/10/2018 | 01:50 | 2.2 | NNW | 21/10/2018 | 08:45 | 2.2 | N | 21/10/2018 | 15:40 | 2.2 | W |
| 21/10/2018 | 01:55 | 1.3 | N | 21/10/2018 | 08:50 | 2.2 | W | 21/10/2018 | 15:45 | 1.8 | W |
| 21/10/2018 | 02:00 | 0.9 | NE | 21/10/2018 | 08:55 | 2.2 | NNW | 21/10/2018 | 15:50 | 1.3 | NE |
| 21/10/2018 | 02:05 | 1.3 | NNW | 21/10/2018 | 09:00 | 0.4 | NW | 21/10/2018 | 15:55 | 0.9 | SW |
| 21/10/2018 | 02:10 | 1.8 | W | 21/10/2018 | 09:05 | 1.8 | NE | 21/10/2018 | 16:00 | 1.8 | WNW |
| 21/10/2018 | 02:15 | 2.2 | WNW | 21/10/2018 | 09:10 | 1.8 | ENE | 21/10/2018 | 16:05 | 2.2 | W |
| 21/10/2018 | 02:20 | 2.2 | WNW | 21/10/2018 | 09:15 | 1.8 | NNW | 21/10/2018 | 16:10 | 0.9 | NW |
| 21/10/2018 | 02:25 | 1.3 | W | 21/10/2018 | 09:20 | 1.3 | NE | 21/10/2018 | 16:15 | 1.3 | N |
| 21/10/2018 | 02:30 | 0.4 | NNE | 21/10/2018 | 09:25 | 0.4 | NNE | 21/10/2018 | 16:20 | 0.4 | NW |
| 21/10/2018 | 02:35 | 1.8 | NE | 21/10/2018 | 09:30 | 1.8 | N | 21/10/2018 | 16:25 | 0.9 | NE |
| 21/10/2018 | 02:40 | 0.4 | NW | 21/10/2018 | 09:35 | 1.3 | W | 21/10/2018 | 16:30 | 0.4 | ENE |
| 21/10/2018 | 02:45 | 1.3 | ENE | 21/10/2018 | 09:40 | 1.8 | WSW | 21/10/2018 | 16:35 | 1.8 | W |
| 21/10/2018 | 02:50 | 1.3 | NNE | 21/10/2018 | 09:45 | 0.4 | NNW | 21/10/2018 | 16:40 | 1.8 | W |
| 21/10/2018 | 02:55 | 1.3 | NE | 21/10/2018 | 09:50 | 2.2 | WSW | 21/10/2018 | 16:45 | 0.4 | NE |
| 21/10/2018 | 03:00 | 0.9 | WSW | 21/10/2018 | 09:55 | 1.8 | ENE | 21/10/2018 | 16:50 | 0.9 | NNW |
| 21/10/2018 | 03:05 | 1.3 | N | 21/10/2018 | 10:00 | 0.9 | ENE | 21/10/2018 | 16:55 | 1.8 | W |
| 21/10/2018 | 03:10 | 0.9 | SW | 21/10/2018 | 10:05 | 1.8 | N | 21/10/2018 | 17:00 | 1.3 | N |
| 21/10/2018 | 03:15 | 1.8 | NNW | 21/10/2018 | 10:10 | 1.8 | N | 21/10/2018 | 17:05 | 1.8 | N |
| 21/10/2018 | 03:20 | 1.3 | W | 21/10/2018 | 10:15 | 0.4 | NE | 21/10/2018 | 17:10 | 0.9 | NNE |
| 21/10/2018 | 03:25 | 2.2 | W | 21/10/2018 | 10:20 | 0.4 | NW | 21/10/2018 | 17:15 | 0.9 | NE |
| 21/10/2018 | 03:30 | 2.2 | WSW | 21/10/2018 | 10:25 | 0.4 | NE | 21/10/2018 | 17:20 | 0.4 | NE |
| 21/10/2018 | 03:35 | 0.9 | NNW | 21/10/2018 | 10:30 | 1.8 | N | 21/10/2018 | 17:25 | 0.4 | NE |
| 21/10/2018 | 03:40 | 1.3 | ENE | 21/10/2018 | 10:35 | 1.8 | W | 21/10/2018 | 17:30 | 1.8 | WSW |
| 21/10/2018 | 03:45 | 1.8 | N | 21/10/2018 | 10:40 | 1.3 | NNE | 21/10/2018 | 17:35 | 0.4 | WSW |
| 21/10/2018 | 03:50 | 0.4 | N | 21/10/2018 | 10:45 | 1.3 | NE | 21/10/2018 | 17:40 | 0.9 | NE |
| 21/10/2018 | 03:55 | 1.3 | ENE | 21/10/2018 | 10:50 | 0.9 | NW | 21/10/2018 | 17:45 | 0.9 | NE |
| 21/10/2018 | 04:00 | 0.9 | NNE | 21/10/2018 | 10:55 | 1.8 | N | 21/10/2018 | 17:50 | 0.9 | NW |
| 21/10/2018 | 04:05 | 0.9 | NW | 21/10/2018 | 11:00 | 1.3 | WNW | 21/10/2018 | 17:55 | 0.9 | WNW |
| 21/10/2018 | 04:10 | 0.9 | N | 21/10/2018 | 11:05 | 1.8 | W | 21/10/2018 | 18:00 | 1.3 | NW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21/10/2018 | 18:05 | 1.3 | NW | 22/10/2018 | 01:00 | 2.2 | WNW | 22/10/2018 | 07:55 | 1.3 | WSW |
| 21/10/2018 | 18:10 | 0.4 | N | 22/10/2018 | 01:05 | 3.6 | E | 22/10/2018 | 08:00 | 0.9 | W |
| 21/10/2018 | 18:15 | 1.3 | NE | 22/10/2018 | 01:10 | 1.3 | E | 22/10/2018 | 08:05 | 0.4 | E |
| 21/10/2018 | 18:20 | 1.3 | NE | 22/10/2018 | 01:15 | 0.9 | SW | 22/10/2018 | 08:10 | 1.3 | ENE |
| 21/10/2018 | 18:25 | 1.3 | N | 22/10/2018 | 01:20 | 2.7 | W | 22/10/2018 | 08:15 | 0 | E |
| 21/10/2018 | 18:30 | 0.4 | NNW | 22/10/2018 | 01:25 | 0.9 | SW | 22/10/2018 | 08:20 | 1.8 | SW |
| 21/10/2018 | 18:35 | 1.3 | NNE | 22/10/2018 | 01:30 | 0.4 | NE | 22/10/2018 | 08:25 | 1.3 | ENE |
| 21/10/2018 | 18:40 | 1.3 | WNW | 22/10/2018 | 01:35 | 2.2 | NNW | 22/10/2018 | 08:30 | 2.2 | E |
| 21/10/2018 | 18:45 | 0.9 | SW | 22/10/2018 | 01:40 | 3.6 | NE | 22/10/2018 | 08:35 | 2.2 | NE |
| 21/10/2018 | 18:50 | 1.3 | E | 22/10/2018 | 01:45 | 1.3 | E | 22/10/2018 | 08:40 | 0 | --- |
| 21/10/2018 | 18:55 | 0.4 | NW | 22/10/2018 | 01:50 | 0.9 | SSE | 22/10/2018 | 08:45 | 1.3 | ESE |
| 21/10/2018 | 19:00 | 0.9 | N | 22/10/2018 | 01:55 | 1.3 | E | 22/10/2018 | 08:50 | 1.3 | NE |
| 21/10/2018 | 19:05 | 0.9 | WSW | 22/10/2018 | 02:00 | 2.7 | WSW | 22/10/2018 | 08:55 | 0 | --- |
| 21/10/2018 | 19:10 | 0.4 | ENE | 22/10/2018 | 02:05 | 0.4 | ESE | 22/10/2018 | 09:00 | 1.3 | ESE |
| 21/10/2018 | 19:15 | 1.8 | W | 22/10/2018 | 02:10 | 0 | --- | 22/10/2018 | 09:05 | 0.9 | ESE |
| 21/10/2018 | 19:20 | 1.8 | W | 22/10/2018 | 02:15 | 2.2 | E | 22/10/2018 | 09:10 | 3.1 | ENE |
| 21/10/2018 | 19:25 | 2.7 | W | 22/10/2018 | 02:20 | 0 | --- | 22/10/2018 | 09:15 | 0.4 | ESE |
| 21/10/2018 | 19:30 | 0.4 | NNE | 22/10/2018 | 02:25 | 3.1 | NE | 22/10/2018 | 09:20 | 0.9 | WNW |
| 21/10/2018 | 19:35 | 1.8 | NW | 22/10/2018 | 02:30 | 1.3 | E | 22/10/2018 | 09:25 | 0.4 | SSW |
| 21/10/2018 | 19:40 | 2.2 | W | 22/10/2018 | 02:35 | 1.3 | E | 22/10/2018 | 09:30 | 0.9 | E |
| 21/10/2018 | 19:45 | 0.4 | NE | 22/10/2018 | 02:40 | 1.3 | E | 22/10/2018 | 09:35 | 0 | --- |
| 21/10/2018 | 19:50 | 1.8 | ENE | 22/10/2018 | 02:45 | 0.9 | WNW | 22/10/2018 | 09:40 | 1.8 | NNE |
| 21/10/2018 | 19:55 | 1.3 | ENE | 22/10/2018 | 02:50 | 1.3 | E | 22/10/2018 | 09:45 | 2.7 | ESE |
| 21/10/2018 | 20:00 | 0.4 | WSW | 22/10/2018 | 02:55 | 0 | --- | 22/10/2018 | 09:50 | 1.3 | E |
| 21/10/2018 | 20:05 | 1.3 | W | 22/10/2018 | 03:00 | 0.4 | NNW | 22/10/2018 | 09:55 | 0 | --- |
| 21/10/2018 | 20:10 | 1.8 | W | 22/10/2018 | 03:05 | 0.4 | NNW | 22/10/2018 | 10:00 | 0.9 | ESE |
| 21/10/2018 | 20:15 | 1.3 | N | 22/10/2018 | 03:10 | 0 | --- | 22/10/2018 | 10:05 | 1.3 | ENE |
| 21/10/2018 | 20:20 | 1.8 | W | 22/10/2018 | 03:15 | 2.2 | ENE | 22/10/2018 | 10:10 | 0.9 | N |
| 21/10/2018 | 20:25 | 1.8 | W | 22/10/2018 | 03:20 | 3.1 | NE | 22/10/2018 | 10:15 | 1.3 | ESE |
| 21/10/2018 | 20:30 | 1.3 | NE | 22/10/2018 | 03:25 | 0.9 | ESE | 22/10/2018 | 10:20 | 1.3 | ESE |
| 21/10/2018 | 20:35 | 2.2 | W | 22/10/2018 | 03:30 | 0 | --- | 22/10/2018 | 10:25 | 0 | E |
| 21/10/2018 | 20:40 | 1.8 | WSW | 22/10/2018 | 03:35 | 0.9 | WSW | 22/10/2018 | 10:30 | 0 | --- |
| 21/10/2018 | 20:45 | 1.8 | W | 22/10/2018 | 03:40 | 1.3 | ESE | 22/10/2018 | 10:35 | 0 | NE |
| 21/10/2018 | 20:50 | 0.4 | WNW | 22/10/2018 | 03:45 | 1.3 | NNW | 22/10/2018 | 10:40 | 0 | --- |
| 21/10/2018 | 20:55 | 0.9 | ENE | 22/10/2018 | 03:50 | 1.3 | SE | 22/10/2018 | 10:45 | 0.9 | SW |
| 21/10/2018 | 21:00 | 1.3 | W | 22/10/2018 | 03:55 | 2.2 | W | 22/10/2018 | 10:50 | 0 | --- |
| 21/10/2018 | 21:05 | 0.4 | WSW | 22/10/2018 | 04:00 | 0.4 | ESE | 22/10/2018 | 10:55 | 0 | --- |
| 21/10/2018 | 21:10 | 0.4 | NE | 22/10/2018 | 04:05 | 1.3 | ENE | 22/10/2018 | 11:00 | 0.9 | SW |
| 21/10/2018 | 21:15 | 0.9 | NNE | 22/10/2018 | 04:10 | 1.3 | E | 22/10/2018 | 11:05 | 0.4 | ESE |
| 21/10/2018 | 21:20 | 1.8 | SW | 22/10/2018 | 04:15 | 0 | --- | 22/10/2018 | 11:10 | 0.4 | S |
| 21/10/2018 | 21:25 | 1.3 | NNW | 22/10/2018 | 04:20 | 0.9 | W | 22/10/2018 | 11:15 | 0.4 | E |
| 21/10/2018 | 21:30 | 1.3 | NE | 22/10/2018 | 04:25 | 1.8 | W | 22/10/2018 | 11:20 | 1.3 | NE |
| 21/10/2018 | 21:35 | 0.9 | NNW | 22/10/2018 | 04:30 | 2.7 | NE | 22/10/2018 | 11:25 | 2.2 | W |
| 21/10/2018 | 21:40 | 1.8 | N | 22/10/2018 | 04:35 | 0.4 | SW | 22/10/2018 | 11:30 | 0.4 | SSW |
| 21/10/2018 | 21:45 | 1.8 | N | 22/10/2018 | 04:40 | 1.8 | E | 22/10/2018 | 11:35 | 0.4 | E |
| 21/10/2018 | 21:50 | 1.3 | WNW | 22/10/2018 | 04:45 | 1.3 | SW | 22/10/2018 | 11:40 | 2.7 | SSE |
| 21/10/2018 | 21:55 | 1.8 | NNE | 22/10/2018 | 04:50 | 0 | --- | 22/10/2018 | 11:45 | 3.1 | NE |
| 21/10/2018 | 22:00 | 0.4 | NNE | 22/10/2018 | 04:55 | 1.3 | NE | 22/10/2018 | 11:50 | 3.6 | E |
| 21/10/2018 | 22:05 | 1.8 | NW | 22/10/2018 | 05:00 | 2.2 | ENE | 22/10/2018 | 11:55 | 1.8 | ENE |
| 21/10/2018 | 22:10 | 1.3 | N | 22/10/2018 | 05:05 | 0.9 | ESE | 22/10/2018 | 12:00 | 0.9 | WNW |
| 21/10/2018 | 22:15 | 1.3 | NNW | 22/10/2018 | 05:10 | 0.9 | ESE | 22/10/2018 | 12:05 | 0.9 | E |
| 21/10/2018 | 22:20 | 0.9 | SSW | 22/10/2018 | 05:15 | 1.3 | WNW | 22/10/2018 | 12:10 | 0 | SSW |
| 21/10/2018 | 22:25 | 1.8 | NW | 22/10/2018 | 05:20 | 1.3 | NE | 22/10/2018 | 12:15 | 3.6 | ENE |
| 21/10/2018 | 22:30 | 1.3 | E | 22/10/2018 | 05:25 | 0.4 | SW | 22/10/2018 | 12:20 | 0.9 | SSW |
| 21/10/2018 | 22:35 | 0.4 | NNE | 22/10/2018 | 05:30 | 1.3 | SSW | 22/10/2018 | 12:25 | 0.9 | WSW |
| 21/10/2018 | 22:40 | 0.4 | NE | 22/10/2018 | 05:35 | 0.4 | E | 22/10/2018 | 12:30 | 0.9 | ESE |
| 21/10/2018 | 22:45 | 1.3 | NNW | 22/10/2018 | 05:40 | 0.9 | ESE | 22/10/2018 | 12:35 | 1.3 | E |
| 21/10/2018 | 22:50 | 0.9 | NNW | 22/10/2018 | 05:45 | 1.3 | SW | 22/10/2018 | 12:40 | 1.8 | NNW |
| 21/10/2018 | 22:55 | 1.3 | NW | 22/10/2018 | 05:50 | 2.7 | SE | 22/10/2018 | 12:45 | 0 | --- |
| 21/10/2018 | 23:00 | 0.4 | ENE | 22/10/2018 | 05:55 | 1.3 | E | 22/10/2018 | 12:50 | 0 | S |
| 21/10/2018 | 23:05 | 0.9 | ENE | 22/10/2018 | 06:00 | 2.2 | ENE | 22/10/2018 | 12:55 | 0.4 | WSW |
| 21/10/2018 | 23:10 | 0.9 | NW | 22/10/2018 | 06:05 | 0.4 | ESE | 22/10/2018 | 13:00 | 0 | E |
| 21/10/2018 | 23:15 | 0.9 | NE | 22/10/2018 | 06:10 | 1.3 | SW | 22/10/2018 | 13:05 | 1.8 | ENE |
| 21/10/2018 | 23:20 | 1.8 | WNW | 22/10/2018 | 06:15 | 0.9 | NNW | 22/10/2018 | 13:10 | 0.9 | SW |
| 21/10/2018 | 23:25 | 1.3 | NW | 22/10/2018 | 06:20 | 1.8 | ENE | 22/10/2018 | 13:15 | 0.4 | SSW |
| 21/10/2018 | 23:30 | 0.9 | NE | 22/10/2018 | 06:25 | 1.3 | ESE | 22/10/2018 | 13:20 | 0 | WSW |
| 21/10/2018 | 23:35 | 1.8 | NW | 22/10/2018 | 06:30 | 0.9 | W | 22/10/2018 | 13:25 | 1.8 | ENE |
| 21/10/2018 | 23:40 | 1.8 | SW | 22/10/2018 | 06:35 | 4 | E | 22/10/2018 | 13:30 | 0 | --- |
| 21/10/2018 | 23:45 | 0.4 | NE | 22/10/2018 | 06:40 | 1.3 | SW | 22/10/2018 | 13:35 | 1.3 | E |
| 21/10/2018 | 23:50 | 0.9 | N | 22/10/2018 | 06:45 | 0 | --- | 22/10/2018 | 13:40 | 0.9 | ESE |
| 21/10/2018 | 23:55 | 0.9 | N | 22/10/2018 | 06:50 | 0.4 | NNW | 22/10/2018 | 13:45 | 1.8 | ESE |
| 22/10/2018 | 00:00 | 0.4 | N | 22/10/2018 | 06:55 | 3.1 | E | 22/10/2018 | 13:50 | 0 | ESE |
| 22/10/2018 | 00:05 | 1.3 | S | 22/10/2018 | 07:00 | 0 | --- | 22/10/2018 | 13:55 | 0 | --- |
| 22/10/2018 | 00:10 | 0.9 | S | 22/10/2018 | 07:05 | 4 | ENE | 22/10/2018 | 14:00 | 0.9 | E |
| 22/10/2018 | 00:15 | 0 | --- | 22/10/2018 | 07:10 | 1.3 | ENE | 22/10/2018 | 14:05 | 0.4 | NNW |
| 22/10/2018 | 00:20 | 0.4 | SSW | 22/10/2018 | 07:15 | 0.9 | E | 22/10/2018 | 14:10 | 0.4 | SSW |
| 22/10/2018 | 00:25 | 1.8 | ENE | 22/10/2018 | 07:20 | 0 | --- | 22/10/2018 | 14:15 | 0 | --- |
| 22/10/2018 | 00:30 | 1.8 | NE | 22/10/2018 | 07:25 | 3.1 | E | 22/10/2018 | 14:20 | 0 | SSW |
| 22/10/2018 | 00:35 | 1.3 | E | 22/10/2018 | 07:30 | 1.3 | E | 22/10/2018 | 14:25 | 1.3 | ESE |
| 22/10/2018 | 00:40 | 3.1 | ENE | 22/10/2018 | 07:35 | 0.9 | WSW | 22/10/2018 | 14:30 | 0.4 | SSW |
| 22/10/2018 | 00:45 | 0.9 | SSW | 22/10/2018 | 07:40 | 0.9 | E | 22/10/2018 | 14:35 | 0.9 | WSW |
| 22/10/2018 | 00:50 | 0.4 | ESE | 22/10/2018 | 07:45 | 1.3 | ESE | 22/10/2018 | 14:40 | 3.6 | NE |
| 22/10/2018 | 00:55 | 0.9 | S | 22/10/2018 | 07:50 | 1.8 | SSW | 22/10/2018 | 14:45 | 0.9 | ESE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22/10/2018 | 14:50 | 0 | --- | 22/10/2018 | 21:45 | 1.8 | NE | 23/10/2018 | 04:40 | 3.6 | E |
| 22/10/2018 | 14:55 | 1.3 | SW | 22/10/2018 | 21:50 | 0.9 | W | 23/10/2018 | 04:45 | 3.1 | ENE |
| 22/10/2018 | 15:00 | 1.3 | E | 22/10/2018 | 21:55 | 1.8 | E | 23/10/2018 | 04:50 | 1.3 | E |
| 22/10/2018 | 15:05 | 1.3 | ESE | 22/10/2018 | 22:00 | 0.4 | SSE | 23/10/2018 | 04:55 | 4 | E |
| 22/10/2018 | 15:10 | 0 | --- | 22/10/2018 | 22:05 | 0.9 | ENE | 23/10/2018 | 05:00 | 0.4 | SE |
| 22/10/2018 | 15:15 | 0.9 | S | 22/10/2018 | 22:10 | 0.4 | S | 23/10/2018 | 05:05 | 2.2 | ENE |
| 22/10/2018 | 15:20 | 1.3 | SW | 22/10/2018 | 22:15 | 2.2 | E | 23/10/2018 | 05:10 | 3.1 | ENE |
| 22/10/2018 | 15:25 | 0.4 | N | 22/10/2018 | 22:20 | 1.8 | ENE | 23/10/2018 | 05:15 | 1.3 | E |
| 22/10/2018 | 15:30 | 2.2 | E | 22/10/2018 | 22:25 | 0.4 | SSW | 23/10/2018 | 05:20 | 1.8 | NE |
| 22/10/2018 | 15:35 | 1.3 | WSW | 22/10/2018 | 22:30 | 0 | --- | 23/10/2018 | 05:25 | 2.7 | ENE |
| 22/10/2018 | 15:40 | 0 | WNW | 22/10/2018 | 22:35 | 0.4 | NW | 23/10/2018 | 05:30 | 1.8 | E |
| 22/10/2018 | 15:45 | 1.3 | E | 22/10/2018 | 22:40 | 0.9 | SSW | 23/10/2018 | 05:35 | 0.9 | ENE |
| 22/10/2018 | 15:50 | 0 | --- | 22/10/2018 | 22:45 | 3.6 | NE | 23/10/2018 | 05:40 | 3.6 | ENE |
| 22/10/2018 | 15:55 | 0.4 | WSW | 22/10/2018 | 22:50 | 0.9 | S | 23/10/2018 | 05:45 | 1.3 | NE |
| 22/10/2018 | 16:00 | 1.3 | WSW | 22/10/2018 | 22:55 | 1.3 | ESE | 23/10/2018 | 05:50 | 4.9 | E |
| 22/10/2018 | 16:05 | 1.8 | NE | 22/10/2018 | 23:00 | 0.4 | WNW | 23/10/2018 | 05:55 | 1.3 | E |
| 22/10/2018 | 16:10 | 2.2 | E | 22/10/2018 | 23:05 | 1.3 | WSW | 23/10/2018 | 06:00 | 1.8 | NE |
| 22/10/2018 | 16:15 | 0.9 | E | 22/10/2018 | 23:10 | 0.4 | S | 23/10/2018 | 06:05 | 2.2 | ENE |
| 22/10/2018 | 16:20 | 3.6 | E | 22/10/2018 | 23:15 | 1.3 | ESE | 23/10/2018 | 06:10 | 0.9 | NE |
| 22/10/2018 | 16:25 | 0 | E | 22/10/2018 | 23:20 | 1.3 | SSW | 23/10/2018 | 06:15 | 0.9 | E |
| 22/10/2018 | 16:30 | 2.2 | W | 22/10/2018 | 23:25 | 1.8 | NNE | 23/10/2018 | 06:20 | 2.2 | NE |
| 22/10/2018 | 16:35 | 0.9 | SSW | 22/10/2018 | 23:30 | 1.3 | ESE | 23/10/2018 | 06:25 | 3.6 | ENE |
| 22/10/2018 | 16:40 | 0.4 | W | 22/10/2018 | 23:35 | 0.9 | S | 23/10/2018 | 06:30 | 3.1 | E |
| 22/10/2018 | 16:45 | 0.4 | SSW | 22/10/2018 | 23:40 | 0.4 | SW | 23/10/2018 | 06:35 | 1.3 | NE |
| 22/10/2018 | 16:50 | 1.3 | NNW | 22/10/2018 | 23:45 | 1.3 | E | 23/10/2018 | 06:40 | 5.4 | ENE |
| 22/10/2018 | 16:55 | 3.1 | E | 22/10/2018 | 23:50 | 0.9 | SSW | 23/10/2018 | 06:45 | 3.1 | E |
| 22/10/2018 | 17:00 | 3.1 | ENE | 22/10/2018 | 23:55 | 0.4 | SW | 23/10/2018 | 06:50 | 2.2 | ENE |
| 22/10/2018 | 17:05 | 0.4 | E | 23/10/2018 | 00:00 | 1.8 | NE | 23/10/2018 | 06:55 | 1.8 | ENE |
| 22/10/2018 | 17:10 | 0 | --- | 23/10/2018 | 00:05 | 1.8 | NE | 23/10/2018 | 07:00 | 1.8 | NE |
| 22/10/2018 | 17:15 | 1.3 | W | 23/10/2018 | 00:10 | 2.2 | ENE | 23/10/2018 | 07:05 | 3.1 | E |
| 22/10/2018 | 17:20 | 1.3 | S | 23/10/2018 | 00:15 | 4.9 | ENE | 23/10/2018 | 07:10 | 1.8 | ENE |
| 22/10/2018 | 17:25 | 0 | --- | 23/10/2018 | 00:20 | 2.7 | NE | 23/10/2018 | 07:15 | 3.1 | ENE |
| 22/10/2018 | 17:30 | 1.3 | WSW | 23/10/2018 | 00:25 | 2.2 | E | 23/10/2018 | 07:20 | 0.9 | E |
| 22/10/2018 | 17:35 | 0.9 | ESE | 23/10/2018 | 00:30 | 2.7 | ENE | 23/10/2018 | 07:25 | 4.9 | ENE |
| 22/10/2018 | 17:40 | 0.9 | SW | 23/10/2018 | 00:35 | 4 | E | 23/10/2018 | 07:30 | 0.4 | E |
| 22/10/2018 | 17:45 | 2.2 | ENE | 23/10/2018 | 00:40 | 2.7 | ENE | 23/10/2018 | 07:35 | 1.8 | ENE |
| 22/10/2018 | 17:50 | 1.3 | E | 23/10/2018 | 00:45 | 6.7 | ENE | 23/10/2018 | 07:40 | 0.9 | ENE |
| 22/10/2018 | 17:55 | 1.8 | NE | 23/10/2018 | 00:50 | 2.2 | ENE | 23/10/2018 | 07:45 | 4 | E |
| 22/10/2018 | 18:00 | 0 | --- | 23/10/2018 | 00:55 | 2.2 | ENE | 23/10/2018 | 07:50 | 3.1 | E |
| 22/10/2018 | 18:05 | 1.8 | E | 23/10/2018 | 01:00 | 4.5 | E | 23/10/2018 | 07:55 | 2.2 | NE |
| 22/10/2018 | 18:10 | 0 | W | 23/10/2018 | 01:05 | 5.8 | ENE | 23/10/2018 | 08:00 | 1.3 | E |
| 22/10/2018 | 18:15 | 0.4 | NNE | 23/10/2018 | 01:10 | 1.3 | NE | 23/10/2018 | 08:05 | 0.9 | E |
| 22/10/2018 | 18:20 | 1.3 | SSW | 23/10/2018 | 01:15 | 5.4 | ENE | 23/10/2018 | 08:10 | 2.7 | ENE |
| 22/10/2018 | 18:25 | 0.9 | ESE | 23/10/2018 | 01:20 | 4 | ENE | 23/10/2018 | 08:15 | 5.4 | ENE |
| 22/10/2018 | 18:30 | 3.1 | E | 23/10/2018 | 01:25 | 2.2 | E | 23/10/2018 | 08:20 | 2.2 | ENE |
| 22/10/2018 | 18:35 | 1.3 | E | 23/10/2018 | 01:30 | 1.3 | NNE | 23/10/2018 | 08:25 | 1.3 | NE |
| 22/10/2018 | 18:40 | 0.9 | SW | 23/10/2018 | 01:35 | 3.1 | E | 23/10/2018 | 08:30 | 1.8 | ENE |
| 22/10/2018 | 18:45 | 0.9 | ESE | 23/10/2018 | 01:40 | 1.3 | NNE | 23/10/2018 | 08:35 | 2.2 | NE |
| 22/10/2018 | 18:50 | 1.3 | W | 23/10/2018 | 01:45 | 5.4 | ENE | 23/10/2018 | 08:40 | 1.3 | NNE |
| 22/10/2018 | 18:55 | 0 | --- | 23/10/2018 | 01:50 | 4.9 | ENE | 23/10/2018 | 08:45 | 1.8 | ENE |
| 22/10/2018 | 19:00 | 0.9 | ESE | 23/10/2018 | 01:55 | 1.8 | ENE | 23/10/2018 | 08:50 | 4 | ENE |
| 22/10/2018 | 19:05 | 1.8 | NE | 23/10/2018 | 02:00 | 2.7 | ENE | 23/10/2018 | 08:55 | 1.3 | NE |
| 22/10/2018 | 19:10 | 0 | SW | 23/10/2018 | 02:05 | 3.6 | E | 23/10/2018 | 09:00 | 2.7 | ENE |
| 22/10/2018 | 19:15 | 1.8 | NE | 23/10/2018 | 02:10 | 5.8 | ENE | 23/10/2018 | 09:05 | 0.9 | SSE |
| 22/10/2018 | 19:20 | 0 | SW | 23/10/2018 | 02:15 | 1.8 | E | 23/10/2018 | 09:10 | 4 | ENE |
| 22/10/2018 | 19:25 | 0.4 | ESE | 23/10/2018 | 02:20 | 0.4 | E | 23/10/2018 | 09:15 | 5.4 | E |
| 22/10/2018 | 19:30 | 0.4 | SSW | 23/10/2018 | 02:25 | 4 | ENE | 23/10/2018 | 09:20 | 1.8 | NE |
| 22/10/2018 | 19:35 | 0.9 | NE | 23/10/2018 | 02:30 | 4.5 | ENE | 23/10/2018 | 09:25 | 0.9 | ENE |
| 22/10/2018 | 19:40 | 1.8 | ESE | 23/10/2018 | 02:35 | 3.6 | ENE | 23/10/2018 | 09:30 | 5.8 | ENE |
| 22/10/2018 | 19:45 | 3.1 | ENE | 23/10/2018 | 02:40 | 0.9 | E | 23/10/2018 | 09:35 | 5.4 | E |
| 22/10/2018 | 19:50 | 3.1 | NE | 23/10/2018 | 02:45 | 1.3 | NE | 23/10/2018 | 09:40 | 1.8 | ENE |
| 22/10/2018 | 19:55 | 1.3 | ENE | 23/10/2018 | 02:50 | 1.8 | ENE | 23/10/2018 | 09:45 | 3.1 | E |
| 22/10/2018 | 20:00 | 0 | --- | 23/10/2018 | 02:55 | 4 | E | 23/10/2018 | 09:50 | 1.3 | E |
| 22/10/2018 | 20:05 | 0.4 | SSW | 23/10/2018 | 03:00 | 5.8 | ENE | 23/10/2018 | 09:55 | 6.3 | ENE |
| 22/10/2018 | 20:10 | 0.4 | E | 23/10/2018 | 03:05 | 3.1 | ENE | 23/10/2018 | 10:00 | 3.6 | E |
| 22/10/2018 | 20:15 | 0.9 | ESE | 23/10/2018 | 03:10 | 0.9 | NNE | 23/10/2018 | 10:05 | 1.3 | ENE |
| 22/10/2018 | 20:20 | 0.4 | WNW | 23/10/2018 | 03:15 | 1.3 | E | 23/10/2018 | 10:10 | 0.9 | ENE |
| 22/10/2018 | 20:25 | 0.4 | E | 23/10/2018 | 03:20 | 3.1 | ENE | 23/10/2018 | 10:15 | 4 | ENE |
| 22/10/2018 | 20:30 | 0 | --- | 23/10/2018 | 03:25 | 2.2 | ENE | 23/10/2018 | 10:20 | 1.8 | ENE |
| 22/10/2018 | 20:35 | 0 | --- | 23/10/2018 | 03:30 | 0.4 | ENE | 23/10/2018 | 10:25 | 1.8 | ENE |
| 22/10/2018 | 20:40 | 1.8 | E | 23/10/2018 | 03:35 | 0.9 | E | 23/10/2018 | 10:30 | 5.8 | ENE |
| 22/10/2018 | 20:45 | 0 | --- | 23/10/2018 | 03:40 | 1.8 | NE | 23/10/2018 | 10:35 | 0.9 | E |
| 22/10/2018 | 20:50 | 0.4 | E | 23/10/2018 | 03:45 | 1.3 | E | 23/10/2018 | 10:40 | 1.8 | NE |
| 22/10/2018 | 20:55 | 1.3 | SSW | 23/10/2018 | 03:50 | 4.9 | E | 23/10/2018 | 10:45 | 6.3 | NE |
| 22/10/2018 | 21:00 | 0 | SSW | 23/10/2018 | 03:55 | 1.3 | ENE | 23/10/2018 | 10:50 | 3.6 | ENE |
| 22/10/2018 | 21:05 | 1.8 | ESE | 23/10/2018 | 04:00 | 1.3 | NE | 23/10/2018 | 10:55 | 4 | ENE |
| 22/10/2018 | 21:10 | 3.6 | ENE | 23/10/2018 | 04:05 | 2.2 | ENE | 23/10/2018 | 11:00 | 0.9 | E |
| 22/10/2018 | 21:15 | 0.9 | SSW | 23/10/2018 | 04:10 | 4.9 | E | 23/10/2018 | 11:05 | 0.9 | ENE |
| 22/10/2018 | 21:20 | 0.9 | NW | 23/10/2018 | 04:15 | 1.3 | ENE | 23/10/2018 | 11:10 | 1.8 | ENE |
| 22/10/2018 | 21:25 | 0 | --- | 23/10/2018 | 04:20 | 5.4 | E | 23/10/2018 | 11:15 | 6.3 | ENE |
| 22/10/2018 | 21:30 | 0 | --- | 23/10/2018 | 04:25 | 3.6 | E | 23/10/2018 | 11:20 | 4.5 | ENE |
| 22/10/2018 | 21:35 | 5.4 | NE | 23/10/2018 | 04:30 | 3.1 | E | 23/10/2018 | 11:25 | 5.8 | E |
| 22/10/2018 | 21:40 | 3.6 | E | 23/10/2018 | 04:35 | 1.8 | ENE | 23/10/2018 | 11:30 | 3.1 | E |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23/10/2018 | 11:35 | 5.4 | NE | 23/10/2018 | 18:30 | 3.6 | E | 24/10/2018 | 01:25 | 1.8 | N |
| 23/10/2018 | 11:40 | 4.5 | E | 23/10/2018 | 18:35 | 1.3 | ENE | 24/10/2018 | 01:30 | 1.8 | NW |
| 23/10/2018 | 11:45 | 5.4 | ENE | 23/10/2018 | 18:40 | 1.3 | NNE | 24/10/2018 | 01:35 | 1.3 | W |
| 23/10/2018 | 11:50 | 0.4 | ENE | 23/10/2018 | 18:45 | 2.2 | ENE | 24/10/2018 | 01:40 | 0.9 | N |
| 23/10/2018 | 11:55 | 1.3 | ENE | 23/10/2018 | 18:50 | 5.4 | ENE | 24/10/2018 | 01:45 | 0.9 | WSW |
| 23/10/2018 | 12:00 | 2.2 | NE | 23/10/2018 | 18:55 | 1.8 | ENE | 24/10/2018 | 01:50 | 0.9 | ENE |
| 23/10/2018 | 12:05 | 5.4 | ENE | 23/10/2018 | 19:00 | 4 | E | 24/10/2018 | 01:55 | 3.1 | W |
| 23/10/2018 | 12:10 | 1.3 | NNE | 23/10/2018 | 19:05 | 3.6 | E | 24/10/2018 | 02:00 | 1.3 | NE |
| 23/10/2018 | 12:15 | 1.3 | ENE | 23/10/2018 | 19:10 | 0.9 | NE | 24/10/2018 | 02:05 | 2.2 | NW |
| 23/10/2018 | 12:20 | 4.9 | ENE | 23/10/2018 | 19:15 | 1.3 | NNE | 24/10/2018 | 02:10 | 3.6 | ENE |
| 23/10/2018 | 12:25 | 0.4 | E | 23/10/2018 | 19:20 | 5.8 | ENE | 24/10/2018 | 02:15 | 1.3 | W |
| 23/10/2018 | 12:30 | 4.5 | E | 23/10/2018 | 19:25 | 1.3 | ENE | 24/10/2018 | 02:20 | 1.8 | WNW |
| 23/10/2018 | 12:35 | 0.9 | ENE | 23/10/2018 | 19:30 | 4 | ENE | 24/10/2018 | 02:25 | 2.2 | NNE |
| 23/10/2018 | 12:40 | 2.2 | ENE | 23/10/2018 | 19:35 | 2.2 | NE | 24/10/2018 | 02:30 | 3.1 | W |
| 23/10/2018 | 12:45 | 0.4 | ENE | 23/10/2018 | 19:40 | 0.9 | E | 24/10/2018 | 02:35 | 2.2 | E |
| 23/10/2018 | 12:50 | 0.4 | NE | 23/10/2018 | 19:45 | 0.9 | E | 24/10/2018 | 02:40 | 0.9 | NE |
| 23/10/2018 | 12:55 | 4.5 | E | 23/10/2018 | 19:50 | 1.8 | NE | 24/10/2018 | 02:45 | 4 | ENE |
| 23/10/2018 | 13:00 | 1.3 | ENE | 23/10/2018 | 19:55 | 0.4 | NE | 24/10/2018 | 02:50 | 0.4 | NNW |
| 23/10/2018 | 13:05 | 1.3 | E | 23/10/2018 | 20:00 | 5.8 | E | 24/10/2018 | 02:55 | 2.7 | WNW |
| 23/10/2018 | 13:10 | 2.2 | E | 23/10/2018 | 20:05 | 1.3 | NE | 24/10/2018 | 03:00 | 2.7 | W |
| 23/10/2018 | 13:15 | 3.1 | ENE | 23/10/2018 | 20:10 | 4 | E | 24/10/2018 | 03:05 | 1.8 | WNW |
| 23/10/2018 | 13:20 | 4 | E | 23/10/2018 | 20:15 | 0.9 | NE | 24/10/2018 | 03:10 | 1.8 | NE |
| 23/10/2018 | 13:25 | 1.3 | NE | 23/10/2018 | 20:20 | 1.3 | ENE | 24/10/2018 | 03:15 | 1.8 | ENE |
| 23/10/2018 | 13:30 | 3.6 | ENE | 23/10/2018 | 20:25 | 1.8 | NE | 24/10/2018 | 03:20 | 1.3 | NE |
| 23/10/2018 | 13:35 | 1.3 | NE | 23/10/2018 | 20:30 | 1.8 | NE | 24/10/2018 | 03:25 | 1.8 | NW |
| 23/10/2018 | 13:40 | 1.3 | NNW | 23/10/2018 | 20:35 | 1.8 | ENE | 24/10/2018 | 03:30 | 1.3 | ENE |
| 23/10/2018 | 13:45 | 1.3 | NE | 23/10/2018 | 20:40 | 0.9 | ENE | 24/10/2018 | 03:35 | 2.7 | W |
| 23/10/2018 | 13:50 | 1.3 | E | 23/10/2018 | 20:45 | 0.4 | ENE | 24/10/2018 | 03:40 | 1.3 | ENE |
| 23/10/2018 | 13:55 | 5.4 | ENE | 23/10/2018 | 20:50 | 1.8 | ENE | 24/10/2018 | 03:45 | 0.9 | NE |
| 23/10/2018 | 14:00 | 4 | ENE | 23/10/2018 | 20:55 | 2.7 | ENE | 24/10/2018 | 03:50 | 1.3 | N |
| 23/10/2018 | 14:05 | 0.9 | NE | 23/10/2018 | 21:00 | 1.8 | E | 24/10/2018 | 03:55 | 1.3 | W |
| 23/10/2018 | 14:10 | 4 | ENE | 23/10/2018 | 21:05 | 1.3 | ENE | 24/10/2018 | 04:00 | 3.1 | NE |
| 23/10/2018 | 14:15 | 4 | E | 23/10/2018 | 21:10 | 0.9 | E | 24/10/2018 | 04:05 | 4 | WSW |
| 23/10/2018 | 14:20 | 1.3 | NE | 23/10/2018 | 21:15 | 0.4 | NE | 24/10/2018 | 04:10 | 3.6 | NE |
| 23/10/2018 | 14:25 | 0.9 | E | 23/10/2018 | 21:20 | 1.3 | E | 24/10/2018 | 04:15 | 1.8 | ENE |
| 23/10/2018 | 14:30 | 3.6 | E | 23/10/2018 | 21:25 | 5.8 | E | 24/10/2018 | 04:20 | 0.4 | NNE |
| 23/10/2018 | 14:35 | 5.4 | ENE | 23/10/2018 | 21:30 | 4 | E | 24/10/2018 | 04:25 | 1.3 | NNW |
| 23/10/2018 | 14:40 | 2.7 | ENE | 23/10/2018 | 21:35 | 4.9 | E | 24/10/2018 | 04:30 | 1.3 | N |
| 23/10/2018 | 14:45 | 4.9 | E | 23/10/2018 | 21:40 | 2.2 | ENE | 24/10/2018 | 04:35 | 2.2 | NW |
| 23/10/2018 | 14:50 | 5.4 | ENE | 23/10/2018 | 21:45 | 0.4 | NE | 24/10/2018 | 04:40 | 2.2 | W |
| 23/10/2018 | 14:55 | 3.1 | E | 23/10/2018 | 21:50 | 1.8 | NE | 24/10/2018 | 04:45 | 1.8 | W |
| 23/10/2018 | 15:00 | 2.7 | E | 23/10/2018 | 21:55 | 1.3 | ENE | 24/10/2018 | 04:50 | 0.9 | NE |
| 23/10/2018 | 15:05 | 6.3 | ENE | 23/10/2018 | 22:00 | 0.9 | NE | 24/10/2018 | 04:55 | 2.2 | N |
| 23/10/2018 | 15:10 | 0.9 | ENE | 23/10/2018 | 22:05 | 3.1 | E | 24/10/2018 | 05:00 | 2.2 | NE |
| 23/10/2018 | 15:15 | 5.8 | ENE | 23/10/2018 | 22:10 | 2.2 | NE | 24/10/2018 | 05:05 | 2.2 | NE |
| 23/10/2018 | 15:20 | 3.6 | E | 23/10/2018 | 22:15 | 0.9 | ENE | 24/10/2018 | 05:10 | 4 | NE |
| 23/10/2018 | 15:25 | 3.1 | ENE | 23/10/2018 | 22:20 | 2.2 | ENE | 24/10/2018 | 05:15 | 2.2 | E |
| 23/10/2018 | 15:30 | 5.8 | ENE | 23/10/2018 | 22:25 | 1.8 | NE | 24/10/2018 | 05:20 | 3.1 | W |
| 23/10/2018 | 15:35 | 5.4 | E | 23/10/2018 | 22:30 | 5.8 | ENE | 24/10/2018 | 05:25 | 4.5 | ENE |
| 23/10/2018 | 15:40 | 5.4 | ENE | 23/10/2018 | 22:35 | 1.8 | NNE | 24/10/2018 | 05:30 | 1.8 | NE |
| 23/10/2018 | 15:45 | 3.6 | ENE | 23/10/2018 | 22:40 | 1.3 | NE | 24/10/2018 | 05:35 | 1.8 | ENE |
| 23/10/2018 | 15:50 | 2.7 | E | 23/10/2018 | 22:45 | 4.9 | ENE | 24/10/2018 | 05:40 | 0.4 | ESE |
| 23/10/2018 | 15:55 | 0.4 | NE | 23/10/2018 | 22:50 | 0.9 | ENE | 24/10/2018 | 05:45 | 0.9 | NE |
| 23/10/2018 | 16:00 | 2.2 | E | 23/10/2018 | 22:55 | 1.8 | NE | 24/10/2018 | 05:50 | 2.2 | NE |
| 23/10/2018 | 16:05 | 1.3 | NNE | 23/10/2018 | 23:00 | 0.9 | ENE | 24/10/2018 | 05:55 | 1.3 | NNE |
| 23/10/2018 | 16:10 | 6.7 | ENE | 23/10/2018 | 23:05 | 1.8 | ENE | 24/10/2018 | 06:00 | 2.2 | NE |
| 23/10/2018 | 16:15 | 1.3 | NE | 23/10/2018 | 23:10 | 2.2 | NE | 24/10/2018 | 06:05 | 1.8 | ESE |
| 23/10/2018 | 16:20 | 3.1 | E | 23/10/2018 | 23:15 | 2.7 | E | 24/10/2018 | 06:10 | 0.9 | NNW |
| 23/10/2018 | 16:25 | 4.9 | E | 23/10/2018 | 23:20 | 1.8 | NE | 24/10/2018 | 06:15 | 1.8 | NNW |
| 23/10/2018 | 16:30 | 0.9 | ENE | 23/10/2018 | 23:25 | 1.3 | NNE | 24/10/2018 | 06:20 | 2.2 | NE |
| 23/10/2018 | 16:35 | 1.8 | NE | 23/10/2018 | 23:30 | 1.3 | E | 24/10/2018 | 06:25 | 3.1 | NE |
| 23/10/2018 | 16:40 | 0.4 | NE | 23/10/2018 | 23:35 | 0.4 | NE | 24/10/2018 | 06:30 | 1.3 | WNW |
| 23/10/2018 | 16:45 | 0.9 | NE | 23/10/2018 | 23:40 | 4 | ENE | 24/10/2018 | 06:35 | 0.4 | ENE |
| 23/10/2018 | 16:50 | 0.9 | ENE | 23/10/2018 | 23:45 | 0.9 | ENE | 24/10/2018 | 06:40 | 2.2 | W |
| 23/10/2018 | 16:55 | 0.9 | E | 23/10/2018 | 23:50 | 5.4 | ENE | 24/10/2018 | 06:45 | 0.9 | N |
| 23/10/2018 | 17:00 | 1.8 | NNE | 23/10/2018 | 23:55 | 1.8 | NE | 24/10/2018 | 06:50 | 2.2 | W |
| 23/10/2018 | 17:05 | 2.7 | E | 24/10/2018 | 00:00 | 0.9 | ENE | 24/10/2018 | 06:55 | 2.7 | ENE |
| 23/10/2018 | 17:10 | 3.6 | E | 24/10/2018 | 00:05 | 3.1 | NE | 24/10/2018 | 07:00 | 3.1 | W |
| 23/10/2018 | 17:15 | 0.4 | ENE | 24/10/2018 | 00:10 | 0.9 | E | 24/10/2018 | 07:05 | 2.2 | WNW |
| 23/10/2018 | 17:20 | 1.8 | E | 24/10/2018 | 00:15 | 1.3 | N | 24/10/2018 | 07:10 | 2.2 | NE |
| 23/10/2018 | 17:25 | 5.8 | ENE | 24/10/2018 | 00:20 | 1.3 | N | 24/10/2018 | 07:15 | 1.8 | WNW |
| 23/10/2018 | 17:30 | 0.9 | NE | 24/10/2018 | 00:25 | 0.9 | NE | 24/10/2018 | 07:20 | 2.2 | NE |
| 23/10/2018 | 17:35 | 3.6 | E | 24/10/2018 | 00:30 | 0.9 | W | 24/10/2018 | 07:25 | 1.3 | NE |
| 23/10/2018 | 17:40 | 0.4 | ENE | 24/10/2018 | 00:35 | 2.2 | W | 24/10/2018 | 07:30 | 1.8 | NNW |
| 23/10/2018 | 17:45 | 3.1 | ENE | 24/10/2018 | 00:40 | 2.2 | WNW | 24/10/2018 | 07:35 | 2.7 | NE |
| 23/10/2018 | 17:50 | 4.5 | E | 24/10/2018 | 00:45 | 0.9 | N | 24/10/2018 | 07:40 | 4 | NE |
| 23/10/2018 | 17:55 | 5.4 | ENE | 24/10/2018 | 00:50 | 3.6 | NNE | 24/10/2018 | 07:45 | 2.7 | E |
| 23/10/2018 | 18:00 | 5.4 | ENE | 24/10/2018 | 00:55 | 2.2 | ENE | 24/10/2018 | 07:50 | 1.8 | NNE |
| 23/10/2018 | 18:05 | 1.3 | NE | 24/10/2018 | 01:00 | 4.9 | ENE | 24/10/2018 | 07:55 | 1.3 | N |
| 23/10/2018 | 18:10 | 1.3 | ENE | 24/10/2018 | 01:05 | 1.8 | NNE | 24/10/2018 | 08:00 | 2.2 | NE |
| 23/10/2018 | 18:15 | 3.1 | E | 24/10/2018 | 01:10 | 2.2 | W | 24/10/2018 | 08:05 | 1.8 | NE |
| 23/10/2018 | 18:20 | 1.3 | NE | 24/10/2018 | 01:15 | 1.8 | W | 24/10/2018 | 08:10 | 4 | ENE |
| 23/10/2018 | 18:25 | 2.7 | E | 24/10/2018 | 01:20 | 2.2 | ENE | 24/10/2018 | 08:15 | 1.3 | NNE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 24/10/2018 | 08:20 | 2.7 | W | 24/10/2018 | 15:15 | 2.7 | ENE | 24/10/2018 | 22:10 | 1.3 | N |
| 24/10/2018 | 08:25 | 2.2 | E | 24/10/2018 | 15:20 | 2.2 | W | 24/10/2018 | 22:15 | 1.8 | NNE |
| 24/10/2018 | 08:30 | 1.8 | NE | 24/10/2018 | 15:25 | 0.9 | ENE | 24/10/2018 | 22:20 | 1.3 | NE |
| 24/10/2018 | 08:35 | 4.5 | NE | 24/10/2018 | 15:30 | 4 | ENE | 24/10/2018 | 22:25 | 1.3 | NE |
| 24/10/2018 | 08:40 | 4 | WSW | 24/10/2018 | 15:35 | 0.9 | N | 24/10/2018 | 22:30 | 3.6 | NE |
| 24/10/2018 | 08:45 | 2.7 | WNW | 24/10/2018 | 15:40 | 1.8 | ENE | 24/10/2018 | 22:35 | 2.2 | W |
| 24/10/2018 | 08:50 | 1.3 | ENE | 24/10/2018 | 15:45 | 1.8 | NNE | 24/10/2018 | 22:40 | 3.1 | NE |
| 24/10/2018 | 08:55 | 2.2 | NE | 24/10/2018 | 15:50 | 1.3 | NNE | 24/10/2018 | 22:45 | 1.8 | W |
| 24/10/2018 | 09:00 | 1.3 | NE | 24/10/2018 | 15:55 | 3.6 | W | 24/10/2018 | 22:50 | 1.3 | NE |
| 24/10/2018 | 09:05 | 1.3 | NW | 24/10/2018 | 16:00 | 1.3 | NE | 24/10/2018 | 22:55 | 1.3 | W |
| 24/10/2018 | 09:10 | 1.3 | N | 24/10/2018 | 16:05 | 1.3 | NNW | 24/10/2018 | 23:00 | 4 | NE |
| 24/10/2018 | 09:15 | 1.8 | W | 24/10/2018 | 16:10 | 2.7 | W | 24/10/2018 | 23:05 | 1.8 | W |
| 24/10/2018 | 09:20 | 1.3 | E | 24/10/2018 | 16:15 | 0.9 | NNE | 24/10/2018 | 23:10 | 0.9 | NNE |
| 24/10/2018 | 09:25 | 1.3 | NNE | 24/10/2018 | 16:20 | 1.8 | NNE | 24/10/2018 | 23:15 | 1.3 | N |
| 24/10/2018 | 09:30 | 2.2 | E | 24/10/2018 | 16:25 | 1.8 | W | 24/10/2018 | 23:20 | 0.9 | NE |
| 24/10/2018 | 09:35 | 1.3 | ENE | 24/10/2018 | 16:30 | 1.3 | ENE | 24/10/2018 | 23:25 | 0.9 | NE |
| 24/10/2018 | 09:40 | 2.7 | W | 24/10/2018 | 16:35 | 2.7 | E | 24/10/2018 | 23:30 | 2.7 | WNW |
| 24/10/2018 | 09:45 | 1.8 | NNE | 24/10/2018 | 16:40 | 0.9 | NE | 24/10/2018 | 23:35 | 2.2 | NE |
| 24/10/2018 | 09:50 | 2.7 | W | 24/10/2018 | 16:45 | 3.6 | W | 24/10/2018 | 23:40 | 1.8 | NE |
| 24/10/2018 | 09:55 | 1.3 | NNE | 24/10/2018 | 16:50 | 2.2 | NE | 24/10/2018 | 23:45 | 2.7 | NE |
| 24/10/2018 | 10:00 | 0.4 | NNE | 24/10/2018 | 16:55 | 3.1 | NE | 24/10/2018 | 23:50 | 3.6 | WSW |
| 24/10/2018 | 10:05 | 1.8 | NW | 24/10/2018 | 17:00 | 2.2 | W | 24/10/2018 | 23:55 | 1.3 | ENE |
| 24/10/2018 | 10:10 | 4 | ENE | 24/10/2018 | 17:05 | 2.2 | NE | 25/10/2018 | 00:00 | 3.1 | NE |
| 24/10/2018 | 10:15 | 2.7 | W | 24/10/2018 | 17:10 | 4 | NE | 25/10/2018 | 00:05 | 1.3 | NNE |
| 24/10/2018 | 10:20 | 3.6 | WNW | 24/10/2018 | 17:15 | 3.1 | ENE | 25/10/2018 | 00:10 | 2.2 | NE |
| 24/10/2018 | 10:25 | 2.7 | W | 24/10/2018 | 17:20 | 1.8 | NNE | 25/10/2018 | 00:15 | 1.3 | NNW |
| 24/10/2018 | 10:30 | 2.2 | NE | 24/10/2018 | 17:25 | 1.8 | W | 25/10/2018 | 00:20 | 3.6 | ENE |
| 24/10/2018 | 10:35 | 0.9 | E | 24/10/2018 | 17:30 | 2.2 | NE | 25/10/2018 | 00:25 | 1.3 | E |
| 24/10/2018 | 10:40 | 1.3 | NE | 24/10/2018 | 17:35 | 2.2 | WNW | 25/10/2018 | 00:30 | 0.4 | WSW |
| 24/10/2018 | 10:45 | 1.3 | N | 24/10/2018 | 17:40 | 2.2 | E | 25/10/2018 | 00:35 | 2.2 | ENE |
| 24/10/2018 | 10:50 | 2.7 | E | 24/10/2018 | 17:45 | 1.8 | WNW | 25/10/2018 | 00:40 | 4.5 | ENE |
| 24/10/2018 | 10:55 | 0.4 | W | 24/10/2018 | 17:50 | 2.7 | NE | 25/10/2018 | 00:45 | 1.8 | NNE |
| 24/10/2018 | 11:00 | 2.2 | NE | 24/10/2018 | 17:55 | 1.8 | NE | 25/10/2018 | 00:50 | 0.9 | E |
| 24/10/2018 | 11:05 | 1.3 | N | 24/10/2018 | 18:00 | 1.8 | N | 25/10/2018 | 00:55 | 1.3 | NNW |
| 24/10/2018 | 11:10 | 1.8 | NNW | 24/10/2018 | 18:05 | 0.9 | NW | 25/10/2018 | 01:00 | 1.3 | ENE |
| 24/10/2018 | 11:15 | 1.3 | NE | 24/10/2018 | 18:10 | 2.7 | NW | 25/10/2018 | 01:05 | 0.4 | WSW |
| 24/10/2018 | 11:20 | 1.3 | NNW | 24/10/2018 | 18:15 | 3.6 | W | 25/10/2018 | 01:10 | 2.2 | NE |
| 24/10/2018 | 11:25 | 2.7 | ENE | 24/10/2018 | 18:20 | 0.9 | NE | 25/10/2018 | 01:15 | 1.8 | NNE |
| 24/10/2018 | 11:30 | 3.6 | ENE | 24/10/2018 | 18:25 | 2.7 | W | 25/10/2018 | 01:20 | 0.4 | WSW |
| 24/10/2018 | 11:35 | 0.4 | NNE | 24/10/2018 | 18:30 | 1.8 | NW | 25/10/2018 | 01:25 | 0.9 | WSW |
| 24/10/2018 | 11:40 | 1.3 | WNW | 24/10/2018 | 18:35 | 0.9 | N | 25/10/2018 | 01:30 | 2.2 | ENE |
| 24/10/2018 | 11:45 | 4.5 | ENE | 24/10/2018 | 18:40 | 0.4 | NNE | 25/10/2018 | 01:35 | 2.7 | NNE |
| 24/10/2018 | 11:50 | 2.2 | NE | 24/10/2018 | 18:45 | 2.2 | NNE | 25/10/2018 | 01:40 | 0.4 | WSW |
| 24/10/2018 | 11:55 | 2.7 | NW | 24/10/2018 | 18:50 | 1.8 | N | 25/10/2018 | 01:45 | 1.8 | NE |
| 24/10/2018 | 12:00 | 1.3 | ENE | 24/10/2018 | 18:55 | 0.9 | NE | 25/10/2018 | 01:50 | 0.9 | ENE |
| 24/10/2018 | 12:05 | 1.3 | NNE | 24/10/2018 | 19:00 | 4 | W | 25/10/2018 | 01:55 | 2.2 | ENE |
| 24/10/2018 | 12:10 | 1.8 | WNW | 24/10/2018 | 19:05 | 3.6 | ENE | 25/10/2018 | 02:00 | 2.2 | ENE |
| 24/10/2018 | 12:15 | 3.1 | W | 24/10/2018 | 19:10 | 1.3 | NNE | 25/10/2018 | 02:05 | 0.9 | W |
| 24/10/2018 | 12:20 | 2.2 | WNW | 24/10/2018 | 19:15 | 0.9 | NE | 25/10/2018 | 02:10 | 0.9 | NNW |
| 24/10/2018 | 12:25 | 3.6 | NE | 24/10/2018 | 19:20 | 1.8 | E | 25/10/2018 | 02:15 | 2.2 | NNE |
| 24/10/2018 | 12:30 | 1.8 | E | 24/10/2018 | 19:25 | 1.3 | N | 25/10/2018 | 02:20 | 0.4 | NNW |
| 24/10/2018 | 12:35 | 0.4 | ENE | 24/10/2018 | 19:30 | 0.9 | NNE | 25/10/2018 | 02:25 | 0.4 | W |
| 24/10/2018 | 12:40 | 1.8 | N | 24/10/2018 | 19:35 | 2.2 | E | 25/10/2018 | 02:30 | 0.4 | WSW |
| 24/10/2018 | 12:45 | 2.2 | NE | 24/10/2018 | 19:40 | 2.2 | E | 25/10/2018 | 02:35 | 2.2 | ENE |
| 24/10/2018 | 12:50 | 1.3 | NE | 24/10/2018 | 19:45 | 1.8 | NNE | 25/10/2018 | 02:40 | 0.9 | WSW |
| 24/10/2018 | 12:55 | 2.7 | W | 24/10/2018 | 19:50 | 2.7 | ENE | 25/10/2018 | 02:45 | 2.2 | ENE |
| 24/10/2018 | 13:00 | 1.8 | W | 24/10/2018 | 19:55 | 4.5 | NNE | 25/10/2018 | 02:50 | 2.2 | E |
| 24/10/2018 | 13:05 | 1.8 | W | 24/10/2018 | 20:00 | 1.8 | WNW | 25/10/2018 | 02:55 | 0.9 | ENE |
| 24/10/2018 | 13:10 | 3.6 | W | 24/10/2018 | 20:05 | 1.3 | NNW | 25/10/2018 | 03:00 | 2.2 | E |
| 24/10/2018 | 13:15 | 1.3 | NE | 24/10/2018 | 20:10 | 1.3 | NW | 25/10/2018 | 03:05 | 2.2 | NE |
| 24/10/2018 | 13:20 | 4.5 | NE | 24/10/2018 | 20:15 | 1.8 | NW | 25/10/2018 | 03:10 | 1.3 | ENE |
| 24/10/2018 | 13:25 | 0.9 | NNE | 24/10/2018 | 20:20 | 0.9 | N | 25/10/2018 | 03:15 | 2.7 | ENE |
| 24/10/2018 | 13:30 | 2.2 | E | 24/10/2018 | 20:25 | 0.9 | NNW | 25/10/2018 | 03:20 | 3.1 | ENE |
| 24/10/2018 | 13:35 | 2.2 | NE | 24/10/2018 | 20:30 | 2.2 | E | 25/10/2018 | 03:25 | 0.9 | WNW |
| 24/10/2018 | 13:40 | 0.9 | NNE | 24/10/2018 | 20:35 | 0.9 | NNE | 25/10/2018 | 03:30 | 0.4 | W |
| 24/10/2018 | 13:45 | 2.7 | WNW | 24/10/2018 | 20:40 | 2.2 | W | 25/10/2018 | 03:35 | 0.9 | WSW |
| 24/10/2018 | 13:50 | 0.4 | E | 24/10/2018 | 20:45 | 0.4 | ENE | 25/10/2018 | 03:40 | 1.3 | ENE |
| 24/10/2018 | 13:55 | 2.2 | WSW | 24/10/2018 | 20:50 | 0.9 | NE | 25/10/2018 | 03:45 | 2.2 | ENE |
| 24/10/2018 | 14:00 | 1.3 | NE | 24/10/2018 | 20:55 | 2.7 | W | 25/10/2018 | 03:50 | 3.1 | ENE |
| 24/10/2018 | 14:05 | 1.3 | W | 24/10/2018 | 21:00 | 3.1 | W | 25/10/2018 | 03:55 | 0.4 | E |
| 24/10/2018 | 14:10 | 1.8 | NW | 24/10/2018 | 21:05 | 0.9 | WNW | 25/10/2018 | 04:00 | 1.3 | E |
| 24/10/2018 | 14:15 | 0.9 | NE | 24/10/2018 | 21:10 | 1.3 | WNW | 25/10/2018 | 04:05 | 1.3 | W |
| 24/10/2018 | 14:20 | 2.7 | WNW | 24/10/2018 | 21:15 | 1.3 | WSW | 25/10/2018 | 04:10 | 1.3 | NE |
| 24/10/2018 | 14:25 | 3.6 | NE | 24/10/2018 | 21:20 | 1.8 | W | 25/10/2018 | 04:15 | 3.1 | NE |
| 24/10/2018 | 14:30 | 1.8 | NE | 24/10/2018 | 21:25 | 1.3 | NNE | 25/10/2018 | 04:20 | 0.9 | N |
| 24/10/2018 | 14:35 | 1.8 | WSW | 24/10/2018 | 21:30 | 1.3 | NNE | 25/10/2018 | 04:25 | 1.3 | NE |
| 24/10/2018 | 14:40 | 4.5 | ENE | 24/10/2018 | 21:35 | 1.3 | NE | 25/10/2018 | 04:30 | 1.3 | NE |
| 24/10/2018 | 14:45 | 1.3 | NE | 24/10/2018 | 21:40 | 2.7 | NE | 25/10/2018 | 04:35 | 2.7 | ENE |
| 24/10/2018 | 14:50 | 1.8 | NE | 24/10/2018 | 21:45 | 3.6 | NNE | 25/10/2018 | 04:40 | 0.4 | ESE |
| 24/10/2018 | 14:55 | 4 | NE | 24/10/2018 | 21:50 | 4 | W | 25/10/2018 | 04:45 | 2.2 | E |
| 24/10/2018 | 15:00 | 1.8 | WNW | 24/10/2018 | 21:55 | 3.6 | E | 25/10/2018 | 04:50 | 3.1 | ENE |
| 24/10/2018 | 15:05 | 1.3 | NNE | 24/10/2018 | 22:00 | 1.3 | ENE | 25/10/2018 | 04:55 | 0.9 | E |
| 24/10/2018 | 15:10 | 0.9 | NNE | 24/10/2018 | 22:05 | 3.1 | ENE | 25/10/2018 | 05:00 | 0.9 | NNW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 25/10/2018 | 05:05 | 1.3 | NNE | 25/10/2018 | 12:00 | 2.7 | E | 25/10/2018 | 18:55 | 1.8 | NW |
| 25/10/2018 | 05:10 | 1.8 | ENE | 25/10/2018 | 12:05 | 0.9 | W | 25/10/2018 | 19:00 | 2.2 | ENE |
| 25/10/2018 | 05:15 | 4 | ENE | 25/10/2018 | 12:10 | 1.8 | NE | 25/10/2018 | 19:05 | 0.9 | ENE |
| 25/10/2018 | 05:20 | 0.4 | WSW | 25/10/2018 | 12:15 | 2.2 | ENE | 25/10/2018 | 19:10 | 3.1 | NE |
| 25/10/2018 | 05:25 | 2.2 | ENE | 25/10/2018 | 12:20 | 3.6 | ENE | 25/10/2018 | 19:15 | 1.8 | NNE |
| 25/10/2018 | 05:30 | 0.4 | WSW | 25/10/2018 | 12:25 | 3.1 | E | 25/10/2018 | 19:20 | 0.9 | ENE |
| 25/10/2018 | 05:35 | 2.7 | E | 25/10/2018 | 12:30 | 0.4 | E | 25/10/2018 | 19:25 | 1.8 | NNE |
| 25/10/2018 | 05:40 | 2.7 | NNE | 25/10/2018 | 12:35 | 0.9 | ENE | 25/10/2018 | 19:30 | 1.3 | ENE |
| 25/10/2018 | 05:45 | 0.4 | WSW | 25/10/2018 | 12:40 | 2.7 | ENE | 25/10/2018 | 19:35 | 0.9 | W |
| 25/10/2018 | 05:50 | 2.2 | ENE | 25/10/2018 | 12:45 | 2.7 | E | 25/10/2018 | 19:40 | 2.7 | E |
| 25/10/2018 | 05:55 | 0.4 | ENE | 25/10/2018 | 12:50 | 1.3 | NE | 25/10/2018 | 19:45 | 2.2 | ENE |
| 25/10/2018 | 06:00 | 0.9 | W | 25/10/2018 | 12:55 | 1.8 | W | 25/10/2018 | 19:50 | 1.3 | E |
| 25/10/2018 | 06:05 | 0.4 | WSW | 25/10/2018 | 13:00 | 2.7 | ENE | 25/10/2018 | 19:55 | 0.4 | NW |
| 25/10/2018 | 06:10 | 1.3 | W | 25/10/2018 | 13:05 | 2.7 | ENE | 25/10/2018 | 20:00 | 2.2 | E |
| 25/10/2018 | 06:15 | 2.2 | WNW | 25/10/2018 | 13:10 | 3.1 | ENE | 25/10/2018 | 20:05 | 1.8 | ENE |
| 25/10/2018 | 06:20 | 3.1 | ENE | 25/10/2018 | 13:15 | 2.7 | ENE | 25/10/2018 | 20:10 | 3.6 | ENE |
| 25/10/2018 | 06:25 | 1.8 | ENE | 25/10/2018 | 13:20 | 2.7 | NE | 25/10/2018 | 20:15 | 3.6 | ENE |
| 25/10/2018 | 06:30 | 1.8 | E | 25/10/2018 | 13:25 | 0.4 | NW | 25/10/2018 | 20:20 | 1.3 | ENE |
| 25/10/2018 | 06:35 | 2.2 | ENE | 25/10/2018 | 13:30 | 3.1 | NE | 25/10/2018 | 20:25 | 0.4 | SE |
| 25/10/2018 | 06:40 | 1.8 | NNE | 25/10/2018 | 13:35 | 0.4 | E | 25/10/2018 | 20:30 | 0.4 | WSW |
| 25/10/2018 | 06:45 | 0.4 | ENE | 25/10/2018 | 13:40 | 1.3 | N | 25/10/2018 | 20:35 | 2.7 | NE |
| 25/10/2018 | 06:50 | 2.7 | NE | 25/10/2018 | 13:45 | 0.9 | ENE | 25/10/2018 | 20:40 | 1.8 | ENE |
| 25/10/2018 | 06:55 | 0.4 | E | 25/10/2018 | 13:50 | 0.9 | NW | 25/10/2018 | 20:45 | 0.4 | WSW |
| 25/10/2018 | 07:00 | 0.9 | WSW | 25/10/2018 | 13:55 | 1.3 | WSW | 25/10/2018 | 20:50 | 1.3 | W |
| 25/10/2018 | 07:05 | 1.8 | NNE | 25/10/2018 | 14:00 | 3.1 | NE | 25/10/2018 | 20:55 | 2.7 | ENE |
| 25/10/2018 | 07:10 | 2.7 | E | 25/10/2018 | 14:05 | 2.2 | ENE | 25/10/2018 | 21:00 | 0.4 | NE |
| 25/10/2018 | 07:15 | 1.3 | NE | 25/10/2018 | 14:10 | 0.4 | NW | 25/10/2018 | 21:05 | 1.8 | E |
| 25/10/2018 | 07:20 | 2.2 | ENE | 25/10/2018 | 14:15 | 1.8 | ENE | 25/10/2018 | 21:10 | 1.8 | W |
| 25/10/2018 | 07:25 | 0.9 | NE | 25/10/2018 | 14:20 | 0.4 | WSW | 25/10/2018 | 21:15 | 2.2 | NE |
| 25/10/2018 | 07:30 | 3.1 | ENE | 25/10/2018 | 14:25 | 0.4 | W | 25/10/2018 | 21:20 | 1.3 | ENE |
| 25/10/2018 | 07:35 | 2.2 | N | 25/10/2018 | 14:30 | 2.7 | ENE | 25/10/2018 | 21:25 | 3.6 | ENE |
| 25/10/2018 | 07:40 | 2.2 | NNE | 25/10/2018 | 14:35 | 0.9 | NNW | 25/10/2018 | 21:30 | 0.9 | WSW |
| 25/10/2018 | 07:45 | 1.3 | WSW | 25/10/2018 | 14:40 | 0.4 | NNE | 25/10/2018 | 21:35 | 0.4 | WSW |
| 25/10/2018 | 07:50 | 3.1 | ENE | 25/10/2018 | 14:45 | 1.8 | E | 25/10/2018 | 21:40 | 0.9 | NNE |
| 25/10/2018 | 07:55 | 2.7 | E | 25/10/2018 | 14:50 | 3.1 | NE | 25/10/2018 | 21:45 | 1.3 | NNW |
| 25/10/2018 | 08:00 | 5.4 | E | 25/10/2018 | 14:55 | 1.8 | WNW | 25/10/2018 | 21:50 | 2.2 | ENE |
| 25/10/2018 | 08:05 | 0.9 | NW | 25/10/2018 | 15:00 | 2.2 | W | 25/10/2018 | 21:55 | 0.9 | NE |
| 25/10/2018 | 08:10 | 3.1 | ENE | 25/10/2018 | 15:05 | 2.2 | NNE | 25/10/2018 | 22:00 | 2.7 | ENE |
| 25/10/2018 | 08:15 | 0.4 | SW | 25/10/2018 | 15:10 | 0.9 | ENE | 25/10/2018 | 22:05 | 3.6 | NE |
| 25/10/2018 | 08:20 | 2.7 | NE | 25/10/2018 | 15:15 | 4.5 | ENE | 25/10/2018 | 22:10 | 0.4 | WSW |
| 25/10/2018 | 08:25 | 1.8 | E | 25/10/2018 | 15:20 | 0.4 | ENE | 25/10/2018 | 22:15 | 0.9 | W |
| 25/10/2018 | 08:30 | 2.7 | ENE | 25/10/2018 | 15:25 | 2.2 | ENE | 25/10/2018 | 22:20 | 0.4 | WNW |
| 25/10/2018 | 08:35 | 2.2 | NE | 25/10/2018 | 15:30 | 0.9 | N | 25/10/2018 | 22:25 | 0.9 | NE |
| 25/10/2018 | 08:40 | 2.7 | E | 25/10/2018 | 15:35 | 0.4 | WSW | 25/10/2018 | 22:30 | 0.9 | WNW |
| 25/10/2018 | 08:45 | 2.7 | E | 25/10/2018 | 15:40 | 2.2 | ENE | 25/10/2018 | 22:35 | 1.3 | W |
| 25/10/2018 | 08:50 | 0.4 | ENE | 25/10/2018 | 15:45 | 0.4 | ENE | 25/10/2018 | 22:40 | 1.8 | ENE |
| 25/10/2018 | 08:55 | 1.8 | NE | 25/10/2018 | 15:50 | 3.6 | E | 25/10/2018 | 22:45 | 2.7 | ENE |
| 25/10/2018 | 09:00 | 1.3 | WNW | 25/10/2018 | 15:55 | 2.7 | WSW | 25/10/2018 | 22:50 | 2.7 | E |
| 25/10/2018 | 09:05 | 0.9 | E | 25/10/2018 | 16:00 | 0.4 | N | 25/10/2018 | 22:55 | 0.9 | ENE |
| 25/10/2018 | 09:10 | 0.4 | WSW | 25/10/2018 | 16:05 | 1.8 | ENE | 25/10/2018 | 23:00 | 0.9 | NNE |
| 25/10/2018 | 09:15 | 2.7 | ENE | 25/10/2018 | 16:10 | 0.4 | E | 25/10/2018 | 23:05 | 2.2 | E |
| 25/10/2018 | 09:20 | 2.7 | E | 25/10/2018 | 16:15 | 0.9 | NE | 25/10/2018 | 23:10 | 0.9 | WSW |
| 25/10/2018 | 09:25 | 0.4 | NNW | 25/10/2018 | 16:20 | 1.3 | ENE | 25/10/2018 | 23:15 | 2.7 | ENE |
| 25/10/2018 | 09:30 | 3.1 | NE | 25/10/2018 | 16:25 | 1.3 | NE | 25/10/2018 | 23:20 | 0.9 | WSW |
| 25/10/2018 | 09:35 | 2.7 | ENE | 25/10/2018 | 16:30 | 3.1 | ENE | 25/10/2018 | 23:25 | 2.7 | ENE |
| 25/10/2018 | 09:40 | 2.7 | ENE | 25/10/2018 | 16:35 | 0.9 | NE | 25/10/2018 | 23:30 | 1.3 | NE |
| 25/10/2018 | 09:45 | 1.8 | W | 25/10/2018 | 16:40 | 0.9 | ENE | 25/10/2018 | 23:35 | 1.8 | NNE |
| 25/10/2018 | 09:50 | 0.4 | NNW | 25/10/2018 | 16:45 | 1.3 | NE | 25/10/2018 | 23:40 | 1.3 | NE |
| 25/10/2018 | 09:55 | 1.3 | W | 25/10/2018 | 16:50 | 0.4 | WSW | 25/10/2018 | 23:45 | 2.7 | ENE |
| 25/10/2018 | 10:00 | 1.3 | W | 25/10/2018 | 16:55 | 1.3 | NNW | 25/10/2018 | 23:50 | 1.8 | NNE |
| 25/10/2018 | 10:05 | 1.8 | NNE | 25/10/2018 | 17:00 | 1.3 | ENE | 25/10/2018 | 23:55 | 2.2 | E |
| 25/10/2018 | 10:10 | 0.4 | WSW | 25/10/2018 | 17:05 | 0.9 | ENE | 26/10/2018 | 00:00 | 0.4 | ENE |
| 25/10/2018 | 10:15 | 1.3 | NNW | 25/10/2018 | 17:10 | 3.6 | ENE | 26/10/2018 | 00:05 | 0.9 | NNW |
| 25/10/2018 | 10:20 | 0.9 | WSW | 25/10/2018 | 17:15 | 0.4 | WSW | 26/10/2018 | 00:10 | 2.7 | E |
| 25/10/2018 | 10:25 | 1.3 | NE | 25/10/2018 | 17:20 | 1.3 | WSW | 26/10/2018 | 00:15 | 1.3 | ENE |
| 25/10/2018 | 10:30 | 2.7 | NE | 25/10/2018 | 17:25 | 0.9 | ENE | 26/10/2018 | 00:20 | 1.3 | SW |
| 25/10/2018 | 10:35 | 2.7 | ENE | 25/10/2018 | 17:30 | 1.3 | E | 26/10/2018 | 00:25 | 2.2 | E |
| 25/10/2018 | 10:40 | 2.7 | ENE | 25/10/2018 | 17:35 | 0.9 | NE | 26/10/2018 | 00:30 | 4 | E |
| 25/10/2018 | 10:45 | 2.2 | NNE | 25/10/2018 | 17:40 | 2.2 | W | 26/10/2018 | 00:35 | 3.6 | E |
| 25/10/2018 | 10:50 | 2.7 | NE | 25/10/2018 | 17:45 | 1.3 | WSW | 26/10/2018 | 00:40 | 2.2 | ENE |
| 25/10/2018 | 10:55 | 1.8 | WSW | 25/10/2018 | 17:50 | 2.2 | NE | 26/10/2018 | 00:45 | 3.6 | ENE |
| 25/10/2018 | 11:00 | 3.1 | NE | 25/10/2018 | 17:55 | 1.3 | WNW | 26/10/2018 | 00:50 | 1.8 | NNE |
| 25/10/2018 | 11:05 | 2.2 | NE | 25/10/2018 | 18:00 | 3.1 | E | 26/10/2018 | 00:55 | 1.3 | ENE |
| 25/10/2018 | 11:10 | 2.2 | E | 25/10/2018 | 18:05 | 2.2 | ENE | 26/10/2018 | 01:00 | 0.4 | ENE |
| 25/10/2018 | 11:15 | 1.3 | W | 25/10/2018 | 18:10 | 0.4 | WSW | 26/10/2018 | 01:05 | 2.7 | ENE |
| 25/10/2018 | 11:20 | 0.9 | W | 25/10/2018 | 18:15 | 1.8 | NE | 26/10/2018 | 01:10 | 3.6 | ENE |
| 25/10/2018 | 11:25 | 2.7 | NE | 25/10/2018 | 18:20 | 2.7 | NE | 26/10/2018 | 01:15 | 1.8 | NE |
| 25/10/2018 | 11:30 | 1.3 | NE | 25/10/2018 | 18:25 | 0.9 | NNE | 26/10/2018 | 01:20 | 4.5 | ENE |
| 25/10/2018 | 11:35 | 2.7 | W | 25/10/2018 | 18:30 | 0.9 | ENE | 26/10/2018 | 01:25 | 3.1 | E |
| 25/10/2018 | 11:40 | 2.2 | ENE | 25/10/2018 | 18:35 | 0.4 | ENE | 26/10/2018 | 01:30 | 3.1 | ESE |
| 25/10/2018 | 11:45 | 1.8 | NW | 25/10/2018 | 18:40 | 0.4 | ENE | 26/10/2018 | 01:35 | 0.9 | ENE |
| 25/10/2018 | 11:50 | 0.9 | ENE | 25/10/2018 | 18:45 | 2.7 | NE | 26/10/2018 | 01:40 | 2.7 | ENE |
| 25/10/2018 | 11:55 | 2.7 | NE | 25/10/2018 | 18:50 | 1.8 | ENE | 26/10/2018 | 01:45 | 4.5 | E |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 26/10/2018 | 01:50 | 1.8 | SE | 26/10/2018 | 08:45 | 0.4 | ENE | 26/10/2018 | 15:40 | 2.7 | ENE |
| 26/10/2018 | 01:55 | 0.9 | E | 26/10/2018 | 08:50 | 2.2 | ENE | 26/10/2018 | 15:45 | 3.1 | E |
| 26/10/2018 | 02:00 | 3.6 | E | 26/10/2018 | 08:55 | 1.8 | ENE | 26/10/2018 | 15:50 | 3.1 | E |
| 26/10/2018 | 02:05 | 4 | ENE | 26/10/2018 | 09:00 | 3.1 | E | 26/10/2018 | 15:55 | 1.3 | NE |
| 26/10/2018 | 02:10 | 0.4 | ENE | 26/10/2018 | 09:05 | 1.3 | NNE | 26/10/2018 | 16:00 | 1.3 | ENE |
| 26/10/2018 | 02:15 | 4.9 | ENE | 26/10/2018 | 09:10 | 1.8 | ENE | 26/10/2018 | 16:05 | 2.7 | E |
| 26/10/2018 | 02:20 | 4.5 | ENE | 26/10/2018 | 09:15 | 0.9 | NNE | 26/10/2018 | 16:10 | 0.9 | NNE |
| 26/10/2018 | 02:25 | 0.4 | ENE | 26/10/2018 | 09:20 | 3.6 | E | 26/10/2018 | 16:15 | 0.9 | NE |
| 26/10/2018 | 02:30 | 1.3 | NNE | 26/10/2018 | 09:25 | 0.9 | ENE | 26/10/2018 | 16:20 | 3.6 | E |
| 26/10/2018 | 02:35 | 2.7 | ENE | 26/10/2018 | 09:30 | 3.6 | ENE | 26/10/2018 | 16:25 | 1.3 | NNE |
| 26/10/2018 | 02:40 | 1.3 | NE | 26/10/2018 | 09:35 | 1.3 | NE | 26/10/2018 | 16:30 | 0.9 | NE |
| 26/10/2018 | 02:45 | 0.4 | ESE | 26/10/2018 | 09:40 | 3.1 | ENE | 26/10/2018 | 16:35 | 3.1 | E |
| 26/10/2018 | 02:50 | 5.4 | ENE | 26/10/2018 | 09:45 | 2.7 | ENE | 26/10/2018 | 16:40 | 4.5 | ENE |
| 26/10/2018 | 02:55 | 3.6 | ENE | 26/10/2018 | 09:50 | 2.2 | ENE | 26/10/2018 | 16:45 | 1.8 | ENE |
| 26/10/2018 | 03:00 | 3.6 | ENE | 26/10/2018 | 09:55 | 0.4 | N | 26/10/2018 | 16:50 | 1.3 | NNE |
| 26/10/2018 | 03:05 | 1.3 | NNE | 26/10/2018 | 10:00 | 1.3 | ENE | 26/10/2018 | 16:55 | 1.3 | NE |
| 26/10/2018 | 03:10 | 1.3 | ENE | 26/10/2018 | 10:05 | 2.2 | NE | 26/10/2018 | 17:00 | 0.9 | NNE |
| 26/10/2018 | 03:15 | 1.8 | ESE | 26/10/2018 | 10:10 | 1.3 | ENE | 26/10/2018 | 17:05 | 0 | NNE |
| 26/10/2018 | 03:20 | 3.1 | ENE | 26/10/2018 | 10:15 | 1.8 | E | 26/10/2018 | 17:10 | 2.7 | ENE |
| 26/10/2018 | 03:25 | 3.6 | ENE | 26/10/2018 | 10:20 | 0.9 | NE | 26/10/2018 | 17:15 | 1.8 | NNE |
| 26/10/2018 | 03:30 | 1.3 | NE | 26/10/2018 | 10:25 | 2.2 | ENE | 26/10/2018 | 17:20 | 1.8 | E |
| 26/10/2018 | 03:35 | 0.4 | ENE | 26/10/2018 | 10:30 | 4 | ENE | 26/10/2018 | 17:25 | 1.3 | NNE |
| 26/10/2018 | 03:40 | 3.1 | E | 26/10/2018 | 10:35 | 1.8 | E | 26/10/2018 | 17:30 | 1.8 | NE |
| 26/10/2018 | 03:45 | 1.3 | NE | 26/10/2018 | 10:40 | 3.6 | ENE | 26/10/2018 | 17:35 | 1.8 | NE |
| 26/10/2018 | 03:50 | 3.1 | ENE | 26/10/2018 | 10:45 | 2.2 | E | 26/10/2018 | 17:40 | 2.7 | E |
| 26/10/2018 | 03:55 | 2.7 | ENE | 26/10/2018 | 10:50 | 2.2 | E | 26/10/2018 | 17:45 | 2.2 | NE |
| 26/10/2018 | 04:00 | 4 | E | 26/10/2018 | 10:55 | 3.1 | ENE | 26/10/2018 | 17:50 | 2.7 | ENE |
| 26/10/2018 | 04:05 | 2.2 | ENE | 26/10/2018 | 11:00 | 1.3 | ENE | 26/10/2018 | 17:55 | 3.1 | ENE |
| 26/10/2018 | 04:10 | 2.2 | ENE | 26/10/2018 | 11:05 | 2.2 | ENE | 26/10/2018 | 18:00 | 1.3 | NE |
| 26/10/2018 | 04:15 | 0.4 | NNE | 26/10/2018 | 11:10 | 2.7 | ENE | 26/10/2018 | 18:05 | 2.7 | ENE |
| 26/10/2018 | 04:20 | 2.2 | E | 26/10/2018 | 11:15 | 0 | --- | 26/10/2018 | 18:10 | 3.6 | ENE |
| 26/10/2018 | 04:25 | 0.9 | ENE | 26/10/2018 | 11:20 | 1.3 | ENE | 26/10/2018 | 18:15 | 4.9 | ENE |
| 26/10/2018 | 04:30 | 4.9 | ENE | 26/10/2018 | 11:25 | 2.7 | ENE | 26/10/2018 | 18:20 | 2.7 | E |
| 26/10/2018 | 04:35 | 0.9 | ENE | 26/10/2018 | 11:30 | 0 | --- | 26/10/2018 | 18:25 | 1.3 | ENE |
| 26/10/2018 | 04:40 | 2.2 | ENE | 26/10/2018 | 11:35 | 1.3 | NNE | 26/10/2018 | 18:30 | 0.9 | E |
| 26/10/2018 | 04:45 | 1.3 | NE | 26/10/2018 | 11:40 | 1.8 | ENE | 26/10/2018 | 18:35 | 1.3 | NNE |
| 26/10/2018 | 04:50 | 0.9 | E | 26/10/2018 | 11:45 | 3.1 | E | 26/10/2018 | 18:40 | 0 | --- |
| 26/10/2018 | 04:55 | 4 | ENE | 26/10/2018 | 11:50 | 0.4 | E | 26/10/2018 | 18:45 | 0.9 | N |
| 26/10/2018 | 05:00 | 2.7 | E | 26/10/2018 | 11:55 | 2.7 | E | 26/10/2018 | 18:50 | 0.9 | NNE |
| 26/10/2018 | 05:05 | 1.8 | ENE | 26/10/2018 | 12:00 | 1.3 | NE | 26/10/2018 | 18:55 | 1.3 | ENE |
| 26/10/2018 | 05:10 | 3.6 | ENE | 26/10/2018 | 12:05 | 1.3 | NNE | 26/10/2018 | 19:00 | 4.5 | ENE |
| 26/10/2018 | 05:15 | 0.9 | N | 26/10/2018 | 12:10 | 3.1 | ENE | 26/10/2018 | 19:05 | 0.9 | E |
| 26/10/2018 | 05:20 | 3.6 | E | 26/10/2018 | 12:15 | 1.3 | ENE | 26/10/2018 | 19:10 | 0 | NE |
| 26/10/2018 | 05:25 | 3.6 | E | 26/10/2018 | 12:20 | 2.7 | ENE | 26/10/2018 | 19:15 | 2.2 | E |
| 26/10/2018 | 05:30 | 4.5 | E | 26/10/2018 | 12:25 | 0.9 | NNE | 26/10/2018 | 19:20 | 0.4 | SE |
| 26/10/2018 | 05:35 | 3.6 | ENE | 26/10/2018 | 12:30 | 0 | NNE | 26/10/2018 | 19:25 | 1.3 | ENE |
| 26/10/2018 | 05:40 | 3.6 | E | 26/10/2018 | 12:35 | 2.7 | ENE | 26/10/2018 | 19:30 | 0.9 | NNE |
| 26/10/2018 | 05:45 | 1.8 | ENE | 26/10/2018 | 12:40 | 1.3 | NNE | 26/10/2018 | 19:35 | 2.2 | ENE |
| 26/10/2018 | 05:50 | 1.8 | NE | 26/10/2018 | 12:45 | 0.9 | ENE | 26/10/2018 | 19:40 | 3.1 | E |
| 26/10/2018 | 05:55 | 2.7 | E | 26/10/2018 | 12:50 | 2.2 | E | 26/10/2018 | 19:45 | 2.2 | NE |
| 26/10/2018 | 06:00 | 0 | --- | 26/10/2018 | 12:55 | 1.8 | NE | 26/10/2018 | 19:50 | 3.1 | NE |
| 26/10/2018 | 06:05 | 3.6 | ENE | 26/10/2018 | 13:00 | 1.3 | E | 26/10/2018 | 19:55 | 3.1 | E |
| 26/10/2018 | 06:10 | 2.2 | NE | 26/10/2018 | 13:05 | 0 | --- | 26/10/2018 | 20:00 | 1.8 | ENE |
| 26/10/2018 | 06:15 | 1.8 | E | 26/10/2018 | 13:10 | 1.8 | NE | 26/10/2018 | 20:05 | 1.3 | ENE |
| 26/10/2018 | 06:20 | 1.3 | NE | 26/10/2018 | 13:15 | 1.3 | ENE | 26/10/2018 | 20:10 | 2.7 | E |
| 26/10/2018 | 06:25 | 1.3 | NNE | 26/10/2018 | 13:20 | 3.1 | ENE | 26/10/2018 | 20:15 | 2.7 | NE |
| 26/10/2018 | 06:30 | 1.3 | NNE | 26/10/2018 | 13:25 | 0 | --- | 26/10/2018 | 20:20 | 1.3 | NE |
| 26/10/2018 | 06:35 | 0.4 | NNE | 26/10/2018 | 13:30 | 0.9 | S | 26/10/2018 | 20:25 | 3.6 | ENE |
| 26/10/2018 | 06:40 | 3.6 | ENE | 26/10/2018 | 13:35 | 1.8 | E | 26/10/2018 | 20:30 | 0.9 | N |
| 26/10/2018 | 06:45 | 0.4 | NNE | 26/10/2018 | 13:40 | 1.3 | NE | 26/10/2018 | 20:35 | 0.9 | NE |
| 26/10/2018 | 06:50 | 2.7 | ENE | 26/10/2018 | 13:45 | 1.3 | NE | 26/10/2018 | 20:40 | 3.1 | E |
| 26/10/2018 | 06:55 | 3.1 | NE | 26/10/2018 | 13:50 | 0.4 | NNE | 26/10/2018 | 20:45 | 4.9 | E |
| 26/10/2018 | 07:00 | 3.1 | E | 26/10/2018 | 13:55 | 1.8 | NE | 26/10/2018 | 20:50 | 2.2 | E |
| 26/10/2018 | 07:05 | 1.8 | NNE | 26/10/2018 | 14:00 | 3.1 | ENE | 26/10/2018 | 20:55 | 1.8 | E |
| 26/10/2018 | 07:10 | 0.9 | E | 26/10/2018 | 14:05 | 4.5 | E | 26/10/2018 | 21:00 | 0.4 | SW |
| 26/10/2018 | 07:15 | 0 | SW | 26/10/2018 | 14:10 | 1.3 | NNE | 26/10/2018 | 21:05 | 2.7 | E |
| 26/10/2018 | 07:20 | 1.8 | ENE | 26/10/2018 | 14:15 | 1.3 | NE | 26/10/2018 | 21:10 | 1.8 | NE |
| 26/10/2018 | 07:25 | 2.2 | ENE | 26/10/2018 | 14:20 | 2.7 | ENE | 26/10/2018 | 21:15 | 1.3 | ENE |
| 26/10/2018 | 07:30 | 1.3 | SSE | 26/10/2018 | 14:25 | 1.8 | NE | 26/10/2018 | 21:20 | 2.2 | ENE |
| 26/10/2018 | 07:35 | 3.1 | NE | 26/10/2018 | 14:30 | 1.3 | NNW | 26/10/2018 | 21:25 | 0.9 | ENE |
| 26/10/2018 | 07:40 | 1.3 | NE | 26/10/2018 | 14:35 | 1.3 | E | 26/10/2018 | 21:30 | 0.9 | ENE |
| 26/10/2018 | 07:45 | 0.4 | E | 26/10/2018 | 14:40 | 1.8 | NE | 26/10/2018 | 21:35 | 1.8 | E |
| 26/10/2018 | 07:50 | 1.8 | E | 26/10/2018 | 14:45 | 4 | E | 26/10/2018 | 21:40 | 0.9 | ENE |
| 26/10/2018 | 07:55 | 0.9 | NE | 26/10/2018 | 14:50 | 1.8 | NE | 26/10/2018 | 21:45 | 4 | ENE |
| 26/10/2018 | 08:00 | 1.8 | NNE | 26/10/2018 | 14:55 | 3.1 | E | 26/10/2018 | 21:50 | 3.6 | E |
| 26/10/2018 | 08:05 | 1.3 | E | 26/10/2018 | 15:00 | 4.5 | ENE | 26/10/2018 | 21:55 | 1.3 | E |
| 26/10/2018 | 08:10 | 1.3 | ENE | 26/10/2018 | 15:05 | 0.9 | E | 26/10/2018 | 22:00 | 0.9 | ENE |
| 26/10/2018 | 08:15 | 2.7 | ENE | 26/10/2018 | 15:10 | 0.4 | ENE | 26/10/2018 | 22:05 | 3.6 | ENE |
| 26/10/2018 | 08:20 | 2.2 | E | 26/10/2018 | 15:15 | 5.4 | ENE | 26/10/2018 | 22:10 | 2.2 | ENE |
| 26/10/2018 | 08:25 | 2.2 | NNE | 26/10/2018 | 15:20 | 0.4 | SW | 26/10/2018 | 22:15 | 0.9 | NE |
| 26/10/2018 | 08:30 | 1.3 | E | 26/10/2018 | 15:25 | 0.9 | E | 26/10/2018 | 22:20 | 2.2 | E |
| 26/10/2018 | 08:35 | 3.6 | ENE | 26/10/2018 | 15:30 | 2.2 | NE | 26/10/2018 | 22:25 | 1.3 | NNE |
| 26/10/2018 | 08:40 | 2.2 | NE | 26/10/2018 | 15:35 | 1.3 | ENE | 26/10/2018 | 22:30 | 1.3 | ESE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 26/10/2018 | 22:35 | 1.8 | SE | 27/10/2018 | 05:30 | 2.2 | WSW | 27/10/2018 | 12:25 | 3.6 | WSW |
| 26/10/2018 | 22:40 | 1.3 | NE | 27/10/2018 | 05:35 | 1.8 | NE | 27/10/2018 | 12:30 | 2.7 | ENE |
| 26/10/2018 | 22:45 | 0.4 | ENE | 27/10/2018 | 05:40 | 2.7 | ENE | 27/10/2018 | 12:35 | 0.4 | NW |
| 26/10/2018 | 22:50 | 1.3 | E | 27/10/2018 | 05:45 | 2.2 | ENE | 27/10/2018 | 12:40 | 1.8 | W |
| 26/10/2018 | 22:55 | 0.4 | SE | 27/10/2018 | 05:50 | 1.3 | NW | 27/10/2018 | 12:45 | 1.8 | N |
| 26/10/2018 | 23:00 | 3.1 | ENE | 27/10/2018 | 05:55 | 0.4 | W | 27/10/2018 | 12:50 | 0.9 | NE |
| 26/10/2018 | 23:05 | 1.8 | ENE | 27/10/2018 | 06:00 | 0.4 | SW | 27/10/2018 | 12:55 | 0.9 | SSW |
| 26/10/2018 | 23:10 | 3.6 | ENE | 27/10/2018 | 06:05 | 0.4 | W | 27/10/2018 | 13:00 | 1.3 | W |
| 26/10/2018 | 23:15 | 4 | ENE | 27/10/2018 | 06:10 | 1.8 | NE | 27/10/2018 | 13:05 | 0.9 | W |
| 26/10/2018 | 23:20 | 3.1 | E | 27/10/2018 | 06:15 | 2.7 | ENE | 27/10/2018 | 13:10 | 1.8 | SW |
| 26/10/2018 | 23:25 | 1.3 | NE | 27/10/2018 | 06:20 | 0.4 | W | 27/10/2018 | 13:15 | 0.9 | W |
| 26/10/2018 | 23:30 | 3.1 | ENE | 27/10/2018 | 06:25 | 0.9 | NNE | 27/10/2018 | 13:20 | 0.4 | NW |
| 26/10/2018 | 23:35 | 2.2 | ENE | 27/10/2018 | 06:30 | 0.4 | WNW | 27/10/2018 | 13:25 | 0.4 | E |
| 26/10/2018 | 23:40 | 3.6 | E | 27/10/2018 | 06:35 | 1.3 | NNE | 27/10/2018 | 13:30 | 1.3 | NE |
| 26/10/2018 | 23:45 | 0.4 | ENE | 27/10/2018 | 06:40 | 1.3 | NNE | 27/10/2018 | 13:35 | 1.8 | NNE |
| 26/10/2018 | 23:50 | 4.5 | E | 27/10/2018 | 06:45 | 0.9 | W | 27/10/2018 | 13:40 | 0.9 | SSW |
| 26/10/2018 | 23:55 | 1.8 | NNE | 27/10/2018 | 06:50 | 0.4 | SSW | 27/10/2018 | 13:45 | 2.7 | NE |
| 27/10/2018 | 00:00 | 2.7 | NE | 27/10/2018 | 06:55 | 1.3 | WSW | 27/10/2018 | 13:50 | 0.9 | E |
| 27/10/2018 | 00:05 | 1.8 | NW | 27/10/2018 | 07:00 | 1.3 | NE | 27/10/2018 | 13:55 | 1.3 | WSW |
| 27/10/2018 | 00:10 | 1.8 | NNE | 27/10/2018 | 07:05 | 2.7 | NE | 27/10/2018 | 14:00 | 2.2 | WSW |
| 27/10/2018 | 00:15 | 0.4 | SSW | 27/10/2018 | 07:10 | 0.4 | W | 27/10/2018 | 14:05 | 3.6 | NE |
| 27/10/2018 | 00:20 | 1.8 | NNE | 27/10/2018 | 07:15 | 0.4 | W | 27/10/2018 | 14:10 | 2.2 | WSW |
| 27/10/2018 | 00:25 | 2.2 | NE | 27/10/2018 | 07:20 | 0.4 | W | 27/10/2018 | 14:15 | 2.2 | NE |
| 27/10/2018 | 00:30 | 1.3 | W | 27/10/2018 | 07:25 | 1.3 | WNW | 27/10/2018 | 14:20 | 0.9 | SSW |
| 27/10/2018 | 00:35 | 1.3 | WSW | 27/10/2018 | 07:30 | 0.4 | NE | 27/10/2018 | 14:25 | 0.4 | W |
| 27/10/2018 | 00:40 | 3.6 | NE | 27/10/2018 | 07:35 | 0.4 | WSW | 27/10/2018 | 14:30 | 0.4 | NE |
| 27/10/2018 | 00:45 | 2.7 | NE | 27/10/2018 | 07:40 | 0.4 | NE | 27/10/2018 | 14:35 | 2.2 | NNE |
| 27/10/2018 | 00:50 | 2.2 | W | 27/10/2018 | 07:45 | 0.4 | NE | 27/10/2018 | 14:40 | 1.3 | WSW |
| 27/10/2018 | 00:55 | 2.7 | NNE | 27/10/2018 | 07:50 | 1.3 | W | 27/10/2018 | 14:45 | 1.3 | NW |
| 27/10/2018 | 01:00 | 3.1 | ENE | 27/10/2018 | 07:55 | 0.4 | WNW | 27/10/2018 | 14:50 | 0.9 | W |
| 27/10/2018 | 01:05 | 0.4 | NW | 27/10/2018 | 08:00 | 1.3 | NNW | 27/10/2018 | 14:55 | 0.4 | NE |
| 27/10/2018 | 01:10 | 0.4 | SSW | 27/10/2018 | 08:05 | 0.9 | NNW | 27/10/2018 | 15:00 | 1.8 | NNE |
| 27/10/2018 | 01:15 | 1.8 | WSW | 27/10/2018 | 08:10 | 1.8 | ENE | 27/10/2018 | 15:05 | 0.4 | NE |
| 27/10/2018 | 01:20 | 2.7 | NE | 27/10/2018 | 08:15 | 1.3 | N | 27/10/2018 | 15:10 | 0.4 | NW |
| 27/10/2018 | 01:25 | 0.9 | SW | 27/10/2018 | 08:20 | 0.4 | NE | 27/10/2018 | 15:15 | 1.3 | NE |
| 27/10/2018 | 01:30 | 1.3 | NE | 27/10/2018 | 08:25 | 0.9 | NNW | 27/10/2018 | 15:20 | 0.4 | W |
| 27/10/2018 | 01:35 | 0.4 | W | 27/10/2018 | 08:30 | 3.1 | ENE | 27/10/2018 | 15:25 | 0.4 | NW |
| 27/10/2018 | 01:40 | 2.7 | E | 27/10/2018 | 08:35 | 1.3 | W | 27/10/2018 | 15:30 | 1.8 | NE |
| 27/10/2018 | 01:45 | 3.1 | NE | 27/10/2018 | 08:40 | 2.7 | WSW | 27/10/2018 | 15:35 | 2.2 | NNE |
| 27/10/2018 | 01:50 | 0.4 | WNW | 27/10/2018 | 08:45 | 2.2 | NE | 27/10/2018 | 15:40 | 4 | WNW |
| 27/10/2018 | 01:55 | 2.2 | N | 27/10/2018 | 08:50 | 1.8 | N | 27/10/2018 | 15:45 | 1.3 | N |
| 27/10/2018 | 02:00 | 4 | W | 27/10/2018 | 08:55 | 0.4 | W | 27/10/2018 | 15:50 | 2.2 | N |
| 27/10/2018 | 02:05 | 2.2 | NE | 27/10/2018 | 09:00 | 2.2 | NNE | 27/10/2018 | 15:55 | 2.2 | NNE |
| 27/10/2018 | 02:10 | 1.3 | WNW | 27/10/2018 | 09:05 | 0.4 | NE | 27/10/2018 | 16:00 | 1.8 | N |
| 27/10/2018 | 02:15 | 0.9 | NW | 27/10/2018 | 09:10 | 2.2 | W | 27/10/2018 | 16:05 | 2.2 | N |
| 27/10/2018 | 02:20 | 3.1 | W | 27/10/2018 | 09:15 | 0.4 | WNW | 27/10/2018 | 16:10 | 1.3 | W |
| 27/10/2018 | 02:25 | 4 | NE | 27/10/2018 | 09:20 | 0.4 | WSW | 27/10/2018 | 16:15 | 0.4 | NE |
| 27/10/2018 | 02:30 | 1.3 | NE | 27/10/2018 | 09:25 | 0.4 | NNW | 27/10/2018 | 16:20 | 0.4 | W |
| 27/10/2018 | 02:35 | 2.7 | NE | 27/10/2018 | 09:30 | 0.4 | SW | 27/10/2018 | 16:25 | 0.4 | SSW |
| 27/10/2018 | 02:40 | 1.3 | NW | 27/10/2018 | 09:35 | 2.7 | N | 27/10/2018 | 16:30 | 1.8 | E |
| 27/10/2018 | 02:45 | 1.3 | N | 27/10/2018 | 09:40 | 0.4 | E | 27/10/2018 | 16:35 | 0.9 | W |
| 27/10/2018 | 02:50 | 1.3 | N | 27/10/2018 | 09:45 | 1.3 | W | 27/10/2018 | 16:40 | 1.3 | N |
| 27/10/2018 | 02:55 | 0.4 | W | 27/10/2018 | 09:50 | 3.1 | ENE | 27/10/2018 | 16:45 | 1.8 | NE |
| 27/10/2018 | 03:00 | 2.2 | NE | 27/10/2018 | 09:55 | 0.9 | SSW | 27/10/2018 | 16:50 | 0.4 | W |
| 27/10/2018 | 03:05 | 2.2 | NE | 27/10/2018 | 10:00 | 2.2 | NNE | 27/10/2018 | 16:55 | 2.2 | NE |
| 27/10/2018 | 03:10 | 2.7 | NE | 27/10/2018 | 10:05 | 1.3 | WSW | 27/10/2018 | 17:00 | 2.2 | NE |
| 27/10/2018 | 03:15 | 2.7 | NE | 27/10/2018 | 10:10 | 0.4 | WNW | 27/10/2018 | 17:05 | 2.2 | W |
| 27/10/2018 | 03:20 | 2.2 | NE | 27/10/2018 | 10:15 | 1.8 | NNW | 27/10/2018 | 17:10 | 1.3 | NNE |
| 27/10/2018 | 03:25 | 1.8 | N | 27/10/2018 | 10:20 | 1.8 | NNE | 27/10/2018 | 17:15 | 2.7 | NE |
| 27/10/2018 | 03:30 | 1.3 | WNW | 27/10/2018 | 10:25 | 1.3 | WNW | 27/10/2018 | 17:20 | 1.3 | SW |
| 27/10/2018 | 03:35 | 1.3 | NNE | 27/10/2018 | 10:30 | 0.9 | W | 27/10/2018 | 17:25 | 1.3 | N |
| 27/10/2018 | 03:40 | 1.3 | NE | 27/10/2018 | 10:35 | 2.2 | NE | 27/10/2018 | 17:30 | 2.2 | NNE |
| 27/10/2018 | 03:45 | 2.2 | NNE | 27/10/2018 | 10:40 | 2.7 | NE | 27/10/2018 | 17:35 | 1.3 | NW |
| 27/10/2018 | 03:50 | 0.4 | NW | 27/10/2018 | 10:45 | 0.4 | SSW | 27/10/2018 | 17:40 | 0.9 | N |
| 27/10/2018 | 03:55 | 0.4 | SW | 27/10/2018 | 10:50 | 0.4 | NW | 27/10/2018 | 17:45 | 2.7 | ENE |
| 27/10/2018 | 04:00 | 1.3 | SW | 27/10/2018 | 10:55 | 2.7 | NE | 27/10/2018 | 17:50 | 3.6 | WSW |
| 27/10/2018 | 04:05 | 0.4 | W | 27/10/2018 | 11:00 | 0.4 | W | 27/10/2018 | 17:55 | 2.7 | NE |
| 27/10/2018 | 04:10 | 1.3 | NE | 27/10/2018 | 11:05 | 2.2 | NE | 27/10/2018 | 18:00 | 0.4 | W |
| 27/10/2018 | 04:15 | 1.3 | NE | 27/10/2018 | 11:10 | 0.4 | WSW | 27/10/2018 | 18:05 | 2.2 | N |
| 27/10/2018 | 04:20 | 0.4 | W | 27/10/2018 | 11:15 | 0.9 | NW | 27/10/2018 | 18:10 | 1.3 | NE |
| 27/10/2018 | 04:25 | 0.4 | NE | 27/10/2018 | 11:20 | 2.2 | W | 27/10/2018 | 18:15 | 2.7 | NE |
| 27/10/2018 | 04:30 | 0.9 | W | 27/10/2018 | 11:25 | 2.7 | NE | 27/10/2018 | 18:20 | 1.3 | W |
| 27/10/2018 | 04:35 | 1.8 | NNE | 27/10/2018 | 11:30 | 0.9 | W | 27/10/2018 | 18:25 | 2.2 | NE |
| 27/10/2018 | 04:40 | 1.8 | NE | 27/10/2018 | 11:35 | 0.4 | NW | 27/10/2018 | 18:30 | 0.9 | NE |
| 27/10/2018 | 04:45 | 0.4 | W | 27/10/2018 | 11:40 | 1.3 | W | 27/10/2018 | 18:35 | 1.3 | NE |
| 27/10/2018 | 04:50 | 1.3 | WSW | 27/10/2018 | 11:45 | 1.3 | NNE | 27/10/2018 | 18:40 | 1.8 | N |
| 27/10/2018 | 04:55 | 3.1 | NE | 27/10/2018 | 11:50 | 0.4 | W | 27/10/2018 | 18:45 | 0.4 | W |
| 27/10/2018 | 05:00 | 2.7 | NE | 27/10/2018 | 11:55 | 1.3 | W | 27/10/2018 | 18:50 | 1.3 | NNE |
| 27/10/2018 | 05:05 | 1.3 | WSW | 27/10/2018 | 12:00 | 1.8 | WSW | 27/10/2018 | 18:55 | 0.4 | W |
| 27/10/2018 | 05:10 | 0.4 | W | 27/10/2018 | 12:05 | 1.3 | ENE | 27/10/2018 | 19:00 | 2.2 | NNE |
| 27/10/2018 | 05:15 | 0.4 | W | 27/10/2018 | 12:10 | 1.8 | NNE | 27/10/2018 | 19:05 | 2.2 | NNE |
| 27/10/2018 | 05:20 | 0.4 | W | 27/10/2018 | 12:15 | 0.4 | SW | 27/10/2018 | 19:10 | 2.2 | NE |
| 27/10/2018 | 05:25 | 3.1 | NE | 27/10/2018 | 12:20 | 1.3 | WSW | 27/10/2018 | 19:15 | 1.8 | ENE |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 27/10/2018 | 19:20 | 0.9 | W | 28/10/2018 | 02:15 | 1.8 | N | 28/10/2018 | 09:10 | 2.7 | E |
| 27/10/2018 | 19:25 | 1.3 | E | 28/10/2018 | 02:20 | 2.2 | NE | 28/10/2018 | 09:15 | 3.1 | W |
| 27/10/2018 | 19:30 | 2.2 | W | 28/10/2018 | 02:25 | 2.7 | W | 28/10/2018 | 09:20 | 2.2 | WNW |
| 27/10/2018 | 19:35 | 0.9 | W | 28/10/2018 | 02:30 | 0.4 | NNW | 28/10/2018 | 09:25 | 1.3 | W |
| 27/10/2018 | 19:40 | 0.9 | NNE | 28/10/2018 | 02:35 | 3.1 | W | 28/10/2018 | 09:30 | 0.9 | SW |
| 27/10/2018 | 19:45 | 3.1 | NE | 28/10/2018 | 02:40 | 1.3 | W | 28/10/2018 | 09:35 | 1.8 | NW |
| 27/10/2018 | 19:50 | 2.2 | NE | 28/10/2018 | 02:45 | 1.3 | ENE | 28/10/2018 | 09:40 | 2.7 | NW |
| 27/10/2018 | 19:55 | 4 | WSW | 28/10/2018 | 02:50 | 0.9 | W | 28/10/2018 | 09:45 | 2.7 | WSW |
| 27/10/2018 | 20:00 | 3.1 | ENE | 28/10/2018 | 02:55 | 3.1 | NW | 28/10/2018 | 09:50 | 2.2 | W |
| 27/10/2018 | 20:05 | 0.4 | NW | 28/10/2018 | 03:00 | 1.8 | NNE | 28/10/2018 | 09:55 | 1.8 | WSW |
| 27/10/2018 | 20:10 | 0.4 | W | 28/10/2018 | 03:05 | 1.8 | NNE | 28/10/2018 | 10:00 | 2.7 | WSW |
| 27/10/2018 | 20:15 | 0.4 | W | 28/10/2018 | 03:10 | 2.2 | W | 28/10/2018 | 10:05 | 2.7 | W |
| 27/10/2018 | 20:20 | 0.4 | SSW | 28/10/2018 | 03:15 | 2.2 | E | 28/10/2018 | 10:10 | 1.8 | N |
| 27/10/2018 | 20:25 | 1.3 | WNW | 28/10/2018 | 03:20 | 0.9 | NW | 28/10/2018 | 10:15 | 1.3 | NE |
| 27/10/2018 | 20:30 | 1.3 | WNW | 28/10/2018 | 03:25 | 0.9 | NNE | 28/10/2018 | 10:20 | 2.7 | NE |
| 27/10/2018 | 20:35 | 1.8 | W | 28/10/2018 | 03:30 | 3.1 | W | 28/10/2018 | 10:25 | 3.1 | W |
| 27/10/2018 | 20:40 | 2.2 | NNE | 28/10/2018 | 03:35 | 1.3 | NW | 28/10/2018 | 10:30 | 1.3 | N |
| 27/10/2018 | 20:45 | 2.2 | NE | 28/10/2018 | 03:40 | 3.6 | W | 28/10/2018 | 10:35 | 1.8 | NW |
| 27/10/2018 | 20:50 | 0.4 | N | 28/10/2018 | 03:45 | 2.7 | W | 28/10/2018 | 10:40 | 0.4 | W |
| 27/10/2018 | 20:55 | 0.9 | W | 28/10/2018 | 03:50 | 1.8 | NNE | 28/10/2018 | 10:45 | 2.7 | W |
| 27/10/2018 | 21:00 | 0.4 | NE | 28/10/2018 | 03:55 | 2.7 | W | 28/10/2018 | 10:50 | 2.2 | W |
| 27/10/2018 | 21:05 | 4 | W | 28/10/2018 | 04:00 | 1.8 | NE | 28/10/2018 | 10:55 | 1.8 | WNW |
| 27/10/2018 | 21:10 | 1.3 | WSW | 28/10/2018 | 04:05 | 0.4 | WNW | 28/10/2018 | 11:00 | 0.4 | NNE |
| 27/10/2018 | 21:15 | 0.4 | W | 28/10/2018 | 04:10 | 1.3 | E | 28/10/2018 | 11:05 | 1.8 | WSW |
| 27/10/2018 | 21:20 | 3.1 | NE | 28/10/2018 | 04:15 | 2.2 | WSW | 28/10/2018 | 11:10 | 2.2 | N |
| 27/10/2018 | 21:25 | 1.3 | W | 28/10/2018 | 04:20 | 2.7 | ESE | 28/10/2018 | 11:15 | 1.8 | WNW |
| 27/10/2018 | 21:30 | 0.4 | NE | 28/10/2018 | 04:25 | 1.8 | NNE | 28/10/2018 | 11:20 | 1.3 | E |
| 27/10/2018 | 21:35 | 1.3 | WSW | 28/10/2018 | 04:30 | 1.3 | WNW | 28/10/2018 | 11:25 | 0.9 | WSW |
| 27/10/2018 | 21:40 | 1.8 | WSW | 28/10/2018 | 04:35 | 2.2 | NNW | 28/10/2018 | 11:30 | 2.7 | E |
| 27/10/2018 | 21:45 | 1.8 | NW | 28/10/2018 | 04:40 | 3.1 | WSW | 28/10/2018 | 11:35 | 1.3 | NW |
| 27/10/2018 | 21:50 | 2.2 | NE | 28/10/2018 | 04:45 | 2.2 | NE | 28/10/2018 | 11:40 | 1.8 | NW |
| 27/10/2018 | 21:55 | 0.4 | W | 28/10/2018 | 04:50 | 1.3 | WNW | 28/10/2018 | 11:45 | 3.1 | W |
| 27/10/2018 | 22:00 | 0.4 | W | 28/10/2018 | 04:55 | 2.7 | N | 28/10/2018 | 11:50 | 2.7 | W |
| 27/10/2018 | 22:05 | 0.9 | W | 28/10/2018 | 05:00 | 1.8 | WSW | 28/10/2018 | 11:55 | 2.2 | WSW |
| 27/10/2018 | 22:10 | 0.9 | SSW | 28/10/2018 | 05:05 | 2.7 | W | 28/10/2018 | 12:00 | 1.3 | NW |
| 27/10/2018 | 22:15 | 1.3 | NNE | 28/10/2018 | 05:10 | 2.2 | W | 28/10/2018 | 12:05 | 2.2 | WNW |
| 27/10/2018 | 22:20 | 1.3 | NE | 28/10/2018 | 05:15 | 2.2 | E | 28/10/2018 | 12:10 | 1.3 | E |
| 27/10/2018 | 22:25 | 2.2 | N | 28/10/2018 | 05:20 | 1.8 | NE | 28/10/2018 | 12:15 | 2.7 | NE |
| 27/10/2018 | 22:30 | 1.8 | N | 28/10/2018 | 05:25 | 2.7 | W | 28/10/2018 | 12:20 | 0.9 | W |
| 27/10/2018 | 22:35 | 1.3 | N | 28/10/2018 | 05:30 | 3.1 | WSW | 28/10/2018 | 12:25 | 1.3 | N |
| 27/10/2018 | 22:40 | 0.4 | W | 28/10/2018 | 05:35 | 3.1 | W | 28/10/2018 | 12:30 | 1.8 | W |
| 27/10/2018 | 22:45 | 1.8 | N | 28/10/2018 | 05:40 | 1.8 | E | 28/10/2018 | 12:35 | 1.3 | ENE |
| 27/10/2018 | 22:50 | 0.9 | ENE | 28/10/2018 | 05:45 | 2.2 | NW | 28/10/2018 | 12:40 | 1.8 | N |
| 27/10/2018 | 22:55 | 1.8 | WSW | 28/10/2018 | 05:50 | 2.2 | NNW | 28/10/2018 | 12:45 | 1.8 | WSW |
| 27/10/2018 | 23:00 | 3.1 | NE | 28/10/2018 | 05:55 | 2.2 | W | 28/10/2018 | 12:50 | 1.8 | NW |
| 27/10/2018 | 23:05 | 2.7 | NE | 28/10/2018 | 06:00 | 2.7 | NW | 28/10/2018 | 12:55 | 2.2 | W |
| 27/10/2018 | 23:10 | 1.3 | NNE | 28/10/2018 | 06:05 | 2.2 | NNE | 28/10/2018 | 13:00 | 3.1 | NW |
| 27/10/2018 | 23:15 | 1.8 | SW | 28/10/2018 | 06:10 | 0.4 | WNW | 28/10/2018 | 13:05 | 1.3 | WNW |
| 27/10/2018 | 23:20 | 2.2 | NE | 28/10/2018 | 06:15 | 2.2 | W | 28/10/2018 | 13:10 | 1.8 | ENE |
| 27/10/2018 | 23:25 | 0.4 | W | 28/10/2018 | 06:20 | 2.7 | NW | 28/10/2018 | 13:15 | 3.1 | NW |
| 27/10/2018 | 23:30 | 1.3 | N | 28/10/2018 | 06:25 | 1.8 | W | 28/10/2018 | 13:20 | 1.8 | NW |
| 27/10/2018 | 23:35 | 0.4 | W | 28/10/2018 | 06:30 | 2.2 | WNW | 28/10/2018 | 13:25 | 2.2 | WNW |
| 27/10/2018 | 23:40 | 0.4 | SW | 28/10/2018 | 06:35 | 1.8 | NE | 28/10/2018 | 13:30 | 1.8 | SW |
| 27/10/2018 | 23:45 | 1.3 | WNW | 28/10/2018 | 06:40 | 2.7 | NW | 28/10/2018 | 13:35 | 2.2 | W |
| 27/10/2018 | 23:50 | 0.4 | W | 28/10/2018 | 06:45 | 0.9 | W | 28/10/2018 | 13:40 | 1.3 | NNW |
| 27/10/2018 | 23:55 | 2.2 | WSW | 28/10/2018 | 06:50 | 3.6 | W | 28/10/2018 | 13:45 | 2.2 | E |
| 28/10/2018 | 00:00 | 1.3 | N | 28/10/2018 | 06:55 | 1.3 | N | 28/10/2018 | 13:50 | 2.2 | W |
| 28/10/2018 | 00:05 | 0.9 | N | 28/10/2018 | 07:00 | 1.8 | W | 28/10/2018 | 13:55 | 1.3 | W |
| 28/10/2018 | 00:10 | 2.2 | W | 28/10/2018 | 07:05 | 1.8 | W | 28/10/2018 | 14:00 | 2.2 | W |
| 28/10/2018 | 00:15 | 2.7 | W | 28/10/2018 | 07:10 | 1.3 | N | 28/10/2018 | 14:05 | 1.8 | NW |
| 28/10/2018 | 00:20 | 2.7 | W | 28/10/2018 | 07:15 | 2.7 | W | 28/10/2018 | 14:10 | 2.2 | W |
| 28/10/2018 | 00:25 | 1.8 | WNW | 28/10/2018 | 07:20 | 3.1 | W | 28/10/2018 | 14:15 | 1.8 | WSW |
| 28/10/2018 | 00:30 | 0.9 | E | 28/10/2018 | 07:25 | 0.9 | ESE | 28/10/2018 | 14:20 | 2.2 | ENE |
| 28/10/2018 | 00:35 | 1.3 | ENE | 28/10/2018 | 07:30 | 1.3 | NE | 28/10/2018 | 14:25 | 0.4 | NE |
| 28/10/2018 | 00:40 | 1.3 | NE | 28/10/2018 | 07:35 | 2.2 | W | 28/10/2018 | 14:30 | 0.9 | WNW |
| 28/10/2018 | 00:45 | 1.8 | NW | 28/10/2018 | 07:40 | 1.3 | E | 28/10/2018 | 14:35 | 2.2 | W |
| 28/10/2018 | 00:50 | 2.7 | W | 28/10/2018 | 07:45 | 3.1 | W | 28/10/2018 | 14:40 | 2.7 | W |
| 28/10/2018 | 00:55 | 1.3 | NE | 28/10/2018 | 07:50 | 1.8 | N | 28/10/2018 | 14:45 | 2.7 | W |
| 28/10/2018 | 01:00 | 1.8 | NNW | 28/10/2018 | 07:55 | 2.2 | NNW | 28/10/2018 | 14:50 | 2.2 | ENE |
| 28/10/2018 | 01:05 | 0.9 | E | 28/10/2018 | 08:00 | 0.4 | NW | 28/10/2018 | 14:55 | 1.8 | ENE |
| 28/10/2018 | 01:10 | 1.3 | E | 28/10/2018 | 08:05 | 2.2 | NNE | 28/10/2018 | 15:00 | 2.2 | W |
| 28/10/2018 | 01:15 | 2.2 | WSW | 28/10/2018 | 08:10 | 1.8 | WNW | 28/10/2018 | 15:05 | 0.9 | NE |
| 28/10/2018 | 01:20 | 3.6 | W | 28/10/2018 | 08:15 | 0.9 | NE | 28/10/2018 | 15:10 | 1.8 | W |
| 28/10/2018 | 01:25 | 1.8 | W | 28/10/2018 | 08:20 | 2.2 | WSW | 28/10/2018 | 15:15 | 1.8 | WSW |
| 28/10/2018 | 01:30 | 1.3 | N | 28/10/2018 | 08:25 | 2.2 | NW | 28/10/2018 | 15:20 | 0.9 | NE |
| 28/10/2018 | 01:35 | 1.3 | NW | 28/10/2018 | 08:30 | 0.4 | E | 28/10/2018 | 15:25 | 2.2 | NE |
| 28/10/2018 | 01:40 | 1.3 | NNE | 28/10/2018 | 08:35 | 2.7 | NNE | 28/10/2018 | 15:30 | 0.9 | WNW |
| 28/10/2018 | 01:45 | 2.2 | NE | 28/10/2018 | 08:40 | 1.8 | W | 28/10/2018 | 15:35 | 2.2 | WNW |
| 28/10/2018 | 01:50 | 2.2 | W | 28/10/2018 | 08:45 | 3.1 | W | 28/10/2018 | 15:40 | 2.2 | WNW |
| 28/10/2018 | 01:55 | 1.8 | NE | 28/10/2018 | 08:50 | 2.7 | W | 28/10/2018 | 15:45 | 1.8 | SW |
| 28/10/2018 | 02:00 | 2.7 | W | 28/10/2018 | 08:55 | 1.3 | W | 28/10/2018 | 15:50 | 1.3 | WNW |
| 28/10/2018 | 02:05 | 2.7 | W | 28/10/2018 | 09:00 | 1.3 | W | 28/10/2018 | 15:55 | 3.1 | W |
| 28/10/2018 | 02:10 | 2.7 | W | 28/10/2018 | 09:05 | 1.8 | WNW | 28/10/2018 | 16:00 | 3.1 | NW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 28/10/2018 | 16:05 | 2.2 | WNW | 28/10/2018 | 23:00 | 3.1 | W | 29/10/2018 | 05:55 | 1.8 | W |
| 28/10/2018 | 16:10 | 0.4 | NE | 28/10/2018 | 23:05 | 2.2 | W | 29/10/2018 | 06:00 | 1.3 | W |
| 28/10/2018 | 16:15 | 1.3 | NE | 28/10/2018 | 23:10 | 2.2 | W | 29/10/2018 | 06:05 | 2.7 | NE |
| 28/10/2018 | 16:20 | 1.8 | NW | 28/10/2018 | 23:15 | 0.4 | NE | 29/10/2018 | 06:10 | 0.9 | N |
| 28/10/2018 | 16:25 | 1.3 | ESE | 28/10/2018 | 23:20 | 2.7 | W | 29/10/2018 | 06:15 | 1.3 | W |
| 28/10/2018 | 16:30 | 1.8 | W | 28/10/2018 | 23:25 | 0.9 | W | 29/10/2018 | 06:20 | 1.3 | W |
| 28/10/2018 | 16:35 | 2.2 | WNW | 28/10/2018 | 23:30 | 2.7 | WSW | 29/10/2018 | 06:25 | 0.9 | NE |
| 28/10/2018 | 16:40 | 3.6 | W | 28/10/2018 | 23:35 | 3.1 | WSW | 29/10/2018 | 06:30 | 1.3 | WSW |
| 28/10/2018 | 16:45 | 2.7 | W | 28/10/2018 | 23:40 | 2.7 | W | 29/10/2018 | 06:35 | 0.4 | ESE |
| 28/10/2018 | 16:50 | 2.2 | W | 28/10/2018 | 23:45 | 2.2 | NNW | 29/10/2018 | 06:40 | 0.9 | N |
| 28/10/2018 | 16:55 | 1.8 | WSW | 28/10/2018 | 23:50 | 2.7 | W | 29/10/2018 | 06:45 | 0.9 | E |
| 28/10/2018 | 17:00 | 1.8 | N | 28/10/2018 | 23:55 | 0.9 | W | 29/10/2018 | 06:50 | 0.9 | SSW |
| 28/10/2018 | 17:05 | 1.8 | NE | 29/10/2018 | 00:00 | 1.8 | WNW | 29/10/2018 | 06:55 | 1.8 | S |
| 28/10/2018 | 17:10 | 2.7 | W | 29/10/2018 | 00:05 | 2.7 | WSW | 29/10/2018 | 07:00 | 0.9 | WSW |
| 28/10/2018 | 17:15 | 2.2 | NE | 29/10/2018 | 00:10 | 2.2 | W | 29/10/2018 | 07:05 | 1.3 | SW |
| 28/10/2018 | 17:20 | 1.3 | WNW | 29/10/2018 | 00:15 | 0.9 | WNW | 29/10/2018 | 07:10 | 0.4 | ESE |
| 28/10/2018 | 17:25 | 1.3 | NW | 29/10/2018 | 00:20 | 1.3 | SW | 29/10/2018 | 07:15 | 0.9 | NE |
| 28/10/2018 | 17:30 | 2.7 | W | 29/10/2018 | 00:25 | 1.8 | W | 29/10/2018 | 07:20 | 0.4 | W |
| 28/10/2018 | 17:35 | 3.1 | NW | 29/10/2018 | 00:30 | 0.9 | SSW | 29/10/2018 | 07:25 | 1.8 | WNW |
| 28/10/2018 | 17:40 | 2.7 | NW | 29/10/2018 | 00:35 | 0.4 | WSW | 29/10/2018 | 07:30 | 1.3 | N |
| 28/10/2018 | 17:45 | 3.6 | W | 29/10/2018 | 00:40 | 1.3 | ENE | 29/10/2018 | 07:35 | 1.3 | WSW |
| 28/10/2018 | 17:50 | 0.9 | ENE | 29/10/2018 | 00:45 | 1.3 | SW | 29/10/2018 | 07:40 | 0.4 | NE |
| 28/10/2018 | 17:55 | 1.8 | W | 29/10/2018 | 00:50 | 1.3 | W | 29/10/2018 | 07:45 | 1.3 | WNW |
| 28/10/2018 | 18:00 | 3.1 | W | 29/10/2018 | 00:55 | 2.7 | NE | 29/10/2018 | 07:50 | 0.9 | SSW |
| 28/10/2018 | 18:05 | 2.7 | NW | 29/10/2018 | 01:00 | 0.9 | WSW | 29/10/2018 | 07:55 | 0.9 | NNE |
| 28/10/2018 | 18:10 | 2.7 | W | 29/10/2018 | 01:05 | 0.9 | N | 29/10/2018 | 08:00 | 0.9 | NE |
| 28/10/2018 | 18:15 | 1.8 | W | 29/10/2018 | 01:10 | 0.4 | NE | 29/10/2018 | 08:05 | 1.8 | NE |
| 28/10/2018 | 18:20 | 1.8 | NE | 29/10/2018 | 01:15 | 0.4 | WSW | 29/10/2018 | 08:10 | 1.3 | WSW |
| 28/10/2018 | 18:25 | 0.4 | SSE | 29/10/2018 | 01:20 | 1.8 | W | 29/10/2018 | 08:15 | 0.4 | ESE |
| 28/10/2018 | 18:30 | 0.9 | N | 29/10/2018 | 01:25 | 0.4 | WSW | 29/10/2018 | 08:20 | 0.4 | N |
| 28/10/2018 | 18:35 | 2.2 | E | 29/10/2018 | 01:30 | 0.4 | NE | 29/10/2018 | 08:25 | 0.4 | SW |
| 28/10/2018 | 18:40 | 2.7 | W | 29/10/2018 | 01:35 | 1.3 | NE | 29/10/2018 | 08:30 | 1.3 | W |
| 28/10/2018 | 18:45 | 2.2 | NW | 29/10/2018 | 01:40 | 0.4 | NNW | 29/10/2018 | 08:35 | 0.4 | SW |
| 28/10/2018 | 18:50 | 0.9 | S | 29/10/2018 | 01:45 | 1.3 | WSW | 29/10/2018 | 08:40 | 0.9 | NE |
| 28/10/2018 | 18:55 | 3.1 | W | 29/10/2018 | 01:50 | 1.3 | W | 29/10/2018 | 08:45 | 2.2 | W |
| 28/10/2018 | 19:00 | 3.1 | W | 29/10/2018 | 01:55 | 0.9 | NE | 29/10/2018 | 08:50 | 1.3 | WSW |
| 28/10/2018 | 19:05 | 2.2 | NE | 29/10/2018 | 02:00 | 1.8 | ENE | 29/10/2018 | 08:55 | 0.9 | SSW |
| 28/10/2018 | 19:10 | 1.3 | NE | 29/10/2018 | 02:05 | 0.4 | NE | 29/10/2018 | 09:00 | 1.3 | WSW |
| 28/10/2018 | 19:15 | 1.8 | NNW | 29/10/2018 | 02:10 | 0.4 | SW | 29/10/2018 | 09:05 | 0.4 | SW |
| 28/10/2018 | 19:20 | 1.8 | N | 29/10/2018 | 02:15 | 2.2 | WSW | 29/10/2018 | 09:10 | 0.4 | NE |
| 28/10/2018 | 19:25 | 1.3 | E | 29/10/2018 | 02:20 | 1.3 | SW | 29/10/2018 | 09:15 | 1.8 | W |
| 28/10/2018 | 19:30 | 2.2 | W | 29/10/2018 | 02:25 | 1.3 | W | 29/10/2018 | 09:20 | 0.4 | SW |
| 28/10/2018 | 19:35 | 1.8 | NNE | 29/10/2018 | 02:30 | 0.4 | SW | 29/10/2018 | 09:25 | 1.8 | NE |
| 28/10/2018 | 19:40 | 1.8 | NE | 29/10/2018 | 02:35 | 0.4 | WSW | 29/10/2018 | 09:30 | 0.9 | E |
| 28/10/2018 | 19:45 | 1.8 | W | 29/10/2018 | 02:40 | 0.9 | WNW | 29/10/2018 | 09:35 | 0.4 | NE |
| 28/10/2018 | 19:50 | 2.7 | W | 29/10/2018 | 02:45 | 2.2 | W | 29/10/2018 | 09:40 | 1.3 | W |
| 28/10/2018 | 19:55 | 2.2 | NE | 29/10/2018 | 02:50 | 0.9 | W | 29/10/2018 | 09:45 | 0.4 | SW |
| 28/10/2018 | 20:00 | 1.3 | N | 29/10/2018 | 02:55 | 1.3 | NE | 29/10/2018 | 09:50 | 1.3 | NE |
| 28/10/2018 | 20:05 | 0.4 | ENE | 29/10/2018 | 03:00 | 1.8 | WSW | 29/10/2018 | 09:55 | 1.3 | WSW |
| 28/10/2018 | 20:10 | 2.7 | E | 29/10/2018 | 03:05 | 1.8 | NW | 29/10/2018 | 10:00 | 0.9 | WSW |
| 28/10/2018 | 20:15 | 1.3 | NW | 29/10/2018 | 03:10 | 1.8 | NE | 29/10/2018 | 10:05 | 1.3 | WNW |
| 28/10/2018 | 20:20 | 2.7 | W | 29/10/2018 | 03:15 | 1.3 | WSW | 29/10/2018 | 10:10 | 0.9 | NE |
| 28/10/2018 | 20:25 | 2.2 | NNW | 29/10/2018 | 03:20 | 1.3 | W | 29/10/2018 | 10:15 | 0.4 | NNW |
| 28/10/2018 | 20:30 | 1.8 | W | 29/10/2018 | 03:25 | 1.3 | NNE | 29/10/2018 | 10:20 | 1.8 | W |
| 28/10/2018 | 20:35 | 2.2 | W | 29/10/2018 | 03:30 | 0.9 | SW | 29/10/2018 | 10:25 | 1.8 | WSW |
| 28/10/2018 | 20:40 | 3.1 | WSW | 29/10/2018 | 03:35 | 1.8 | W | 29/10/2018 | 10:30 | 0.4 | NE |
| 28/10/2018 | 20:45 | 1.8 | N | 29/10/2018 | 03:40 | 0.4 | NE | 29/10/2018 | 10:35 | 1.3 | WSW |
| 28/10/2018 | 20:50 | 1.8 | NNE | 29/10/2018 | 03:45 | 0.4 | NE | 29/10/2018 | 10:40 | 0.4 | N |
| 28/10/2018 | 20:55 | 2.7 | W | 29/10/2018 | 03:50 | 0.9 | SSW | 29/10/2018 | 10:45 | 1.3 | WSW |
| 28/10/2018 | 21:00 | 0.9 | W | 29/10/2018 | 03:55 | 1.3 | WSW | 29/10/2018 | 10:50 | 0.4 | WSW |
| 28/10/2018 | 21:05 | 2.7 | W | 29/10/2018 | 04:00 | 1.3 | SW | 29/10/2018 | 10:55 | 1.3 | WNW |
| 28/10/2018 | 21:10 | 1.8 | WNW | 29/10/2018 | 04:05 | 1.8 | NE | 29/10/2018 | 11:00 | 0.9 | SSW |
| 28/10/2018 | 21:15 | 0.9 | SW | 29/10/2018 | 04:10 | 0.4 | NNW | 29/10/2018 | 11:05 | 1.3 | WSW |
| 28/10/2018 | 21:20 | 2.7 | NNE | 29/10/2018 | 04:15 | 0.9 | NE | 29/10/2018 | 11:10 | 0.4 | N |
| 28/10/2018 | 21:25 | 1.8 | NW | 29/10/2018 | 04:20 | 1.3 | WSW | 29/10/2018 | 11:15 | 1.3 | SW |
| 28/10/2018 | 21:30 | 3.1 | W | 29/10/2018 | 04:25 | 0.4 | WSW | 29/10/2018 | 11:20 | 1.8 | W |
| 28/10/2018 | 21:35 | 0.9 | NW | 29/10/2018 | 04:30 | 1.3 | WNW | 29/10/2018 | 11:25 | 1.8 | NE |
| 28/10/2018 | 21:40 | 0.4 | NW | 29/10/2018 | 04:35 | 2.7 | W | 29/10/2018 | 11:30 | 1.3 | SW |
| 28/10/2018 | 21:45 | 1.8 | W | 29/10/2018 | 04:40 | 0.9 | WSW | 29/10/2018 | 11:35 | 0.4 | NE |
| 28/10/2018 | 21:50 | 1.3 | E | 29/10/2018 | 04:45 | 1.3 | WSW | 29/10/2018 | 11:40 | 0.9 | NE |
| 28/10/2018 | 21:55 | 2.2 | SW | 29/10/2018 | 04:50 | 1.3 | WNW | 29/10/2018 | 11:45 | 0.9 | NE |
| 28/10/2018 | 22:00 | 2.7 | NE | 29/10/2018 | 04:55 | 4 | ENE | 29/10/2018 | 11:50 | 2.7 | E |
| 28/10/2018 | 22:05 | 2.2 | W | 29/10/2018 | 05:00 | 0.4 | WSW | 29/10/2018 | 11:55 | 1.3 | WSW |
| 28/10/2018 | 22:10 | 2.2 | NNW | 29/10/2018 | 05:05 | 0.4 | NE | 29/10/2018 | 12:00 | 0.4 | SW |
| 28/10/2018 | 22:15 | 1.8 | WNW | 29/10/2018 | 05:10 | 0.4 | WSW | 29/10/2018 | 12:05 | 1.3 | NE |
| 28/10/2018 | 22:20 | 2.7 | W | 29/10/2018 | 05:15 | 1.8 | W | 29/10/2018 | 12:10 | 1.8 | WNW |
| 28/10/2018 | 22:25 | 3.1 | W | 29/10/2018 | 05:20 | 0.9 | W | 29/10/2018 | 12:15 | 1.8 | NW |
| 28/10/2018 | 22:30 | 2.7 | NNE | 29/10/2018 | 05:25 | 1.8 | W | 29/10/2018 | 12:20 | 0.4 | SW |
| 28/10/2018 | 22:35 | 1.8 | NE | 29/10/2018 | 05:30 | 0.9 | NE | 29/10/2018 | 12:25 | 0.9 | NE |
| 28/10/2018 | 22:40 | 3.1 | W | 29/10/2018 | 05:35 | 1.3 | E | 29/10/2018 | 12:30 | 0.9 | SSW |
| 28/10/2018 | 22:45 | 0.9 | N | 29/10/2018 | 05:40 | 1.3 | W | 29/10/2018 | 12:35 | 1.3 | SW |
| 28/10/2018 | 22:50 | 2.2 | WSW | 29/10/2018 | 05:45 | 1.3 | WSW | 29/10/2018 | 12:40 | 0.9 | SSW |
| 28/10/2018 | 22:55 | 2.7 | W | 29/10/2018 | 05:50 | 0.9 | SW | 29/10/2018 | 12:45 | 0.9 | SSW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 29/10/2018 | 12:50 | 1.8 | NW | 29/10/2018 | 19:45 | 1.8 | N | 30/10/2018 | 02:40 | 0.9 | W |
| 29/10/2018 | 12:55 | 0.4 | SW | 29/10/2018 | 19:50 | 0.4 | WSW | 30/10/2018 | 02:45 | 1.3 | NNE |
| 29/10/2018 | 13:00 | 0.9 | W | 29/10/2018 | 19:55 | 1.3 | SW | 30/10/2018 | 02:50 | 1.8 | NW |
| 29/10/2018 | 13:05 | 0.4 | NE | 29/10/2018 | 20:00 | 0.9 | WSW | 30/10/2018 | 02:55 | 0.9 | ENE |
| 29/10/2018 | 13:10 | 1.3 | SW | 29/10/2018 | 20:05 | 1.3 | WSW | 30/10/2018 | 03:00 | 2.2 | NNE |
| 29/10/2018 | 13:15 | 1.8 | W | 29/10/2018 | 20:10 | 0.9 | WNW | 30/10/2018 | 03:05 | 0.4 | ESE |
| 29/10/2018 | 13:20 | 0.9 | WSW | 29/10/2018 | 20:15 | 2.2 | W | 30/10/2018 | 03:10 | 0.9 | NW |
| 29/10/2018 | 13:25 | 0.9 | WNW | 29/10/2018 | 20:20 | 0.9 | SW | 30/10/2018 | 03:15 | 0.4 | ESE |
| 29/10/2018 | 13:30 | 1.3 | WNW | 29/10/2018 | 20:25 | 1.3 | W | 30/10/2018 | 03:20 | 0.9 | E |
| 29/10/2018 | 13:35 | 0.4 | NE | 29/10/2018 | 20:30 | 1.8 | W | 30/10/2018 | 03:25 | 0.4 | N |
| 29/10/2018 | 13:40 | 3.1 | WSW | 29/10/2018 | 20:35 | 1.3 | WSW | 30/10/2018 | 03:30 | 1.8 | WNW |
| 29/10/2018 | 13:45 | 1.8 | W | 29/10/2018 | 20:40 | 1.3 | SW | 30/10/2018 | 03:35 | 0.4 | N |
| 29/10/2018 | 13:50 | 0.4 | ESE | 29/10/2018 | 20:45 | 0.4 | NE | 30/10/2018 | 03:40 | 0.9 | WSW |
| 29/10/2018 | 13:55 | 0.9 | WSW | 29/10/2018 | 20:50 | 0.4 | SSW | 30/10/2018 | 03:45 | 0.9 | W |
| 29/10/2018 | 14:00 | 1.3 | NNE | 29/10/2018 | 20:55 | 1.3 | W | 30/10/2018 | 03:50 | 0.4 | SSW |
| 29/10/2018 | 14:05 | 1.8 | W | 29/10/2018 | 21:00 | 1.8 | WSW | 30/10/2018 | 03:55 | 2.7 | NE |
| 29/10/2018 | 14:10 | 3.1 | E | 29/10/2018 | 21:05 | 0.4 | W | 30/10/2018 | 04:00 | 1.3 | WSW |
| 29/10/2018 | 14:15 | 0.4 | NE | 29/10/2018 | 21:10 | 2.2 | E | 30/10/2018 | 04:05 | 1.8 | NE |
| 29/10/2018 | 14:20 | 1.8 | W | 29/10/2018 | 21:15 | 0.4 | WSW | 30/10/2018 | 04:10 | 0.4 | NW |
| 29/10/2018 | 14:25 | 1.8 | WSW | 29/10/2018 | 21:20 | 1.3 | W | 30/10/2018 | 04:15 | 0.4 | ESE |
| 29/10/2018 | 14:30 | 0.4 | ESE | 29/10/2018 | 21:25 | 0.9 | WSW | 30/10/2018 | 04:20 | 2.7 | NE |
| 29/10/2018 | 14:35 | 0.4 | ESE | 29/10/2018 | 21:30 | 1.3 | E | 30/10/2018 | 04:25 | 0.4 | WSW |
| 29/10/2018 | 14:40 | 1.3 | NE | 29/10/2018 | 21:35 | 0.9 | NNW | 30/10/2018 | 04:30 | 1.3 | NNE |
| 29/10/2018 | 14:45 | 0.9 | SW | 29/10/2018 | 21:40 | 0.9 | SSW | 30/10/2018 | 04:35 | 0.4 | SSW |
| 29/10/2018 | 14:50 | 0.4 | NW | 29/10/2018 | 21:45 | 0.4 | NNE | 30/10/2018 | 04:40 | 0.4 | N |
| 29/10/2018 | 14:55 | 1.8 | W | 29/10/2018 | 21:50 | 0.9 | SSW | 30/10/2018 | 04:45 | 2.7 | WSW |
| 29/10/2018 | 15:00 | 0.4 | SW | 29/10/2018 | 21:55 | 1.3 | WSW | 30/10/2018 | 04:50 | 1.8 | ENE |
| 29/10/2018 | 15:05 | 0.4 | NE | 29/10/2018 | 22:00 | 2.7 | ENE | 30/10/2018 | 04:55 | 1.8 | SW |
| 29/10/2018 | 15:10 | 0.4 | SW | 29/10/2018 | 22:05 | 0.9 | SSW | 30/10/2018 | 05:00 | 1.3 | NE |
| 29/10/2018 | 15:15 | 0.4 | SW | 29/10/2018 | 22:10 | 1.3 | NE | 30/10/2018 | 05:05 | 0.4 | WSW |
| 29/10/2018 | 15:20 | 0.9 | W | 29/10/2018 | 22:15 | 0.4 | SW | 30/10/2018 | 05:10 | 0.9 | W |
| 29/10/2018 | 15:25 | 1.8 | NE | 29/10/2018 | 22:20 | 0.9 | SSW | 30/10/2018 | 05:15 | 2.7 | NE |
| 29/10/2018 | 15:30 | 0.9 | NE | 29/10/2018 | 22:25 | 0.9 | NE | 30/10/2018 | 05:20 | 0.9 | SW |
| 29/10/2018 | 15:35 | 2.2 | NE | 29/10/2018 | 22:30 | 1.3 | NNE | 30/10/2018 | 05:25 | 2.2 | NNE |
| 29/10/2018 | 15:40 | 1.3 | WSW | 29/10/2018 | 22:35 | 0.9 | SSW | 30/10/2018 | 05:30 | 1.8 | NE |
| 29/10/2018 | 15:45 | 0.9 | NE | 29/10/2018 | 22:40 | 0.9 | SSW | 30/10/2018 | 05:35 | 0.9 | WSW |
| 29/10/2018 | 15:50 | 1.3 | W | 29/10/2018 | 22:45 | 0.4 | WSW | 30/10/2018 | 05:40 | 1.3 | NW |
| 29/10/2018 | 15:55 | 0.4 | SW | 29/10/2018 | 22:50 | 0.9 | SSW | 30/10/2018 | 05:45 | 0.9 | SSW |
| 29/10/2018 | 16:00 | 1.3 | ENE | 29/10/2018 | 22:55 | 0.4 | SW | 30/10/2018 | 05:50 | 0.4 | ESE |
| 29/10/2018 | 16:05 | 1.3 | W | 29/10/2018 | 23:00 | 0.4 | ENE | 30/10/2018 | 05:55 | 0.9 | NE |
| 29/10/2018 | 16:10 | 1.3 | W | 29/10/2018 | 23:05 | 1.8 | WSW | 30/10/2018 | 06:00 | 2.2 | NE |
| 29/10/2018 | 16:15 | 0.9 | W | 29/10/2018 | 23:10 | 2.2 | NE | 30/10/2018 | 06:05 | 0.4 | SSW |
| 29/10/2018 | 16:20 | 0.4 | ESE | 29/10/2018 | 23:15 | 0.9 | SW | 30/10/2018 | 06:10 | 1.8 | NE |
| 29/10/2018 | 16:25 | 0.9 | SSW | 29/10/2018 | 23:20 | 0.4 | SW | 30/10/2018 | 06:15 | 1.8 | NNE |
| 29/10/2018 | 16:30 | 1.3 | NE | 29/10/2018 | 23:25 | 1.3 | WSW | 30/10/2018 | 06:20 | 0.9 | E |
| 29/10/2018 | 16:35 | 1.8 | W | 29/10/2018 | 23:30 | 0.9 | SW | 30/10/2018 | 06:25 | 2.7 | NE |
| 29/10/2018 | 16:40 | 1.3 | WSW | 29/10/2018 | 23:35 | 0.9 | NE | 30/10/2018 | 06:30 | 3.1 | WSW |
| 29/10/2018 | 16:45 | 1.3 | NW | 29/10/2018 | 23:40 | 1.8 | NE | 30/10/2018 | 06:35 | 0.4 | WSW |
| 29/10/2018 | 16:50 | 0.9 | SSW | 29/10/2018 | 23:45 | 1.3 | WSW | 30/10/2018 | 06:40 | 1.3 | NE |
| 29/10/2018 | 16:55 | 1.3 | S | 29/10/2018 | 23:50 | 0.4 | NE | 30/10/2018 | 06:45 | 1.3 | NNE |
| 29/10/2018 | 17:00 | 0.4 | NE | 29/10/2018 | 23:55 | 1.8 | WSW | 30/10/2018 | 06:50 | 0.9 | ENE |
| 29/10/2018 | 17:05 | 0.4 | ESE | 30/10/2018 | 00:00 | 1.3 | WNW | 30/10/2018 | 06:55 | 0.9 | ENE |
| 29/10/2018 | 17:10 | 1.3 | W | 30/10/2018 | 00:05 | 1.3 | NE | 30/10/2018 | 07:00 | 2.2 | W |
| 29/10/2018 | 17:15 | 0.9 | WSW | 30/10/2018 | 00:10 | 2.7 | ENE | 30/10/2018 | 07:05 | 0.9 | E |
| 29/10/2018 | 17:20 | 0.9 | NW | 30/10/2018 | 00:15 | 2.7 | NE | 30/10/2018 | 07:10 | 0.4 | ESE |
| 29/10/2018 | 17:25 | 0.4 | SW | 30/10/2018 | 00:20 | 2.7 | W | 30/10/2018 | 07:15 | 0.4 | SSW |
| 29/10/2018 | 17:30 | 1.3 | WNW | 30/10/2018 | 00:25 | 0.4 | NE | 30/10/2018 | 07:20 | 2.2 | WSW |
| 29/10/2018 | 17:35 | 1.3 | WSW | 30/10/2018 | 00:30 | 2.2 | W | 30/10/2018 | 07:25 | 0.9 | SSW |
| 29/10/2018 | 17:40 | 1.3 | WSW | 30/10/2018 | 00:35 | 1.3 | WSW | 30/10/2018 | 07:30 | 1.3 | NNE |
| 29/10/2018 | 17:45 | 2.2 | NE | 30/10/2018 | 00:40 | 1.3 | ENE | 30/10/2018 | 07:35 | 0.9 | SW |
| 29/10/2018 | 17:50 | 0.9 | WNW | 30/10/2018 | 00:45 | 2.2 | NE | 30/10/2018 | 07:40 | 1.8 | NE |
| 29/10/2018 | 17:55 | 1.8 | WSW | 30/10/2018 | 00:50 | 0.4 | SSW | 30/10/2018 | 07:45 | 1.3 | W |
| 29/10/2018 | 18:00 | 2.2 | WSW | 30/10/2018 | 00:55 | 2.2 | NNE | 30/10/2018 | 07:50 | 1.8 | WSW |
| 29/10/2018 | 18:05 | 0.4 | SW | 30/10/2018 | 01:00 | 1.8 | W | 30/10/2018 | 07:55 | 0.9 | SW |
| 29/10/2018 | 18:10 | 0.4 | ESE | 30/10/2018 | 01:05 | 0.9 | SSW | 30/10/2018 | 08:00 | 1.8 | SW |
| 29/10/2018 | 18:15 | 0.9 | WSW | 30/10/2018 | 01:10 | 2.2 | NE | 30/10/2018 | 08:05 | 2.7 | NNE |
| 29/10/2018 | 18:20 | 2.2 | W | 30/10/2018 | 01:15 | 0.4 | SSW | 30/10/2018 | 08:10 | 2.7 | ENE |
| 29/10/2018 | 18:25 | 1.3 | NE | 30/10/2018 | 01:20 | 0.4 | S | 30/10/2018 | 08:15 | 1.8 | ENE |
| 29/10/2018 | 18:30 | 1.3 | WSW | 30/10/2018 | 01:25 | 0.9 | SW | 30/10/2018 | 08:20 | 1.3 | WNW |
| 29/10/2018 | 18:35 | 0.9 | SSW | 30/10/2018 | 01:30 | 0.4 | ESE | 30/10/2018 | 08:25 | 1.8 | NE |
| 29/10/2018 | 18:40 | 0.9 | NE | 30/10/2018 | 01:35 | 1.3 | WNW | 30/10/2018 | 08:30 | 2.7 | NE |
| 29/10/2018 | 18:45 | 1.3 | WNW | 30/10/2018 | 01:40 | 0.4 | NNW | 30/10/2018 | 08:35 | 1.3 | NW |
| 29/10/2018 | 18:50 | 1.8 | W | 30/10/2018 | 01:45 | 0.9 | NNE | 30/10/2018 | 08:40 | 0.9 | E |
| 29/10/2018 | 18:55 | 0.9 | SSW | 30/10/2018 | 01:50 | 0.4 | ESE | 30/10/2018 | 08:45 | 1.3 | NE |
| 29/10/2018 | 19:00 | 0.9 | NNW | 30/10/2018 | 01:55 | 2.7 | NE | 30/10/2018 | 08:50 | 0.9 | NNE |
| 29/10/2018 | 19:05 | 1.3 | WSW | 30/10/2018 | 02:00 | 2.2 | W | 30/10/2018 | 08:55 | 1.8 | W |
| 29/10/2018 | 19:10 | 0.9 | NE | 30/10/2018 | 02:05 | 2.2 | WNW | 30/10/2018 | 09:00 | 0.9 | NNE |
| 29/10/2018 | 19:15 | 0.4 | WSW | 30/10/2018 | 02:10 | 0.4 | NW | 30/10/2018 | 09:05 | 1.8 | W |
| 29/10/2018 | 19:20 | 1.3 | NE | 30/10/2018 | 02:15 | 1.8 | N | 30/10/2018 | 09:10 | 2.7 | NE |
| 29/10/2018 | 19:25 | 0.4 | WSW | 30/10/2018 | 02:20 | 2.7 | NE | 30/10/2018 | 09:15 | 2.2 | NNE |
| 29/10/2018 | 19:30 | 1.8 | NE | 30/10/2018 | 02:25 | 3.1 | WSW | 30/10/2018 | 09:20 | 1.3 | NW |
| 29/10/2018 | 19:35 | 1.8 | WSW | 30/10/2018 | 02:30 | 0.4 | SSW | 30/10/2018 | 09:25 | 2.7 | NE |
| 29/10/2018 | 19:40 | 3.1 | ENE | 30/10/2018 | 02:35 | 0.4 | NE | 30/10/2018 | 09:30 | 0.9 | WSW |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30/10/2018 | 09:35 | 0.9 | ENE | 30/10/2018 | 16:30 | 2.2 | NNE | 30/10/2018 | 23:25 | 1.8 | WNW |
| 30/10/2018 | 09:40 | 1.3 | SW | 30/10/2018 | 16:35 | 2.7 | NE | 30/10/2018 | 23:30 | 0.4 | SSW |
| 30/10/2018 | 09:45 | 0.4 | NW | 30/10/2018 | 16:40 | 0.9 | ENE | 30/10/2018 | 23:35 | 0.9 | E |
| 30/10/2018 | 09:50 | 1.3 | NE | 30/10/2018 | 16:45 | 1.3 | NNE | 30/10/2018 | 23:40 | 1.3 | WNW |
| 30/10/2018 | 09:55 | 0.9 | SW | 30/10/2018 | 16:50 | 2.7 | NE | 30/10/2018 | 23:45 | 2.7 | W |
| 30/10/2018 | 10:00 | 0.9 | SE | 30/10/2018 | 16:55 | 0.4 | WSW | 30/10/2018 | 23:50 | 0.4 | WSW |
| 30/10/2018 | 10:05 | 2.7 | W | 30/10/2018 | 17:00 | 1.3 | ENE | 30/10/2018 | 23:55 | 1.8 | SW |
| 30/10/2018 | 10:10 | 2.7 | ENE | 30/10/2018 | 17:05 | 1.8 | NE | 31/10/2018 | 00:00 | 0.9 | WSW |
| 30/10/2018 | 10:15 | 1.8 | ENE | 30/10/2018 | 17:10 | 0.9 | ENE | 31/10/2018 | 00:05 | 1.8 | NE |
| 30/10/2018 | 10:20 | 0.4 | NNE | 30/10/2018 | 17:15 | 2.7 | NE | 31/10/2018 | 00:10 | 1.3 | ENE |
| 30/10/2018 | 10:25 | 1.3 | NE | 30/10/2018 | 17:20 | 2.7 | NE | 31/10/2018 | 00:15 | 3.1 | W |
| 30/10/2018 | 10:30 | 0.4 | ESE | 30/10/2018 | 17:25 | 0.9 | W | 31/10/2018 | 00:20 | 2.2 | W |
| 30/10/2018 | 10:35 | 2.2 | W | 30/10/2018 | 17:30 | 1.3 | NE | 31/10/2018 | 00:25 | 2.2 | SW |
| 30/10/2018 | 10:40 | 0.9 | SW | 30/10/2018 | 17:35 | 1.3 | E | 31/10/2018 | 00:30 | 1.3 | E |
| 30/10/2018 | 10:45 | 1.8 | NNE | 30/10/2018 | 17:40 | 3.1 | W | 31/10/2018 | 00:35 | 1.3 | W |
| 30/10/2018 | 10:50 | 0.9 | E | 30/10/2018 | 17:45 | 0.4 | N | 31/10/2018 | 00:40 | 1.8 | WSW |
| 30/10/2018 | 10:55 | 2.2 | ENE | 30/10/2018 | 17:50 | 1.8 | ENE | 31/10/2018 | 00:45 | 2.2 | W |
| 30/10/2018 | 11:00 | 1.3 | NE | 30/10/2018 | 17:55 | 1.8 | NNE | 31/10/2018 | 00:50 | 1.3 | NW |
| 30/10/2018 | 11:05 | 0.4 | WSW | 30/10/2018 | 18:00 | 0.9 | SE | 31/10/2018 | 00:55 | 1.3 | N |
| 30/10/2018 | 11:10 | 1.8 | W | 30/10/2018 | 18:05 | 0.4 | WSW | 31/10/2018 | 01:00 | 1.3 | W |
| 30/10/2018 | 11:15 | 2.2 | NE | 30/10/2018 | 18:10 | 2.7 | WSW | 31/10/2018 | 01:05 | 1.3 | E |
| 30/10/2018 | 11:20 | 2.7 | SW | 30/10/2018 | 18:15 | 1.3 | NE | 31/10/2018 | 01:10 | 2.2 | W |
| 30/10/2018 | 11:25 | 0.9 | NNE | 30/10/2018 | 18:20 | 0.4 | ESE | 31/10/2018 | 01:15 | 1.8 | NW |
| 30/10/2018 | 11:30 | 2.2 | NE | 30/10/2018 | 18:25 | 1.3 | NW | 31/10/2018 | 01:20 | 1.8 | N |
| 30/10/2018 | 11:35 | 1.3 | NE | 30/10/2018 | 18:30 | 0.4 | ESE | 31/10/2018 | 01:25 | 0.9 | NE |
| 30/10/2018 | 11:40 | 2.2 | NE | 30/10/2018 | 18:35 | 1.8 | NE | 31/10/2018 | 01:30 | 2.2 | NNW |
| 30/10/2018 | 11:45 | 3.1 | NE | 30/10/2018 | 18:40 | 2.2 | NNE | 31/10/2018 | 01:35 | 3.1 | W |
| 30/10/2018 | 11:50 | 0.9 | NE | 30/10/2018 | 18:45 | 0.4 | ESE | 31/10/2018 | 01:40 | 2.2 | NW |
| 30/10/2018 | 11:55 | 0.4 | WSW | 30/10/2018 | 18:50 | 0.4 | NNE | 31/10/2018 | 01:45 | 1.3 | NNE |
| 30/10/2018 | 12:00 | 1.8 | E | 30/10/2018 | 18:55 | 1.3 | WSW | 31/10/2018 | 01:50 | 2.2 | W |
| 30/10/2018 | 12:05 | 0.4 | SSW | 30/10/2018 | 19:00 | 1.3 | NE | 31/10/2018 | 01:55 | 3.1 | W |
| 30/10/2018 | 12:10 | 3.1 | NE | 30/10/2018 | 19:05 | 0.9 | NW | 31/10/2018 | 02:00 | 2.2 | NNW |
| 30/10/2018 | 12:15 | 0.4 | WSW | 30/10/2018 | 19:10 | 2.7 | WSW | 31/10/2018 | 02:05 | 0.9 | W |
| 30/10/2018 | 12:20 | 0.4 | SSW | 30/10/2018 | 19:15 | 2.7 | WSW | 31/10/2018 | 02:10 | 2.2 | NW |
| 30/10/2018 | 12:25 | 1.3 | NNE | 30/10/2018 | 19:20 | 0.4 | ENE | 31/10/2018 | 02:15 | 2.7 | W |
| 30/10/2018 | 12:30 | 2.2 | NE | 30/10/2018 | 19:25 | 0.9 | SW | 31/10/2018 | 02:20 | 1.8 | WSW |
| 30/10/2018 | 12:35 | 2.2 | W | 30/10/2018 | 19:30 | 2.2 | NE | 31/10/2018 | 02:25 | 1.3 | NW |
| 30/10/2018 | 12:40 | 2.7 | NE | 30/10/2018 | 19:35 | 0.9 | SE | 31/10/2018 | 02:30 | 1.3 | E |
| 30/10/2018 | 12:45 | 1.3 | WNW | 30/10/2018 | 19:40 | 2.7 | NE | 31/10/2018 | 02:35 | 3.1 | WSW |
| 30/10/2018 | 12:50 | 2.2 | WSW | 30/10/2018 | 19:45 | 0.9 | ENE | 31/10/2018 | 02:40 | 2.2 | W |
| 30/10/2018 | 12:55 | 1.8 | W | 30/10/2018 | 19:50 | 3.1 | NE | 31/10/2018 | 02:45 | 1.3 | NE |
| 30/10/2018 | 13:00 | 0.4 | SSW | 30/10/2018 | 19:55 | 2.2 | W | 31/10/2018 | 02:50 | 3.6 | W |
| 30/10/2018 | 13:05 | 1.3 | ENE | 30/10/2018 | 20:00 | 3.6 | W | 31/10/2018 | 02:55 | 0.4 | NW |
| 30/10/2018 | 13:10 | 1.8 | W | 30/10/2018 | 20:05 | 2.2 | NNE | 31/10/2018 | 03:00 | 1.8 | WNW |
| 30/10/2018 | 13:15 | 2.2 | WSW | 30/10/2018 | 20:10 | 1.3 | NE | 31/10/2018 | 03:05 | 2.2 | WNW |
| 30/10/2018 | 13:20 | 2.2 | WNW | 30/10/2018 | 20:15 | 0.4 | ESE | 31/10/2018 | 03:10 | 2.7 | W |
| 30/10/2018 | 13:25 | 1.8 | NE | 30/10/2018 | 20:20 | 2.2 | W | 31/10/2018 | 03:15 | 1.8 | N |
| 30/10/2018 | 13:30 | 1.8 | N | 30/10/2018 | 20:25 | 1.8 | ENE | 31/10/2018 | 03:20 | 1.3 | NE |
| 30/10/2018 | 13:35 | 1.8 | WNW | 30/10/2018 | 20:30 | 0.9 | SE | 31/10/2018 | 03:25 | 1.3 | E |
| 30/10/2018 | 13:40 | 0.4 | ENE | 30/10/2018 | 20:35 | 1.8 | WNW | 31/10/2018 | 03:30 | 0.9 | NE |
| 30/10/2018 | 13:45 | 2.7 | NE | 30/10/2018 | 20:40 | 1.8 | WNW | 31/10/2018 | 03:35 | 2.7 | NE |
| 30/10/2018 | 13:50 | 0.4 | SSW | 30/10/2018 | 20:45 | 2.2 | W | 31/10/2018 | 03:40 | 0.9 | NE |
| 30/10/2018 | 13:55 | 1.8 | NNE | 30/10/2018 | 20:50 | 1.3 | W | 31/10/2018 | 03:45 | 3.1 | WSW |
| 30/10/2018 | 14:00 | 0.4 | ENE | 30/10/2018 | 20:55 | 1.8 | W | 31/10/2018 | 03:50 | 3.6 | W |
| 30/10/2018 | 14:05 | 1.8 | W | 30/10/2018 | 21:00 | 1.3 | NE | 31/10/2018 | 03:55 | 0.4 | NE |
| 30/10/2018 | 14:10 | 2.2 | E | 30/10/2018 | 21:05 | 0.9 | ENE | 31/10/2018 | 04:00 | 2.2 | W |
| 30/10/2018 | 14:15 | 2.2 | NE | 30/10/2018 | 21:10 | 1.8 | NE | 31/10/2018 | 04:05 | 2.2 | W |
| 30/10/2018 | 14:20 | 1.3 | WNW | 30/10/2018 | 21:15 | 2.2 | ENE | 31/10/2018 | 04:10 | 1.3 | ENE |
| 30/10/2018 | 14:25 | 1.8 | SW | 30/10/2018 | 21:20 | 0.4 | ESE | 31/10/2018 | 04:15 | 2.2 | W |
| 30/10/2018 | 14:30 | 0.4 | WSW | 30/10/2018 | 21:25 | 0.9 | NW | 31/10/2018 | 04:20 | 0.9 | WNW |
| 30/10/2018 | 14:35 | 1.8 | WSW | 30/10/2018 | 21:30 | 0.4 | ESE | 31/10/2018 | 04:25 | 0.4 | NE |
| 30/10/2018 | 14:40 | 0.4 | WSW | 30/10/2018 | 21:35 | 0.9 | WSW | 31/10/2018 | 04:30 | 1.3 | E |
| 30/10/2018 | 14:45 | 2.7 | ENE | 30/10/2018 | 21:40 | 0.4 | ESE | 31/10/2018 | 04:35 | 0.9 | WSW |
| 30/10/2018 | 14:50 | 2.2 | ENE | 30/10/2018 | 21:45 | 0.4 | SSW | 31/10/2018 | 04:40 | 2.7 | W |
| 30/10/2018 | 14:55 | 2.2 | NE | 30/10/2018 | 21:50 | 2.7 | NE | 31/10/2018 | 04:45 | 2.7 | NNE |
| 30/10/2018 | 15:00 | 2.7 | W | 30/10/2018 | 21:55 | 0.4 | S | 31/10/2018 | 04:50 | 1.8 | N |
| 30/10/2018 | 15:05 | 0.4 | SSW | 30/10/2018 | 22:00 | 1.3 | NE | 31/10/2018 | 04:55 | 1.8 | NE |
| 30/10/2018 | 15:10 | 1.3 | WNW | 30/10/2018 | 22:05 | 0.9 | E | 31/10/2018 | 05:00 | 2.7 | E |
| 30/10/2018 | 15:15 | 0.4 | WSW | 30/10/2018 | 22:10 | 2.2 | NE | 31/10/2018 | 05:05 | 2.2 | NE |
| 30/10/2018 | 15:20 | 2.2 | NE | 30/10/2018 | 22:15 | 1.8 | ENE | 31/10/2018 | 05:10 | 1.8 | NW |
| 30/10/2018 | 15:25 | 1.8 | W | 30/10/2018 | 22:20 | 0.4 | SSW | 31/10/2018 | 05:15 | 2.2 | W |
| 30/10/2018 | 15:30 | 2.2 | NE | 30/10/2018 | 22:25 | 1.8 | NE | 31/10/2018 | 05:20 | 2.7 | ESE |
| 30/10/2018 | 15:35 | 1.8 | NE | 30/10/2018 | 22:30 | 0.4 | ESE | 31/10/2018 | 05:25 | 2.7 | W |
| 30/10/2018 | 15:40 | 2.2 | WSW | 30/10/2018 | 22:35 | 0.4 | SSW | 31/10/2018 | 05:30 | 1.3 | W |
| 30/10/2018 | 15:45 | 0.9 | SSW | 30/10/2018 | 22:40 | 1.3 | NE | 31/10/2018 | 05:35 | 2.2 | NW |
| 30/10/2018 | 15:50 | 0.4 | SSW | 30/10/2018 | 22:45 | 3.1 | NE | 31/10/2018 | 05:40 | 1.8 | WNW |
| 30/10/2018 | 15:55 | 2.2 | NE | 30/10/2018 | 22:50 | 0.4 | SW | 31/10/2018 | 05:45 | 1.8 | N |
| 30/10/2018 | 16:00 | 1.8 | W | 30/10/2018 | 22:55 | 2.7 | WSW | 31/10/2018 | 05:50 | 2.2 | W |
| 30/10/2018 | 16:05 | 0.9 | WSW | 30/10/2018 | 23:00 | 0.4 | ESE | 31/10/2018 | 05:55 | 2.7 | W |
| 30/10/2018 | 16:10 | 1.8 | W | 30/10/2018 | 23:05 | 2.2 | W | 31/10/2018 | 06:00 | 3.1 | W |
| 30/10/2018 | 16:15 | 2.7 | NE | 30/10/2018 | 23:10 | 2.7 | ENE | 31/10/2018 | 06:05 | 3.1 | W |
| 30/10/2018 | 16:20 | 2.2 | W | 30/10/2018 | 23:15 | 1.3 | NNW | 31/10/2018 | 06:10 | 1.3 | NW |
| 30/10/2018 | 16:25 | 2.7 | WSW | 30/10/2018 | 23:20 | 0.4 | N | 31/10/2018 | 06:15 | 1.8 | W |

**Extracted from the weather station at Tung Chung China State Site Office Rooftop**

| Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction | Date (dd/mm/yyyy) | Time | Wind Speed (m/s) | Wind Direction |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 31/10/2018 | 06:20 | 2.2 | W | 31/10/2018 | 13:15 | 2.2 | W | 31/10/2018 | 20:10 | 3.1 | W |
| 31/10/2018 | 06:25 | 2.2 | NE | 31/10/2018 | 13:20 | 3.1 | WSW | 31/10/2018 | 20:15 | 0.9 | W |
| 31/10/2018 | 06:30 | 1.8 | W | 31/10/2018 | 13:25 | 2.2 | NNW | 31/10/2018 | 20:20 | 2.7 | W |
| 31/10/2018 | 06:35 | 0.9 | NNE | 31/10/2018 | 13:30 | 1.3 | N | 31/10/2018 | 20:25 | 0.9 | N |
| 31/10/2018 | 06:40 | 2.7 | WSW | 31/10/2018 | 13:35 | 2.7 | W | 31/10/2018 | 20:30 | 1.3 | W |
| 31/10/2018 | 06:45 | 0.4 | E | 31/10/2018 | 13:40 | 2.7 | W | 31/10/2018 | 20:35 | 3.1 | W |
| 31/10/2018 | 06:50 | 0.9 | W | 31/10/2018 | 13:45 | 2.2 | WNW | 31/10/2018 | 20:40 | 0.9 | E |
| 31/10/2018 | 06:55 | 0.9 | SW | 31/10/2018 | 13:50 | 2.2 | NNW | 31/10/2018 | 20:45 | 0.4 | NE |
| 31/10/2018 | 07:00 | 1.8 | W | 31/10/2018 | 13:55 | 1.8 | WNW | 31/10/2018 | 20:50 | 1.8 | W |
| 31/10/2018 | 07:05 | 2.7 | W | 31/10/2018 | 14:00 | 0.9 | WNW | 31/10/2018 | 20:55 | 1.8 | NE |
| 31/10/2018 | 07:10 | 2.2 | NE | 31/10/2018 | 14:05 | 0.9 | ENE | 31/10/2018 | 21:00 | 1.8 | NNE |
| 31/10/2018 | 07:15 | 2.7 | NNE | 31/10/2018 | 14:10 | 1.8 | W | 31/10/2018 | 21:05 | 2.7 | NW |
| 31/10/2018 | 07:20 | 2.2 | E | 31/10/2018 | 14:15 | 3.1 | W | 31/10/2018 | 21:10 | 1.8 | W |
| 31/10/2018 | 07:25 | 1.3 | NE | 31/10/2018 | 14:20 | 2.2 | WNW | 31/10/2018 | 21:15 | 3.1 | W |
| 31/10/2018 | 07:30 | 1.3 | N | 31/10/2018 | 14:25 | 2.2 | E | 31/10/2018 | 21:20 | 2.7 | NW |
| 31/10/2018 | 07:35 | 2.2 | WNW | 31/10/2018 | 14:30 | 2.2 | NE | 31/10/2018 | 21:25 | 1.3 | WNW |
| 31/10/2018 | 07:40 | 2.7 | W | 31/10/2018 | 14:35 | 2.7 | W | 31/10/2018 | 21:30 | 1.8 | WSW |
| 31/10/2018 | 07:45 | 2.2 | NNW | 31/10/2018 | 14:40 | 3.1 | W | 31/10/2018 | 21:35 | 2.7 | W |
| 31/10/2018 | 07:50 | 2.7 | W | 31/10/2018 | 14:45 | 1.8 | W | 31/10/2018 | 21:40 | 1.8 | WSW |
| 31/10/2018 | 07:55 | 1.3 | ENE | 31/10/2018 | 14:50 | 1.8 | N | 31/10/2018 | 21:45 | 2.7 | W |
| 31/10/2018 | 08:00 | 2.2 | WSW | 31/10/2018 | 14:55 | 2.2 | WSW | 31/10/2018 | 21:50 | 0.9 | S |
| 31/10/2018 | 08:05 | 2.7 | E | 31/10/2018 | 15:00 | 2.7 | W | 31/10/2018 | 21:55 | 2.7 | W |
| 31/10/2018 | 08:10 | 1.3 | NE | 31/10/2018 | 15:05 | 2.2 | ENE | 31/10/2018 | 22:00 | 1.3 | NE |
| 31/10/2018 | 08:15 | 1.3 | NW | 31/10/2018 | 15:10 | 3.1 | W | 31/10/2018 | 22:05 | 2.2 | WNW |
| 31/10/2018 | 08:20 | 1.8 | ENE | 31/10/2018 | 15:15 | 3.1 | NW | 31/10/2018 | 22:10 | 2.7 | W |
| 31/10/2018 | 08:25 | 1.8 | N | 31/10/2018 | 15:20 | 1.3 | WNW | 31/10/2018 | 22:15 | 1.8 | WNW |
| 31/10/2018 | 08:30 | 1.3 | N | 31/10/2018 | 15:25 | 2.2 | NE | 31/10/2018 | 22:20 | 1.8 | W |
| 31/10/2018 | 08:35 | 1.8 | NNE | 31/10/2018 | 15:30 | 2.7 | N | 31/10/2018 | 22:25 | 1.8 | W |
| 31/10/2018 | 08:40 | 0.4 | ENE | 31/10/2018 | 15:35 | 1.8 | NNE | 31/10/2018 | 22:30 | 1.3 | NW |
| 31/10/2018 | 08:45 | 2.7 | W | 31/10/2018 | 15:40 | 0.9 | NW | 31/10/2018 | 22:35 | 1.3 | W |
| 31/10/2018 | 08:50 | 1.8 | NW | 31/10/2018 | 15:45 | 2.7 | W | 31/10/2018 | 22:40 | 2.2 | W |
| 31/10/2018 | 08:55 | 0.9 | N | 31/10/2018 | 15:50 | 2.2 | WSW | 31/10/2018 | 22:45 | 2.7 | W |
| 31/10/2018 | 09:00 | 1.8 | WNW | 31/10/2018 | 15:55 | 2.2 | E | 31/10/2018 | 22:50 | 2.2 | WNW |
| 31/10/2018 | 09:05 | 3.1 | NW | 31/10/2018 | 16:00 | 2.7 | W | 31/10/2018 | 22:55 | 3.1 | W |
| 31/10/2018 | 09:10 | 0.9 | W | 31/10/2018 | 16:05 | 1.8 | NW | 31/10/2018 | 23:00 | 1.8 | W |
| 31/10/2018 | 09:15 | 1.8 | NNW | 31/10/2018 | 16:10 | 0.9 | N | 31/10/2018 | 23:05 | 2.7 | W |
| 31/10/2018 | 09:20 | 0.4 | NW | 31/10/2018 | 16:15 | 1.8 | NW | 31/10/2018 | 23:10 | 1.8 | NNE |
| 31/10/2018 | 09:25 | 2.7 | NW | 31/10/2018 | 16:20 | 1.8 | NE | 31/10/2018 | 23:15 | 1.8 | W |
| 31/10/2018 | 09:30 | 1.8 | WSW | 31/10/2018 | 16:25 | 1.8 | SW | 31/10/2018 | 23:20 | 2.2 | W |
| 31/10/2018 | 09:35 | 0.4 | NNW | 31/10/2018 | 16:30 | 2.7 | WSW | 31/10/2018 | 23:25 | 0.4 | W |
| 31/10/2018 | 09:40 | 2.2 | NNE | 31/10/2018 | 16:35 | 2.2 | WSW | 31/10/2018 | 23:30 | 1.3 | WNW |
| 31/10/2018 | 09:45 | 2.2 | NE | 31/10/2018 | 16:40 | 1.8 | NNW | 31/10/2018 | 23:35 | 1.3 | NW |
| 31/10/2018 | 09:50 | 3.1 | NW | 31/10/2018 | 16:45 | 2.7 | NW | 31/10/2018 | 23:40 | 0.4 | WNW |
| 31/10/2018 | 09:55 | 1.8 | W | 31/10/2018 | 16:50 | 1.8 | N | 31/10/2018 | 23:45 | 3.6 | W |
| 31/10/2018 | 10:00 | 1.3 | NE | 31/10/2018 | 16:55 | 2.2 | W | 31/10/2018 | 23:50 | 1.8 | NE |
| 31/10/2018 | 10:05 | 2.7 | NE | 31/10/2018 | 17:00 | 0.9 | ESE | 31/10/2018 | 23:55 | 1.8 | W |
| 31/10/2018 | 10:10 | 3.6 | W | 31/10/2018 | 17:05 | 2.7 | NW | 1/11/2018 | 00:00 | 2.2 | ENE |
| 31/10/2018 | 10:15 | 0.4 | NNE | 31/10/2018 | 17:10 | 1.3 | WNW | | | | |
| 31/10/2018 | 10:20 | 1.8 | NNE | 31/10/2018 | 17:15 | 1.8 | WNW | | | | |
| 31/10/2018 | 10:25 | 1.3 | NNW | 31/10/2018 | 17:20 | 0.9 | NW | | | | |
| 31/10/2018 | 10:30 | 3.1 | W | 31/10/2018 | 17:25 | 1.8 | ENE | | | | |
| 31/10/2018 | 10:35 | 1.8 | NE | 31/10/2018 | 17:30 | 3.1 | W | | | | |
| 31/10/2018 | 10:40 | 3.1 | WSW | 31/10/2018 | 17:35 | 2.7 | W | | | | |
| 31/10/2018 | 10:45 | 2.7 | W | 31/10/2018 | 17:40 | 2.7 | WSW | | | | |
| 31/10/2018 | 10:50 | 3.1 | NW | 31/10/2018 | 17:45 | 1.3 | E | | | | |
| 31/10/2018 | 10:55 | 2.7 | NE | 31/10/2018 | 17:50 | 2.7 | W | | | | |
| 31/10/2018 | 11:00 | 1.8 | NW | 31/10/2018 | 17:55 | 2.2 | W | | | | |
| 31/10/2018 | 11:05 | 1.8 | NNE | 31/10/2018 | 18:00 | 2.7 | NNE | | | | |
| 31/10/2018 | 11:10 | 2.7 | W | 31/10/2018 | 18:05 | 1.8 | SW | | | | |
| 31/10/2018 | 11:15 | 0.9 | W | 31/10/2018 | 18:10 | 1.3 | N | | | | |
| 31/10/2018 | 11:20 | 2.7 | W | 31/10/2018 | 18:15 | 1.3 | E | | | | |
| 31/10/2018 | 11:25 | 1.8 | NE | 31/10/2018 | 18:20 | 2.2 | N | | | | |
| 31/10/2018 | 11:30 | 2.2 | NE | 31/10/2018 | 18:25 | 2.2 | W | | | | |
| 31/10/2018 | 11:35 | 1.8 | NE | 31/10/2018 | 18:30 | 2.2 | NNE | | | | |
| 31/10/2018 | 11:40 | 1.8 | NW | 31/10/2018 | 18:35 | 3.1 | W | | | | |
| 31/10/2018 | 11:45 | 2.2 | NNW | 31/10/2018 | 18:40 | 2.2 | W | | | | |
| 31/10/2018 | 11:50 | 2.7 | W | 31/10/2018 | 18:45 | 0.9 | E | | | | |
| 31/10/2018 | 11:55 | 2.7 | W | 31/10/2018 | 18:50 | 1.8 | NW | | | | |
| 31/10/2018 | 12:00 | 2.2 | WNW | 31/10/2018 | 18:55 | 2.2 | WSW | | | | |
| 31/10/2018 | 12:05 | 1.8 | WNW | 31/10/2018 | 19:00 | 3.1 | NW | | | | |
| 31/10/2018 | 12:10 | 3.1 | W | 31/10/2018 | 19:05 | 0.4 | SSE | | | | |
| 31/10/2018 | 12:15 | 1.3 | N | 31/10/2018 | 19:10 | 1.8 | NW | | | | |
| 31/10/2018 | 12:20 | 2.7 | W | 31/10/2018 | 19:15 | 1.8 | E | | | | |
| 31/10/2018 | 12:25 | 1.8 | WNW | 31/10/2018 | 19:20 | 3.1 | W | | | | |
| 31/10/2018 | 12:30 | 2.2 | W | 31/10/2018 | 19:25 | 0.9 | SW | | | | |
| 31/10/2018 | 12:35 | 3.6 | W | 31/10/2018 | 19:30 | 2.2 | WNW | | | | |
| 31/10/2018 | 12:40 | 1.3 | WNW | 31/10/2018 | 19:35 | 2.7 | E | | | | |
| 31/10/2018 | 12:45 | 2.2 | E | 31/10/2018 | 19:40 | 2.2 | W | | | | |
| 31/10/2018 | 12:50 | 2.2 | W | 31/10/2018 | 19:45 | 0.9 | W | | | | |
| 31/10/2018 | 12:55 | 2.7 | W | 31/10/2018 | 19:50 | 0.4 | WNW | | | | |
| 31/10/2018 | 13:00 | 2.2 | W | 31/10/2018 | 19:55 | 2.7 | W | | | | |
| 31/10/2018 | 13:05 | 1.8 | WSW | 31/10/2018 | 20:00 | 1.3 | ESE | | | | |
| 31/10/2018 | 13:10 | 2.7 | NW | 31/10/2018 | 20:05 | 1.8 | WSW | | | | |

# APPENDIX H

Dolphin Monitoring Results

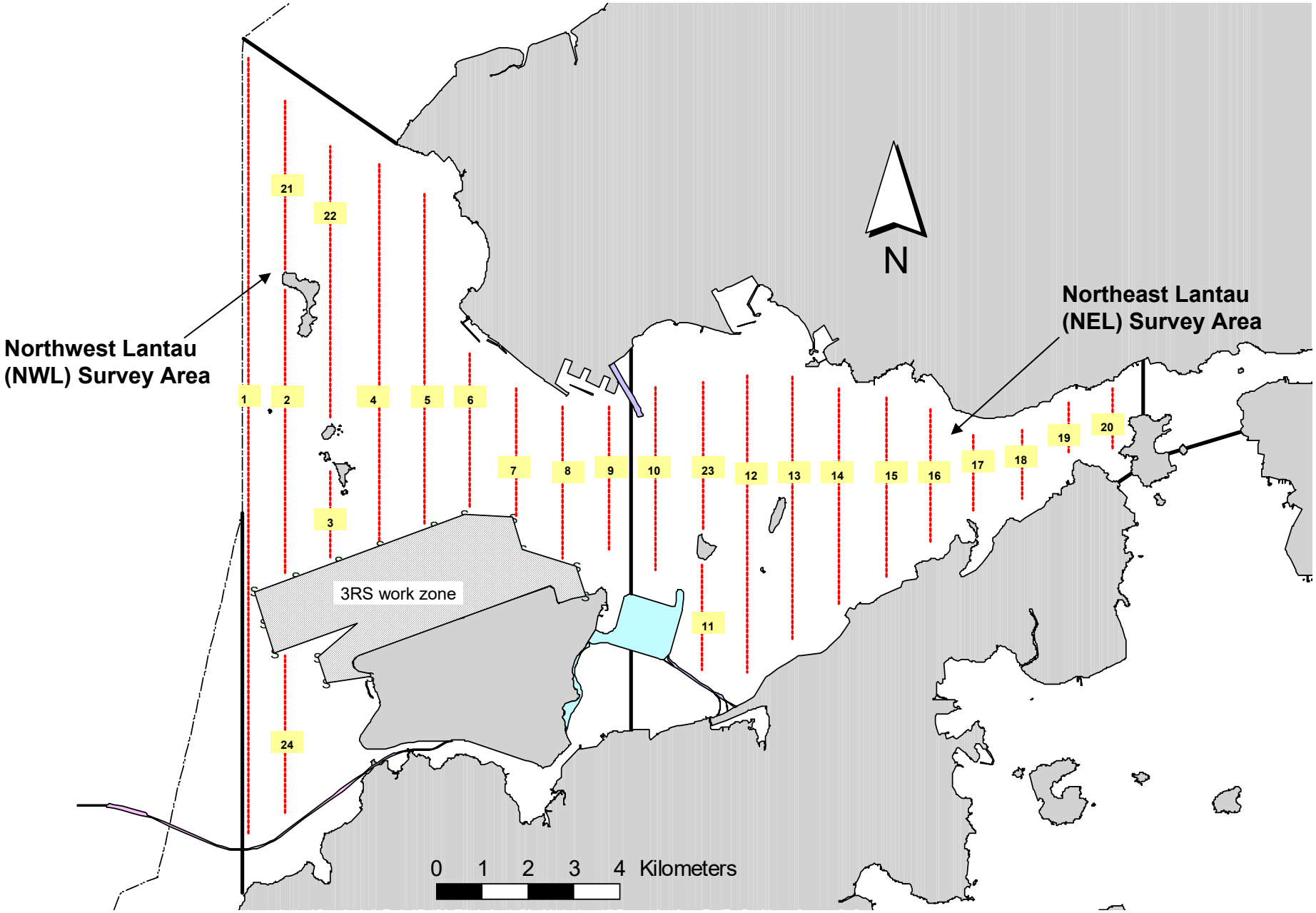



Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

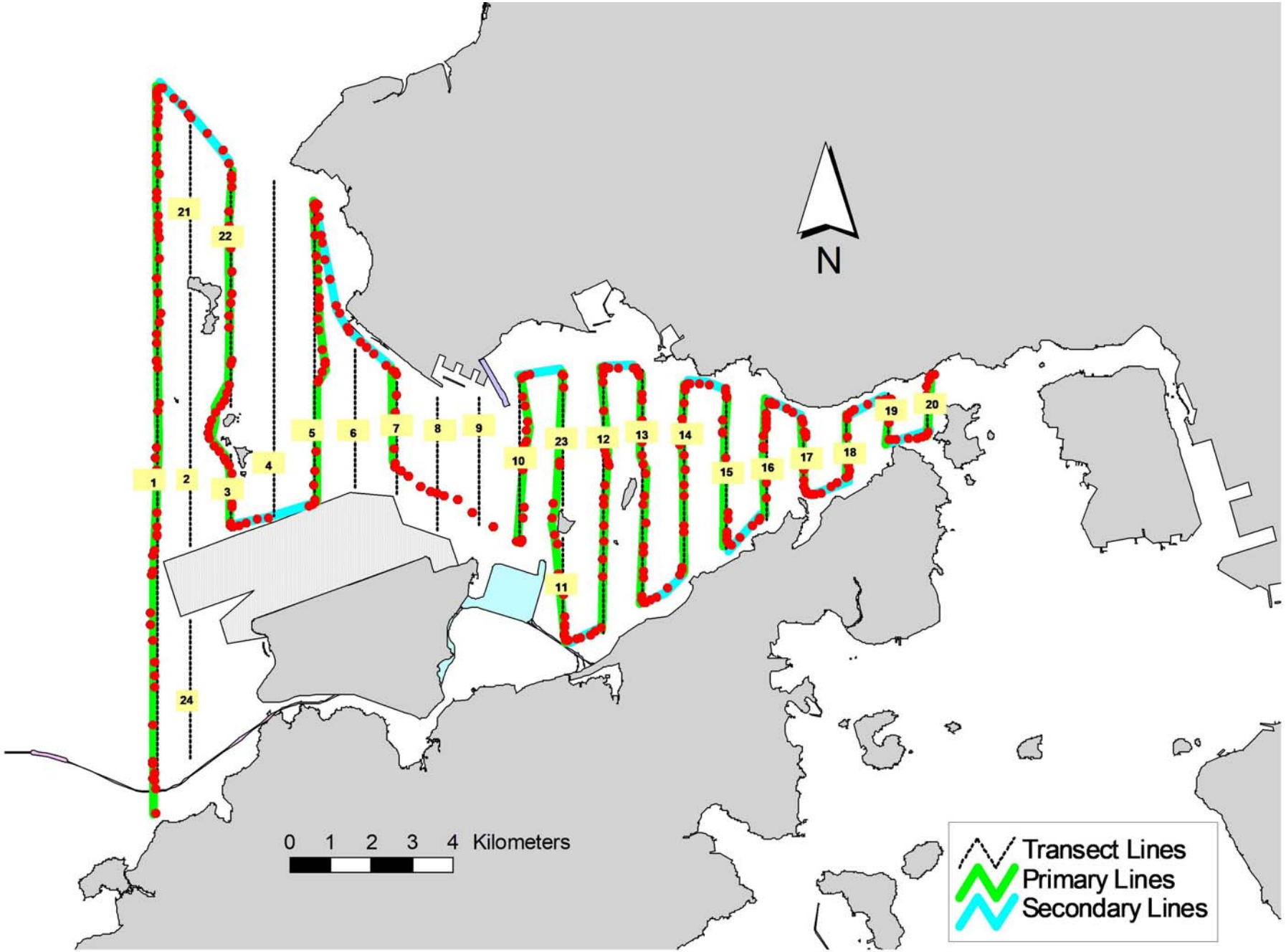



Figure 2. Survey Route on October 4th, 2018

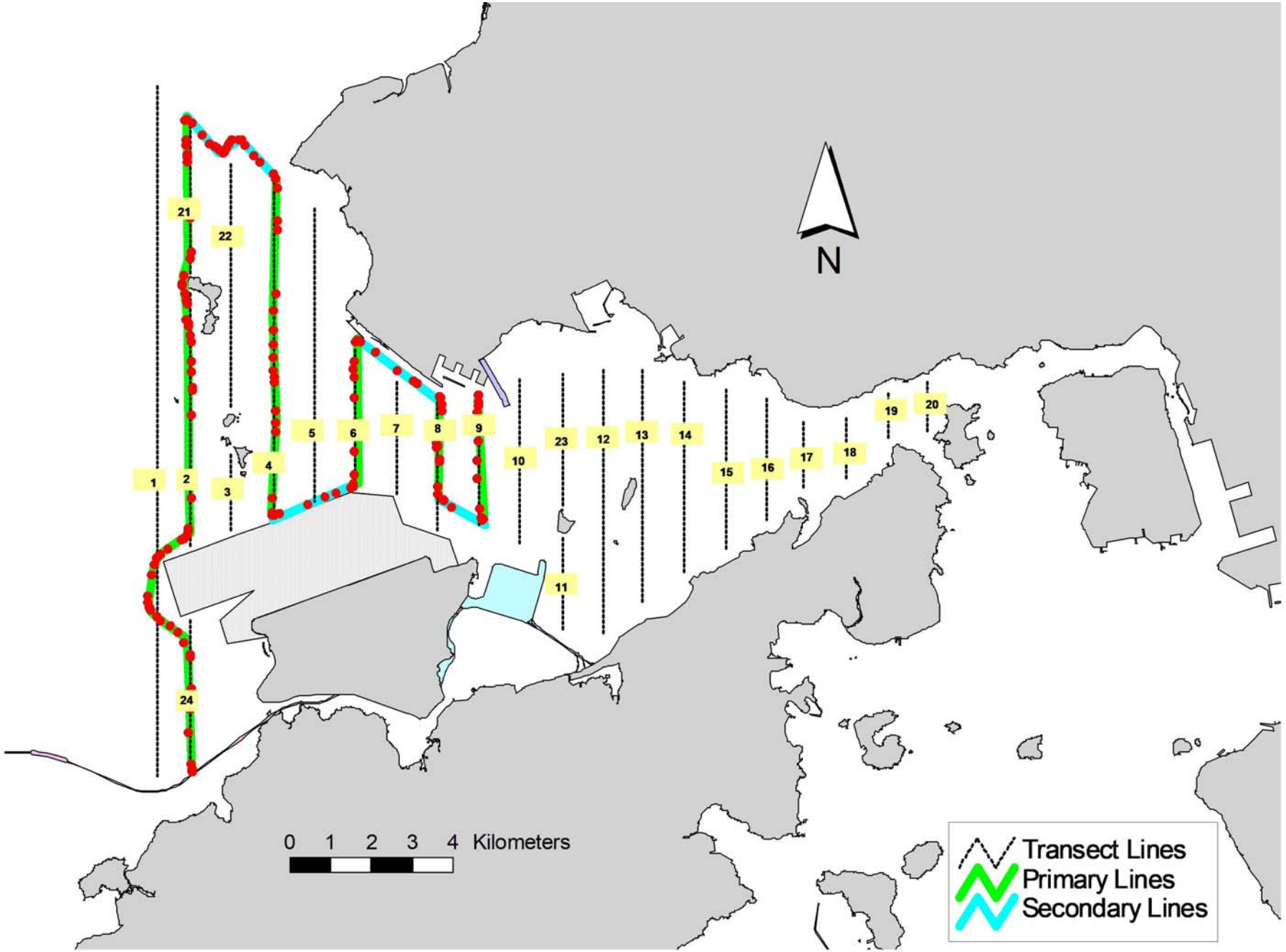



Figure 3. Survey Route on October 11th, 2018

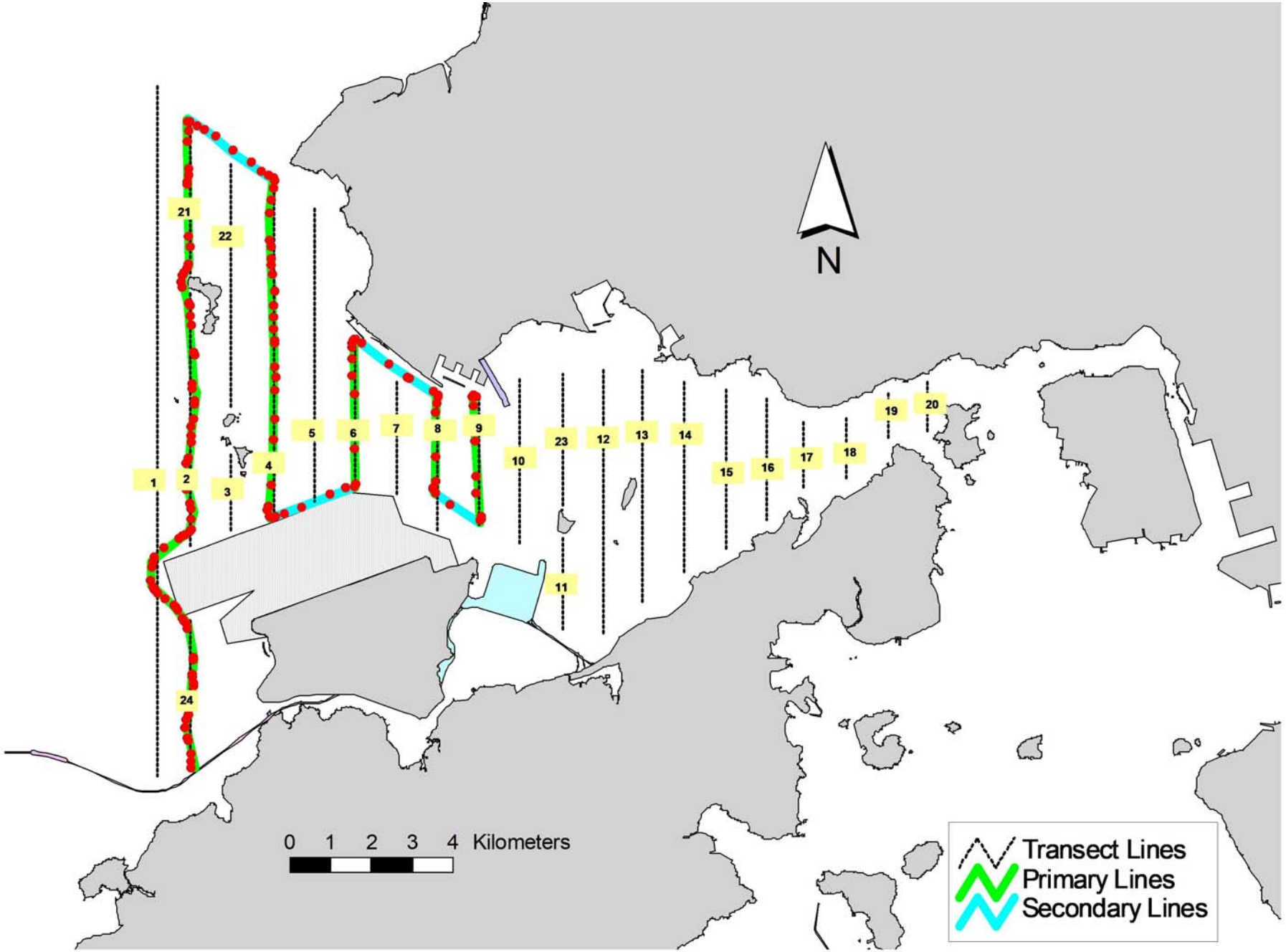



Figure 4. Survey Route on October 16th, 2018

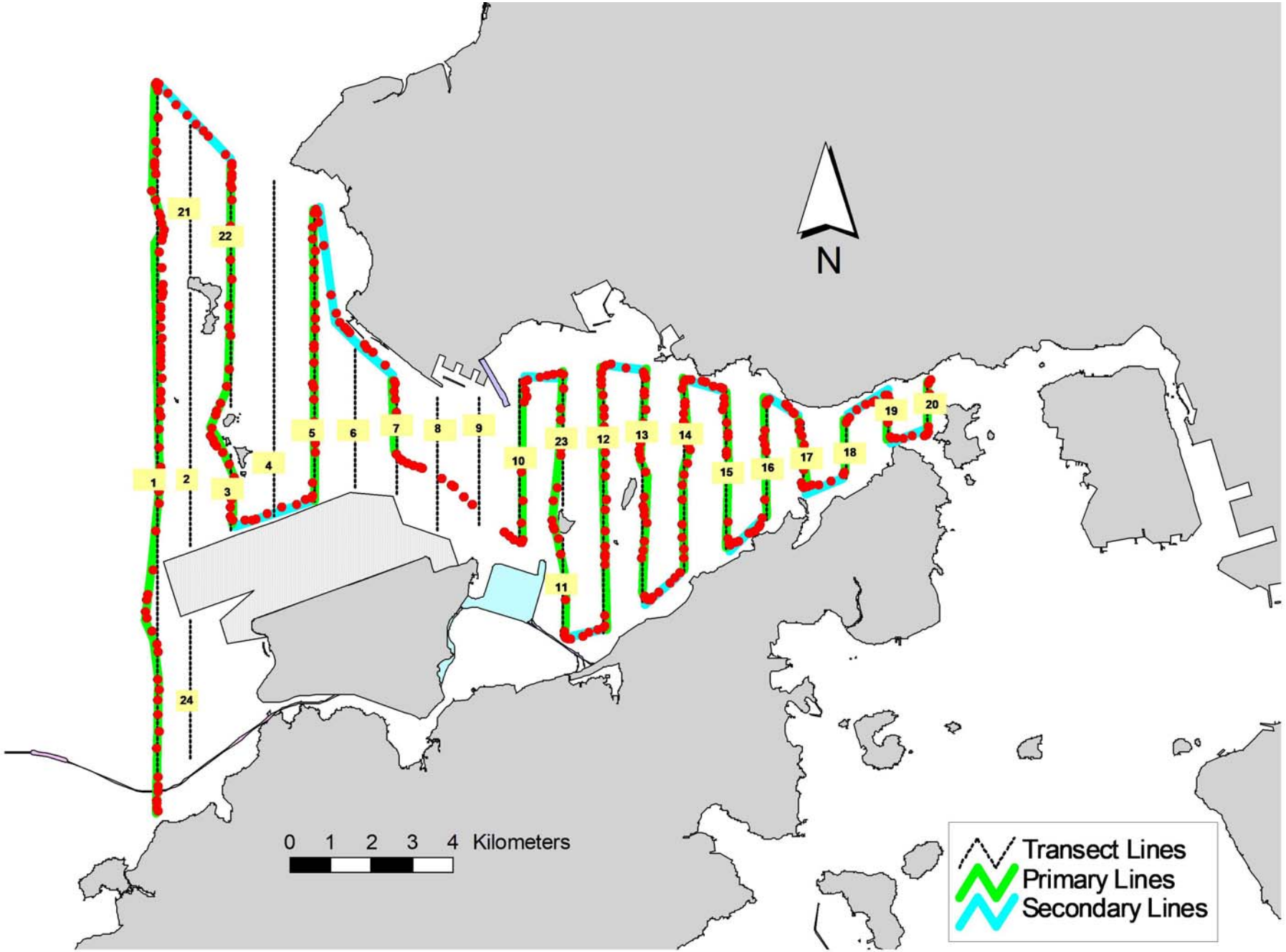



Figure 5. Survey Route on October 18th, 2018

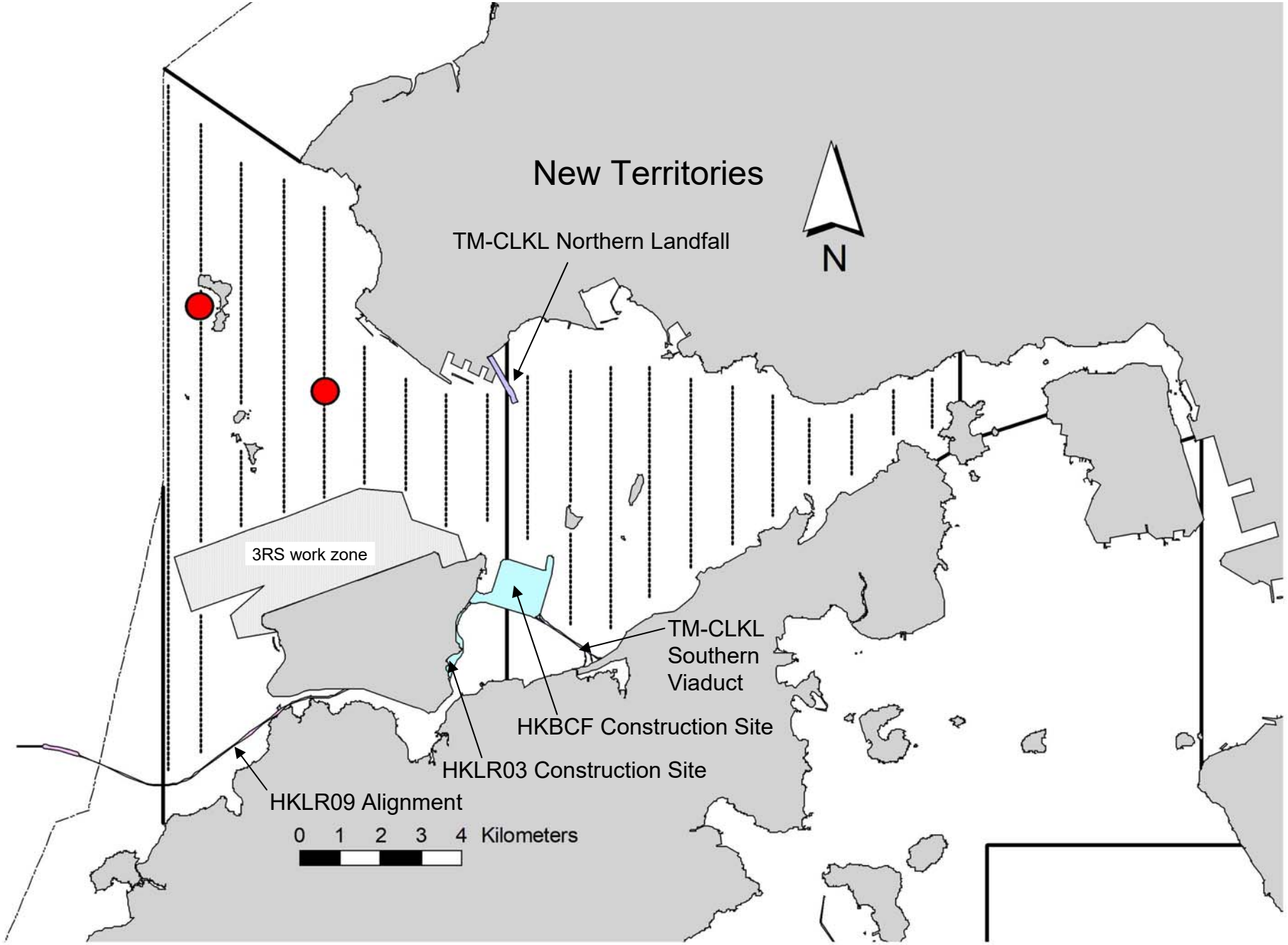



Figure 6. Distribution of Chinese White Dolphin Sightings during October 2018 HKLR03 Monitoring Surveys

## Annex I. HKLR03 Survey Effort Database (October 2018)

(Abbreviations: BEAU = Beaufort Sea State; P = Primary Line Effort; S = Secondary Line Effort)

| DATE | AREA | BEAU | EFFORT | SEASON | VESSEL | TYPE | P/S |
|---|---|---|---|---|---|---|---|
| 4-Oct-18 | NW LANTAU | 2 | 19.20 | AUTUMN | STANDARD36826 | HKLR | P |
| 4-Oct-18 | NW LANTAU | 3 | 12.68 | AUTUMN | STANDARD36826 | HKLR | P |
| 4-Oct-18 | NW LANTAU | 4 | 0.62 | AUTUMN | STANDARD36826 | HKLR | P |
| 4-Oct-18 | NW LANTAU | 2 | 6.10 | AUTUMN | STANDARD36826 | HKLR | S |
| 4-Oct-18 | NW LANTAU | 3 | 5.60 | AUTUMN | STANDARD36826 | HKLR | S |
| 4-Oct-18 | NE LANTAU | 2 | 19.33 | AUTUMN | STANDARD36826 | HKLR | P |
| 4-Oct-18 | NE LANTAU | 3 | 15.44 | AUTUMN | STANDARD36826 | HKLR | P |
| 4-Oct-18 | NE LANTAU | 2 | 8.06 | AUTUMN | STANDARD36826 | HKLR | S |
| 4-Oct-18 | NE LANTAU | 3 | 5.07 | AUTUMN | STANDARD36826 | HKLR | S |
| 11-Oct-18 | NW LANTAU | 2 | 15.31 | AUTUMN | STANDARD36826 | HKLR | P |
| 11-Oct-18 | NW LANTAU | 3 | 12.41 | AUTUMN | STANDARD36826 | HKLR | P |
| 11-Oct-18 | NW LANTAU | 2 | 4.07 | AUTUMN | STANDARD36826 | HKLR | S |
| 11-Oct-18 | NW LANTAU | 3 | 9.41 | AUTUMN | STANDARD36826 | HKLR | S |
| 16-Oct-18 | NW LANTAU | 2 | 23.58 | AUTUMN | STANDARD36826 | HKLR | P |
| 16-Oct-18 | NW LANTAU | 3 | 5.15 | AUTUMN | STANDARD36826 | HKLR | P |
| 16-Oct-18 | NW LANTAU | 2 | 10.36 | AUTUMN | STANDARD36826 | HKLR | S |
| 16-Oct-18 | NW LANTAU | 3 | 2.11 | AUTUMN | STANDARD36826 | HKLR | S |
| 18-Oct-18 | NW LANTAU | 2 | 32.45 | AUTUMN | STANDARD36826 | HKLR | P |
| 18-Oct-18 | NW LANTAU | 2 | 11.05 | AUTUMN | STANDARD36826 | HKLR | S |
| 18-Oct-18 | NE LANTAU | 2 | 34.26 | AUTUMN | STANDARD36826 | HKLR | P |
| 18-Oct-18 | NE LANTAU | 3 | 2.27 | AUTUMN | STANDARD36826 | HKLR | P |
| 18-Oct-18 | NE LANTAU | 2 | 11.07 | AUTUMN | STANDARD36826 | HKLR | S |

## Annex II. HKLR03 Chinese White Dolphin Sighting Database (October 2018)

(Abberviations: STG# = Sighting Number; HRD SZ = Dolphin Herd Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance; BOAT ASSOC. = Fishing Boat Association; P/S: Sighting Made on Primary/Secondary Lines)

| DATE | STG # | TIME | HRD SZ | AREA | BEAU | PSD | EFFORT | TYPE | NORTHING | EASTING | SEASON | BOAT ASSOC. | P/S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-Oct-18 | 1 | 1222 | 4 | NW LANTAU | 3 | 362 | ON | HKLR | 826265 | 805415 | AUTUMN | NONE | S |
| 18-Oct-18 | 1 | 1232 | 2 | NW LANTAU | 2 | 145 | ON | HKLR | 824310 | 808501 | AUTUMN | NONE | P |

## Annex III. Individual dolphins identified during HKLR03 monitoring surveys in October 2018

| ID# | DATE | STG# | AREA |
|---|---|---|---|
| NL136 | 11/10/18 | 1 | NW LANTAU |
| | 18/10/18 | 1 | NW LANTAU |
| NL182 | 11/10/18 | 1 | NW LANTAU |
| NL261 | 11/10/18 | 1 | NW LANTAU |
| NL272 | 11/10/18 | 1 | NW LANTAU |
| NL328 | 18/10/18 | 1 | NW LANTAU |







Annex IV. Photographs of Identified Individual Dolphins in October 2018 (HKLR03)

# APPENDIX I

Mudflat Monitoring Results

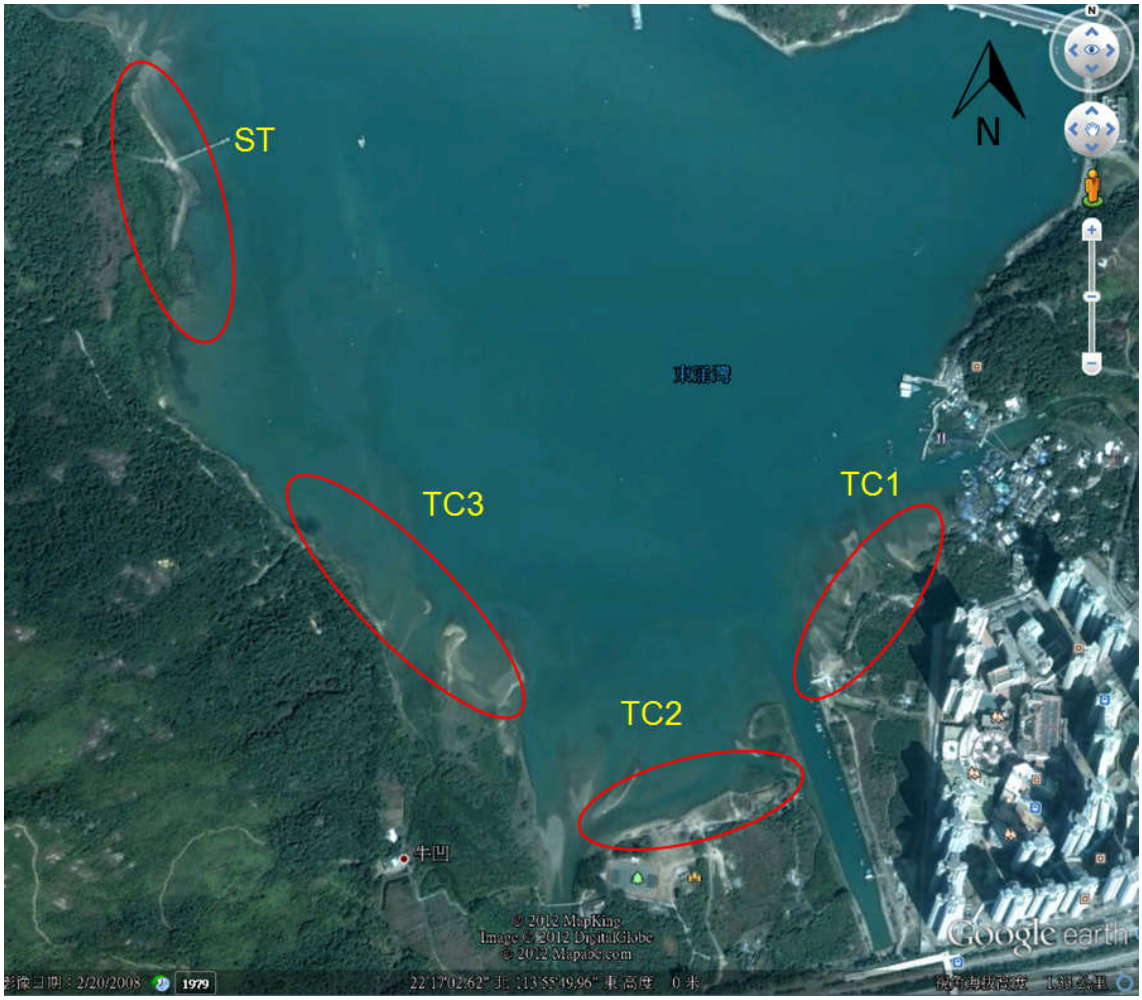



**Figure 2.1.** *Locations of sampling zones. The study site was divided into three sampling zones (TC1, TC2, TC3) in Tung Chung Bay and one zone in San Tau (ST) (map generated from Google Map).*

**TC1**

**TC2**

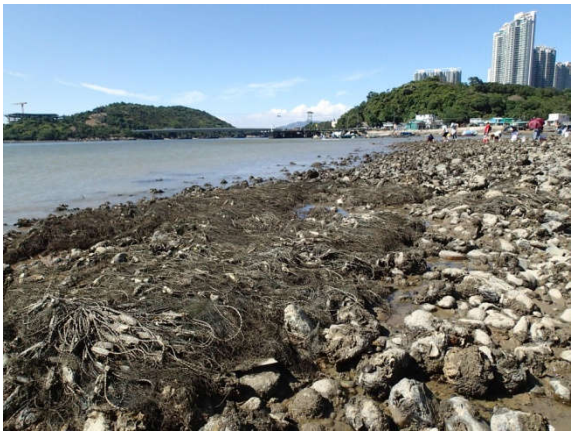
**TC3**

**ST**

**Figure 2.2.** *Photographic record of the environment in every sampling zone.*

**TC1**

broken bike and plastic waste



trash gill net

**TC3**

boat wreckage

**ST**

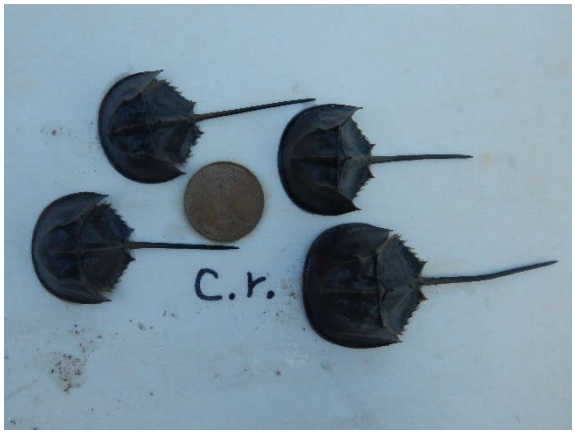
trash gill net and hand trolley


a tangled horseshoe crab on a trash net

(record in Jun. 2017)

**Figure 2.3.** *Examples of photographic record of the big trashes found on the mudflat.*

**TC1** *Carcinoscorpius rotundicauda*





**TC1** *Tachypleus tridentatus*



**TC2** *Carcinoscorpius rotundicauda*


**Figure 3.1.** *Examples of photographic records of horseshoe crab (Sep. 2018)*

**TC3** *Carcinoscorpius rotundicauda*


**TC3** *Tachypleus tridentatus*



**Figure 3.1 (Cont'd).** *Examples of photographic records of horseshoe crab (Sep. 2018)*

**ST** *Carcinoscorpius rotundicauda*



**ST** *Tachypleus tridentatus*



**Figure 3.1 (Cont'd).** *Examples of photographic records of horseshoe crab (Sep. 2018)*

**Table 3.1**. *Summary of horseshoe crab survey in every sampling zone*

| | TC1 | TC2 | TC3 | ST |
|---|---|---|---|---|
| Search duration (hr) | 2 | 2 | 3 | 3 |
| ***Carcinoscorpius rotundicauda*** | | | | |
| no. of individuals | 17 | 1 | 33 | 64 |
| mean prosomal width (mm) | 44.03 | 47.44 | 32.15 | 34.83 |
| max. prosomal width (mm) | 65.67 | \ | 62.94 | 62.79 |
| min. prosomal width (mm) | 34.37 | \ | 9.96 | 24.87 |
| Search record (ind. $hr^{-1}$ $person^{-1}$) | 4.3 | 0.3 | 5.5 | 10.7 |
| ***Tachypleus tridentatus*** | | | | |
| no. of individuals | 6 | 0 | 8 | 23 |
| mean prosomal width (mm) | 38.70 | \ | 57.00 | 50.16 |
| max. prosomal width (mm) | 52.69 | \ | 69.99 | 70.97 |
| min. prosomal width (mm) | 25.78 | \ | 34.73 | 38.90 |
| Search record (ind. $hr^{-1}$ $person^{-1}$) | 1.5 | 0.0 | 1.3 | 3.8 |

**Mar. 2015 - ST**

**Jun. 2017 – TC2**

**Female** **Male**

**Jun. 2017 - TC3**

**Figure 3.2.** *Photographic records of mating pair of Carcinoscorpius rotundicauda*

**Dec. 2017 - TC3**

**Jun. 2018 - TC3**

**Female** **Male**

**Figure 3.2 (Cont'd).** *Photographic records of mating pair of Carcinoscorpius rotundicauda*

***Carcinoscorpius rotundicauda***

**Jun. 2017**


**Sep. 2017**

**Dec. 2017**

***Tachypleus tridentatus***

**Sep. 2017**


**Figure 3.3.** *Photographic records of large individuals (>100 mm) of horseshoe crabs whose records were excluded from data analysis*

TC1


TC2


**Figure 3.4.** *Photographic records of newly hatched individuals of horseshoe crab (Sep. 2018)*

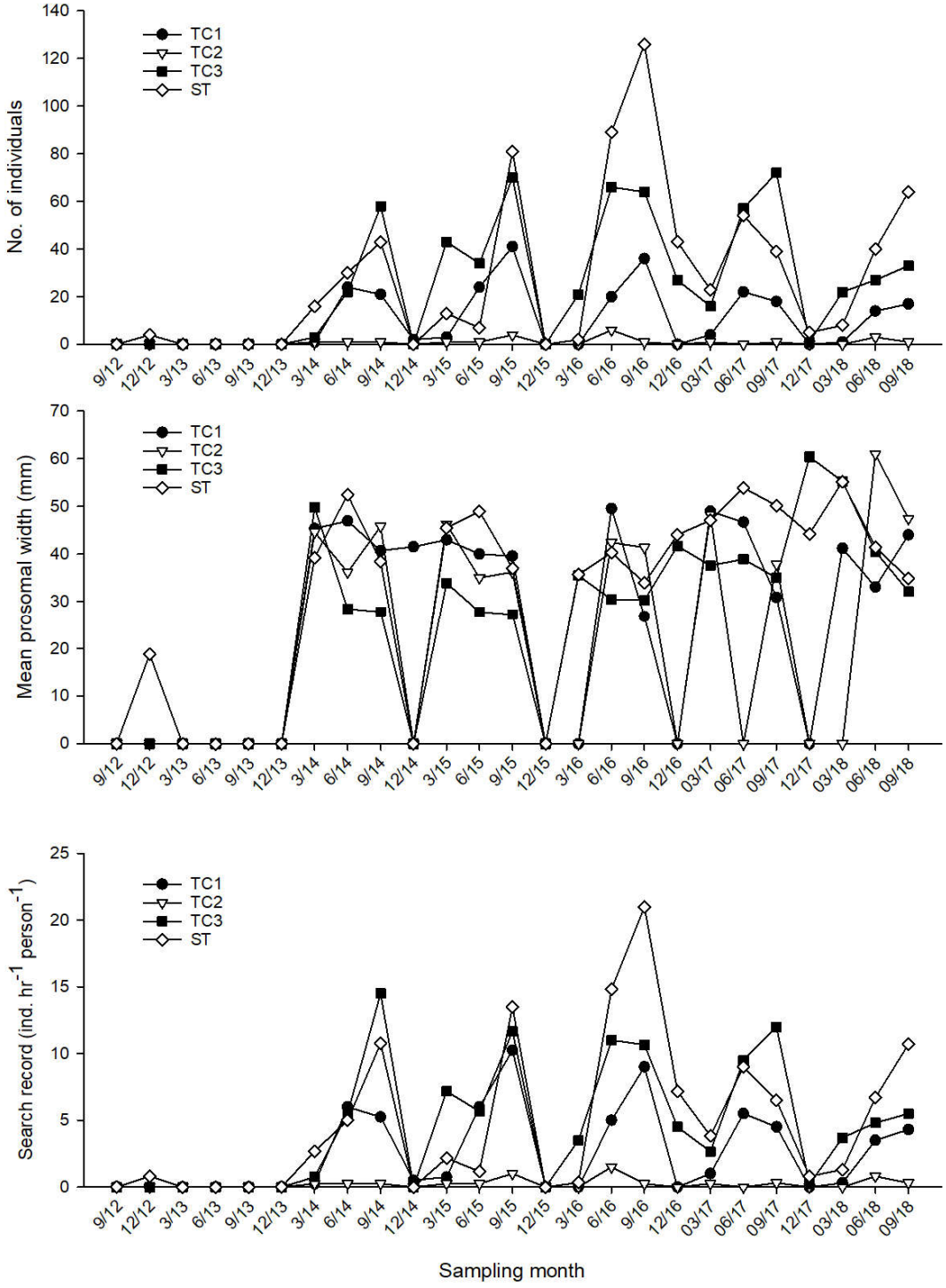



**Figure 3.5.** *Changes of number of individuals, mean prosomal width and search record of horseshoe crab Carcinoscorpius rotundicauda in every sampling zone along the sampling months*

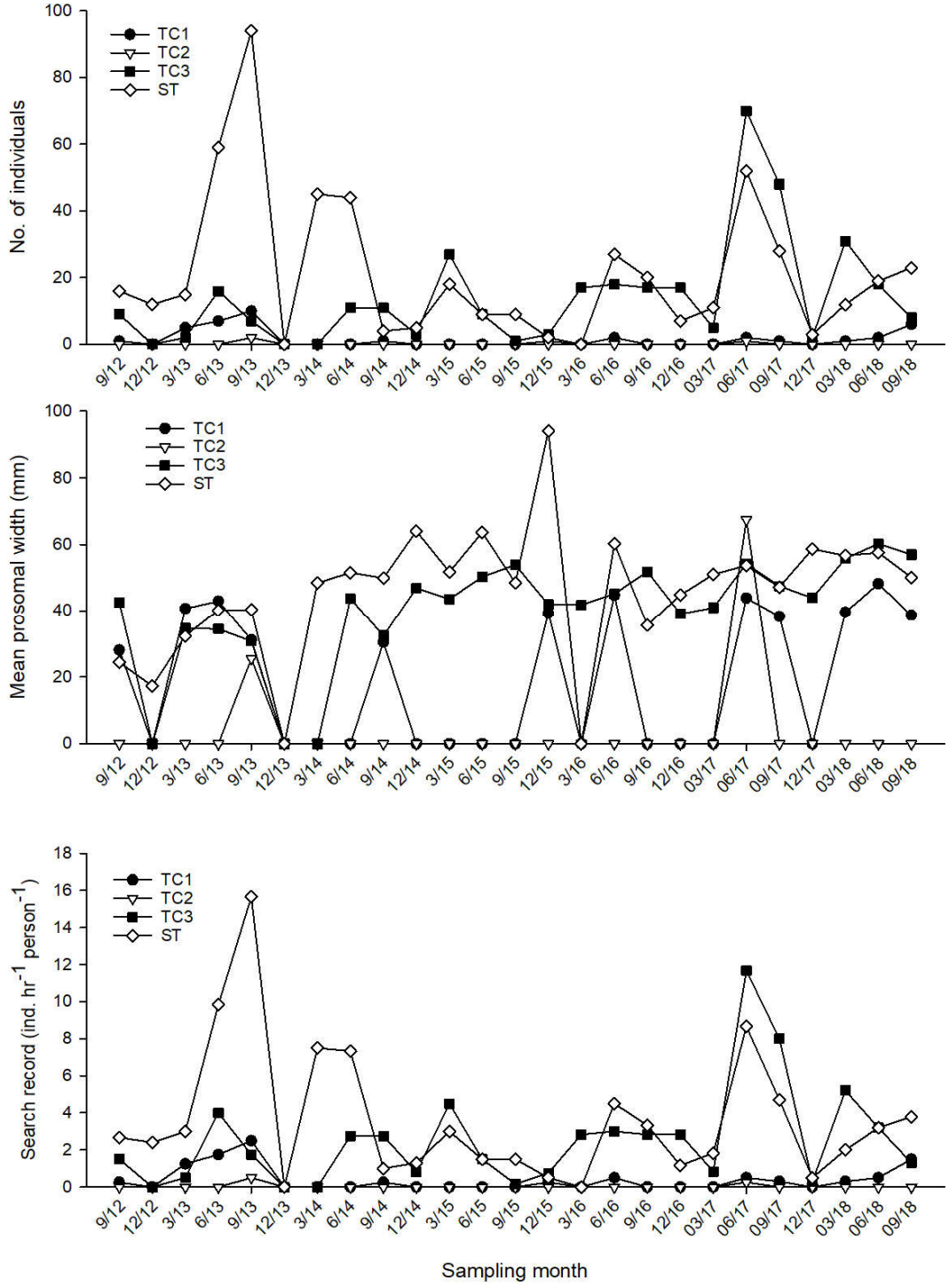



**Figure 3.6.** *Changes of number of individuals, mean prosomal width and search record of horseshoe crab Tachypleus tridentatus in every sampling zone along the sampling months*

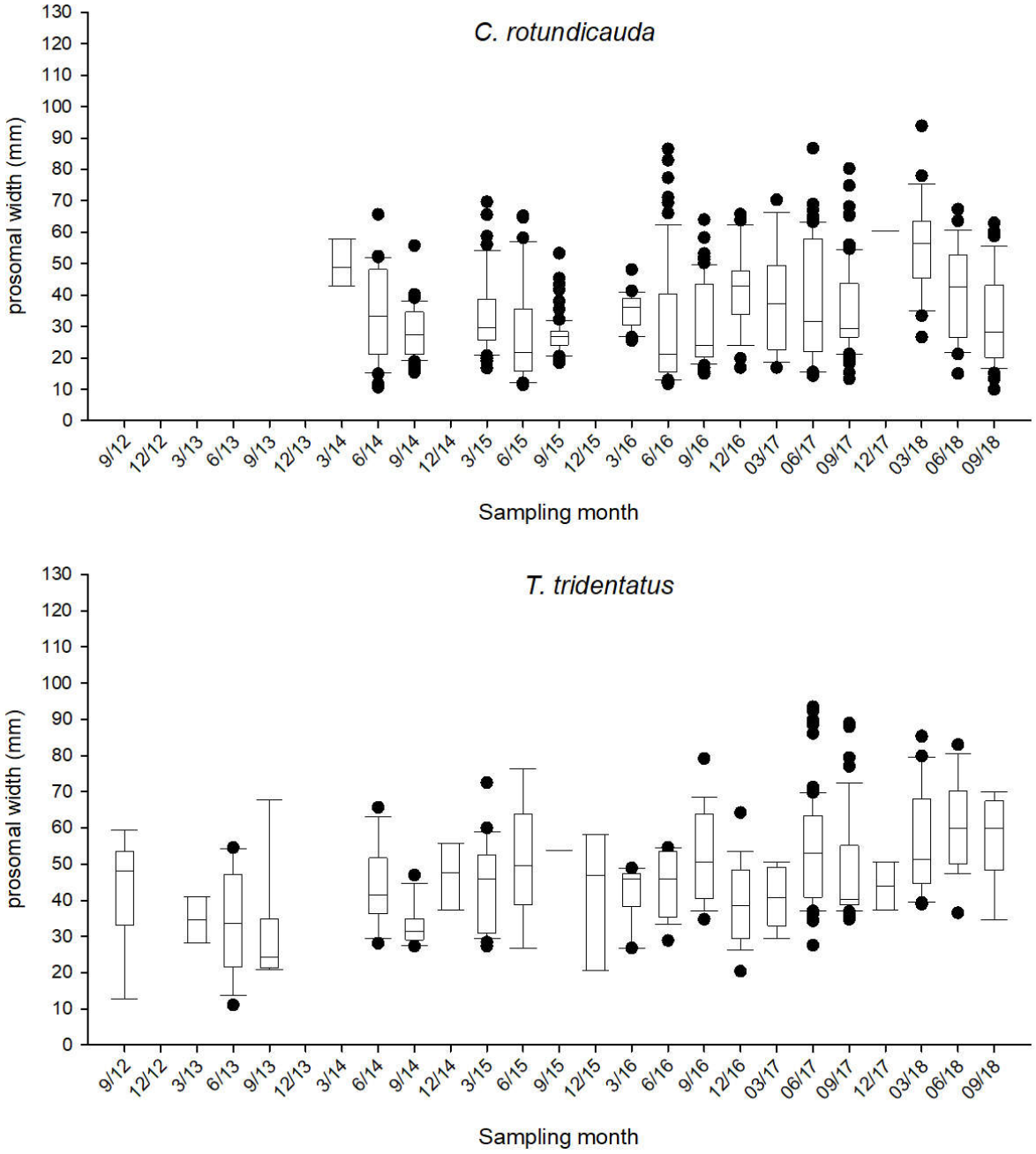



**Figure 3.7.** *Box plot of prosomal width of horseshoe crab in the sampling zone TC3 along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively)*

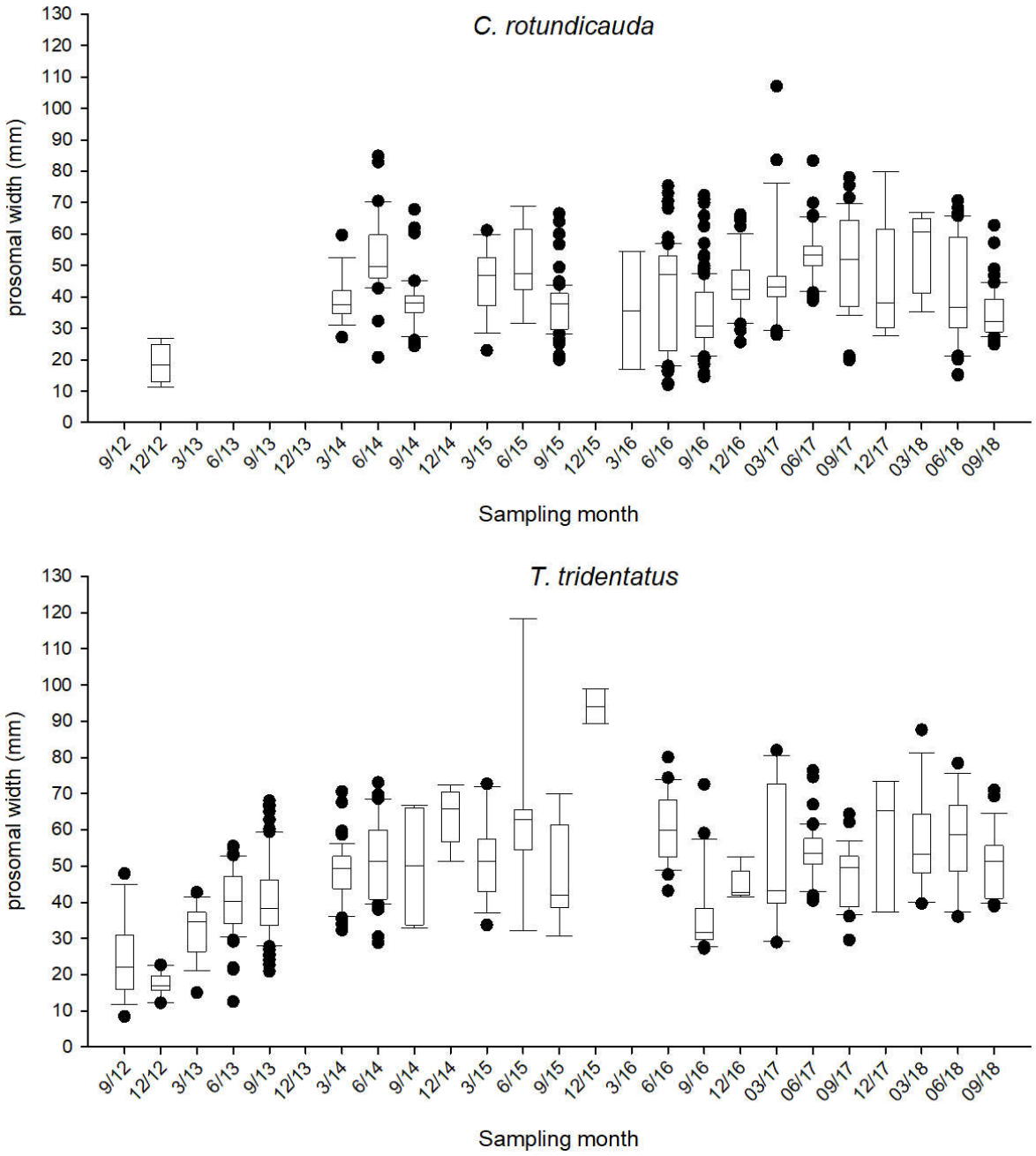



**Figure 3.8.** *Box plot of prosomal width of horseshoe crab in the sampling zone ST along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively.)*

**TC3 single patch of *Halophila ovalis***

**TC3 - ST extensive patch of *Halophila ovalis***

**ST medium, horizontal patch of *Zostera japonica***

**Figure 3.9.** *Examples of photographic records of seagrass beds (record in Jun. 2017)*

**Table 3.2**. *Summary of seagrass beds survey*

| Sampling zone | ST<br>*Halophila ovalis* |
|---|---|
| **Number of patches** | 2 |
| **Total area ($m^2$)** | 22.5 |
| **Average area ($m^2$)** | 11.3 |

**ST** small, horizontal patch of *Halophila ovalis*

**Figure 3.10.** *Photographic record of seagrass beds in present survey.*

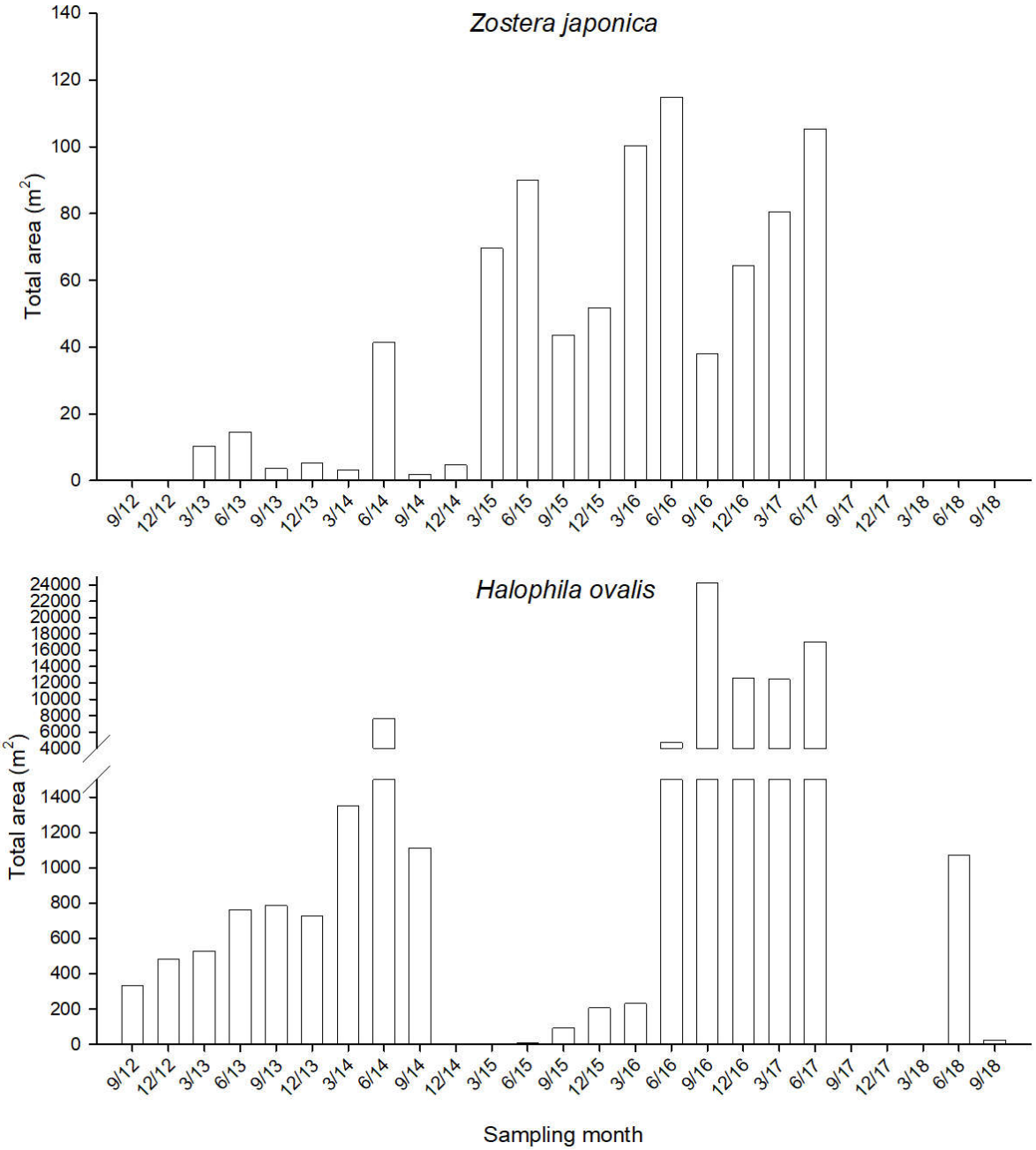



**Figure 3.11.** *Temporal changes of estimated total area of seagrass beds in ST*

**Jun. 2014**

**Dec. 2014 (no seagrass)**

**Sep. 2015**

**Jun. 2017**

**Sep. 2017-Mar. 2018 (no seagrass)**

**Sep. 2018**

**Figure 3.12.** *Comparison of pictures taken in different sampling months shows the successive disappearance and recolonization of seagrass beds*

脈**Table 3.3**. *Relative distribution (%) of types of substratum along the horizontal transect at every tidal level and in every sampling zone.*

**Percentage**

| Sampling zone | Tidal level | Gravels and Boulders | Sands | Soft mud |
|---|---|---|---|---|
| TC1 | H | 80 | 20 | |
| | M | 80 | 20 | |
| | L | 70 | 20 | 10 |
| TC2 | H | | 60 | 40 |
| | M | 10 | 70 | 20 |
| | L | | 20 | 80 |
| TC3 | H | | 100 | |
| | M | | 100 | |
| | L | 100 | | |
| ST | H | 100 | | |
| | M | 90 | 10 | |
| | L | 10 | 60 | 30 |

H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.

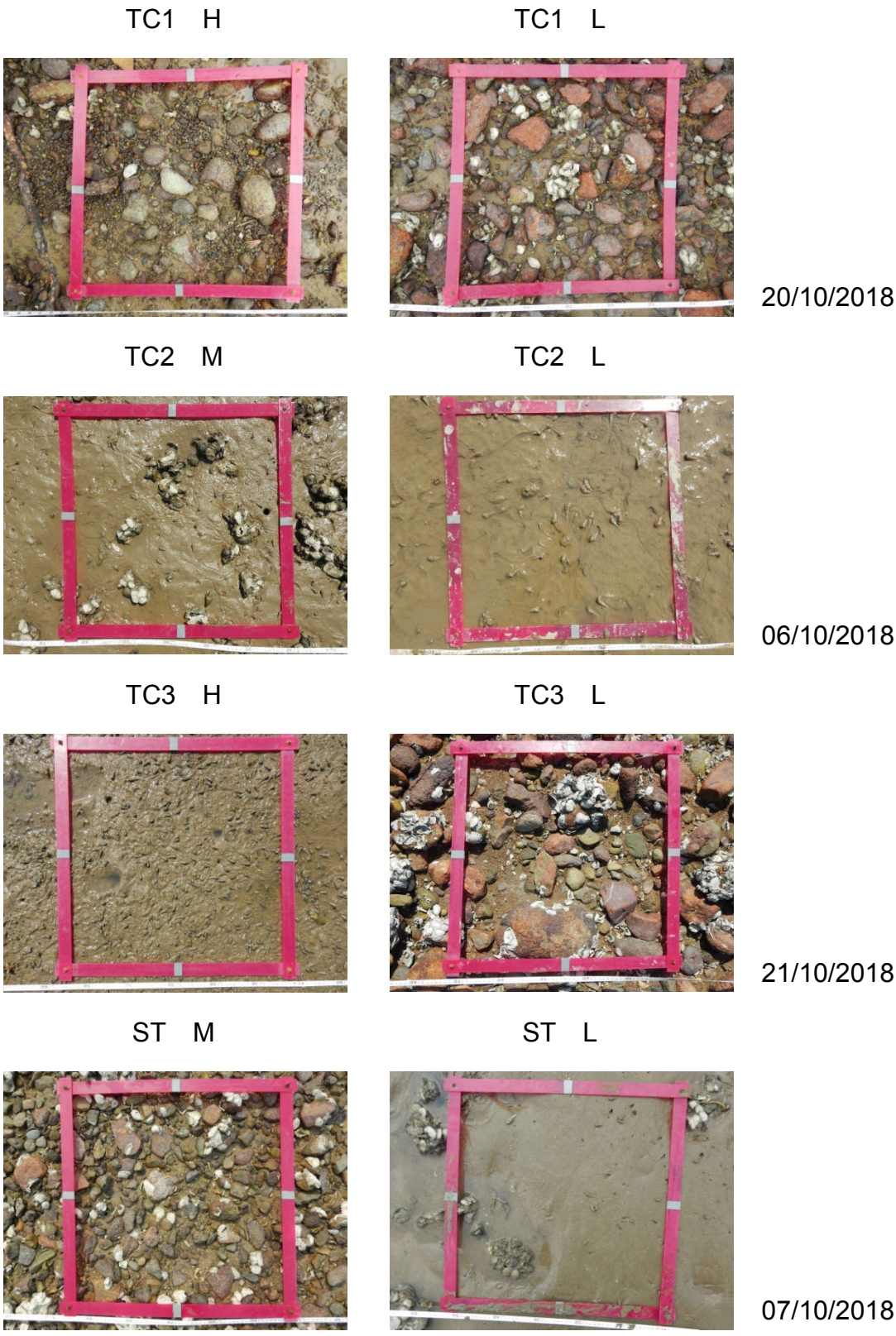



**Figure 3.13.** *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

**Table 3.4**. *Total abundance, density and number of taxon of every phylum*

| Phylum | Total Abundance | % | Density (ind. $m^{-2}$) | Number of taxon |
|---|---|---|---|---|
| *Oct. 2018* | | | | |
| Mollusca | 17166 | 98.4 | 572 | 31 |
| Arthropoda | 201 | 1.2 | 7 | 9 |
| Annelida | 60 | 0.3 | 2 | 8 |
| Sipuncula | 8 | 0.0 | 0 | 1 |
| Nemertea | 7 | 0.0 | 0 | 1 |
| Cnidaria | 6 | 0.0 | 0 | 1 |
| Platyhelminthes | 3 | 0.0 | 0 | 1 |
| Chordata | 2 | 0.0 | 0 | 2 |
| **Total** | 17453 | | | |

0.0 %: Total abundance of the phylum is less than 0.1% of relative abundance.

0 ind. $m^{-2}$: Density of the phylum is less than 1 ind. $m^{-2}$.

**Table 3.5**. *The number of individuals, relative abundance (percentage) and density of each phylum in every sampling zone*

| Phylum | TC1 | % | Density (ind. $m^{-2}$) | TC2 | % | Density (ind. $m^{-2}$) | TC3 | % | Density (ind. $m^{-2}$) | ST | % | Density (ind. $m^{-2}$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annelida | 4 | 0.1 | 1 | 33 | 1.4 | 4 | 21 | 0.3 | 3 | 2 | 0.1 | 0 |
| Arthropoda | 26 | 0.5 | 3 | 76 | 3.2 | 10 | 68 | 1.1 | 9 | 31 | 0.8 | 4 |
| Chordata | | | | 1 | 0.0 | 0 | | | | 1 | 0.0 | 0 |
| Cnidaria | | | | | | | 1 | 0.0 | 0 | 5 | 0.1 | 1 |
| Mollusca | 5213 | 99.4 | 695 | 2243 | 95.2 | 299 | 5909 | 98.4 | 788 | 3801 | 98.9 | 507 |
| Nemertea | 2 | 0.0 | 0 | 3 | 0.1 | 0 | 1 | 0.0 | 0 | 1 | 0.0 | 0 |
| Platyhelminthes | | | | | | | 3 | 0.0 | 0 | | | |
| Sipuncula | 2 | 0.0 | 0 | 1 | 0.0 | 0 | 2 | 0.0 | 0 | 3 | 0.1 | 0 |
| **Sub-total** | **5247** | | | **2357** | | | **6005** | | | **3844** | | |

0.0 %: Total abundance of the phylum is less than 0.1% of relative abundance of the sampling zone.

0 ind. $m^{-2}$: Density of the phylum is less than 1 ind. $m^{-2}$ of the sampling zone.

**Table 3.6**. *The abundant species (relative abundance >10%) in every sampling zone*

| Sampling zone TC1 | Group | Species | Mean density (ind. $m^{-2}$) | Relative abundance (%) | Cumulative relative abundance (%) |
|---|---|---|---|---|---|
| High | G | *Batillaria multiformis* | 651 | 72 | 72 |
| Mid | G | *Batillaria multiformis* | 361 | 57 | 57 |
| | G | *Monodonta labio* | 117 | 18 | 75 |
| Low | G | *Batillaria multiformis* | 164 | 29 | 29 |
| | G | *Monodonta labio* | 136 | 24 | 54 |
| | Bi | *Saccostrea cucullata* | 104 | 19 | 73 |
| | G | *Pirenella incisa* | 56 | 10 | 83 |

Bi = Bivalve, G = Gastropod

**Table 3.6 (Cont'd)**. *The abundant species (relative abundance >10%) in every sampling zone*

| Sampling zone TC2 | Group | Species | Mean density (ind. $m^{-2}$) | Relative abundance (%) | Cumulative relative abundance (%) |
|---|---|---|---|---|---|
| High | G | *Pirenella asiatica* | 149 | 30 | 30 |
| | G | *Pirenella incisa* | 118 | 24 | 55 |
| | G | *Batillaria zonalis* | 80 | 16 | 71 |
| | Bi | *Saccostrea cucullata* | 56 | 12 | 83 |
| Mid | G | *Batillaria zonalis* | 117 | 35 | 35 |
| | Bi | *Saccostrea cucullata* | 63 | 19 | 53 |
| | G | *Pirenella asiatica* | 49 | 15 | 68 |
| | G | *Pirenella incisa* | 48 | 14 | 82 |
| Low | G | *Batillaria zonalis* | 65 | 56 | 56 |

Bi = Bivalve, G = Gastropod

**Table 3.6 (Cont'd)**. *The abundant species (relative abundance >10%) in every sampling zone*

| Sampling zone TC3 | Group | Species | Mean density (ind. $m^{-2}$) | Relative abundance (%) | Cumulative relative abundance (%) |
|---|---|---|---|---|---|
| High | G | *Pirenella incisa* | 383 | 41 | 41 |
| | G | *Batillaria multiformis* | 368 | 40 | 81 |
| | G | *Pirenella asiatica* | 134 | 14 | 95 |
| Mid | G | *Pirenella incisa* | 352 | 49 | 49 |
| | G | *Pirenella asiatica* | 194 | 27 | 76 |
| Low | G | *Monodonta labio* | 289 | 38 | 38 |
| | Bi | *Saccostrea cucullata* | 258 | 34 | 72 |
| | G | *Lunella coronata* | 87 | 11 | 83 |

Bi = Bivalve, G = Gastropod

**Table 3.6 (Cont'd)**. *The abundant species (relative abundance >10%) in every sampling zone*

| Sampling zone ST | Group | Species | Mean density (ind. $m^{-2}$) | Relative abundance (%) | Cumulative relative abundance (%) |
|---|---|---|---|---|---|
| High | G | *Monodonta labio* | 215 | 36 | 36 |
| | G | *Batillaria multiformis* | 131 | 22 | 58 |
| | G | *Clypeomorus bifasciata* | 60 | 10 | 68 |
| Mid | Bi | *Saccostrea cucullata* | 166 | 25 | 25 |
| | G | *Monodonta labio* | 163 | 25 | 50 |
| | G | *Lunella coronata* | 97 | 15 | 64 |
| | G | *Pirenella asiatica* | 76 | 12 | 76 |
| Low | G | *Pirenella incisa* | 70 | 25 | 25 |
| | G | *Lunella coronata* | 58 | 21 | 46 |
| | Bi | *Saccostrea cucullata* | 42 | 15 | 61 |

Bi = Bivalve, G = Gastropod

**Table 3.7**. *Mean values of species number, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) at every tidal level and in every sampling zone*

| Sampling zone | Tidal level | Mean species number (spp. 0.25 $m^{-2}$) | Mean species number across tidal levels | Mean density (ind. $m^{-2}$) | Mean density across tidal levels | Mean *H'* | Mean *H'* across tidal levels | Mean *J* | Mean *J* across tidal levels |
|---|---|---|---|---|---|---|---|---|---|
| TC1 | H | 7 | | 905 | | 0.9 | | 0.5 | |
| | M | 7 | 8 | 636 | 700 | 1.2 | 1.2 | 0.6 | 0.6 |
| | L | 10 | | 558 | | 1.6 | | 0.7 | |
| TC2 | H | 9 | | 489 | | 1.5 | | 0.7 | |
| | M | 8 | 7 | 337 | 314 | 1.4 | 1.2 | 0.8 | 0.7 |
| | L | 4 | | 116 | | 0.8 | | 0.7 | |
| TC3 | H | 6 | | 927 | | 1.0 | | 0.6 | |
| | M | 7 | 8 | 714 | 801 | 1.2 | 1.2 | 0.6 | 0.6 |
| | L | 10 | | 760 | | 1.4 | | 0.6 | |
| ST | H | 10 | | 599 | | 1.7 | | 0.7 | |
| | M | 12 | 10 | 662 | 513 | 1.8 | 1.6 | 0.7 | 0.7 |
| | L | 7 | | 277 | | 1.3 | | 0.7 | |

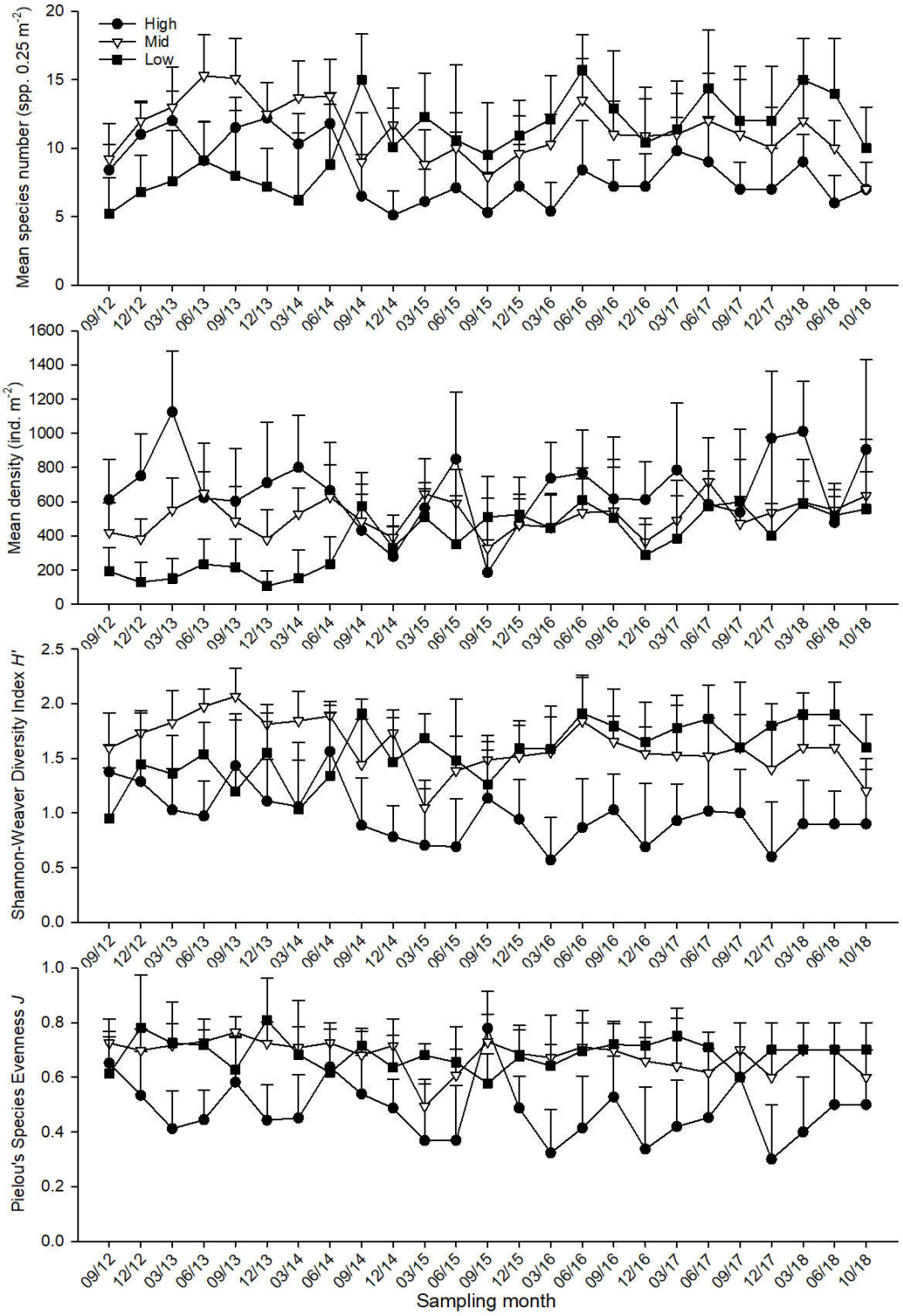



**Figure 3.14**. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC1*

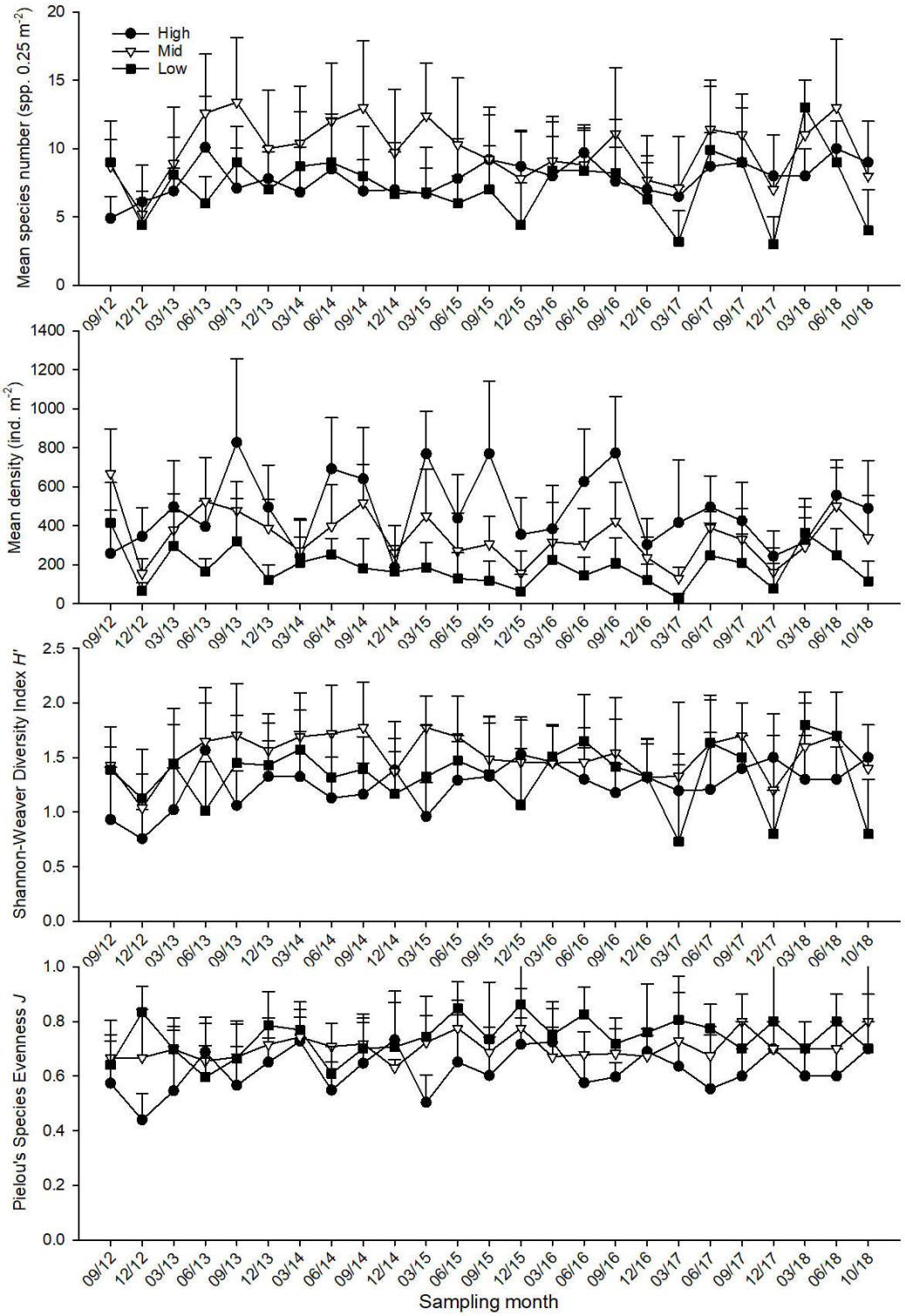



**Figure 3.15**. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC2*

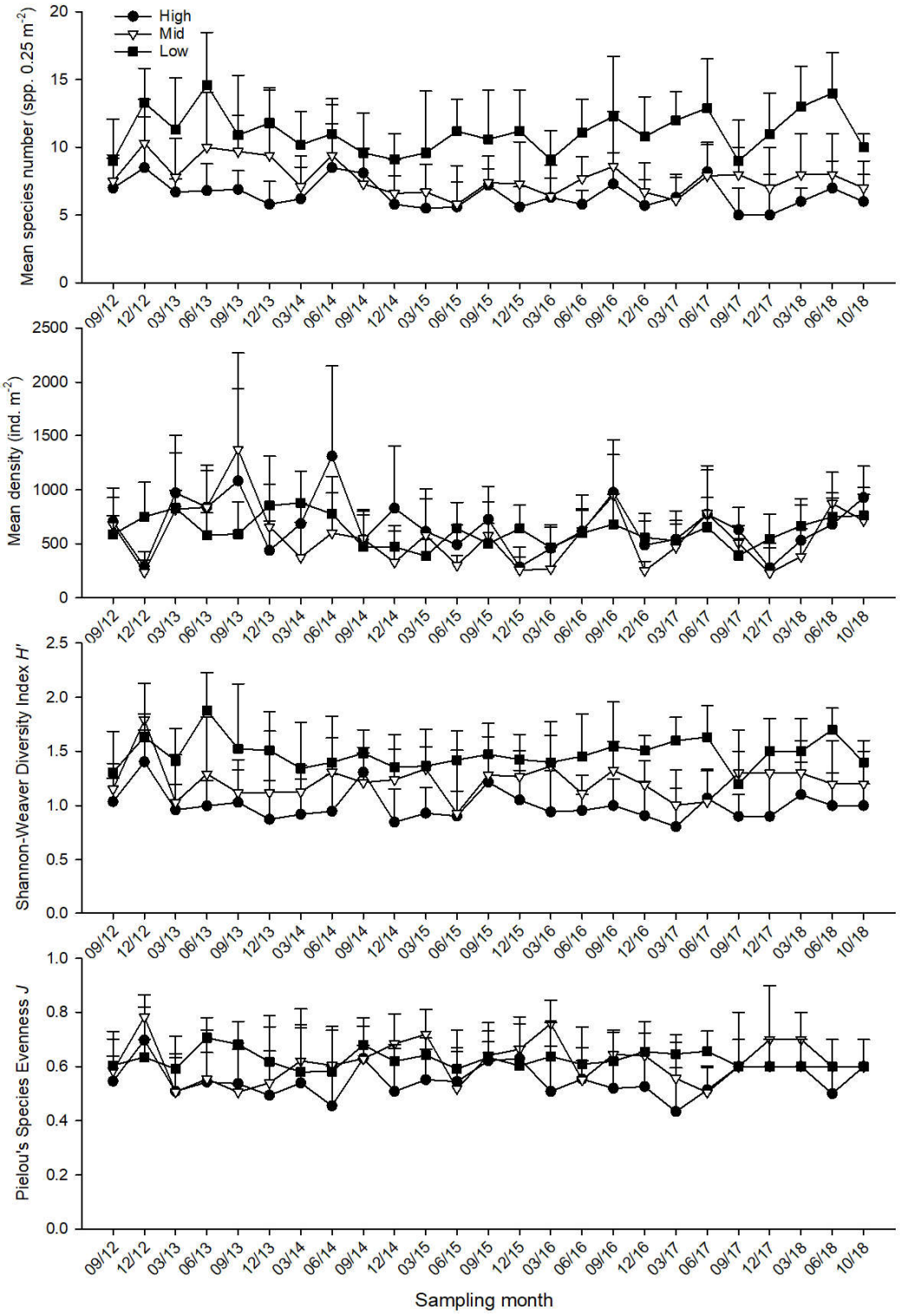



**Figure 3.16**. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC3*

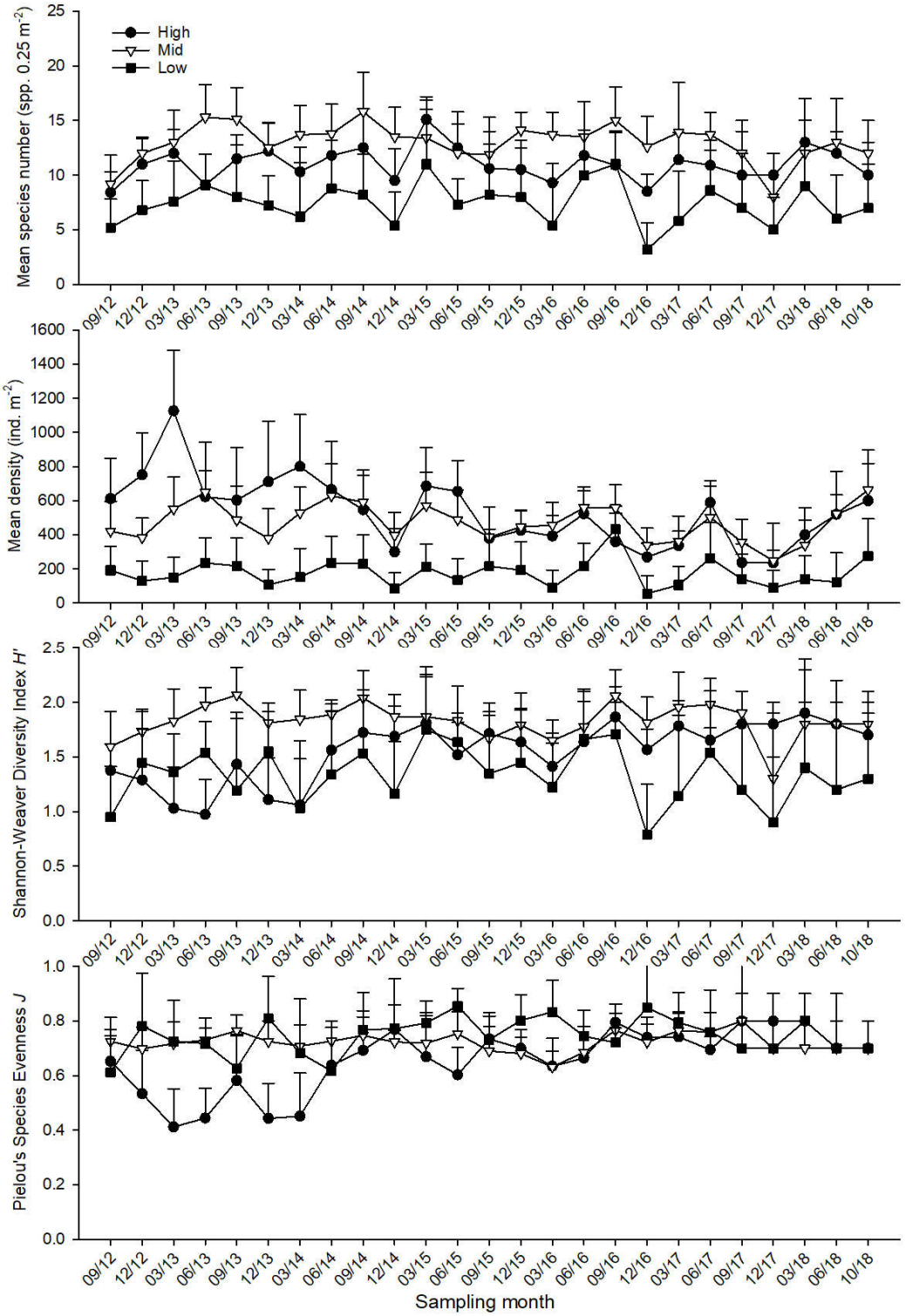



**Figure 3.17**. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) atevery tidal level in sampling zone ST*

**Annex I.** *Location of sampling zones (map from ATKINS China Ltd.)*

**Annex II**. *Record of horseshoe crab survey in every sampling zone.*

| No. | Sub. | GPS coordinate | | Record of prosomal width (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | *Carcinoscorpius rotundicauda* | | | | *Tachypleus tridentatus* | | |
| Sampling site TC1 (Search hour = 2 hrs) | | | | | | | | | | |
| 1 | S | 22° 16.997' N | 113° 55.985' E | 34.37 | 34.58 | 34.73 | 39.06 | | | |
| 2 | S | 22° 17.006' N | 113° 55.990' E | 34.60 | 38.30 | 39.38 | 41.52 | 25.78 | 31.80 | 47.63 |
| 3 | S | 22° 17.019' N | 113° 55.987' E | 59.17 | | | | 37.40 | | |
| 4 | S | 22° 17.042' N | 113° 56.034' E | 39.63 | 49.91 | | | | | |
| 5 | S | 22° 17.061' N | 113° 56.066' E | 36.50 | | | | | | |
| 6 | M | 22° 17.081' N | 113° 56.050' E | 46.30 | | | | | | |
| 7 | S | 22° 17.057' N | 113° 56.006' E | 34.90 | | | | | | |
| 8 | S | 22° 17.035' N | 113° 55.967' E | 59.41 | 60.49 | 65.67 | | 36.90 | 52.69 | |
| | | **No. of ind.** | | **17** | | | | **6** | | |

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Underlined: size of mating pair or large individual (excluded from data analysis)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

**Annex II (Cont'd)**. *Record of horseshoe crab survey in every sampling zone.*

| No. | Sub. | GPS coordinate | | Record of prosomal width (mm) | |
|---|---|---|---|---|---|
| Sampling site TC2 (Search hour = 2 hrs) | | | | *Carcinoscorpius rotundicauda* | *Tachypleus tridentatus* |
| 1 | M | 22° 16.894' N | 113° 55.898' E | 47.44 | |
| | | | **No. of ind.** | **1** | **0** |

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Underlined: size of mating pair or large individual (excluded from data analysis)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

**Annex II (Cont'd)**. *Record of horseshoe crab survey in every sampling zone.*

| No. | Sub. | GPS coordinate | | Record of prosomal width (mm) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling site TC3 (Search hour = 3 hrs) | | | | *Carcinoscorpius rotundicauda* | | | | | | | *Tachypleus tridentatus* | | | | | | |
| 1 | S | 22° 16.950' N | 113° 55.720' E | 37.40 | | | | | | | 34.73 | | | | | | |
| 2 | S | 22° 16.955' N | 113° 55.721' E | 15.18 | 24.43 | 25.45 | | | | | | | | | | | |
| 3 | S | 22° 16.974' N | 113° 55.662' E | 20.05 | 28.00 | | | | | | | | | | | | |
| 4 | S | 22° 16.995' N | 113° 55.644' E | 27.78 | | | | | | | | | | | | | |
| 5 | S | 22° 17.019' N | 113° 55.636' E | 28.63 | 46.43 | | | | | | | | | | | | |
| 6 | S | 22° 17.011' N | 113° 55.641' E | 29.48 | 30.15 | 38.83 | | | | | | | | | | | |
| 7 | S | 22° 17.029' N | 113° 55.639' E | 45.15 | 28.08 | | | | | | | | | | | | |
| 8 | M | 22° 17.052' N | 113° 55.616' E | 13.35 | 9.96 | 19.16 | 20.06 | | | | | | | | | | |
| 9 | S | 22° 17.065' N | 113° 55.594' E | 19.80 | 19.55 | 20.79 | 27.40 | 27.90 | | | | | | | | | |
| 10 | M | 22° 17.056' N | 113° 55.622' E | 19.17 | 32.87 | 41.53 | 44.78 | 46.94 | 50.70 | 58.77 | 47.10 | 51.71 | 55.64 | 64.08 | 64.15 | 68.59 | 69.99 |
| | | | | 60.22 | 62.94 | | | | | | | | | | | | |
| 11 | M | 22° 17.059' N | 113° 55.648' E | 40.07 | | | | | | | | | | | | | |
| | | | **No. of ind.** | **33** | | | | | | | **8** | | | | | | |

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Underlined: size of mating pair or large individual (excluded from data analysis)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

**Annex II (Cont'd)**. *Record of horseshoe crab survey in every sampling zone.*

| No. | Sub. | GPS coordinate | | Record of prosomal width (mm) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling site ST (Search hour = 3 hrs) | | | | *Carcinoscorpius rotundicauda* | | | | | | | *Tachypleus tridentatus* | | | | | | |
| 1 | S | 22° 17.148' N | 113° 55.500' E | 24.87 | 27.39 | 27.51 | 27.72 | | | | | | | | | | |
| 2 | S | 22° 17.158' N | 113° 55.495' E | 27.53 | 28.58 | 39.55 | 40.67 | | | | 40.32 | | | | | | |
| 3 | S | 22° 17.161' N | 113° 55.483' E | 29.27 | 35.92 | 41.28 | 41.90 | 46.87 | 48.92 | 57.22 | 39.59 | | | | | | |
| 4 | S | 22° 17.177' N | 113° 55.479' E | 27.93 | 30.11 | 37.76 | 29.09 | 27.36 | 26.98 | 28.25 | 43.49 | 53.15 | 55.76 | 41.13 | 47.90 | 55.61 | 42.27 |
| | | | | 30.06 | 30.68 | 35.66 | 29.41 | 29.55 | 32.68 | 36.74 | | | | | | | |
| | | | | 62.79 | 43.60 | 28.82 | 30.78 | | | | | | | | | | |
| 5 | S | 22° 17.184' N | 113° 55.491' E | 36.65 | 36.24 | 28.50 | 28.56 | 37.66 | 28.43 | 41.13 | 39.82 | 51.44 | 56.38 | | | | |
| | | | | 38.60 | 29.05 | 29.09 | 29.49 | 29.30 | 38.46 | 39.75 | | | | | | | |
| 6 | S | 22° 17.197' N | 113° 55.497' E | 34.40 | 48.83 | 29.74 | 29.98 | 36.01 | 42.98 | 38.58 | 41.04 | 55.19 | 57.54 | 70.97 | | | |
| 7 | S | 22° 17.206' N | 113° 55.502' E | 30.46 | 31.40 | 25.76 | | | | | 38.90 | 69.30 | | | | | |
| 8 | S | 22° 17.215' N | 113° 55.481' E | 25.60 | 37.25 | 38.51 | 42.32 | 44.59 | | | | | | | | | |
| 9 | S | 22° 17.383' N | 113° 55.464' E | 44.44 | | | | | | | 48.07 | 49.32 | 51.72 | 52.23 | 52.54 | | |
| 10 | S | 22° 17.364' N | 113° 55.486' E | 33.83 | | | | | | | | | | | | | |
| | | | **No. of ind.** | **64** | | | | | | | **23** | | | | | | |

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Underlined: size of mating pair or large individual (excluded from data analysis)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

**Annex III**. *Record of seagrass beds survey in every sampling zone*

| Estimated area ($m^2$) | Estimated coverage (%) | | GPS coordinate | | | Remark |
|---|---|---|---|---|---|---|
| **TC1 & TC2 (search hour = 2 hrs) & TC3 (search hour = 3 hrs)** | | | | | | |
| No record | | | | | | |
| **ST** | *Halophila ovalis* | **(search hour = 3 hrs)** | | | | |
| 12.0 | 80 | a single patch | 22º 17.218' N | 113º 55.476' E | | A small patch of seagrass bed at tidal zone 1.5-2.0 m above C.D. |
| 10.5 | 5 | horizontal line | 22º 17.214' N<br>22º 17.210' N | 113º 55.473' E<br>113º 55.475' E | -- | A small, horizontal strand of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0 m above C.D. |

**Annex IV.** *Taxonomic resolution of every recorded species of intertidal soft shore community survey*

| Kingdom | Phylum | Class | Order | Family | Species |
|---|---|---|---|---|---|
| Animalia | Annelida | Polychaeta | Eunicida | Onuphidae | Onuphidae spp. |
| Animalia | Annelida | Polychaeta | Phyllodocida | Polynoidae | Polynoidae spp. |
| Animalia | Annelida | Polychaeta | Sabellida | Oweniidae | Oweniidae spp. |
| Animalia | Annelida | Polychaeta | Terebellida | Ampharetidae | Ampharetidae spp. |
| Animalia | Annelida | Polychaeta | Terebellida | Pectinariidae | Pectinariidae spp. |
| Animalia | Annelida | Polychaeta | | Maldanidae | Maldanidae spp. |
| Animalia | Arthropoda | Malacostraca | Decapoda | Grapsidae | *Metopograpsus latifrons* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Ocypodidae | *Uca borealis* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Ocypodidae | *Uca lactea* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Ocypodidae | *Uca* sp. |
| Animalia | Arthropoda | Malacostraca | Decapoda | Ocypodidae | *Uca vocans* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Portunidae | *Portunus* sp. |
| Animalia | Arthropoda | Malacostraca | Decapoda | Sesarmidae | *Nanosesarma minutum* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Varunidae | *Hemigrapsus penicillatus* |
| Animalia | Arthropoda | Maxillopoda | Sessilia | Balanidae | *Balanus amphitrite* |
| Animalia | Chordata | Actinopterygii | Perciformes | Gobiidae | *Periophthalmus cantonensis* |
| Animalia | Chordata | Actinopterygii | Perciformes | Gobiidae | Unidentified goby spp. |
| Animalia | Cnidaria | Anthozoa | Actiniaria | Diadumenidae | *Diadumene lineata* |
| Animalia | Mollusca | Bivalvia | Anomalodesmata | Laternulidae | *Laternula anatina* |
| Animalia | Mollusca | Bivalvia | Arcoida | Arcidae | *Barbatia virescens* |
| Animalia | Mollusca | Bivalvia | Euheterodonta | Hiatellidae | *Hiatella arctica* |
| Animalia | Mollusca | Bivalvia | Mytiloida | Mytilidae | *Xenostrobus atratus* |
| Animalia | Mollusca | Bivalvia | Ostreoida | Ostreidae | *Saccostrea cucullata* |
| Animalia | Mollusca | Bivalvia | Veneroida | Corbiculidae | *Geloina erosa* |
| Animalia | Mollusca | Bivalvia | Veneroida | Tellinidae | *Tellina psammotella* |
| Animalia | Mollusca | Bivalvia | Veneroida | Veneridae | *Circe* sp. |
| Animalia | Mollusca | Bivalvia | Veneroida | Veneridae | *Cyclina sinesis* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Batillariidae | *Batillaria multiformis* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Batillariidae | *Batillaria zonalis* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Cerithiidae | *Clypeomorus bifasciata* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Potamididae | *Cerithidea moerchii* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Potamididae | *Pirenella asiatica* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Potamididae | *Pirenella incisa* |

**Annex IV (Cont'd).** *Taxonomic resolution of every recorded species of intertidal soft shore community survey*

| Kingdom | Phylum | Class | Order | Family | Species |
|---|---|---|---|---|---|
| Animalia | Mollusca | Gastropoda | Cycloneritimorpha | Neritidae | *Clithon faba* |
| Animalia | Mollusca | Gastropoda | Cycloneritimorpha | Neritidae | *Clithon oualaniensis* |
| Animalia | Mollusca | Gastropoda | Cycloneritimorpha | Neritidae | *Nerita polita* |
| Animalia | Mollusca | Gastropoda | Littorinimorpha | Littorinidae | *Littoraria articulata* |
| Animalia | Mollusca | Gastropoda | Littorinimorpha | Littorinidae | Peasiella spp. |
| Animalia | Mollusca | Gastropoda | Neogastropoda | Muricidae | *Thais luteostoma* |
| Animalia | Mollusca | Gastropoda | Neogastropoda | Nassariidae | *Nassarius festivus* |
| Animalia | Mollusca | Gastropoda | Neogastropoda | Nassariidae | *Nassarius hepaticus* |
| Animalia | Mollusca | Gastropoda | | Lottiidae | *Nipponacmea concinna* |
| Animalia | Mollusca | Gastropoda | | Lottiidae | *Patelloida pygmaea* |
| Animalia | Mollusca | Gastropoda | | Nacellidae | *Cellana grata* |
| Animalia | Mollusca | Gastropoda | | Nacellidae | *Cellana toreuma* |
| Animalia | Mollusca | Gastropoda | | Trochidae | *Euchelus scaber* |
| Animalia | Mollusca | Gastropoda | | Trochidae | *Monodonta labio* |
| Animalia | Mollusca | Gastropoda | | Turbinidae | *Lunella coronata* |
| Animalia | Mollusca | Polyplacophora | Chitonida | Ischnochitonidae | *Lepidozona* sp. |
| Animalia | Nemertea | | | | Nemertea spp. |
| Animalia | Platyhelminthes | | | | Platyhelminthes spp. |
| Animalia | Sipuncula | Sipunculidea | Golfingiida | Sipunculidae | *Sipunculus nudus* |

**Annex V.** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Circe* sp. | | | | 7 | | | | | | | | | | | | | | | | | 7 |
| Bi | *Geloina erosa* | | | | | | | | | | | | | | | | | | | 2 | | 2 |
| Bi | *Saccostrea cucullata* | 3 | | | | 6 | | 4 | | | | 5 | | 4 | | 5 | | 1 | | 2 | | 30 |
| Bi | *Xenostrobus atratus* | | | | | | | 1 | | 1 | | | | 1 | | | | | | | | 3 |
| C | *Hemigrapsus penicillatus* | | | | | | | | | | | | | 1 | | | | | | 1 | | 2 |
| C | *Nanosesarma minutum* | | | | | 1 | | 1 | | | | 1 | | | | 2 | | | | | | 5 |
| C | *Portunus* sp. | | | | 1 | | | | | | | | | | | | | | | | | 1 |
| G | *Batillaria multiformis* | 20 | | 4 | 1 | 48 | | 55 | | 83 | | 445 | | 380 | | 181 | | 178 | | 232 | | 1627 |
| G | *Batillaria zonalis* | | | 23 | | | | | | | | | | | | | | | | | | 23 |
| G | *Cerithidea moerchii* | | | 9 | | | | | | | | 3 | | | | | | 4 | | | | 16 |
| G | *Clithon faba* | | | | | | | 3 | | | | | | 2 | | | | 15 | | 3 | | 23 |
| G | *Clithon oualaniensis* | 12 | | 4 | | | | | | | | | | | | | | 4 | | | | 20 |
| G | *Clypeomorus bifasciata* | | | | | | | | | | | | | 3 | | | | | | | | 3 |
| G | *Littoraria articulata* | | | | | | | 3 | | | | 4 | | | | | | | | | | 7 |
| G | *Lunella coronata* | | | | | 3 | | | | | | | | | | | | | | | | 3 |
| G | *Monodonta labio* | 9 | | 5 | | 13 | | 28 | | | | 11 | | 41 | | 3 | | 4 | | 5 | | 119 |
| G | *Nassarius hepaticus* | | | 6 | | | | | | | | | | | | | | | | | | 6 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Nerita polita* | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| G | *Nipponacmea concinna* | | | | | 2 | | | | | | | | | | | | | | | | 2 |
| G | *Pirenella asiatica* | 108 | | 67 | | | | 3 | | 12 | | | | | | | | 16 | | | | 206 |
| G | *Pirenella incisa* | 25 | | 44 | 4 | | | 19 | | 24 | | | | | | 4 | | 33 | | | | 153 |
| P | Maldanidae spp. | | | | 1 | | | | | | | | | | | | | | | | | 1 |
| Sp | *Sipunculus nudus* | | | | | | | | | 1 | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **2262** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | | | | | | | 1 | | | | | | | | | | | | 1 |
| Bi | *Barbatia virescens* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| Bi | *Cyclina sinesis* | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Bi | *Saccostrea cucullata* | 12 | | 13 | | 3 | | 11 | | 24 | | 7 | | 23 | | 17 | | 13 | | 36 | | 159 |
| Bi | *Xenostrobus atratus* | 1 | | | | | | 2 | | | | | | 2 | | 1 | | | | 4 | | 10 |
| C | *Hemigrapsus penicillatus* | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| C | *Metopograpsus latifrons* | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| C | *Nanosesarma minutum* | | | | | | | | | 1 | | | | 1 | | | | | | | | 2 |
| C | *Uca lactea* | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| C | *Uca* sp. | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| G | *Batillaria multiformis* | 29 | 1 | 4 | | 4 | 4 | 97 | | 178 | | 132 | | 50 | | 84 | | 172 | | 148 | | 903 |
| G | *Clithon faba* | | | | | | | 5 | | 4 | | | | | | 4 | | | | | | 13 |
| G | *Clithon oualaniensis* | | | | | | | 4 | | | | | | | | | | 3 | | | | 7 |
| G | *Littoraria articulata* | | | | | | | 4 | | 9 | | | | 13 | | 7 | | 8 | | | | 41 |
| G | *Lunella coronata* | | | | | 5 | | | | | | | | 4 | | | | 6 | | | | 15 |
| G | *Monodonta labio* | 11 | | 10 | | | | 26 | | 48 | | 40 | | 46 | | 65 | | 43 | | 4 | | 293 |
| G | *Nipponacmea concinna* | | | 1 | | | | 1 | | 1 | | | | | | | | | | | | 3 |
| G | *Patelloida pygmaea* | | | | | | | | | | | | | 2 | | | | | | | | 2 |
| G | *Pirenella asiatica* | 4 | 1 | 4 | | | | 8 | | 4 | | | | 4 | | 4 | | | | | | 29 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Pirenella incisa* | 16 | 1 | | | 37 | 7 | 11 | | | | | | | | | | 25 | | 8 | | 105 |
| Ne | Nemertea spp. | | | 1 | | | | | | 1 | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **1591** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Barbatia virescens* | | | | | 3 | | | | 3 | | 2 | | 1 | | 1 | | 4 | | | | 14 |
| Bi | *Hiatella arctica* | | | | | 1 | | | | | | | | | | | | | | 2 | | 3 |
| Bi | *Saccostrea cucullata* | 20 | | 5 | | 11 | | 7 | | 30 | | 43 | | 48 | | 17 | | 39 | | 40 | | 260 |
| Bi | *Xenostrobus atratus* | 3 | | | | 1 | | | | 2 | | 3 | | 6 | | 1 | | 2 | | 1 | | 19 |
| C | *Hemigrapsus penicillatus* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| C | *Nanosesarma minutum* | | | | | | | | | 2 | | 2 | | 1 | | 1 | | 2 | | 1 | | 9 |
| C | *Uca lactea* | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| G | *Batillaria multiformis* | 36 | | | | 32 | | 4 | | 40 | | 35 | | 102 | | 88 | | 42 | | 32 | | 411 |
| G | *Batillaria zonalis* | | | 8 | | | | 8 | | | | | | | | | | | | | | 16 |
| G | *Cellana grata* | | | | | | | 1 | | 1 | | | | | | | | | | 1 | | 3 |
| G | *Cellana toreuma* | | | | | | | | | 4 | | | | | | | | | | | | 4 |
| G | *Clithon faba* | | | | | | | | | | | 4 | | 3 | | | | 2 | | 11 | | 20 |
| G | *Clypeomorus bifasciata* | | | | | 8 | | | | | | | | | | | | | | | | 8 |
| G | *Littoraria articulata* | | | | | | | | | | | | | 12 | | | | | | | | 12 |
| G | *Lunella coronata* | 8 | | | | | | 4 | | 3 | | | | 3 | | 4 | | | | 12 | | 34 |
| G | *Monodonta labio* | 26 | | | | 9 | | 5 | | 20 | | 84 | | 67 | | 19 | | 78 | | 32 | | 340 |
| G | *Nassarius festivus* | | | | | | | | | | | | | | | | | 3 | | | | 3 |
| G | *Nassarius hepaticus* | | | | | | | 4 | | | | | | | | | | | | | | 4 |
| G | *Nerita polita* | | | | | | | | | | | 3 | | 1 | | | | | | | | 4 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Nipponacmea concinna* | 3 | | | | | | | | 2 | | | | | | | | | | 1 | | 6 |
| G | *Patelloida pygmaea* | | | | | | | | | | | 2 | | 1 | | 1 | | 1 | | 1 | | 6 |
| G | *Pirenella asiatica* | 5 | | 48 | | | | 5 | | | | | | | | 5 | | | | 7 | | 70 |
| G | *Pirenella incisa* | 21 | | 27 | | 4 | | 32 | 16 | 6 | | 4 | | 4 | | 4 | | | | 22 | | 140 |
| G | *Thais luteostoma* | 2 | | | | | | | | | | | | | | | | | | | | 2 |
| P | Maldanidae spp. | | | | | | | | 2 | | | | | | | | | | | | | 2 |
| P | Polynoidae spp. | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| Sp | *Sipunculus nudus* | | | | | | | | | 1 | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **1394** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | | | | | | | | | | | | | 2 | | | | | | 2 |
| Bi | *Barbatia virescens* | | | | | | | | | | | 1 | | | | 3 | | 1 | | | | 5 |
| Bi | *Circe* sp. | | | | 1 | | | | | | | | | | | | | | | | | 1 |
| Bi | *Geloina erosa* | | | 1 | | | | | | | | | | | | 1 | | | | | | 2 |
| Bi | *Hiatella arctica* | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| Bi | *Saccostrea cucullata* | 6 | | 1 | | 45 | | 5 | | | | 4 | | 17 | | 9 | | 54 | | | | 141 |
| Bi | *Tellina psammotella* | | | | 1 | | | | | | | | | | | | | | | | | 1 |
| Bi | *Xenostrobus atratus* | | | | | | | | | | | | | | | 4 | | 1 | | | | 5 |
| C | *Metopograpsus latifrons* | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| C | *Nanosesarma minutum* | | | | | | | | | | | | | | | 1 | | 1 | | | | 2 |
| C | *Uca lactea* | | | | | | | | | | | 4 | | 10 | | 7 | | | | 5 | | 26 |
| G | *Batillaria multiformis* | 6 | | | | 2 | | | | 3 | 1 | 44 | 5 | 4 | | 16 | 3 | 8 | 2 | | | 94 |
| G | *Batillaria zonalis* | | | | | 1 | | 2 | | 2 | | 36 | 1 | 21 | 3 | 81 | 3 | 21 | 2 | 25 | 3 | 201 |
| G | *Cerithidea moerchii* | | | | | | | | | | | 4 | | | | | | | | | | 4 |
| G | *Clithon oualaniensis* | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| G | *Littoraria articulata* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| G | *Lunella coronata* | | | | | 2 | | | | 1 | | 5 | | | | 3 | | 4 | | | | 15 |
| G | *Monodonta labio* | 4 | | | | 4 | | 1 | | 1 | | 4 | | | | 4 | | 13 | | | | 31 |
| G | *Nipponacmea concinna* | | | | | 3 | | 2 | | | | | | | | | | | | | | 5 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Patelloida pygmaea* | | | | | 1 | | | | 1 | | | | 2 | | 1 | | 2 | | | | 7 |
| G | *Pirenella asiatica* | 1 | | 19 | 1 | 25 | | 47 | | 64 | 3 | 29 | 6 | 8 | 1 | 56 | 7 | 32 | 2 | 68 | 3 | 372 |
| G | *Pirenella incisa* | 18 | | 23 | 7 | 12 | | 29 | | 32 | 6 | 24 | 18 | 25 | | 21 | 4 | 39 | 3 | 33 | 2 | 296 |
| Ne | Nemertea spp. | 1 | | | | | | 1 | | | | | | | | | | | | | | 2 |
| P | Ampharetidae spp. | | | | | | | | | | 1 | | | | | | 1 | | 2 | | | 4 |
| P | Maldanidae spp. | | | | 1 | | | | | | | | | | | | | | 1 | | | 2 |
| Sp | *Sipunculus nudus* | | | | | | | 1 | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **1223** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | | | | | | | | | | | 3 | | | | | | 4 | | 7 |
| Bi | *Barbatia virescens* | | | | | | | | | | | 2 | | 3 | | | | | | | | 5 |
| Bi | *Circe* sp. | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Bi | *Saccostrea cucullata* | 5 | | 17 | | 1 | | 1 | | 1 | | 29 | | 48 | | 31 | | 17 | | 8 | | 158 |
| Bi | *Xenostrobus atratus* | | | | | | | | | | | 3 | | 2 | | 2 | | 1 | | | | 8 |
| C | *Hemigrapsus penicillatus* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| C | *Nanosesarma minutum* | | | | | | | | | | | | | 1 | | 2 | | | | | | 3 |
| C | *Uca lactea* | 7 | | | | 6 | | | | | | 4 | | | | | | | | | | 17 |
| C | *Uca vocans* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| F | Unidentified goby spp. | | | | | | | | 1 | | | | | | | | | | | | | 1 |
| G | *Batillaria multiformis* | | | | | | | | | | | 4 | | 5 | | 4 | | 3 | | | | 16 |
| G | *Batillaria zonalis* | | | | | | 1 | 8 | | 17 | | 17 | 2 | 35 | 2 | 36 | 5 | 92 | 7 | 68 | 3 | 293 |
| G | *Clypeomorus bifasciata* | | | | | | | | | | | | | | | | 1 | | | 5 | | 6 |
| G | *Lunella coronata* | | | | | 4 | | | | | | | | | | 12 | | 3 | | 4 | | 23 |
| G | *Monodonta labio* | 7 | | 16 | | | | | | | | | | | | 4 | | 4 | | | | 31 |
| G | *Nassarius hepaticus* | | | | | | | 7 | | | | | | | | | | | | | | 7 |
| G | *Nerita polita* | | | | | | | | | | | | | | | 5 | | | | | | 5 |
| G | *Patelloida pygmaea* | | | | | | | | | | | | | 2 | | 1 | | | | 1 | | 4 |
| G | *Pirenella asiatica* | 4 | 2 | | | 41 | 4 | | | 4 | | 8 | 2 | 25 | 5 | 16 | 3 | 8 | 1 | | | 123 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Pirenella incisa* | 4 | 2 | | | 12 | 2 | 13 | | 5 | | 8 | 1 | 16 | | 15 | 2 | 25 | 7 | 8 | | 120 |
| P | Ampharetidae spp. | | | | | | 3 | | | | | | | | | | | | | | | 3 |
| P | Maldanidae spp. | | | | | | | | 2 | | | | | | 3 | | 2 | | 1 | | | 8 |
| P | Oweniidae spp. | | | | | | | | | | | | | | | | | | 1 | | | 1 |
| P | Pectinariidae spp. | | | | | | | | 1 | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **843** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | 3 | | | | | | | | | | 3 | | 2 | | 5 | | | | | | 13 |
| Bi | *Circe* sp. | | | | | | | | 1 | | | | | | | | | | | | | 1 |
| Bi | *Hiatella arctica* | 2 | | | | | | | | | | | | | | | | | | | | 2 |
| Bi | *Saccostrea cucullata* | 27 | | | | | | 1 | | | | | | | | | | | | | | 28 |
| Bi | *Xenostrobus atratus* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| C | *Nanosesarma minutum* | 2 | | | | | | | | | | | | | | 1 | | | | | | 3 |
| G | *Batillaria zonalis* | 8 | | 7 | | | | | | 41 | | 35 | 1 | | | 5 | 1 | 4 | | 60 | | 162 |
| G | *Cellana toreuma* | 2 | | | | | | | | | | | | | | | | | | | | 2 |
| G | *Lunella coronata* | 15 | | | | | | | | | | | | | | | | | | | | 15 |
| G | *Monodonta labio* | 9 | | | | | | | | | | | | | | | | | | | | 9 |
| G | *Nassarius hepaticus* | | | | | | | | | | | 3 | | | | 4 | | | | | | 7 |
| G | *Patelloida pygmaea* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| G | *Pirenella asiatica* | | | 8 | | | | | | | | 4 | 1 | | | | | 9 | 1 | | | 23 |
| G | *Pirenella incisa* | | | | | | | 8 | | | | | | | | | | | | | 1 | 9 |
| Ne | Nemertea spp. | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| P | Maldanidae spp. | | | | 2 | | 1 | | 1 | | 4 | | 2 | | 1 | | 1 | | | | 1 | 13 |
| P | Oweniidae spp. | | | | | | | | | | | | 1 | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **291** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Circe* sp. | | | | | | | | 1 | | 1 | | | | 2 | | | | | | | 4 |
| Bi | *Geloina erosa* | | | | | | | | | | | | | | | 1 | | 1 | | | | 2 |
| Bi | *Saccostrea cucullata* | 2 | | | | | | | | 3 | | | | | | 2 | | | | | | 7 |
| C | *Uca borealis* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| C | *Uca lactea* | | | | 1 | | | | | | | 2 | | | | 3 | | 1 | | 3 | | 10 |
| G | *Batillaria multiformis* | 24 | 1 | 99 | 8 | 68 | 6 | 256 | 17 | 104 | | 66 | 3 | 20 | | 39 | 4 | 48 | 1 | 144 | 12 | 920 |
| G | *Batillaria zonalis* | 8 | | 16 | 1 | | | | | | | 4 | | | | | | | | | | 29 |
| G | *Cerithidea moerchii* | | | | | 8 | | | | | 1 | | 1 | | | | | | | | 1 | 11 |
| G | *Clithon faba* | | | | | | | | | | | | | 5 | | | | | | | | 5 |
| G | *Clithon oualaniensis* | | | | | | | | | | | 7 | | 4 | | | | 5 | | | | 16 |
| G | *Clypeomorus bifasciata* | | | | | | | 4 | | | | | | | | | | | | | | 4 |
| G | *Nassarius festivus* | 7 | | | | | | | | | | | | | | | | | | | | 7 |
| G | *Pirenella asiatica* | 63 | 3 | | | 5 | | 55 | 1 | 64 | 2 | 61 | 2 | 41 | 1 | 9 | 1 | 9 | | 17 | 1 | 335 |
| G | *Pirenella incisa* | 172 | 6 | 39 | 1 | 162 | | 40 | 1 | 73 | 3 | 96 | 11 | 52 | 5 | 88 | 9 | 113 | 9 | 68 | 9 | 957 |
| P | Ampharetidae spp. | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| P | Maldanidae spp. | | 2 | | | | | | | | | | 2 | | 3 | | 2 | | | | | 9 |
| | | | | | | | | | | | | | | | | | | | | | Total | 2318 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Hiatella arctica* | | | | | | | 4 | | | | | | | | | | | | | | 4 |
| Bi | *Laternula anatina* | | | | | | | | | | | | | 2 | | | | | | | | 2 |
| Bi | *Saccostrea cucullata* | 6 | | 14 | | | | 37 | | | | | | | | | | | | | | 57 |
| Bi | *Xenostrobus atratus* | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| C | *Metopograpsus latifrons* | | | | | | | 1 | | | | | | | | | | | | | | 1 |
| C | *Uca lactea* | | | | | | | | | | | | | | | 10 | | 6 | 1 | 25 | | 42 |
| G | *Batillaria multiformis* | 32 | 1 | 40 | | 4 | 2 | 5 | | | | 6 | | 12 | 2 | 7 | | 8 | 1 | 9 | | 129 |
| G | *Batillaria zonalis* | 35 | 3 | 23 | 1 | 8 | | 8 | 1 | 5 | | 12 | 2 | 9 | | | 1 | | | | | 108 |
| G | *Cellana toreuma* | 1 | | 3 | | | | | | | | | | | | | | | | | | 4 |
| G | *Cerithidea moerchii* | 14 | | | | | | | | | | | | | | 3 | | | 1 | 11 | | 29 |
| G | *Littoraria articulata* | | | 4 | | | | | | | | | | | | | | | | | | 4 |
| G | *Lunella coronata* | | | 3 | | | | 11 | | | | | | | | | | | | | | 14 |
| G | *Monodonta labio* | | | | | | | 8 | | | | | | | | | | | | | | 8 |
| G | *Nassarius festivus* | 4 | | | | | | | | | | | | | | | | | | | | 4 |
| G | *Nassarius hepaticus* | | | | | | | | | | | 3 | | | | | | | | | | 3 |
| G | *Pirenella asiatica* | 77 | 3 | 111 | 14 | 68 | 4 | 27 | 3 | 58 | | 29 | | 35 | 4 | 16 | 1 | 20 | 2 | 12 | | 484 |
| G | *Pirenella incisa* | 84 | 8 | 82 | 3 | 90 | 4 | 26 | 3 | 70 | 3 | 52 | 4 | 106 | 8 | 96 | 10 | 98 | 5 | 104 | 25 | 881 |
| P | Maldanidae spp. | | | | | | 2 | | | | 2 | | 3 | | 1 | | | | 1 | | | 9 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| P | Oweniidae spp. | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **1786** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Barbatia virescens* | 4 | | 56 | | 10 | | 2 | | 4 | | | | 2 | | | | | | 2 | | 80 |
| Bi | *Hiatella arctica* | 2 | | | | | | 2 | | 2 | | | | 1 | | | | 3 | | | | 10 |
| Bi | *Saccostrea cucullata* | 115 | | 129 | | 106 | | 107 | | 30 | | 29 | | 57 | | 33 | | 18 | | 22 | | 646 |
| Bi | *Xenostrobus atratus* | | | 4 | | 3 | | 2 | | 1 | | 4 | | | | | | | | | | 14 |
| C | *Metopograpsus latifrons* | | | 1 | | | | | | | | | | 2 | | | | | | 1 | | 4 |
| C | *Nanosesarma minutum* | | | | | | | 1 | | | | | | 5 | | | | 1 | | 1 | | 8 |
| C | *Uca vocans* | | | 2 | | | | | | | | | | | | | | | | | | 2 |
| Cn | *Diadumene lineata* | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| G | *Batillaria multiformis* | 17 | | | | 11 | | 8 | | 5 | | 8 | | 4 | | | | 5 | | 8 | | 66 |
| G | *Batillaria zonalis* | | | | | | | | | 4 | | | | | | | | | | | | 4 |
| G | *Cellana grata* | | | | | | | | | | | 4 | | 3 | | 5 | | 1 | | | | 13 |
| G | *Cellana toreuma* | | | | | 2 | | | | | | | | 3 | | | | | | | | 5 |
| G | *Clithon oualaniensis* | | | | | | | | | 3 | | | | | | | | | | | | 3 |
| G | *Clypeomorus bifasciata* | 4 | | | | | | | | | | | | | | | | | | | | 4 |
| G | *Lepidozona* sp. | | | | | | | | | | | 1 | | | | 2 | | | | 1 | | 4 |
| G | *Littoraria articulata* | | | | | | | | | | | 8 | | | | | | | | | | 8 |
| G | *Lunella coronata* | 28 | | 41 | | 8 | | 9 | | 21 | | 14 | | 19 | | 20 | | 35 | | 23 | | 218 |
| G | *Monodonta labio* | 55 | | 100 | | 35 | | 47 | | 44 | | 116 | | 116 | | 81 | | 44 | | 85 | | 723 |
| G | *Nerita polita* | | | | | | | | | | | 12 | | | | 4 | | | | | | 16 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Nipponacmea concinna* | 1 | | | | | | | | | | 4 | | 6 | | 5 | | 3 | | 2 | | 21 |
| G | *Patelloida pygmaea* | 2 | | | | | | 4 | | 2 | | | | | | | | | | | | 8 |
| G | *Pirenella asiatica* | 3 | | | | | | | | 18 | | | | | | | | | | | | 21 |
| G | *Pirenella incisa* | | | | | | | | | 4 | | | | | | | | | | | | 4 |
| G | *Thais luteostoma* | 3 | | 6 | | 2 | | | | | | | | | | | | | | | | 11 |
| Ne | Nemertea spp. | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| P | Maldanidae spp. | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| Pl | Platyhelminthes spp. | | | | | | | | | | | | | | | 1 | | 1 | | 1 | | 3 |
| Sp | *Sipunculus nudus* | | | | | | | | | | | | | | | 1 | | | | 1 | | 2 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **1901** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone ST High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Barbatia virescens* | | | | | | | | | 2 | | 3 | | | | | | | | | | 5 |
| Bi | *Hiatella arctica* | | | | | | | | | 2 | | | | | | | | | | | | 2 |
| Bi | *Saccostrea cucullata* | 16 | | 8 | | 8 | | 4 | | 7 | | 8 | | 3 | | 41 | | 6 | | 30 | | 131 |
| Bi | *Xenostrobus atratus* | | | 2 | | | | | | 2 | | | | 1 | | | | | | 1 | | 6 |
| C | *Hemigrapsus penicillatus* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| C | *Metopograpsus latifrons* | 3 | | | | 2 | | 2 | | | | | | | | | | | | 1 | | 8 |
| C | *Nanosesarma minutum* | | | 1 | | 1 | | | | | | 2 | | | | | | | | 1 | | 5 |
| Cn | *Diadumene lineata* | | | 3 | | 1 | | | | | | 1 | | | | | | | | | | 5 |
| G | *Batillaria multiformis* | 24 | | 44 | | 29 | | 25 | | 53 | | 9 | | 32 | | 51 | | 23 | | 37 | | 327 |
| G | *Cellana grata* | | | | | | | | | | | 3 | | | | 2 | | | | 1 | | 6 |
| G | *Cellana toreuma* | | | | | | | | | 2 | | 12 | | 3 | | | | 1 | | | | 18 |
| G | *Clithon faba* | | | | | 5 | | | | | | | | 8 | | | | 10 | | | | 23 |
| G | *Clithon oualaniensis* | | | | | | | | | | | 8 | | | | | | 2 | | | | 10 |
| G | *Clypeomorus bifasciata* | | | 20 | | 12 | | 7 | | 17 | | 16 | | 16 | | 20 | | 33 | | 9 | | 150 |
| G | *Euchelus scaber* | | | | | | | | | | | 4 | | | | | | | | | | 4 |
| G | *Lepidozona* sp. | | | | | | | | | | | 3 | | | | | | | | | | 3 |
| G | *Littoraria articulata* | | | 5 | | 8 | | | | | | | | | | | | | | | | 13 |
| G | *Lunella coronata* | 15 | | 5 | | 13 | | 4 | | 4 | | 8 | | 9 | | 36 | | 31 | | 4 | | 129 |
| G | *Monodonta labio* | 24 | | 52 | | 179 | | 81 | | 23 | | 52 | | 12 | | 33 | | 12 | | 70 | | 538 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone ST High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Nassarius festivus* | | | | | 3 | | | | | | | | | | | | | | | | 3 |
| G | *Nerita polita* | | | | | | | | | 9 | | | | | | | | | | | | 9 |
| G | *Nipponacmea concinna* | | | | | | | | | | | 2 | | | | | | | | | | 2 |
| G | *Patelloida pygmaea* | | | | | | | | | | | | | | | | | 1 | | 6 | | 7 |
| G | Peasiella spp. | | | | | | | | | | | | | 2 | | | | | | | | 2 |
| G | *Pirenella asiatica* | | | | | 8 | | | | 4 | | 8 | | 31 | | | | 3 | | | | 54 |
| G | *Pirenella incisa* | | | | | 3 | | | | | | | | | | 24 | | | | 10 | | 37 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **1498** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone ST Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | | | 1 | | | | | | | | | | | | 1 | | | | 2 |
| Bi | *Barbatia virescens* | | | 3 | | 2 | | 1 | | | | | | | | 6 | | 3 | | 3 | | 18 |
| Bi | *Hiatella arctica* | 1 | | | | | | | | | | 1 | | 1 | | | | 2 | | | | 5 |
| Bi | *Saccostrea cucullata* | 33 | | 44 | | 73 | | 40 | | 10 | | 35 | | 37 | | 43 | | 51 | | 48 | | 414 |
| Bi | *Xenostrobus atratus* | 2 | | 2 | | 6 | | 2 | | | | 3 | | | | | | 2 | | 1 | | 18 |
| C | *Hemigrapsus penicillatus* | | | | | | | | | | | | | | | 1 | | 1 | | | | 2 |
| C | *Metopograpsus latifrons* | | | 2 | | | | | | | | 1 | | | | 1 | | 1 | | | | 5 |
| C | *Nanosesarma minutum* | 1 | | 1 | | | | | | | | | | 1 | | 1 | | 1 | | | | 5 |
| F | *Periophthalmus cantonensis* | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| G | *Batillaria multiformis* | 6 | | 4 | | | | 9 | | | | | | 7 | | 4 | | | | 4 | | 34 |
| G | *Batillaria zonalis* | 7 | | 8 | | | | | | | | | | | | | | | | | | 15 |
| G | *Cellana grata* | 2 | | | | | | | | | | 1 | | | | | | | | 1 | | 4 |
| G | *Cellana toreuma* | 6 | | | | | | | | | | 1 | | 1 | | | | | | | | 8 |
| G | *Cerithidea moerchii* | 7 | | | | | | | | | | | | | | | | | | | | 7 |
| G | *Clithon faba* | | | | | | | | | | | | | | | 3 | | | | | | 3 |
| G | *Clypeomorus bifasciata* | | | 21 | | 8 | | 8 | | 4 | | 12 | | | | 6 | | 10 | | 19 | | 88 |
| G | *Euchelus scaber* | 3 | | | | 10 | | | | | | | | | | 4 | | | | 5 | | 22 |
| G | *Lepidozona* sp. | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| G | *Lunella coronata* | 25 | | 41 | | 29 | | 26 | | 20 | | 12 | | | | 35 | | 26 | | 28 | | 242 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone ST Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Monodonta labio* | 10 | | 31 | | 24 | | | | 9 | | 37 | | 10 | | 84 | | 148 | | 55 | | 408 |
| G | *Nassarius festivus* | 3 | | | | | | | | 2 | | | | | | | | | | | | 5 |
| G | *Nerita polita* | | | 3 | | 7 | | | | | | | | | | | | | | | | 10 |
| G | *Nipponacmea concinna* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| G | *Patelloida pygmaea* | | | | | 3 | | 2 | | | | | | | | 2 | | 3 | | 1 | | 11 |
| G | *Pirenella asiatica* | 16 | | 3 | | 13 | | 8 | | 63 | | 17 | | 16 | | 23 | | | | 32 | | 191 |
| G | *Pirenella incisa* | 14 | | 22 | | 10 | | 11 | | 19 | | 14 | | | | 21 | | 8 | | 9 | | 128 |
| G | *Thais luteostoma* | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| Ne | Nemertea spp. | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| Sp | *Sipunculus nudus* | 2 | | | | | | | | 1 | | | | | | | | | | | | 3 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **1654** |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone ST Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Barbatia virescens* | 1 | | | | | | | | | | | | | | 3 | | 6 | | 10 | | 20 |
| Bi | *Circe* sp. | | | | 1 | | 2 | | | | | | | | 1 | | | | | | | 4 |
| Bi | *Hiatella arctica* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Bi | *Saccostrea cucullata* | 29 | | 17 | | | | | | 1 | | 9 | | 2 | | 21 | | 14 | | 11 | | 104 |
| Bi | *Xenostrobus atratus* | | | 2 | | | | | | | | | | | | 1 | | 2 | | | | 5 |
| C | *Nanosesarma minutum* | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | 3 |
| G | *Batillaria multiformis* | | | | 1 | | | | | 4 | | | | | | | | | | | | 5 |
| G | *Batillaria zonalis* | | | 4 | 3 | 26 | | 12 | | 3 | 1 | | 1 | 4 | | | | | | | 2 | 56 |
| G | *Cellana grata* | 2 | | | | | | | | | | | | | | | | | | | | 2 |
| G | *Cellana toreuma* | 1 | | | | | | | | | | | | | | | | 1 | | | | 2 |
| G | *Clypeomorus bifasciata* | 14 | | 5 | | | | | | | | | | | | 14 | | 4 | | | | 37 |
| G | *Euchelus scaber* | 13 | | | | | | | | | | 3 | | | | 13 | | 4 | | 3 | | 36 |
| G | *Lepidozona* sp. | 1 | | | | | | | | | | | | | | | | 1 | | | | 2 |
| G | *Lunella coronata* | 57 | | 10 | | | | | | | | 9 | | | | 20 | | 33 | | 16 | | 145 |
| G | *Monodonta labio* | 10 | | | | | | | | | | | | | | | | 3 | | | | 13 |
| G | *Nassarius hepaticus* | | | | | 3 | | | | | | | | | | | | | | | | 3 |
| G | *Nipponacmea concinna* | 7 | | | | | | | | | | | | | | | | | | | | 7 |
| G | *Patelloida pygmaea* | | | | | | | | | | | | | | | 4 | | 2 | | 2 | | 8 |
| G | *Pirenella asiatica* | 8 | | 21 | 9 | | | | | 9 | | | | | | 8 | | 7 | | | | 62 |

**Annex V (Cont'd).** *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Oct 2018 Sampling zone ST Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Pirenella incisa* | 8 | | 85 | 8 | | | | | 48 | 1 | 7 | | 10 | | 8 | | | | | | 175 |
| P | Maldanidae spp. | | | | | | 1 | | | | | | | | | | | | | | | 1 |
| P | Onuphidae spp. | | | | | | | | | | | | 1 | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | **Total** | **692** |

Key for faunal groups (Gp):

Ba: Barnacle, Bi: Bivalve, C: Crab, Cn: Cnidarin, Eh: Echiuran, F: Fish, G: Gastropod, Hc: Hermit crab, Ne: Nemertean, Ol: Oligochaete, P: Polychaete, Pl: Platyhelminthes, Po: Polyplacophores, S: Shrimp, Sc: Scaphopods, Sp: Sipunculan

# APPENDIX J

Waste Flow Table

**MONTHLY SUMMARY WASTE FLOW TABLE**

Name of Department: HyD

Contract No.: HY/2011/03

**Monthly Summary Waste Flow Table for 2018**

| Month | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total Quantity Generated | Hard Rock and Large Broken Concrete | Reused in the Contract *(Note 8)* | Reused in Other Projects *(Note 8)* | Disposed as Public Fill *(Note 6)* | Imported Fill *(Note 6)* | Metals | Paper / Cardboard Packaging | Plastics *(Note 3)* | Chemical Waste | Others, e.g. general refuse *(Note 8)* |
| | (in '000$m^3$) | (in '000$m^3$) | (in '000$m^3$) | (in '000$m^3$) | (in '000$m^3$) | (in '000$m^3$) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000$m^3$) |
| Jan | 33.109 | 0.000 | 3.896 | 22.373 | 6.840 | 15.246 | 11.340 | 0.000 | 0.000 | 0.000 | 2.503 |
| Feb | 8.294 | 0.000 | 3.304 | 1.774 | 3.216 | 0.000 | 19.130 | 0.000 | 0.000 | 0.000 | 0.871 |
| Mar | 12.043 | 0.000 | 3.056 | 4.643 | 4.344 | 0.000 | 10.540 | 0.000 | 0.000 | 0.000 | 1.274 |
| Apr | 7.064 | 0.000 | 2.568 | 0.656 | 3.840 | 0.822 | 19.760 | 0.000 | 0.000 | 0.000 | 1.931 |
| May | 3.176 | 0.000 | 2.408 | 0.512 | 0.256 | 1.003 | 22.430 | 0.000 | 0.000 | 0.000 | 1.554 |
| Jun | 2.948 | 0.000 | 1.648 | 0.732 | 0.568 | 0.927 | 28.750 | 0.000 | 0.000 | 0.000 | 0.728 |
| Sub-total | 66.634 | 0.000 | 16.880 | 30.690 | 19.064 | 17.998 | 111.950 | 0.000 | 0.000 | 0.000 | 8.860 |
| Jul | 14.004 | 0.000 | 1.792 | 11.364 | 0.848 | 0.094 | 10.210 | 0.000 | 0.000 | 0.000 | 0.975 |
| Aug | 9.502 | 0.000 | 1.418 | 5.268 | 2.816 | 2.649 | 13.540 | 0.000 | 0.000 | 0.000 | 1.684 |
| Sep | 3.068 | 0.000 | 1.228 | 0.000 | 1.840 | 0.000 | 12.337 | 0.000 | 0.000 | 0.000 | 1.203 |
| Oct | 4.417 | 0.000 | 1.317 | 1.668 | 1.432 | 3.501 | 10.593 | 0.000 | 0.000 | 0.000 | 0.676 |
| Nov | | | | | | | | | | | |
| Dec | | | | | | | | | | | |
| Sub- total | 30.991 | 0.000 | 5.755 | 18.300 | 6.936 | 6.244 | 46.680 | 0.000 | 0.000 | 0.000 | 4.538 |
| Total | | | | | | | | | | | |

| Forecast of Total Quantities of C&D Materials to be Generated from the Contract* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Quantity Generated** | **Hard Rock and Large Broken Concrete** | **Reused in the Contract** | **Reused in Other Projects** | **Disposed as Public Fill** | **Imported Fill** | **Metals** | **Paper / Cardboard Packaging** | **Plastics (see Note 3)** | **Chemical Waste** | **Others, e.g. general refuse** |
| **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000kg)** | **(in '000kg)** | **(in '000kg)** | **(in '000kg)** | **(in '000$m^3$)** |
| 310.805 | 21.788 | 224.130 | 40.265 | 24.622 | 1362.000 | 10.000 | 4.600 | 0.500 | 3.400 | 2.350 |

Notes:
(1) The performance target are given in ER Appendix 8J Clause 14
(2) The waste flow table shall also include C&D materials that are not specified in the Contract to be imported for use at the Site
(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
(4) The Contractor shall also submit the latest forecast of the amount of C&D materials expected to be generated from the Works, together with a break down of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000$m^3$.
(5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for recycling.
(6) Conversion factors for reporting purpose:
excavated (bulk): rock = 2.0 tonnes/$m^3$; soil = 1.8 tonnes/$m^3$ , sand=1.9tonnes/$m^3$ Metal=7.85tonnes/$m^3$
(7) Numbers are rounded off to the nearest three decimal places
(8) 30T dump truck carries C&D waste of 8.0$m^3$; 24T dump truck carries C&D waste of 6.5$m^3$

# APPENDIX K

Cumulative Statistics on Complaints

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2012-008 | 22-Oct-2012 | 16:41 | EPD | Environmental (Water Pollution) | X先生投訴東涌機場對出港珠澳大橋地盤，有污水排到海中（懷疑是油污），污染環境，要求跟進及回覆。 (Photos attached). The "phenomenon"was observed over the past week.<br>The photos attached were taken on 19.10.2012, 22.10.2012 and 23.10.2012 | Portion X | The pelican barge as shown in the photos provided on 24 October 2012 did not belong to the Contractor. | Closed | - |
| COM-2012-009 | 05-Nov-2012 | - | 1823 CASE: 1-391341859 | Environmental (Noise and light) | The citizen complained about noise and light pollution from the barges working on the Zhuhai Macau Bridge project. Barge machinery working to about 10pm at night and sometimes can be heard intermittently through the night. The noise is more audible because the machinery is sited on/over the water. | Portion X | The Contractor has adjusted the emission angle of the lights on working vessels with a view to minimizing the glaring effect to the adjoining residential areas | Closed | - |
| COM-2012-009(2) | 11-Nov-2012 | - | 1823 CASE: 1-391341859 | Environmental (Noise, water quality & air quality) | The complainant noted that the barges are still working on a Sunday, up until 10pm at night, very noisy, causing pollution of the water and at times expelling black smoke from their engines. A photograph taken at 10.40am on Sunday 11 November 2012 was attached. | Portion X | - | Closed | - |
| COM-2012-009(3) | 14-Nov-2012 | - | 1823 CASE: 1-391341859 | Environmental (Noise) | The complainant did not accept the reply. He further said that "All staff has to do is come out either at night or a Sunday to check, so easy. If this continues I will have no choice to call the police out." | Portion X | The Contractor has taken the following further mitigation measures for the reclamation works:<br>(a) Mitigation Measures for Noise Nuisance:<br>• Improvement of noise covers onto the generators / motors on barges; and<br>• Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges.<br>(b) Mitigation Measures for Smoke Emission:<br>• Increase frequency of maintenance and checking of engines on barges that may emit smoke; and<br>• Installation/ replacement of smoke suppression device such as air filter, at engines where necessary. | Closed | - |
| COM-2012-010(1) | 06-Nov-2012 | - | <hzmbenquiry@hyd.gov.hk> | Environmental (Noise) | The complainant stated that lately work has started opposite Le Bleu Deux estate using barges. The work in process is generated high level of noise from powered tools used on those barges. Even if the noise was acceptable on weekdays during daytime, it is definitely creating nuisance to local resident at night (past 7pm) and on Sunday. Basically as 5 November 12 evening, he could not leave his window open as the elevel of noise prevent his baby to sleep and he could not even hear the TV in his flat. the noise coming from the site is higher then the sounds from my TV.<br>He would like to know what measure you are planning to put in place to address this issue. He did not think that the current level of noise are acceptable past 7pm and on Sunday. | Portion X | - | Closed | - |
| COM-2012-010(2) | 15-Nov-2012 | - | <hzmbenquiry@hyd.gov.hk> | Environmental (Noise & air quality) | The noise can be very annoying, on days depending of the wind direction, you are making more noise than the plane taking off (I measured it myself), to give you an idea of the disturbance you are creating again. *I would also like to bring an other topic beside the noise. Since the beginning of the filling operation, very strong smell of exhaust pipe gas can be smelt in the residential area and I think this is a huge health concern for the local population. On certain days when the wind is blowing towards the residential areas, I have the feeling that there is a diesel engine running in my living room! I would like to know how you are planning to address this?* | Portion X | - | Closed | - |

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2012-010(3) | 15-Nov-2012 | - | EPD | Environmental (Noise, water quality & air quality) | The complainant has copied his reply from HyD dated 15 Nov 2012 to EPD and Health Department and he further complained on the following issues:<br>• Noise nuisance generated by diesel engine;<br>• Smell of exhaust pipe gas in his residence; and<br>• Suspected marine water pollution (see enclosed photo).<br>The complainant also requested EPD to install noise and air quality monitoring at Le Bleu Deux estate. | WA6<br><br>Portion X | Noise from blowing horn from vessels and barges and Metallic Parts thrown on Ground<br>• Reminded the Contractor to request the captains of the vessels and barges not blowing the horn except in case of emergency or prevention of ship collisions/serious safety matters;<br>• The supervision teams would enhance their tight control on the vessels and barges working at that location, and monitor the situation and take corresponding actions; and<br>• To enhance the work force of RSS to supervise each step of construction activities and the use of hand tools until the completion of the site office erection.<br>Noise from Engines and Cranes of the Barges during Marine Operation<br>• Installation of noise covers onto the generators / motors on all working barges;<br>• Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and<br>• Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays.<br>Noise from power generators<br>• All generators shall be either screened or covered by adequate sound reducing materials;<br>• All generators situated in front of Le Bleu Deux estate will be switched off at 19:00 hrs, except two generators will be kept running up to 22:00hrs and one generator will be kept running overnight for maintaining minimum power requirement; and<br>• Arrangement with CLP Power HK Ltd (CLP) for the permanent power supply to the site offices has been chased in a matter of urgency. The use of power generators will be terminated in phase starting from 6 December 2012.<br>Exhaust Fume Emission<br>• Tight control on using the machine and generators in the vicinity of Le Bleu Deux estate; and<br>• Closely monitor the frequency on engine cleansing and replacement of dust filter.<br>Change of Sea Water in Yellow<br>• The Contractor was reminded to move their vessels and barges at areas with adequate water depth as practically as possible. | Closed | - |
| COM-2012-010(4) | 19-Nov-2012 | 22:25 hrs. | EPD | Environmental (Air quality and Noise) | The complainant filed again a complaint for the strong exhaust pipe fumes smell coming for the construction site in Tung Chung tonight as well as the extremely high level of noise as at at 10:30 pm (19/11/12). | WA6 | | | |
| COM-2012-010(5) | 24-Nov-2012<br><br>25-Nov-2012 | 13:42 hrs.<br>13:49 hrs<br><br>22:02 hrs.<br>22:08 hrs. | EPD<br>(cc to HyD)<br><br>EPD<br>(cc to HyD) | Environmental (Air quality and Noise) | The noise is coming for the following sources:<br>- power generator<br>- engines from the barges used for marine operation<br>- noise from the cranes use of the construction barges.<br>- engine from the boat used to transport staff in and out<br>- boats blowing their horn late in the evening and at night<br>Gas emissions:<br>- power generators<br>- marine operation<br>The complainant file again a complaint against the strong exhaust pipe emission flowing towards le Bleu Deux estate this afternoon 24/11/10 at 13:47. I can assure you that is it not "not that bad" whatever that means for you. And again strong noise of metallic parts being thrown on the ground. *I thought you have already sorted out that problem according to your multiple replies to my complaints since July???"*<br><br>A pictures taken this morning (25/11/12) around 9:30am-10am showing the water pollution in different area outside the floating barriers.<br><br>At 21:56 hrs., boat used by the Highway Department against blew their horn repetitively at close proximity from the residential estate. | WA6<br><br>Portion X | | | |
| COM-2012-012(1) | 13-Nov-2012 | 22:27 hrs. | HyD | Environmental (Noise) | Once again your site continues to work late. The attached photo was taken at 10.15pm on Tuesday 13 Nov. The machinery used on the barges is very noisy. Why do you continue to work till 10pm and why do you work on a Sunday. Surely this is classified as a construction site for which you are in breach of various ordinances. An early reply is appreciated. | Portion X | The following further mitigation measures during the course of the reclamation works will be taken:<br>• Installation of noise covers onto the generators / motors on all working barges;<br>• Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and<br>• Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at nighttime and Sundays. | Closed | - |
| COM-2013-015 | 17-Jan-2013 | - | EPD | Environmental (Air) | The complainant raised that construction dust was arising from construction site of China State Contruction Engineering (Hong Kong) Ltd near Siu Ho Wan Sewage Treatment Works due to insufficient dust suppression and inadequate wheel washing. | WA3 | The Contractor of HY/2011/03 would take the following actions with immediate effect<br>• To ensure no loosed earth material exposed at the edges of eth stockpiled earth materials i.e. to prevent erosion by wind and water ;<br>• To cover the stockpiled earth material by adequate tarpaulin;<br>• To enhance the frequency of watering (3 times per day) onto existing haul road and other area as appropriate; and<br>• To install a water sprinkler system to enhance the existing dust suppression measures once the water point is ready for water supply by WSD. | Closed | |
| COM-2013-016 | 18-Jan-2013 | - | EPD | Environmental (Water) | The complainant advised that turbid water and concrete/cement has been arising from the Hong Kong-Zhuhai-Macao Bridge Hong Kong Projects to marine water. The complainant did not specify the soure of the turbid water and concrete/cement. | N/A | - | Closed | - |

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2013-018 | 02-Mar-2013 | - | HyD | Environmental (Noise) | The complainant advised that "It seems that the Contractor's cranes operating on the barges are again in need of bit of lubricant, as this evening i.e. 2 March 2013, the cranes are again polluting the neighborhood with intolerable noise." The complainant requested Mr. Ng from EPD to take note of this complaint and expected a detailed report. | Portion X | The Contractor has been reminded to continue the process of applying lubricant/ grease to all barges which are to be worked in the site area near Le Bleu Deux. | Closed | - |
| COM-2013-018 (2) | 04-Mar-2013 | - | EPD | Environmental (Noise) | The complainant complained that the cranes operating on the barges for the HZMB HK project generating squeak noise in the evening of 1 March 2013 causing an annoyance to him/her. | Portion X | The Contractor implemented the following measures :<br>- Briefing given to the operator for the proper operation of marine vessels;<br>- Keep adequate routine maintenance ;<br>- Minimize the quantities of plant after 7pm; &<br>- Review the working hours of night time works and switch off all unnecessary machinery and plants at night time. | Closed | - |
| COM-2013-018 (3) | 13-Mar-2013 | - | HyD | Environmental (Noise) | The complainant asked what noise mitigation the Contractor was taking. The complainant pointed out that the noise in question was so strong that it woke up his baby girl. | Portion X | - | Closed | - |
| COM-2013-018 (4) | 22-Mar-2013<br><br><br><br><br><br>24-Mar-2013 | 14:19 hrs<br><br><br><br><br><br>10:28 hrs | HyD | Environmental (Noise) | The complainant complained that "the lifting appliance was operated gently and softly to keep the noise emission as low as possible" but the noise still woke up his baby. "Lubricant was regularly applied to smoothen all moving parts and gear wheels of the working barges" that did not seem to be the case at all.<br><br>The complainant pointed that the crane operating at 10:27 hrs on 24 March 2012 needed lubricant. | Portion X | The Contractor will keep on closely monitoring the situation and carry out the necessary noise mitigation measures while barges are working in the site area nearby residential area. | Closed | - |
| COM-2013-018 (5) | 31-Mar-2013<br><br>1-Apr-2013 | 10:25 hrs<br><br>10:32 hrs | HyD | Environmental (Noise) | The complainant complained that noise emitted from a crane at 10:19 hrs. The complainant further complained that noise was generated from a barge at 07:30 hrs. | Portion Y | - | Closed | - |
| COM-2013-018 (6), (7) & (9) | 15-Apr-2013 | 15:41 hrs | EPD | Environmental (Noise) | The complainant complained that machinery noise generated from the construction site near Tung Chung Development Pier operating for the Hong Kong-Zhuhai-Macao Bridge Hong Kong during the normal working hours on 6 April 2013 and 13 April 2013 and the late evening of 10 April 2013 causing nuisance to public. | Portion X | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours and non-restricted hours, the Contractor has implemented the following additional measures:<br>- Briefing given to the operator of the barges for proper operation of marine vessels;<br>- Operating barge by experienced operators only;<br>- Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to minimize squeak noise;<br>- Install noise covers onto noisy equipment where practicable.<br>- Remind subcontractor only well-maintained plant should be operated on-site.<br>- Minimized the quantities of plant used after 7pm as far as practicable;<br>- Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and<br>- Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time. | Closed | - |
| COM-2013-018 (11) | 28-Apr-2013 | 15:44 | EPD | Environmental (Noise) | The complainant complained that machinery noise generated from the reclamation site near Tung Chung Development Pier at around 22:00 of 28 April 2013 causing nuisance to public. | Portion X | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>- Briefing given to the operator of the barges for proper operation of marine vessels;<br>- Operating barge by experienced operators only;<br>- Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to avoid squeak noise;<br>- Install noise covers onto noisy equipment where practicable.<br>- Remind subcontractor only well-maintained plant should be operated on-site.<br>- Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and<br>- Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time. | Closed | - |

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2013-022 | 08-Apr-2013 | -- | EPD | Environmental (Water) | The complaint alleged that oil was dumped from various vessels operating for HZMB HK projects near Tung Chung Development Pier over the past few months. Photos were provided by the complainant. | Portion X | The Contractor has checked the photos provided by the complainant and confirmed that the vessels and boats shown in the photos do not belong to Contract No. HY/2011/03.As this complaint is not related to this Contract, no follow up action is required. The Contractor has reminded their subcontractors to implement the measures recommended in the Spill Response Plan (SRP) in case of accidental release of oils from vessel. | Closed | - |
| COM-2013-022(2) | 23-May-2013 | 09:15 hrs | EPD | Environmental (Water) | This complaint was a follow-up of a previous complaint received by EPD on 8 April 2013 regarding oil slicks caused by vessels. It was alleged that oil was still being dumped from various vessels operating for HZMB HK projects near Tung Chung Development Pier over the past few months. On the other hand, the complainant would also like to know whether the owners of the vessels could present engine oil disposal records for the vessels which supported the HZMB project. | Portion X | The Contractor has reminded their subcontractors to implement the measures recommended in the Spill Response Plan in case of accidental release of oils from vessel and handle the chemical waste (waste oil) in accordance with the requirements provided in the EM&A Manual. | Closed | - |
| COM-2013-023 | 02-May-2013 | -- | HyD | Environmental (Noise) | The complainant alleged that there were metal parts dropped on the ground creating noise at 12:58 on 1 May 2013 | WA6 | If there are metal handling works, the Contractor will not carry out the metal handling works in early morning in order to minimize potential noise disturbance as far as practicable in future. | Closed | - |
| COM-2013-024 | 23-May-2013 | 09:50 hrs | EPD | Environmental (Noise) | A complaint was received on 23 May 2013 regarding noise generated from dropping metal parts on numerous occasion on the pier opposite Le Blau Deux at around 08:45 to 10:00 hrs of 18 May 2013 and loading/unloading activities creating noise disturbance by the contractor of HY/2011/03. | WA6 | If there are metal handling works, the Contractor will not carry out the metal handling works in early morning in order to minimize potential noise disturbance as far as practicable in future. | Closed | - |
| COM-2013-027 | 29-Jun-2013 | 10:02 hrs | RSS | Environmental (Noise) | A complaint was received on 29 June 2013 regarding noise generated from the works area near the site office (WA6) around 10:00 hrs on 29 June 2013 | WA6 | The Contractor was recommended to minimize the potential noise impacts generated from the construction sites as far as practicable in future. | Closed | - |
| COM-2013-033 | 13-Sep-2013 | Around 22:00 hrs | RSS | Environmental (Noise) | A complaint was received regarding the noise nuisance from barge at about 22:20 hrs on 13 September 2013 and 02:30 hrs on 14 September 2013. | Portion X | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>- Minimized the quantities of plant used after 7pm as far as practicable; and<br>- Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time. | Closed | - |
| COM-2013-034 | 17-Sep-2013 | -- | HyD | Environmental (Noise) | A complaint was received on 17 September 2013 regarding the noise nuisance from tree transplanting activities in the morning of 14 September 2013. | Portion Y | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>- Minimized the quantities of plant used after 7pm as far as practicable; and<br>- Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time. | Closed | - |
| COM-2013-037 | 8-Oct-2013 9-Oct-2013 16-Oct-2013 | -- | Supervising Officer's Representative | Environmental (Noise) | The complainant complained the noise from barge operation from 21:30 to 22:30 hrs on 4 October 2013.<br>The complainant complained that several loud bangs were heard starting from 21:00 hrs on 7 October 2013.<br>The complainant complained that it was very noisy at the noon of 14 October 2013. | Portion X | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>-minimize the quantities of plant used during restricted hours as far as practicable; and<br>-regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted hours. | Closed | - |
| COM-2013-041 | 31-Oct-2013 | 21:52 hrs | EPD | Environmental (Noise) | A complaint was received on 31 October 2013 regarding the noise generated from a barge being moved by a tug boat in the morning of 31 October 2013 (around 05:55). | N/A | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>- minimize the quantities of plant used during restricted hours as far as practicable; and<br>- regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during the night-time and early morning period (7pm to 7am). | Closed | - |
| COM-2013-043 | 11-Nov-2013 | -- | EPD | Environmental (Noise) | A complaint was received on 11 November 2013 regarding a barge moving through the southern channel of HyD's construction site after 23:00 hrs on 8 November 2013. | Portion X | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>- minimize the quantities of plant used during restricted hours as far as practicable; and<br>- regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted hours. | Closed | - |

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2013-045 | 27-Dec-2013 | -- | HyD | Environmental (Noise) | A complaint was received on 27 December 2013 regarding barges operating at the south channel of Portion X in the afternoon of 26 December 2013. | Portion X | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>- minimize the quantities of plant used during restricted hours as far as practicable; and<br>- regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted hours. | Closed | - |
| COM-2014-046 | 16-Jan-2014 | 17:22 hrs | HyD | Environmental (Air Quality) | A complaint was received on 16 January 2014 regarding heavy exhausts generated at around 8 a.m. and 10 a.m. over past few months and or even midnight. | N/A | The Contractor has implemented the following measure to minimize exhaust fumes generated from machinery:<br>- Maintenance for the all machinery regularly. | Closed | - |
| COM-2014-048 | 18-Jan-2014 | -- | EPD | Environmental (Other: Blackish mud) | A complaint was received on 18 January 2014 regarding blackish mud along the edge of the construction site of Hong Kong-Zhuhai-Macao Bridge Hong Kong Project near the airport in the morning of 18 January 2014. | Portion X | Based on the investigation results, it is considered that the blackish mud raised in the complaint was not related to HKLR03 Contract. In this case, no follow up action is required. | Closed | - |
| COM-2014-050 | 24-Mar-2014 | -- | EPD | Environmental (Other: Dredged Marine Sediment) | A complaint was received by EPD on 24 March 2014. The complainant advised that there was dredged material found being mixed with soil in the construction site of Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Project in the vicinity of CAD headquarters and transported out of the site. The complainant suspected that there was improper disposal of dredged marine sediment. | Portion X | Based on the investigation results, it is considered that the complaint is invalid. In this case, no follow up action is required. | Closed | - |
| COM-2014-051 | 29-Apr-2014 | -- | SOR | Environmental (Noise) | A complaint was received on 29 April 2014 regarding loud bang coming from the site at 21:37 hrs on 28 April 2014. | Portion X | Based on the Contractor's site dairy and our investigation, no non-compliance was identified. | Closed | - |
| COM-2014-053 | 02-May-2014 | -- | EPD | Environmental (Noise) | A complaint was received by EPD on 1 May 2014. The complainant advised that there was noise nuisance arising during the evening of 1 May 2014. | Portion X | The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>- minimize the quantities of plant used during restricted hours as far as practicable; and<br>- regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours. | Closed | - |
| COM-2014-063 | 03-Dec-14 | -- | Arup | Environmental (Noise) | According to Arup's email to CSCE and DCVJV on 3 December 2014, "A resident living in Le Bleu Duex addressed a complaint to CE of HyD at about 20:04 hrs last night. He complained about the noise nuisance coming from site office since 19:30 hrs last night. epetitively metal parts had been dropped on the ground by people who seem to be loading or unloading a boat at the pier. Noise was still going on right now at 20:04." | WA6 | Based on the investigation results, it is found that the noise complaint is not related to Contract No. HY/2011/03. In this case, no follow up action is required. | Closed | - |
| COM-2014-065 | 24-Dec-14 | Nil | EPD | Environmental (Water Qulity) | A complaint was received on 24 December 2014 regarding the increase of marine refuse (water bottles and debris) along the shore from Yat Tung to Tai O, where the complainant considered might be in relation to the HZMB project(s). | Portion X | Based on the investigation results, it is considered that the complaint is unlikely related to HKLR03 Contract. Nevertheless, the Contractor is reminded to implement all recommended mitigation measures for waste management and avoid dumping rubbish into the sea. | Closed | - |
| COM-2015-066 | 08-Apr-15 | Nil | EPD (An email forwarded by Arup) | Environmental (Dust) | According to Arup's email to CSCE on 8 April 2015, the ET was informed that a complaint had been received by EPD at about 18:29 hrs on 2 Apr 2015 regarding construction dust from construction site (S15) at Kwo Lo Wan Road, Tung Chung." | S15 | Based on the Contractor's information and our investigation, no non-compliance was identified. The Contractor is reminded to continuously implement the dust suppression measures to minimize potential dust impact. | Closed | - |
| COM-2015-068 | 10-Apr-15 | Nil | EPD (An email forwarded by Arup) | Environmental (Noise) | According to Arup's email to CSCE on 10 April 2015, it is noted that EPD received a noise complaint from a resident of Caribbean Coast. According to the complainant, he was disturbed by noise from construction activities of the HZMB Project during weekends and holidays. The complainant was referring to those activities carried out between Scenic Hill and HKBCF because the complainant mentioned the contractor was China State. | N/A | Based on the information provided and our investigation, the Contractor had complied with the conditions laid down in Construction Noise Permit (CNP) Nos. GW-RS0113-15 and GW-RS0356-15. Hence, no non-compliance was identified. The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours and recommended to implement the following measures to minimize the potential noise impact during restricted hours: minimize the quantities of plant used during restricted hours as far as practicable; and regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours. | Closed | - |
| COM-2015-074 | 16-Jul-15 | Nil | EPD | Environmental (Wastewater) | According to EPD's email to Highways Department, ET, SOR and ENPO, a complaint was received on 16 July 2015 regarding wastewater splashing from vehicles to pedestrian at Tung Fai Road. The complainant complained that wastewater was splashed to people waiting at the bus stop near Civil Aviation Department Headquarters Office Building when vehicles leaving the HZMB site to Tung Fai Road. | Tung Fai Road | Based on the investigation results, it is considered that the complaint is unlikely related to HKLR03 Contract. The Contractor has been reminded to slow down their vehicles when leaving the concerned construction site. | Closed | - |

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2015-076 | 17-Jul-15 | Nil | EPD (An email forwarded by ENPO) | Environmental (Noise) | According to EPD's email to ENPO on 17 July 2015, it is noted that EPD received a noise complaint from public. The complainant said that he/she was disturbed by the noise generated from construction sites of the HZMB Project during the daytime period of past few Sundays. Afterwards, EPD contacted the complainant and confirmed that the noise was generated from construction sites along Kwo Lo Wan Road and signs of "China State Construction Engineering (HK) Ltd" were noted. | Kwo Lo Wan Road | Based on the information provided and our investigation, the Contractor complied with the conditions laid down in Construction Noise Permit (CNP) Nos. GW-RS0733-15 and GW-RS0740-15 and no noncompliance was found.<br>The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours and recommended to implement the following measures to minimize the potential noise impact during restricted hours:<br>- minimize the quantities of plant used during restricted hours as far as practicable; and<br>- regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours. | Closed | - |
| COM-2015-079 | 07-Dec-15 | Nil | ENPO (EPD referred the email from Complainant to ENPO) | Environmental (Water Quality) | According to ENPO's email to SOR and ET on 7 December 2015, a complaint was received by EPD on 2 December 2015 regarding water quality near HKLR work site. The complainant mentioned that "I moved to Tung Chung since July and it was the second time I saw similar situation polluting the sea. Last time it was even worse in red colour. Please look into this matter and let me know what was being dropped into the sea and whether it was hazardous to the sea.". EPD has contacted the complainant and obtained the additional information from the complainant. EPD suspected that the incident happened in the afternoon on 28 November 2015. | Portion X | According to the information provided by the Contractor, the derrick barge belongs to Contract No. HY/2011/03. The concerned sediment plume was likely to be caused by stirring up of mud in the seabed by the derrick barge sailed at the navigation channel situated at shallow water zone where the water depth ranging from 3.25m – 3.75m. Public fill materials were placed on the derrick barge. The barge was in good conditions with no materials being dumped into the sea. The Contractor has been implementing the mitigation measure as specified in the Implementation Schedule of Environmental Mitigation Measures that is all vessels to be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. The Contractor is recommended to arrange vessels to move out of the site area during high tide to avoid the disturbance to the seabed as far as practicable and deploy marine vessels effectively in order to minimize the number of trips and disturbance to seabed in shallow waters. | Closed | - |
| COM-2016-087 | 28-Jun-16 | Nil | EPD | Environmental (Water Quality) | According to EPD's email, a complaint was received on 28 June 2016 regarding polluted water discharge incident opposite to Tung Chung Development Pier. | N/A | The Contractor has designated competent persons to operate, check and maintain individual wastewater treatment plant as an existing control measures. In case of breakdown of wastewater treatment plants, no discharge of wastewater will be allowed until repair is completed to resume the normal operation of the treatment plant. Specific toolbox / refreshment training trainings have been providing for the staff and workers for each of the wastewater treatment plants. The Contractor has been reminded to implement the above control measures and ensure no untreated wastewater will be discharged into open channel. | Closed | - |
| COM-2016-098 | 11-Nov-16 | 16:33 | ENPO (EPD referred the email from Complainant to ENPO) | Environmental (Water Quality) | According to ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 11 November 2016, it is noted that EPD received a complaint lodged by a member of the public regarding sediment plume generated by a vessel named "長盛308 (Chang Sheng 308)" during the vessel travelling from construction site of Hong Kong- Zhuhai- Macao Bridge near Scenic Hill to Tung Chung New Development Ferry Pier. | Portion X | The Contractor has been reminded to schedule the vessel to move in / out of the construction site during higher tide and minimize number of trips to avoid the stirring up of the seabed mud when the vessel travelling in very shallow water areas as much as practicable. Also, the Contractor was reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule (EMIS). | Closed | - |
| COM-2016-099 | 02-Dec-16 | Nil | ENPO (EPD referred the email from Complainant to ENPO) | Environmental (Other: Slurry on public road) | It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 2 December 2016 that EPD received a complaint lodged by a member of the public regarding slurry on East Coast Road. The complainant considered the slurry might relate to the construction site of China Harbour Engineering Company Limited next to a hotel. | East Coast Road | During the weekly site inspection undertaken on 7 December 2016, no slurry was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03. The Contractor has constructed wheel washing facilities at all the site accesses, including the one near the site access of China Harbour Engineering Company Limited next to the Marriott Hotel (which is believed to be the hotel mentioned by the complainant), to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or other debris would be brought to the public area. In addition, regular watering is conducted by water truck at least twice per day at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 to minimize dust emission. Based on the investigation results, it is considered that the complaint unlikely related to Contract No. HY/2011/03. Notwithstanding that, the Contractor has been reminded to clean wheels and body of vehicles as usual before allowing them to leave construction site. | Closed | - |
| COM-2016-100 | 14-Dec-16 | Nil | ENPO (Contract No. HY/2010/02 project team received an environmental complaint referred by Government's hotline (1823) on 2 December 2016. ENPO forwarded the Complaint to Contract No. HY/2011/03.) | Environmental (Other: mud/ derbris on public road) | It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 14 December 2016 that EPD received a complaint lodged by a member of the public regarding mud/debris on public road. The complainant complained that "the whole stretch of East Coast Road & Tung Fai Road is truly disgusting. The stone debris big and small and the mud is a nuisance to those who use the road every day. When dry there is a lot of dust and when it rains or when the road washing trucks are out it becomes a muddy mess. Cars and pedestrians are covered in dust or mud, cars are hit by stones is a daily hazard. Washing of construction vehicles is inadequate as the sand and soil is carried out onto the roads. Oversight of road conditions are not carried out by the Airport Authority. An alternative route should be created for the large number of construction vehicles as they drive fast.". | East Coast Road and Tung Fai Road | During the ET's inspection on 7 December 2016 (weekly routine inspection) and 16 December 2016, no mud or debris was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 as well as the section of Tung Fai Road leading to the site access of Contract No. HY/2011/03. The Contractor provided wheel washing facilities at all the site accesses, including the one accessing East Coast Road and the one accessing Tung Fai Road, to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. It was observed that the areas of the wheel washing facilities and the respective road section between the wheel washing facilities and the site accesses of East Coastal Road and of Tung Fai Road were paved with concrete. High pressure jets were also provided at the wheel washing facilities for cleaning of vehicles before the vehicles were allowed to leave the construction site. In addition, regular watering at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 was conducted by water trucks at least twice per day to minimize dust emission. Based on our investigation result, it is considered that the complaint is unlikely related to Contract No. HY/2011/03. Notwithstanding that, the Contractor has been reminded to clean the wheels and body of vehicles as usual before allowing them to leave construction site. | Closed | - |
| COM-2016-103 | 14-Dec-16 | Nil | ENPO (EPD referred the email from Complainant to ENPO) | Environmental (Noise) | It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 14 December 2016 that EPD received a noise complaint lodged by a member of public. The complaint was about hammering noise generated from construction sites at midnight in the past month. The complainant could not identify the source but suspected that the noise was generated from HZMB Project. It was also noted from ENPO's email on 21 December 2016 that EPD supplemented that the complainant lives in Seaview Crescent. The complainant sometimes heard noise created by impacting metals or metal/ground, particularly in December 2016. | N/A | The Contractor confirmed that no hammering works was conducted and no impact noise was generated at midnight in November 2016 and December 2016. The Contractor complied with the conditions laid down CNP No. GW-RS740-16 and no non-compliance was found. Based on our investigation result, it is considered that the complaint is unlikely related to Contract No. HY/2011/03. In this case, no follow up action is required. However, the Contractor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours:<br>- minimize the number of machinery and plant used during restricted hours as far as practicable;<br>- regularly review the working duration for restricted hours works; and<br>- switch off all unnecessary machinery and plant during restricted hours. | Closed | - |

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2017-104 | 09-Jan-17 | Nil | IEC (EPD referred the email from Complainant to IEC) | Environmental (Other: Cleanliness problem at East Coast Road and Tung Fai Road) | It was noted from IEC's email to the Environmental Team, Supervising Officer's Representative and Contractor on 9 January 2017 that EPD received a complaint lodged by a member of the public (a bus operator at the HKIA) regarding cleanliness problem at East Coast Road and Tung Fai Road. | East Coast Road and Tung Fai Road | During the ET's inspection on 10 January 2017, it was observed that the Contractor provided wheel washing facilities at all the site accesses, including the one accessing East Coast Road and the one accessing Tung Fai Road, to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. No mud was observed at the section of Tung Fai Road leading to the site access of Contract No. HY/2011/03. However, some mud was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03. Based on our investigation result, although there is no direct evidence showing that the complaint is related to Contract No. HY/2011/03, the Contractor has been reminded to clean the wheels and body of vehicles as usual before allowing them to leave construction site. Road sweeper will be employed to sweep along the East Coast Road twice per week and remove the deposited mud underneath the water-filled barrier to facilitate the road-washing water to be drained away from the carriageway. It should be of note that the ground level of site boundary of HY/2011/03 adjoining the East Coast Road is lower than that of East Coast Road and the Site of HY/2011/03 receives unidirectional flow of surface runoff from the East Coast Road.<br>In addition, the following measures will be implemented to enhance dust suppression:<br>1. Stockpile along East Coast Road will be reduced in height and compacted as far as practicable<br>2. Haul road will be demarcated to prevent vehicles from going into non-wetted surface.<br>3. Site access S16 will be thoroughly cleaned and all vehicles will be stopped for second washing after being washed in the wheel washing bay.<br>4. Water sprinklers will be installed and operated at the stockpiles behind the water-filled barriers along East Coast Road. | Closed | - |
| COM-2017-108 | 23 February 2017 and 2 March 2017 | Nil | Airport Authority Hong Kong (AAHK) via SOR / Referred to ENPO by HyD | Environmental (Air quality, Water quality and Other: Cleanliness problem at East Coast Road) | AAHK stated in their email to SOR on 23 February 2017 that there was sand/muddy water accumulating along the water barriers at East Coast Road Southbound. AAHK also lodged a complaint to HyD, which HyD referred to ENPO on 1 March 2017 (received by ET on 2 March 2017). AAHK reported that the cleanliness of East Coast Road remained unsatisfactory with dust all over the water barriers/traffic aids, and sands accumulating along the carriageway. | East Coast Road | During ET's observation on 3 and 13 March 2017, properly functioning wheel washing facilities were provided to wash all vehicles prior to leaving the site. The section of road between the wheel washing facilities and the site access (S25) was hard paved and no mud/ silt was observed at the concerned road section and the site access. As the ground level of site boundary of HY/2011/03 adjoining the East Coast Road is lower than that of East Coast Road, the possibility of muddy water seepage from S25 to East Coast Road is low.Based on our investigation result, the complaint is unlikely to be related to Contract No. HY/2011/03. Nevertheless, the Contractor has been reminded to strictly upkeep the proper practice of washing all vehicles leaving the site access (S25). Also, the Contractor has raised the majority of the temporary traffic signs to a higher level to avoid muddy water splashing on them. Also, the temporary traffic signs will be cleaned regularly. | Closed | - |
| COM-2017-112 | 27 March 2017 | Nil | ENPO (EPD referred the email from Complainant to ENPO) | Environmental (Noise and Water quality) | It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 28 March 2017 that EPD received a noise complaint lodged by a resident of Century Link on 27 March 2017. The complaint was about "昨晚 (i.e. 26 March 2017)<br>大約十時起，屋外間歇有非常響亮聲音，經觀察應該是從港珠澳大橋近人工島的工程發出，噪音一直至深夜。另今早發現住處對出海面受到一大遍污染（見相片）。以上都應該是大橋工程所造成的污染"i.e. "At around ten o'clock last night (i.e. 26 March 2017), there was intermittent very loud voice outside. According to observation, the noise should be from the Hong Kong-Zhuhai-Macao Bridge project near the artificial island, the noise lasted until late at night. In this morning, there was a plume of pollution found on the sea (see photo). These should be caused by the bridge project.". | Nil | Based on the information provided by the Contractor and our investigation, it was concluded that the Contractor had complied with the conditions laid down in CNPs No. GW-RS-1135-16 and GW-RS0016-17 and that no non-compliance on water quality was found. It is considered that the complaint is unlikely related to Contract No. HY/2011/03. In this case, no follow up action is required. However, the Contractor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours:<br>- minimize the number of machinery and plant used during restricted hours as far as practicable;<br>- regularly review the working duration for restricted hours works; and<br>- switch off all unnecessary machinery and plant during restricted hours.<br><br>The Contractor was also reminded to schedule, according to the predicted tides of the Hong Kong Observatory, their working vessels to travel to and from work site at high tide in order to reduce the sediment plume at shallow water areas. | Closed | - |
| COM-2017-113 | 20-Apr-17 | Nil | ENPO (EPD referred the email from Complainant to ENPO) | Environmental (Water quality) | It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 20 April 2017 that EPD received a complaint on 19 April 2017 lodged by a green group. The complaint was about "本會XXX投訴港珠澳大橋承辦商於２０１５年設置隔泥網的方向不當，產生污染。而圖片是由路政署提供，是真確圖片。本會期望環保署調查圖片中的情況，並對承辦商作出警告，以及要求承辦商準確放置現時的隔泥網，確保其雙重設計是有效。" | Portion X | Based on the information provided by the Contractor and ET's investigation, It was suspected that the concerned silt plume may be caused by sea current. There was no evidence that the concerned silt plume was caused by any activities arising from the Contract. The Contractor was reminded once again to implement the mitigation measure as specified in the Implementation Schedule of Environmental Mitigation Measures. The Contractor is also recommended to fully and properly maintain the silt curtain throughout the works in accordance with the requirements in the Updated EM&A Manual through undertaking monthly measurement on the overlapping and separation openings for vessels access for prompt rectification. | Closed | - |
| COM-2016-095(3) | 27-May-17 | Nil | SOR (HyD referred the email from Complainant to SOR) | Environmental (Noise) | It was noted from SOR's email to the Environmental Team and Contractor on 26 May 2017 that HyD received a complaint on 12 May 2017 lodged by a member of public. The complaint was about "We'd like to follow up on this case. Pls help take pictures & point out to us where your noise barriers are located. If those seen in the attached pics are so-called noise barriers, then we believe the contractor needs a lot of improvement in helping to reduce this noise pollution". | Near Dragonair / CNAC (Group) Building (HKIA) | Upon the receipt of the complaint in May 2017, the Contractor had been instructed to immediately install additional noise barriers at the appropriate location and cover the breaker tip with acoustic materials as noise mitigation measure against the noise emission associated with the aforesaid construction activities. Moreover, the noise barriers have been located as close as possible to the noise source (rock breaking work). Also, gaps and openings at joints in the barrier material have been minimized.<br><br>The rock breaking work was completed on 31 May 2017 and the rock breaking machine had been demobilized off site. According to information from Contractor, removal C&D materials will be carried out at the site near CAD and CNAC buildings in the future. As such, noise nuisance generated from a site will be minimized. Notwithstanding that, the Contractor has been reminded to implement noise mitigation measures on the site to minimize any potential nuisance to the public.<br><br>Based on our investigation result, it is considered that the complaint is likely related to Contract No. HY/2011/03. The Contractor has implemented the following measures to minimize the potential noise impact:<br>- Additional noise barriers have been erected in the active working area to further mitigate the associated noise emissions as far as practicable;<br>- Cover the breaker tip with acoustic material.<br>- Noise barriers have been located as close as possible to the noise source. Also, gaps and openings at joints in the barriers material have been minimized.<br>- Speed up of construction works in order to shorten the duration noise impact/nuisance to the surrounding.<br>- Minimize the quantities of noisy plant as far as practicable.<br>- Regular review of working duration and switch off all unnecessary machinery and plant. | Closed | - |

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2016-095(4) | 15-Aug-17 | Nil | HyD | Environmental (Noise) | HyD received a complaint concerning the rock breaking works near CNAC Buildings, as described below: "I am writing to let you know re-captioned works interrupted seriously our staff daily office works. Understand the rock encountered was much stronger than the original expected, the rock breaking works near CNAC Tower has been never ending. Recently a bulldozer is working nearby and no noise barriers/sound proofs were set up. Please take corrective action asap. Kindly advise us when this bulldozing work is scheduled to complete." | Near Dragonair / CNAC (Group) Building (HKIA) | The major rock breaking works near CNAC Tower were substantially completed on 31 May 2017. However, survey record revealed that minor rock breaking/trimming work was required at the formation level for the construction of box culvert no. PR14. Hence, the Contractor used a hydraulic breaker for minor rock breaking/trimming work in the afternoon on 15 August 2017. According to the photos provided by the complainant, movable noise barriers were not located near the noise source (rock breaking/trimming work). As such, noise generated by rock breaking/ trimming work was not efficiently screened by the noise barriers. According to the Contractor's records and the photos provided by the complainant, no bulldozer was used at PR14 on 15 August 2017. In addition, no bulldozing work is scheduled at PR14 in near future.<br><br>ET conducted an investigation on 16 August 2017. The minor rock breaking/ rock trimming work was completed. Only one excavator was operating for forming the haul road at the concerned location. No significant noisy activity was observed during the investigation on 16 August 2017. Also, bulldozer was not observed on the site.<br><br>Based on our investigation result, it was likely that concerned noise emission was due to the minor rock breaking/ trimming works by the hydraulic breaker. It is considered that the complaint is likely related to Contract No. HY/2011/03. According to Contractor's information, no substantial rock breaking works will be conducted at near CNAC Tower. Only minor rock breaking/ trimming work may be occasionally conducted at the concerned work area. The Contractor has been recommended to implement the following measures to minimize the potential noise impact when minor rock breaking/ trimming work to be conducted:<br>- Schedule noisy work (i.e. rock breaking) during non-office hours as far as practicable subject to actual site progress;<br>- Cover the breaker tip with acoustic material;<br>- Locate noise barriers as close as possible to the noise source. Also, gaps and openings at joints in the barriers material should be minimized;<br>- Regular review of working duration and switch off all unnecessary machinery and plant;<br>- Speed up of construction works in order to shorten the duration noise impact/nuisance to the surrounding; and<br>- Minimize the quantities of noisy plant as far as practicable. | Closed | - |
| COM-2017-122 | 03-Oct-17 | Nil | 1823 Integrated Call Centre received a complaint lodged by a member of the public on 30 September 2017. SOR referred the complaint details from 1823 - HyD to ET on 3 Oct 2017 | Environmental (Other: Cleanliness problem at Tung Fai Road) | 1823 Integrated Call Centre received a complaint lodged by a member of the public regarding cleanliness problem at Tung Fai Road, as described below:<br>"投訴大嶼山赤鱲角東輝路<br>11號港龍大廈對出，巴士站附近，是港珠澳大橋地盤其中一個出入口，經常有大量重型工程車輛進出地盤。每逢有巴士或重型車輛經過時，路面沙塵揚起引起"沙塵暴"，等候巴士的乘客便遭殃。以前有灑水車噴水減低沙塵，現在灑水車都沒有出現。 要求部門改善沙塵問題。 " | S16 | During the ET's inspection on 3 October 2017, it was observed that the Contractor did provide wheel washing facility with high pressure jets at the site access S16 at Tung Fai Road to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. It was also observed that the Contractor did provide water bowser to thoroughly clean Tung Fai Road. No mud was observed at the section of Tung Fai Road leading to the site access S16 of Contract No. HY/2011/03. Another inspection was conducted on 12 October 2017, the section of the road between the wheel washing facility and the site access S16 was hard paved and no mud/silt was observed at the concerned road section and the site access S16.<br><br>Although Contract No. HY/2011/03 is the only construction site connecting to the Tung Fai Road and the mentioned bus stop, wheel washing facility with high pressure jets is provided at the site access S16 to wash and clean all vehicles before allowing them to leave the construction site. No mud or debris would be brought to the public area. Therefore, there is no direct evidence showing that the complaint is related to Contract No. HY/2011/03. Nevertheless, in order to enhance dust suppression measures, the Contractor will increase the frequency of road cleaning by water bowser from three times per day to four times per day, subject to regular review with relevant stakeholders in the vicinity. | Closed | - |
| COM-2017-129 | 08-Jan-18 | Nil | ENPO's email to the Supervising Officer's Representative and Contractor on 8 January 2018 that HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017 | Environmental (Other: Cleanliness problem at East Coast Road ) | HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017. The complaint details are described below:<br>"投訴人投訴於大嶼山東岸路，因港珠澳大橋工程的沙塵問題，部門安排了有關洗街車及吸塵車處理有關沙塵問題，但有關車輛就上述問題的處理成效未如理想。投訴人表示洗街車在清洗有關路面時，只是向路面灑水，令原本的沙塵變成泥漿，但卻沒有清理有關泥漿，道路問題根本沒有根治。另外，有關吸塵車的隔濾亦未如理想，吸塵車吸了地上的沙塵後所噴出來的氣體佈滿沙塵，以致有關沙塵除了未被吸走外，更導致道路沙塵滾滾。要求部門監察有關承辦商，煩請部門跟進及回覆 。" | East Coast Road | Based on our investigation result, there is no direct evidence showing that that the complaint is related to Contract No. HY/2011/03. The Contractor has been reminded to implement the following measures to minimize dust impact/ improve cleanliness at East Coast Road:<br>• display notice at site access to remind drivers to wash the wheels thoroughly before leaving the site.<br>• manual control by rope stopping vehicles entering public road without wheel washing.<br>• provide training for drivers to ensure that they can use water truck and road sweeper properly for road washing.<br>• close monitor on the proper functioning of the road sweeper and water truck and provide maintenance to water truck and road sweeper if necessary.<br>• implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule as per the EM&A Manual.<br><br>ET will also step up the site inspections to ensure the cleanliness of the concerned section of East Coast Road is properly maintained. | Closed | - |
| COM-2018-132 | 13, 14 February 2018 | Nil | HyD (SOR referred the email from HyD to Contractor and ET) and EPD (ENPO referred the email from EPD to SOR, SOR sent the email to Contractor and ET) | Dust, Water Quality, Construction Waste, Noise and vibration | The complaint was received from the SOR's email on 13 February 2018 with the following details:<br>*"We have witnessed increased construction activities causing concerns such as nuisance, air and water pollution, construction waste landfill which may cause health and safety to the surroundings.*<br>*Nuisance – construction noise and vibration*<br>*Air and Water Pollution – poor dust control causing air pollution*<br>*Construction Waste Landfill Hill – increased height, size and degree of the slope of the construction waste landfill*<br><br>*Moreover, we are particularly concerned with the stability of the construction waste landfill hill, and has grown taller and larger in size with steep slopes which may cause potential danger and hazardous to the surrounding area.*<br><br>*It is appreciated that if you can investigate on the issue, and rectify the situation to a safe and healthy condition. Please confirm when and how the rectification will be completed."*<br><br>Another complaint to EPD was received from the SOR's email on 14 February 2018. The complaint was the same as the abovementioned with two figures showing the location of Dragonair & CNAC (Group) Building and Cathay Dragon House. | Near Dragonair / CNAC (Group) Building (HKIA) | Based on our investigation result, the complaint was related to Contract No. HY/2011/03. The Contractor has implemented Environmental Mitigation Implementation Schedule as per the EM&A Manual. Also, the Contractor was reminded to remove the concerned stockpile of the fill materials as soon as possible to minimize the potential nuisance caused to the nearby sensitive receivers. | Closed | - |

**HyD Contract No.HY/2011/03**
**Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road**
**Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Complaint Register**

| Complaint No. | Received Date | Received Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Follow-ups of Complaint No COM-2018-132 | 16 March 2018 and 21 March 2018 | Nil | HyD (SOR referred the email from HyD to the Contractor and ET) and EPD (ENPO referred the email from EPD to SOR, who sent the email to the Contractor and ET) | Dust and Construction Waste, | The complaint of 16 March 2018 was addressed to HyD and its details were as follows:<br>"1) It was observed from daily photos that:<br>a. Inadequate dust suppression measures implemented.<br>b. Green tarp does not cover the entire pile of the waste land fill.<br>c. Dry soil constantly being observed, and constantly picked-up by strong gusty winds within CLK area.<br>d. Large boulders and steep slopes on waste landfill, with inadequate safety measures implemented.<br>2) It was noted that the open stockpile of construction waste landfill will be removed by the end of March 2018. Please confirm the date of completion of the removal of the stockpile.<br>3) Please advise if the slope and setting of the piles of earth complies within Building and other relevant Regulations.<br>4) The works on the site should be within a valid gazetted period, please confirm if the works are within a valid gazette period, within CLK Lot No1 Land lease or otherwise."<br><br>The complaint of 21 March 2018 was addressed to EPD and its details were as follows:<br>"Re: Large construction landfill waste outside Cathay Dragon House, CLK,<br>We refer to your letter ref: [EP3/N09/RS00004678-18] dated 09 March 2018, would like to further draw your attention to the open stockpile of construction waste landfill, and the enclosed daily photo.<br>We have continued to observe the following:<br>- Inadequate dust suppression measures implemented.<br>o Green tarp does not cover the whole of the waste landfill.<br>o Dry soil constantly observed, and constantly picked-up strong gusty winds within CLK area.<br>- Large boulders and and steep slopes on waste landfill, with inadequate safety measures implemented.<br>- Poor housekeeping of the construction site.<br>Furthermore, we would like to raise the query regarding the validity period for the occupation of the site under the current gazette.<br>It is appreciated that if you can continue to investigate on the issue, provide close monitoring of the situation, and request the contractor to rectify to a safe and healthy condition." | Near Dragonair / CNAC (Group) Building (HKIA) | Based on our investigation result, the complaint was related to Contract No. HY/2011/03. It was noted that no Action and Limit Level exceedances of 1-hr and 24-hr TSP were recorded at air monitoring station AMS6 - Dragonair Building during the period from 1 February 2018 to 30 April 2018. Part of the stockpile was observed dry during ET's site inspection on 27 March 2018. Proper watering on the stockpiles was observed undertaken afterwards. The Contractor has been continuously reminded to properly implement Environmental Mitigation Measures as per the EM&A Manual. The Contractor was also reminded to remove the concerned stockpile of the fill materials as soon as possible to minimize the potential nuisance caused to the nearby sensitive receivers. | Closed | - |
| COM-2018-142 | 29 June 2018 & 6 July 2018 | Nil | EPD (ENPO referred the email to SOR, Contractor and ET) | Noise | The complaint of 29 June 2018 was received from EPD and its details were as follows:-<br><br>EPD have recently received a complaint regarding frequent noise from construction works next to Cathay Dragon House, facing Tung Chung direction. The complaint details are described as below:<br>"We would like to raise your attention and forward a complaint regarding frequent noise from construction works next to our Cathay Dragon House, facing Tung Chung direction.<br>From the video link below, it seems like the noise is mainly from the breaking of rocks using powered mechanical equipment.<br>https://www.dropbox.com/s/634sf2p3op39s9v/IMG_3137.MOV?dl=0<br>Our colleagues at Cathay Dragon House has complaint that such disturbance has been going on for a week and works are carried out throughout the whole day.<br>Please advise whether:<br><br>1. Such noisy works have been carried out with EPD or Highways' "Approved Permit";<br>2. The noise level have been limited by your permit;<br>3. Any regular monitoring works or report have been sent to your department.<br>4. When will the work/noise stops;<br>Furthermore,<br>5. Mr Lai mentioned in your previous email 18 April 2018 that the works should have completed end April 2018. Why is the works still going on?<br>6. Mr Lo mentioned in the letter dated 11 April 2018, you would conduct site inspections. Have you noticed any non-compliance?<br><br>Your prompt response is appreciated."<br>A further complaint was received on 6 July 2018 from EPD and its details were as follows:-<br><br>"Further to our previous complaints which are in vain, we would like to continue to put forward the complaint against the noise from the construction works next to Cathay Dragon House at CLK, which has never been ceased and been causing great disturbance to the accommodations (aviation control centre) and staff within our Cathay Dragon building and CNAC tower.<br>Below is the time schedule our staff regarding the noise disturbance from the site which is frequent and continuous.<br><br>Date Time<br>3 July 2018 8:30am – 11:30am, 1:30pm – 5:30pm<br>4 July 2018 8:30am – 11:30am, 1:30pm – 5:30pm<br>5 July 2018 8:30am – 11:30am, 1:30pm – 5:30pm<br><br>Please advise what has been your action upon this matter. This has been intolerable for months. If there is nothing that your depts., can impose to stop the disturbance, we may need to seek other alternative complain channel.<br><br>Your immediate action on this matter is highly appreciated."<br><br>"We would like to get your urgent attention to the noise nuisance matters that is occurring outside Cathay Dragon House (facing seaside Tung Chung). There have been extreme noisy works conducted, without proper noise mitigation matter, with noise DB levels reaching 70-100dB, and is seriously affecting our company operations.<br><br>Please urgently attend to the matter and advise further on the email below, and implement the proper noise reducing and mitigation procedures. | Near Dragonair / CNAC (Group) Building (HKIA) | Based on our investigation result, the complaint was related to Contract No. HY/2011/03. The Contractor has implemented Environmental Mitigation Implementation Schedule as per the EM&A Manual, such as cover the breaker tip with muffler; minimize the quantities of noisy plant as far as practicable. Although the rock breaking works outside the Cathay Dragon House/ Dragonair & CNAC (Group) Building were completed on 9 July 2018, the Contractor has been continuously reminded to properly implement Environmental Mitigation Measures as per the EM&A Manual to minimize the potential noise nuisance caused to the public/ surrounding. | Closed | - |

Remark:
1. Based on updated information received in this reporting month, the environmental complaint no. COM-2017-102 mentioned in Monthly EM&A Report for September 2017 should be COM-2017-122.

# APPENDIX L

Environmental Licenses and Permits

# Summary of Environmental Licences and Permits Application and Status

## *Environmental Permit*

| Date Application Submitted | Status | Date EP Issued | EP No. | EP Holder | Expiry Date |
|---|---|---|---|---|---|
| 04.12.2014 | VEP issued | 22.12.2014 | EP-352/2009/D | Highways Department | N/A |
| 24.03.2016 | VEP Issued | 11.04.2016 | EP-353/2009/K | Highways Department | N/A |

## *Notification of Carrying Out Notifiable Works under Air Pollution Control (Construction Dust) Regulation*

| Date Notification Submitted | Notification Ref. No. | Valid Since | Expiry Date |
|---|---|---|---|
| 25.05.2012 | 345690 | 01.06.2012 | N/A |

## *Notification of Carrying Out Notifiable Works under Air Pollution Control (Construction Dust) Regulation Form NB*

| Date Notification Submitted | Notification Ref. No. | Valid Since | Expiry Date |
|---|---|---|---|
| 31.07.2015 | 391702 | 31.07.2015 | N/A |

## *Billing Account for Disposal of Construction Waste*

| Date Application Submitted | Account No | Valid Since | Expiry Date |
|---|---|---|---|
| 01.06.2012 | 7015313 | 27.06.2012 | N/A |

## *Chemical Waste Producer Registration*

| Date Registration Submitted | Waste Producer No. | Date Registration Issued | Major Waste Type | Expiry Date |
|---|---|---|---|---|
| 20.06.2012 | 5213-950-C1169-43 | 12.07.2012 | Spent lubricating oil, spent flammable liquid (diesel), surplus paint, spent organic solvent and their containers, spent batteries, soil containing mineral oil | N/A |

### *Wastewater Discharge License*

| Item No. | Date Application Submitted | Area Applied | Status | Expiry Date |
|---|---|---|---|---|
| 1 | 22.06.2012 | Site Office for Supervising Officer (WA6) | Application Ref. No. 346651<br>Letter from the EPD (Ref: EP/RS/0000346267) dated 19.07.2012 confirming that license under WPCO is not required. | N/A |
| 2 | 02.08.2017 | Site Office for China States (WA6) | Application Ref. No. 419562<br>Water Discharge License WT00029546-2017 was granted on 13 Nov 2017 | Valid until 30 Sept 2022 |
| 3 | 04.01.2018 | WA 3 | Application Ref No.356237<br>Water Discharge License Ref. WT00030320-2018 was granted on 15 Feb 2018 | Valid until 31/03/2023 |
| 4. | 15.01.2013 | WA 4 | Application Ref No. 356240<br>Water Discharge License Ref. WT00016158-2013 was granted on 30 July 2013 and was surrendered on 24 May 2018. | N/A |
| 5 | 04.01.2018 | Airport Road (Southern) | Application Ref No. EP/RS/0000354266<br>Water discharge license Ref. WT00032071-2018 was granted on 23 Oct 2018. | Valid until 30/04/2023 |
| 6 | 04.01.2018 | Airport Road (Northern) | Application Ref No. EP/RS/0000354018<br>Water discharge license Ref. WT00031778-2018 was granted on 23 Oct 2018. | Valid until 30/04/2023 |
| 7 | 10.03.2017 | WA7 | Application Ref. No. 414487<br>Water Discharge License Ref. WT00027958-2017 was surrendered on 1 Feb 2018 | N/A |

### *Construction Noise Permit*

| Item No. | Date Application Submitted | Works Area Applied | Description | Status | CNP No. | Validity of CNP | |
|---|---|---|---|---|---|---|---|
| | | | | | | From | To |
| 1. | 21.03.2018 | WA4 | Loading/ Unloading of stockpiles | CNP issued on 28.03.2018 | GW-RW0122-18 (The CNP was surrendered on 1 Jun 2018) | 03.04.2018 0000 | 02.10.2018 2400 |
| 2. | 21.03.2018 | WA3 | Stockpiling/ wastewater treatment | CNP issued on 28.03.2018 | GW-RS0281-18 (Expiry) | 06.04.2018 1900 | 02.10.2018 2400 |
| 3. | 21.09.2018 | WA3 | Stockpiling/ wastewater treatment | CNP issued on 05.10.2018 | GW-RS0904-18 | 09.10.2018 1900 | 04.04.2019 2400 |
| 4. | 17.05.2018 | All Works Area | All Works | CNP issued on 17.05.2018 | GW-RS0395-18 | 21.05.2018 0000 | 20.11.2018 2400 |

# APPENDIX M

Implementation Schedule of Environmental Mitigation Measures

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| ***Air Quality*** | | | | | | | |
| S5.5.6.1 | A1 | 1) The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation | Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria. | Contractor | All construction sites | Construction stage | √ |
| S5.5.6.2 | A2 | 2) Proper watering of exposed spoil should be undertaken throughout the construction phase:<br>• Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;<br>• Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;<br>• A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones.<br>• The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;<br>• Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; | Good construction site practices to control the dust<br>impact at the nearby<br>sensitive receivers to within the relevant criteria. | Contractor | All construction sites | Construction stage | √ |
| S5.5.6.2 | A2 | • When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; | Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria. | Contractor | All construction sites | Construction stage | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| S5.5.6.2 | A2 | • The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials;<br>• Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously;<br>• Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;<br>• Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding;<br>• Any skip hoist for material transport should be totally enclosed by impervious sheeting;<br>• Every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides; | Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria. | Contractor | All construction sites | Construction stage | Partially implemented |
| S5.5.6.2 | A2 | • Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed;<br>• Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and<br>• Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies. | Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria. | Contractor | All construction sites | Construction stage | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| S5.5.6.3 | A3 | 3) The Contractor should undertake proper watering on all exposed spoil (with at least 8 times per day) throughout the construction phase. | Control construction dust | Contractor | All construction sites | Construction stage | √ |
| S5.5.6 | A5 | 5) Implement regular dust monitoring under EM&A programme during the construction stage. | Monitor the 24 hr and 1hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria throughout the construction period | Contractor | Selected representative dust monitoring station | Construction stage | √ |
| S5.5.71 | A6 | The following mitigation measures should be adopted to prevent fugitive dust emissions for concrete batching plant:<br>• Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system;<br>• All dust-laden air or waste gas generated by the process operations should be properly extracted and vented to fabric filtering system to meet the emission limits for TSP;<br>• Vents for all silos and cement/pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system;<br>• The materials which may generate airborne dusty emissions should be wetted by water spray system;<br>• All receiving hoppers should be enclosed on three sides up to 3m above unloading point;<br>• All conveyor transfer points should be totally enclosed;<br>• All access and route roads within the premises should be paved and wetted; and<br>• Vehicle cleaning facilities should be provided and used by all concrete trucks before leaving the premises to wash off any dust on the wheels and/or body. | Monitor the 24 hr and 1hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria throughout the construction period | Contractor | Selected representative dust monitoring station | Construction stage | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| S5.5.2.7 | A7 | The following mitigation measures should be adopted to prevent fugitive dust emissions at barging point:<br>• All road surface within the barging facilities will be paved;<br>• Dust enclosures will be provided for the loading ramp;<br>• Vehicles will be required to pass through designated wheels wash facilities; and<br>• Continuous water spray at the loading points. | Control construction dust | Contractor | All construction sites | Construction stage | √ |
| ***Noise*** | | | | | | | |
| S6.4.10 | N1 | 1) Use of good site practices to limit noise emissions by considering the following:<br>• only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;<br>• machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;<br>• plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;<br>• silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works<br>• mobile plant should be sited as far away from NSRs as possible and practicable;<br>• material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. | Control construction airborne noise by means of good site practices | Contractor | All construction sites | Construction stage | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| S6.4.11 | N2 | 2) Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period. | Reduce the construction noise levels at low-level zone of NSRs through partial screening. | Contractor | All construction sites | Construction stage | √ |
| S6.4.12 | N3 | 3) Install movable noise barriers (typically density @ 14kg/$m_2$),acoustic mat or full enclosure close to noisy plants including air compressor, generators, saw. | Screen the noisy plant items to be used at all construction sites | Contractor | For plant items listed in Appendix 6D of the EIA report at all construction sites | Construction stage | √ |
| S6.4.13 | N4 | 4) Select .Quiet plants. which comply with the BS 5228 Part 1 or TM standards. | Reduce the noise levels of plant items | Contractor | For plant items listed in Appendix 6D of the EIA report at all construction sites | Construction stage | √ |
| S6.4.14 | N5 | 5) Sequencing operation of construction plants where practicable. | Operate sequentially within the same work site to reduce the construction airborne noise | Contractor | All construction sites where practicable | Construction stage | √ |
|  | N6 | 6) Implement a noise monitoring under EM&A programme. | Monitor the construction noise levels at the selected representative locations | Contractor | Selected representative noise monitoring station | Construction stage | √ |
| ***Waste Management (Construction waste)*** | | | | | | | |
| S8.3.8 | WM1 | <u>Construction and Demolition Material</u><br>The following mitigation measures should be implemented in handling the waste:<br>• Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement;<br>• Carry out on-site sorting;<br>• Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;<br>• Adopt .Selective Demolition. technique to demolish the existing structures and facilities | Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal | Contractor | All construction sites | Construction stage | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| | | with a view to recovering broken concrete effectively for recycling purpose, where possible;<br>• Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and<br>• Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005. Environmental Management on Construction Sites. to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction.<br>• In addition, disposal of the C&D materials onto any sensitive locations such as agricultural lands, etc. should be avoided. The Contractor shall propose the final disposal sites to the Project Proponent and get its approval before implementation | | | | | |
| S8.3.9-S8.3.11 | WM2 | C&D Waste<br>• Standard formwork or pre-fabrication should be used as far as practicable in order to minimise the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage.<br>• The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage. | Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal | Contractor | All construction sites | Construction stage | √ |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
| S8.2.12-S8.3.15 | WM3 | Chemical Waste<br>• Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.<br>• Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation..<br>• The storage area for chemical wastes should be clearly labeled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated.<br>• Disposal of chemical waste should be via a licensed waste collector; be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers; or be to a reuser of the waste, under approval from the EPD. | Control the chemical waste and ensure proper storage, handling and disposal. | Contractor | All construction sites | Construction stage | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| S8.3.16 | WM4 | *Sewage*<br>• Adequate numbers of portable toilets should be provided for the workers. The portable toilets should be maintained in a state, which will not deter the workers from utilizing these portable toilets. Night soil should be collected by licensed collectors regularly. | Proper handling of sewage from worker to avoid odour, pest and litter impacts | Contractor | All construction sites | Construction stage | √ |
| S8.3.17 | WM5 | *General Refuse*<br>• General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes.<br>• A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law.<br>• Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible.<br>• Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. In addition, waste separation facilities for paper, aluminum cans, plastic bottles etc., should be provided.<br>• Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including reduction, reuse and recycling of wastes. | Minimize production of the general refuse and avoid odour, pest and litter impacts | Contractor | All construction sites | Construction stage | Partially implemented |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| ***Water quality (Construction Phase)*** | | | | | | | |
| S9.11.1-S9.11.1.2 | W1 | • Mitigation during the marine works to reduce impacts to within acceptable levels have been recommended and will comprise a series of measures that restrict the method and sequencing of filling work, as well as protection measures. Details of the measures are provided below and summarised in the Environmental Mitigation Implementation Schedule in EM&A Manual.<br>• Construction of seawalls to be advanced by at least 100-200m before the filling can commence. It should be noted that the protection by advanced seawall is a dynamic process depending on the progress of the construction activities. The part of the works where such measures can be undertaken for the majority of the time includes the following locations:<br><br>- TMCLKL northern reclamation;<br>- TMCLKL southern reclamation (after formation of the nips);<br>- Reclamation filling for Portion 1 of HKLR; | To control construction water quality | Contractor | During seawall filling | Construction stage | √ |
| S9.11.1-S9.11.1.2 | W1 | • Single layer silt curtains will be applied around all works;<br>• silt curtain shall be fully maintained throughout the works. | To control construction water quality | Contractor | During seawall filling | Construction stage | Partially implemented |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| S9.11.1-S9.11.1.2 | W1 | • excess material shall be cleaned from the decks and exposed fittings of barges before the vessel is moved;<br>• all vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; and<br>• the works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site. | To control construction water quality | Contractor | During seawall filling | Construction stage | √ |
| S9.11.1-S9.11.1.2 | W1 | • Mechanical grabs shall be designed and maintained to avoid spillage and should seal tightly while being lifted;<br>• barges shall have tight fitting seals to their bottom openings to prevent leakage of material;<br>• any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes;<br>• loading of barges shall be controlled to prevent splashing of filling materials to the surrounding water.<br>• Barges shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation;<br>• adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;<br>• all vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; and<br>• the works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site . | To control construction water quality | Contractor | During seawall filling | Construction stage | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| | | into the drainage system, and to prevent storm run-off from getting into foul sewers;<br>•discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system. | | | | | |
| S9.14 | W3 | •Implement a water quality monitoring programme | Control water quality | Contractor | At identified monitoring | During construction | √ |
| ***Ecology (Construction Phase)*** | | | | | | | |
| S10.7 | E1 | •Good site practices to avoid runoff entering woodland habitats in Scenic Hill;<br>•Reinstate works areas in Scenic Hill;<br>•Avoid stream modification in Scenic Hill. | Avoid potential disturbance on habitat of Romer.s Tree Frog in Scenic Hill | Designer; Contractor | Scenic Hill | During construction | √ |
| S10.7 | E2 | •Install silt curtain during the construction;<br>•Construct seawall prior to reclamation filling where practicable;<br>•Good site practices;<br>•Site runoff control;<br>•Spill response plan. | Minimise marine water quality impacts | Contractor | Seawall, reclamation area | During construction | √ |
| S10.7 | E4 | •Watering to reduce dust generation; prevention of siltation of freshwater habitats; Site runoff should be desilted, to reduce the potential for suspended sediments, organics and other contaminants to enter streams and standing freshwater. | Prevent Sedimentation from Land-based works areas | Contractor | Land-based works areas | During construction | √ |
| S10.7 | E5 | •Good site practices, including strictly following the permitted works hours, using quieter machines where practicable, and avoiding excessive lightings during night time | Prevent disturbance to terrestrial fauna and habitats | Contractor | Land-based works areas | During construction | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| S10.7 | E6 | •Dolphin Exclusion Zone;<br>•Dolphin watching plan . | Minimize temporary marine habitat loss impact to dolphins | Contractor | Marine works | During marine works | √ |
| S10.7 | E7 | •Decouple compressors and other equipment on working vessels;<br>• Avoidance of percussive piling;<br>•Marine underwater noise monitoring;<br>•Temporal suspension of drilling bored pile casing in rock during peak dolphin calving season in May and June;<br>•Handling with care for the installation of sheet piling for reclamation site | Minimize temporary marine habitat loss impact to dolphins | Contractor | Marine works | During marine works | √ |
| S10.7 | E8 | •Control vessel speed;<br>•Skipper training;<br>•Predefined and regular routes for working vessels; avoid Brothers Islands. | Minimise marine traffic disturbance on dolphins | Contractor | Marine traffic | During marine works | √ |
| S10.10 | E9 | •Dolphin vessel monitoring;<br>• Mudflat ecological monitoring. | Minimise marine traffic disturbance on dolphins | Contractor | North Lantau and West Lantau | Prior to construction, during construction, and 1 year after operation | √ |
| ***Ecology (Operation Phase)*** | | | | | | | |
| S10.7 | E10 | •Preconstruction dive survey for corals | Minimise impacts on marine ecology | Contractor | The marine pier sites nearest to intertidal zone and along the shore of the HKLR eclamation site | Prior to marine construction works in these locations | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| ***Fisheries*** | | | | | | | |
| S11.7 | F2 | •Reduce re-suspension of sediments<br>•Good site practices<br>•Spill response plan | Minimise marine water quality impacts | Contractor | Seawall, reclamation area | During construction | √ |
| S11.7 | F3 | •Install silt-grease trap in the drainage system collecting surface runoff | Minimise impacts on marine water quality impacts | Designer | Reclamation area | During construction | √ |
| S11.7 | F4 | •Maritime Oil Spill Response Plan (MOSRP);<br>•Contingency plan. | Minimise impacts on marine water quality impacts | Management | HKLR | During operation stage | √ |
| ***Landscape & Visual (Detailed Design Phase)*** | | | | | | | |
| S14.3.3.1 | LV1 | General design measures include:<br>•Roadside planting and planting along the edge of the reclamation is proposed;<br>•Transplanting of mature trees in good health and amenity value where appropriate and reinstatement of areas disturbed during construction by compensatory hydro-seeding and planting;<br>•Protection measures for the trees to be retained during construction activities;<br>•Optimizing the sizes and spacing of the bridge columns;<br>•Fine-tuning the location of the bridge columns to avoid visually sensitive locations;<br>•Aesthetic design of the bridge form and its structural elements for HKLR, e.g. parapet, soffit, columns, lightings and so on;<br>Considering the decorative urban design elements for HKLR, e.g. decorative road lightings; | Minimise visual & landscape impact | Detailed designer | HKLR | Design stage | - |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| | | • Maximizing new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed;<br>• Providing planting area around peripheral of HKLR for tree planting screening effect. | | | | | |
| S14.3.3.1 | LV1 | • Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline.<br>• Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline.<br>• For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and<br>• reclamation (e.g. subtle colour tone and slim form for viaduct to minimize the bulkiness of the structure and to blend the viaduct better with the background environment, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment (refer to Figure 14.4.3). | Minimise visual & landscape impact | Detailed designer | HKLR | Design stage | - |
| ***Landscape & Visual (Construction Phase)*** | | | | | | | |
| S14.3.3.3 | LV2 | Mitigate both Landscape and Visual Impacts<br>G1. Grass-hydroseed bare soil surface and stock pile areas.<br>G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic.<br>G3. For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and reclamation (e.g. subtle colour tone and slim form for viaduct, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment.<br>G4. Vegetation reinstatement and upgrading to disturbed areas. | Minimise visual & landscape impact | Contractor | HKLR | Construction stage | √ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| | | G5. Maximize new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed.<br>G6. Provide planting area around peripheral of and within HKLR for tree screening buffer effect.<br>G7. Plant salt tolerant native tree and shrubs etc along the planterstrip at affected seawall.<br>G8. Reserve of loose natural granite rocks for re-use. Provide new coastline to adopt .natural-look. by means of using armour rocks in the form of natural rock materials and planting strip area accommodating screen buffer to enhance .natural-look. of the new coastline (see Figure 14.4.2 for example). | | | | | |
| S14.3.3.3 | LV3 | Mitigate Visual Impacts<br>V1.Minimize time for construction activities during construction period.<br>V2.Provide screen hoarding at the portion of the project site / works areas / storage areas near VSRs who have close low-level views to the Project during HKLR construction. | | | | | √ |
| ***EM&A*** | | | | | | | |
| S15.5-S15.6 | EM2 | 1) An Environmental Team needs to be employed as per the EM&A Manual.<br>2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures.<br>3) An environmental impact monitoring needs to be implementing<br>by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with. | Perform environmental monitoring & auditing | Contractor | All construction sites | Construction stage | √ |

# APPENDIX N

Record of "Notification of Environmental Quality Limit Exceedances" and Record of "Notification of Summons and Prosecutions"

**Contract No. HY/2011/03 -**
**Hong Kong- Zhuhai- Macao Bridge**
**Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**
**Notifications of Environmental Quality Limits Exceedances** Notification No.: 286a ver0

**Date of Notification:** 16 October 2018

**Works Inspected:** 1-hr TSP monitoring was undertaken on 16 October 2018

**Monitoring Location:** AMS5 – Ma Wan Chung Village

**Parameter:** 1-hour TSP monitoring

**Action & Limit Level (AL & LL) / Measured Level:**

| PARAMETER | STATION | AL (μg/m$^3$) | LL (μg/m$^3$) | MEASURED LEVEL, μg/m$^3$ |
|---|---|---|---|---|
| 1-hr TSP (14:47 – 15:47 hours) | Ma Wan Chung Village (AMS5) | 352 | 500 | ***362*** |
| 1-hr TSP (15:47 – 16:47 hours) | Ma Wan Chung Village (AMS5) | 352 | 500 | ***354*** |
| 1-hr TSP (16:47 – 17:47 hours) | Ma Wan Chung Village (AMS5) | 352 | 500 | ***370*** |

Notes: ***Bold Italic*** means AL exceedance
***Bold Italic with underline*** means LL exceedance

**Possible reason for Action or Limit Level Non-compliance:**

Three Action Level exceedances of 1-hr TSP level were recorded for monitoring period from 14:47 – 17:47 hours at AMS5 – Ma Wan Chung Village, on 16 October 2018.

According to the information provided by the Contractor, the following construction activities were undertaken at LCSD Depot, S7 and S9 which are located near AMS5 during the sampling period on 16 October 2018:

- Construction of LCSD Depot

- Reinstatement works of Kwo Lo Wan Road near S7

- Landscaping work at S9

Figure 1 shows the location of construction sites and air monitoring station AMS5. During the site visit undertaken on 16 October 2018, no fugitive dust emission was observed by ET at the construction sites near AMS5. According to information provided by the Contractor, water spraying was provided for dusty materials to maintain the entire surface in a damp condition and haul roads were sprayed with water by water trucks regularly.

Except the exceedances recorded on 16 October 2018, no Action and Limit Level exceedances of 1-hr TSP were recorded at AMS5 on other monitoring days in October 2018 (i.e 2, 5, 11, 18, 22 and 26 October 2018).

The Air Quality Health Index (AQHI) recorded by EPD at the Tung Chung station ranged from 2 (low) to 5 (moderate) during the sampling period on 16 October 2018. The general weather condition during the monitoring period was hazy with low visibility. The hazy weather could cause higher readings of the portable dust meter. It is considered that the exceedances are not related to the construction activities of the Contract and may be caused by the weather condition.

**Actions taken/ to be taken:**

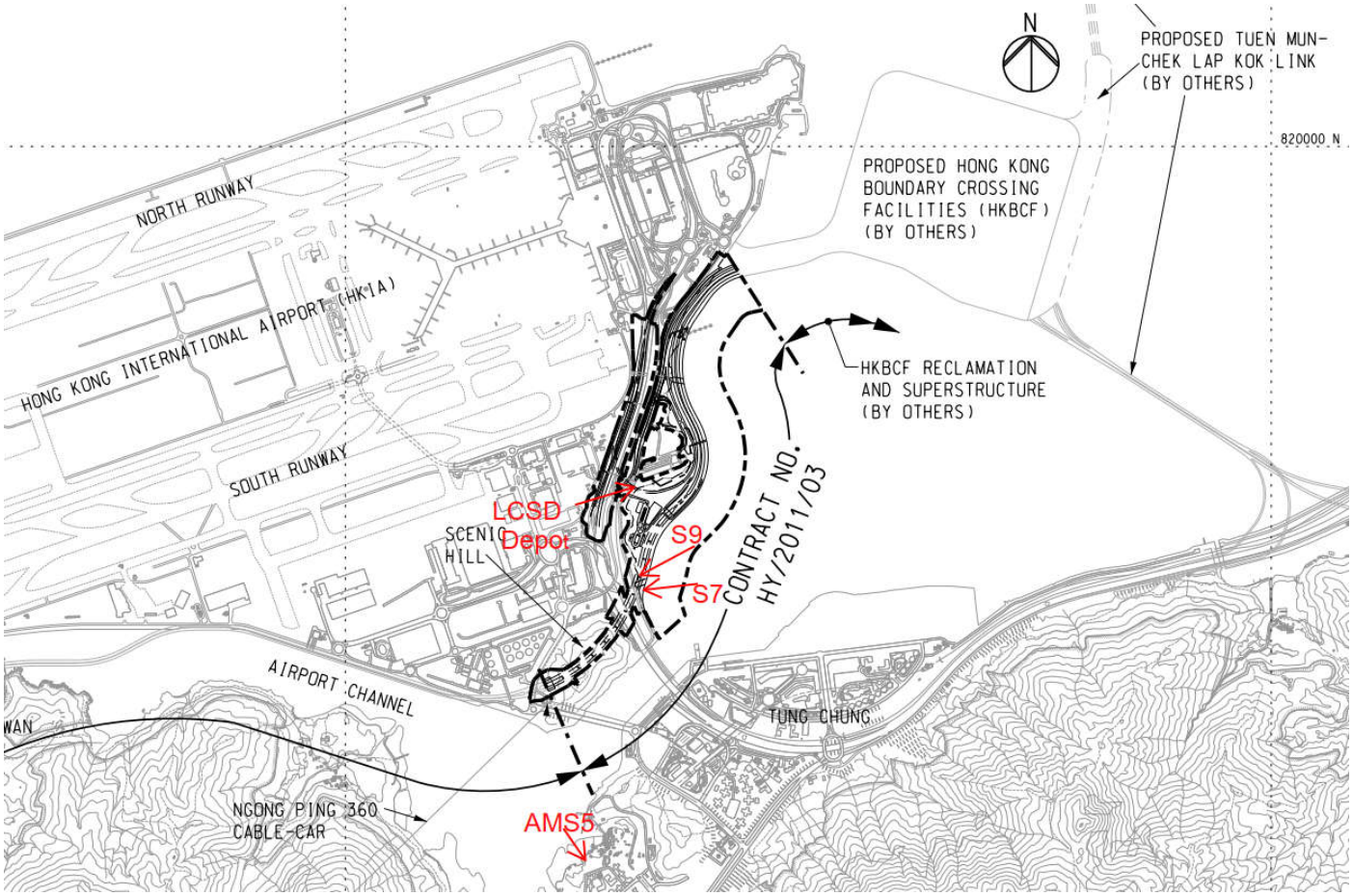
The Contractor has properly implemented dust control measures efficiently throughout the construction phase. Also, no fugitive dust emission was observed by ET on 16 October 2018 at construction sites near monitoring station AMS5. As such the exceedances recorded at monitoring station AMS5 are unlikely to be related to the Contract. In this case, no immediate actions are required. However, the Contractor is reminded to continuously implement the dust mitigation measures as specified in Environmental Mitigation Implementation Schedule (EMIS), Environmental Management Plan, Method Statements, General and Particular Specifications of this Contract throughout the construction phase.

Reviewed by : Claudine Lee Title : ET Leader

Date : 5 November 2018

Copied to : Supervising Officer, IEC/ENPO and Contractor

Figure 1 - Location of Construction Site at LCSD Depot, S7 and S9 and Air Monitoring Station AMS5



**Contract No. HY/2011/03 -**
**Hong Kong- Zhuhai- Macao Bridge**
**Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**

**Notifications of Environmental Quality Limits Exceedances** Notification No.: 287s ver 0

**Date of Notification:** 22 October 2018

**Works Inspected:** Data collected from water sampling works on 10 October 2018 and the test report was issued on 19 October 2018.

**Monitoring Location:** Water Quality Monitoring Station

**Parameter:** ~~Dissolved Oxygen (DO)~~/ Suspended Solid (SS)/ ~~Turbidity (TURB)~~

**Action & Limit Level (AL & LL) / Measured Level:**

| PARAM | STATION | DEPTH | AL (mg/L) | LL (mg/L) | MEASURED AT MID-EBB TIDE (mg/L) | MEASURED AT MID-FLOOD TIDE (mg/L) |
|---|---|---|---|---|---|---|
| SS | IS10(N) | DA | **23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 8.95 x 120% = **10.7** for mid ebb; CS(Mf)5: 8.40 x 120% = **10.1** for mid flood) | **34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 8.95 x 130% = **11.6** for mid ebb; CS(Mf)5: 8.40 x 130% = **10.9** for mid flood) | 7.2 | ***25.1*** |

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***Bold Italic with underline*** means LL exceedances.

**Possible reasons for Action Level Non-compliance:**

On 10 October 2018, an Action Level exceedance of suspended solid was recorded at station IS10(N) during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. The ranges of suspended solid at station IS10 during the baseline monitoring are shown as below:

| Station | Range of Suspended Solid (mg/L) Mid-Ebb Tide | | | Range of Suspended Solid (mg/L) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |

   The measured value for mid-flood tide at station IS10(N) was above the range of suspended solid for mid-flood tide during baseline monitoring.

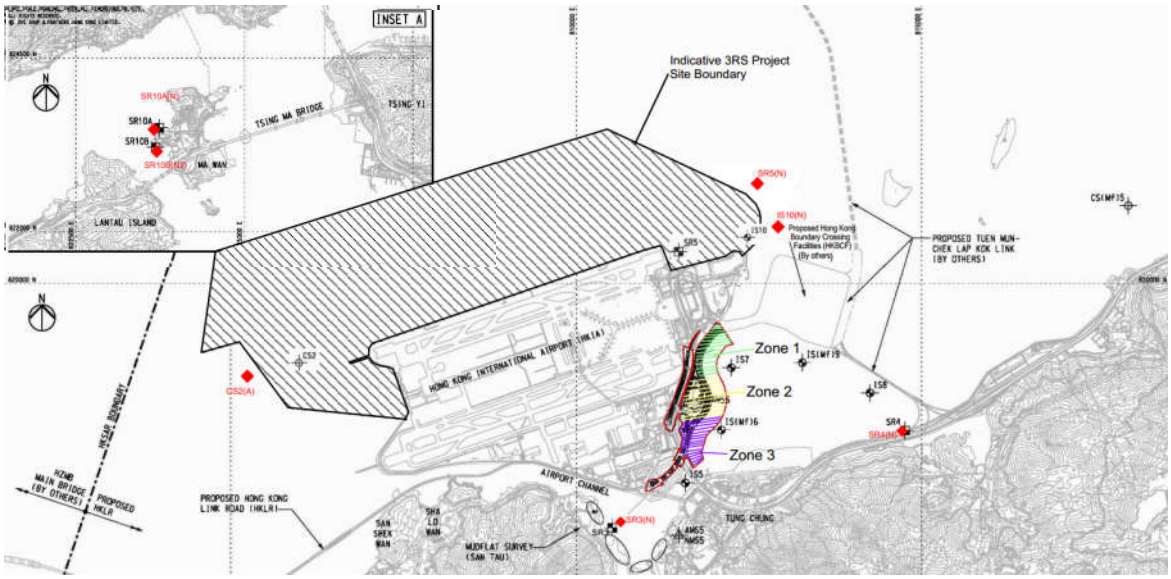
2. According to the information provided by the Contractor, land based transportation of rock material at Zone 3 were carried out on 10 October 2018. There was no marine transportation near station IS10(N) during sampling period and no marine works were conducted near station IS10(N) which is located outside the site boundary of HKLR03 Contract.
3. 
3. Water appearance was observed clear at station IS10(N) and no abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

**Location Plan:**




Reviewed by: Claudine Lee Title : ET Leader

Date : 5 November 2018

Copied to: Supervising Officer, IEC/ENPO and Contractor

**Summary of Notifications of Summons and Prosecutions**

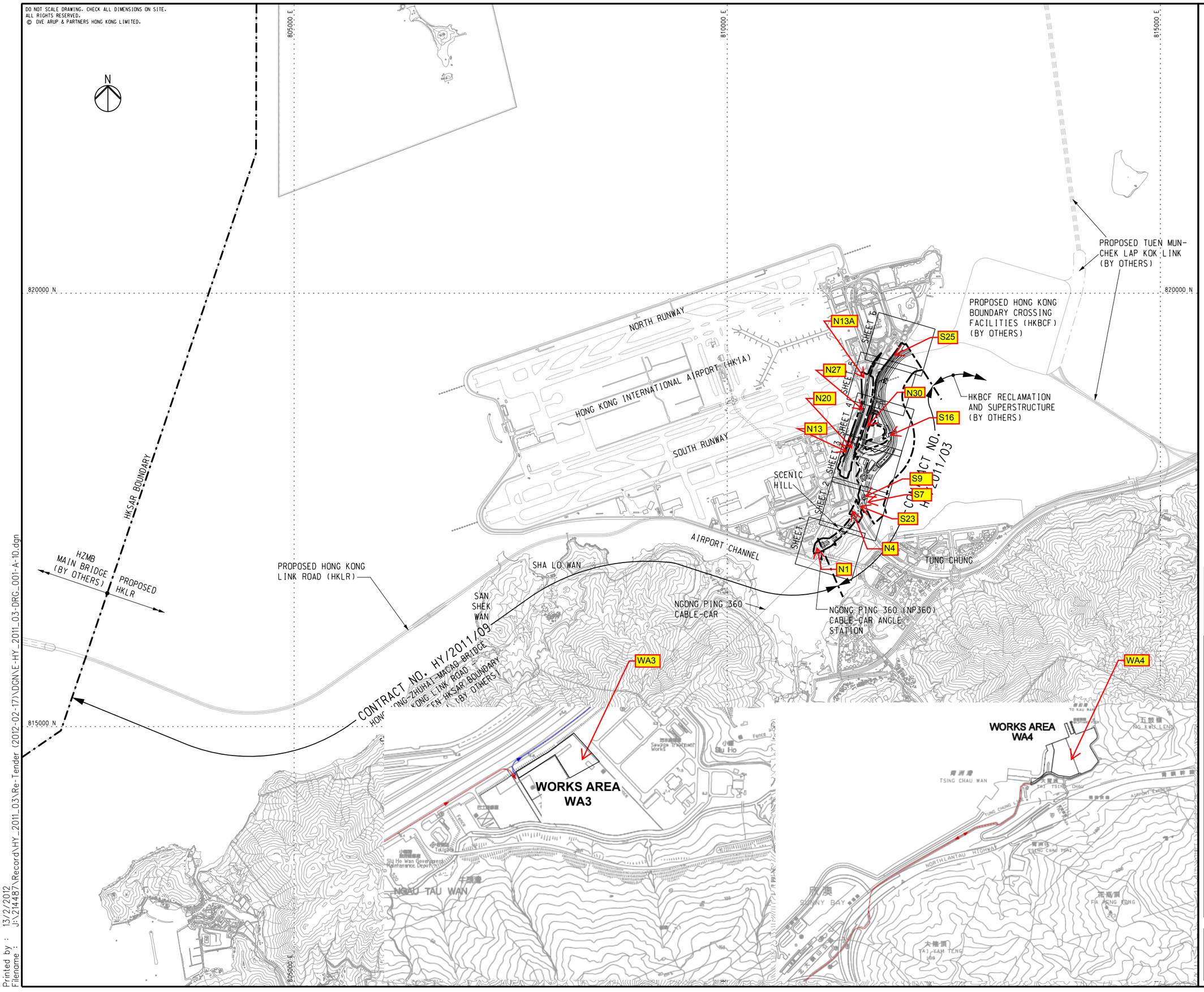
| Total No. of Notifications of Summons / Prosecutions Received | No. of Notifications of Summons / Prosecutions Received during Reporting Period | Status of Notifications of Summons / Prosecutions |
|---|---|---|
| 0 | 0 | N/A |

# APPENDIX O

Location of Works Areas

N

805000 E
810000 E
815000 E
820000 N
815000 N




## NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NOS. 214487/2/T/002 - 007.

## LEGEND

SITE BOUNDARY

| Rev | Description | By | Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| A | TENDER ISSUE | IL | 02/12 |

Consultant
ARUP 奧雅納工程顧問 Ove Arup & Partners Hong Kong Limited

Contract No. and Title:
Contract No. HY/2011/03
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title
GENERAL LAYOUT
KEY PLAN

| Drawing no. | | Rev. |
|---|---|---|
| 214487/2/T/001 | | A |
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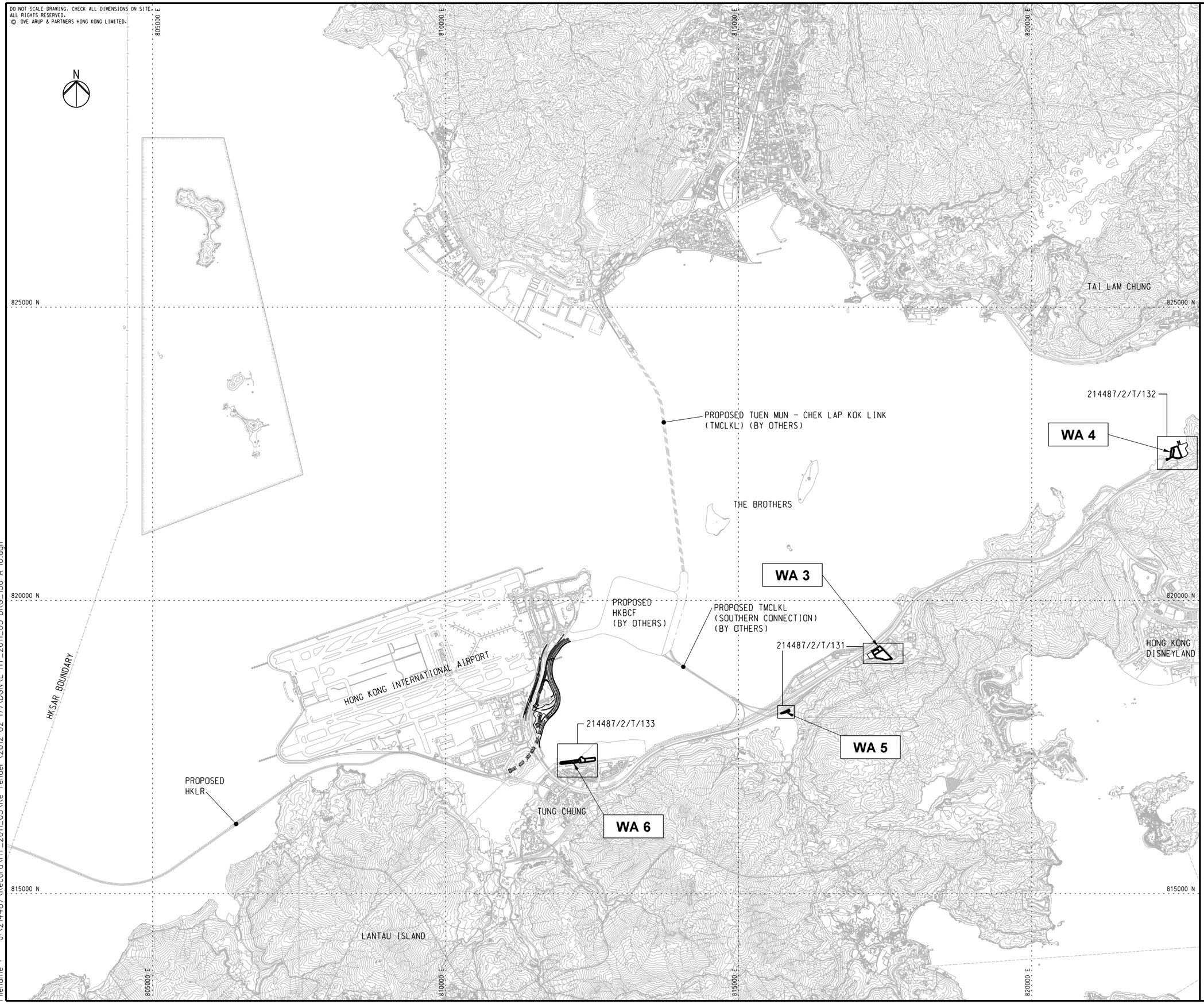


NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NOS. 214487/2/T/131 - 133.

| Rev | Description | By | Date |
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Consultant

ARUP 奧雅納工程顧問 Ove Arup & Partners Hong Kong Limited

Contract No. and Title:

Contract No. HY/2011/03

Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title

# WORKS AREAS KEY PLAN

| Drawing no. | | Rev. |
|---|---|---|
| 214487/2/T/130 | | A |
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N

WORKS AREA
WA3

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N

**WORKS AREA**
**WA4**

倒扣灣
TO KAU WAN

船廠碼頭
SHIPYARD PIER

五鼓嶺
NG KWU LENG

新舖咀
SAN PO TSUI

青洲灣
TSING CHAU WAN

大青洲
TAI TSING CHAU

青嶼幹線
機場快綫
AIRPORT EXPRESS

TUNG CHUNG LINE

青洲仔
TSING CHAU TSAI

NORTH LANTAU HIGHWAY

長索咀
Cheung Sok Tsui

長索
CHEUNG SOK

下角咀
Ha Kok Tsui

鹿頸灣
LUK KENG BAY

鹿頸
LUK KENG

碼頭
PIER

欣澳
SUNNY BAY

貨運線

欣澳道

北大嶼山公路

SUNNY BAY ROAD

大陰頂
TAI YAM TENG
186

花瓶頂
FA PING TENG
273

昂船洲
NGONG SHUEN AU

陰仔灣
YAM TSAI WAN

欣澳灣
YAN O WAN

陰仔
YAM TSAI

欣澳篤
YAN O TUK

灣篤
WAN TUK

望東坑
MONG TUNG HANG

竹篙灣公路
SUNNY BAY ROAD
PENNY'S BAY HIGHWAY

欣澳道

迪欣湖活動中心
INSPIRATION LAKE RECREATION CENTRE

DISNEYLAND RESORT

東涌路

竹篙灣發電廠
PENNY'S BAY POWER STATION

救生艇
Life Boat

大山
TAI SHAN

竹篙灣
PENNY'S BAY

四白坳
SZE PAK AU

扒頭鼓
PA TAU K

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# WORKS AREA
# WA5

NORTH LANTAU HIGHWAY

CHEUNG TUNG ROAD

北大嶼山公路

HWM

Rocky Area

岩地

Pipeline

Fence

Platform

碼頭
Pier

煤氣調壓及檢管站

Pak Mong

白芒

大蠔灣
TAI HO WAN

臺地

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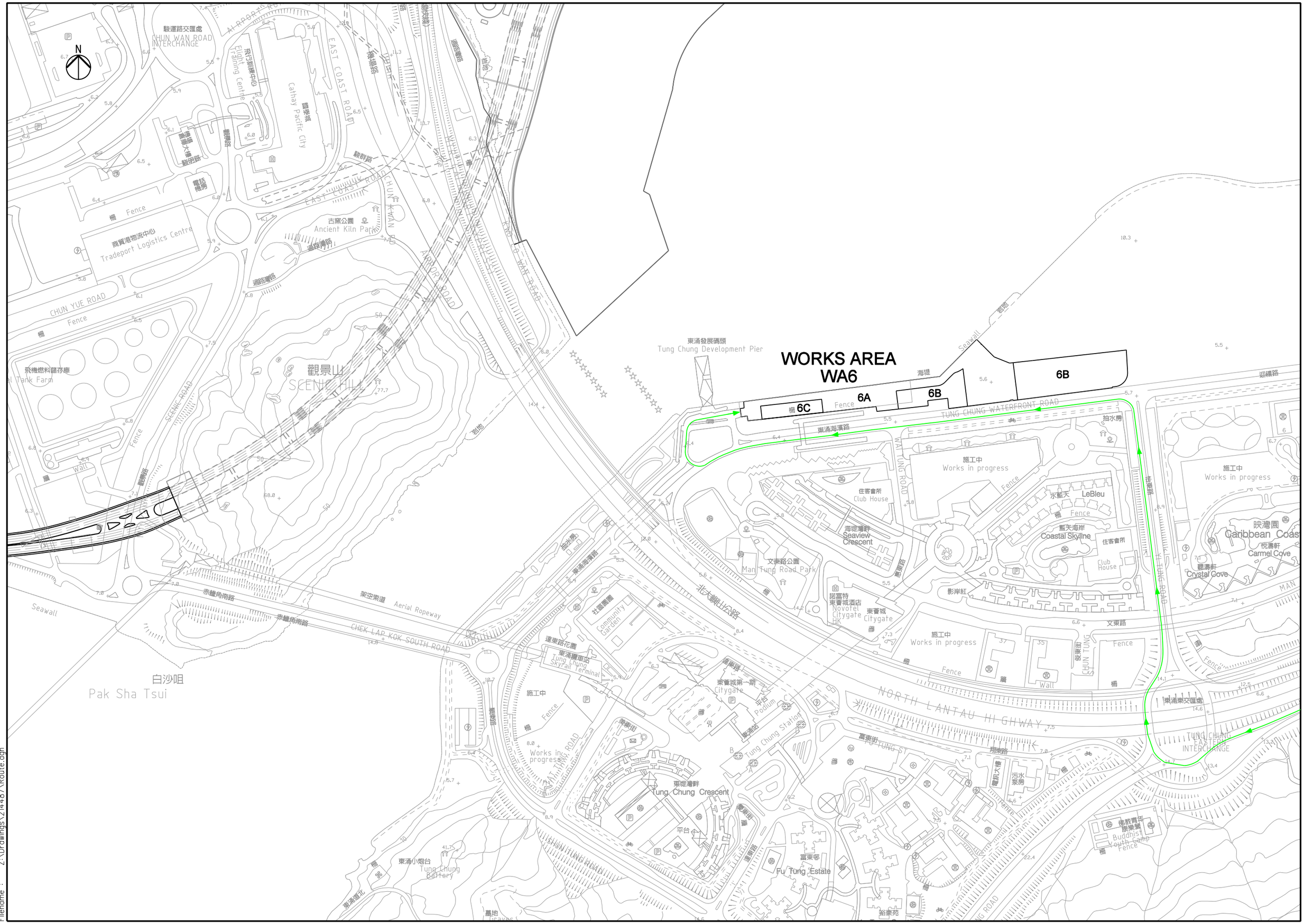


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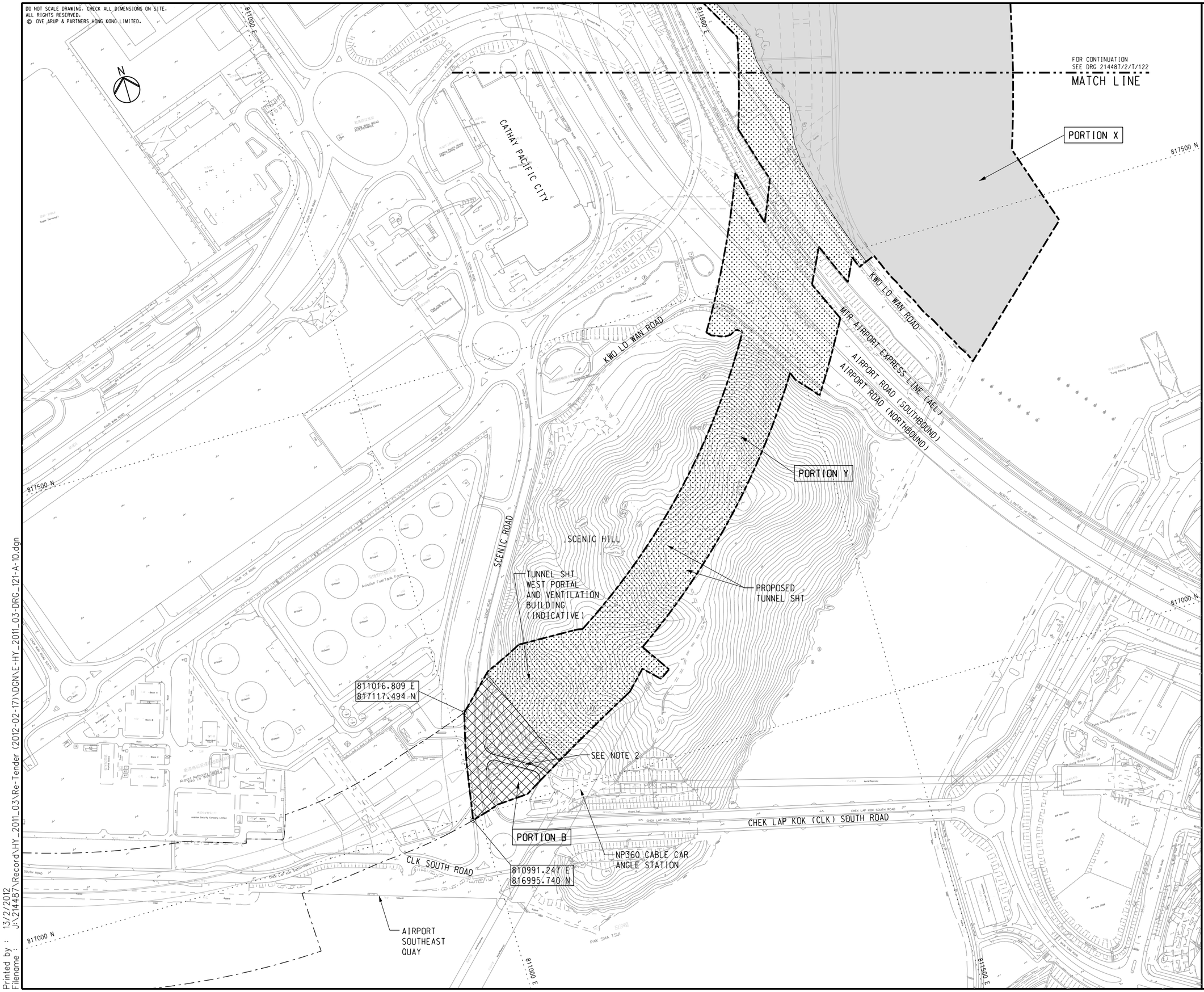


NOTES

1. FOR DETAILED DESCRIPTION OF PORTION OF SITE, REFER TO ER PART 2 GENERAL SITE DATA.
2. ACCESS ROAD TO NP360 CABLE CAR ANGLE STATION SHALL BE MAINTAINED AT ALL TIMES.

LEGEND

- SITE BOUNDARY
- PORTION X
- PORTION Y
- PORTION B
- PORTION C
- PORTION D1

| Rev | Description | By | Date |
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Consultant

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Contract No. and Title:

Contract No. HY/2011/03

Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title

PORTION OF SITE
(SHEET 1 OF 3)

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| 214487/2/T/121 | | A |
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NOTES

1. FOR GENERAL NOTES AND LEGEND, REFER TO DRG. NO. 214487/2/T/121.

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Contract No. HY/2011/03

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Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title

PORTION OF SITE
(SHEET 2 OF 3)

| Drawing no. | | | Rev. |
|---|---|---|---|
| 214487/2/T/122 | | | A |
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| Scale | | Status | |
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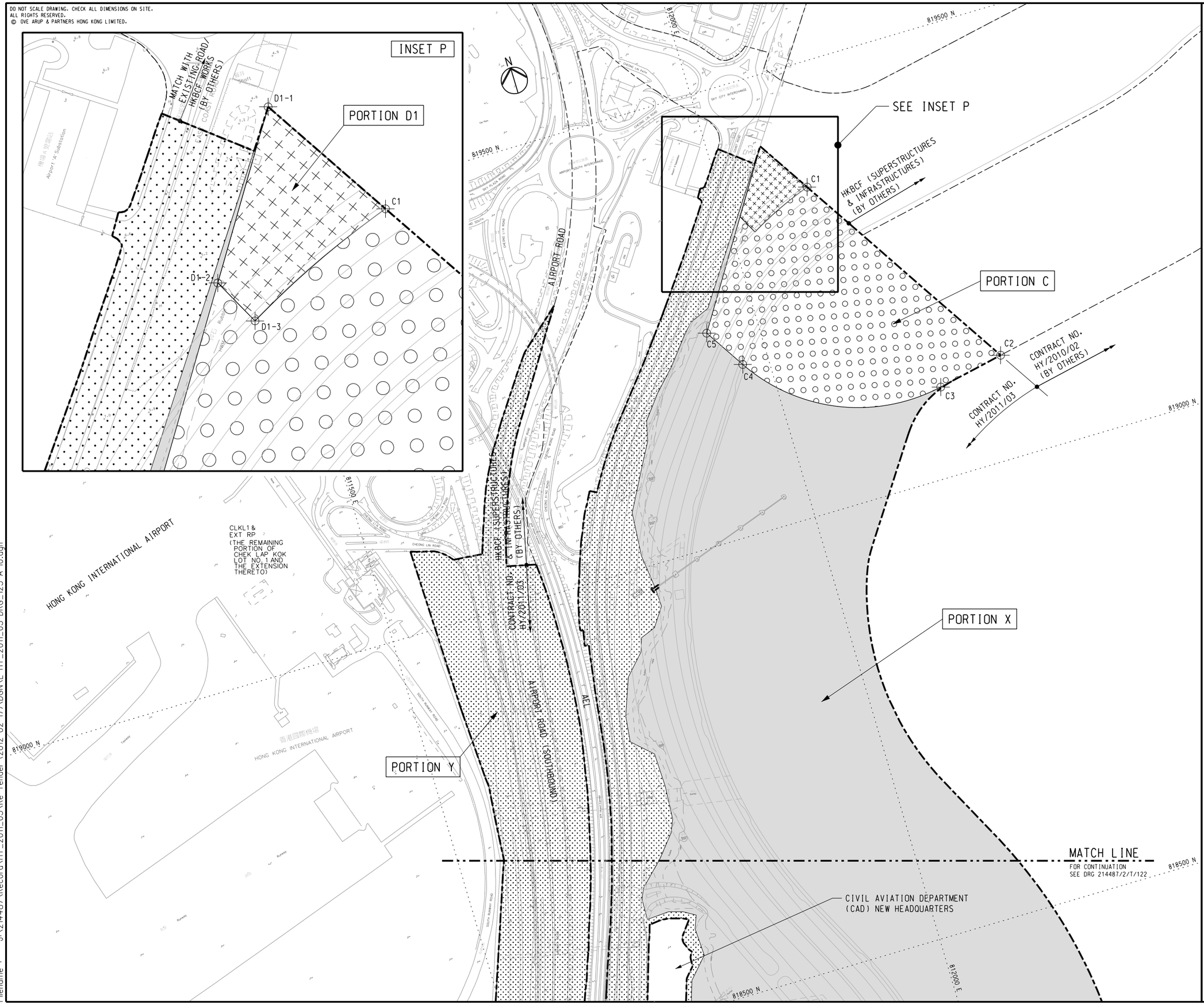


NOTES

1. FOR GENERAL NOTES AND LEGEND, REFER TO DRG. NO. 214487/2/T/121.

## SETTING OUT CO-ORDINATES OF SITE PORTION C

| POINT | CO-ORDINATES | |
|---|---|---|
| | EASTING | NORTHING |
| C1 | 812097.481 | 819361.966 |
| C2 | 812254.199 | 819116.562 |
| C3 | 812178.695 | 819101.208 |
| C4 | 811970.282 | 819189.551 |
| C5 | 811941.125 | 819235.206 |

## SETTING OUT CO-ORDINATES OF SITE PORTION D1

| POINT | CO-ORDINATES | |
|---|---|---|
| | EASTING | NORTHING |
| D1-1 | 812059.460 | 819421.497 |
| D1-2 | 812014.853 | 819351.273 |
| D1-3 | 812026.200 | 819329.938 |

| Rev | Description | By | Date |
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Drawing title

PORTION OF SITE
(SHEET 3 OF 3)

| Drawing no. | | Rev. |
|---|---|---|
| 214487/2/T/123 | | A |
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