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

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.45 (June 2016)

14 July 2016

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

Contents

Figures

Appendices

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 Asia Pacific 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 forty-fifth 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 30 June 2016.

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	6, 10, 16, 22 and 28 June 2016
24-hr TSP Monitoring at AMS5	3, 8, 14, 20, 24 and 30 June 2016
24-hr TSP Monitoring at AMS6	7, 8, 14, 20, 24 and 30 June 2016
Noise Monitoring	6, 16, 22 and 28 June 2016
Water Quality Monitoring	1, 3, 6, 8, 10, 13, 15, 17, 20, 22, 24, 27 and 29 June 2016
Chinese White Dolphin Monitoring	1, 6, 13 and 17 June 2016
Mudflat Monitoring (Sedimentation Rate)	2 June 2016
Mudflat Monitoring (Ecology)	4, 5, 6, 18 and 19 June 2016
Site Inspection	1, 8, 15, 22 and 28 June 2016

Due to power interruption and malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 was rescheduled from 3 June 2016 to 7 June 2016.

Due to clash of schedule, the dolphin monitoring schedule was rescheduled from 20 June 2016 to 17 June 2016.

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	0	0
	24-hr TSP	0	0
Noise	$L_{eq\ (30\ min)}$	0	0
Water Quality	Suspended solids level (SS)	0	0
	Turbidity level	0	0
	Dissolved oxygen level (DO)	0	0

Complaint Log

There was one complaint received in relation to the environmental impacts during the reporting period.

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

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaints
COM-2016-087	28 June 2016	Water Quality

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- East:813273, North 818850) 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.

Future Key Issues

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;
- Filling Works behind Stone Platform at Portion X;
- Construction of Seawall at Portion X;
- Loading and Unloading Filling Material at Portion X;
- Pipe Piling at Portion X;
- Excavation and Lateral Support Works at Scenic Hill Tunnel (Cut & Cover Tunnel) at Portion X;
- Construction of Tunnel Box Structure at Scenic Hill Tunnel (Cut & Cover Tunnel) at Portion X;
- Pipe Piling, Sheet Piling and Jet Grouting Works for Scenic Hill Tunnel (Cut & Cover Tunnel) at Portion X and Y;
- Lateral support works at shaft 3 extension north shaft (Package T1.12.1) at Kwo Lo Wan Road;
- Excavation for HKBCF to Airport Tunnel at Portion X;
- Excavation for Diversion of culvert PR9 and PR14 at Portion X;
- Works for Diversion of Airport Road;
- Utilities Detection at Airport Road / Airport Express Line/ East Coast Road;
- Establishment of Site Access at Airport Road / Airport Express Line/East Coast Road;
- Pipe Roofing Drilling/ Mined Tunnel Excavation / Box Jacking underneath Airport Road and Airport Express Line;
- Excavation and Lateral Support Works for HKBCF to Airport Tunnel East (Cut & Cover Tunnel) at Portion X;
- Excavation and Lateral Support Works for HKBCF to Airport Tunnel West (Cut & Cover Tunnel) at Airport Road;
- Canopy pipe installation for HKBCF to Airport Tunnel West (Cut & Cover Tunnel) at Airport Road;
- Utility Culvert Excavation at Portion Y;
- Sub-structure & superstructure works for Highway Operation and Maintenance Area Building at Portion Y;
- Excavation for Scenic Hill Tunnel at West Portal; and
- Superstructure 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. **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 forty-fifth 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 30 June 2016.

1.1.6 BMT Asia Pacific 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 Environ Hong Kong Ltd. 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 Environ 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 Asia Pacific)	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
Filling works behind stone platform	Portion X
Construction of seawall	Portion X
Loading and unloading of filling materials	Portion X
Pipe piling	Portion X
Excavation and lateral support works for Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X
Construction of tunnel box structure at Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X
Pipe piling and sheet piling works for Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X and Y
Excavation for HKBCF to Airport Tunnel	Portion X
Works for diversion	Airport Road
Utilities detection	Airport Road/ Airport Express Line/ East Coast Road
Establishment of Site Access	Airport Road/ Airport Express Line/ East Coast Road
Canopy pipe drilling / Box Jacking underneath Airport Express Line	Airport Express Line
Pipe roofing drilling / Mined Tunnel excavation underneath Airport Road	Airport Road
Lateral support works at shaft 3 extension north shaft & south shaft (Package T1.12.1)	Kwo Lo Wan Road
Excavation and Lateral Support Works for HKBCF to Airport Tunnel West (Cut & Cover Tunnel)	Airport Road
Excavation and Lateral Support Works for HKBCF to Airport Tunnel East (Cut & Cover Tunnel)	Portion X
Utility culvert excavation	Portion Y
Sub-structure & superstructure works for Highway Operation and Maintenance Area Building	Portion Y
Superstructure works for Scenic Hill Tunnel West Portal Ventilation building	West Portal
Excavation for Scenic Hill Tunnel	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 June 2016 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/m^3)	Range (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
AMS5	93	83 - 108	352	500
AMS6	98	84 - 153	360	500

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

Monitoring Station	Average (μg/m^3)	Range (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
AMS5	36	22 - 79	164	260
AMS6	42	26 - 63	173	260

2.7.2 No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at AMS5 and AMS6 during the reporting month.

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 June 2016 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	65	61 – 71	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 Major noise sources during the noise monitoring included construction activities of the Contract, nearby traffic and insect noise.

3.7.4 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; 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; 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; 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; 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 V2-M, 650
Positioning Equipment	DGPS – KODEN : KGP913MkII, KBG3
Water Depth Detector	Layin Associates: SM-5 & SM5A
Water Sampler	Wildlife Supply Company : 5487-10

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: IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 & IS10, Control/Far Field Stations: CS2 & CS(Mf)5, Sensitive Receiver Stations: SR3, SR4, SR5, SR10A & SR10B	• Depth, m • Temperature, ^{o}C • Salinity, ppt • Dissolved Oxygen (DO), mg/L • DO Saturation, % • Turbidity, NTU • pH • 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 (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 The locations of these monitoring stations 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	Impact Station (Close to HKBCF construction site)	812577	820670
SR3	Sensitive receivers (San Tau SSSI)	810525	816456
SR4	Sensitive receivers (Tai Ho Inlet)	814760	817867
SR5	Sensitive receivers (Artificial Reef In NE Airport)	811489	820455
SR10A	Sensitive receivers (Ma Wan Fish Culture Zone)	823741	823495
SR10B	Sensitive receivers (Ma Wan Fish Culture Zone)	823686	823213
CS2	Control Station (Mid-Ebb)	805849	818780
CS(Mf)5	Control Station (Mid-Flood)	817990	821129

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 June 2016 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 For marine water quality monitoring, no Action Level and Limit Level exceedances of turbidity level, dissolved oxygen level and suspended solid level were recorded during the reporting month.

4.7.3 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.

4.7.4 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 requirements of the Updated EM&A Manual for HKLR (Version 1.0), dolphin monitoring programme should cover all transect lines in NEL and NWL survey areas (see **Figure 1 of Appendix H**) twice per month. The co-ordinates of all transect lines are shown in **Table 5.2**. The coordinates of several starting points 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, 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	805475	815913*		14	Start Point	817537	820220
2	End Point	805477	826654		14	End Point	817537	824613
3	Start Point	806464	819435		15	Start Point	818568	820735
3	End Point	806464	822911		15	End Point	818568	824433
4	Start Point	807518	819771		16	Start Point	819532	821420
4	End Point	807518	829230		16	End Point	819532	824209
5	Start Point	808504	820220		17	Start Point	820451	822125
5	End Point	808504	828602		17	End Point	820451	823671

Line No.		Easting	Northing		Line No.		Easting	Northing
6	Start Point	809490	820466		18	Start Point	821504	822371
6	End Point	809490	825352		18	End Point	821504	823761
7	Start Point	810499	820880*		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	820872		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					
12	End Point	815542	824882					

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 18 years of marine mammal monitoring surveys in Hong Kong developed by HKCRP (see Hung 2015). 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 travelled 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 cameras (Canon EOS 7D and 60D models), 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 June 2016, two sets of systematic line-transect vessel surveys were conducted on the 1st, 6th, 13th and 17th 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 296.49 km of survey effort was collected, with 86.0% 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**). Among the two areas, 112.39 km and 184.10 km of survey effort were collected from NEL and NWL survey areas respectively. Moreover, the total survey effort conducted on primary lines was 217.54 km, while the effort on secondary lines was 78.95 km.

5.3.3 During the two sets of monitoring surveys in June 2016, only a single Chinese White Dolphin was sighted in NEL waters, while no dolphins were sighted at all in NWL (**Annex II of Appendix H**). Notably, this is the second consecutive months with no dolphin sightings made in NWL waters during the HKLR03 monitoring surveys, while the lone NEL sighting was the only one made since June 2015.

5.3.4 During the June's surveys, the single dolphin was sighted during off-effort search, and it was not associated with any operating fishing vessel.

5.3.5 Distribution of this lone dolphin sighting made in June 2016 is shown in **Figure 6 of Appendix H**. The lone dolphin occurred near the stretch of coastline between Sham Shui Kok and Yam O, and was observed only briefly before it disappeared. (**Figure 6 of Appendix H**).

5.3.6 This dolphin sighting was located far away from the HKLR03/HKBCF reclamation sites as well as the HKLR09/TMCLKL alignments. (**Figure 6 of Appendix H**).

5.3.7 During the June'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 **Table 5.3** and **Table 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: June 1st / 6th	0.0	0.0
	Set 2: June 13th / 17th	0.0	0.0
NWL	Set 1: June 1st / 6th	0.0	0.0
	Set 2: June 13th / 17th	0.0	0.0

Remarks:

1. Dolphin Encounter Rates Deduced from the Two Sets of Surveys (Two Surveys in Each Set) in June 2016 in Northeast (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	0.0	0.0	0.0	0.0

Remarks:

1. Monthly Average Dolphin Encounter Rates (Sightings Per 100 km of Survey Effort) from All Four Surveys Conducted in June 2016 on Primary Lines only as well as Both Primary Lines and Secondary Lines in Northeast (NEL) and Northwest Lantau (NWL).

Photo-identification Work

5.3.8 Attempt was unsuccessful in obtaining photos from the lone dolphin occurred in NEL waters during this monitoring month, as its behaviour was quite cryptic and the animal disappeared quickly after being sighted.

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 (June - August 2016) and baseline monitoring period (3-month 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. 2015. Monitoring of Marine Mammals in Hong Kong waters: final report (2014-15). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department, 198 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 Sedimentation Rate Monitoring

Methodology

6.1.1 To avoid disturbance to the mudflat and nuisance to navigation, no fixed marker/monitoring rod was installed at the monitoring stations. A high precision Global Navigation Satellite System (GNSS) real time location fixing system (or equivalent technology) was used to locate the station in the precision of 1mm, which is reasonable under flat mudflat topography with uneven mudflat surface only at micro level. This method has been used on Agricultural Fisheries and Conservation Department's (AFCD) project, namely Baseline Ecological Monitoring Programme for the Mai Po Inner Deep Bay Ramsar Site for measurement of seabed levels.

6.1.2 Measurements were taken directly on the mudflat surface. The Real Time Kinematic GNSS (RTK GNSS) surveying technology was used to measure mudflat surface levels and 3D coordinates of a survey point. The RTK GNSS survey was calibrated against a reference station in the field before and after each survey. The reference station is a survey control point established by the Lands Department of the HKSAR Government or traditional land surveying methods using professional surveying instruments such as total station, level and/or geodetic GNSS. The coordinates system was in HK1980 GRID system. For this contract, the reference control station was surveyed and established by traditional land surveying methods using professional surveying instruments such as total station, level and RTK GNSS. The accuracy was down to mm level so that the reference control station has relatively higher accuracy. As the reference control station has higher accuracy, it was set as true evaluation relative to the RTK GNSS measurement. All position and height correction were adjusted and corrected to the reference control station. Reference station survey result and professional land surveying calibration is shown as **Table 6.1**:

Table 6.1 Reference Station Survey result and GNSS RTK calibration result of Round 1

Reference Station	Easting (m)	Northing (m)	Baseline reference elevation (mPD) (A)	Round 1 Survey (mPD) (B)	Calibration Adjustment (B-A)
T1	811248.660mE	816393.173mN	3.840	3.817	-0.023
T2	810806.297mE	815691.822mN	4.625	4.653	+0.028
T3	810778.098mE	815689.918mN	4.651	4.660	+0.009
T4	810274.783mE	816689.068mN	2.637	2.709	+0.072

6.1.3 The precision of the measured mudflat surface level reading (vertical precision setting) was within 10 mm (standard deviation) after averaging the valid survey records of the XYZ HK1980 GRID coordinates. Each survey record at each station was computed by averaging at least three measurements that are within the above specified precision setting. Both digital data logging and written records were collected in the field. Field data on station fixing and mudflat surface measurement were recorded.

Monitoring Locations

6.1.4 Four monitoring stations were established based on the site conditions for the sedimentation monitoring and are shown in **Figure 6.1**.

Monitoring Results

6.1.5 The baseline sedimentation rate monitoring was in September 2012 and impact sedimentation rate monitoring was undertaken on 2 June 2016. The mudflat surface levels at the four established monitoring stations and the corresponding XYZ HK1980 GRID coordinates are presented in **Table 6.2 and Table 6.3.**

Table 6.2 Measured Mudflat Surface Level Results

	Baseline Monitoring (September 2012)			Impact Monitoring (June 2016)		
Monitoring Station	Easting (m)	Northing (m)	Surface Level (mPD)	Easting (m)	Northing (m)	Surface Level (mPD)
S1	810291.160	816678.727	0.950	810291.141	816678.735	1.073
S2	810958.272	815831.531	0.864	810958.261	815831.556	0.989
S3	810716.585	815953.308	1.341	810716.670	815953.302	1.468
S4	811221.433	816151.381	0.931	811221.408	816151.338	1.104

Table 6.3 Comparison of measurement

	Comparison of measurement			Remarks and Recommendation
Monitoring Station	Easting (m)	Northing (m)	Surface Level (mPD)	
S1	-0.019	0.008	0.123	Level continuously increased
S2	-0.011	0.025	0.125	Level continuously increased
S3	0.085	-0.006	0.127	Level continuously increased
S4	-0.025	0.006	0.173	Level continuously increased

6.1.6 This measurement result was generally and relatively higher than the baseline measurement at S1, S2, S3 and S4. The mudflat level is continuously increased.

6.2 Water Quality Monitoring

6.2.1 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) as in the EM&A Manual. The water quality monitoring location (SR3) is shown in **Figure 2.1**.

6.2.2 Impact water quality monitoring in San Tau (monitoring station SR3) was conducted in June 2016. The monitoring parameters included dissolved oxygen (DO), turbidity and suspended solids (SS).

6.2.3 The Impact monitoring results for SR3 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)
1-Jun-16	9.01	6.85	4.80	10.30	5.35	10.60
3-Jun-16	9.55	6.45	3.15	8.60	8.70	7.60
6-Jun-16	5.79	5.75	5.15	5.66	5.70	5.50
8-Jun-16	5.14	6.80	3.95	5.39	2.55	7.35
10-Jun-16	7.81	2.20	4.65	6.64	2.35	3.00
13-Jun-16	5.90	2.80	2.40	6.23	2.70	5.05
15-Jun-16	6.86	4.75	4.65	6.64	5.05	6.15
17-Jun-16	7.39	4.90	2.75	7.86	4.50	3.95
20-Jun-16	6.89	5.65	5.95	7.73	5.80	8.10
22-Jun-16	6.18	6.65	7.75	7.51	4.30	6.20
24-Jun-16	6.14	6.10	3.90	7.58	4.25	4.40
27-Jun-16	9.43	7.10	9.05	8.70	4.25	8.10
29-Jun-16	6.01	5.55	5.25	7.32	4.20	5.70
Average	7.08	5.50	4.88	7.39	4.59	6.28

6.3 Mudflat Ecology Monitoring Methodology

Sampling Zone

6.3.1 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 length of sampling zones TC1, TC2, TC3 and ST were about 250m, 300m, 300m and 250m, respectively. Survey of horseshoe crabs, seagrass beds and intertidal communities were conducted in every sampling zone. The present survey was conducted in June 2016 (totally 6 sampling days between 4th and 19th June 2016).

Horseshoe Crabs

6.3.2 Active search method was conducted for horseshoe crab monitoring by two experienced surveyors at 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 4th (for TC2), 6th (for TC3 and ST) and 19th (for TC1) June 2016. The weather was generally cloudy with intermittent rains on 4th June 2016. It was sunny and hot on 6th and 19th June 2016.

Seagrass Beds

6.3.3 Active search method was conducted for seagrass bed monitoring by two experienced surveyors at 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 4th (for TC2), 6th (for TC3 and ST) and 19th (for TC1) June 2016. The weather was generally cloudy with intermittent rains on 4th June. It was sunny and hot on 6th and 19th June 2016.

Intertidal Soft Shore Communities

6.3.4 The intertidal soft shore community surveys were conducted on 4th (for TC2), 5th (forTC3), 18th (for ST) and 19th (for TC1) June 2016. In every sampling zone, three 100 m 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 0.5m) were placed.

6.3.5 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 × 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 were dug for visible infauna in the quadrat regardless of hand core sample was taken.

6.3.6 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.

6.3.7 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).

Data Analysis

6.3.8 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.

6.4 Event and Action Plan for Mudflat Monitoring

6.4.1 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; Identify source(s) of impact; Inform the IEC, SO and Contractor; Check monitoring data; Discuss additional monitoring and any other measures, with the IEC and Contractor.	Discuss monitoring with the ET and the Contractor; 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; Make agreement on the measures to be implemented.	Inform the SO and in writing; Discuss with the ET and the IEC and propose measures to the IEC and the ER; Implement the agreed measures.

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

6.5 Mudflat Ecology Monitoring Results and Conclusion

Horseshoe Crabs

6.5.1 In the present survey, two species of horseshoe crab *Carcinoscorpius rotundicauda* (total 181 ind.) and *Tachypleus tridentatus* (total 47 ind.) were recorded. For one sight record, grouping of 2-31 individuals was observed at same locations with similar substratum (fine sand or soft mud). Photo records were shown in **Figure 3.1 of Appendix I** while the complete records of horseshoe crab were shown in **Annex II of Appendix I**.

6.5.2 **Table 3.1 of Appendix I** summarizes the survey results of horseshoe crab in present survey. For *Carcinoscorpius rotundicauda,* there were 20, 6, 66 and 89 individuals in TC1, TC2, TC3 and ST respectively. For ST, the search record was the highest (14.8 ind. hr^{-1} $person^{-1}$) while the average body size was 40.30 mm (prosomal width ranged 12.00-75.41 mm). TC3 had the second highest search record (11.0 ind. hr^{-1} $person^{-1}$) but the average body size was lowest (mean prosomal width 30.42 mm; range 11.76-86.54 mm). For TC1, the search record was much lower (5.0 ind. hr^{-1} $person^{-1}$) while the average body size was 49.57 mm (prosomal width ranged 15.24-142.72 mm). For TC2, the search record was the lowest (1.5 ind. hr^{-1} $person^{-1}$) while the average body size was 42.43 mm (prosomal width ranged 30.38 – 74.17 mm).

6.5.3 For *Tachypleus tridentatus,* there were 2, 18 and 27 individuals in TC1, TC3 and ST respectively. For ST, the search record was 4.5 ind. hr^{-1} $person^{-1}$ while the average body size was 60.28 mm (prosomal width ranged 43.16-80.03 mm). For TC3, the search record was 3.0 ind. hr^{-1} $person^{-1}$ while the average body size was 45.16 mm (prosomal width ranged 28.89-54.58 mm). For TC1, the search record was very low (0.5 ind. hr^{-1} $person^{-1}$) while the average body size was 44.74 mm (prosomal width ranged 35.77-53.71 mm). No individual was found in TC2.

6.5.4 In the previous survey of March 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. Moreover, two moults of *Carcinoscorpius rotundicauda* were found in TC1 with similar prosomal width 130-140 mm **(Figure 3.2 of Appendix I)**. It reflected that a certain numbers of moderately sized individuals inhabited the sub-tidal habitat of Tung Chung Wan after its nursery period on soft shore. These individuals might move onto soft shore during high tide for feeding, moulting and breeding. Then it would return to sub-tidal habitat during low tide. Because the mating pair should be inhabiting sub-tidal habitat in most of the time. The record was excluded from the data analysis to avoid mixing up with juvenile population living on soft shore. In present survey the records of the two big individuals of *Carcinoscorpius rotundicauda* (prosomal width 117.37 mm and 178.17 mm) were excluded from data analysis according to the same principle.

6.5.5 No marked individual of horseshoe crab was recorded in present survey. Some marked individu*als were found in previous su*rveys conducted in September 2013, March 2014 and September 2014. All of them were released through a conservation programme conducted 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 crabs 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 September 2014.

6.5.6 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

6.5.7 **Figures 3.3 and 3.4 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. In general, higher search records (i.e. number of individuals) of both species were always found in ST and TC3. 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 (present survey). For TC1, the search record was at low to medium 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., Jun., Sep. 2014, Mar. and Jun. 2015; 4 ind. in Sep. 2015; 6 ind. in Jun. 2016). For the body size, larger individuals of *Carcinoscorpius rotundicauda* were usually found in ST and TC1 relative to those in TC3. For *Tachypleus tridentatus*, larger individuals were also found in ST followed by TC3 and TC1.

6.5.8 Throughout the monitoring conducted, it was obvious that 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.

Seasonal variation of horseshoe crab population

6.5.9 Throughout the monitoring period conducted, the search record of horseshoe crab declined obviously during dry season especially December (**Figures 3.3 and 3.4 of Appendix I**). In December 2013, no individual of horseshoe crab was found. In December 2014, 2 individuals

of *Carcinoscorpius rotundicauda* and 8 individuals of *Tachypleus tridentatus* were found only. In December 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). After the dry season, the search record increased with the warmer climate.

6.5.10 From September 2012 to December 2013, *Carcinoscorpius rotundicauda* was a less common species relative to *Tachypleus tridentatus*. Only 4 individuals were ever recorded in ST in December 2012. This species had ever been believed of very low density in ST hence the encounter rate was very low. Since March 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 Chun Wan. However, these individuals were still small while their walking trails were inconspicuous. Hence there was no search record in previous sampling months. From March 2014 to September 2015, more individuals were recorded due to larger size and higher activity (i.e. more conspicuous walking trail).

6.5.11 For *Tachypleus tridentatus,* sharp increase of number of individuals was recorded in ST during the wet season of 2013 (from March to September). 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 during the wet season of 2014. The number of individuals increased in March and June 2014 followed by a rapid decline in September 2014. Then the number of individuals fluctuated slightly in TC3 and ST until June 2016 (present survey). 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 March 2014. Then it varied slightly between 50-65 mm from September 2014 to June 2016 (present survey). Most of the individuals might have reached a suitable size strong enough to forage in sub-tidal habitat.

6.5.12 Since TC3 and ST were regarded as important nursery ground for horseshoe crab, 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

6.5.13 **Figure 3.5 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 September 2012 and December 2013 hence the data were lacking. In March 2014, the major size (50% of individual records between upper and lower quartile) ranged 40-60 mm while only few individuals were found. From March 2014 to June 2016 (present survey), the size of major population decreased and more small individuals were recorded after March of every year. It indicated new rounds of successful breeding and spawning of *Carcinoscorpius rotundicauda* in TC3. It matched with the previous mating record in ST in March 2015. Moreover, several large individuals (prosomal width 60-90 mm) were recorded in Jun 2016 (present survey) indicating a stable growth of older individuals.

6.5.14 For *Tachypleus tridentatus,* the major size ranged 20-50 mm while the number of individuals fluctuated from September 2012 to June 2014. Then a slight but consistent growing trend was observed from Septemer 2014 to June 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 March to June 2016 (present survey), slight increasing trend of major size was noticed again.

Box plot of horseshoe crab populations in ST

6.5.15 **Figure 3.6 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 September 2012 and December 2013 hence the data were lacking. From March 2014 to September 2015, the size of major population decreased and more small individuals were recorded after June of every year. It indicated new rounds of successful breeding and spawning of *Carcinoscorpius rotundicauda* in ST. It matched with the previous mating record in ST in March 2015. From March to June 2016 (present survey), slight increasing trend of major size was noticed similar to previous two years. Few small individuals (prosomal width 10-20 mm) were found in June 2016 while there might be new round of spawning similar to TC3.

6.5.16 For *Tachypleus tridentatus,* a consistent growing trend was observed for the major population from December 2012 to December 2014 regardless of change of search record. The prosomal width increased from 15-30 mm to 55-70 mm. As mentioned, the large individuals might have reached a suitable size for migrating from the nursery soft shore to subtidal habitat. From March to September 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 individuals might have migrated to sub-tidal habitats, leaving the smaller individuals on shore. In December 2015, two big individuals (prosomal width 89.27 mm and 98.89 mm) were recorded only while it could not represent the major population. From December 2015 to March 2016, the number of horseshoe crab recorded was very few in ST that no boxplot could be produced. In June 2016 (present survey), the prosomal width of major population ranged 50-70 mm. There was an overall growth trend throughout the monitoring period.

6.5.17 As a summary for horseshoe crab populations in TC3 and ST, there was successful spawning of *Carcinoscorpius rotundicauda* from 2014 to 2016 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 TC3 and ST 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. It was expected the population would remain at low level until new round of successful spawning.

Impact of the HKLR project

6.5.18 The present survey was the 15th 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 considering the factor of natural, seasonal variation. 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 observed, it would be reported as soon as possible.

Seagrass Beds

6.5.19 In the present survey, seagrass species *Halophila ovalis* and *Zostera japonica* were recorded in ST only. Photo records were shown in **Figure 3.7 of Appendix I** while the complete records of seagrass beds survey were shown in **Annex III of Appendix I.**

6.5.20 **Table 3.2 of Appendix I** summarizes the results of seagrass beds survey in ST. Four patches of *Halophila ovalis* were found while the total seagrass bed area was about 4707.3 m^2 (average area 1176.8 m^2). The largest patch was a horizontal strand with seagrass bed area 4162.7 m^2 on soft mud at 1.0-1.5 m above C.D. with coverage 70%. At vicinity, there were two small, irregular patches with seagrass bed area 28.5-45.6 m^2 and coverage 60-80%. These three patches were not recorded in previous survey reflecting a new colonization between March to June 2016.

6.5.21 Moreover, there was a horizontal strand with seagrass bed area 470.5 m^2 nearby the seaward side of mangrove vegetation at 2.0 m above C.D.. It coexisted with another seagrass species *Zostera japonica* with variable coverage (10-100%).

6.5.22 For *Zostera japonica*, there was only one horizontal strand coexisting with *Halophila ovalis* at 2.0 m above C.D. The estimated total area and coverage were 114.9 m^2 and 70% respectively.

6.5.23 Since majority of seagrass bed was confined in ST, the temporal change of both seagrass species were investigated in details.

Temporal variation of seagrass beds

6.5.24 **Figure 3.8 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 March 2013 that grew within the large patch of seagrass *Halophila ovalis*. Then the patch size increased and merged gradually with the warmer climate from March to June 2013 (15 m^2). However the patch size decreased sharply and remained similar from September 2013 (4 m^2) to March 2014 (3 m^2). In June 2014, the patch size increased obviously again (41 m^2) with warmer climate. Similar to previous year, the patch size decreased again and remained similar September 2014 (2 m^2) to December 2014 (5 m^2). From March to June 2015, the patch size increased sharply again (90.0 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 September 2015 to June 2016 (present survey), it was found coexisting with seagrass *Halophila ovalis* with steady increasing patch size and variable coverage.

6.5.25 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 September 2012 (first survey). The total seagrass bed area grew steadily from 332.3 m^2 in September 2012 to 727.4 m^2 in December 2013. Flowers could be observed in the largest patch during its flowering period in December 2013. In March 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 June 2014, these small and medium patches grew and extended to each others. 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 September 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 patch at low tidal level (786 m^2). Typhoon or strong water current was a possible cause (Fong, 1998). In September 2014, there were two tropical cyclone records in Hong Kong (7th-8th September: no cyclone name, maximum signal number 1; 14th-17th September: Kalmaegi maximum signal number 8SE) before the seagrass survey dated 21st September 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 surrounding the recorded patches. But it was hardly distinguished due to very low coverage (10-20%) and small leaves.

6.5.26 In December 2014, all the seagrass patches of *Halophila ovalis* disappeared in ST. **Figure 3.9 of Appendix I** shows the difference of the original seagrass beds area nearby the mangrove vegetation at high tidal level between June 2014 and December 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*

6.5.27 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 September 2014. The strong water current caused by the cyclones might have given damage to the seagrass beds.

6.5.28 Prolonged light deprivation due to turbid water would be another unfavourable 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).

6.5.29 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 September, 2014, the SS concentrations measured at 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 September 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.

6.5.30 Based on the weather condition and water quality results in ST, the co-occurrence of cyclone hit and turbid waters in September 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

6.5.31 **Figure 3.9 of Appendix I** shows the recolonization of seagrass bed area in ST from December 2014 to June 2016 (present survey). From March to June 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 December 2014 and March 2015. Moreover, it would need to compete with more abundant 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 June to March 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 June 2016, the total seagrass area increased sharply to 4707.3 m^2. Similar to the previous records of March-June 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.). It indicated the second extensive colonization of this *r*-strategy seagrass. However it was not appropriate to predict a rapid decline of seagrass area in the coming sampling months based on the previous results (September and December 2014).

Impact of the HKLR project

6.5.32 The present survey was the 15th survey of the EM&A programme during the construction period. According to the results of present survey, there was clear recolonization of both seagrass species *Halophila ovalis* and *Zostera japonica* in ST. Hence the negative impact of HKLR project on the seagrass was not significant. In case, adverse phenomenon (e.g. reduction of seagrass patch size, abnormal change of leave colour) is observed again, it would be reported as soon as possible.

Intertidal Soft Shore Communities

6.5.33 **Table 3.3 and Figure 3.10 of Appendix I** show the types of substratum along the horizontal transect at every tidal level in every sampling zone. The relative distribution of different substrata 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 percentage of 'Gravels and Boulders' (80-90%) was recorded at all tidal levels followed by 'Sands' (10-20%).
- In TC2, the major substrata types were 'Soft mud' (50%) and 'Sands' (40%) at the high tidal level. 'Sands' was the major substratum type (60%) at the mid and low tidal levels followed by 'Soft mud' (20-30%).
- In TC3, high percentage of 'Sands' (70-100%) was recorded at the high and mid tidal levels. The major substratum type was 'Gravels and Boulders' (70%) at the low tidal level followed by 'Soft mud' (20%).
- In ST, high percentage of 'Gravels and Boulders' (80-100%) was recorded at the high and mid tidal levels. The major substrata types were 'Gravels and Boulders' (40%) and 'Soft mud' (40%) at the low tidal level.

6.5.34 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.

6.5.35 **Table 3.4 of Appendix I** lists the total abundance, density and number of taxon of every phylum in this survey. A total of 15304 individuals were recorded. Mollusca was significantly the most abundant phylum (total individuals 14722, density 491 ind. m^{-2}, relative abundance 96.2%). The second and third abundant phya were Arthropoda (328 ind., 11 ind. m^{-2}, 2.1%) and Annelida (123 ind., 4 ind. m^{-2}, 0.8%) respectively. Relatively other phyla were very low in abundances (density $\leq$1 ind. m^{-2}, relative abundance $\leq$0.3%). Moreover, the most diverse phylum was Mollusca (40 taxa) followed by Arthropoda (18 taxa) and Annelida (14 taxa). There were 1-2 taxa recorded only for other phyla. The taxonomic resolution and complete list of collected specimens are shown in **Annex IV and V of Appendix I** respectively.

6.5.36 **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 (2686-4777 ind.) varied among the four sampling zones while the phyla distributions were similar. In general, Mollusca was the most dominant phylum (no. of individuals: 2513-4662 ind.; relative abundance 93.6-97.6%; density 335-622 ind. m^{-2}). Other phyla were significantly lower in number of individuals. Arthropoda was the second abundant phylum (51-110 ind.; 1.1-3.7%; 7-15 ind. m^{-2}). Annelida was the third abundant phylum in TC2 and TC3 (25-67 ind.; 0.5-2.5%; 3-9 ind. m^{-2}) while it was the fourth abundant in TC1 and ST (15-16 ind.; 0.3-0.5%; 2 ind. m^{-2}). Sipuncula was the third

abundant phylum (22 ind.; 0.5%; 3 ind. m^{-2}) in TC1. Cnidaria (sea anemone) was the third abundant phylum (36 ind.; 1.1%; 5 ind. m^{-2}) in ST. Relatively other phyla were low in abundance in all sampling zones (≤ 0.3%).

Dominant species in every sampling zone

6.5.37 **Table 3.6 of Appendix I** lists the abundant species (relative abundance >10%) in every sampling zone. In TC1, the abundant species were different between tidal levels. Gastropod *Batillaria multiformis* was the most abundant species of very high density (413 ind. m^{-2}, relative abundance 54%) at the high tidal level (major substratum: 'Gravels and Boulders') followed by gastropods *Cerithidea cingulata* (165 ind. m^{-2}, 22%) and *Cerithidea djadjariensis* (110 ind. m^{-2}, 14%). At the mid tidal level (major substratum: 'Gravels and Boulders'), gastropods *Monodonta labio* (119 ind. m^{-2}, 22%), *Cerithidea cingulata* (109 ind. m^{-2}, 20%), *Batillaria multiformis* (88 ind. m^{-2}, 16%) and rock oyster *Saccostrea cucullata* (75 ind. m^{-2}, 14%, attached on boulders) were abundant species of low-moderate densities. At the low tidal level (major substratum: 'Gravels and Boulders'), gastropod *Monodonta labio* (144 ind. m^{-2}, 24%) and rock oyster *Saccostrea cucullata* (139 ind. m^{-2}, 23%) were the abundant species of moderate densities.

6.5.38 At TC2, the abundant species were different between tidal levels. Gastropod *Cerithidea djadjariensis* (322 ind. m^{-2}, 51%) was the most abundant at high density followed by gastropod *Cerithidea cingulata* (167 ind. m^{-2}, 27%) at the high tidal level (major substratum: 'Soft mud'). At the mid tidal level (major substratum: 'Sands'), gastropods *Cerithidea djadjariensis* (85 ind. m^{-2}, 28%), *Batillaria zonalis* (56 ind. m^{-2}, 18%), *Cerithidea cingulata* (34 ind. m^{-2}, 11%) and rock oyster *Saccostrea cucullata* (75 ind. m^{-2}, 25%, attached on boulders) were the abundant species at low-moderate densities. At the low tidal level (major substratum: 'Sands'), gastropods *Batillaria zonalis* (36 ind. m^{-2}, 25%), *Cerithidea djadjariensis* (20 ind. m^{-2}, 14%) and rock oyster *Saccostrea cucullata* (35 ind. m^{-2}, 24%) were the common species at low densities.

6.5.39 At TC3, gastropods *Batillaria multiformis* (203 ind. m^{-2}, 33%), *Cerithidea djadjariensis* (195 ind. m^{-2}, 32%) and *Cerithidea cingulata* (192 ind. m^{-2}, 31%) were the abundant species of moderate densities at the high tidal level (major substratum: 'Sands'). At the mid tidal level (major substratum: 'Sands'), gastropods *Cerithidea djadjariensis* (282 ind. m^{-2}, 45%) and *Cerithidea cingulata* (220 ind. m^{-2}, 35%) were the abundant species at moderate-high densities. At the low tidal level (major substratum: 'Gravels and Boulders'), the abundant species were at moderate densities including rock oyster *Saccostrea cucullata* (202 ind. m^{-2}, 34%, attached on boulders), gastropods *Monodonta labio* (147 ind. m^{-2}, 25%) and *Cerithidea djadjariensis* (106 ind. m^{-2}, 18%).

6.5.40 At ST, abundant gastropods *Monodonta labio* (186 ind. m^{-2}, 36%) and *Batillaria multiformis* (123 ind. m^{-2}, 23%) were of moderate densities followed by limpet *Cellana toreuma* (61 ind. m^{-2}, 12%) and rock oyster *Saccostrea cucullata* (60 ind. m^{-2}, 11%, attached on boulders) at the high tidal level (major substratum: 'Gravels and Boulders'). At the mid tidal level (major substratum: 'Gravels and Boulders'), gastropod *Monodonta labio* (158 ind. m^{-2}, 28%) and rock oyster *Saccostrea cucullata* (111 ind. m^{-2}, 20%) were abundant at moderate densities. At the low tidal level (major substrata: 'Soft mud' and 'Gravels and Boulders'), gastropods *Cerithidea cingulata* (49 ind. m^{-2}, 22%), *Cerithidea djadjariensis* (43 ind. m^{-2}, 20%), *Lunella coronate* (29 ind. m^{-2}, 13%) and rock oyster *Saccostrea cucullata* (26 ind. m^{-2}, 12%) were common species at low densities.

6.5.41 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 *Cerithidea djadjariensis* (total number of individuals: 3231 ind., relative abundance 21.1%), *Cerithidea cingulata* (2530 ind., 16.5%) and *Batillaria multiformis* (2410 ind., 15.7%) were the most commonly occurring species on sandy and soft mud substrata. Gastropod *Monodonta labio* (2051 ind., 13.4%) and rock oyster *Saccostrea cucullata* (1953 ind., 12.8%) were commonly occurring species inhabiting gravel and boulders substratum.

Biodiversity and abundance of soft shore communities

6.5.42 **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. The variations among sampling zones and tidal levels were determined by the type of substratum primarily mentioned above.

6.5.43 Among the sampling zones, the mean species numbers of TC1 and ST (12-13 spp. 0.25 m^{-2}) were higher than that of TC2 and TC3 (8-9 spp. 0.25 m^{-2}). The mean density of TC1 and TC3 (612-637 ind. m^{-2}) were higher than that of TC2 and ST (358-433 ind. m^{-2}). The mean *H'* of TC1, TC2 and ST (1.5-1.7) were slightly higher than that of TC3 (1.2). However the mean *J* values were similar among the sampling zones.

6.5.44 Across the tidal levels, there was no consistent difference of the mean species number, density and *J* in all sampling zones. For the mean *H'*, there was a slightly increasing trend from high to low tidal level.

6.5.45 **Figures 3.11 to 3.14 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. Overall no consistent trend of any biological parameters was observed throughout the monitoring period. All the parameters fluctuated naturally with the seasons.

Impact of the HKLR project

6.5.46 The present survey was the 15th 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, abnormal phenomenon (e.g. rapid or consistent decline of fauna densities and species number) is observed, it would be reported as soon as possible.

6.6 Reference

6.6.1 Chan, K.K., Caley, K.J., 2003. Sandy Shores, Hong Kong Field Guides 4. The Department of Ecology & Biodiversity, The University of Hong Kong. pp 117.

6.6.2 Dai, A.Y., Yang, S.L., 1991. Crabs of the China Seas. China Ocean Press. Beijing.

6.6.3 Dong, Y.M., 1991. Fauna of ZheJiang Crustacea. Zhejiang Science and Technology Publishing House. ZheJiang.

6.6.4 EPD, 1997. Technical Memorandum on Environmental Impact Assessment Proc^{es}s (1st edition). Environmental Protection Department, HKSAR Government.

6.6.5 Fauchald, K., 1977. The polychaete worms. Definitions and keys to the orders, families and genera. Natural History Museum of Los Angeles County, Science Series 28. Los Angeles, U.S.A.

6.6.6 Fong, C.W., 1998. Distribution of Hong Kong seagrasses. In: *Porcupine!* No. 18. The School of Biological Sciences, The University of Hong Kong, in collaboration with Kadoorie Farm & Botanic Garden Fauna Conservation Department, p10-12.

6.6.7 Li, H.Y., 2008. The Conservation of Horseshoe Crabs in Hong Kong. MPhil Thesis, City University of Hong Kong, pp 277.

6.6.8 Longstaff, B.J., Dennison, W.C., 1999. Seagrass survival during pulsed turbidity events: the effects of light deprivation on the seagrasses *Halodule pinifolia* and *Halophila ovalis*. Aquatic Botany 65 (1-4), 105-121.

6.6.9 Longstaff, B.J., Loneragan, N.R., O'Donohue, M.J., Dennison, W.C., 1999. Effects of light deprivation on the survival and recovery of the seagrass *Halophila ovalis* (R. Br.) Hook. Journal of Experimental Marine Biology and Ecology 234 (1), 1-27.

6.6.10 Nakaoka, M., Aioi, K., 1999. Growth of seagrass *Halophila ovalis* at dugong trails compared to existing within-patch variation in a Thailand intertidal flat. Marine Ecology Progress Series 184, 97-103.

6.6.11 Pielou, E.C., 1966. Shannon's formula as a measure of species diversity: its use and misuse. American Naturalist 100, 463-465.

6.6.12 Qi, Z.Y., 2004. Seashells of China. China Ocean Press. Beijing, China.

6.6.13 Qin, H., Chiu, H., Morton, B., 1998. Nursery beaches for Horseshoe Crabs in Hong Kong. In: *Porcupine!* No. 18. The School of Biological Sciences, The University of Hong Kong, in collaboration with Kadoorie Farm & Botanic Garden Fauna Conservation Department, p 9-10.

6.6.14 Shannon, C.E., Weaver, W., 1963. The Mathematical Theory of Communication. Urbana: University of Illinois Press, USA.

6.6.15 Shin, P.K.S., Li, H.Y., Cheung, S.G., 2009. Horseshoe Crabs in Hong Kong: Current Population Status and Human Exploitation. Biology and Conservation of Horseshoe Crabs (part 2), 347-360.

6.6.16 Supanwanid, C., 1996. Recovery of the seagrass *Halophila ovalis* after grazing by dugong. In: Kuo, J., Philips, R.C., Walker, D.I., Kirkman, H. (eds), Seagrass biology: Proc Int workshop, Rottenest Island, Western Australia. Faculty of Science, The University of Western Australia, Nedlands, 315-318.

6.6.17 Vermaat, J.E., Agawin, N.S.R., Duarte, C.M., Fortes, M.D., Marba. N., Uri, J.S., 1995. Meadow maintenance, growth and productivity of a mixed Philippine seagrass bed. Marine Ecology Progress Series 124, 215-225.

6.6.18 Yang, D.J, Sun, R.P., 1988. Polychaetous annelids commonly seen from the Chinese waters (Chinese version). China Agriculture Press, China.

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, five site inspections were carried out on 1, 8, 15, 22 and 28 June 2016.

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
4 May 2016	1. Accumulation of refuse was observed at S8. 2. Stagnant water was found inside a drip tray provided for a generator at HMA.	1. The accumulated refuse at S8 was removed. 2. The stagnant water at HMA was removed.	1 Jun 2016
18 May 2016	3. No drip tray was provided for chemical drums at S7. 4. Accumulation of refuse was observed at S16.	1. The chemical drums at S7 were removed from site. 2. The accumulated refuse at S16 was removed.	1 Jun 2016
27 May 2016	1. Gap of silt curtains were observed at Portion X.* 2. Accumulated waste was observed at Western Portal. 3. No drip tray was provided for chemical containers at Western Portal. 4. Stagnant water was observed at Western Portal. 5. Stagnant water inside the drip tray and no chemical label for chemical containers was observed at Western Portal. 6. Chemicals leakage was observed at Western Portal. 7. Rubbish was observed at Western Portal.	1. The Contractor was recommended to maintain the silt curtain properly at Portion X. 2. The accumulated waste at Western Portal was removed. 3. The chemical containers were removed from Western Portal. 4. The stagnant water at Western Portal was removed. 5. Stagnant water inside the drip tray at Western Portal was removed and chemical labels were displayed on the containers. 6. The chemical leakage at Western Portal was cleaned up. 7. The rubbish at Western Portal was removed.	All observations were closed on 1 June 2016 except the outstanding observation (Item 1).

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
1 Jun 2016	1. Mud was accumulated inside the U-channel at N4. 2. Stagnant water was observed at N4. 3. Accumulation of waste was observed at N4. 4. Silt curtain was misaligned at S11. 5. Stagnant water was observed inside a drip tray at S7. 6. No NRMM label was displayed on a mobile crane at S9. 7. Stagnant water was observed at S15.	1. The mud inside the U-channel was removed at N4. 2. The stagnant water was removed at N4. 3. The accumulated waste was removed at N4. 4. The silt curtain was maintained properly at S11. 5. The drip tray and the chemical drum were removed from site at S7. 6. The NRMM label was displayed on the mobile crane at S9. 7. The stagnant water at S15 was removed.	8 Jun 2016
	8. Stagnant water was observed at S7.	8. Stagnant water was cleared at S7.	28 Jun 2016
8 Jun 2016	1. Stagnant water was observed at C & C. 2. Accumulation of refuse was observed at C & C. 3. The wastewater treatment facility was damaged at N26. 4. Mud was found next to the seafront of S7. 5. Accumulation of refuse was observed at S11. 6. Water pressure of wheel washing facility was insufficient at WA4. 7. Stagnant water was observed at WA4.	1. The stagnant water at C & C was removed. 2. The accumulated refuse at C & C was removed. 3. The wastewater treatment facility at N26 was repaired. 4. The accumulated mud at S7 was removed. 5. The accumulated refuse at S11 was removed. 6. The water pressure of the wheel washing facility was maintained to a normal level at WA4. 7. The stagnant water at WA4 was removed.	15 Jun 2016
	8. Gaps between of earth bunds was observed at along the seafront of S7.	8. Proper bunding was provided along the seafront of S7.	28 Jun 2016
15 Jun 2016	1. Slit curtain was misaligned at Portion X. 2. Stagnant water was observed at A2. 3. Exposed stockpile of sand was observed at N20. 4. Stagnant water was observed at S11. 5. Oil stain was observed at S11. 6. Untreated runoff flowing into the gully outside S15 was observed. 7. No drip tray was provided for chemical containers at S15.	1. The silt curtain was maintained at portion X. 2. The stagnant water was removed at A2. 3. The stockpile of sand was covered by tarpaulin at N20. 4. The stagnant water was removed at S11. 5. The oil stain was cleaned up at S11. 6. The discharge of untreated runoff into the gully was stopped. 7. A drip tray was provided for the chemical containers at S15.	22 Jun 2016
	8. No NRMM label was displayed on generator at S15.	8. A NRMM label was displayed on the generator at S15.	28 Jun 2016

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
22 Jun 2016	1. No NRMM label was displayed on a generator at N30. 2. Stagnant water was found at S8. 3. The cement mixing station was not completely enclosed at S11. 4. More than 20 bags of cement were not covered with tarpaulin at S11. 5. Stagnant water was observed inside a drip tray at S11. 6. Stagnant water was found at S11. 7. Accumulation of rubbish was observed at S25. 8. Accumulation of rubbish was observed at West Portal.	1. NRMM label was provided for the generator at N30. 2. The stagnant water at S8 was removed. 3. The cement mixing station was covered at top and 3-side with impervious tarpaulin. 4. The bags of cement were covered with tarpaulin at S11. 5. The stagnant water was cleared at S11. 6. The accumulated rubbish was removed at S25. 7. The accumulated rubbish was removed at West Portal.	28 Jun 2016
28 Jun 2016	1. Silt curtains were not properly aligned at Portion X. 2. Stagnant water was observed at HMA. 3. No drip tray was provided for chemical containers at HMA. 4. General refuse was accumulated at HMA. 5. Chemical label was not provided for chemical containers at HMA. 6. Wheel washing facilities were not operating at N30. 7. General refuse was accumulated at N30.	<u>The Contractor was recommended to:</u> 1. maintain and check the silt curtains regularly at Portion X. 2. clear the stagnant water to avoid mosquito breeding at HMA. 3. provide drip trays for the chemical containers at HMA. 4. remove the general refuse promptly at HMA. 5. provide chemical labels for the chemical containers at HMA. 6. operate wheel washing facilities properly at all times at N30. 7. remove the general refuse promptly at N30.	Follow-up actions for the observations issued for the last weekly site inspection of the reporting month will be inspected during the next site inspections.

Notes:
* Outstanding observations.

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 inspections.

7.2 Advice on the Solid and Liquid Waste Management Status

7.2.1 The Contractor registered as a chemical waste producer for the Project. 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 No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at AMS5 and AMS6 during the reporting month.

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

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

7.6 Summary of Complaints, Notification of Summons and Successful Prosecution

7.6.1 There was one complaint received during the reporting month. The summary of environmental complaint is presented in **Table 7.2**. The details of cumulative statistics of Environmental Complaints are provided in **Appendix K**.

Table 7.2 A Summary of Environmental Complaint for the Reporting Month

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaint
COM-2016-087	28 June 2016	Water Quality

7.6.2 Complaint investigations were undertaken and no non-compliance was identified.

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

7.6.4 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 July 2016 are summarized in **Table 8.1**.

Table 8.1 Construction Activities for July 2016

Site Area	Description of Activities
Portion X	Dismantling/Trimming of Temporary 40mm Stone Platform for Construction of Seawall
Portion X	Filling Works behind Stone Platform
Portion X	Construction of Seawall
Portion X	Loading and Unloading of Filling Material
Portion X	Pipe Piling
Portion X	Excavation and Lateral Support Works at Scenic Hill Tunnel (Cut & Cover Tunnel)
Portion X	Construction of Tunnel Box Structure at Scenic Hill Tunnel (Cut & Cover Tunnel)
Portion X and Y	Pipe Piling, Sheet Piling and Jet Grouting works for Scenic Hill Tunnel (Cut & Cover Tunnel)
Kwo Lo Wan Road	Lateral support works at shaft 3 extension north shaft (Package T1.12.1)
Portion X	Excavation for Diversion of culvert PR9 and PR14
Portion X	Excavation for HKBCF to Airport Tunnel
Airport Road	Works for Diversion of Airport Road
Airport Road / Airport Express Line/East Coast Road	Utilities Detection
Airport Road / Airport Express Line/East Coast Road	Establishment of Site Access
Airport Road/Airport Express Line	Pipe Roofing Drilling/ Mined Tunnel Excavation/ Box Jacking underneath Airport Road and Airport Express Line
Portion X	Excavation and Lateral Support Works for HKBCF to Airport Tunnel East (Cut & Cover Tunnel)
Airport Road	Excavation and Lateral Support Works for HKBCF to Airport Tunnel West (Cut & Cover Tunnel)
Airport Road	Canopy pipe installation for HKBCF to Airport Tunnel West (Cut & Cover Tunnel)
Portion Y	Utility Culvert Excavation
Portion Y	Sub-structure & superstructure works for Highway Operation and Maintenance Area Building
West Portal	Excavation for Scenic Hill Tunnel
West Portal	Superstructure 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 July 2016 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 forty-fifth 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 30 June2016.

Air Quality

9.1.2 No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at AMS5 and AMS6 during the reporting month.

Noise

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

Water Quality

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

Dolphin

9.1.5 During the June'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.

9.1.6 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 (June – August 2016) and baseline monitoring period (3-month period) will be made.

Mudflat

9.1.7 This measurement result was generally and relatively higher than the baseline measurement at S1, S2, S3 and S4. The mudflat level is continuously increased.

9.1.8 The June 2016 survey results indicate that the impacts of the HKLR project could not be detected on horseshoe crabs, seagrass and intertidal soft shore community.

Environmental Site Inspection and Audit

9.1.9 Environmental site inspection was carried out on 1, 8, 15, 22 and 28 June 2016. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.

9.1.1 There was one complaint received in relation to the environmental impact during the reporting period. Complaint investigations were undertaken and no non-compliance was identified.

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

FIGURES

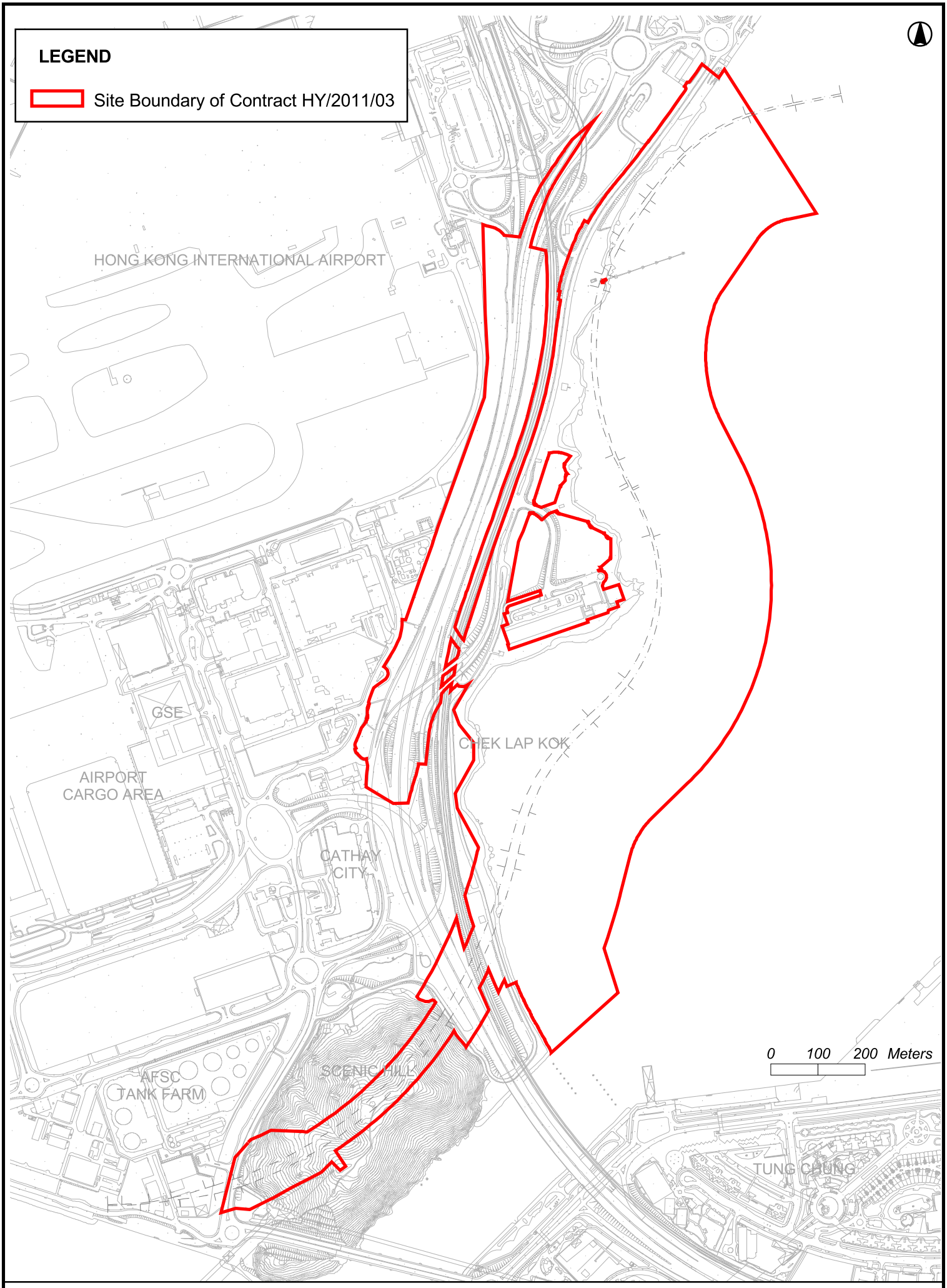
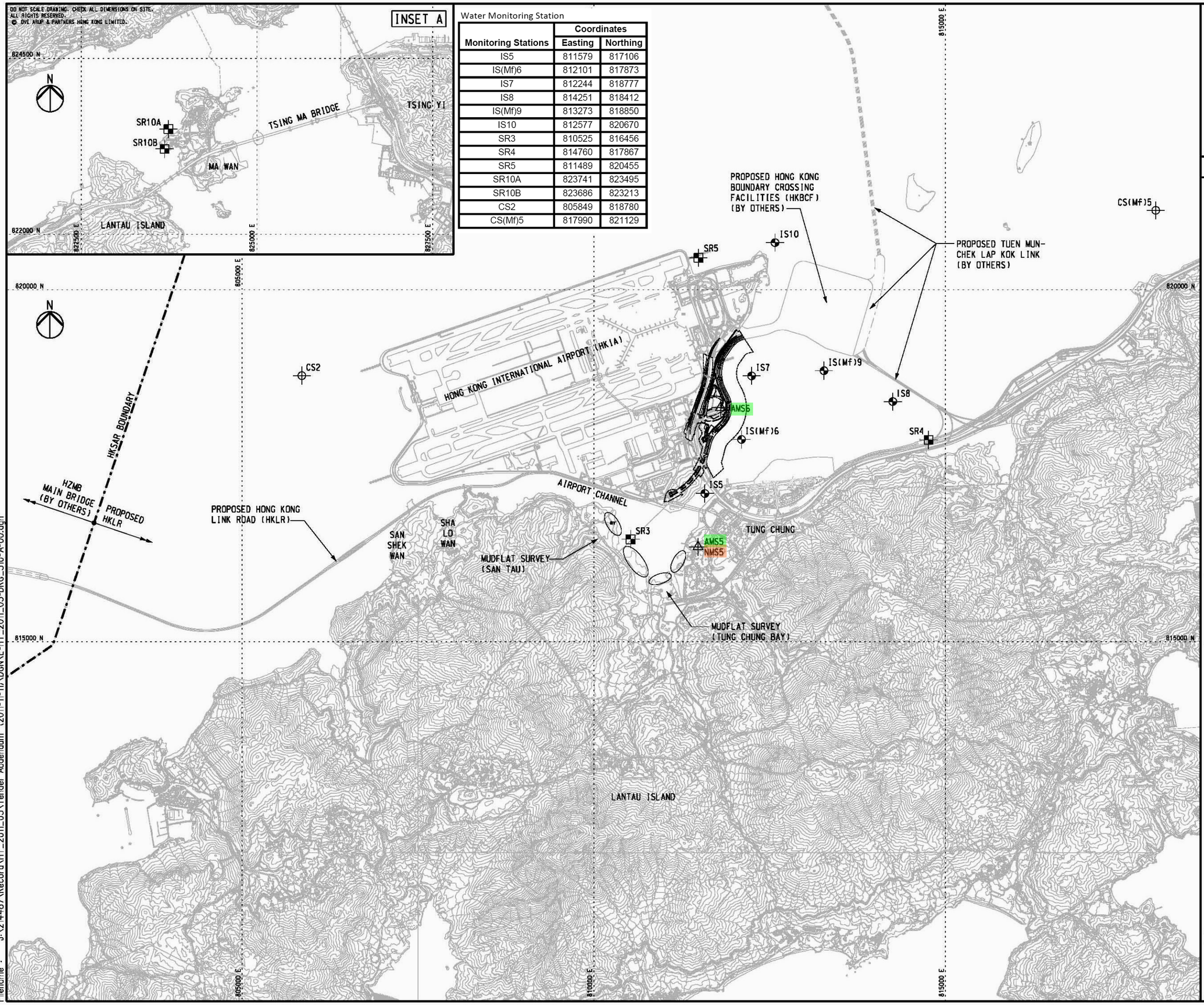


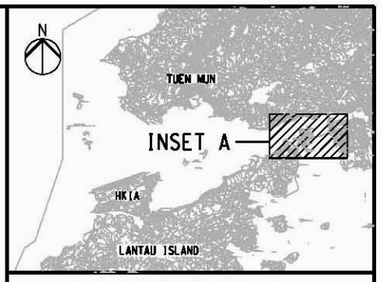
Figure 1.1 Location of the Site

INSET A

Water Monitoring Station

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	812577	820670
SR3	810525	816456
SR4	814760	817867
SR5	811489	820455
SR10A	823741	823495
SR10B	823686	823213
CS2	805849	818780
CS(Mf)5	817990	821129





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

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			Rev.
Figure 2.1			A
Drawn: RY	Date: 11/11	Checked: AW	Approved: SK
Scale: As shown		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
SR3	810508	816473

LEGEND:

- WORKS BOUNDARY
- SR3 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 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
MUDFLAT SURVEY AREAS

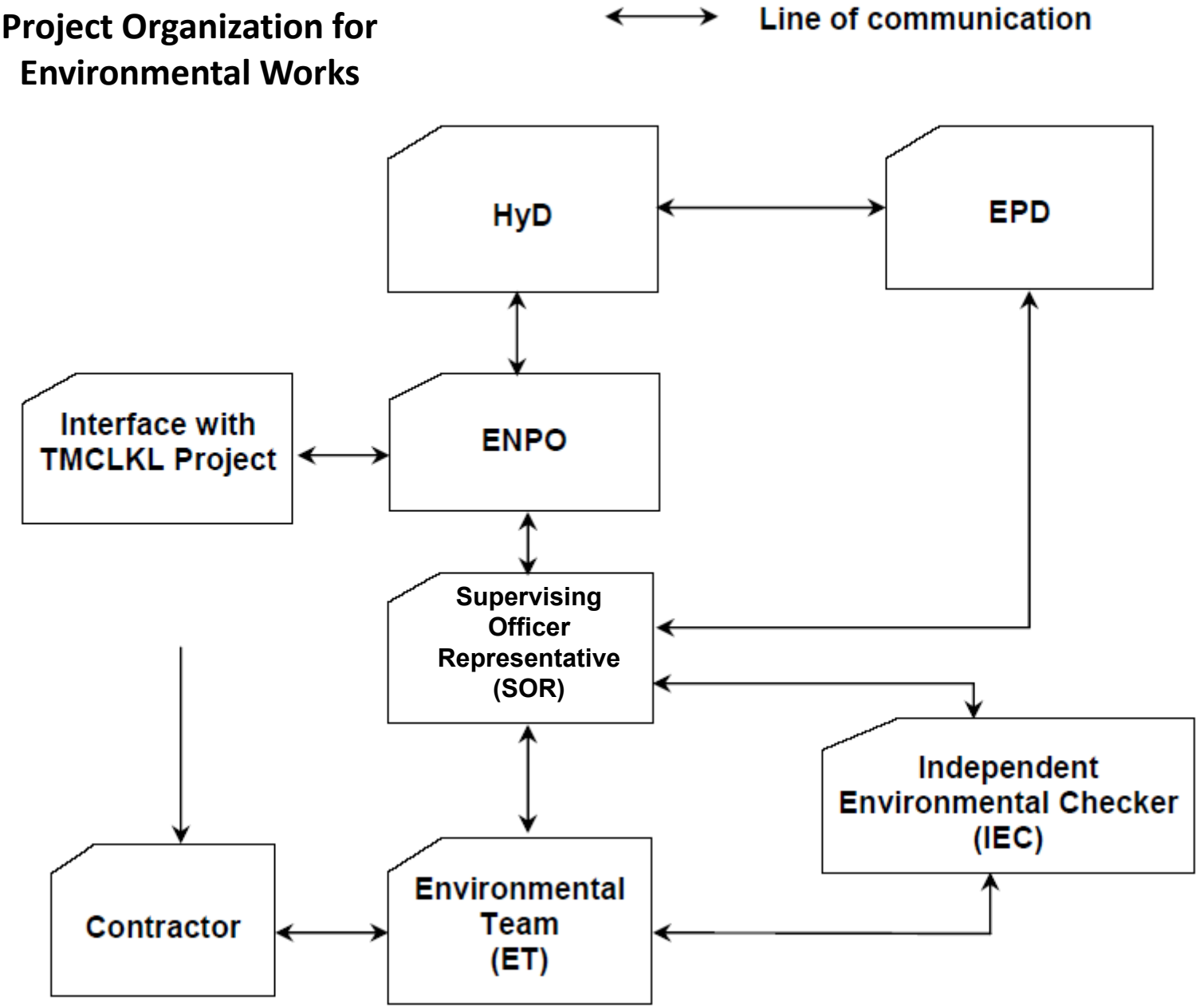
Drawing no. FIGURE 6.1		Rev. -	
Drawn ACL	Date 26 SEP 2012	Checked -	Approved -
Scale @ A1	1 : 7500	Status	-

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

APPENDIX A

Environmental Management Structure

Project Organization for Environmental Works



APPENDIX B

Construction Programme

FILE: 3M50 (Rev.00)

Sheet 1 of 9

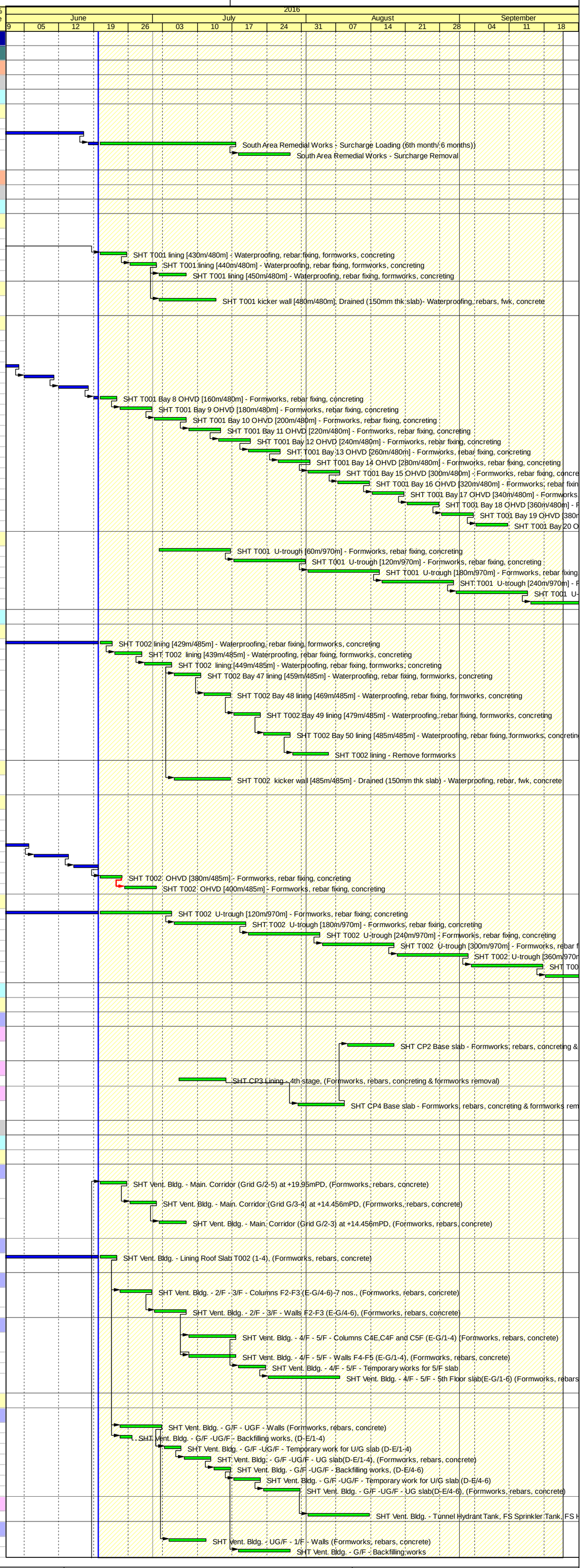
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Layout HZMB - (3M50)

TASK filters: 3M50, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
3 MONTHS PROGRAMME HY/2011/03 (Jul 2016 to Sep 2016)(Rev0)					
WORKS IN SOUTH AREA - CH 13+516 to CH 15+050 (SCENIC HILL TUNNEL, MT & CCT)					
Reclamation Works					
Area 1: Outstanding Remedial Works to Seawall - SWCH 0+450 to SWCH 0+780 (300m)					
Surcharge					
Area 3A-2					
A1181	South Area Remedial Works - Surcharge Loading (4th month / 6 months)	30d	18-Apr-16 A	17-May-16 A	100%
A1201	South Area Remedial Works - Surcharge Loading (5th month/ 6 months)	30d	18-May-16 A	17-Jun-16 A	100%
A1211	South Area Remedial Works - Surcharge Loading (6th month/ 6 months))	30d	18-Jun-16 A	17-Jul-16	6.67%
A1191	South Area Remedial Works - Surcharge Removal	11d	18-Jul-16	28-Jul-16	0%
SHT Mined Tunnel Works at Scenic Hill					
Mined Tunnel through Scenic Hill [480m Approx.]					
To Zhuhai-Macao [4-Lane] Carriageway - T001					
T001 Lining					
SHT4960	SHT T001 lining [410m/480m] - Waterproofing, rebar fixing, formworks, concreting	6d	16-Apr-16 A	25-May-16 A	100%
SHT4970	SHT T001 lining [420m/480m] - Waterproofing, rebar fixing, formworks, concreting	6d	23-May-16 A	28-May-16 A	100%
SHT4980	SHT T001 lining [430m/480m] - Waterproofing, rebar fixing, formworks, concreting	6d	20-Jun-16	25-Jun-16	0%
SHT4990	SHT T001 lining [440m/480m] - Waterproofing, rebar fixing, formworks, concreting	6d	26-Jun-16	01-Jul-16	0%
SHT5010	SHT T001 lining [450m/480m] - Waterproofing, rebar fixing, formworks, concreting	6d	02-Jul-16	07-Jul-16	0%
T001 Kicker Wall					
SHT4000-19	SHT T001 kicker wall [480m/480m], Drained (150mm thk slab)- Waterproofing, rebars, fwk, concrete	12d	02-Jul-16	13-Jul-16	0%
T001 OHVD					
SHT5110-2	SHT T001 Bay 2 OHVD [30m/480m] - Formworks, rebar fixing, concreting	7d	06-May-16 A	13-May-16 A	100%
SHT5110-3	SHT T001 Bay 3 OHVD [50m/480m] - Formworks, rebar fixing, concreting	7d	14-May-16 A	20-May-16 A	100%
SHT5110-4	SHT T001 Bay 4 OHVD [70m/480m] - Formworks, rebar fixing, concreting	7d	21-May-16 A	28-May-16 A	100%
SHT5110-5	SHT T001 Bay 5 OHVD [90m/480m] - Formworks, rebar fixing, concreting	7d	29-May-16 A	04-Jun-16 A	100%
SHT5110-6	SHT T001 Bay 6 OHVD [120m/480m] - Formworks, rebar fixing, concreting	7d	05-Jun-16 A	11-Jun-16 A	100%
SHT5110-7	SHT T001 Bay 7 OHVD [140m/480m] - Formworks, rebar fixing, concreting	7d	12-Jun-16 A	18-Jun-16 A	100%
SHT5110-8	SHT T001 Bay 8 OHVD [160m/480m] - Formworks, rebar fixing, concreting	7d	19-Jun-16 A	23-Jun-16	20%
SHT5110-9	SHT T001 Bay 9 OHVD [180m/480m] - Formworks, rebar fixing, concreting	7d	24-Jun-16	30-Jun-16	0%
SHT5110-10	SHT T001 Bay 10 OHVD [200m/480m] - Formworks, rebar fixing, concreting	7d	01-Jul-16	07-Jul-16	0%
SHT5110-20	SHT T001 Bay 11 OHVD [220m/480m] - Formworks, rebar fixing, concreting	7d	08-Jul-16	14-Jul-16	0%
SHT5110-30	SHT T001 Bay 12 OHVD [240m/480m] - Formworks, rebar fixing, concreting	7d	14-Jul-16	20-Jul-16	0%
SHT5110-40	SHT T001 Bay 13 OHVD [260m/480m] - Formworks, rebar fixing, concreting	7d	20-Jul-16	26-Jul-16	0%
SHT5110-50	SHT T001 Bay 14 OHVD [280m/480m] - Formworks, rebar fixing, concreting	7d	26-Jul-16	01-Aug-16	0%
SHT5110-60	SHT T001 Bay 15 OHVD [300m/480m] - Formworks, rebar fixing, concreting	7d	01-Aug-16	07-Aug-16	0%
SHT5110-70	SHT T001 Bay 16 OHVD [320m/480m] - Formworks, rebar fixing, concreting	7d	07-Aug-16	13-Aug-16	0%
SHT5110-80	SHT T001 Bay 17 OHVD [340m/480m] - Formworks, rebar fixing, concreting	7d	14-Aug-16	20-Aug-16	0%
SHT5110-90	SHT T001 Bay 18 OHVD [360m/480m] - Formworks, rebar fixing, concreting	7d	21-Aug-16	27-Aug-16	0%
SHT5110-100	SHT T001 Bay 19 OHVD [380m/480m] - Formworks, rebar fixing, concreting	7d	28-Aug-16	03-Sep-16	0%
SHT5110-110	SHT T001 Bay 20 OHVD [400m/480m] - Formworks, rebar fixing, concreting	7d	04-Sep-16	10-Sep-16	0%
T001 Utility Trough					
SHT7510-115	SHT T001 U-trough [60m/970m] - Formworks, rebar fixing, concreting	15d	02-Jul-16*	16-Jul-16	0%
SHT7510-125	SHT T001 U-trough [120m/970m] - Formworks, rebar fixing, concreting	15d	17-Jul-16	31-Jul-16	0%
SHT7510-135	SHT T001 U-trough [180m/970m] - Formworks, rebar fixing, concreting	15d	01-Aug-16	15-Aug-16	0%
SHT7510-145	SHT T001 U-trough [240m/970m] - Formworks, rebar fixing, concreting	15d	16-Aug-16	30-Aug-16	0%
SHT7510-155	SHT T001 U-trough [300m/970m] - Formworks, rebar fixing, concreting	15d	31-Aug-16	14-Sep-16	0%
SHT7510-165	SHT T001 U-trough [360m/970m] - Formworks, rebar fixing, concreting	15d	15-Sep-16	29-Sep-16	0%
To HKBCF [3-Lane] Carriageway - T002					
T002 Lining					
SHT7470	SHT T002 lining [429m/485m] - Waterproofing, rebar fixing, formworks, concreting	6d	31-Mar-16 A	22-Jun-16	10%
SHT7480	SHT T002 lining [439m/485m] - Waterproofing, rebar fixing, formworks, concreting	6d	23-Jun-16	28-Jun-16	0%
SHT7490	SHT T002 lining [449m/485m] - Waterproofing, rebar fixing, formworks, concreting	6d	29-Jun-16	04-Jul-16	0%
SHT7520	SHT T002 Bay 47 lining [459m/485m] - Waterproofing, rebar fixing, formworks, concreting	6d	05-Jul-16	10-Jul-16	0%
SHT7530	SHT T002 Bay 48 lining [469m/485m] - Waterproofing, rebar fixing, formworks, concreting	6d	11-Jul-16	16-Jul-16	0%
SHT7540	SHT T002 Bay 49 lining [479m/485m] - Waterproofing, rebar fixing, formworks, concreting	6d	17-Jul-16	22-Jul-16	0%
SHT7550	SHT T002 Bay 50 lining [485m/485m] - Waterproofing, rebar fixing, formworks, concreting (Except CP5)	6d	23-Jul-16	28-Jul-16	0%
SHT7160	SHT T002 lining - Remove formworks	8d	29-Jul-16	05-Aug-16	0%
T002 Kicker Wall					
SHT6500-23	SHT T002 kicker wall [485m/485m] - Drained (150mm thk slab) - Waterproofing, rebar, fwk, concrete	12d	05-Jul-16	16-Jul-16	0%
T002 OHVD					
SHT7510-13	SHT T002 OHVD [260m/485m] - Formworks, rebar fixing, concreting	7d	07-May-16 A	16-May-16 A	100%
SHT7510-14	SHT T002 OHVD [280m/485m] - Formworks, rebar fixing, concreting	7d	17-May-16 A	23-May-16 A	100%
SHT7510-15	SHT T002 OHVD [300m/485m] - Formworks, rebar fixing, concreting	7d	24-May-16 A	31-May-16 A	100%
SHT7510-16	SHT T002 OHVD [320m/485m] - Formworks, rebar fixing, concreting	7d	01-Jun-16 A	06-Jun-16 A	100%
SHT7510-17	SHT T002 OHVD [340m/485m] - Formworks, rebar fixing, concreting	7d	07-Jun-16 A	14-Jun-16 A	100%
SHT7510-18	SHT T002 OHVD [360m/485m] - Formworks, rebar fixing, concreting	7d	15-Jun-16 A	20-Jun-16 A	100%
SHT7510-19	SHT T002 OHVD [380m/485m] - Formworks, rebar fixing, concreting	7d	20-Jun-16 A	24-Jun-16	28.57%
SHT7510-20	SHT T002 OHVD [400m/485m] - Formworks, rebar fixing, concreting	7d	25-Jun-16	01-Jul-16	0%
T002 Utility Trough					
SHT7510-55	SHT T002 U-trough [120m/970m] - Formworks, rebar fixing, concreting	15d	25-Apr-16 A	04-Jul-16	80%
SHT7510-65	SHT T002 U-trough [180m/970m] - Formworks, rebar fixing, concreting	15d	05-Jul-16	19-Jul-16	0%
SHT7510-75	SHT T002 U-trough [240m/970m] - Formworks, rebar fixing, concreting	15d	20-Jul-16	03-Aug-16	0%
SHT7510-85	SHT T002 U-trough [300m/970m] - Formworks, rebar fixing, concreting	15d	04-Aug-16	18-Aug-16	0%
SHT7510-95	SHT T002 U-trough [360m/970m] - Formworks, rebar fixing, concreting	15d	19-Aug-16	02-Sep-16	0%
SHT7510-105	SHT T002 U-trough [420m/970m] - Formworks, rebar fixing, concreting	15d	03-Sep-16	17-Sep-16	0%
SHT7510-215	SHT T002 U-trough [480m/970m] - Formworks, rebar fixing, concreting	15d	18-Sep-16	02-Oct-16	0%
Cross Passages					
Civil & Structural and E&M Works					
Cross Passage At Mined Tunnel - 5 nos.					
Cross Passage - CP2					
SHT9060-9	SHT CP2 Base slab - Formworks, rebars, concreting & formworks removal	10d	09-Aug-16	18-Aug-16	0%
Cross Passage - CP3					
SHT9060-10	SHT CP3 Lining - 4th stage, (Formworks, rebars, concreting & formworks removal)	10d	06-Jul-16*	15-Jul-16	0%
Cross Passage - CP4					
SHT9060-120	SHT CP4 Base slab - Formworks, rebars, concreting & formworks removal	10d	30-Jul-16	08-Aug-16	0%
Ventilation Building					
RC Works					
T002 - Area between E-G/1-6					
Maintenance corridor					
SHT9958	SHT Vent. Bldg. - Main. Corridor (Grid G/2-5) at +19.95mPD, (Formworks, rebars, concrete)	6d	20-Jun-16	25-Jun-16	0%
SHT9968	SHT Vent. Bldg. - Main. Corridor (Grid G/3-4) at +14.456mPD, (Formworks, rebars, concrete)	6d	26-Jun-16	01-Jul-16	0%
SHT9978	SHT Vent. Bldg. - Main. Corridor (Grid G/2-3) at +14.456mPD, (Formworks, rebars, concrete)	6d	02-Jul-16	07-Jul-16	0%
Ground Floor - 1st Floor					
SHT10238	SHT Vent. Bldg. - Lining Roof Slab T002 (1-4), (Formworks, rebars, concrete)	12d	07-Apr-16 A	23-Jun-16	50%
2nd Floor - 3rd Floor					
SHT8112	SHT Vent. Bldg. - 2/F - 3/F - Columns F2-F3 (E-G/4-6)-7 nos., (Formworks, rebars, concrete)	7d	24-Jun-16	30-Jun-16	0%
SHT8410	SHT Vent. Bldg. - 2/F - 3/F - Walls F2-F3 (E-G/4-6), (Formworks, rebars, concrete)	7d	01-Jul-16	07-Jul-16	0%
4th Floor - 5th Floor					
SHT8592	SHT Vent. Bldg. - 4/F - 5/F - Columns C4E,C4F and C5F (E-G/1-4) (Formworks, rebars, concrete)	10d	08-Jul-16	17-Jul-16	0%
SHT8602	SHT Vent. Bldg. - 4/F - 5/F - Walls F4-F5 (E-G/1-4), (Formworks, rebars, concrete)	10d	08-Jul-16	17-Jul-16	0%
SHT8612	SHT Vent. Bldg. - 4/F - 5/F - Temporary works for 5/F slab	6d	18-Jul-16	23-Jul-16	0%
SHT8622	SHT Vent. Bldg. - 4/F - 5/F - 5th Floor slab(E-G/1-6) (Formworks, rebars, concrete)	15d	24-Jul-16	07-Aug-16	0%
Area between D-E/1-6					
Ground Floor - Upper Ground Floor					
SHT8682	SHT Vent. Bldg. - G/F - UGF - Walls (Formworks, rebars, concrete)	7d	24-Jun-16	02-Jul-16	0%
SHT8182	SHT Vent. Bldg. - G/F -UG/F - Backfilling works, (D-E/1-4)	3d	24-Jun-16	26-Jun-16	0%
SHT8192	SHT Vent. Bldg. - G/F -UG/F - Temporary work for U/G slab (D-E/1-4)	4d	03-Jul-16	06-Jul-16	0%
SHT8202	SHT Vent. Bldg. - G/F -UG/F - UG slab(D-E/1-4), (Formworks, rebars, concrete)	6d	07-Jul-16	12-Jul-16	0%
SHT8232	SHT Vent. Bldg. - G/F -UG/F - Backfilling works, (D-E/4-6)	4d	13-Jul-16	16-Jul-16	0%
SHT8242	SHT Vent. Bldg. - G/F -UG/F - Temporary work for U/G slab (D-E/4-6)	6d	17-Jul-16	22-Jul-16	0%
SHT8252	SHT Vent. Bldg. - G/F -UG/F - UG slab(D-E/4-6), (Formworks, rebars, concrete)	8d	23-Jul-16	30-Jul-16	0%
Water Tank					
SHT9998	SHT Vent. Bldg. - Tunnel Hydrant Tank, FS Sprinkler Tank, FS Hydrant Tank	12d	01-Aug-16	13-Aug-16	0%
Upper Ground Floor - 1st Floor					
SHT8692	SHT Vent. Bldg. - UG/F - 1/F - Walls (Formworks, rebars, concrete)	7d	04-Jul-16	11-Jul-16	0%
SHT8432	SHT Vent. Bldg. - G/F - Backfilling works	10d	18-Jul-16	28-Jul-16	0%



Works Programme

Works Programme

Works Programme

Milestone

Milestone

Works Programme

China State Construction Engineering (Hong Kong) Ltd -

Contract No. HY/2011/03 - HZMB, Hong Kong Link Road

, Section between Scenic Hill and HKBCF

Prepared by CKK

Date	Revision	Checked	Approved
29-Jun-16		WC	SYT

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

FILE: 3M50 (Rev.00)

Sheet 2 of 9

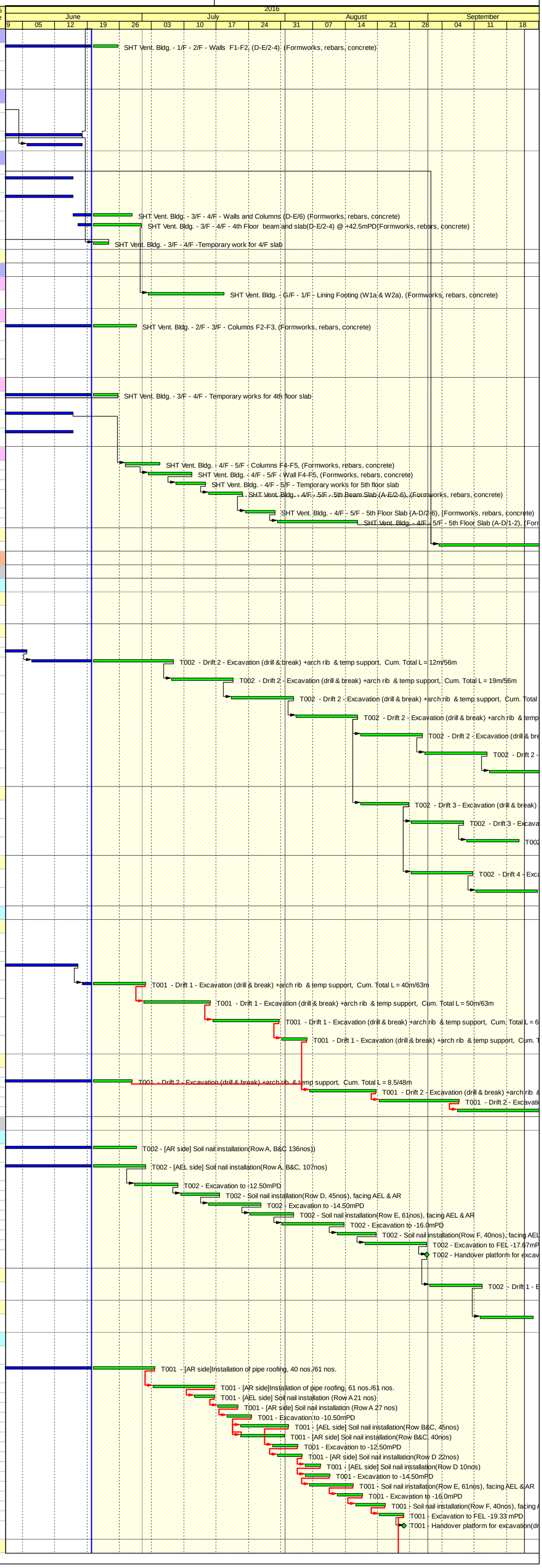
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Layout HZMB - (3M50)

TASK filters: 3M50, HZMB No Level Effort.

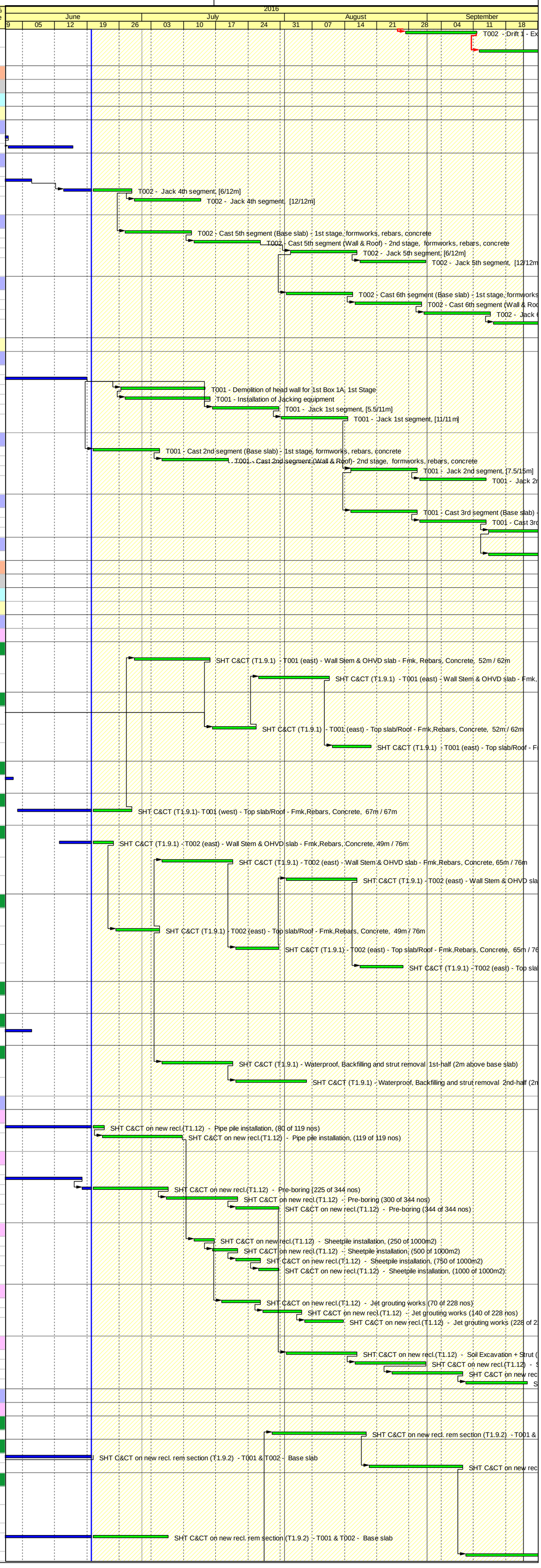
Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
1st Floor - 2nd Floor					
SHT8462	SHT Vent. Bldg. - 1/F - 2/F - Walls F1-F2, (D-E/2-4) (Formworks, rebars, concrete)	8d	16-Feb-16 A	25-Jun-16	25%
SHT10258	SHT Vent. Bldg. - 1/F - 2/F - Walls ((D-E/5-6) (Formworks, rebars, concrete)	8d	07-May-16 A	12-May-16 A	100%
SHT10248	SHT Vent. Bldg. - 1/F - 2/F - 2nd Floor slab & beam (D-E/5-6) (Formworks, rebars, concrete)	8d	12-May-16 A	19-May-16 A	100%
2nd Floor - 3rd Floor					
SHT10288	SHT Vent. Bldg. - 2/F - 3/F -Temporary work for 3/F slab (D-E/5-6)	4d	07-May-16 A	12-May-16 A	100%
SHT10268	SHT Vent. Bldg. - 2/F - 3/F - 3rd Floor wall, column, slab & beam (D-E/2-3) (Formworks, rebars, concrete)	8d	12-May-16 A	16-May-16 A	100%
SHT10278	SHT Vent. Bldg. - 2/F - 3/F - Walls & Column ((D-E/6) (Formworks, rebars, concrete)	8d	17-May-16 A	18-Jun-16 A	100%
SHT10378	SHT Vent. Bldg. - 2/F - 3/F - Beam and Slab for 3/F (D-E/5-6)	4d	06-Jun-16 A	18-Jun-16 A	100%
3rd Floor - 4th Floor					
SHT8562	SHT Vent. Bldg. - 3/F - 4/F - Transformer Room	4d	03-May-16 A	17-May-16 A	100%
SHT8542	SHT Vent. Bldg. - 3/F - 4/F - Walls and Columns F3 - F4, (Formworks, rebars, concrete)	6d	01-Jun-16 A	16-Jun-16 A	100%
SHT8572	SHT Vent. Bldg. - 3/F - 4/F - 4th Floor beam and slab(D-E/2-4) @ +39.8mPD(Formworks, rebars, concrete)	13d	01-Jun-16 A	16-Jun-16 A	100%
SHT10388	SHT Vent. Bldg. - 3/F - 4/F - Walls and Columns (D-E/6) (Formworks, rebars, concrete)	6d	16-Jun-16 A	28-Jun-16	0%
SHT10398	SHT Vent. Bldg. - 3/F - 4/F - 4th Floor beam and slab(D-E/2-4) @ +42.5mPD(Formworks, rebars, concrete)	13d	17-Jun-16 A	30-Jun-16	23.08%
SHT10308	SHT Vent. Bldg. - 3/F - 4/F -Temporary work for 4/F slab	4d	20-Jun-16	23-Jun-16	0%
T001 - Area between A-D/1-6					
T001 - Area between A-D/1-6					
Ground Floor - 1st Floor					
SHT10408	SHT Vent. Bldg. - G/F - 1/F - Lining Footing (W1a & W2a), (Formworks, rebars, concrete)	14d	02-Jul-16	18-Jul-16	0%
2nd Floor - 3rd Floor					
SHT10038	SHT Vent. Bldg. - 2/F - 3/F - Columns F2-F3, (Formworks, rebars, concrete)	6d	19-Mar-16 A	29-Jun-16	5%
SHT10328	SHT Vent. Bldg. - 2/F - 3/F - 3rd Floor slab (A-D/2-4), (Formworks, rebars, concrete)	10d	29-Apr-16 A	16-May-16 A	100%
SHT10338	SHT Vent. Bldg. - 2/F - 3/F - 3rd Floor beam, slab (A-D/1-2), (Formworks, rebars, concrete)	10d	16-May-16 A	27-May-16 A	100%
3rd Floor - 4th Floor					
SHT10178	SHT Vent. Bldg. - 3/F - 4/F - Temporary works for 4th floor slab	6d	20-May-16 A	25-Jun-16	2%
SHT10188	SHT Vent. Bldg. - 3/F - 4/F - 4th Floor Wall, Column, Beam and Slab (A-B/2-6), (Formworks, rebars, concrete)	12d	28-May-16 A	16-Jun-16 A	100%
SHT10348	SHT Vent. Bldg. - 3/F - 4/F - 4th Floor Wall, Column, Beam and Slab (B-D/4-6), (Formworks, rebars, concrete)	12d	28-May-16 A	16-Jun-16 A	100%
4th Floor - 5th Floor					
SHT10198	SHT Vent. Bldg. - 4/F - 5/F - Columns F4-F5, (Formworks, rebars, concrete)	6d	27-Jun-16	04-Jul-16	0%
SHT10208	SHT Vent. Bldg. - 4/F - 5/F - Wall F4-F5, (Formworks, rebars, concrete)	8d	02-Jul-16	11-Jul-16	0%
SHT10218	SHT Vent. Bldg. - 4/F - 5/F - Temporary works for 5th floor slab	6d	08-Jul-16	14-Jul-16	0%
SHT10228	SHT Vent. Bldg. - 4/F - 5/F - 5th Beam Slab (A-E/2-6), (Formworks, rebars, concrete)	7d	15-Jul-16	22-Jul-16	0%
SHT10368	SHT Vent. Bldg. - 4/F - 5/F - 5th Floor Slab (A-D/2-6), (Formworks, rebars, concrete)	6d	23-Jul-16	29-Jul-16	0%
SHT10358	SHT Vent. Bldg. - 4/F - 5/F - 5th Floor Slab (A-D/1-2), (Formworks, rebars, concrete)	15d	30-Jul-16	16-Aug-16	0%
ABWF					
SHT10118	SHT Vent. Bldg. - G/F - 1/F - ABWF	24d	03-Sep-16	03-Oct-16	0%
Mined Tunnel Under Airport Road between SHAFT 1 & SHAFT 2(by Drill & Break)					
Mined Tunnel Works - Drive from Shaft 1(by Drill & Break)					
T002 (from Shaft 1)					
T002 - Drift 1					
SHT2120-65	T002 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 51m/51m	12d	04-May-16 A	18-May-16 A	100%
T002 - Drift 2					
SHT2120-68	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 3m/56m	11d	27-Jan-16 A	27-May-16 A	100%
SHT2120-70	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 6m/56m	11d	28-May-16 A	06-Jun-16 A	100%
SHT2120-72	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 12m/56m	11d	07-Jun-16 A	07-Jul-16	21%
SHT2120-74	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 19m/56m	14d	07-Jul-16	20-Jul-16	0%
SHT2120-76	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 26m/56m	14d	20-Jul-16	02-Aug-16	0%
SHT2120-80	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 33 m/56m	14d	03-Aug-16	16-Aug-16	0%
SHT2120-82	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 40m/56m	14d	17-Aug-16	30-Aug-16	0%
SHT2120-84	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 47m/56m	14d	31-Aug-16	13-Sep-16	0%
SHT2120-290	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 54m/56m	14d	14-Sep-16	27-Sep-16	0%
T002 - Drift 3					
SHT2120-88	T002 - Drift 3 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 15m/31m	11d	17-Aug-16	27-Aug-16	0%
SHT2120-90	T002 - Drift 3 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 21m/31m	12d	28-Aug-16	08-Sep-16	0%
SHT2120-92	T002 - Drift 3 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 27m/31m	12d	09-Sep-16	20-Sep-16	0%
T002 - Drift 4					
SHT2120-102	T002 - Drift 4 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 16m/26m	14d	28-Aug-16	10-Sep-16	0%
SHT2120-104	T002 - Drift 4 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 26m/26m	14d	11-Sep-16	24-Sep-16	0%
T001 (from Shaft 1)					
T001 - Drift 1					
SHT2121-58	T001 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 20m/63m	15d	12-Apr-16 A	18-May-16 A	100%
SHT2121-60	T001 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L =25m/63m	15d	18-May-16 A	31-May-16 A	100%
SHT2121-62	T001 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 30m/63m	15d	31-May-16 A	17-Jun-16 A	100%
SHT2121-64	T001 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 40m/63m	15d	18-Jun-16 A	01-Jul-16	28%
SHT2121-66	T001 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 50m/63m	15d	01-Jul-16	15-Jul-16	0%
SHT2121-76	T001 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 60m/63m	15d	16-Jul-16	30-Jul-16	0%
SHT2121-104	T001 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 63m/63m	6d	31-Jul-16	05-Aug-16	0%
T001 - Drift 2					
SHT2121-68	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 5m/48m	14d	20-Apr-16 A	18-May-16 A	100%
SHT2121-70	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 8.5/48m	15d	18-May-16 A	28-Jun-16	50%
SHT2121-80	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 16/48m	15d	06-Aug-16	20-Aug-16	0%
SHT2121-90	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 23/48m	18d	21-Aug-16	07-Sep-16	0%
SHT2121-92	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 30/48m	18d	07-Sep-16	28-Sep-16	0%
Mined Tunnel Works - Drive from Shaft 2 (by Drill & Break)					
T002 (from Shaft 2)					
SHT2122-110	T002 - [AR side] Soil nail installation(Row A, B&C 136nos))	10d	05-Apr-16 A	29-Jun-16	50%
SHT2122-52	T002 - [AEL side] Soil nail installation(Row A, B&C, 107nos)	12d	11-Apr-16 A	01-Jul-16	71%
SHT2122-62	T002 - Excavation to -12.50mPD	10d	29-Jun-16	08-Jul-16	0%
SHT2122-72	T002 - Soil nail installation(Row D, 45nos), facing AEL & AR	9d	09-Jul-16	17-Jul-16	0%
SHT2122-180	T002 - Excavation to -14.50mPD	12d	15-Jul-16	26-Jul-16	0%
SHT2122-190	T002 - Soil nail installation(Row E, 61nos), facing AEL & AR	10d	24-Jul-16	02-Aug-16	0%
SHT2122-200	T002 - Excavation to -16.0mPD	14d	31-Jul-16	13-Aug-16	0%
SHT2122-210	T002 - Soil nail installation(Row F, 40nos), facing AEL & AR	9d	12-Aug-16	20-Aug-16	0%
SHT2122-240	T002 - Excavation to FEL -17.67mPD	14d	18-Aug-16	31-Aug-16	0%
SHT2122-82	T002 - Handover platform for excavation(drill & break) works	0d		31-Aug-16	0%
T002 - Drift 1					
SHT2122-370	T002 - Drift 1 - Excavation (drill & break) +arch rib & temp support, @ 2d/m cycle, Cum. Total L = 6/12m	12d	01-Sep-16	12-Sep-16	0%
T002 - Drift 2					
SHT2122-50	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, @ 2d/m cycle, Cum. Total L = 7.5/12m	12d	12-Sep-16	23-Sep-16	0%
T001 (from Shaft 2)					
SHT2123-37	T001 - [AR side]Installation of pipe roofing, 20 nos./61 nos.	14d	19-Mar-16 A	20-May-16 A	100%
SHT2123-38	T001 - [AR side]Installation of pipe roofing, 40 nos./61 nos.	14d	20-May-16 A	03-Jul-16	15%
SHT2123-39	T001 - [AR side]Installation of pipe roofing, 61 nos./61 nos.	14d	03-Jul-16	16-Jul-16	0%
SHT2122-120	T001 - [AEL side] Soil nail installation (Row A 21 nos)	5d	12-Jul-16	16-Jul-16	0%
SHT2122-130	T001 - [AR side] Soil nail installation (Row A 27 nos)	5d	17-Jul-16	21-Jul-16	0%
SHT2122-140	T001 - Excavation to -10.50mPD	6d	19-Jul-16	24-Jul-16	0%
SHT2122-160	T001 - [AEL side] Soil nail installation(Row B&C, 45nos)	11d	22-Jul-16	01-Aug-16	0%
SHT2122-150	T001 - [AR side] Soil nail installation(Row B&C, 40nos)	10d	22-Jul-16	31-Jul-16	0%
SHT2122-170	T001 - Excavation to -12.50mPD	6d	29-Jul-16	03-Aug-16	0%
SHT2122-220	T001 - [AR side] Soil nail installation(Row D 22nos)	6d	30-Jul-16	04-Aug-16	0%
SHT2122-230	T001 - [AEL side] Soil nail installation(Row D 10nos)	4d	05-Aug-16	08-Aug-16	0%
SHT2122-250	T001 - Excavation to -14.50mPD	6d	05-Aug-16	10-Aug-16	0%
SHT2122-260	T001 - Soil nail installation(Row E, 61nos), facing AEL & AR	10d	06-Aug-16	15-Aug-16	0%
SHT2122-270	T001 - Excavation to -16.0mPD	6d	12-Aug-16	17-Aug-16	0%
SHT2122-280	T001 - Soil nail installation(Row F, 40nos), facing AEL & AR	7d	16-Aug-16	22-Aug-16	0%
SHT2122-290	T001 - Excavation to FEL -19.33 mPD	6d	21-Aug-16	26-Aug-16	0%
SHT2122-300	T001 - Handover platform for excavation(drill & break) works	0d		26-Aug-16	0%
T001 - Drift 1					



3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
SHT2123-130	T002 - Drift 1 - Excavation (drill & break) +arch rib & temp support, @ 2.5d/m cycle, Cum. Total L = 8/15m	16d	27-Aug-16	11-Sep-16	0%
SHT2123-140	T002 - Drift 1 - Excavation (drill & break) +arch rib & temp support, @ 2.5d/m cycle, Cum. Total L = 15/15m	16d	12-Sep-16	27-Sep-16	0%
Mined Tunnel Underneath AEL Ch 14+128 to Ch 14+175					
Civil & Structural Works					
SHT Works under AEL(BOX JACKING) - By Double Jack - 7days 24 hrs					
Box Casting/Jacking - T002 (24 hours working period)					
T002 - 3rd Segment					
BXJ-15451	T002 - Jack 3rd segment, [6/12m]	15d	16-May-16 A	02-Jun-16 A	100%
BXJ-15461	T002 - Jack 3rd segment, [12/12m]	15d	02-Jun-16 A	16-Jun-16 A	100%
T002 - 4th Segment					
BXJ-15471	T002 - Cast 4th segment (Base slab) - 1st stage, formworks, rebars, concrete	15d	09-May-16 A	23-May-16 A	100%
BXJ-15481	T002 - Cast 4th segment (Wall & Roof) - 2nd stage, formworks, rebars, concrete	15d	24-May-16 A	07-Jun-16 A	100%
BXJ-15501	T002 - Jack 4th segment, [6/12m]	15d	14-Jun-16 A	28-Jun-16	40%
BXJ-15511	T002 - Jack 4th segment, [12/12m]	15d	29-Jun-16	13-Jul-16	0%
T002 - 5th Segment					
BXJ-15521	T002 - Cast 5th segment (Base slab) - 1st stage, formworks, rebars, concrete	15d	27-Jun-16	11-Jul-16	0%
BXJ-15531	T002 - Cast 5th segment (Wall & Roof) - 2nd stage, formworks, rebars, concrete	15d	12-Jul-16	26-Jul-16	0%
BXJ-15541	T002 - Jack 5th segment, [6/12m]	15d	02-Aug-16	16-Aug-16	0%
BXJ-15551	T002 - Jack 5th segment, [12/12m]	15d	17-Aug-16	31-Aug-16	0%
T002 - 6th Segment					
BXJ-15561	T002 - Cast 6th segment (Base slab) - 1st stage, formworks, rebars, concrete	15d	01-Aug-16	15-Aug-16	0%
BXJ-15571	T002 - Cast 6th segment (Wall & Roof) - 2nd stage, formworks, rebars, concrete	15d	16-Aug-16	30-Aug-16	0%
BXJ-15581	T002 - Jack 6th segment, [6/12m]	15d	31-Aug-16	14-Sep-16	0%
BXJ-15591	T002 - Jack 6th segment, [12/12m]	15d	15-Sep-16	29-Sep-16	0%
Box Casting/Jacking - T001 (24 hours working period)					
T001 - 1st Segment					
BXJ-1020	T001 - Cast 1st segment (Base slab) - 1st stage, formworks, rebars, concrete	15d	26-Apr-16 A	14-May-16 A	100%
BXJ-1035	T001 - Cast 1st segment (Wall & Roof)- 2nd stage, formworks, rebars, concrete	15d	15-May-16 A	19-Jun-16 A	100%
BXJ-1055	T001 - Demolition of head wall for 1st Box 1A, 1st Stage	19d	26-Jun-16	14-Jul-16	0%
BXJ-1056	T001 - Installation of Jacking equipment	19d	27-Jun-16	15-Jul-16	0%
BXJ-1066	T001 - Jack 1st segment, [5.5/11m]	15d	16-Jul-16	30-Jul-16	0%
BXJ-1076	T001 - Jack 1st segment, [11/11m]	15d	31-Jul-16	14-Aug-16	0%
T001 - 2nd Segment					
BXJ-1040	T001 - Cast 2nd segment (Base slab) - 1st stage, formworks, rebars, concrete	15d	20-Jun-16 A	04-Jul-16	0%
BXJ-1051	T001 - Cast 2nd segment (Wall & Roof)- 2nd stage, formworks, rebars, concrete	15d	05-Jul-16	19-Jul-16	0%
BXJ-1086	T001 - Jack 2nd segment, [7.5/15m]	15d	15-Aug-16	29-Aug-16	0%
BXJ-1096	T001 - Jack 2nd segment, [15/15m]	15d	30-Aug-16	13-Sep-16	0%
T001 - 3rd Segment					
BXJ-15601	T001 - Cast 3rd segment (Base slab) - 1st stage, formworks, rebars, concrete	15d	15-Aug-16	29-Aug-16	0%
BXJ-15611	T001 - Cast 3rd segment (Wall & Roof)- 2nd stage, formworks, rebars, concrete	15d	30-Aug-16	13-Sep-16	0%
BXJ-15621	T001 - Jack 3rd segment, [7.5/15m]	15d	14-Sep-16	28-Sep-16	0%
T001 - 4th Segment					
BXJ-15661	T001 - Cast 4th segment (Base slab) - 1st stage, formworks, rebars, concrete	15d	14-Sep-16	28-Sep-16	0%
CCT Works over Reclaimed Area at Ch 14+212 to Ch 15+050 (828m)					
CCT Works - on New Reclamation [490m Approx.]					
CCT Works in Remaining Section [325m Approx.][Ch 14+375 to Ch 14+700]					
Civil & Structurals Works					
ELS - Tunnel SHT- C&CT (T1.9.1 + Ext. Ch14+315 to Ch14+452/(Ch14+322 to Ch14+474)					
CCT RC Works(T1.9.1+Extension)					
T001(1.9.1) - Wall Stem + OHVD (East Side) Ch386 - Ch448					
SHT1867-285	SHT C&CT (T1.9.1) - T001 (east) - Wall Stem & OHVD slab - Fmk, Rebars, Concrete, 52m / 62m	14d	29-Jun-16	15-Jul-16	0%
SHT1867-581	SHT C&CT (T1.9.1) - T001 (east) - Wall Stem & OHVD slab - Fmk, Rebars, Concrete, 62m / 62m	14d	26-Jul-16	10-Aug-16	0%
T001(1.9.1) - Top Slab/Roof (East Side) Ch386 - Ch448					
SHT1867-100	SHT C&CT (T1.9.1) - T001 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 36m / 62m	6d	09-May-16 A	26-May-16 A	100%
SHT1867-130	SHT C&CT (T1.9.1) - T001 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 52m / 62m	8d	16-Jul-16	25-Jul-16	0%
SHT1867-571	SHT C&CT (T1.9.1) - T001 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 62m / 62m	8d	11-Aug-16	19-Aug-16	0%
T001(1.9.1) - Wall Stem + OHVD (West Side) Ch318 - Ch386					
SHT1867-375	SHT C&CT (T1.9.1) - T001 (west), - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 67m / 67m	12d	16-Apr-16 A	03-Jun-16 A	100%
T001(1.9.1) - Top Slab/Roof (West Side) Ch318 - Ch386					
SHT1867-310	SHT C&CT (T1.9.1)- T001 (west) - Top slab/Roof - Fmk,Rebars, Concrete, 67m / 67m	9d	04-Jun-16 A	28-Jun-16	15%
T002(1.9.1) - Wall Stem + OHVD (East Side) Ch397 - Ch473					
SHT1868-125	SHT C&CT (T1.9.1) - T002 (east) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 49m / 76m	11d	13-Jun-16 A	24-Jun-16	55%
SHT1868-160	SHT C&CT (T1.9.1) - T002 (east) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 65m / 76m	14d	05-Jul-16	20-Jul-16	0%
SHT1868-525	SHT C&CT (T1.9.1) - T002 (east) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 76m / 76m	14d	01-Aug-16	16-Aug-16	0%
T002(1.9.1) - Top Slab/Roof (East Side) Ch397 - Ch473					
SHT1868-130	SHT C&CT (T1.9.1) - T002 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 39m / 76m	6d	29-Apr-16 A	13-May-16 A	100%
SHT1868-135	SHT C&CT (T1.9.1) - T002 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 49m / 76m	7d	25-Jun-16	04-Jul-16	0%
SHT1868-165	SHT C&CT (T1.9.1) - T002 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 65m / 76m	9d	21-Jul-16	30-Jul-16	0%
SHT1868-535	SHT C&CT (T1.9.1) - T002 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 76m / 76m	9d	17-Aug-16	26-Aug-16	0%
T002(1.9.1) - Wall Stem + OHVD (West Side) Ch329 - Ch397					
SHT1868-460	SHT C&CT (T1.9.1) - T002 (west) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 68m / 68m	8d	14-May-16 A	26-May-16 A	100%
T002(1.9.1) - Top Slab/Roof (West Side) Ch329 - Ch397					
SHT1868-355	SHT C&CT (T1.9.1) - T002 (west) - Top slab/Roof - Fmk,Rebars, Concrete, 68m / 68m	6d	27-May-16 A	07-Jun-16 A	100%
T001 + T002 (1.9.1) - Backfilling					
SHT1868-495	SHT C&CT (T1.9.1) - Waterproof, Backfilling and strut removal 1st-half (2m above base slab)	14d	05-Jul-16	20-Jul-16	0%
SHT1868-505	SHT C&CT (T1.9.1) - Waterproof, Backfilling and strut removal 2nd-half (2m above base slab)	14d	21-Jul-16	05-Aug-16	0%
ELS - Tunnel SHT- C&CT (T1.12 Ch 14+264 to Ch 14+315)/(Ch 14+257 to Ch 14+322)					
Pipe Pile Works					
SHT1850-04	SHT C&CT on new recl.(T1.12) - Pipe pile installation, (80 of 119 nos)	15d	07-May-16 A	22-Jun-16	35%
SHT1850-15	SHT C&CT on new recl.(T1.12) - Pipe pile installation, (119 of 119 nos)	15d	22-Jun-16	09-Jul-16	0%
Pre-boring for excavation					
SHT1925-5	SHT C&CT on new recl.(T1.12) - Pre-boring (75 of 344 nos)	14d	18-Apr-16 A	16-May-16 A	100%
SHT1925-15	SHT C&CT on new recl.(T1.12) - Pre-boring (150 of 344 nos)	14d	17-May-16 A	18-Jun-16 A	100%
SHT1925-25	SHT C&CT on new recl.(T1.12) - Pre-boring (225 of 344 nos)	14d	18-Jun-16 A	06-Jul-16	8%
SHT1925-35	SHT C&CT on new recl.(T1.12) - Pre-boring (300 of 344 nos)	14d	06-Jul-16	21-Jul-16	0%
SHT1925-45	SHT C&CT on new recl.(T1.12) - Pre-boring (344 of 344 nos)	9d	21-Jul-16	30-Jul-16	0%
Sheetpile Works					
SHT1850-35	SHT C&CT on new recl.(T1.12) - Sheetpile installation, (250 of 1000m2)	5d	12-Jul-16	16-Jul-16	0%
SHT1850-45	SHT C&CT on new recl.(T1.12) - Sheetpile installation, (500 of 1000m2)	5d	16-Jul-16	21-Jul-16	0%
SHT1850-55	SHT C&CT on new recl.(T1.12) - Sheetpile installation, (750 of 1000m2)	5d	21-Jul-16	26-Jul-16	0%
SHT1850-65	SHT C&CT on new recl.(T1.12) - Sheetpile installation, (1000 of 1000m2)	5d	26-Jul-16	30-Jul-16	0%
Jet Grouting Works					
SHT1925-03	SHT C&CT on new recl.(T1.12) - Jet grouting works (70 of 228 nos)	8d	18-Jul-16	26-Jul-16	0%
SHT1925-04	SHT C&CT on new recl.(T1.12) - Jet grouting works (140 of 228 nos)	8d	27-Jul-16	04-Aug-16	0%
SHT1925-05	SHT C&CT on new recl.(T1.12) - Jet grouting works (228 of 228 nos)	8d	05-Aug-16	13-Aug-16	0%
ELS					
SHT1925-55	SHT C&CT on new recl.(T1.12) - Soil Excavation + Strut (6650 of 25000 m3)	14d	01-Aug-16	16-Aug-16	0%
SHT1925-65	SHT C&CT on new recl.(T1.12) - Soil Excavation + Strut (13300 of 25000 m3)	14d	16-Aug-16	31-Aug-16	0%
SHT1925-75	SHT C&CT on new recl.(T1.12) - Soil Excavation + Strut (19950 of 25000 m3)	14d	24-Aug-16	08-Sep-16	0%
SHT1925-85	SHT C&CT on new recl.(T1.12) - Soil Excavation + Strut (25000 of 25000 m3)	11d	09-Sep-16	22-Sep-16	0%
ELS - Tunnel SHT- C&CT (T1.9.2 Ch 14+452 to Ch 14+597)/(Ch 14+474 to Ch 14+612)					
Excavation & Lateral Support (T1.9.2)					
Bay 1					
SHT1916-245	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Wall Stem	18d	29-Jul-16	18-Aug-16	0%
Bay 2					
SHT1916-215	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Base slab	18d	30-Apr-16 A	20-Jun-16	100%
SHT1916-255	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Wall Stem	18d	19-Aug-16	08-Sep-16	0%
Bay 3					
SHT1916-34	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Install S4 walings + lateral support, (Bay3)	10d	01-Mar-16 A	16-May-16 A	100%
SHT1916-35	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Excavate to FEL,(Bay3)	10d	10-Mar-16 A	18-May-16 A	100%
SHT1916-185	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Trimming Pile Head	14d	18-May-16 A	31-May-16 A	100%
SHT1916-225	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Base slab	18d	26-May-16 A	06-Jul-16	25%
SHT1916-265	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Wall Stem	18d	09-Sep-16	30-Sep-16	0%



FILE: 3M50 (Rev.00)

Sheet 4 of 9

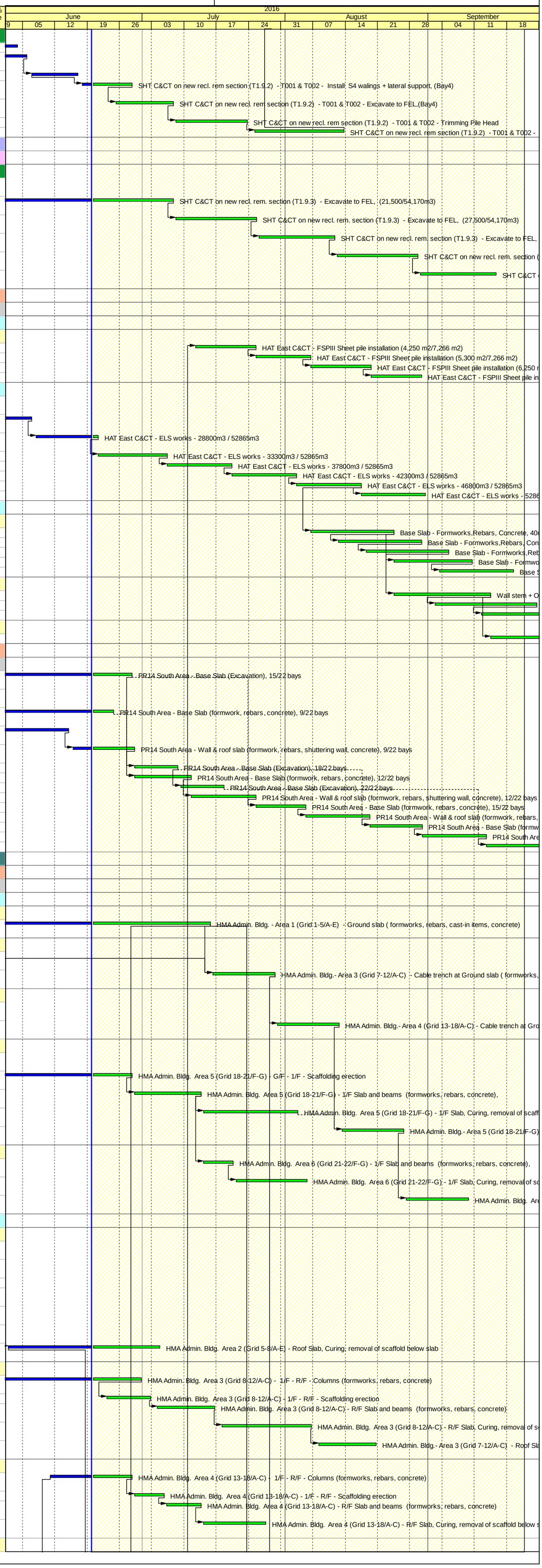
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Layout HZMB - (3M50)

TASK filters: 3M50, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
	Bay 4				
SHT1916-115	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Excavate to S3, (Bay4)	10d	25-May-16 A	04-Jun-16 A	100%
SHT1916-125	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Install S3 walings + lateral support, (Bay 4)	10d	28-May-16 A	06-Jun-16 A	100%
SHT1916-135	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 Excavate to S4, (Bay 4)	10d	07-Jun-16 A	17-Jun-16 A	100%
SHT1916-145	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Install S4 walings + lateral support, (Bay4)	10d	18-Jun-16 A	28-Jun-16	20%
SHT1916-155	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Excavate to FEL,(Bay4)	10d	25-Jun-16	07-Jul-16	0%
SHT1916-195	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Trimming Pile Head	14d	08-Jul-16	23-Jul-16	0%
SHT1916-235	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Base slab	18d	25-Jul-16	13-Aug-16	0%
	ELS - Tunnel SHT- C&CT (T1.9.3 Ch 14+597to Ch 14+727)/(Ch 14+612 to Ch+14+739)				
	Excavation Works				
	Excavation (T1.9.3)				
SHT1923-2	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (15,500/54,170m3)	15d	02-Mar-16 A	12-May-16 A	100%
SHT1923-12	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (21,500/54,170m3)	15d	13-May-16 A	07-Jul-16	26%
SHT1923-22	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (27,500/54,170m3)	15d	08-Jul-16	25-Jul-16	0%
SHT1923-32	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (33,500/54,170m3)	15d	26-Jul-16	11-Aug-16	0%
SHT1923-42	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (39,500/54,170m3)	15d	12-Aug-16	29-Aug-16	0%
SHT1923-52	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (45,500/54,170m3)	15d	30-Aug-16	15-Sep-16	0%
	CCT Works for HAT East w/ Emergency Pedestrian Passage				
	HAT Plant Building and Cut & Cover Tunnel, East Area [303m Approx.]				
	Foundation & Cofferdam (Ch 0+940 to Ch 1+140)				
	Sheet Piling Works				
HAT1040-158	HAT East C&CT - FSPIII Sheet pile installation (4,250 m2/7,266 m2)	11d	12-Jul-16	25-Jul-16	0%
HAT1040-348	HAT East C&CT - FSPIII Sheet pile installation (5,300 m2/7,266 m2)	11d	25-Jul-16	06-Aug-16	0%
HAT1040-358	HAT East C&CT - FSPIII Sheet pile installation (6,250 m2/7,266 m2)	11d	06-Aug-16	19-Aug-16	0%
HAT1040-368	HAT East C&CT - FSPIII Sheet pile installation (7,266 m2/7,266 m2)	9d	19-Aug-16	30-Aug-16	0%
	ELS (Ch 0+768 to Ch 0+940)				
HAT3320-31	HAT East C&CT - ELS works - 14400m3 / 52865m3	12d	06-May-16 A	18-May-16 A	100%
HAT3320-41	HAT East C&CT - ELS works - 18000m3 / 52865m3	15d	19-May-16 A	07-Jun-16 A	100%
HAT3320-51	HAT East C&CT - ELS works - 28800m3 / 52865m3	15d	08-Jun-16 A	21-Jun-16	89%
HAT3320-61	HAT East C&CT - ELS works - 33300m3 / 52865m3	15d	21-Jun-16	06-Jul-16	0%
HAT3320-71	HAT East C&CT - ELS works - 37800m3 / 52865m3	15d	06-Jul-16	20-Jul-16	0%
HAT3320-81	HAT East C&CT - ELS works - 42300m3 / 52865m3	15d	20-Jul-16	03-Aug-16	0%
HAT3320-91	HAT East C&CT - ELS works - 46800m3 / 52865m3	15d	03-Aug-16	17-Aug-16	0%
HAT3320-101	HAT East C&CT - ELS works - 52865m3 / 52865m3	15d	17-Aug-16	31-Aug-16	0%
	RC CCT Work (Ch 0+768 to Ch0+940)				
	Base slab (Ch0+768 to Ch0+940)				
HAT1868-775	Base Slab - Formworks,Rebars, Concrete, 40m / 172m	15d	06-Aug-16	24-Aug-16	0%
HAT1868-785	Base Slab - Formworks,Rebars, Concrete, 80m / 172m	15d	12-Aug-16	30-Aug-16	0%
HAT1868-795	Base Slab - Formworks,Rebars, Concrete, 120m / 172m	15d	18-Aug-16	05-Sep-16	0%
HAT1868-805	Base Slab - Formworks,Rebars, Concrete, 160m / 172m	15d	24-Aug-16	10-Sep-16	0%
HAT1868-825	Base Slab - Formworks,Rebars, Concrete, 172m / 172m	12d	03-Sep-16	19-Sep-16	0%
	Wall Stem + OHVD (Ch0+768 to Ch0+940)				
HAT1868-835	Wall stem + OHVD - Formworks,Rebars, Concrete, 40m / 172m	18d	24-Aug-16	14-Sep-16	0%
HAT1868-845	Wall stem + OHVD - Formworks,Rebars, Concrete, 80m / 172m	18d	02-Sep-16	24-Sep-16	0%
HAT1868-855	Wall stem + OHVD - Formworks,Rebars, Concrete, 120m / 172m	18d	12-Sep-16	05-Oct-16	0%
	Top Slab/Roof (Ch0+768 to Ch0+940)				
HAT1868-885	Top slab/Roof - Formworks,Rebars, Concrete, 40m / 172m	18d	14-Sep-16	07-Oct-16	0%
	Box Culvert Extension to outfall PR14 (457m Approx.)				
	Box Culvert Extension to outfall PR14 (South Area, Bay S1 to S22)				
BC1110-91	PR14 South Area - Base Slab (Excavation), 15/22 bays	10d	29-Apr-16 A	28-Jun-16	16%
BC1110-2	PR14 South Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 3/22 bays	15d	06-May-16 A	26-May-16 A	100%
BC1110-31	PR14 South Area - Base Slab (formwork, rebars, concrete), 9/22 bays	12d	10-May-16 A	24-Jun-16	66%
BC1110-5	PR14 South Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 6/22 bays	15d	27-May-16 A	15-Jun-16 A	100%
BC1110-41	PR14 South Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 9/22 bays	15d	16-Jun-16 A	29-Jun-16	33%
BC1110-151	PR14 South Area - Base Slab (Excavation), 18/22 bays	10d	29-Jun-16	08-Jul-16	0%
BC1110-81	PR14 South Area - Base Slab (formwork, rebars, concrete), 12/22 bays	12d	29-Jun-16	11-Jul-16	0%
BC1110-161	PR14 South Area - Base Slab (Excavation), 22/22 bays	10d	09-Jul-16	18-Jul-16	0%
BC1110-71	PR14 South Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 12/22 bays	15d	11-Jul-16	25-Jul-16	0%
BC1110-101	PR14 South Area - Base Slab (formwork, rebars, concrete), 15/22 bays	12d	25-Jul-16	05-Aug-16	0%
BC1110-51	PR14 South Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 15/22 bays	15d	05-Aug-16	19-Aug-16	0%
BC1110-111	PR14 South Area - Base Slab (formwork, rebars, concrete), 18/22 bays	12d	19-Aug-16	30-Aug-16	0%
BC1110-131	PR14 South Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 18/22 bays	15d	30-Aug-16	13-Sep-16	0%
BC1110-121	PR14 South Area - Base Slab (formwork, rebars, concrete), 22/22 bays	12d	13-Sep-16	26-Sep-16	0%
	WORKS IN HAM(HIGHWAY OPERATION & MAINTENANCE AREA) & HAT CCT				
	Administration Building				
	RC & Foundation Works				
	Superstructure - (G/F - 1/F)				
	Area 1 (Grid 1-5/A-E)				
HMA1105-166	HMA Admin. Bldg. - Area 1 (Grid 1-5/A-E) - Ground slab (formworks, rebars, cast-in items, concrete)	6d	20-May-16 A	15-Jul-16	13%
	Area 3 (Grid 8-12/A-C)				
HMA1115-62	HMA Admin. Bldg. Area 3 (Grid 8-12/A-C) - 1/F Slab, Curing, removal of scaffold below slab	18d	11-Mar-16 A	16-May-16 A	100%
HMA1105-176	HMA Admin. Bldg.- Area 3 (Grid 7-12/A-C) - Cable trench at Ground slab (formworks, rebars, cast-in items, concrete)	12d	16-Jul-16	29-Jul-16	0%
	Area 4 (Grid 13-18/F-G)				
HMA1115-132	HMA Admin. Bldg. Area 4 (Grid 13-18/A-C) - 1/F Slab, Curing, removal of scaffold below slab	18d	04-May-16 A	19-May-16 A	100%
HMA1115-142	HMA Admin. Bldg.- Area 4 (Grid 13-18/A-C) - Cable trench at Ground slab (formworks, rebars, cast-in items, concrete)	12d	30-Jul-16	12-Aug-16	0%
	Area 5 (Grid 18-21/F-G)				
HMA1115-222	HMA Admin. Bldg. Area 5 (Grid 18-21/F-G) - Columns (formworks, rebars, concrete), 15/15 nos.	15d	16-Mar-16 A	10-May-16 A	100%
HMA1115-232	HMA Admin. Bldg. Area 5 (Grid 18-21/F-G) - G/F - 1/F - Scaffolding erection	8d	11-May-16 A	28-Jun-16	5%
HMA1115-242	HMA Admin. Bldg. Area 5 (Grid 18-21/F-G) - 1/F Slab and beams (formworks, rebars, concrete),	12d	29-Jun-16	13-Jul-16	0%
HMA1115-252	HMA Admin. Bldg. Area 5 (Grid 18-21/F-G) - 1/F Slab, Curing, removal of scaffold below slab	18d	14-Jul-16	03-Aug-16	0%
HMA1115-262	HMA Admin. Bldg.- Area 5 (Grid 18-21/F-G) - Cable trench at Ground slab (formworks, rebars, cast-in items, concrete)	12d	13-Aug-16	26-Aug-16	0%
	Area 6 (Grid 21-23/F-G)				
HMA1105-447	HMA Admin. Bldg. Area 6 (Grid 21-22/F-G) - 1/F Slab and beams (formworks, rebars, concrete),	6d	14-Jul-16	20-Jul-16	0%
HMA1115-202	HMA Admin. Bldg. Area 6 (Grid 21-22/F-G) - 1/F Slab, Curing, removal of scaffold below slab	14d	21-Jul-16	05-Aug-16	0%
HMA1115-272	HMA Admin. Bldg. Area 6 (Grid 21-23/F-G) - Cable trench at Ground slab (formworks, rebars, cast-in items, concrete)	12d	27-Aug-16	09-Sep-16	0%
	Superstructure - (1F - R/F)				
	Area 2 (Grid 5-8/A-E)				
HMA1115-65	HMA Admin. Bldg. Area 2 (Grid 5-8/A-E) - 1/F - R/FColumns (formworks, rebars, concrete), 6/12 nos.	8d	04-Feb-16 A	27-May-16 A	100%
HMA1115-75	HMA Admin. Bldg. Area 2 (Grid 5-8/A-E) -1/F - R/F Columns (formworks, rebars, concrete), 12/12 nos.	8d	22-Apr-16 A	27-May-16 A	100%
HMA1115-85	HMA Admin. Bldg. Area 2 (Grid 5-8/A-E) - 1/F - R/F - Scaffolding erection	4d	12-May-16 A	17-May-16 A	100%
HMA1115-105	HMA Admin. Bldg.Area 2 (Grid 5-8/A-E) - Roof Slab and beams (formworks, rebars, concrete),	12d	16-May-16 A	27-May-16 A	100%
HMA1115-95	HMA Admin. Bldg. Area 2 (Grid 5-8/A-E) - 1/F - R/F Walls (formworks, rebars, concrete),	10d	18-May-16 A	27-May-16 A	100%
HMA1115-115	HMA Admin. Bldg. Area 2 (Grid 5-8/A-E) - Roof Slab and beams, preparation of CJ and inspection	3d	28-May-16 A	31-May-16 A	100%
HMA1115-135	HMA Admin. Bldg. Area 2 (Grid 5-8/A-E) - Roof Slab, Curing, removal of scaffold below slab	12d	02-Jun-16 A	04-Jul-16	10%
	Area 3 (Grid 8-12/A-C)				
HMA1115-412	HMA Admin. Bldg. Area 3 (Grid 8-12/A-C) - 1/F - R/F - Columns (formworks, rebars, concrete)	10d	13-May-16 A	30-Jun-16	66%
HMA1115-422	HMA Admin. Bldg. Area 3 (Grid 8-12/A-C) - 1/F - R/F - Scaffolding erection	8d	23-Jun-16	02-Jul-16	0%
HMA1115-432	HMA Admin. Bldg. Area 3 (Grid 8-12/A-C) - R/F Slab and beams (formworks, rebars, concrete)	12d	04-Jul-16	16-Jul-16	0%
HMA1115-442	HMA Admin. Bldg. Area 3 (Grid 8-12/A-C) - R/F Slab, Curing, removal of scaffold below slab	18d	18-Jul-16	06-Aug-16	0%
HMA1105-467	HMA Admin. Bldg.- Area 3 (Grid 7-12/A-C) - Roof Slab, Curing, removal of scaffold below slab	12d	08-Aug-16	20-Aug-16	0%
	Area 4 (Grid 13-18/F-G)				
HMA1115-462	HMA Admin. Bldg. Area 4 (Grid 13-18/A-C) - 1/F - R/F - Columns (formworks, rebars, concrete)	8d	11-Jun-16 A	28-Jun-16	20%
HMA1115-472	HMA Admin. Bldg. Area 4 (Grid 13-18/A-C) - 1/F - R/F - Scaffolding erection	5d	29-Jun-16	05-Jul-16	0%
HMA1115-482	HMA Admin. Bldg. Area 4 (Grid 13-18/A-C) - R/F Slab and beams (formworks, rebars, concrete)	7d	06-Jul-16	13-Jul-16	0%
HMA1115-492	HMA Admin. Bldg. Area 4 (Grid 13-18/A-C) - R/F Slab, Curing, removal of scaffold below slab	12d	14-Jul-16	27-Jul-16	0%
	Area 5 (Grid 18-21/F-G)				



FILE: 3M50 (Rev.00)

Sheet 5 of 9

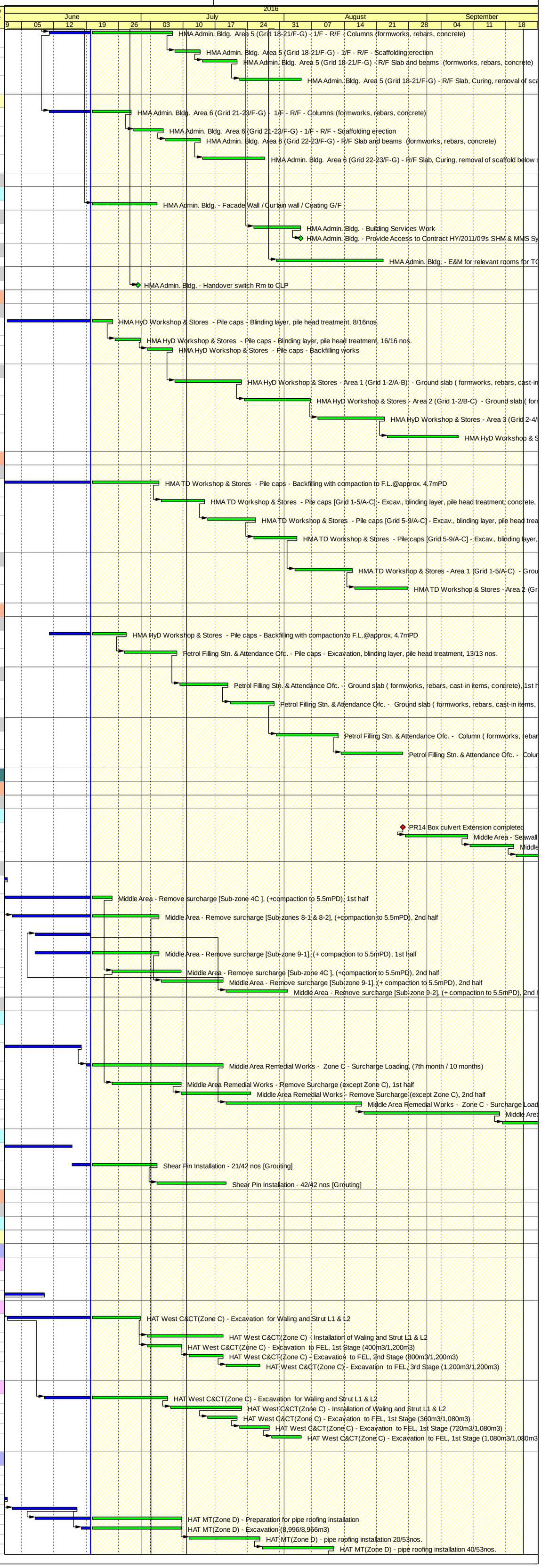
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Layout HZMB - (3M50)

TASK filters: 3M50, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
HMA1115-382	HMA Admin. Bldg. Area 5 (Grid 18-21/F-G) - 1/F - R/F - Columns (formworks, rebars, concrete)	15d	11-Jun-16 A	07-Jul-16	20%
HMA1115-392	HMA Admin. Bldg. Area 5 (Grid 18-21/F-G) - 1/F - R/F - Scaffolding erection	5d	08-Jul-16	13-Jul-16	0%
HMA1115-362	HMA Admin. Bldg. Area 5 (Grid 18-21/F-G) - R/F Slab and beams (formworks, rebars, concrete)	7d	14-Jul-16	21-Jul-16	0%
HMA1115-342	HMA Admin. Bldg. Area 5 (Grid 18-21/F-G) - R/F Slab, Curing, removal of scaffold below slab	12d	22-Jul-16	04-Aug-16	0%
Area 6 (Grid 21-23/F-G)					
HMA1115-302	HMA Admin. Bldg. Area 6 (Grid 21-23/F-G) - 1/F - R/F - Columns (formworks, rebars, concrete)	8d	11-Jun-16 A	28-Jun-16	20%
HMA1115-312	HMA Admin. Bldg. Area 6 (Grid 21-23/F-G) - 1/F - R/F - Scaffolding erection	5d	29-Jun-16	05-Jul-16	0%
HMA1115-282	HMA Admin. Bldg. Area 6 (Grid 22-23/F-G) - R/F Slab and beams (formworks, rebars, concrete)	7d	06-Jul-16	13-Jul-16	0%
HMA1115-322	HMA Admin. Bldg. Area 6 (Grid 22-23/F-G) - R/F Slab, Curing, removal of scaffold below slab	12d	14-Jul-16	27-Jul-16	0%
ABWF					
External Works					
HMA4040	HMA Admin. Bldg. - Facade Wall / Curtain wall / Coating G/F	14d	20-Jun-16	04-Jul-16	0%
E&M Works and Interface with HY2011/09 for SHM & MMS					
HMA1260-1	HMA Admin. Bldg. - Building Services Work	12d	25-Jul-16	04-Aug-16	0%
HMA1260-2	HMA Admin. Bldg. - Provide Access to Contract HY/2011/09's SHM & MMS System	0d		04-Aug-16	0%
E&M Works and Interface with TCSS Contractor					
HMA1275-1	HMA Admin. Bldg. - E&M for relevant rooms for TCSS	24d	30-Jul-16	22-Aug-16	0%
CLP Installation - Substation X					
HMA1275-11	HMA Admin. Bldg. - Handover switch Rm to CLP	0d		30-Jun-16*	0%
HyD Workshop & Store Building					
Pile Caps					
HMA1060-136	HMA HyD Workshop & Stores - Pile caps - Blinding layer, pile head treatment, 8/16nos.	5d	02-Jun-16 A	24-Jun-16	50%
HMA1060-1168	HMA HyD Workshop & Stores - Pile caps - Blinding layer, pile head treatment, 16/16 nos.	5d	25-Jun-16	30-Jun-16	0%
HMA1060-137	HMA HyD Workshop & Stores - Pile caps - Backfilling works	5d	02-Jul-16	07-Jul-16	0%
Ground Slab					
HMA1060-157	HMA HyD Workshop & Stores - Area 1 (Grid 1-2/A-B) - Ground slab (formworks, rebars, cast-in items, concrete)	13d	08-Jul-16	22-Jul-16	0%
HMA1060-167	HMA HyD Workshop & Stores - Area 2 (Grid 1-2/B-C) - Ground slab (formworks, rebars, cast-in items, concrete)	13d	23-Jul-16	06-Aug-16	0%
HMA1060-177	HMA HyD Workshop & Stores - Area 3 (Grid 2-4/B-C) - Ground slab (formworks, rebars, cast-in items, concrete)	13d	08-Aug-16	22-Aug-16	0%
HMA1060-187	HMA HyD Workshop & Stores - Area 4 (Grid 4-6/B-C) - Ground slab (formworks, rebars, cast-in items, concrete)	14d	23-Aug-16	07-Sep-16	0%
TD Workshop & Store Building					
Pile Caps					
HMA1060-1218	HMA TD Workshop & Stores - Pile caps - Backfilling with compaction to F.L.@approx. 4.7mPD	12d	16-Apr-16 A	04-Jul-16	35%
HMA1060-146	HMA TD Workshop & Stores - Pile caps [Grid 1-5/A-C] - Excav., blinding layer, pile head treatment, concrete, 10/28 nos.	9d	05-Jul-16	14-Jul-16	0%
HMA1060-147	HMA TD Workshop & Stores - Pile caps [Grid 5-9/A-C] - Excav., blinding layer, pile head treatment, concrete 20/28 nos.	9d	15-Jul-16	25-Jul-16	0%
HMA1060-1148	HMA TD Workshop & Stores - Pile caps [Grid 5-9/A-C] - Excav., blinding layer, pile head treatment, concrete 28/28 nos.	9d	25-Jul-16	03-Aug-16	0%
Ground Slab					
HMA1060-1238	HMA TD Workshop & Stores - Area 1 (Grid 1-5/A-C) - Ground slab (formworks, rebars, cast-in items, concrete)	11d	03-Aug-16	15-Aug-16	0%
HMA1060-1248	HMA TD Workshop & Stores - Area 2 (Grid 5-9/A-C) - Ground slab (formworks, rebars, cast-in items, concrete)	11d	16-Aug-16	27-Aug-16	0%
Petrol Filling Station & Attendance Office					
Pile Caps					
HMA1060-1198	HMA HyD Workshop & Stores - Pile caps - Backfilling with compaction to F.L.@approx. 4.7mPD	7d	11-Jun-16 A	27-Jun-16	0%
HMA1060-176	Petrol Filling Stn. & Attendance Ofc. - Pile caps - Excavation, blinding layer, pile head treatment, 13/13 nos.	10d	27-Jun-16	08-Jul-16	0%
Ground Slab					
HMA1060-226	Petrol Filling Stn. & Attendance Ofc. - Ground slab (formworks, rebars, cast-in items, concrete), 1st half	9d	09-Jul-16	19-Jul-16	0%
HMA1060-236	Petrol Filling Stn. & Attendance Ofc. - Ground slab (formworks, rebars, cast-in items, concrete), 2nd half	9d	20-Jul-16	29-Jul-16	0%
Column					
HMA1060-1258	Petrol Filling Stn. & Attendance Ofc. - Column (formworks, rebars, cast-in items, concrete), 1st half	12d	30-Jul-16	12-Aug-16	0%
HMA1060-1268	Petrol Filling Stn. & Attendance Ofc. - Column (formworks, rebars, cast-in items, concrete), 2nd half	12d	13-Aug-16	26-Aug-16	0%
WORKS IN MIDDLE AREA CH15+050 to 15+500 (HKLR AT GRADE, HAT MT, BRIDGE A1 & A2)					
Reclamation Works - SWCH 0+960 to 1+400 (AHR 20mPD) & (12.5mPD)					
Seawall Construction (Middle Area) CH 0+960 to CH 1+400 - 440m					
SWCH 0+980 to SWCH 1+050 - 70m					
SW1490	PR14 Box culvert Extension completed	0d		26-Aug-16*	0%
SW1060	Middle Area - Seawall, Trimming & Laying Geotextile along seawall line	12d	27-Aug-16	09-Sep-16	0%
SW1070	Middle Area - Seawall, Rockfill Core	7d	10-Sep-16	19-Sep-16	0%
SW1080	Middle Area - Seawall, Underlayer Rock	7d	20-Sep-16	27-Sep-16	0%
Surcharge					
RSC1055-4	Middle Area - Remove surcharge [Sub-zones 8-1 & 8-2], (+compaction to 5.5mPD), 1st half	12d	16-Dec-15 A	02-Jun-16 A	100%
RSC1069-50	Middle Area - Remove surcharge [Sub-zone 4C], (+compaction to 5.5mPD), 1st half	12d	22-Apr-16 A	24-Jun-16	60%
RSC1055-5	Middle Area - Remove surcharge [Sub-zones 8-1 & 8-2], (+compaction to 5.5mPD), 2nd half	12d	03-Jun-16 A	04-Jul-16	0%
RSC1054-5	Middle Area - Remove surcharge [Sub-zone 9-2], (+ compaction to 5.5mPD), 1st half	12d	08-Jun-16 A	20-Jun-16 A	100%
RSC1069-101	Middle Area - Remove surcharge [Sub-zone 9-1], (+ compaction to 5.5mPD), 1st half	12d	08-Jun-16 A	04-Jul-16	0%
RSC1069-51	Middle Area - Remove surcharge [Sub-zone 4C], (+compaction to 5.5mPD), 2nd half	12d	24-Jun-16	09-Jul-16	0%
RSC1069-111	Middle Area - Remove surcharge [Sub-zone 9-1], (+ compaction to 5.5mPD), 2nd half	12d	05-Jul-16	18-Jul-16	0%
RSC1054-6	Middle Area - Remove surcharge [Sub-zone 9-2], (+ compaction to 5.5mPD), 2nd half	12d	19-Jul-16	01-Aug-16	0%
Area 2: Investigation and Remedial Works - SWCH 1+050 to SWCH 1+280 (230m)					
Surcharge					
A1740	Middle Area Remedial Works - Zone C - Surcharge Loading, (5th month / 10 months)	30d	19-Apr-16 A	18-May-16 A	100%
A1750	Middle Area Remedial Works - Zone C - Surcharge Loading, (6th month / 10 months)	30d	19-May-16 A	18-Jun-16 A	100%
A1760	Middle Area Remedial Works - Zone C - Surcharge Loading, (7th month / 10 months)	30d	19-Jun-16 A	18-Jul-16	3.33%
A1800	Middle Area Remedial Works - Remove Surcharge (except Zone C), 1st half	15d	24-Jun-16	09-Jul-16	0%
A1810	Middle Area Remedial Works - Remove Surcharge (except Zone C), 2nd half	15d	09-Jul-16	24-Jul-16	0%
A1770	Middle Area Remedial Works - Zone C - Surcharge Loading, (8th month / 10 months)	30d	19-Jul-16	17-Aug-16	0%
A1780	Middle Area Remedial Works - Zone C - Surcharge Loading, (9th month / 10 months)	30d	18-Aug-16	16-Sep-16	0%
A1790	Middle Area Remedial Works - Zone C - Surcharge Loading, (10th month / 10 months)	30d	17-Sep-16	16-Oct-16	0%
Shear Pin Installation					
A237754	Shear Pin Installation - 42/42 nos	15d	20-Apr-16 A	16-Jun-16 A	100%
A237844	Shear Pin Installation - 21/42 nos [Grouting]	15d	16-Jun-16 A	04-Jul-16	5%
A237854	Shear Pin Installation - 42/42 nos [Grouting]	15d	04-Jul-16	19-Jul-16	0%
Works in HAT Tunnel (Mined Tunnel and West CCT w/ Emergency Pedestrian Passage					
CCT for HAT across Airport Road [200m Approx.]					
Civil & Structural Works					
ELS - HAT West CCT, Ch. 0+270 to Ch. 0+560					
ELS - Zone C (Ch. 0+470 to Ch. 0+394)					
Ch. 0+430 to Ch. 0+418, L=12.0m					
HAT1611-321	HAT West C&CT(Zone C) - Installation of Waling and Strut L1 & L2	7d	20-Feb-16 A	27-May-16 A	100%
HAT1611-441	HAT West C&CT(Zone C) - Excavation to FEL, 2nd Stage (880m3/1,320m3)	8d	20-Apr-16 A	28-May-16 A	100%
HAT1611-451	HAT West C&CT(Zone C) - Excavation to FEL, 3rd Stage (1,320m3/1,320m3)	10d	30-May-16 A	10-Jun-16 A	100%
Ch. 0+418 to Ch. 0+406, L=12.0m					
HAT1611-461	HAT West C&CT(Zone C) - Excavation for Waling and Strut L1 & L2	10d	02-Jun-16 A	30-Jun-16	20%
HAT1611-471	HAT West C&CT(Zone C) - Installation of Waling and Strut L1 & L2	14d	02-Jul-16	18-Jul-16	0%
HAT1611-521	HAT West C&CT(Zone C) - Excavation to FEL, 1st Stage (400m3/1,200m3)	7d	02-Jul-16	09-Jul-16	0%
HAT1611-531	HAT West C&CT(Zone C) - Excavation to FEL, 2nd Stage (800m3/1,200m3)	7d	11-Jul-16	18-Jul-16	0%
HAT1611-501	HAT West C&CT(Zone C) - Excavation to FEL, 3rd Stage (1,200m3/1,200m3)	7d	19-Jul-16	26-Jul-16	0%
Ch. 0+406 to Ch. 0+394, L=12.0m					
HAT1611-541	HAT West C&CT(Zone C) - Excavation for Waling and Strut L1 & L2	10d	10-Jun-16 A	06-Jul-16	50%
HAT1611-551	HAT West C&CT(Zone C) - Installation of Waling and Strut L1 & L2	14d	07-Jul-16	22-Jul-16	0%
HAT1611-581	HAT West C&CT(Zone C) - Excavation to FEL, 1st Stage (360m3/1,080m3)	6d	15-Jul-16	21-Jul-16	0%
HAT1611-591	HAT West C&CT(Zone C) - Excavation to FEL, 1st Stage (720m3/1,080m3)	6d	22-Jul-16	28-Jul-16	0%
HAT1611-601	HAT West C&CT(Zone C) - Excavation to FEL, 1st Stage (1,080m3/1,080m3)	6d	29-Jul-16	04-Aug-16	0%
ELS - Zone D					
HAT1611-621	HAT MT(Zone D) - Installation of Waling and Strut L1	12d	04-Feb-16 A	13-May-16 A	100%
HAT1611-651	HAT MT(Zone D) - Installation of Waling and Strut L2	12d	12-Mar-16 A	13-May-16 A	100%
HAT1611-661	HAT MT(Zone D) - Excavation (5,800/8,966m3)	12d	13-May-16 A	19-May-16 A	100%
HAT1611-671	HAT MT(Zone D) - Excavation (6,500/8,966m3)	12d	20-May-16 A	02-Jun-16 A	100%
HAT1611-681	HAT MT(Zone D) - Excavation (7,500/8,966m3)	12d	03-Jun-16 A	17-Jun-16 A	100%
HAT1611-701	HAT MT(Zone D) - Preparation for pipe roofing installation	14d	08-Jun-16 A	09-Jul-16	0%
HAT1611-691	HAT MT(Zone D) - Excavation (8,996/8,966m3)	14d	18-Jun-16 A	09-Jul-16	0%
HAT1611-711	HAT MT(Zone D) - pipe roofing installation 20/53nos.	14d	11-Jul-16	26-Jul-16	0%
HAT1611-721	HAT MT(Zone D) - pipe roofing installation 40/53nos.	14d	27-Jul-16	11-Aug-16	0%



FILE: 3M50 (Rev.00)

Sheet 6 of 9

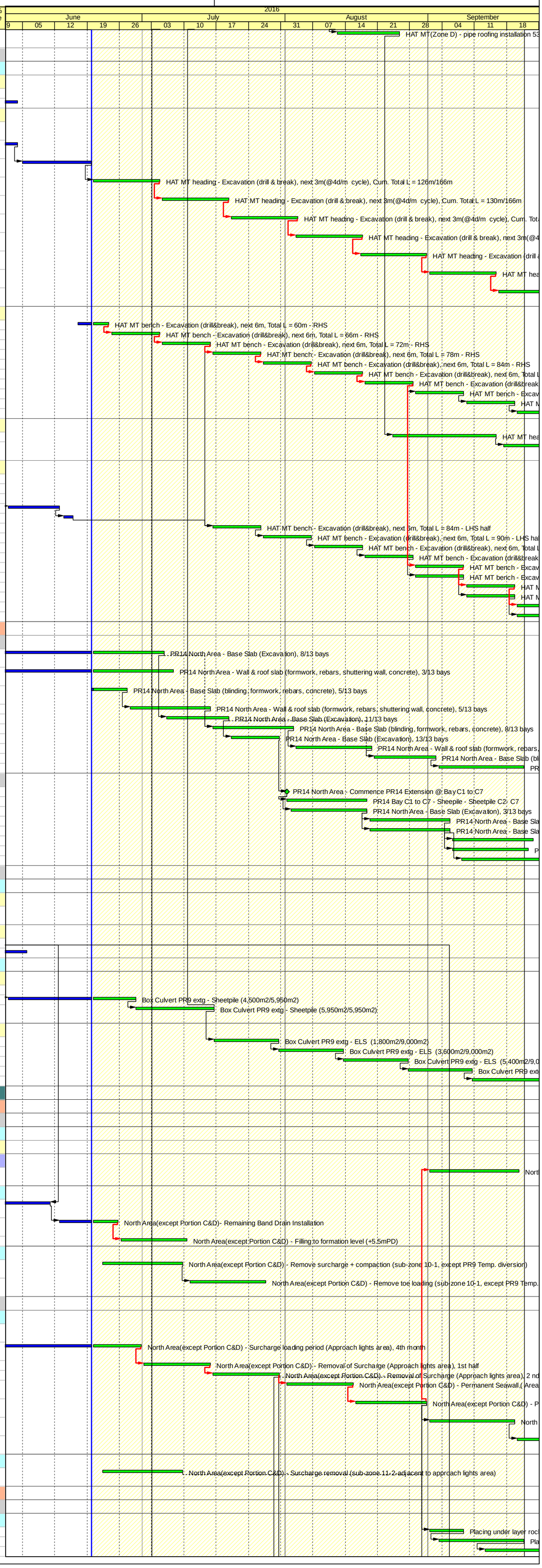
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Layout HZMB - (3M50)

TASK filters: 3M50, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
HAT1611-731	HAT MT(Zone D) - pipe roofing installation 53/53nos.	10d	12-Aug-16	25-Aug-16	0%
Mined Tunnel for HAT underneath AEL & at East Coast Road [198m-Drill & Break)(Ch 0+557 to Ch 0+756]					
HAT Mined Tunnel Works					
Installation of ADMS					
HAT3340	HAT MT - Implement TTA and Installation of ADMS	9d	20-May-16 A	28-May-16 A	100%
HAT3350	HAT MT - ADMS T&C	7d	29-May-16 A	04-Jun-16 A	100%
Drive from Shaft 4: HAT Tunnel Excavation - Heading(1st half & 2nd half)					
HAT2015-43	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 113m/166m	15d	05-May-16 A	19-May-16 A	100%
HAT2015-53	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 118m/166m	15d	20-May-16 A	04-Jun-16 A	100%
HAT2015-72	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 122m/166m	15d	05-Jun-16 A	20-Jun-16 A	100%
HAT2015-82	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 126m/166m	15d	20-Jun-16	04-Jul-16	0%
HAT2015-92	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 130m/166m	15d	05-Jul-16	19-Jul-16	0%
HAT2015-102	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 134m/166m	15d	20-Jul-16	03-Aug-16	0%
HAT2015-112	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 138m/166m	15d	03-Aug-16	17-Aug-16	0%
HAT2015-122	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 142m/166m	15d	17-Aug-16	31-Aug-16	0%
HAT2015-132	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 146m/166m	15d	01-Sep-16	15-Sep-16	0%
HAT2015-502	HAT MT heading - Excavation (drill & break), next 3m(@4d/m cycle), Cum. Total L = 150m/166m	15d	16-Sep-16	30-Sep-16	0%
Drive from Shaft 4: HAT Tunnel Excavation - Bench(1st half & 2nd half)					
HAT3380	HAT MT bench - Excavation (drill&break), next 6m, Total L = 60m - RHS	11d	17-Jun-16 A	23-Jun-16	63%
HAT3390	HAT MT bench - Excavation (drill&break), next 6m, Total L = 66m - RHS	11d	24-Jun-16	04-Jul-16	0%
HAT3400	HAT MT bench - Excavation (drill&break), next 6m, Total L = 72m - RHS	11d	05-Jul-16	15-Jul-16	0%
HAT3410	HAT MT bench - Excavation (drill&break), next 6m, Total L = 78m - RHS	11d	16-Jul-16	26-Jul-16	0%
HAT3430	HAT MT bench - Excavation (drill&break), next 6m, Total L = 84m - RHS	11d	27-Jul-16	06-Aug-16	0%
HAT3440	HAT MT bench - Excavation (drill&break), next 6m, Total L = 90m - RHS	11d	07-Aug-16	17-Aug-16	0%
HAT3450	HAT MT bench - Excavation (drill&break), next 6m, Total L = 96m - RHS	11d	18-Aug-16	28-Aug-16	0%
HAT3460	HAT MT bench - Excavation (drill&break), next 6m, Total L = 102m - RHS	11d	29-Aug-16	08-Sep-16	0%
HAT3470	HAT MT bench - Excavation (drill&break), next 6m, Total L = 108m - RHS	11d	09-Sep-16	19-Sep-16	0%
HAT3480	HAT MT bench - Excavation (drill&break), next 6m, Total L = 114m - RHS	11d	20-Sep-16	30-Sep-16	0%
Drive from Zone D: HAT Tunnel Excavation - Heading(1st half & 2nd half)					
HAT2015-422	HAT MT heading - Excavation (drill & break), 1st 5m(@4d/m cycle), Cum. Total L = 5m/32m	20d	24-Aug-16	15-Sep-16	0%
HAT2015-432	HAT MT heading- Excavation (drill & break), next 5m(@4d/m cycle), Cum. Total L = 10m/32m	20d	17-Sep-16	12-Oct-16	0%
2nd Half Bench					
HAT3610	HAT MT bench - Excavation (drill&break), next 6m, Total L = 30m - LHS half	11d	30-Apr-16 A	11-May-16 A	100%
HAT3620	HAT MT bench - Excavation (drill&break), next 6m, Total L = 42m - LHS half	11d	12-May-16 A	21-May-16 A	100%
HAT3630	HAT MT bench - Excavation (drill&break), next 6m, Total L = 54m - LHS half	11d	22-May-16 A	01-Jun-16 A	100%
HAT3640	HAT MT bench - Excavation (drill&break), next 6m, Total L = 66m - LHS half	11d	02-Jun-16 A	13-Jun-16 A	100%
HAT3650	HAT MT bench - Excavation (drill&break), next 6m, Total L = 70m - LHS half	11d	14-Jun-16 A	16-Jun-16 A	100%
HAT3660	HAT MT bench - Excavation (drill&break), next 6m, Total L = 84m - LHS half	11d	16-Jul-16	26-Jul-16	0%
HAT3670	HAT MT bench - Excavation (drill&break), next 6m, Total L = 90m - LHS half	11d	27-Jul-16	06-Aug-16	0%
HAT3680	HAT MT bench - Excavation (drill&break), next 6m, Total L = 96m - LHS half	11d	07-Aug-16	17-Aug-16	0%
HAT3840	HAT MT bench - Excavation (drill&break), next 6m, Total L = 102m - LHS half	11d	18-Aug-16	28-Aug-16	0%
HAT3690	HAT MT bench - Excavation (drill&break), next 6m, Total L = 78m - LHS half	11d	29-Aug-16	08-Sep-16	0%
HAT3850	HAT MT bench - Excavation (drill&break), next 6m, Total L = 108m - LHS half	11d	29-Aug-16	08-Sep-16	0%
HAT3700	HAT MT bench - Excavation (drill&break), next 6m, Total L = 84m - LHS half	11d	09-Sep-16	19-Sep-16	0%
HAT3860	HAT MT bench - Excavation (drill&break), next 6m, Total L = 110m - LHS half	11d	09-Sep-16	19-Sep-16	0%
HAT3710	HAT MT bench - Excavation (drill&break), next 6m, Total L = 90m - LHS half	11d	20-Sep-16	30-Sep-16	0%
HAT3870	HAT MT bench - Excavation (drill&break), next 6m, Total L = 116m - LHS half	11d	20-Sep-16	30-Sep-16	0%
Box Culvert Extension to Outfall PR9 & PR14					
Box Culvert Ext. to New Outfall PR14 (North Area, Bay N1 to N-13)					
BC1160-9	PR14 North Area - Base Slab (Excavation), 8/13 bays	15d	24-Nov-15 A	05-Jul-16	50%
BC1160-3	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 3/13 bays	15d	29-Jan-16 A	07-Jul-16	30%
BC1160-6	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 5/13 bays	14d	20-Jun-16 A	27-Jun-16	50%
BC1160-7	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 5/13 bays	15d	28-Jun-16	15-Jul-16	0%
BC1160-13	PR14 North Area - Base Slab (Excavation), 11/13 bays	12d	06-Jul-16	19-Jul-16	0%
BC1160-10	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 8/13 bays	15d	16-Jul-16	02-Aug-16	0%
BC1160-26	PR14 North Area - Base Slab (Excavation), 13/13 bays	10d	20-Jul-16	30-Jul-16	0%
BC1160-11	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 8/13 bays	15d	03-Aug-16	19-Aug-16	0%
BC1160-14	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete),11/13 bays	12d	20-Aug-16	02-Sep-16	0%
BC1160-15	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 11/13 bays	15d	03-Sep-16	21-Sep-16	0%
Box Culvert Ext. to New Outfall PR14 (North Area, Bay C1 to C7)					
BC1300	PR14 North Area - Commence PR14 Extension @ Bay C1 to C7	0d	01-Aug-16		0%
BC1160-226	PR14 Bay C1 to C7 - Sheepile - Sheetpile C2- C7	14d	01-Aug-16	18-Aug-16	0%
BC1160-156	PR14 North Area - Base Slab (Excavation), 3/13 bays	15d	02-Aug-16	18-Aug-16	0%
BC1160-166	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 3/13 bays	15d	19-Aug-16	05-Sep-16	0%
BC1160-186	PR14 North Area - Base Slab (Excavation), 5/13 bays	15d	19-Aug-16	05-Sep-16	0%
BC1160-176	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 3/13 bays	15d	06-Sep-16	23-Sep-16	0%
BC1160-196	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 5/13 bays	14d	06-Sep-16	22-Sep-16	0%
BC1160-66	PR14 North Area - Base Slab (Excavation), 8/13 bays	15d	08-Sep-16	26-Sep-16	0%
Box Culvert Ext. to New Outfall PR9 (75m Approx.)					
Temporary Drainage Diversion and Relocation of Spill Trap(Bay 1)					
Stage 3 - Construction of Cell 1 & Cell 2 / Cell 3 & Cell 4					
BC1200-137	Box Culvert extg [middle area/north Bridge A1] - RC works Top slab (formworks, rebar, concrete)	12d	12-Apr-16 A	10-May-16 A	100%
Stage 4 - Reinstatement					
BC1200-44	Box Culvert extg [middle area/north Bridge A1] - 2nd temp. diversion	12d	10-May-16 A	23-May-16 A	100%
BC1200-207	Box Culvert extg [middle area/north Bridge A1] - Site clearance	12d	24-May-16 A	06-Jun-16 A	100%
PR09 Extension					
Sheetpile					
BC1200-177	Box Culvert PR9 extg - Sheetpile (3,000m2/5,950m2)	14d	07-May-16 A	01-Jun-16 A	100%
BC1200-187	Box Culvert PR9 extg - Sheetpile (4,500m2/5,950m2)	14d	02-Jun-16 A	29-Jun-16	38%
BC1200-197	Box Culvert PR9 extg - Sheetpile (5,950m2/5,950m2)	14d	29-Jun-16	16-Jul-16	0%
ELS					
BC1200-227	Box Culvert PR9 extg - ELS (1,800m2/9,000m2)	12d	16-Jul-16	30-Jul-16	0%
BC1200-237	Box Culvert PR9 extg - ELS (3,600m2/9,000m2)	12d	30-Jul-16	13-Aug-16	0%
BC1200-247	Box Culvert PR9 extg - ELS (5,400m2/9,000m2)	12d	13-Aug-16	27-Aug-16	0%
BC1200-257	Box Culvert PR9 extg - ELS (7,200m2/9,000m2)	12d	27-Aug-16	10-Sep-16	0%
BC1200-267	Box Culvert PR9 extg - ELS (9,000m2/9,000m2)	12d	10-Sep-16	26-Sep-16	0%
WORKS IN NORTH AREA - CH 15+500 to CH 16+223 (HKLR AT GRADE & ROADWORKS)					
Reclamation SWCH 1+400 to SWCH 1+830 (incl. Approach Lights Area, 430m Approx.)					
Reclamation SWCH 1+400 to SWCH 1+590)(incl. PR09 Temp. Diversion Area)					
Reclamation SWCH 1+400 to 1+500 (PR09 Temp. Diversion)					
Seawall Construction (Except Portion C & D) CH 1+400 to CH 1+850)					
SWCH 1+600 to SWCH 1+700					
RSC1160	North Area(except Portion C&D)- Seawall, Trimming & Laying Geotextile along seawall line	16d	01-Sep-16*	20-Sep-16	0%
Reclamation SWCH 1+400 to 1+500 (Area10-2 - after PR9 2nd Temp. diversion)					
RSC1070-350	North Area(except Portion C&D)- Sandfilling +2.5mPD	15d	09-May-16 A	11-Jun-16 A	100%
RSC1070-360	North Area(except Portion C&D)- Remaining Band Drain Installation	15d	13-Jun-16 A	25-Jun-16	60%
RSC1070-370	North Area(except Portion C&D) - Filling to formation level (+5.5mPD)	15d	26-Jun-16	10-Jul-16	0%
Reclamation SWCH 1+500 to 1+590 (Except PR09 Temp. Diversion Area)					
RSC1070-95	North Area(except Portion C&D) - Remove surcharge + compaction (sub-zone 10-1, except PR9 Temp. diversion)	15d	22-Jun-16*	09-Jul-16	0%
RSC1070-105	North Area(except Portion C&D) - Remove toe loading (sub-zone 10-1, except PR9 Temp. diversion)	15d	11-Jul-16	27-Jul-16	0%
Reclamation SWCH 1+590 to 1+830 (including Approach Lights Area)					
Reclamation SWCH 1+590 to 1+750 (Approach Lights Area - Area 2)					
RSC1070-8	North Area(except Portion C&D) - Surcharge loading period (Approach lights area), 3rd month	30d	01-May-16 A	31-May-16 A	100%
RSC1070-9	North Area(except Portion C&D) - Surcharge loading period (Approach lights area), 4th month	30d	01-Jun-16 A	30-Jun-16	63.33%
RSC1070-300	North Area(except Portion C&D) - Removal of Surcharge (Approach lights area), 1st half	15d	01-Jul-16	15-Jul-16	0%
RSC1070-310	North Area(except Portion C&D) - Removal of Surcharge (Approach lights area), 2 nd half	15d	16-Jul-16	30-Jul-16	0%
RSC1070-380	North Area(except Portion C&D) - Permanent Seawall,(Area 11 Approach lights area) - 1st half	13d	01-Aug-16	15-Aug-16	0%
RSC1070-29	North Area(except Portion C&D) - Permanent Seawall,(Area 11 Approach lights area) - 2nd half	14d	16-Aug-16	31-Aug-16	0%
RSC1070-39	North Area(except Portion C&D) - Removal of toe loading,(Area 11 Approach lights area) - 1st half	15d	01-Sep-16	19-Sep-16	0%
RSC1070-390	North Area(except Portion C&D) - Removal of toe loading,(Area 11 Approach lights area) - 2nd half	15d	20-Sep-16	07-Oct-16	0%
Reclamation SWCH 1+750 to 1+830 (North Remaining Area)					
RSC1070-250	North Area(except Portion C&D) - Surcharge removal (sub-zone 11-2-adjacent to approach lights area)	15d	22-Jun-16*	09-Jul-16	0%
"Zone D" - Portion C & D1 From SWCH1+830 to SWCH 2+070					
Seawall Construction (Portion C and D1) CH 1+850 to CH 2+020 - 170m					
Seawall 2nd Layer/Final Layer					
RSC1153	Placing under layer rock from +3.5mPD to top	7d	01-Sep-16	08-Sep-16	0%
RSC1154	Placing armour rock from +3.5mPD to top	15d	03-Sep-16	21-Sep-16	0%
RSC1155	Lay geotextile Type 1 from +3.5mPD to top	15d	13-Sep-16	30-Sep-16	0%



FILE: 3M50 (Rev.00)

Sheet 7 of 9

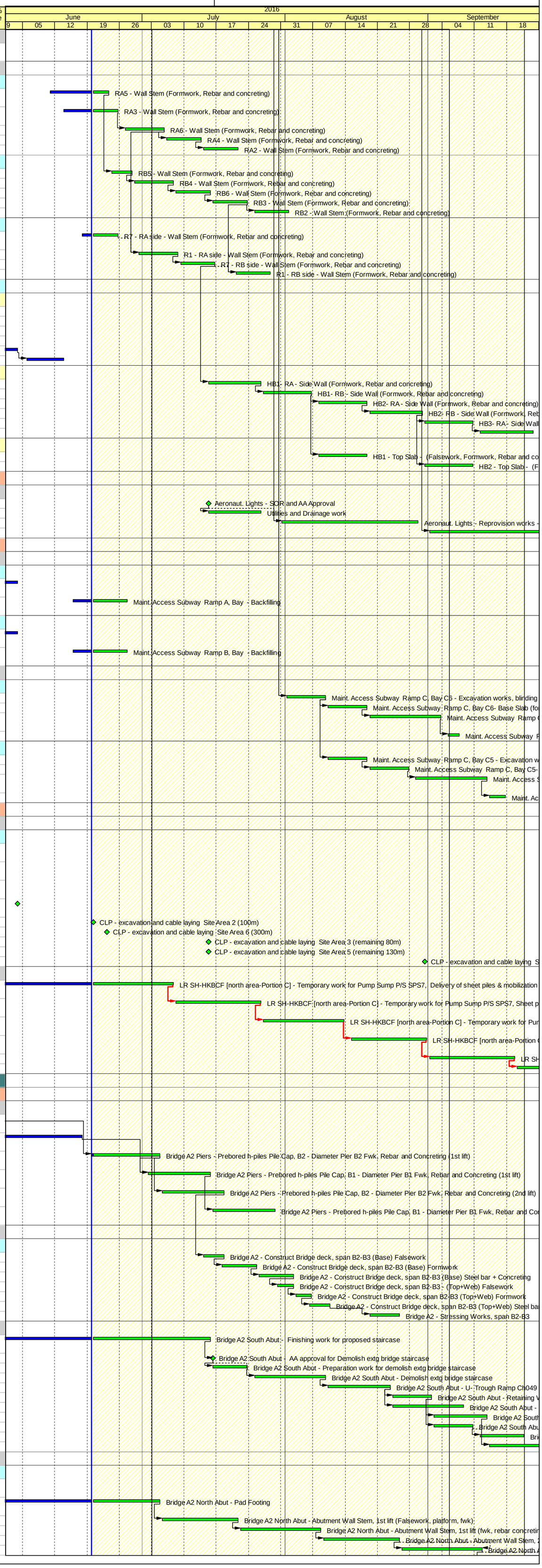
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Layout HZMB - (3M50)

TASK filters: 3M50, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
Surcharge					
RSC1157	North area Portion C - Surcharge removal [sub-zone 13], 2nd half	15d	08-Apr-16 A	27-May-16 A	100%
Portion D1					
Retaining Structure (RA2 - RA6)					
RA1010	RA5 - Wall Stem (Formwork, Rebar and concreting)	7d	11-Jun-16 A	23-Jun-16	50%
RA1070	RA3 - Wall Stem (Formwork, Rebar and concreting)	7d	14-Jun-16 A	25-Jun-16	50%
RA1030	RA6 - Wall Stem (Formwork, Rebar and concreting)	7d	27-Jun-16	05-Jul-16	0%
RA1050	RA4 - Wall Stem (Formwork, Rebar and concreting)	7d	06-Jul-16	13-Jul-16	0%
RA1090	RA2 - Wall Stem (Formwork, Rebar and concreting)	7d	14-Jul-16	21-Jul-16	0%
Retaining Structure (RB2 - RB6)					
RB1030	RB5 - Wall Stem (Formwork, Rebar and concreting)	4d	24-Jun-16	28-Jun-16	0%
RB1050	RB4 - Wall Stem (Formwork, Rebar and concreting)	7d	29-Jun-16	07-Jul-16	0%
RB1010	RB6 - Wall Stem (Formwork, Rebar and concreting)	7d	08-Jul-16	15-Jul-16	0%
RB1070	RB3 - Wall Stem (Formwork, Rebar and concreting)	7d	16-Jul-16	23-Jul-16	0%
RB1090	RB2 - Wall Stem (Formwork, Rebar and concreting)	7d	25-Jul-16	01-Aug-16	0%
Retaining Structure (R1 & R7)					
RA2030	R7 - RA side - Wall Stem (Formwork, Rebar and concreting)	7d	18-Jun-16 A	25-Jun-16	14%
RA2010	R1 - RA side - Wall Stem (Formwork, Rebar and concreting)	7d	30-Jun-16	08-Jul-16	0%
RA2050	R7 - RB side - Wall Stem (Formwork, Rebar and concreting)	7d	09-Jul-16	16-Jul-16	0%
RA2040	R1 - RB side - Wall Stem (Formwork, Rebar and concreting)	7d	21-Jul-16	28-Jul-16	0%
Retaining Structure (HB1 - HB4)					
Retaining Structure (HB1 - HB4)					
RA2140	HB1- RA side - Plile cap (Formwork, Rebar and Concrting)	4d	09-May-16 A	17-May-16 A	100%
RA2170	HB1 - RB side - Plile cap (Formwork, Rebar and Concrting)	4d	09-May-16 A	17-May-16 A	100%
RA2310	HB3 - RB side - Plile cap (Formwork, Rebar and Concrting)	10d	16-May-16 A	20-May-16 A	100%
RA2150	HB2 - RB side - Plile cap (Formwork, Rebar and Concrting)	4d	16-May-16 A	20-May-16 A	100%
RA2160	HB2 - RA side - Plile cap (Formwork, Rebar and Concrting)	6d	21-May-16 A	04-Jun-16 A	100%
RA2300	HB3 - RA side - Plile cap (Formwork, Rebar and Concrting)	6d	06-Jun-16 A	14-Jun-16 A	100%
Wall (HB1 - HB4)					
RA2180	HB1- RA - Side Wall (Formwork, Rebar and concreting)	10d	15-Jul-16	26-Jul-16	0%
RA2190	HB1- RB - Side Wall (Formwork, Rebar and concreting)	10d	27-Jul-16	06-Aug-16	0%
RA2200	HB2- RA - Side Wall (Formwork, Rebar and concreting)	10d	08-Aug-16	18-Aug-16	0%
RA2210	HB2- RB - Side Wall (Formwork, Rebar and concreting)	10d	19-Aug-16	30-Aug-16	0%
RA2230	HB3- RA - Side Wall (Formwork, Rebar and concreting)	10d	31-Aug-16	10-Sep-16	0%
RA2330	HB3- RB - Side Wall (Formwork, Rebar and concreting)	10d	12-Sep-16	23-Sep-16	0%
Top Slab (HB1 - HB4)					
RA2240	HB1 - Top Slab - (Falsework, Formwork, Rebar and concreting)	10d	08-Aug-16	18-Aug-16	0%
RA2250	HB2 - Top Slab - (Falsework, Formwork, Rebar and concreting)	10d	31-Aug-16	10-Sep-16	0%
Reprovisioning Works					
Aeronautical Lights [4 nos. affected]					
AL.180	Aeronaut. Lights - SOR and AA Approval	0d	15-Jul-16*		0%
AL.190	Utilities and Drainage work	12d	15-Jul-16	26-Jul-16	0%
AL.150	Aeronaut. Lights - Reprovision works - EM7 and EM8	30d	31-Jul-16	29-Aug-16	0%
AL.160	Aeronaut. Lights - Reprovision works - EM6 and EM7	30d	01-Sep-16	30-Sep-16	0%
Maintenance Access Subway bet. New Weather Station & Aeronautical Lights					
RAMP A & B (Existing Land Area) Waterproofing and Backfilling					
Ramp A					
MAS2045	Maint. Access Subway Ramp A, Bay - Waterproofing	14d	20-May-16 A	04-Jun-16 A	100%
MAS2055	Maint. Access Subway Ramp A, Bay - Backfilling	11d	16-Jun-16 A	27-Jun-16	54%
Ramp B					
MAS2065	Maint. Access Subway Ramp B, Bay - Waterproofing	14d	20-May-16 A	04-Jun-16 A	100%
MAS2075	Maint. Access Subway Ramp B, Bay - Backfilling	11d	16-Jun-16 A	27-Jun-16	54%
RAMP C&D (Reclamation Area)					
Bay C6					
MAS1370	Maint. Access Subway Ramp C, Bay C6 - Excavation works, blinding layer	8d	01-Aug-16	09-Aug-16	0%
MAS1380	Maint. Access Subway Ramp C, Bay C6- Base Slab (formworks, rebar fixing, concreting)	8d	10-Aug-16	18-Aug-16	0%
MAS1390	Maint. Access Subway Ramp C, Bay C6 - Wall & Roof slab (formworks, rebar fixing, concreting)	14d	19-Aug-16	03-Sep-16	0%
MAS1400	Maint. Access Subway Ramp C, Bay C6 - Removal of formworks	3d	05-Sep-16	07-Sep-16	0%
Bay C5					
MAS1410	Maint. Access Subway Ramp C, Bay C5 - Excavation works, blinding layer	8d	10-Aug-16	18-Aug-16	0%
MAS1420	Maint. Access Subway Ramp C, Bay C5- Base Slab (formworks, rebar fixing, concreting)	8d	19-Aug-16	27-Aug-16	0%
MAS1430	Maint. Access Subway Ramp C, Bay C5 - Wall & Roof slab (formworks, rebar fixing, concreting)	14d	29-Aug-16	13-Sep-16	0%
MAS1440	Maint. Access Subway Ramp C, Bay C5 - Removal of formworks	3d	14-Sep-16	17-Sep-16	0%
T001 / T002 ON GRADE ROADWORKS (Works under Section 1]					
TCSS & E&M					
CLP cable laying (by CLP)					
BA2.1205-505	CLP - excavation and cable laying Site Area 3 (300m)	0d	27-May-16 A		100%
BA2.1205-515	CLP - excavation and cable laying Site Area 4 (300m)	0d	30-May-16 A		100%
BA2.1205-625	CLP - excavation and cable laying Site Area 4 (Remaining 70m)	0d	30-May-16 A		100%
BA2.1205-525	CLP - excavation and cable laying Site Area 5 (200m)	0d	04-Jun-16 A		100%
BA2.1205-495	CLP - excavation and cable laying Site Area 2 (100m)	0d	20-Jun-16*		0%
BA2.1205-535	CLP - excavation and cable laying Site Area 6 (300m)	0d	23-Jun-16*		0%
BA2.1205-605	CLP - excavation and cable laying Site Area 3 (remaining 80m)	0d	15-Jul-16*		0%
BA2.1205-615	CLP - excavation and cable laying Site Area 5 (remaining 130m)	0d	15-Jul-16*		0%
BA2.1205-635	CLP - excavation and cable laying Site Area 11a (220m)	0d	31-Aug-16*		0%
Interface w/ HY/2010/02- 16+045 to 16+223.24					
A23730	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Delivery of sheet piles & mobilization work	15d	10-Aug-15 A	07-Jul-16	30%
A237301	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 1	16d	08-Jul-16	26-Jul-16	0%
A237302	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 2	16d	27-Jul-16	13-Aug-16	0%
A237401	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 3	15d	15-Aug-16	31-Aug-16	0%
A237402	LR SH-HKBCF [north area-Portion C] - Excavation for Pump Sump P/S SPS7, 1st Stage	15d	01-Sep-16	19-Sep-16	0%
A237403	LR SH-HKBCF [north area-Portion C] - Excavation for Pump Sump P/S SPS7, 2nd Stage	15d	20-Sep-16	07-Oct-16	0%
NB AIRPORT ROAD WORKS (INCL. BA2) - under Section 2 (Middle to North Area)					
Works in Bridge A2, under Stage 2 TTA, Diversion of SB Airport Rd (Works under Section 2)					
BA2- Foundation & Pier B1, B2					
BA2.1200-84	Bridge A2 Piers - Prebored h-piles Pile Cap, B2 - Backfilling	7d	30-Apr-16 A	25-May-16 A	100%
BA2.1200-74	Bridge A2 Piers - Prebored h-piles Pile Cap, B1 - Backfilling	7d	06-May-16 A	18-Jun-16 A	100%
BA2.1200-204	Bridge A2 Piers - Prebored h-piles Pile Cap, B2 - Diameter Pier B2 Fwk, Rebar and Concreting (1st lift)	12d	20-Jun-16 A	04-Jul-16	0%
BA2.1200-184	Bridge A2 Piers - Prebored h-piles Pile Cap, B1 - Diameter Pier B1 Fwk, Rebar and Concreting (1st lift)	12d	02-Jul-16	15-Jul-16	0%
BA2.1200-214	Bridge A2 Piers - Prebored h-piles Pile Cap, B2 - Diameter Pier B2 Fwk, Rebar and Concreting (2nd lift)	12d	05-Jul-16	18-Jul-16	0%
BA2.1200-194	Bridge A2 Piers - Prebored h-piles Pile Cap, B1 - Diameter Pier B1 Fwk, Rebar and Concreting (2nd lift)	12d	16-Jul-16	29-Jul-16	0%
BA2- Bridge Deck					
Span B2-B3					
BA2.1830-138	Bridge A2 - Construct Bridge deck, span B2-B3 (Base) Falsework	4d	14-Jul-16	18-Jul-16	0%
BA2.1830-118	Bridge A2 - Construct Bridge deck, span B2-B3 (Base) Formwork	7d	18-Jul-16	25-Jul-16	0%
BA2.1830-128	Bridge A2 - Construct Bridge deck, span B2-B3 (Base) Steel bar + Concreting	7d	26-Jul-16	02-Aug-16	0%
BA2.1830-168	Bridge A2 - Construct Bridge deck, span B2-B3 - (Top+Web) Falsework	3d	30-Jul-16	02-Aug-16	0%
BA2.1830-148	Bridge A2 - Construct Bridge deck, span B2-B3 (Top+Web) Formwork	4d	03-Aug-16	06-Aug-16	0%
BA2.1830-158	Bridge A2 - Construct Bridge deck, span B2-B3 (Top+Web) Steel bar + Concreting	4d	06-Aug-16	10-Aug-16	0%
BA2.1830-108	Bridge A2 - Stressing Works, span B2-B3	6d	19-Aug-16	25-Aug-16	0%
BA2 -South Abutment and Ramp					
BA2.1205-565	Bridge A2 South Abut - Finishing work for proposed staircase	12d	29-Apr-16 A	15-Jul-16	50%
BA2.1205-345	Bridge A2 South Abut - AA approval for Demolish extg bridge staircase	0d	16-Jul-16		0%
BA2.1205-555	Bridge A2 South Abut - Preparation work for demolish extg bridge staircase	7d	16-Jul-16	23-Jul-16	0%
BA2.1205-365	Bridge A2 South Abut - Demolish extg bridge staircase	14d	25-Jul-16	09-Aug-16	0%
BA2.1205-405	Bridge A2 South Abut - U- Trough Ramp Ch049 - Ch056 - Base Slab	12d	10-Aug-16	23-Aug-16	0%
BA2.1205-375	Bridge A2 South Abut - Retaining Wall Panel1- Base Slab	8d	24-Aug-16	01-Sep-16	0%
BA2.1205-475	Bridge A2 South Abut - U- Trough Ramp Ch049 - Ch056 - Wall Stem	14d	24-Aug-16	08-Sep-16	0%
BA2.1205-415	Bridge A2 South Abut - Retaining Wall Panel1 - Well Stem	10d	02-Sep-16	13-Sep-16	0%
BA2.1205-435	Bridge A2 South Abut - Retaining Wall Panel2- Base Slab	8d	02-Sep-16	10-Sep-16	0%
BA2.1205-455	Bridge A2 South Abut - Retaining Wall Panel3- Base Slab	8d	12-Sep-16	21-Sep-16	0%
BA2.1205-445	Bridge A2 South Abut - Retaining Wall Panel2- Well Stem	10d	14-Sep-16	26-Sep-16	0%
BA2 -North Abutment and Ramp					
North Abutment					
BA2.1205-225	Bridge A2 North Abut - Excavation, blinding layer	24d	19-Mar-16 A	14-May-16 A	100%
BA2.1205-245	Bridge A2 North Abut - Pad Footing	15d	16-May-16 A	04-Jul-16	20%
BA2.1205-255	Bridge A2 North Abut - Abutment Wall Stem, 1st lift (Falsework, platform, fwk)	15d	05-Jul-16	21-Jul-16	0%
BA2.1205-545	Bridge A2 North Abut - Abutment Wall Stem, 1st lift (fwk, rebar concreting)	15d	22-Jul-16	08-Aug-16	0%
BA2.1205-235	Bridge A2 North Abut - Abutment Wall Stem, 2nd lift + bearing plinth	15d	09-Aug-16	25-Aug-16	0%
BA2.1205-265	Bridge A2 North Abut - Preparation work for Wing Wall - 1st half	15d	26-Aug-16	12-Sep-16	0%



FILE: 3M50 (Rev.00)

Sheet 8 of 9

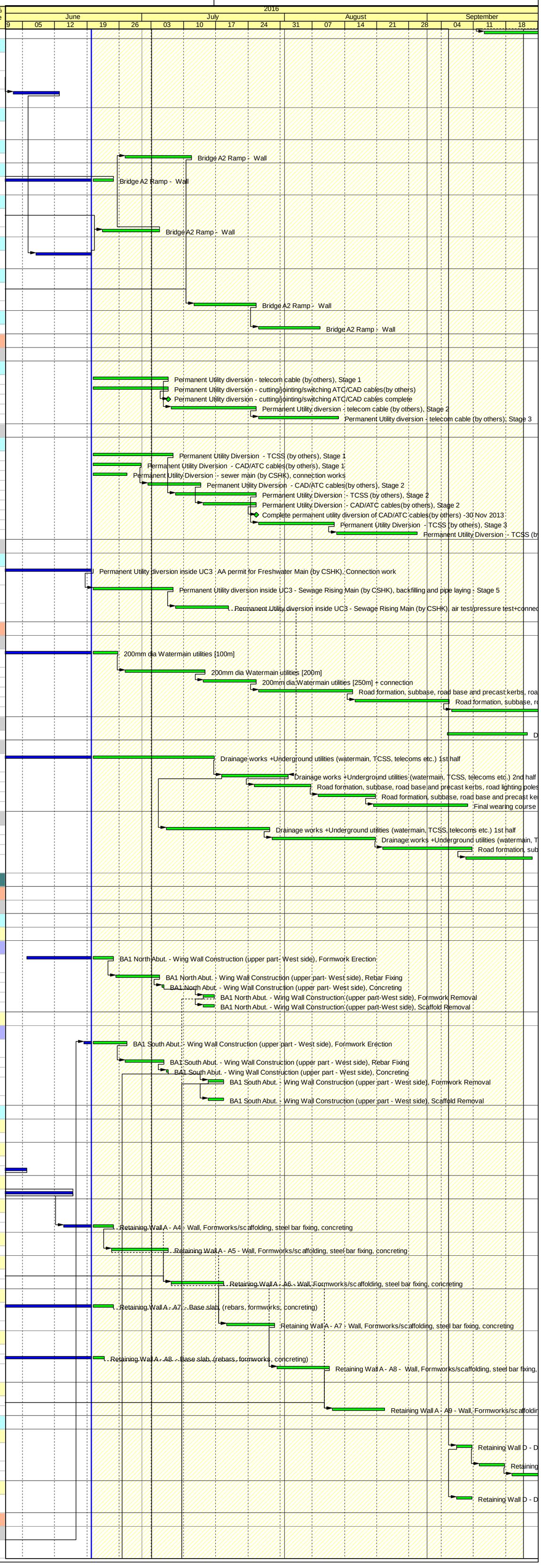
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Layout HZMB - (3M50)

TASK filters: 3M50, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
BA2.1205-645	Bridge A2 North Abut - Wing Wall - 1st half	15d	13-Sep-16	30-Sep-16	0%
Bay 1A					
BA2.1205-585	Bridge A2 Ramp - Excavation, blinding layer	3d	23-May-16 A	25-May-16 A	100%
BA2.1205-595	Bridge A2 Ramp - Base Slab	7d	26-May-16 A	30-May-16 A	100%
BA2.1205-575	Bridge A2 Ramp - Wall	8d	03-Jun-16 A	13-Jun-16 A	100%
Bay 1					
BA2.1205-5	Bridge A2 Ramp - Wall	12d	16-Mar-16 A	18-May-16 A	100%
Bay 2					
BA2.1205-35	Bridge A2 Ramp - Wall	12d	27-Jun-16	11-Jul-16	0%
Bay 4					
BA2.1205-125	Bridge A2 Ramp - Wall	12d	12-Mar-16 A	24-Jun-16	50%
Bay 5					
BA2.1205-85	Bridge A2 Ramp - Base Slab	7d	02-May-16 A	10-May-16 A	100%
BA2.1205-95	Bridge A2 Ramp - Wall	10d	22-Jun-16	04-Jul-16	0%
Bay 6					
BA2.1205-185	Bridge A2 Ramp - Wall	12d	08-Jun-16 A	20-Jun-16 A	100%
Bay 7					
BA2.1205-205	Bridge A2 Ramp - Base Slab	7d	04-May-16 A	12-May-16 A	100%
BA2.1205-215	Bridge A2 Ramp - Wall	12d	12-Jul-16	25-Jul-16	0%
Bay 8					
BA2.1205-155	Bridge A2 Ramp - Wall	12d	26-Jul-16	08-Aug-16	0%
Utility Culverts 1, 2 & 3 (Works under Section 2)					
Utility Culvert No. 1 Ext. across the road leading to Cheong Hong Road [48m Approx.]-1					
Permanent Utility Diversion inside UC 1					
UC1.1114	Permanent Utility diversion - telecom cable (by others), Stage 1	14d	20-Jun-16*	06-Jul-16	0%
UC1.1115	Permanent Utility diversion - cutting/jointing/switching ATC/CAD cables(by others)	14d	20-Jun-16*	06-Jul-16	0%
UC1.1116	Permanent Utility diversion - cutting/jointing/switching ATC/CAD cables complete	0d		06-Jul-16	0%
UC1.1163	Permanent Utility diversion - telecom cable (by others), Stage 2	16d	07-Jul-16	25-Jul-16	0%
UC1.1173	Permanent Utility diversion - telecom cable (by others), Stage 3	16d	26-Jul-16	12-Aug-16	0%
Utility Culvert No. 2 Ext. near Bridge A2 [15m Approx.] (Works under Section 2)					
Permanent Utility Diversion inside UC2					
UC2.1058	Permanent Utility Diversion - TCSS (by others), Stage 1	15d	20-Jun-16*	07-Jul-16	0%
UC2.1059	Permanent Utility Diversion - CAD/ATC cables(by others), Stage 1	10d	20-Jun-16*	30-Jun-16	0%
UC2.10525	Permanent Utility Diversion - sewer main (by CSHK), connection works	7d	20-Jun-16*	27-Jun-16	0%
UC2.10591	Permanent Utility Diversion - CAD/ATC cables(by others), Stage 2	10d	02-Jul-16	13-Jul-16	0%
UC2.10581	Permanent Utility Diversion - TCSS (by others), Stage 2	15d	08-Jul-16	25-Jul-16	0%
UC2.10592	Permanent Utility Diversion - CAD/ATC cables(by others), Stage 2	10d	14-Jul-16	25-Jul-16	0%
UC2.1061	Complete permanent utility diversion of CAD/ATC cables(by others) -30 Nov 2013	0d		25-Jul-16	0%
UC2.10582	Permanent Utility Diversion - TCSS (by others), Stage 3	15d	26-Jul-16	11-Aug-16	0%
UC2.105241	Permanent Utility Diversion - TCSS (by others), Stage 4	15d	12-Aug-16	29-Aug-16	0%
Utility Culvert No. 3 and Permanent Utility Diversion for Stage 3 TTA					
Permanent Utilities Diversion inside UC3					
A2690-16	Permanent Utility diversion inside UC3 AA permit for Freshwater Main (by CSHK), Connection work	5d	20-Apr-16 A	20-Jun-16	0%
A2680-5	Permanent Utility diversion inside UC3 - Sewage Rising Main (by CSHK), backfilling and pipe laying - Stage 5	15d	20-Jun-16	07-Jul-16	0%
A2680-6	Permanent Utility diversion inside UC3 - Sewage Rising Main (by CSHK), air test/pressure test+connection	10d	08-Jul-16	19-Jul-16	0%
Roadworks to be constructed under Stage 2 TTA					
M003 Ch 0+400 to 0+800 (Permanent), L=400m					
A2860-1	200mm dia Watermain utilities [100m]	15d	04-Dec-15 A	25-Jun-16	30%
A2860-14	200mm dia Watermain utilities [200m]	15d	27-Jun-16	14-Jul-16	0%
A2860-24	200mm dia Watermain utilities [250m] + connection	10d	14-Jul-16	25-Jul-16	0%
A2870	Road formation, subbase, road base and precast kerbs, road lighting poles - 1st half	18d	26-Jul-16	15-Aug-16	0%
A237824	Road formation, subbase, road base and precast kerbs, road lighting poles - 2nd half	18d	16-Aug-16	05-Sep-16	0%
A2880	Final wearing course and road marking and traffic signs, road lighting lamps & T&C	21d	06-Sep-16	30-Sep-16	0%
M004 (from BA2) Ch 0+600 to 0+730 (Permanent), L=130m					
A3360	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), Stage 1	15d	05-Sep-16*	22-Sep-16	0%
M001 Ch 0+550 to 0+981 (UC3 Area) (Permanent), L=431m					
A3130	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.) 1st half	13d	02-Apr-16 A	16-Jul-16	70%
A237804	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.) 2nd half	13d	18-Jul-16	01-Aug-16	0%
A3150	Road formation, subbase, road base and precast kerbs, road lighting poles 1st half	12d	25-Jul-16	06-Aug-16	0%
A237814	Road formation, subbase, road base and precast kerbs, road lighting poles 2nd half	12d	08-Aug-16	20-Aug-16	0%
A3140	Final wearing course and road marking and traffic signs, road lighting lamps & T&C	18d	20-Aug-16	09-Sep-16	0%
Temporary Slip Road (3 lanes going NB Airport Rd to T1 & T2)					
A2890	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.) 1st half	20d	06-Jul-16	28-Jul-16	0%
A237794	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.) 2nd half	20d	29-Jul-16	20-Aug-16	0%
A2900	Road formation, subbase, road base and precast kerbs, road lighting poles	18d	22-Aug-16	10-Sep-16	0%
A2910	Final wearing course and road marking and traffic signs, road lighting lamps & T&C	12d	09-Sep-16	23-Sep-16	0%
EAST COAST ROAD WORKS (INCL. BA1 & DEP. RD.) - under Section 2 (Middle to North Area)					
Works to be constructed under Stage 1 TTA (divert traffic to existing ECR NB RD/ Future M008)					
Works in Bridge A1 & Depressed Road					
Bridge A1 - Abutment Construction					
North Abutment					
Wall Construction (Upper Part)					
BA1.1020-70	BA1 North Abut. - Wing Wall Construction (upper part- West side), Formwork Erection	9d	06-Jun-16 A	24-Jun-16	44%
BA1.1020-80	BA1 North Abut. - Wing Wall Construction (upper part- West side), Rebar Fixing	7d	25-Jun-16	04-Jul-16	0%
BA1.1020-90	BA1 North Abut. - Wing Wall Construction (upper part- West side), Concreting	1d	05-Jul-16	05-Jul-16	0%
BA1.1020-100	BA1 North Abut. - Wing Wall Construction (upper part-West side), Formwork Removal	3d	14-Jul-16	16-Jul-16	0%
BA1.1020-110	BA1 North Abut. - Wing Wall Construction (upper part-West side), Scaffold Removal	3d	14-Jul-16	16-Jul-16	0%
South Abutment					
Wall Construction (Upper Part)					
BA1.1020-120	BA1 South Abut. - Wing Wall Construction (upper part - West side), Formwork Erection	9d	18-Jun-16 A	27-Jun-16	22%
BA1.1020-130	BA1 South Abut. - Wing Wall Construction (upper part - West side), Rebar Fixing	7d	27-Jun-16	05-Jul-16	0%
BA1.1020-140	BA1 South Abut. - Wing Wall Construction (upper part - West side), Concreting	1d	06-Jul-16	06-Jul-16	0%
BA1.1020-150	BA1 South Abut. - Wing Wall Construction (upper part - West side), Formwork Removal	3d	15-Jul-16	18-Jul-16	0%
BA1.1020-160	BA1 South Abut. - Wing Wall Construction (upper part - West side), Scaffold Removal	3d	15-Jul-16	18-Jul-16	0%
Retaining Wall A(Bay 1 to Bay 9)					
Bay A1					
BA1.1022-151	Retaining Wall A - A1 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	05-May-16 A	25-May-16 A	100%
Bay A2					
BA1.1022-172	Retaining Wall A - A2 - Remaining Base slab, (rebars, formworks, concreting)	5d	05-May-16 A	13-May-16 A	100%
BA1.1022-182	Retaining Wall A - A2 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	14-May-16 A	06-Jun-16 A	100%
Bay A3					
BA1.1022-202	Retaining Wall A - A3 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	05-May-16 A	16-Jun-16 A	100%
Bay A4					
BA1.1024-3	Retaining Wall A - A4 - Base slab, (rebars, formworks, concreting)	5d	05-May-16 A	13-May-16 A	100%
BA1.1024-31	Retaining Wall A - A4 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	14-Jun-16 A	24-Jun-16	50%
Bay A5					
BA1.1024-61	Retaining Wall A - A5 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	24-Jun-16	06-Jul-16	0%
Bay A6					
BA1.1024-81	Retaining Wall A - A6 - Base slab, (rebars, formworks, concreting)	5d	07-May-16 A	16-May-16 A	100%
BA1.1024-91	Retaining Wall A - A6 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	07-Jul-16	18-Jul-16	0%
Bay A7					
BA1.1024-111	Retaining Wall A - A7 - Base slab, (rebars, formworks, concreting)	5d	17-May-16 A	24-Jun-16	30%
BA1.1024-121	Retaining Wall A - A7 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	19-Jul-16	29-Jul-16	0%
Bay A8					
BA1.1024-131	Retaining Wall A - A8 - Excavation, blinding layer	5d	05-Apr-16 A	18-May-16 A	100%
BA1.1024-141	Retaining Wall A - A8 - Base slab, (rebars, formworks, concreting)	5d	19-May-16 A	22-Jun-16	40%
BA1.1024-151	Retaining Wall A - A8 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	30-Jul-16	10-Aug-16	0%
Bay A9					
BA1.1024-171	Retaining Wall A - A9 - Base slab, (rebars, formworks, concreting)	5d	07-May-16 A	11-May-16 A	100%
BA1.1024-181	Retaining Wall A - A9 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	11-Aug-16	22-Aug-16	0%
Retaining Wall D(Bay 1 to Bay 4)					
Bay D3					
BA1.1021-16	Retaining Wall D - D3 - Excavation	4d	07-Sep-16	10-Sep-16	0%
BA1.1020-21	Retaining Wall D - D3 -Base slab, (rebars, formworks, concreting)	5d	12-Sep-16	17-Sep-16	0%
BA1.1020-22	Retaining Wall D - D3 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	19-Sep-16	29-Sep-16	0%
Bay D4					
BA1.1020-233	Retaining Wall D - D4 - Excavation, blinding layer	4d	07-Sep-16	10-Sep-16	0%
Works to be constructed under Stage 3 TTA (divert traffic to BA1 & ex. ECR SB RD/ Future M009)					
BA1 - Cantilever Slab Area					
A237594	Site clearance	12d	17-Mar-16 A	26-May-16 A	100%



FILE: 3M50 (Rev.00)

Sheet 9 of 9

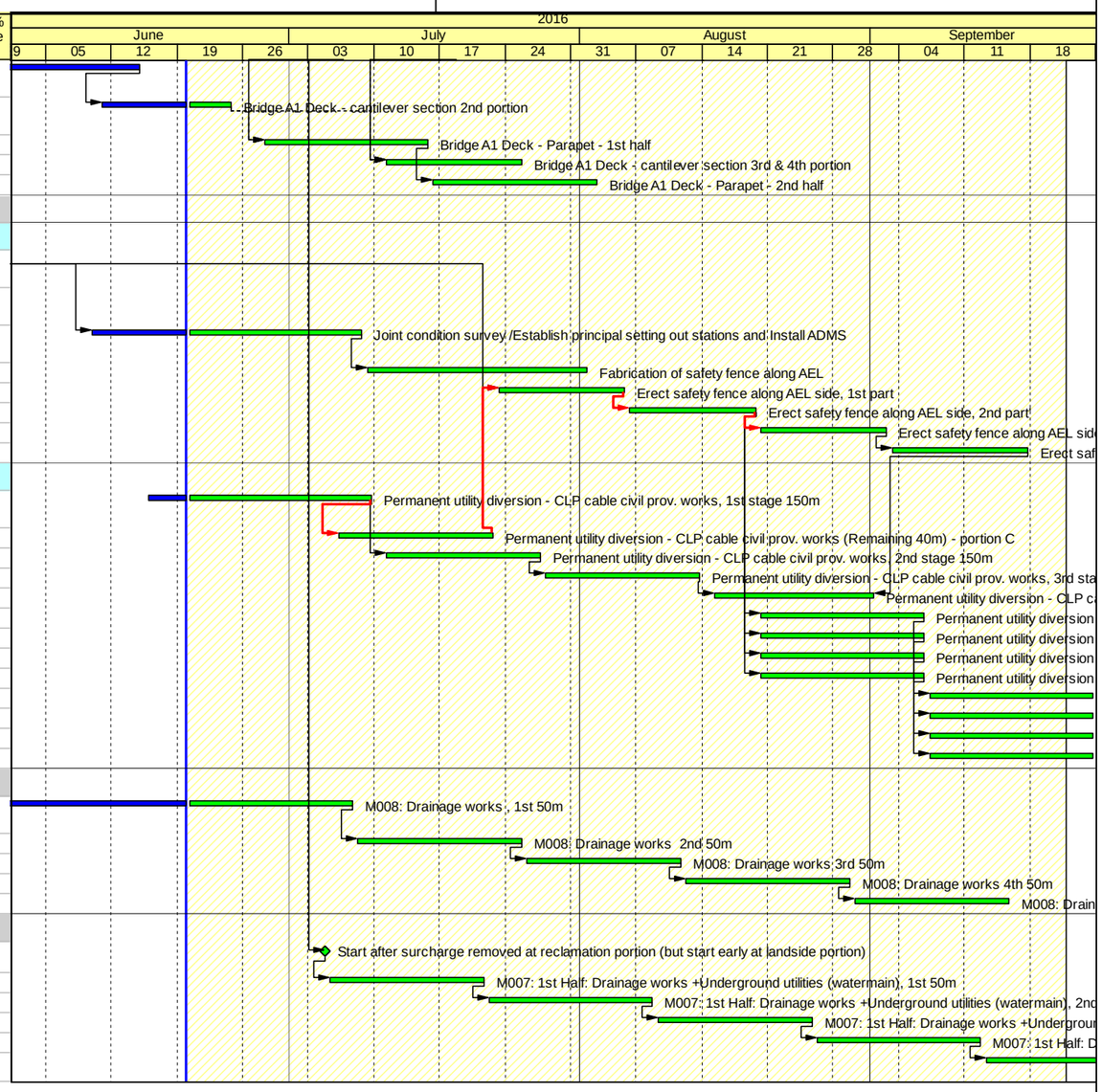
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Jul 2016 to Sep 2016)

Layout HZMB - (3M50)

TASK filters: 3M50, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
A3620	Bridge A1 Deck - cantilever section 1st portion	13d	27-May-16 A	15-Jun-16 A	100%
A3570	Bridge A1 Deck - cantilever section 2nd portion	13d	11-Jun-16 A	24-Jun-16	61%
A237894	Bridge A1 Deck - Parapet - 1st half	15d	28-Jun-16	15-Jul-16	0%
A237884	Bridge A1 Deck - cantilever section 3rd & 4th portion	13d	11-Jul-16	25-Jul-16	0%
A237904	Bridge A1 Deck - Parapet - 2nd half	15d	16-Jul-16	02-Aug-16	0%
Stage 2 ELS - Permanent Soldier Pile Wall along AEL					
Initial Works					
A237604	Utilities Work (Trial pit and cable detection)	12d	27-Apr-16 A	11-May-16 A	100%
A3952	Install ADMS, footing of total station	12d	12-May-16 A	18-May-16 A	100%
A3950	Joint condition survey /Establish principal setting out stations and Install ADMS	12d	10-Jun-16 A	08-Jul-16	0%
A237834	Fabrication of safety fence along AEL	20d	09-Jul-16	01-Aug-16	0%
A3939	Erect safety fence along AEL side, 1st part	12d	23-Jul-16	05-Aug-16	0%
A3940	Erect safety fence along AEL side, 2nd part'	12d	06-Aug-16	19-Aug-16	0%
A237614	Erect safety fence along AEL side, 3rd part'	12d	20-Aug-16	02-Sep-16	0%
A237624	Erect safety fence along AEL side, 4th part'	12d	03-Sep-16	17-Sep-16	0%
Utilities Permanent Diversion at BA1/Depressed Rd Area					
A3870	Permanent utility diversion - CLP cable civil prov. works, 1st stage 150m	15d	16-Jun-16 A	09-Jul-16	50%
A3871	Permanent utility diversion - CLP cable civil prov. works (Remaining 40m) - portion C	15d	06-Jul-16	22-Jul-16	0%
A3931	Permanent utility diversion - CLP cable civil prov. works, 2nd stage 150m	15d	11-Jul-16	27-Jul-16	0%
A237914	Permanent utility diversion - CLP cable civil prov. works, 3rd stage 150m	15d	28-Jul-16	13-Aug-16	0%
A237924	Permanent utility diversion - CLP cable civil prov. works, 4th stage 150m	15d	15-Aug-16	01-Sep-16	0%
A3880	Permanent utility diversion - fresh water main (by CSHK), 1st Stage	15d	20-Aug-16	06-Sep-16	0%
A3900	Permanent utility diversion - gas main (by others), 1st Stage	15d	20-Aug-16	06-Sep-16	0%
A3840	Permanent utility diversion - telecom cable / CAD cable (by others), 1st Stage	15d	20-Aug-16	06-Sep-16	0%
A3850	Permanent utility diversion - TCSS cable (by others), 1st Stage	15d	20-Aug-16	06-Sep-16	0%
A3891	Permanent utility diversion - fresh water main (by CSHK), 1st Stage	15d	07-Sep-16	24-Sep-16	0%
A3930	Permanent utility diversion - gas main (by others), 1st Stage	15d	07-Sep-16	24-Sep-16	0%
A3911	Permanent utility diversion - telecom cable / CAD cable (by others), 1st Stage	15d	07-Sep-16	24-Sep-16	0%
A3921	Permanent utility diversion - TCSS cable (by others), 1st Stage	15d	07-Sep-16	24-Sep-16	0%
Construct M008, Ch 0+100 to Ch 0+787, L=687m (except Depressed Rd. Area)					
A4370	M008: Drainage works , 1st 50m	15d	19-Mar-16 A	07-Jul-16	50%
A4371	M008: Drainage works 2nd 50m	15d	08-Jul-16	25-Jul-16	0%
A4372	M008: Drainage works 3rd 50m	15d	26-Jul-16	11-Aug-16	0%
A4373	M008: Drainage works 4th 50m	15d	12-Aug-16	29-Aug-16	0%
A4374	M008: Drainage works 5th 50m	15d	30-Aug-16	15-Sep-16	0%
Construct M007 Ch. 0+100 to Ch. 0+483), L=383m					
A4590	Start after surcharge removed at reclamation portion (but start early at landside portion)	0d		04-Jul-16	0%
A4540	M007: 1st Half: Drainage works +Underground utilities (watermain), 1st 50m	15d	05-Jul-16	21-Jul-16	0%
A4720	M007: 1st Half: Drainage works +Underground utilities (watermain), 2nd 50m	15d	22-Jul-16	08-Aug-16	0%
A4730	M007: 1st Half: Drainage works +Underground utilities (watermain), 3rd 50m	15d	09-Aug-16	25-Aug-16	0%
A4900	M007: 1st Half: Drainage works +Underground utilities (watermain,), 4th 50m	15d	26-Aug-16	12-Sep-16	0%
A4910	M007: 1st Half: Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), Stage 4	15d	13-Sep-16	30-Sep-16	0%



APPENDIX C

Calibration Certificates

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

Certificate of Calibration
校正證書

Certificate No. : C153870
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC15-1591) Date of Receipt / 收件日期 : 16 July 2015

Description / 儀器名稱 : Acoustical Calibrator
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 4231
Serial No. / 編號 : 3004068
Supplied By / 委託者 : Atkins China Limited
19/F., Tower 1, The Gateway Harbour City,
Tsim Sha Tsui, Kowloon

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 18 July 2015

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within 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
Project Engineer

Certified By 核證 : K M Wu
Engineer

Date of Issue 簽發日期 : 21 July 2015

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 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青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C153870
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	C153519
CL281	Multifunction Acoustic Calibrator	DC130171
TST150A	Measuring Amplifier	C141558

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 :
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, Tsing Shan Wan Exchange Building, 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青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 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 and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C155032
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC15-2021) Date of Receipt / 收件日期 : 2 September 2015

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 19/F., Tower 1, The Gateway Harbour City, Tsim Sha Tsui, Kowloon

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 9 September 2015

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within 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 : H T Wong, Technical Officer

Certified By 核證 : K C Lee, Project Engineer

Date of Issue 簽發日期 : 11 September 2015

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 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青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C155032
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 laboratory acoustic calibrator was performed before the test from 6.1.1.2 to 6.4.

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	C150014
CL281	Multifunction Acoustic Calibrator	DC130171

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Self-calibration

UUT Setting				Applied Value		UUT
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
50 - 130	L_{AFP}	A	F	94.00	1	94.2

6.1.1.2 After Self-calibration

UUT Setting				Applied Value		UUT	IEC 60651
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Type 1 Spec. (dB)
50 - 130	L_{AFP}	A	F	94.00	1	94.0	± 0.7

6.1.2 Linearity

UUT Setting				Applied Value		UUT
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
50 - 130	L_{AFP}	A	F	94.00	1	94.0 (Ref.)
				104.00		104.0
				114.00		114.0

IEC 60651 Type 1 Spec. : ± 0.4 dB per 10 dB step and ± 0.7 dB for overall different.

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 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青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C155032
證書編號

6.2 Time Weighting

6.2.1 Continuous Signal

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 130	L_{AFP}	A	F	94.00	1	94.0	Ref.
	L_{ASP}		S			94.1	± 0.1
	L_{AIP}		I			94.1	± 0.1

6.2.2 Tone Burst Signal (2 kHz)

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration		
30 - 110	L_{AFP}	A	F	106.0	Continuous	106.0	Ref.
	L_{AFMax}				200 ms	105.0	-1.0 ± 1.0
	L_{ASP}		S		Continuous	106.0	Ref.
	L_{ASMax}				500 ms	102.0	-4.1 ± 1.0

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{AFP}	A	F	94.00	31.5 Hz	54.8	-39.4 ± 1.5
					63 Hz	67.9	-26.2 ± 1.5
					125 Hz	77.8	-16.1 ± 1.0
					250 Hz	85.3	-8.6 ± 1.0
					500 Hz	90.7	-3.2 ± 1.0
					1 kHz	94.0	Ref.
					2 kHz	95.2	+1.2 ± 1.0
					4 kHz	95.0	+1.0 ± 1.0
					8 kHz	92.9	-1.1 (+1.5 ; -3.0)
					12.5 kHz	89.8	-4.3 (+3.0 ; -6.0)

Certificate of Calibration
校正證書

Certificate No. : C155032
證書編號

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{CFP}	C	F	94.00	31.5 Hz	91.1	-3.0 ± 1.5
					63 Hz	93.2	-0.8 ± 1.5
					125 Hz	93.8	-0.2 ± 1.0
					250 Hz	94.0	0.0 ± 1.0
					500 Hz	94.0	0.0 ± 1.0
					1 kHz	94.0	Ref.
					2 kHz	93.8	-0.2 ± 1.0
					4 kHz	93.2	-0.8 ± 1.0
					8 kHz	91.0	-3.0 (+1.5 ; -3.0)
					12.5 kHz	87.9	-6.2 (+3.0 ; -6.0)

6.4 Time Averaging

UUT Setting				Applied Value					UUT Reading (dB)	IEC 60804 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Integrating Time	Frequency (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)		
30 - 110	L_{Aeq}	A	10 sec.	4	1	1/10	110.0	100	99.9	± 0.5
						$1/10^2$		90	90.0	± 0.5
			60 sec.			$1/10^3$		80	79.2	± 1.0
			5 min.			$1/10^4$		70	69.2	± 1.0

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

- Mfr's Spec. : IEC 60651 Type 1 & IEC 60804 Type 1

- Uncertainties of Applied Value :

94 dB	: 31.5 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)
Burst equivalent level		: ± 0.2 dB (Ref. 110 dB continuous sound level)

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

Note :
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, Tsing Shan Wan Exchange Building, 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青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 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 : P.F.Yeung
Date : 14/04/2016

Sampler
Model : TE-5170
Serial Number : S/N3640

Calibration Orifice and Standard Calibration Relationship
Serial Number : 2454
Service Date : 14 Mar 2016
Slope (m) : 2.10326
Intercept (b) : -0.06696
Correlation Coefficient(r) : 0.99989

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

Calibration Condition
Pa (hpa) : 1008
Ta(K) : 296

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	11.6	3.409	1.653	54	54.05
2	13 holes	9.2	3.036	1.475	48	48.04
3	10 holes	6.8	2.610	1.273	43	43.04
4	7 holes	4.4	2.099	1.030	36	36.03
5	5 holes	2.8	1.675	0.828	30	30.03

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):28.650 Intercept(b): 6.374 Correlation Coefficient(r): 0.9992

Checked by: Magnum Fan Date: 18/04/2016

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location	**:**	**AMS6(Dragonair Building)**
Calibrated by	**:**	**P.F.Yeung**
Date	**:**	**14/04/2016**

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number	**:**	**2454**
Service Date	**:**	**14 Mar 2016**
Slope (m)	**:**	**2.10326**
Intercept (b)	**:**	**-0.06696**
Correlation Coefficient(r)	**:**	**0.99989**

Standard Condition

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

Calibration Condition

Pa (hpa)	**:**	**1008**
Ta(K)	**:**	**296**

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	11.5	3.394	1.646	56	56.05
2	13 holes	9.5	3.085	1.499	51	51.05
3	10 holes	6.8	2.610	1.273	45	45.04
4	7 holes	4.6	2.147	1.052	38	38.03
5	5 holes	2.6	1.614	0.799	31	31.03

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):29.423 Intercept(b): 7.351 Correlation Coefficient(r): 0.9995

Checked by: Magnum Fan Date: 18/04/2016

ENVIROTECH SERVICES CO.

.

High-Volume TSP Sampler
5-Point Calibration Record

Location	**:**	**AMS5(Ma Wan Chung Village)**
Calibrated by	**:**	**P.F.Yeung**
Date	**:**	**07/06/2016**

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number	**:**	**2454**
Service Date	**:**	**14 Mar 2016**
Slope (m)	**:**	**2.10326**
Intercept (b)	**:**	**-0.06696**
Correlation Coefficient(r)	**:**	**0.99989**

Standard Condition

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

Calibration Condition

Pa (hpa)	**:**	**1008**
Ta(K)	**:**	**302**

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	**18 holes**	**10.7**	**3.241**	**1.573**	**57**	**56.48**
2	**13 holes**	**8.2**	**2.838**	**1.381**	**51**	**50.54**
3	**10 holes**	**6.3**	**2.487**	**1.214**	**45**	**44.59**
4	**7 holes**	**4.0**	**1.982**	**0.974**	**37**	**36.66**
5	**5 holes**	**2.5**	**1.567**	**0.777**	**30**	**29.73**

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): 33.075 **Intercept(b): 3.699** **Correlation Coefficient(r): 0.9998**

Checked by: Magnum Fan **Date: 12/06/2016**

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS6(Dragonair Building)
Calibrated by : P.F.Yeung
Date : 07/06/2016

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

Calibration Orifice and Standard Calibration Relationship
Serial Number : 2454
Service Date : 14 Mar 2016
Slope (m) : 2.10326
Intercept (b) : -0.06696
Correlation Coefficient(r) : 0.99989

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

Calibration Condition
Pa (hpa) : 1008
Ta(K) : 302

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	10.8	3.256	1.580	60	59.45
2	13 holes	8.6	2.906	1.413	54	53.51
3	10 holes	6.2	2.467	1.205	48	47.56
4	7 holes	4.0	1.982	0.974	40	39.64
5	5 holes	2.4	1.535	0.762	34	33.70

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):31.475 Intercept(b): 9.415 Correlation Coefficient(r): 0.9993

Checked by: Magnum Fan Date: 12/06/2016

TISCH Environmental

TISCH ENVIRONMENTAL, INC.
145 SOUTH MIAMI AVE
VILLAGE OF CLEVES, OH
45002
513.467.9000
877.263.7610 TOLL FREE
513.467.9009 FAX

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Mar 14, 2016 Rootsmeter S/N 0438320 Ta (K) - 295
Operator Tisch Orifice I.D. - 2454 Pa (mm) - 745.49

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.4020	3.2	2.00
2	NA	NA	1.00	1.0060	6.4	4.00
3	NA	NA	1.00	0.9010	7.9	5.00
4	NA	NA	1.00	0.8590	8.8	5.50
5	NA	NA	1.00	0.7090	12.8	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)
0.9866	0.7037	1.4078
0.9824	0.9765	1.9909
0.9803	1.0880	2.2259
0.9792	1.1399	2.3345
0.9738	1.3735	2.8155

Qstd slope (m) = 2.10326
intercept (b) = -0.06696
coefficient (r) = 0.99989

y axis = SQRT[H2O(Pa/760)(298/Ta)]

Va	(x axis) Qa	(y axis)
0.9957	0.7102	0.8896
0.9914	0.9855	1.2581
0.9893	1.0980	1.4066
0.9882	1.1504	1.4753
0.9828	1.3862	1.7792

Qa slope (m) = 1.31703
intercept (b) = -0.04232
coefficient (r) = 0.99989

y axis = SQRT[H2O(Ta/Pa)]

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)
Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]
Qa = Va/Time

For subsequent flow rate calculations:

Qstd = 1/m{[SQRT(H2O(Pa/760)(298/Ta))]- b}
Qa = 1/m{[SQRT H2O(Ta/Pa)]- b}

EQUIPMENT CALIBRATION RECORD

Type :	Laser Dust Monitor
Manufacturer / Brand :	SIBATA
Model No.:	LD-3B
Equipment No.:	LD-3B-003
Serial No.:	276018
Sensitivity Adjustment Scale Setting :	799 CPM

Standard Equipment

Equipment :	MFC High Volume Air Sampler
Venue :	Tung Chung Pier
Model No.:	TE-5170 Total Suspended Particulate
Serial No.:	S/N3641

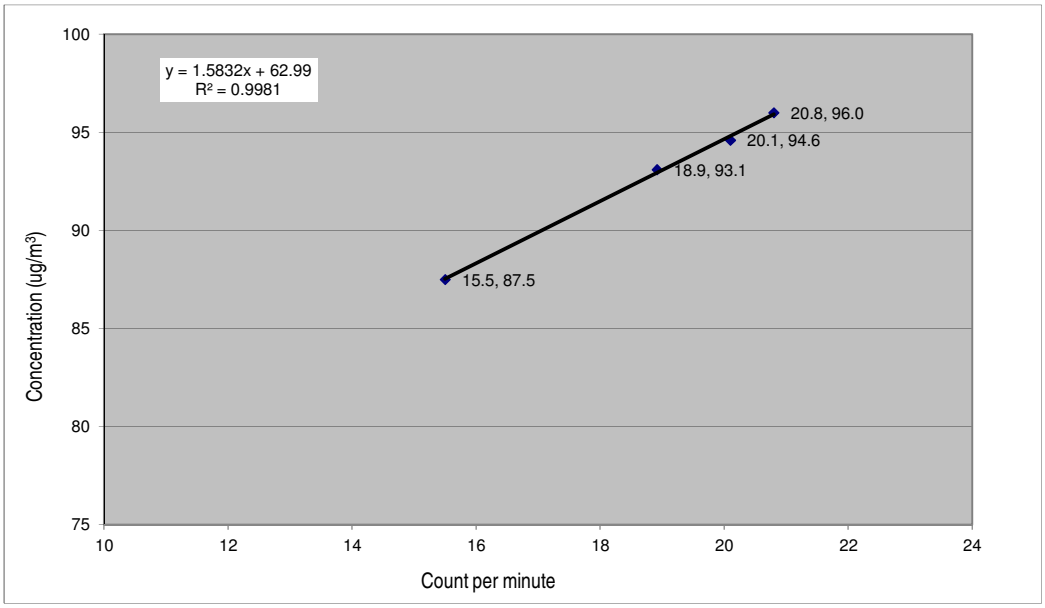
Calibration Result

Sensitivity Adjustment Scale Setting (Before Calibration) :	799 CPM
Sensitivity Adjustment Scale Setting (After Calibration) :	799 CPM

Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m^3) Y-axis	Total Count	Count/Minute X-axis
				Temp (^{o}C)	R.H. (%)			
1	25-Nov-15	14:20	15:20	23.6	68%	87.5	930	15.5
2	25-Nov-15	15:34	16:34	24.8	60%	93.1	1135	18.9
3	25-Nov-15	16:50	17:50	23.8	60%	96.0	1248	20.8
4	25-Nov-15	18:00	19:00	23.5	50%	94.6	1206	20.1

Be Linear Regression of Y or X
Slope (K-factor): 1.5832
Correlation coefficient : 0.9981

Remark:



Recorded by: Ray Cheng Signature: Date: 30/11/2015

Checked by: Keith Chau Signature: Date: 30/11/2015

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
www.alsglobal.com

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	MR MIKE SHEK	**WORK ORDER:**	HK1616643
CLIENT:	AECOM ASIA COMPANY LIMITED	**SUB-BATCH:**	0
ADDRESS:	1501-10, 15/F, TOWER 1, GRAND CENTRAL PLAZA, 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, NEW TERRITORIES, HONG KONG	**LABORATORY:**	HONG KONG
		DATE RECEIVED:	28/04/2016
		DATE OF ISSUE:	29/04/2016

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 principals as practised by the ALS Hong Kong laboratory or quoted from relevant international standards.

Scope of Test:	Conductivity, Dissolved Oxygen, Salinity, pH, Turbidity and Temperature
Description:	Multifunctional Meter
Brand Name:	YSI
Model No.:	6820 V2
Serial No.:	12A101545
Equipment No.:	W.026.35
Date of Calibration:	28 April, 2016

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.

Mr Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1616643
Sub-batch: 0
Client: AECOM ASIA COMPANY LIMITED
Date of Issue: 29/04/2016

Description: Multifunctional Meter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12A101545
Equipment No.: W.026.35
Date of Calibration: 28 April, 2016 Date of next Calibration: 28 July, 2016

Parameters:

Conductivity **Method Ref: APHA (21th edition), 2510B**

Expected Reading (uS/cm)	Displayed Reading (uS/cm)	Tolerance (%)
146.9	140.5	-4.4
6667	6750	+1.2
12890	12680	-1.6
58670	58320	-0.6
	Tolerance Limit (%)	±10.0

Dissolved Oxygen **Method Ref: APHA (21st edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.43	3.40	-0.03
5.50	5.46	-0.04
7.75	7.73	-0.02
	Tolerance Limit (mg/L)	±0.20

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

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)
11.0	10.94	-0.1
22.0	21.97	-0.0
37.5	37.44	-0.1
	Tolerance Limit (°C)	±2.0

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

Mr Fung Lim Chee, Richard
General Manager
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1616643
Sub-Batch: 0
Client: AECOM ASIA COMPANY LIMITED
Date of Issue: 29/04/2016

Description: Multifunctional Meter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12A101545
Equipment No.: W.026.35
Date of Calibration: 28 April, 2016 Date of next Calibration: 28 July, 2016

Parameters:

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

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)
0	0.00	--
10	10.05	+0.5
20	19.94	-0.3
30	29.90	-0.3
	Tolerance Limit (%)	±10.0

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.1	+2.5
10	9.9	-1.0
20	20.2	+1.0
50	50.2	+0.4
100	100.4	+0.4
	Tolerance Limit (%)	±10.0

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	6.99	-0.01
10.0	10.03	+0.03
	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.

Mr Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

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
www.alsglobal.com

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	MR MIKE SHEK	**WORK ORDER:**	HK1616644
CLIENT:	AECOM ASIA COMPANY LIMITED	**SUB-BATCH:**	0
ADDRESS:	1501-10, 15/F, TOWER 1, GRAND CENTRAL PLAZA, 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, NEW TERRITORIES, HONG KONG	**LABORATORY:**	HONG KONG
		DATE RECEIVED:	28/04/2016
		DATE OF ISSUE:	29/04/2016

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 principals as practised by the ALS Hong Kong laboratory or quoted from relevant international standards.

Scope of Test:	Conductivity, Dissolved Oxygen, Salinity, pH, Turbidity and Temperature
Description:	Multifunctional Meter
Brand Name:	YSI
Model No.:	6820 V2
Serial No.:	12D100972
Equipment No.:	W.026.36
Date of Calibration:	28 April, 2016

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.

Mr Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1616644
Sub-batch: 0
Client: AECOM ASIA COMPANY LIMITED
Date of Issue: 29/04/2016

Description: Multifunctional Meter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12D100972
Equipment No.: W.026.36
Date of Calibration: 28 April, 2016 Date of next Calibration: 28 July, 2016

Parameters:

Conductivity **Method Ref: APHA (21th edition), 2510B**

Expected Reading (uS/cm)	Displayed Reading (uS/cm)	Tolerance (%)
146.9	142.0	-3.3
6667	6780	+1.7
12890	12640	-1.9
58670	58790	+0.2
	Tolerance Limit (%)	±10.0

Dissolved Oxygen **Method Ref: APHA (21st edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.43	3.45	+0.02
5.50	5.51	+0.01
7.75	7.76	+0.01
	Tolerance Limit (mg/L)	±0.20

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

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)
11.0	10.95	-0.1
22.0	22.02	+0.0
37.5	37.53	+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.

Mr Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1616644
Sub-Batch: 0
Client: AECOM ASIA COMPANY LIMITED
Date of Issue: 29/04/2016

Description: Multifunctional Meter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12D100972
Equipment No.: W.026.36
Date of Calibration: 28 April, 2016 Date of next Calibration: 28 July, 2016

Parameters:

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

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)
0	0.00	--
10	10.05	+0.5
20	20.02	+0.1
30	29.94	-0.2
	Tolerance Limit (%)	±10.0

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	3.9	-2.5
10	9.8	-2.0
20	19.7	-1.5
50	50.5	+1.0
100	99.7	-0.3
	Tolerance Limit (%)	±10.0

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

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	4.01	+0.01
7.0	7.03	+0.03
10.0	10.01	+0.01
	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.

Mr Fung Lim Chee, Richard
General Manager
Greater China & Hong Kong

APPENDIX D

Monitoring Schedule

Jun-16

	Monday	Tueday	Wednesday	Thursday	Friday	Saturday	Sunday
Time			1-Jun	2-Jun	3-Jun	4-Jun	5-Jun
			1st Dolphin Monitoring Water Quality Monitoring	Sedimentation Rate - Mudflat Monitoring	AMS6 - 24hr Dust Water Quality Monitoring	Mudflat monitoring	Mudflat monitoring
Time	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun	12-Jun
	AMS6-1hr AMS5-1hr+NMS5 Mudflat monitoring 1st Dolphin Monitoring Water Quality Monitoring	AMS5 - 24hr Dust (See Remark 1)	AMS6/AMS5 - 24hr Dust Water Quality Monitoring	Holiday	AMS6-1hr AMS5-1hr Water Quality Monitoring		
Time	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	18-Jun	19-Jun
	2nd Dolphin Monitoring Water Quality Monitoring	AMS6/AMS5 - 24hr Dust	Water Quality Monitoring	AMS6-1hr AMS5-1hr+NMS5	2nd Dolphin Monitoring (See Remark 2) Water Quality Monitoring	Mudflat monitoring	Mudflat monitoring
Time	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun	26-Jun
	AMS6/AMS5 - 24hr Dust Water Quality Monitoring		AMS6-1hr AMS5-1hr+NMS5 Water Quality Monitoring		AMS6/AMS5 - 24hr Dust Water Quality Monitoring		
Time	27-Jun	28-Jun	29-Jun	30-Jun			
	Water Quality Monitoring	AMS6-1hr AMS5-1hr+NMS5	Water Quality Monitoring	AMS6/AMS5 - 24hr Dust			

Remarks:

1) Due to power interruption and malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 was rescheduled from 3 June 2016 to 7 June 2016.

2) Due to clash of schedule, the dolphin monitoring schedule was rescheduled from 20 June 2016 to 17 June 2016.

Jul-16

	Monday	Tueday	Wednesday	Thursday	Friday	Saturday	Sunday
Time					1-Jul	2-Jul	3-Jul
					Holiday Water Quality Monitoring		
Time	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul
	AMS6-1hr AMS5-1hr+NMS5 Water Quality Monitoring		AMS6/AMS5 - 24hr Dust Water Quality Monitoring		AMS6-1hr AMS5-1hr Water Quality Monitoring		
Time	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul
	1st Dolphin Monitoring Water Quality Monitoring	AMS6/AMS5 - 24hr Dust	Water Quality Monitoring	AMS6-1hr AMS5-1hr+NMS5	Water Quality Monitoring		
Time	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul
	1st Dolphin Monitoring AMS6/AMS5 - 24hr Dust Water Quality Monitoring	AMS6-1hr AMS5-1hr+NMS5	Water Quality Monitoring		2nd Dolphin Monitoring AMS6/AMS5 - 24hr Dust Water Quality Monitoring		
Time	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul
	AMS6-1hr AMS5-1hr+NMS5 2nd Dolphin Monitoring Water Quality Monitoring		Water Quality Monitoring	AMS6/AMS5 - 24hr Dust	AMS6-1hr AMS5-1hr Water Quality Monitoring		

APPENDIX E

Monitoring Data

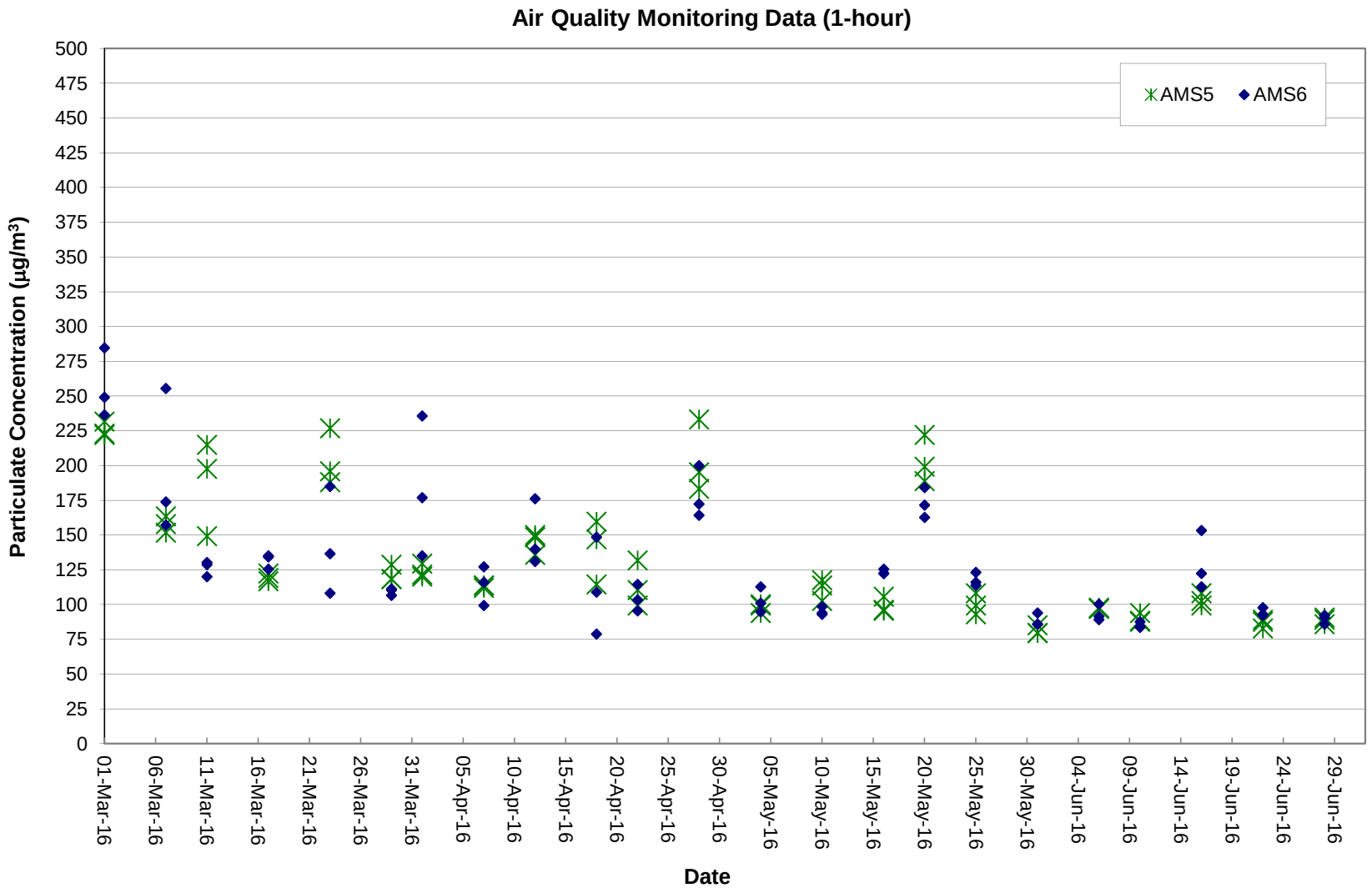
Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2016-06-06	AMS5	13:05	1-hr TSP	97	ug/m^3
HKLR	HY/2011/03	2016-06-06	AMS5	14:05	1-hr TSP	97	ug/m^3
HKLR	HY/2011/03	2016-06-06	AMS5	15:05	1-hr TSP	98	ug/m^3
HKLR	HY/2011/03	2016-06-10	AMS5	13:17	1-hr TSP	88	ug/m^3
HKLR	HY/2011/03	2016-06-10	AMS5	14:17	1-hr TSP	88	ug/m^3
HKLR	HY/2011/03	2016-06-10	AMS5	15:17	1-hr TSP	94	ug/m^3
HKLR	HY/2011/03	2016-06-16	AMS5	13:05	1-hr TSP	108	ug/m^3
HKLR	HY/2011/03	2016-06-16	AMS5	14:05	1-hr TSP	103	ug/m^3
HKLR	HY/2011/03	2016-06-16	AMS5	15:05	1-hr TSP	99	ug/m^3
HKLR	HY/2011/03	2016-06-22	AMS5	13:03	1-hr TSP	89	ug/m^3
HKLR	HY/2011/03	2016-06-22	AMS5	14:03	1-hr TSP	88	ug/m^3
HKLR	HY/2011/03	2016-06-22	AMS5	15:03	1-hr TSP	83	ug/m^3
HKLR	HY/2011/03	2016-06-28	AMS5	13:19	1-hr TSP	86	ug/m^3
HKLR	HY/2011/03	2016-06-28	AMS5	14:19	1-hr TSP	89	ug/m^3
HKLR	HY/2011/03	2016-06-28	AMS5	15:19	1-hr TSP	91	ug/m^3
HKLR	HY/2011/03	2016-06-07	AMS5	11:37	24-hr TSP	32	ug/m^3
HKLR	HY/2011/03	2016-06-08	AMS5	12:05	24-hr TSP	27	ug/m^3
HKLR	HY/2011/03	2016-06-14	AMS5	08:00	24-hr TSP	30	ug/m^3
HKLR	HY/2011/03	2016-06-20	AMS5	08:00	24-hr TSP	25	ug/m^3
HKLR	HY/2011/03	2016-06-24	AMS5	08:00	24-hr TSP	22	ug/m^3
HKLR	HY/2011/03	2016-06-30	AMS5	08:00	24-hr TSP	79	ug/m^3
HKLR	HY/2011/03	2016-06-06	AMS6	09:03	1-hr TSP	91	ug/m^3
HKLR	HY/2011/03	2016-06-06	AMS6	10:03	1-hr TSP	100	ug/m^3
HKLR	HY/2011/03	2016-06-06	AMS6	11:03	1-hr TSP	89	ug/m^3
HKLR	HY/2011/03	2016-06-10	AMS6	09:01	1-hr TSP	84	ug/m^3
HKLR	HY/2011/03	2016-06-10	AMS6	10:01	1-hr TSP	84	ug/m^3
HKLR	HY/2011/03	2016-06-10	AMS6	11:01	1-hr TSP	88	ug/m^3
HKLR	HY/2011/03	2016-06-16	AMS6	08:49	1-hr TSP	153	ug/m^3
HKLR	HY/2011/03	2016-06-16	AMS6	09:49	1-hr TSP	113	ug/m^3
HKLR	HY/2011/03	2016-06-16	AMS6	10:49	1-hr TSP	122	ug/m^3
HKLR	HY/2011/03	2016-06-22	AMS6	08:59	1-hr TSP	92	ug/m^3
HKLR	HY/2011/03	2016-06-22	AMS6	09:59	1-hr TSP	93	ug/m^3
HKLR	HY/2011/03	2016-06-22	AMS6	10:59	1-hr TSP	98	ug/m^3
HKLR	HY/2011/03	2016-06-28	AMS6	08:58	1-hr TSP	92	ug/m^3
HKLR	HY/2011/03	2016-06-28	AMS6	09:58	1-hr TSP	91	ug/m^3
HKLR	HY/2011/03	2016-06-28	AMS6	10:58	1-hr TSP	86	ug/m^3
HKLR	HY/2011/03	2016-06-03	AMS6	08:00	24-hr TSP	63	ug/m^3
HKLR	HY/2011/03	2016-06-08	AMS6	08:00	24-hr TSP	34	ug/m^3
HKLR	HY/2011/03	2016-06-14	AMS6	08:00	24-hr TSP	42	ug/m^3
HKLR	HY/2011/03	2016-06-20	AMS6	08:00	24-hr TSP	39	ug/m^3
HKLR	HY/2011/03	2016-06-24	AMS6	08:00	24-hr TSP	51	ug/m^3
HKLR	HY/2011/03	2016-06-30	AMS6	08:00	24-hr TSP	26	ug/m^3

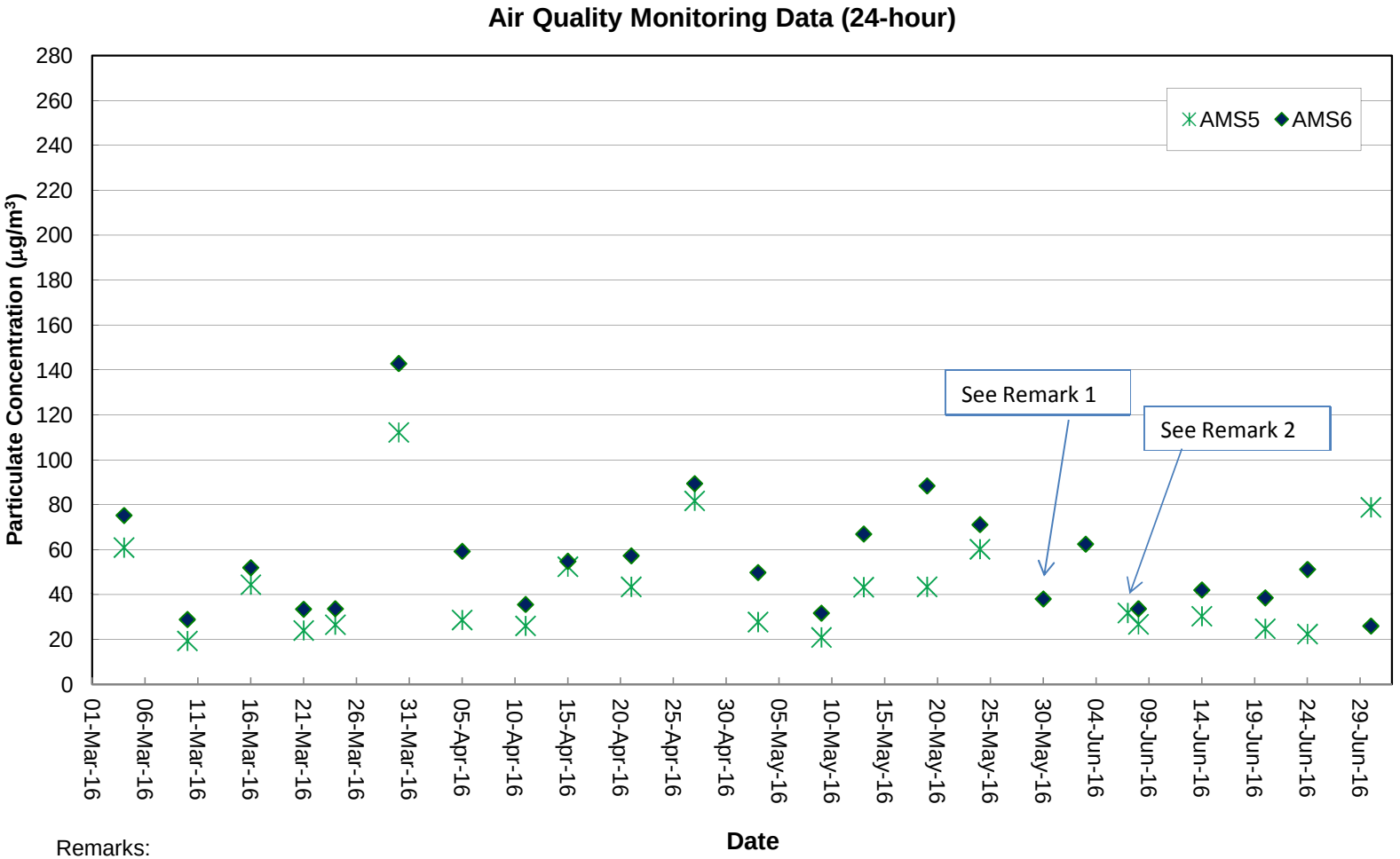
Remark:

1) Due to power interruption and malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 on 3 June 2016 was rescheduled to 7 June 2016.

Graphical Plot of 1-hour TSP at AMS5 and AMS6



Graphical Plot of 24-hour TSP at AMS5 and AMS6



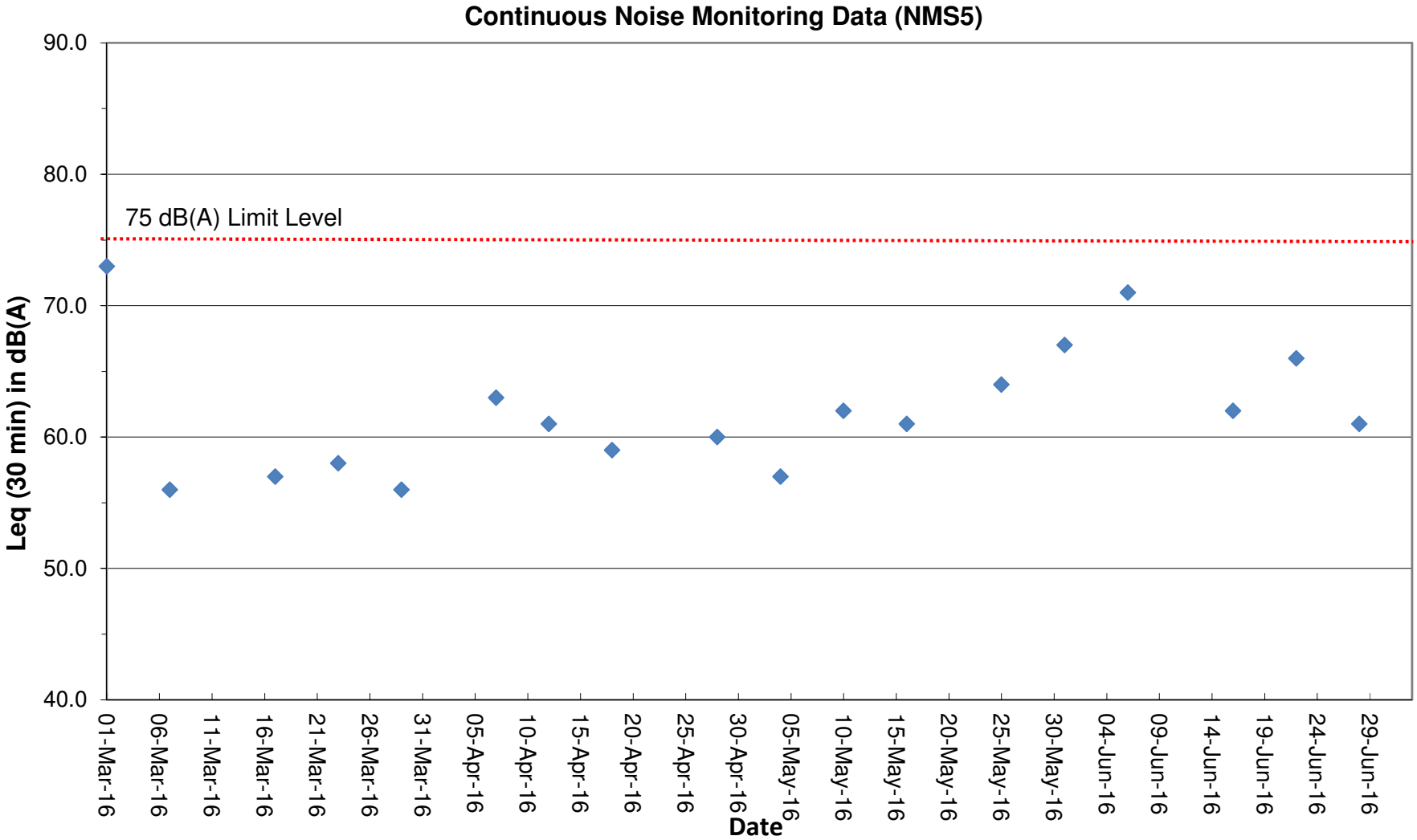
Remarks:

1) Due to power interruption and malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 on 30 May 2016 was cancelled.
2) Due to power interruption and malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 on 3 June 2016 was rescheduled to 7 June 2016.

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	2016-06-06	NMS5	13:14	<5	Leq:	67.9	Leq:	65.8	Leq:	68.5	Leq:	69.0	Leq:	68.8	Leq:	68.1	Leq:	71.1	dB(A)
						L10:	65.0	L10:	69.0	L10:	70.5	L10:	70.5	L10:	70.5	L10:	70.0	L10:	72.6	
						L90:	52.5	L90:	59.0	L90:	62.5	L90:	65.5	L90:	66.5	L90:	64.0	L90:	66.4	
HKLR	HY/2011/03	2016-06-16	NMS5	13:16	<5	Leq:	58.6	Leq:	58.3	Leq:	58.7	Leq:	59.6	Leq:	59.3	Leq:	61.4	Leq:	62.4	dB(A)
						L10:	56.0	L10:	60.5	L10:	63.0	L10:	64.5	L10:	64.0	L10:	65.5	L10:	66.2	
						L90:	49.0	L90:	49.0	L90:	50.0	L90:	49.0	L90:	49.5	L90:	49.5	L90:	52.3	
HKLR	HY/2011/03	2016-06-22	NMS5	13:09	<5	Leq:	65.5	Leq:	61.7	Leq:	62.4	Leq:	62.2	Leq:	60.6	Leq:	61.9	Leq:	65.7	dB(A)
						L10:	65.5	L10:	66.5	L10:	66.5	L10:	66.5	L10:	65.0	L10:	66.0	L10:	69.0	
						L90:	53.0	L90:	53.5	L90:	54.0	L90:	54.0	L90:	51.0	L90:	49.5	L90:	55.8	
HKLR	HY/2011/03	2016-06-28	NMS5	13:00	<5	Leq:	60.1	Leq:	56.9	Leq:	58.7	Leq:	59.0	Leq:	54.4	Leq:	57.7	Leq:	61.1	dB(A)
						L10:	64.0	L10:	63.0	L10:	63.5	L10:	63.5	L10:	56.0	L10:	58.5	L10:	65.3	
						L90:	49.5	L90:	48.5	L90:	49.0	L90:	49.0	L90:	49.5	L90:	56.5	L90:	54.5	

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

Graphical Plot of Noise Levels at NMS5



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

Water Quality Monitoring Data

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	2016-06-01	Mid-Ebb	Sunny	IS5	11:41:39	1.0	Surface	1	1	29.06	8.59	16.26	96	6.74	6.8	8.4
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:41:06	1.0	Surface	1	2	28.97	8.58	16.48	94.8	6.66	6.8	8.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:40:54	4.5	Middle	2	1	27.05	8.41	25.25	92.1	6.33	7	8.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:41:26	4.5	Middle	2	2	27.03	8.4	25.83	95.5	6.57	6.9	7.8
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:40:48	8.0	Bottom	3	1	27.01	8.4	26.2	87.6	6.05	7	8.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:41:20	8.0	Bottom	3	2	27.03	8.41	26.17	90	6.2	6.9	8.8
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)6	11:31:33	1.0	Surface	1	1	28.63	8.56	17.46	113.1	7.95	7.1	9.4
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)6	11:31:25	1.0	Surface	1	2	28.59	8.56	17.62	112.3	7.89	7.3	8.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)6	11:31:29	2.4	Bottom	3	1	28.77	8.56	19.35	113.1	7.85	7.1	9.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)6	11:31:20	2.4	Bottom	3	2	28.74	8.56	19.42	111.8	7.76	7.4	8.8
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS7	11:27:18	1.0	Surface	1	1	28.87	8.6	17.58	115.9	8.11	6.9	8
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS7	11:27:25	1.0	Surface	1	2	28.66	8.57	17.69	116.2	8.09	6.9	8.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS7	11:27:22	2.5	Bottom	3	1	28.86	8.58	18.9	115.3	8.07	6.9	9.9
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS7	11:27:13	2.5	Bottom	3	2	28.84	8.6	17.78	114.9	8.03	7	8.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS8	10:51:52	1.0	Surface	1	1	29.18	8.68	16.15	141.5	9.93	6.6	8.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS8	10:51:25	1.0	Surface	1	2	29.17	8.66	16.14	142	9.96	6.5	8.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS8	10:51:10	2.3	Bottom	3	1	29.2	8.65	16.06	141.2	9.9	6.7	8.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS8	10:51:29	2.3	Bottom	3	2	29.18	8.66	16.12	141.5	9.92	6.6	9.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)9	11:17:11	1.0	Surface	1	1	28.74	8.57	17.77	120.7	8.4	6.3	5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)9	11:17:02	1.0	Surface	1	2	28.85	8.58	17.15	120.6	8.46	6.3	4.9
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)9	11:17:06	2.4	Bottom	3	1	28.89	8.58	18.54	120	8.4	6.3	6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)9	11:16:58	2.4	Bottom	3	2	28.96	8.59	17.82	120.5	8.41	6.3	6.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:14	1.0	Surface	1	1	28.36	8.34	11.15	91.7	6.7	7.9	2.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:46	1.0	Surface	1	2	28.5	8.39	11.18	91	6.64	7.8	4.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:05	5.2	Middle	2	1	27.86	8.14	16.82	91.5	6.54	9	3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:34	5.2	Middle	2	2	27.77	8.15	19.13	87	6.14	8.8	3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:27	9.4	Bottom	3	1	27.77	8.11	20.74	90.4	6.33	8.3	3.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	09:59:59	9.4	Bottom	3	2	28.07	8.17	18.87	95.5	6.73	8.6	4.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR3	11:45:55	0.8	Middle	2	1	29.1	8.65	16.49	128.6	9.01	6.9	4.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR3	11:45:52	0.8	Middle	2	2	29.08	8.65	16.51	128.4	9.01	6.8	5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR4	11:01:28	1.0	Surface	1	1	29.04	8.62	14.99	118.7	8.4	5.7	6.4
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR4	11:01:44	1.0	Surface	1	2	29.01	8.6	15.03	120.5	8.53	5.6	6.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR4	11:01:22	2.4	Bottom	3	1	29.06	8.62	14.99	117.7	8.32	6	6.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR4	11:01:33	2.4	Bottom	3	2	29.02	8.61	15.03	119.6	8.46	6	6.5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR5	10:09:54	1.0	Surface	1	1	28.46	8.37	11.24	95.8	6.99	7.2	2.5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR5	10:10:20	1.0	Surface	1	2	28.59	8.39	11.12	96.8	7.05	7	3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR5	10:10:06	4.1	Bottom	3	1	28.14	8.23	16.04	95.1	6.79	7.2	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR5	10:09:45	4.1	Bottom	3	2	28.16	8.23	15.6	95.4	6.83	7.4	3.5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:41	1.0	Surface	1	1	28.42	8.35	13.83	97	6.98	2.1	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:12	1.0	Surface	1	2	28.33	8.36	14.1	96	6.91	2	3.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:33	3.0	Middle	2	1	28.34	8.34	14.24	96.6	6.94	2.2	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:08	3.0	Middle	2	2	28.24	8.33	14.27	95.5	6.88	2	2.5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:03	5.0	Bottom	3	1	28.1	8.27	15.09	95.5	6.86	2.1	2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:26	5.0	Bottom	3	2	28.32	8.32	14.89	96.3	6.9	2.3	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10B	09:23:13	1.0	Surface	1	1	28.46	8.37	13.45	98.8	7.12	2.1	0.9
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10B	09:23:36	1.0	Surface	1	2	28.48	8.36	13.13	98.7	7.12	2.1	0.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10B	09:23:23	3.9	Bottom	3	1	28.39	8.34	13.97	98.5	7.08	2.3	1.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10B	09:22:59	3.9	Bottom	3	2	28.46	8.37	13.83	98.8	7.1	2.1	1.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:30:10	1.0	Surface	1	1	28.82	8.45	10.7	96.7	7.03	7.7	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:30:53	1.0	Surface	1	2	28.82	8.45	10.7	97.7	7.11	7.4	2.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:30:35	3.9	Middle	2	1	28.07	8.31	13.74	88.1	6.38	8.3	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:29:49	3.9	Middle	2	2	27.76	8.24	16.14	82.6	5.93	8.2	2.8

Water Quality Monitoring Data

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	2016-06-01	Mid-Ebb	Sunny	CS2	11:30:28	6.7	Bottom	3	1	27.71	8.17	19.95	89.5	6.3	9.8	2.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:29:38	6.7	Bottom	3	2	27.71	8.2	20.37	82.4	5.79	9.3	3.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:04:58	1.0	Surface	1	1	28.36	8.44	13.88	92.4	6.66	2	1.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:05:39	1.0	Surface	1	2	28.29	8.45	13.95	91.2	6.58	2.1	1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:05:27	6.4	Middle	2	1	27.67	8.29	22.26	88.2	6.14	2.2	1.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:04:43	6.4	Middle	2	2	27.51	8.26	22.31	89.2	6.22	2.1	1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:05:12	11.8	Bottom	3	1	27.6	8.18	29.26	91.3	6.11	2.4	1.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:04:33	11.8	Bottom	3	2	27.87	8.21	28.28	91.6	6.14	2.2	1.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:21:17	1.0	Surface	1	1	29.45	8.75	16.28	123	8.58	5.4	6.9
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:20:34	1.0	Surface	1	2	29.55	8.78	16.1	132.7	9.25	5.5	7.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:20:17	4.5	Middle	2	1	28.72	8.71	17.43	115	8.02	5.6	9.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:21:04	4.5	Middle	2	2	28.44	8.67	18.39	112.2	7.81	5.5	9.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:20:54	8.0	Bottom	3	1	27.69	8.62	21.87	106	7.43	5.8	8.9
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:20:03	8.0	Bottom	3	2	27.76	8.65	21.56	112.1	7.86	5.6	9.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)6	14:27:31	1.0	Surface	1	1	30.02	8.87	16.1	157.8	10.92	4.7	7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)6	14:27:45	1.0	Surface	1	2	30.13	8.89	16.03	163.6	11.3	4.5	7.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)6	14:27:38	2.2	Bottom	3	1	30.08	8.88	16.08	161.1	11.13	4.6	7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)6	14:27:27	2.2	Bottom	3	2	30.07	8.87	16.07	155	10.72	4.7	7.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS7	14:34:35	1.0	Surface	1	1	30.04	8.92	16.15	167.5	11.58	4.5	7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS7	14:34:45	1.0	Surface	1	2	30.09	8.92	16.11	167.6	11.58	4.5	7.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS7	14:34:39	2.5	Bottom	3	1	30.12	8.92	16.11	167.6	11.57	4.5	7.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS7	14:34:31	2.5	Bottom	3	2	30.16	8.92	16.09	167.4	11.56	4.5	8.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS8	15:01:27	1.0	Surface	1	1	29.08	8.72	15.76	126.7	8.92	10.1	6.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS8	15:02:25	1.0	Surface	1	2	29.18	8.72	15.39	134.1	9.45	10.2	7.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS8	15:01:24	2.4	Bottom	3	1	29.08	8.72	15.71	125.6	8.84	10.3	7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS8	15:01:30	2.4	Bottom	3	2	29.2	8.73	15.5	128.2	9.02	10.4	8.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)9	14:40:42	1.0	Surface	1	1	30.1	8.94	16.14	168.7	11.65	4.5	7.3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)9	14:40:33	1.0	Surface	1	2	30.12	8.94	16.11	168.6	11.64	4.4	7.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)9	14:40:28	2.5	Bottom	3	1	30.15	8.93	16.11	168.3	11.62	4.4	7.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)9	14:40:37	2.5	Bottom	3	2	30.15	8.94	16.13	168.4	11.62	4.5	7.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:12	1.0	Surface	1	1	28.73	8.47	12.31	94.8	6.84	7.8	2.9
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:45	1.0	Surface	1	2	28.65	8.46	12.33	94.8	6.86	7.5	3.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:35	5.3	Middle	2	1	27.75	8.26	19.08	91.6	6.47	8.1	2.9
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:01	5.3	Middle	2	2	27.68	8.26	19.3	89.4	6.32	8.3	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:29	9.6	Bottom	3	1	27.96	8.25	23.44	94.9	6.52	8.2	3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:48:54	9.6	Bottom	3	2	27.44	8.17	24.26	93.7	6.47	8.5	2.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR3	14:12:50	0.7	Middle	2	1	29.69	8.87	15.27	148.2	10.35	5.3	11.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR3	14:12:47	0.7	Middle	2	2	29.7	8.86	15.25	146.7	10.25	5.4	10.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR4	14:55:50	1.0	Surface	1	1	29.16	8.78	15.16	133.8	9.42	9.8	7.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR4	14:55:59	1.0	Surface	1	2	29.16	8.77	15.17	133.3	9.37	9.9	8.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR4	14:55:53	2.4	Bottom	3	1	29.2	8.78	15.86	132.9	9.36	10	8.3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR4	14:55:46	2.4	Bottom	3	2	29.28	8.78	15.85	133.5	9.38	9.9	8.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR5	15:42:18	1.0	Surface	1	1	28.42	8.39	12.39	100.7	7.31	6.8	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR5	15:42:02	1.0	Surface	1	2	28.83	8.43	12.28	103.4	7.45	6.8	3.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR5	15:42:12	4.1	Bottom	3	1	28.38	8.33	16.69	102.8	7.29	7	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR5	15:41:52	4.1	Bottom	3	2	28.71	8.38	16.43	103.2	7.28	6.8	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:10:12	1.0	Surface	1	1	28.99	8.6	12.91	101.1	7.67	1.7	2.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:09:37	1.0	Surface	1	2	28.87	8.6	13.1	104	7.46	1.6	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:09:28	3.1	Middle	2	1	27.98	8.51	14.33	98.4	6.97	1.7	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:10:04	3.1	Middle	2	2	28.79	8.53	14.28	106.5	7.39	1.7	3.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:09:22	5.1	Bottom	3	1	27.6	8.38	22.8	96.4	6.83	1.7	3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:09:55	5.1	Bottom	3	2	27.53	8.36	23.21	107.1	7.21	1.7	2.9

Water Quality Monitoring Data

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	2016-06-01	Mid-Flood	Sunny	SR10B	16:16:42	1.0	Surface	1	1	29.31	8.6	12.85	119.8	8.54	1.6	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10B	16:16:13	1.0	Surface	1	2	29.06	8.59	12.89	118.5	8.45	1.8	2.2
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10B	16:16:05	3.9	Bottom	3	1	29.22	8.58	14.59	118.1	8.38	1.8	2.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10B	16:16:23	3.9	Bottom	3	2	29.02	8.54	16.72	118.4	8.3	1.6	3.2
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:42	1.0	Surface	1	1	29.32	8.4	11.12	99.3	7.14	7.9	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:28:20	1.0	Surface	1	2	29.33	8.43	11.27	107.2	7.7	7.3	2.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:27	3.8	Middle	2	1	27.71	8.14	20.73	87.3	6.12	10.2	3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:59	3.8	Middle	2	2	27.78	8.2	18.77	93.5	6.62	9.3	3.2
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:53	6.5	Bottom	3	1	27.74	8.19	20.43	99.4	6.98	9.1	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:14	6.5	Bottom	3	2	27.81	8.16	18.48	92.5	6.56	9.6	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:39:26	1.0	Surface	1	1	29.37	8.65	12.51	104	7.42	1.9	3.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:38:26	1.0	Surface	1	2	29.19	8.67	12.56	103.2	6.96	1.8	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:38:14	6.3	Middle	2	1	27.21	8.42	24.43	93.6	6.7	2	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:39:03	6.3	Middle	2	2	27.26	8.42	24.25	90.8	6.15	2	2.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:38:46	11.6	Bottom	3	1	26.68	8.33	30.01	84.5	5.85	2.2	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:37:19	11.6	Bottom	3	2	26.87	8.41	30.25	81.9	5.67	2.2	2.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:42	1.0	Surface	1	1	29.34	8.5	16.62	122.4	8.54	8.8	9.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:18:13	1.0	Surface	1	2	29.43	8.53	16.68	127.3	8.86	9.2	9.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:56	4.2	Middle	2	1	28.89	8.48	17.33	121.1	8.48	9.2	9.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:28	4.2	Middle	2	2	28.93	8.47	17.29	117.3	8.21	9	9.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:49	7.3	Bottom	3	1	29.19	8.48	18.67	124.2	8.59	11	10.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:20	7.3	Bottom	3	2	29.02	8.47	18.11	121.4	8.44	10.5	10
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)6	12:06:18	1.0	Surface	1	1	28.9	8.36	16.01	104.8	7.39	2.2	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)6	12:06:03	1.0	Surface	1	2	28.92	8.36	15.84	104.7	7.39	2	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)6	12:06:09	2.4	Bottom	3	1	28.9	8.35	16.22	104.7	7.37	2.5	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)6	12:05:54	2.4	Bottom	3	2	28.89	8.35	16.58	104.5	7.35	2.5	2.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS7	11:58:53	1.0	Surface	1	1	28.96	8.37	15.54	105.4	7.45	2.4	3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS7	11:58:40	1.0	Surface	1	2	28.99	8.37	15.54	105.5	7.45	2.5	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS7	11:58:44	2.3	Bottom	3	1	28.97	8.36	16.52	105.3	7.4	2.8	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS7	11:58:30	2.3	Bottom	3	2	28.92	8.36	16.37	105	7.39	3	4.2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS8	11:30:44	1.0	Surface	1	1	28.68	8.38	16.68	99.4	7.01	3.9	2.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS8	11:31:02	1.0	Surface	1	2	28.75	8.38	16.74	99.9	7.04	3.8	2.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS8	11:30:35	2.8	Bottom	3	1	28.64	8.37	17.26	99.4	6.99	4.7	4.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS8	11:30:51	2.8	Bottom	3	2	28.61	8.37	17.27	99.3	6.99	4.5	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)9	11:51:15	1.0	Surface	1	1	28.94	8.37	15.6	104.8	7.4	3.1	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)9	11:51:30	1.0	Surface	1	2	28.94	8.37	15.6	105	7.41	2.8	2.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)9	11:51:22	2.6	Bottom	3	1	28.88	8.35	16.43	104.6	7.36	2.8	3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)9	11:51:06	2.6	Bottom	3	2	28.92	8.36	16.43	104.3	7.34	2.6	2.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:47:44	1.0	Surface	1	1	28.86	8.5	14.25	96.8	6.65	4.8	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:47:04	1.0	Surface	1	2	28.78	8.49	14.64	96.4	6.87	4.9	3.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:47:31	5.4	Middle	2	1	27.75	8.3	23.17	96.1	6.85	5.8	4
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:46:51	5.4	Middle	2	2	27.91	8.31	23.18	96.4	6.6	5.6	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:46:42	9.7	Bottom	3	1	27.79	8.26	24.81	91.7	6.32	5.7	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:47:16	9.7	Bottom	3	2	27.52	8.27	24.86	89.7	6.2	5.7	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR3	12:27:03	0.8	Middle	2	1	29.49	8.46	16.82	137.1	9.53	6.5	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR3	12:27:08	0.8	Middle	2	2	29.49	8.46	16.83	137.6	9.56	6.4	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR4	11:42:21	1.0	Surface	1	1	28.65	8.36	16.93	99.6	7.02	3.6	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR4	11:42:05	1.0	Surface	1	2	28.68	8.36	16.9	99.4	7	3.5	2.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR4	11:41:56	2.8	Bottom	3	1	28.61	8.35	17.21	99.3	6.99	3.7	3.2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR4	11:42:12	2.8	Bottom	3	2	28.61	8.35	17.25	99.4	7	3.6	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR5	11:56:34	1.0	Surface	1	1	28.75	8.46	14.52	100.4	7.16	3.5	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR5	11:56:56	1.0	Surface	1	2	28.76	8.46	14.67	99.7	7.1	3.5	3.1

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	2016-06-03	Mid-Ebb	Sunny	SR5	11:56:45	4.2	Bottom	3	1	28.29	8.33	21.81	99.3	6.85	3.6	3.2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR5	11:56:24	4.2	Bottom	3	2	28.49	8.35	21.47	100.4	6.92	3.4	2.4
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:56	1.0	Surface	1	1	28.68	8.41	17.08	100.9	7.1	2.6	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:27	1.0	Surface	1	2	28.68	8.4	17.04	101.3	7.13	2.3	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:14	3.3	Middle	2	1	28.53	8.38	17.67	100.2	7.05	3	2.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:47	3.3	Middle	2	2	28.54	8.39	17.55	99.9	7.03	3.1	2.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:06	5.6	Bottom	3	1	28.5	8.33	21.29	100.4	6.92	3.3	2.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:39	5.6	Bottom	3	2	28.36	8.34	20.08	99.9	6.95	3.5	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10B	09:50:34	1.0	Surface	1	1	28.67	8.34	17.22	102.4	7.2	2.3	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10B	09:50:14	1.0	Surface	1	2	28.66	8.31	17.25	102.5	7.21	2.2	2.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10B	09:50:03	4.0	Bottom	3	1	28.64	8.27	18.21	102.2	7.15	2.4	2.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10B	09:50:19	4.0	Bottom	3	2	28.67	8.31	18.05	102.3	7.16	2.3	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:07:22	1.0	Surface	1	1	28.83	8.51	14.66	95.9	6.82	3.6	2.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:06:22	1.0	Surface	1	2	28.8	8.5	14.62	96.1	6.84	3.7	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:07:05	4.0	Middle	2	1	27.76	8.33	22.6	88.3	6.1	5.5	2.2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:06:08	4.0	Middle	2	2	27.73	8.31	22.9	94.9	6.54	5.4	2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:05:57	6.9	Bottom	3	1	27.68	8.27	24.03	89.2	6.17	5.5	2.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:06:48	6.9	Bottom	3	2	27.66	8.3	23.56	85.7	5.94	5.4	2.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:47:09	1.0	Surface	1	1	28.72	8.45	16.71	101	7.11	2.4	2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:34	1.0	Surface	1	2	28.7	8.45	16.72	100.5	7.08	2.6	2.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:23	6.9	Middle	2	1	28.41	8.4	19.11	99.1	6.93	3	2.4
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:56	6.9	Middle	2	2	28.4	8.4	18.93	99.4	6.95	2.8	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:49	12.7	Bottom	3	1	28.41	8.38	20.2	100	6.95	2.5	2.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:15	12.7	Bottom	3	2	28.42	8.37	20.79	99.6	6.89	2.6	2.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:38:31	1.0	Surface	1	1	29.63	8.49	17.28	124.1	8.58	8.4	9.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:38:02	1.0	Surface	1	2	29.49	8.48	17.58	122.9	8.51	8.6	10.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:38:19	4.3	Middle	2	1	28.92	8.45	18.86	118.9	8.25	9.7	10.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:37:49	4.3	Middle	2	2	28.96	8.45	18.88	118.7	8.23	9.5	10.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:38:14	7.5	Bottom	3	1	29.02	8.45	18.84	122.1	8.46	9.4	10.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:37:43	7.5	Bottom	3	2	29.18	8.46	19.01	121	8.35	9.2	10.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)6	16:48:53	1.0	Surface	1	1	29.75	8.51	17.43	130.5	9.01	10.8	8.7
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)6	16:49:30	1.0	Surface	1	2	29.86	8.51	17.1	127.8	8.81	11	7.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)6	16:49:18	2.1	Bottom	3	1	28.99	8.46	18.6	123	8.54	12.1	8.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)6	16:48:36	2.1	Bottom	3	2	29.11	8.49	18.41	127.1	8.82	11.2	8.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS7	16:56:46	1.0	Surface	1	1	29.65	8.52	17.18	136.8	9.46	13.3	8.4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS7	16:56:35	1.0	Surface	1	2	29.83	8.52	17.1	133.9	9.24	12.7	8.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS7	16:56:27	2.4	Bottom	3	1	29.59	8.5	18.41	132.5	9.11	15.3	8.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS7	16:56:40	2.4	Bottom	3	2	29.73	8.51	18.28	137.1	9.42	14.2	8.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS8	17:26:48	1.0	Surface	1	1	29.47	8.51	16.98	136.4	9.48	10.2	8.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS8	17:27:00	1.0	Surface	1	2	29.49	8.52	16.96	137.2	9.53	10.3	7.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS8	17:26:41	2.9	Bottom	3	1	29.41	8.51	17.03	136.4	9.48	10.5	8.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS8	17:26:53	2.9	Bottom	3	2	29.51	8.52	16.95	137.2	9.52	10.3	8.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)9	17:04:48	1.0	Surface	1	1	30.05	8.59	17.39	142	9.75	16.9	21.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)9	17:05:02	1.0	Surface	1	2	30.06	8.59	17.36	140.8	9.67	17.2	21.7
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)9	17:04:41	2.6	Bottom	3	1	29.98	8.58	17.6	143	9.82	17	22.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)9	17:04:56	2.6	Bottom	3	2	30	8.58	17.61	141.6	9.72	17.5	21.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:58:20	1.0	Surface	1	1	29.42	8.55	13.22	107.5	7.67	4.7	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:57:19	1.0	Surface	1	2	29.14	8.54	13.08	105.9	7.26	4.7	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:57:09	5.4	Middle	2	1	28.77	8.43	17.74	103.8	7.26	4.8	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:58:02	5.4	Middle	2	2	28.71	8.44	18.02	107.1	7.61	4.8	2.4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:57:44	9.8	Bottom	3	1	27.55	8.29	23.75	97.4	6.81	4.7	2.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:56:55	9.8	Bottom	3	2	28.71	8.37	21.77	91	6.29	4.8	2.5

Water Quality Monitoring Data

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	2016-06-03	Mid-Flood	Sunny	SR3	16:24:03	0.9	Middle	2	1	29.38	8.51	17.04	125.2	8.71	8.5	7.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR3	16:23:53	0.9	Middle	2	2	29.54	8.48	16.72	122.1	8.49	8.9	7.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR4	17:14:10	1.0	Surface	1	1	29.53	8.53	16.94	135	9.37	9.7	8.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR4	17:14:31	1.0	Surface	1	2	29.54	8.53	16.96	138.3	9.6	9.5	8.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR4	17:14:00	2.7	Bottom	3	1	29.49	8.54	16.93	132.6	9.21	9.9	7.7
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR4	17:14:15	2.7	Bottom	3	2	29.53	8.53	16.94	135.9	9.43	9.7	8.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR5	17:43:44	1.0	Surface	1	1	29.17	8.48	13.71	108.2	7.69	1.8	2.4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR5	17:44:02	1.0	Surface	1	2	29.25	8.49	13.72	108.8	7.73	1.8	2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR5	17:43:51	4.3	Bottom	3	1	29.02	8.44	16.19	108.2	7.61	1.9	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR5	17:43:35	4.3	Bottom	3	2	28.95	8.43	16.18	108.1	7.68	1.8	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:07	1.0	Surface	1	1	29.3	8.52	15.33	107.8	7.58	3.2	3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:52	1.0	Surface	1	2	29.5	8.53	15.28	114.4	8.02	3	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:35	3.4	Middle	2	1	29.02	8.44	16.31	97.6	6.86	2.3	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:01	3.4	Middle	2	2	29	8.45	16.52	102.9	7.22	2.4	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:29	5.8	Bottom	3	1	27.32	8.31	27.12	102.7	6.99	3	3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:51:54	5.8	Bottom	3	2	27.47	8.34	26.61	109	7.42	3.3	3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10B	19:04:16	1.0	Surface	1	1	29.34	8.52	15.4	120	8.43	2	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10B	19:04:39	1.0	Surface	1	2	29.42	8.52	15.42	119.1	8.35	2.1	3.4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10B	19:04:27	4.2	Bottom	3	1	29	8.46	18.99	119.1	8.25	2	3.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10B	19:04:07	4.2	Bottom	3	2	29.34	8.49	18.66	120.2	8.29	2	3.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:35	1.0	Surface	1	1	29.39	8.49	11.98	97.7	6.98	3.8	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:27:29	1.0	Surface	1	2	29.48	8.49	11.44	105.2	7.53	3.8	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:54	4.1	Middle	2	1	28.71	8.41	14.76	94.5	6.68	4.8	3.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:26	4.1	Middle	2	2	28.7	8.43	14.8	92.7	6.6	4.7	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:09	7.2	Bottom	3	1	28.53	8.4	16.8	92.5	6.53	4.7	3.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:44	7.2	Bottom	3	2	28.55	8.37	16.86	92.6	6.59	4.9	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:16:08	1.0	Surface	1	1	29.48	8.54	15.28	106.6	7.47	2.9	4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:15:15	1.0	Surface	1	2	29.48	8.55	15.29	105.9	7.42	2.8	5.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:14:55	6.8	Middle	2	1	27.33	8.33	26.94	89	6.07	4	3.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:15:48	6.8	Middle	2	2	27.32	8.32	27	91.5	6.23	4.1	4.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:15:36	12.6	Bottom	3	1	27.38	8.31	27.17	103.1	7.01	3	4.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:14:41	12.6	Bottom	3	2	27.36	8.33	27.29	100.3	6.82	3.2	3.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:45:02	1.0	Surface	1	1	27.73	8.09	20.79	77.1	5.4	8.6	5.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:45:28	1.0	Surface	1	2	27.71	8.11	20.84	76.8	5.37	8.3	5.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:44:50	4.5	Middle	2	1	27.65	8.07	21.19	77	5.39	8.9	5.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:45:19	4.5	Middle	2	2	27.64	8.1	21.2	76.4	5.35	8.7	6.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:44:43	7.9	Bottom	3	1	27.69	8.06	21.15	76.6	5.36	9	5.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:45:11	7.9	Bottom	3	2	27.66	8.09	21.3	76.1	5.33	9.3	5.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)6	12:51:50	1.0	Surface	1	1	28.01	8.2	19.09	85.5	6.02	3	2.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)6	12:51:36	1.0	Surface	1	2	28.04	8.19	19.13	86.1	6.06	2.8	2.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)6	12:51:27	2.2	Bottom	3	1	28	8.17	19.49	86.2	6.05	2.9	2.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)6	12:51:43	2.2	Bottom	3	2	28	8.18	19.94	85.9	6.02	3	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS7	12:58:50	1.0	Surface	1	1	28.05	8.24	19.12	85.5	6.01	2.6	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS7	12:59:05	1.0	Surface	1	2	28.04	8.25	19.07	85.7	6.03	2.5	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS7	12:58:56	2.3	Bottom	3	1	28.01	8.23	19.6	85.6	6	2.6	2.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS7	12:58:41	2.3	Bottom	3	2	28.01	8.23	19.48	85.3	5.99	2.7	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS8	13:26:14	1.0	Surface	1	1	28.11	8.29	19.01	84.9	5.97	3.4	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS8	13:26:28	1.0	Surface	1	2	28.09	8.29	19.21	85.3	5.99	3.4	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS8	13:26:21	3.0	Bottom	3	1	28.08	8.28	19.34	85.1	5.97	3.5	2.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS8	13:26:04	3.0	Bottom	3	2	28.05	8.27	20.15	84.6	5.92	3.5	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)9	13:07:28	1.0	Surface	1	1	28.02	8.27	19.08	84.1	5.92	3.1	2.2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)9	13:07:11	1.0	Surface	1	2	28.01	8.26	19.08	84.3	5.94	3.2	2.4

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	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)9	13:07:20	2.8	Bottom	3	1	28	8.25	20.3	84.5	5.91	3.3	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)9	13:07:05	2.8	Bottom	3	2	28	8.24	20.28	84.8	5.93	3.2	2.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:34:40	1.0	Surface	1	1	27.82	8.24	17.15	82.8	5.91	2.3	2.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:34:04	1.0	Surface	1	2	27.76	8.19	19.56	80.2	5.68	2.2	2.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:34:28	5.4	Middle	2	1	27.84	8.25	16.53	81.3	5.82	2.5	3.2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:33:39	5.4	Middle	2	2	27.81	8.26	16.14	79.8	5.73	2.5	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:34:16	9.8	Bottom	3	1	27.77	8.21	18.85	78.7	5.61	2.7	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:33:30	9.8	Bottom	3	2	27.74	8.2	19.29	78.2	5.51	2.8	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR3	12:33:16	0.7	Middle	2	1	27.78	8.05	20.48	82.7	5.8	5.7	5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR3	12:33:22	0.7	Middle	2	2	27.78	8.06	20.47	82.3	5.77	5.8	5.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR4	13:18:48	1.0	Surface	1	1	28.09	8.25	19.18	86.2	6.05	2.9	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR4	13:19:00	1.0	Surface	1	2	28.07	8.26	19.23	86.1	6.05	3.1	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR4	13:18:38	2.7	Bottom	3	1	28.03	8.23	19.55	86.4	6.06	3.3	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR4	13:18:54	2.7	Bottom	3	2	28.09	8.25	19.3	86	6.04	2.9	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR5	13:20:46	1.0	Surface	1	1	27.76	8.22	17.34	83.8	5.89	2.5	2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR5	13:20:07	1.0	Surface	1	2	27.8	8.23	17.2	85.1	6.1	2.6	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR5	13:20:25	4.3	Bottom	3	1	27.67	8.16	19.96	82.1	5.86	2.7	0.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR5	13:19:57	4.3	Bottom	3	2	27.76	8.22	17.41	80.9	5.77	2.7	0.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:32:39	1.0	Surface	1	1	27.82	8.34	20.28	82.9	5.77	1.4	<0.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:32:10	1.0	Surface	1	2	27.8	8.33	20.55	82.9	5.79	1.5	<0.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:32:27	3.2	Middle	2	1	27.68	8.32	20.77	82.2	5.69	1.4	0.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:31:58	3.2	Middle	2	2	27.72	8.32	20.78	82.7	5.74	1.4	<0.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:32:20	5.4	Bottom	3	1	27.68	8.28	23.64	81.2	5.67	1.4	0.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:31:51	5.4	Bottom	3	2	27.77	8.3	22.95	82	5.72	1.4	0.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10B	14:42:24	1.0	Surface	1	1	27.75	8.32	20.55	82	5.75	1.7	0.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10B	14:41:58	1.0	Surface	1	2	27.79	8.32	20.52	83.5	5.85	1.8	0.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10B	14:41:51	4.1	Bottom	3	1	27.79	8.32	20.74	83.6	5.85	1.8	0.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10B	14:42:15	4.1	Bottom	3	2	27.65	8.27	22.93	82.4	5.71	1.7	0.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:07:20	1.0	Surface	1	1	27.77	7.69	17.41	84.6	5.91	3.2	1.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:06:53	1.0	Surface	1	2	27.77	7.46	17.21	82.3	5.88	3.1	1.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:07:13	4.2	Middle	2	1	27.72	7.63	17.49	82.4	5.82	3.3	1.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:06:44	4.2	Middle	2	2	27.73	7.33	17.97	81.9	5.84	3.2	1.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:06:28	7.4	Bottom	3	1	27.51	7.65	21.8	81.2	5.79	3.4	2.2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:07:04	7.4	Bottom	3	2	27.7	7.53	19.54	80.9	5.76	3.5	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:04:41	1.0	Surface	1	1	27.77	8.35	20.24	80.4	5.41	3.6	1.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:03:48	1.0	Surface	1	2	27.81	8.35	20.12	79.2	5.56	3.6	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:03:34	6.0	Middle	2	1	27.53	8.3	24.15	79	5.34	3.7	2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:04:29	6.0	Middle	2	2	27.35	8.27	23.83	78.8	5.53	3.6	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:04:20	11.0	Bottom	3	1	27.36	8.2	29.16	77.4	5.37	3.7	2.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:03:19	11.0	Bottom	3	2	27.48	8.25	27.91	76.5	5.27	3.6	2.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS5	07:58:01	1.0	Surface	1	1	27.96	8.29	20.88	79.4	5.52	7.7	5.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS5	07:57:27	1.0	Surface	1	2	27.96	8.29	20.93	79.7	5.53	7.8	5.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS5	07:57:51	4.4	Middle	2	1	27.95	8.28	21.4	79.1	5.49	7.7	4.9
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS5	07:57:20	4.4	Middle	2	2	27.95	8.28	21.34	79.1	5.52	7.6	5.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS5	07:57:10	7.7	Bottom	3	1	27.95	8.28	22.01	78.9	5.49	7.8	5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS5	07:57:44	7.7	Bottom	3	2	27.95	8.27	21.57	78.5	5.46	7.8	5.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)6	07:46:24	1.0	Surface	1	1	27.97	8.32	18.99	85.1	5.99	2.8	3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)6	07:45:24	1.0	Surface	1	2	27.98	8.32	18.98	86.9	6.12	2.9	2.8
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)6	07:46:13	2.4	Bottom	3	1	27.94	8.3	19.79	84.2	5.91	2.8	2.7
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)6	07:45:12	2.4	Bottom	3	2	27.95	8.31	19.42	86.9	6.11	3	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS7	07:39:12	1.0	Surface	1	1	27.97	8.31	19.12	87.3	6.15	2.8	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS7	07:38:50	1.0	Surface	1	2	27.97	8.31	19.16	87.2	6.14	3	2.1

Water Quality Monitoring Data

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	2016-06-06	Mid-Flood	Cloudy	IS7	07:38:58	2.3	Bottom	3	1	27.96	8.31	19.36	87.3	6.14	2.8	2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS7	07:38:32	2.3	Bottom	3	2	27.95	8.3	19.43	87.2	6.13	2.8	3.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS8	07:17:26	1.0	Surface	1	1	28.06	8.33	19.01	81.8	5.75	3	1.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS8	07:17:42	1.0	Surface	1	2	28.06	8.33	19.01	81.6	5.74	2.9	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS8	07:17:33	3.0	Bottom	3	1	28.07	8.31	20.42	81.7	5.7	3.1	1.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS8	07:17:19	3.0	Bottom	3	2	28.07	8.31	20.4	82	5.73	3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)9	07:31:54	1.0	Surface	1	1	27.94	8.29	19.37	87.2	6.13	3.2	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)9	07:32:12	1.0	Surface	1	2	27.94	8.29	19.4	86.8	6.1	3.2	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)9	07:32:05	2.8	Bottom	3	1	27.93	8.28	19.81	87	6.1	3.3	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)9	07:31:46	2.8	Bottom	3	2	27.94	8.27	19.63	87.5	6.15	3.2	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:10:15	1.0	Surface	1	1	27.79	8.3	19.68	76.8	5.37	5.3	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:09:25	1.0	Surface	1	2	27.83	8.29	19.91	76.1	5.36	5.3	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:10:04	5.4	Middle	2	1	27.58	8.22	24.13	75.8	5.33	5.6	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:09:18	5.4	Middle	2	2	27.68	8.27	20.98	76	5.32	5.6	2.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:09:08	9.8	Bottom	3	1	27.57	8.21	24.71	75.8	5.25	5.7	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:09:54	9.8	Bottom	3	2	27.62	8.21	24.51	77	5.29	5.9	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR3	08:05:42	0.7	Middle	2	1	27.96	8.29	20.83	81.1	5.65	5.6	5.9
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR3	08:05:48	0.7	Middle	2	2	27.96	8.29	20.82	81.1	5.66	5.8	5.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR4	07:22:03	1.0	Surface	1	1	28.05	8.31	19.12	81.3	5.72	2.4	1.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR4	07:21:46	1.0	Surface	1	2	28.05	8.31	18.99	81.4	5.73	2.6	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR4	07:21:54	2.8	Bottom	3	1	28.07	8.29	20.24	81.4	5.68	2.6	1.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR4	07:21:38	2.8	Bottom	3	2	28.06	8.3	20.15	81.4	5.69	2.5	1.7
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR5	07:18:38	1.0	Surface	1	1	27.81	8.32	18.03	76.9	5.46	5.4	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR5	07:18:09	1.0	Surface	1	2	27.7	8.3	19.2	75.9	5.36	5.3	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR5	07:18:00	4.3	Bottom	3	1	27.63	8.23	24.45	76	5.23	5.5	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR5	07:18:17	4.3	Bottom	3	2	27.63	8.22	24.16	76.8	5.29	5.5	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:49	1.0	Surface	1	1	27.34	8.38	25.04	76.2	5.19	1.4	1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:19	1.0	Surface	1	2	27.35	8.37	25.76	75.9	5.13	1.3	0.9
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:08	3.3	Middle	2	1	27.07	8.34	29.57	74.8	5.01	1.3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:40	3.3	Middle	2	2	26.93	8.32	29.63	74	5.1	1.4	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:12:57	5.5	Bottom	3	1	27.16	8.33	30.55	74	4.99	1.3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:26	5.5	Bottom	3	2	27.14	8.32	30.7	74.4	4.98	1.4	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10B	06:03:52	1.0	Surface	1	1	27.4	8.4	25.26	76	5.22	1.4	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10B	06:03:32	1.0	Surface	1	2	27.42	8.41	25.47	76.3	5.23	1.3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10B	06:03:41	3.6	Bottom	3	1	27.07	8.35	30.27	75.8	5.09	1.4	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10B	06:03:20	3.6	Bottom	3	2	27.17	8.37	30.32	75.9	5.09	1.4	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:40	1.0	Surface	1	1	27.86	8.37	16.47	80.4	5.76	2.2	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:13	1.0	Surface	1	2	27.8	8.35	15.87	79.7	5.73	2.3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:31	4.3	Middle	2	1	27.73	8.29	20.74	78.4	5.5	2.2	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:01	4.3	Middle	2	2	27.69	8.26	21.26	80.5	5.54	2.4	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:37:47	7.5	Bottom	3	1	27.48	8.15	24.8	78.9	5.52	2.6	2.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:22	7.5	Bottom	3	2	27.46	8.17	24.89	79.2	5.44	2.5	2.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:57	1.0	Surface	1	1	27.29	8.38	25.58	76.6	5.25	2.3	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:22	1.0	Surface	1	2	27.22	8.37	25.6	76.9	5.28	2.3	1.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:42	6.3	Middle	2	1	26.48	8.31	31.69	76.2	5.1	2.3	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:03	6.3	Middle	2	2	26.46	8.3	31.81	75.9	5.09	2.4	2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:32	11.5	Bottom	3	1	26.66	8.3	31.96	74.4	5	2.4	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:41:54	11.5	Bottom	3	2	26.5	8.29	32.21	74.2	4.99	2.4	2.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS5	14:59:23	1.0	Surface	1	1	28.68	8.28	13.64	80.4	5.87	2.3	4.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS5	14:58:46	1.0	Surface	1	2	28.72	8.28	13.56	80.3	5.86	2.2	4.9
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS5	14:59:07	5.3	Middle	2	1	27.73	8.11	19.37	76.5	5.5	3.3	7.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS5	14:58:31	5.3	Middle	2	2	27.71	8.11	20	74.7	5.36	3.4	7.6

Water Quality Monitoring Data

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	2016-06-08	Mid-Ebb	Sunny	IS5	14:58:22	9.6	Bottom	3	1	27.69	8.08	21.23	77.7	5.54	2.8	7.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS5	14:58:58	9.6	Bottom	3	2	27.97	8.1	21.06	80.3	5.7	2.7	7.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)6	14:51:35	1.0	Surface	1	1	28.72	8.25	13.52	85	6.19	1.4	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)6	14:51:54	1.0	Surface	1	2	28.65	8.23	13.65	85	6.2	1.6	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)6	14:51:45	4.4	Bottom	3	1	28.59	8.2	15.6	85.2	6.15	1.4	7.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)6	14:51:24	4.4	Bottom	3	2	28.45	8.19	15.69	84.5	6.12	1.2	5.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS7	13:38:24	1.0	Surface	1	1	28.62	8.17	13.89	97	6.87	2	6.9
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS7	13:37:40	1.0	Surface	1	2	28.56	8.12	13.91	90	6.49	1.8	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS7	13:38:03	3.8	Bottom	3	1	28.44	8.14	14.65	86.6	6.31	1.9	6.7
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS7	13:37:30	3.8	Bottom	3	2	28.34	8.06	16.48	88.6	6.45	2	5.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS8	13:37:15	1.0	Surface	1	1	28.16	8.03	20.4	84.4	6.15	2.5	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS8	13:37:51	1.0	Surface	1	2	28.3	8.06	18.66	86.7	6.19	2.6	3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS8	07:22:02	1.0	Bottom	3	1	27.64	8.26	16.5	71.9	5.27	3.6	4.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS8	07:22:37	1.0	Bottom	3	2	27.81	8.28	16.28	73.8	5.39	3.7	3.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)9	07:21:50	1.0	Surface	1	1	27.14	8.12	24.29	71.4	5.06	5.7	4.4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)9	07:22:21	1.0	Surface	1	2	27.15	8.12	24.26	71.2	5.05	6.2	4.9
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)9	07:22:14	9.5	Bottom	3	1	27.32	8.13	24.17	73	5.16	6	4.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)9	07:21:39	9.5	Bottom	3	2	27.39	8.12	24.16	74.8	5.28	5.9	5.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	07:30:49	1.0	Surface	1	1	27.75	8.23	16.72	75.2	5.49	1.8	2.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	07:31:11	1.0	Surface	1	2	27.76	8.23	16.2	75.5	5.52	1.7	2.7
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	07:31:03	1.0	Middle	2	1	27.63	8.15	20.51	75.8	5.43	1.8	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	07:30:40	1.0	Middle	2	2	27.53	8.13	21.59	75.5	5.38	1.9	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	08:41:37	1.0	Bottom	3	1	27.8	8.23	16.98	73.4	5.35	3.6	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	08:41:09	1.0	Bottom	3	2	27.8	8.22	17.05	73.2	5.33	3.8	2.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR3	08:41:24	3.9	Middle	2	1	27.42	8.12	21.07	72.2	5.18	6.5	4.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR3	08:40:55	3.9	Middle	2	2	27.38	8.11	22.11	71.4	5.1	7.1	3.7
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR4	08:40:49	1.0	Surface	1	1	27.39	8.1	22.3	72.3	5.16	7.1	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR4	08:41:20	1.0	Surface	1	2	27.49	8.12	22.18	72.9	5.2	6.8	4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR4	14:07:12	1.0	Bottom	3	1	28.11	8.45	20.02	76.3	5.3	4.7	6.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR4	14:06:42	1.0	Bottom	3	2	28.08	8.48	20	76.6	5.33	4.8	6.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR5	14:07:02	1.0	Surface	1	1	27.94	8.44	20.87	75.9	5.29	5.1	2.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR5	14:06:34	1.0	Surface	1	2	27.92	8.47	21.01	75.8	5.3	5.3	3.4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR5	14:06:28	7.3	Bottom	3	1	28	8.49	21.02	75.6	5.28	5.5	4.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR5	14:06:52	7.3	Bottom	3	2	27.96	8.45	21.04	75	5.23	5.1	4.4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:13:30	1.0	Surface	1	1	28.5	8.39	18.8	86.3	6.04	2.4	3.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:13:46	1.0	Surface	1	2	28.51	8.38	18.98	86.5	6.04	2.5	2.9
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:13:37	1.1	Middle	2	1	28.42	8.37	19.73	86.3	6.01	2.5	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:13:22	1.1	Middle	2	2	28.39	8.38	19.73	86.3	6.01	2.4	3.4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:20:49	1.1	Bottom	3	1	28.47	8.35	18.93	86.2	6.02	1.8	4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:21:17	1.1	Bottom	3	2	28.53	8.35	19.04	86.3	6.02	1.8	2.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10B	14:20:42	1.0	Surface	1	1	28.43	8.35	19.94	86.2	6	1.8	3.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10B	14:21:03	1.0	Surface	1	2	28.31	8.33	20.06	85.7	5.97	1.9	4.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10B	14:43:48	1.1	Bottom	3	1	28.76	8.33	17.53	88.4	6.2	2.2	4.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10B	14:44:04	1.1	Bottom	3	2	28.67	8.33	17.61	87.9	6.17	2.2	4.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:43:56	1.0	Surface	1	1	28.38	8.29	19.51	88	6.14	2.3	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:43:39	1.0	Surface	1	2	28.46	8.31	19.84	87.9	6.11	2.3	4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:28:14	1.9	Middle	2	1	28.21	8.36	18.77	87.8	6.17	2.6	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:28:00	1.9	Middle	2	2	28.26	8.37	18.67	87.6	6.16	2.5	4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:27:53	2.7	Bottom	3	1	28.26	8.37	18.71	86.6	6.08	2.5	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:28:06	2.7	Bottom	3	2	28.21	8.36	18.97	87.8	6.16	2.6	4.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	13:55:56	1.0	Surface	1	1	28.14	8.65	19.28	81.6	5.73	3.1	4.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	13:56:03	1.0	Surface	1	2	28.2	8.64	19.21	81.6	5.72	3.3	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	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	14:37:45	1.9	Middle	2	1	28.41	8.33	18.02	87.2	6.13	2.6	3.1
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	14:37:32	1.9	Middle	2	2	28.43	8.34	18.1	87.4	6.14	2.7	5.1
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	14:37:38	2.8	Bottom	3	1	28.28	8.31	20.23	87.4	6.08	2.7	4.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	14:37:23	2.8	Bottom	3	2	28.27	8.32	19.47	87	6.08	2.8	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:36	1.0	Surface	1	1	28.78	8.33	17.96	80.6	5.64	1.1	6.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:59:01	1.0	Surface	1	2	28.66	8.32	17.97	80.8	5.66	1.1	6.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:50	3.3	Middle	2	1	28.46	8.29	18.84	80.5	5.53	1.2	5.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:24	3.3	Middle	2	2	28.46	8.31	18.64	78.2	5.48	1.1	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:16	5.6	Bottom	3	1	27.57	8.26	25.75	78.2	5.48	1.1	8.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:41	5.6	Bottom	3	2	28.47	8.26	25.23	79	5.43	1.3	8.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)6	16:10:18	1.0	Surface	1	1	28.63	8.31	18.29	81.4	5.69	1.5	4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)6	16:10:36	1.0	Surface	1	2	28.54	8.3	18.46	82	5.74	1.4	4.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)6	16:10:26	4.1	Bottom	3	1	28.57	8.29	19.47	81.6	5.68	1.5	4.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)6	16:10:06	4.1	Bottom	3	2	28.57	8.29	19.93	80.4	5.58	1.5	4.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS7	15:23:43	1.0	Surface	1	1	28.79	8.38	17.51	74.4	5.21	2.2	5.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS7	15:22:58	1.0	Surface	1	2	28.77	8.39	17.52	73.4	5.15	2.1	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS7	15:22:45	6.3	Bottom	3	1	26.78	8.26	26.18	74.5	5.03	2.2	5
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS7	15:23:29	6.3	Bottom	3	2	26.89	8.25	26.14	74.6	5.03	2.2	6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS8	15:23:18	1.0	Surface	1	1	26.76	8.18	30.41	70.3	4.85	2.2	4.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS8	15:22:36	1.0	Surface	1	2	26.68	8.22	30.4	73.1	4.94	2.2	6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS8	09:19:55	1.0	Bottom	3	1	27.95	8.23	17.9	79.9	5.6	4.3	4.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS8	09:19:29	1.0	Bottom	3	2	27.96	8.23	17.89	80.1	5.61	4.1	4.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)9	09:19:48	1.0	Surface	1	1	27.91	8.2	18.71	79.4	5.51	4.2	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)9	09:19:21	1.0	Surface	1	2	27.92	8.2	18.78	79.6	5.53	4.3	5.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)9	09:19:38	7.8	Bottom	3	1	27.92	8.17	21.78	77.9	5.5	4.1	6.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)9	09:19:10	7.8	Bottom	3	2	27.92	8.17	21.68	77.9	5.5	4.3	5.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:09:02	1.0	Surface	1	1	27.99	8.2	17.21	80.1	5.68	1.9	5.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:09:17	1.0	Surface	1	2	27.99	8.2	17.36	79.5	5.64	1.9	6.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:08:53	1.0	Middle	2	1	27.97	8.19	18.01	79.8	5.68	1.9	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:09:08	1.0	Middle	2	2	27.97	8.19	18	79.3	5.63	1.9	6.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:00:23	1.0	Bottom	3	1	27.99	8.19	16.87	76.4	5.45	2.5	7.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:00:37	1.0	Bottom	3	2	28	8.19	16.9	76.3	5.44	2.6	5.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR3	09:00:16	2.4	Middle	2	1	27.99	8.16	18.83	76.5	5.39	2.6	7.5
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR3	09:00:30	2.4	Middle	2	2	27.99	8.16	18.65	76.3	5.39	2.5	7.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR4	08:39:25	1.0	Surface	1	1	27.99	8.18	17.23	73.6	5.2	6.2	4.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR4	08:39:40	1.0	Surface	1	2	28.01	8.18	17.23	73	5.17	6.2	4.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR4	08:39:18	3.3	Bottom	3	1	27.98	8.16	18.77	73.1	5.19	6.4	5.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR4	08:39:31	3.3	Bottom	3	2	27.99	8.16	18.74	72.8	5.15	6.2	5.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR5	08:53:12	1.0	Surface	1	1	27.99	8.18	17.28	77.7	5.53	3.2	7.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR5	08:53:27	1.0	Surface	1	2	27.99	8.19	17.15	77	5.48	3.3	8.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR5	08:53:05	2.7	Bottom	3	1	27.98	8.17	18.84	78	5.5	3.3	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR5	08:53:19	2.7	Bottom	3	2	27.98	8.16	18.81	77.3	5.45	3.3	4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	09:30:39	1.0	Surface	1	1	27.98	8.21	17.91	81.4	5.77	3.3	4.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	09:30:33	1.0	Surface	1	2	27.98	8.21	17.91	81.3	5.76	3.2	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	08:48:11	2.0	Middle	2	1	27.99	8.17	17.32	71.8	5.1	6.6	4.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	08:47:55	2.0	Middle	2	2	27.99	8.17	17.41	71.9	5.11	6.4	4.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	08:47:49	3.0	Bottom	3	1	27.98	8.15	18.58	72	5.08	6.7	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	08:48:05	3.0	Bottom	3	2	27.98	8.15	18.5	71.9	5.08	6.5	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10B	07:33:50	1.0	Surface	1	1	27.76	8.23	18.96	76.5	5.55	1.1	3.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10B	07:33:15	1.0	Surface	1	2	27.67	8.22	19.3	76	5.52	1.1	2.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10B	07:33:06	3.3	Bottom	3	1	27.22	8.15	23.36	75.9	5.39	1.1	3.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10B	07:33:42	3.3	Bottom	3	2	27.45	8.19	21.25	75.5	5.44	1.1	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	2016-06-08	Mid-Flood	Sunny	CS2	07:32:57	1.0	Surface	1	1	27.25	8.09	27.54	75.3	5.32	1.2	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:33:31	1.0	Surface	1	2	26.98	8.08	27.06	75.4	5.32	1.2	3.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:22:05	2.7	Middle	2	1	27.37	8.18	20.3	76.1	5.52	1.1	4.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:22:19	2.7	Middle	2	2	27.45	8.19	20.08	76.2	5.53	1.1	5.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:22:11	4.4	Bottom	3	1	27.35	8.12	27.38	75.9	5.32	1.1	5
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:21:56	4.4	Bottom	3	2	27.22	8.09	28.37	76.2	5.32	1.1	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:08:22	1.0	Surface	1	1	27.43	8.27	20.29	73	5.29	3.6	3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:07:51	1.0	Surface	1	2	27.42	8.27	19.53	73.1	5.32	3.6	3.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:08:11	6.4	Middle	2	1	26.6	8.16	27.02	72.7	5.15	3.7	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:07:43	6.4	Middle	2	2	26.69	8.16	27.11	72.8	5.18	3.6	3.5
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:07:33	11.8	Bottom	3	1	26.77	8.12	29.96	71.6	5.08	3.8	3.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:08:03	11.8	Bottom	3	2	26.87	8.14	29.84	71.6	5.09	3.7	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:42:02	1.0	Surface	1	1	28.71	8.58	16.78	81.5	5.6	5.5	4.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:42:26	1.0	Surface	1	2	28.67	8.55	16.89	85.2	5.88	5.2	4.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:42:19	4.1	Middle	2	1	27.46	8.47	22.63	78.3	5.46	5.4	5.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:41:52	4.1	Middle	2	2	27.27	8.48	22.88	79.1	5.57	5.4	5.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:41:45	7.1	Bottom	3	1	27.44	8.53	25.11	76.3	5.33	5.5	5.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:42:10	7.1	Bottom	3	2	27.16	8.49	25.36	77.5	5.45	5.3	5.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)6	15:50:42	1.0	Surface	1	1	28.68	8.58	17.24	109.6	7.71	2.8	6.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)6	15:50:54	1.0	Surface	1	2	28.71	8.58	17.24	110.4	7.76	2.6	5.7
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)6	15:50:34	2.2	Bottom	3	1	28.6	8.57	17.51	109	7.66	2.8	5.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)6	15:50:47	2.2	Bottom	3	2	28.71	8.57	17.35	109.9	7.72	2.8	5.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS7	15:58:01	1.0	Surface	1	1	28.75	8.56	17.35	109	7.65	2.9	5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS7	15:57:46	1.0	Surface	1	2	28.69	8.56	17.36	108.3	7.61	2.8	4.7
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS7	15:57:51	2.3	Bottom	3	1	28.65	8.55	17.85	108.4	7.6	2.9	4.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS7	15:57:39	2.3	Bottom	3	2	28.69	8.55	18.18	108	7.55	3	5.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS8	16:27:44	1.0	Surface	1	1	28.23	8.49	17.81	100.4	6.9	3.2	2
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS8	16:27:57	1.0	Surface	1	2	28.31	8.49	17.75	96.4	6.66	3.1	3.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS8	16:27:38	3.2	Bottom	3	1	28.27	8.45	22.51	97	6.85	3.1	4.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS8	16:27:51	3.2	Bottom	3	2	28.13	8.43	22	93.9	6.62	3.1	5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)9	16:06:03	1.0	Surface	1	1	28.73	8.55	17.47	108	7.58	2.5	4.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)9	16:06:20	1.0	Surface	1	2	28.71	8.55	17.43	107.8	7.56	2.6	4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)9	16:05:55	2.7	Bottom	3	1	28.7	8.54	17.6	105.9	7.43	2.6	4.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)9	16:06:10	2.7	Bottom	3	2	28.56	8.53	18.53	108.1	7.56	2.6	4.7
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:34:22	1.0	Surface	1	1	29.24	8.4	14.13	76.8	6.02	2.9	2.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:35:03	1.0	Surface	1	2	29.27	8.41	14.34	74.1	5.83	2.8	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:34:00	5.3	Middle	2	1	27.11	8.21	23.91	73.5	5.75	4.2	3.3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:34:46	5.3	Middle	2	2	27.12	8.2	24.06	73.8	5.77	4.3	2.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:33:48	9.5	Bottom	3	1	27.11	8.19	24.18	74.6	5.83	3.7	3.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:34:39	9.5	Bottom	3	2	27.15	8.19	24.34	75	5.85	3.8	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR3	15:31:23	0.8	Middle	2	1	28.76	8.72	16.09	110.1	7.78	2.2	5.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR3	15:31:28	0.8	Middle	2	2	28.76	8.71	16.17	110.9	7.83	2.2	4.2
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR4	16:19:28	1.0	Surface	1	1	28.55	8.52	17.64	103.1	7.25	3.4	3.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR4	16:19:41	1.0	Surface	1	2	28.54	8.52	17.66	104.3	7.33	3.4	4.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR4	16:19:20	2.7	Bottom	3	1	28.46	8.51	19.05	102.5	7.16	3.7	4.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR4	16:19:33	2.7	Bottom	3	2	28.55	8.51	18.98	104.4	7.28	3.7	4.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR5	16:26:27	1.0	Surface	1	1	28.43	8.34	17.88	77.8	6.08	2.4	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR5	16:26:47	1.0	Surface	1	2	28.41	8.34	15.94	78.7	6.16	2.3	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR5	16:26:18	4.0	Bottom	3	1	28.36	8.28	21.84	75.5	5.88	2.5	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR5	16:26:36	4.0	Bottom	3	2	27.89	8.26	21.3	78.1	6.08	2.5	3.7
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:41:48	1.0	Surface	1	1	28.62	8.37	18.05	91.4	6.4	1.2	3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:42:26	1.0	Surface	1	2	28.63	8.38	17.78	89.7	6.29	1.2	2.7

Water Quality Monitoring Data

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	2016-06-10	Mid-Ebb	Rainy	SR10A	17:41:41	3.2	Middle	2	1	28.54	8.36	18.84	90.1	6.29	1.2	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:42:17	3.2	Middle	2	2	28.3	8.35	18.92	88.1	6.14	1.2	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:41:28	5.4	Bottom	3	1	28.38	8.33	20.47	89.8	6.23	1.3	3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:42:09	5.4	Bottom	3	2	28.04	8.32	20.72	87.2	6.11	1.3	3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10B	17:51:56	1.0	Surface	1	1	28.64	8.38	17.94	93.7	6.56	1.4	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10B	17:51:37	1.0	Surface	1	2	28.64	8.37	17.85	93.9	6.58	1.4	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10B	17:51:31	4.1	Bottom	3	1	28.66	8.36	18.86	93.7	6.53	1.5	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10B	17:51:47	4.1	Bottom	3	2	28.58	8.36	19.18	93.8	6.53	1.4	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:14:12	1.0	Surface	1	1	28.89	8.32	14.43	70.4	5.34	2.2	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:41	1.0	Surface	1	2	28.69	8.28	14.61	70.5	5.35	2.2	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:59	3.8	Middle	2	1	27.97	8.2	18.82	69.9	5.28	2.1	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:31	3.8	Middle	2	2	27.9	8.16	20.04	69.1	5.21	2.3	3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:20	6.5	Bottom	3	1	27.75	8.14	20.59	70.3	5.27	2.4	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:49	6.5	Bottom	3	2	28.11	8.17	20.53	70	5.24	2.1	2.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:05:16	1.0	Surface	1	1	28.6	8.39	17.22	81.3	5.72	1.5	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:06:05	1.0	Surface	1	2	28.74	8.39	17.31	85.5	6	1.6	2.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:05:47	5.9	Middle	2	1	27.57	8.32	21.2	75.8	5.22	1.7	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:05:04	5.9	Middle	2	2	27.44	8.31	21.38	77.9	5.35	1.8	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:04:55	10.8	Bottom	3	1	27.17	8.24	26.1	75	5.26	1.8	3.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:05:37	10.8	Bottom	3	2	26.97	8.24	26.1	73.9	5.18	1.8	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:29	1.0	Surface	1	1	28.21	8.29	18.46	78.2	5.46	2.2	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:13:03	1.0	Surface	1	2	28.44	8.3	18.39	78.7	5.52	2.2	2.1
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:22	4.6	Middle	2	1	27.69	8.23	21.16	75.8	5.34	3.1	3.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:52	4.6	Middle	2	2	27.76	8.24	21.14	76.2	5.23	3.1	3.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:14	8.1	Bottom	3	1	27.53	8.18	25.11	73.1	5.11	3.3	3.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:43	8.1	Bottom	3	2	27.51	8.18	25.03	72.2	5.05	3.1	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)6	11:03:26	1.0	Surface	1	1	28.31	8.29	18.42	91.1	6.4	1.5	3.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)6	11:03:56	1.0	Surface	1	2	28.35	8.3	18.06	92	6.48	1.5	3.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)6	11:03:18	2.6	Bottom	3	1	28.27	8.27	18.74	89.9	6.31	1.4	2.7
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)6	11:03:46	2.6	Bottom	3	2	28.24	8.28	18.97	91.6	6.42	1.4	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS7	10:53:40	1.0	Surface	1	1	28.15	8.25	18.68	85.4	6.01	3.1	3.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS7	10:53:57	1.0	Surface	1	2	28.13	8.25	18.75	85.6	6.02	3	3.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS7	10:53:49	2.4	Bottom	3	1	28.09	8.24	19.36	85.2	5.98	3.1	4.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS7	10:53:33	2.4	Bottom	3	2	28.16	8.24	18.81	85.5	6.01	3	3.9
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS8	10:30:17	1.0	Surface	1	1	28.02	8.25	17.56	75.9	5.39	1.4	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS8	10:30:31	1.0	Surface	1	2	28.03	8.24	17.67	75.5	5.35	1.5	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS8	10:30:25	3.2	Bottom	3	1	28.01	8.21	20.94	75.8	5.28	1.4	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS8	10:30:12	3.2	Bottom	3	2	28.04	8.22	20.84	76.3	5.32	1.4	3.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)9	10:44:18	1.0	Surface	1	1	28.14	8.25	18.76	85.1	5.99	2.9	4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)9	10:44:36	1.0	Surface	1	2	28.11	8.25	18.79	85.7	6.03	2.9	4.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)9	10:44:07	2.8	Bottom	3	1	28.09	8.25	19.1	84.8	5.96	3	5.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)9	10:44:27	2.8	Bottom	3	2	28.1	8.24	19.79	85.4	5.98	2.9	5.1
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:56:21	1.0	Surface	1	1	28.15	8.29	14.96	75.5	5.71	2.9	3.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:55:40	1.0	Surface	1	2	28.03	8.28	14.98	74	5.61	3.1	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:55:27	5.3	Middle	2	1	26.97	8.09	25	72.4	5.46	4.2	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:56:05	5.3	Middle	2	2	26.97	8.1	24.95	72.5	5.48	4.1	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:55:54	9.5	Bottom	3	1	27.35	8.1	24.8	73.1	5.51	3.8	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:55:18	9.5	Bottom	3	2	27.24	8.08	24.9	73.4	5.53	3.9	3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR3	11:21:38	0.8	Middle	2	1	28.65	8.31	18.33	94.9	6.64	2.3	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR3	11:21:31	0.8	Middle	2	2	28.63	8.31	18.34	94.9	6.64	2.4	3.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR4	10:36:56	1.0	Surface	1	1	28.13	8.22	18	75.6	5.35	2.2	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR4	10:36:44	1.0	Surface	1	2	28.17	8.22	17.53	76.2	5.39	2.2	2.5

Water Quality Monitoring Data

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	2016-06-10	Mid-Flood	Sunny	SR4	10:36:37	2.8	Bottom	3	1	28.11	8.19	20.76	76.4	5.32	2.2	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR4	10:36:49	2.8	Bottom	3	2	28.09	8.19	20.64	76	5.3	2.1	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR5	10:04:06	1.0	Surface	1	1	28.04	8.26	15.51	74.9	5.67	2.2	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR5	10:04:36	1.0	Surface	1	2	28.1	8.25	15.6	74.9	5.66	2.2	2.1
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR5	10:04:18	4.3	Bottom	3	1	27.6	8.12	21.39	74.6	5.64	2.1	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR5	10:03:52	4.3	Bottom	3	2	27.3	8.1	22.72	74.4	5.63	2.3	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:03:23	1.0	Surface	1	1	27.76	8.2	18.43	74.3	5.22	1.7	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:02:58	1.0	Surface	1	2	27.9	8.2	18.47	74.9	5.24	1.7	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:03:16	3.4	Middle	2	1	27.44	8.15	21.57	73.6	5.12	1.7	2.7
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:02:48	3.4	Middle	2	2	27.17	8.12	22.1	74.1	5.12	1.7	3.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:03:06	5.8	Bottom	3	1	27.7	8.1	27.67	73.1	5.01	1.8	3.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:02:41	5.8	Bottom	3	2	26.82	8.08	28.81	73	5.1	1.7	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10B	08:54:11	1.0	Surface	1	1	27.87	8.15	18.93	75.5	5.33	1.7	2.7
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10B	08:53:57	1.0	Surface	1	2	27.72	8.14	19.01	74.9	5.3	1.7	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10B	08:54:03	4.1	Bottom	3	1	27.81	8.12	22.61	75.2	5.2	1.7	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10B	08:53:51	4.1	Bottom	3	2	27.75	8.1	22.95	74.9	5.18	1.7	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:14:32	1.0	Surface	1	1	28.39	8.24	14.77	71.6	5.46	2.2	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:14:03	1.0	Surface	1	2	28.13	8.23	15.34	71	5.43	2	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:13:56	3.9	Middle	2	1	27.92	8.19	17.32	70.2	5.35	1.8	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:14:19	3.9	Middle	2	2	27.92	8.18	17.74	70.7	5.4	1.8	2.7
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:13:49	6.8	Bottom	3	1	27.82	8.15	19.42	70.3	5.32	1.9	3.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:14:12	6.8	Bottom	3	2	28.02	8.16	18.7	71.1	5.37	2	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:35:46	1.0	Surface	1	1	28.05	8.27	18.22	73.4	5.19	2.2	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:36:25	1.0	Surface	1	2	28.04	8.27	18.13	73.1	5.17	2.2	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:35:25	6.4	Middle	2	1	26.44	8.11	28.84	73.1	5.08	2.2	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:36:05	6.4	Middle	2	2	25.99	8.1	28.97	72.9	5.07	2.2	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:35:15	11.7	Bottom	3	1	25.95	8.07	32.17	71.6	4.85	2.3	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:35:58	11.7	Bottom	3	2	25.9	8.07	32.14	70.9	4.81	2.3	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:29:01	1.0	Surface	1	1	27.7	8.25	15.79	80.1	5.56	2.8	4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:30:20	1.0	Surface	1	2	27.82	8.21	16.12	85.6	6.14	2.9	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:28:44	4.5	Middle	2	1	27.05	8.09	24.22	77.4	5.57	2.9	3.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:29:45	4.5	Middle	2	2	27.08	8.1	24.18	77.7	5.35	2.9	2.6
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:29:16	8.0	Bottom	3	1	27.08	8.03	26.79	75.4	5.28	2.9	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:28:33	8.0	Bottom	3	2	26.89	8.04	26.87	76.6	5.36	2.9	3.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)6	09:19:07	1.0	Surface	1	1	27.69	8.12	15.94	81	5.79	2.6	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)6	09:19:16	1.0	Surface	1	2	27.66	8.12	16.07	80.4	5.75	2.6	2.3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)6	09:19:11	2.2	Bottom	3	1	27.72	8.12	17.08	79.9	5.75	2.6	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)6	09:19:02	2.2	Bottom	3	2	27.73	8.12	17.37	80.5	5.78	2.6	2.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS7	09:10:08	1.0	Surface	1	1	27.73	8.11	14.52	79.2	5.75	3.7	3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS7	09:09:36	1.0	Surface	1	2	27.65	8.13	14.68	78	5.62	3.6	2.5
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS7	09:09:46	2.3	Bottom	3	1	27.62	8.09	16.27	77.5	5.58	3.7	2.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS7	09:09:30	2.3	Bottom	3	2	27.66	8.1	15.89	77.2	5.6	3.6	3.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS8	08:48:55	1.0	Surface	1	1	27.66	8.15	14.6	86	6.21	2.2	2.9
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS8	08:48:43	1.0	Surface	1	2	27.71	8.16	14.44	87	6.29	2.3	2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS8	08:48:25	2.3	Bottom	3	1	27.63	8.15	15.28	86.2	6.26	2.3	2.5
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS8	08:48:47	2.3	Bottom	3	2	27.71	8.15	15.39	85.6	6.21	2.3	3.5
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)9	08:59:40	1.0	Surface	1	1	27.64	8.14	15.03	82	5.94	1.9	3.9
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)9	08:59:32	1.0	Surface	1	2	27.6	8.13	15.45	83.9	6.03	1.9	2.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)9	08:59:25	2.4	Bottom	3	1	27.6	8.11	16.73	82.2	5.95	1.9	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)9	08:59:36	2.4	Bottom	3	2	27.62	8.13	16.18	81.9	5.91	1.9	2.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:53	1.0	Surface	1	1	27.8	8.07	18.58	82.4	6.08	3.7	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:22	1.0	Surface	1	2	27.78	8.07	18.81	82.4	6.06	3.6	3.3

Water Quality Monitoring Data

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	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:07	5.2	Middle	2	1	27.75	8.02	20.29	81.6	6.04	3.7	3.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:46	5.2	Middle	2	2	27.8	8.05	19.61	81.7	6.06	3.9	2.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:50:43	9.4	Bottom	3	1	27.79	8.08	18.62	80.7	5.95	3.9	2.5
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:30	9.4	Bottom	3	2	27.8	8.09	18.68	80.3	5.94	3.9	2.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR3	09:36:14	0.8	Middle	2	1	27.84	8.16	16.2	82.3	5.9	2.8	2.6
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR3	09:36:11	0.8	Middle	2	2	27.84	8.17	16.19	82.3	5.9	2.8	2.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR4	08:55:01	1.0	Surface	1	1	27.7	8.14	14.15	84.9	6.17	2.4	3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR4	08:54:54	1.0	Surface	1	2	27.7	8.15	14.16	84.8	6.17	2.4	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR4	08:54:57	2.4	Bottom	3	1	27.73	8.14	15.33	84.8	6.13	2.5	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR4	08:54:50	2.4	Bottom	3	2	27.73	8.15	15.1	84.8	6.13	2.4	2.6
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR5	08:02:21	1.0	Surface	1	1	27.83	8.08	18.4	83.1	6.16	3.7	5.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR5	08:02:02	1.0	Surface	1	2	27.8	8.08	18.43	83.1	6.13	3.8	5.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR5	08:02:13	3.9	Bottom	3	1	27.81	8.04	19.67	82.8	6.05	3.8	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR5	08:01:50	3.9	Bottom	3	2	27.75	7.99	21.39	81.2	6.02	4	6.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:11	1.0	Surface	1	1	27.46	8.18	13.03	74.4	5.42	2.6	3.9
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:46	1.0	Surface	1	2	27.54	8.19	13.06	73.6	5.4	2.7	4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:41	3.1	Middle	2	1	27.37	8.17	13.25	72.7	5.32	2.8	5.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:05	3.1	Middle	2	2	27.22	8.07	14.49	73.8	5.39	2.6	4.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:32	5.1	Bottom	3	1	27.02	8	20.95	72.4	5.15	3	7.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:01	5.1	Bottom	3	2	27.41	8.06	20.83	73.6	5.24	2.8	6.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10B	07:24:42	1.0	Surface	1	1	27.57	8.22	13.15	76.4	5.6	2.7	7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10B	07:24:21	1.0	Surface	1	2	27.53	8.26	13.13	75.2	5.52	2.6	7.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10B	07:24:13	4.1	Bottom	3	1	27.42	8.19	15.69	75.1	5.44	2.7	6.3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10B	07:24:31	4.1	Bottom	3	2	27.53	8.2	15.28	75.9	5.5	2.8	7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:16:38	1.0	Surface	1	1	27.92	8.08	17.92	82.1	6.09	4.1	6.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:16:04	1.0	Surface	1	2	27.94	8.08	17.9	82.5	6.09	4.2	6.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:16:28	4.0	Middle	2	1	27.82	8.08	17.95	81.7	6.07	4.2	6.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:15:55	4.0	Middle	2	2	27.83	8.07	17.93	81	6.03	4.3	5.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:15:42	7.0	Bottom	3	1	27.78	8.01	19.63	81.9	5.98	4.3	5.3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:16:16	7.0	Bottom	3	2	27.78	7.97	21.46	80.4	5.98	4.3	5.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:06:16	1.0	Surface	1	1	27.6	8.2	12.86	86	6.29	2.6	5.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:07:10	1.0	Surface	1	2	27.57	8.24	12.71	83.1	6.03	2.7	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:06:50	6.8	Middle	2	1	27.03	8.07	20.46	82.4	5.66	2.9	5.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:05:46	6.8	Middle	2	2	26.55	8.05	21.17	79.8	5.44	2.8	6.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:06:31	12.6	Bottom	3	1	26.96	7.94	29.42	78	5.54	2.9	6
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:05:37	12.6	Bottom	3	2	26.92	7.97	29.38	75.8	5.4	2.8	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	12:01:00	1.0	Surface	1	1	27.86	8.29	15.87	91.8	6.58	2.7	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	12:00:06	1.0	Surface	1	2	27.51	8.29	15.79	87.5	6.07	2.7	4.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	12:00:38	4.5	Middle	2	1	27	8.17	22.27	78.3	5.45	2.8	6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	11:59:59	4.5	Middle	2	2	27.18	8.19	22.29	80	5.76	2.9	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	12:00:28	8.0	Bottom	3	1	26.91	8.12	26.25	75.1	5.3	3	4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	11:59:44	8.0	Bottom	3	2	27.1	8.13	26.11	79.5	5.6	2.9	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)6	12:07:47	1.0	Surface	1	1	27.83	8.19	16.44	82.2	5.89	2.2	5.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)6	12:07:41	1.0	Surface	1	2	27.83	8.2	16.41	82.3	5.9	2.2	4.7
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)6	12:07:37	2.4	Bottom	3	1	27.94	8.2	16.31	82.3	5.89	2.3	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)6	12:07:44	2.4	Bottom	3	2	27.92	8.2	16.33	82.2	5.89	2.3	5.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS7	12:15:02	1.0	Surface	1	1	27.96	8.17	16.26	82.7	5.92	2.4	4.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS7	12:15:10	1.0	Surface	1	2	27.94	8.17	16.29	82.9	5.93	2.2	4.5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS7	12:14:58	2.5	Bottom	3	1	27.98	8.17	16.23	82.6	5.91	2.5	6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS7	12:15:05	2.5	Bottom	3	2	28.03	8.17	16.21	82.8	5.92	2.4	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS8	12:38:56	1.0	Surface	1	1	28.07	8.21	14.39	88.8	6.41	3.1	8.7
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS8	12:39:04	1.0	Surface	1	2	28.12	8.21	14.31	88.9	6.41	3.1	8.9

Water Quality Monitoring Data

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	2016-06-13	Mid-Flood	Cloudy	IS8	12:38:52	2.4	Bottom	3	1	28.07	8.21	14.44	88.8	6.4	3.2	9.8
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS8	12:39:00	2.4	Bottom	3	2	28.15	8.21	14.29	88.8	6.41	3.3	9.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)9	12:26:21	1.0	Surface	1	1	27.85	8.25	15.3	88.7	6.39	2	4.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)9	12:26:27	1.0	Surface	1	2	27.8	8.24	15.39	87.6	6.32	2.1	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)9	12:26:16	2.3	Bottom	3	1	27.94	8.26	15.1	88.1	6.35	2.1	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)9	12:26:24	2.3	Bottom	3	2	27.83	8.24	15.3	87.2	6.29	2.2	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:51:43	1.0	Surface	1	1	27.96	8.16	18.17	81	5.99	4	3.5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:52:12	1.0	Surface	1	2	28.15	8.16	18.11	83.3	6.15	3.8	4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:52:05	5.3	Middle	2	1	27.95	8.15	18.21	76.9	5.7	4	5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:51:37	5.3	Middle	2	2	27.67	8.11	18.4	75.6	5.43	4.2	4.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:51:29	9.5	Bottom	3	1	27.2	7.89	21.69	72.6	5.39	4.3	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:51:56	9.5	Bottom	3	2	27.64	8.03	21.05	73.4	5.44	4.3	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR3	11:54:06	0.9	Middle	2	1	27.82	8.42	14.98	86.5	6.25	2.8	4.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR3	11:54:09	0.9	Middle	2	2	27.83	8.41	14.96	85.9	6.2	2.6	5.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR4	12:32:00	1.0	Surface	1	1	28.07	8.23	14.41	89.1	6.43	3.1	6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR4	12:32:07	1.0	Surface	1	2	28.07	8.23	14.41	89.1	6.43	3	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR4	12:32:03	2.3	Bottom	3	1	28.1	8.23	14.36	89	6.42	3.1	5.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR4	12:31:56	2.3	Bottom	3	2	28.1	8.24	14.36	89.1	6.43	3.3	5.8
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR5	13:42:19	1.0	Surface	1	1	27.6	7.91	18.31	85.6	6.33	3.7	4.7
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR5	13:41:54	1.0	Surface	1	2	27.75	8.01	18.15	81.2	5.93	3.7	4.5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR5	13:41:40	4.1	Bottom	3	1	28.02	8.12	21.57	80.9	5.92	3.9	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR5	13:42:04	4.1	Bottom	3	2	28.01	8.12	22.5	81	5.76	3.8	5.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:49:14	1.0	Surface	1	1	27.61	8.27	12.45	75.1	5.52	2.2	3.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:48:49	1.0	Surface	1	2	27.43	8.27	12.48	81.9	5.72	2.2	2.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:49:10	3.1	Middle	2	1	27.51	8.25	14.46	73.7	5.37	2.3	3.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:48:44	3.1	Middle	2	2	27.03	8.17	16.6	70.8	5.22	2.3	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:49:00	5.1	Bottom	3	1	27.35	8.14	19.23	73.3	5.22	2.4	6.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:48:37	5.1	Bottom	3	2	26.94	8.07	20.29	69.4	5.04	2.3	6.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10B	13:57:24	1.0	Surface	1	1	28.22	8.23	12.38	81.2	5.91	2	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10B	13:56:47	1.0	Surface	1	2	27.59	8.2	12.51	77.8	5.72	2.1	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10B	13:57:01	4.1	Bottom	3	1	27.39	8.11	17.66	76.9	5.51	2	4.5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10B	13:56:41	4.1	Bottom	3	2	27.74	8.14	17.87	77.7	5.53	2.2	3.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:39	1.0	Surface	1	1	27.77	8.24	17.69	75.2	5.61	4.3	4.7
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:32:08	1.0	Surface	1	2	28.03	8.21	17.49	76.5	5.51	4.2	4.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:29	4.1	Middle	2	1	27.51	8.14	20.97	74.7	5.57	4.4	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:58	4.1	Middle	2	2	27.74	8.19	17.6	76	5.5	4.3	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:19	7.2	Bottom	3	1	27.27	7.99	23.28	74.6	5.46	4.5	6.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:50	7.2	Bottom	3	2	27.59	8.05	23.37	76.3	5.44	4.4	5.8
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:15:49	1.0	Surface	1	1	28.11	8.39	12.02	77.8	5.67	2.5	3.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:17:03	1.0	Surface	1	2	28.1	8.36	12.04	82.8	6.03	2.4	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:16:46	6.7	Middle	2	1	27.11	8.25	18.24	77.2	5.36	2.5	5.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:15:34	6.7	Middle	2	2	25.93	8.12	20.79	75.8	5.22	2.6	4.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:15:26	12.4	Bottom	3	1	25.72	8.08	30.92	71.4	5.05	2.7	6.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:16:22	12.4	Bottom	3	2	25.52	8.03	30.94	70.4	5.05	2.7	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS5	11:27:46	1.0	Surface	1	1	29.01	8.32	13.93	83.5	5.95	5.3	6.5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS5	11:27:09	1.0	Surface	1	2	28.99	8.33	13.87	76.4	5.45	5.4	6.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS5	11:27:25	4.1	Middle	2	1	27.29	8.1	26	80.7	5.42	5.3	7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS5	11:26:55	4.1	Middle	2	2	27.09	8.09	25.59	77	5.16	5.4	6.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS5	11:27:17	7.1	Bottom	3	1	27.01	8.11	30.62	72.3	5.05	5.3	5.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS5	11:26:48	7.1	Bottom	3	2	27.21	8.12	30.43	71.5	5.01	5.5	5.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)6	11:16:03	1.0	Surface	1	1	28.77	8.24	15.09	94	6.68	5	4.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)6	11:16:20	1.0	Surface	1	2	28.8	8.24	14.78	92.4	6.57	5.2	4.6

Water Quality Monitoring Data

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	2016-06-15	Mid-Ebb	Sunny	IS(Mf)6	11:15:57	2.2	Bottom	3	1	28.76	8.23	15.15	94.4	6.7	5	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)6	11:16:11	2.2	Bottom	3	2	28.71	8.21	16.43	93.3	6.59	5.1	5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS7	11:11:15	1.0	Surface	1	1	28.52	8.2	14.57	80.5	5.76	8.2	7.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS7	11:11:27	1.0	Surface	1	2	28.37	8.19	13.84	80.2	5.78	8.5	8.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS7	11:11:20	2.2	Bottom	3	1	28.39	8.12	19.27	80.6	5.63	8.4	8.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS7	11:11:06	2.2	Bottom	3	2	28.31	8.12	18.79	79.8	5.6	8.2	8.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS8	10:50:24	1.0	Surface	1	1	28.71	8.26	12.73	91.4	6.45	6.5	6.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS8	10:51:13	1.0	Surface	1	2	28.84	8.27	12.75	89.9	6.48	6.6	6.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS8	10:51:02	3.3	Bottom	3	1	28.23	8.16	17.12	82.6	5.94	6.6	6.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS8	10:50:17	3.3	Bottom	3	2	28.55	8.18	16.91	76.7	5.44	6.7	5.5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)9	11:03:11	1.0	Surface	1	1	28.62	8.22	14.22	82.3	5.89	7.4	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)9	11:02:52	1.0	Surface	1	2	28.28	8.2	14.73	78.9	5.67	7.5	5.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)9	11:02:59	2.7	Bottom	3	1	28.41	8.15	18.07	80.3	5.64	7.6	6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)9	11:02:43	2.7	Bottom	3	2	27.75	8.07	21.54	80.8	5.63	7.7	7.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:54:42	1.0	Surface	1	1	28.79	8.3	7.87	82.2	6.05	5.9	6.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:53:32	1.0	Surface	1	2	28.85	8.32	7.78	81.7	6.06	5.5	6.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:53:15	5.5	Middle	2	1	26.99	7.89	24.1	82.1	5.75	6.1	6.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:54:17	5.5	Middle	2	2	27.03	7.89	24.05	83.6	5.85	6	6.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:52:56	10.0	Bottom	3	1	25.25	7.75	28.27	78.5	5.43	7.1	6.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:54:02	10.0	Bottom	3	2	25.25	7.82	28.4	76	5.32	7.6	6.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR3	11:37:18	0.7	Middle	2	1	29.01	8.3	14.1	96.2	6.84	4.7	5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR3	11:37:25	0.7	Middle	2	2	29.02	8.3	14.1	96.8	6.88	4.8	4.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR4	10:56:37	1.0	Surface	1	1	28.81	8.24	13.07	91.2	6.54	7.5	4.5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR4	10:56:52	1.0	Surface	1	2	28.75	8.24	12.91	89.7	6.45	7.4	3.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR4	10:56:29	2.7	Bottom	3	1	28.65	8.17	16.3	92.1	6.51	7.5	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR4	10:56:45	2.7	Bottom	3	2	28.59	8.16	16.64	90.5	6.39	7.9	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR5	11:01:42	1.0	Surface	1	1	28.59	8.28	8.22	75.4	5.61	5.6	6.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR5	11:00:59	1.0	Surface	1	2	28.59	8.22	8.13	74.1	5.49	5.5	6.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR5	11:00:37	4.1	Bottom	3	1	27.36	7.86	20.31	74.3	5.28	5.8	6.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR5	11:01:19	4.1	Bottom	3	2	27.4	7.88	20.27	73.7	5.26	5.9	7.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:22:05	1.0	Surface	1	1	28.6	8.15	10.62	83.7	6.11	5.4	6.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:22:36	1.0	Surface	1	2	28.42	8.15	10.79	82.1	6.01	5.6	6.8
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:21:56	3.2	Middle	2	1	28.07	8.06	13.29	82.5	5.92	5.2	7.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:22:30	3.2	Middle	2	2	27.97	8.06	13.37	81.6	5.86	5.5	7.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:22:22	5.4	Bottom	3	1	27.62	8.04	22.23	80.6	5.68	5.3	8.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:21:47	5.4	Bottom	3	2	28.05	8.05	22.18	81.5	5.71	5.1	8.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10B	09:12:06	1.0	Surface	1	1	28.56	8.06	11.17	86.7	6.32	5.9	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10B	09:12:21	1.0	Surface	1	2	28.62	8.07	10.75	86.8	6.33	5.9	5.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10B	09:12:14	3.7	Bottom	3	1	28.49	8.01	13.45	86.5	6.23	5.8	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10B	09:11:59	3.7	Bottom	3	2	28.57	8.01	14.05	86.6	6.21	5.9	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:50:14	1.0	Surface	1	1	28.86	8.22	6.58	77.9	5.79	6.6	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:51:25	1.0	Surface	1	2	28.85	8.22	6.59	78	5.8	6.5	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:49:50	3.9	Middle	2	1	28.03	8.07	20.14	74.4	5.47	7.7	5.5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:51:06	3.9	Middle	2	2	28.01	8.05	20.2	74.5	5.49	7.6	5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:49:33	6.8	Bottom	3	1	26.57	7.69	28.04	73	5.1	8.4	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:50:43	6.8	Bottom	3	2	26.54	7.67	28.18	72.3	5.06	8.1	4.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:08:32	1.0	Surface	1	1	28.66	8.28	10.6	81.2	5.93	5.3	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:09:20	1.0	Surface	1	2	28.62	8.29	10.69	79.3	5.79	5.3	4.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:08:08	6.2	Middle	2	1	27.08	8.01	22.97	74.4	5.01	5.5	5.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:08:59	6.2	Middle	2	2	27.03	7.99	22.76	77	5.18	5.4	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:07:56	11.4	Bottom	3	1	25.27	7.85	35.17	67.9	4.75	5.7	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:08:50	11.4	Bottom	3	2	25.53	7.8	34.57	68.1	4.77	5.5	6.9

Water Quality Monitoring Data

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	2016-06-15	Mid-Flood	Sunny	IS5	14:58:44	1.0	Surface	1	1	28.9	8.43	13.56	82.8	5.92	7.5	4.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:58:05	1.0	Surface	1	2	28.86	8.44	13.84	83.7	5.98	7.5	4.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:57:54	4.3	Middle	2	1	27.1	8.27	20.3	84	5.7	7.8	6.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:58:27	4.3	Middle	2	2	28.18	8.31	19.79	72.9	5.18	7.6	8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:57:47	7.5	Bottom	3	1	27.22	8.28	28.13	75.5	5.39	7.7	8.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:58:13	7.5	Bottom	3	2	26.91	8.23	28.92	71.3	5.05	7.7	7.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)6	15:05:07	1.0	Surface	1	1	28.99	8.39	13.14	97.3	6.96	7.1	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)6	15:05:21	1.0	Surface	1	2	29.05	8.4	13.17	99.7	7.13	7.5	4.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)6	15:05:13	2.2	Bottom	3	1	29.02	8.39	13.28	98.7	7.05	7.3	4.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)6	15:05:00	2.2	Bottom	3	2	28.93	8.38	13.88	97.9	6.98	7	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS7	15:12:30	1.0	Surface	1	1	29.02	8.39	13.29	100.1	7.15	4.6	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS7	15:12:16	1.0	Surface	1	2	29.04	8.4	13.26	101.7	7.26	4.6	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS7	15:12:10	2.4	Bottom	3	1	29.06	8.39	13.26	101.3	7.24	4.6	6.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS7	15:12:22	2.4	Bottom	3	2	28.96	8.38	13.69	101.2	7.22	4.5	6.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS8	15:37:33	1.0	Surface	1	1	28.8	8.31	13.44	92.9	6.66	12	6.9
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS8	15:37:53	1.0	Surface	1	2	28.77	8.31	13.33	91.1	6.54	11.6	7.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS8	15:37:26	3.2	Bottom	3	1	28.8	8.31	13.58	93.3	6.68	11.7	9.3
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS8	15:37:46	3.2	Bottom	3	2	28.66	8.28	14.15	91.5	6.55	11.5	9.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)9	15:19:49	1.0	Surface	1	1	29.1	8.38	12.72	98.7	7.06	7.5	6.6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)9	15:19:30	1.0	Surface	1	2	29.07	8.39	12.8	98.5	7.05	7.5	6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)9	15:19:39	2.4	Bottom	3	1	29.02	8.37	13.12	98.5	7.04	7.4	7.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)9	15:19:21	2.4	Bottom	3	2	29.04	8.38	13.05	98.3	7.03	7.7	8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:31:45	1.0	Surface	1	1	28.82	8.29	6.07	81.3	6.07	7.1	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:32:57	1.0	Surface	1	2	28.83	8.26	6.01	81.4	6.08	6.8	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:32:36	5.5	Middle	2	1	27.55	7.96	14.33	76.4	5.58	5.6	5.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:31:28	5.5	Middle	2	2	27.59	7.93	14.32	77.1	5.56	5.7	6.9
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:32:16	10.0	Bottom	3	1	25.56	7.69	26.25	72.4	5.01	6.4	7.5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:31:06	10.0	Bottom	3	2	25.54	7.66	26.31	73.4	5.07	6.8	8.3
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR3	14:46:46	0.6	Middle	2	1	28.77	8.57	13.18	92.4	6.64	5.1	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR3	14:46:41	0.6	Middle	2	2	28.75	8.58	13.23	92.4	6.63	5	6.5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR4	15:31:15	1.0	Surface	1	1	28.86	8.33	13.32	93.9	6.72	11.5	9
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR4	15:31:32	1.0	Surface	1	2	28.86	8.33	13.31	93.8	6.72	11.6	8.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR4	15:31:07	2.7	Bottom	3	1	28.82	8.33	13.54	93.9	6.72	11.9	10.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR4	15:31:23	2.7	Bottom	3	2	28.8	8.32	13.57	93.9	6.73	11.5	10.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR5	16:21:31	1.0	Surface	1	1	28.83	8.15	6.01	88.6	6.61	6.8	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR5	16:20:40	1.0	Surface	1	2	28.83	8.15	5.96	88.6	6.6	6.9	5.6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR5	16:20:22	4.0	Bottom	3	1	28.65	8.04	9.61	88.6	6.41	5.7	6.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR5	16:21:06	4.0	Bottom	3	2	28.67	8.07	9.7	87.9	6.45	5.6	4.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:04:43	1.0	Surface	1	1	28.92	8.41	11.09	87.6	6.35	4.5	4.6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:05:13	1.0	Surface	1	2	28.98	8.4	11.16	91.5	6.62	4.5	5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:05:02	3.2	Middle	2	1	28.6	8.35	12.07	84.7	6.14	4.5	4.3
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:04:34	3.2	Middle	2	2	28.55	8.34	12.1	90.7	6.28	4.3	4.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:04:26	5.4	Bottom	3	1	27.11	8.1	24.68	86.3	5.98	4.6	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:04:53	5.4	Bottom	3	2	27.06	8.18	24.92	81.1	5.88	4.5	6.5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10B	17:13:27	1.0	Surface	1	1	28.75	8.37	10.97	95.4	6.94	4.6	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10B	17:13:13	1.0	Surface	1	2	28.82	8.38	11.05	96	6.96	4.5	4.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10B	17:13:21	4.0	Bottom	3	1	28.75	8.29	14.92	96.3	6.85	4.6	6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10B	17:13:06	4.0	Bottom	3	2	28.75	8.34	12.48	95.8	6.9	4.6	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:25:03	1.0	Surface	1	1	28.98	8.35	5.28	81.4	6.08	8.1	5.3
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:26:23	1.0	Surface	1	2	29	8.34	5.27	81.5	6.08	8.5	5.5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:24:44	4.0	Middle	2	1	28.22	8.14	12.33	76.7	5.62	6	6.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:25:59	4.0	Middle	2	2	28.27	8.1	12.39	77.1	5.62	5.9	7.4

Water Quality Monitoring Data

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	2016-06-15	Mid-Flood	Sunny	CS2	15:24:25	7.0	Bottom	3	1	26.89	7.74	25.97	75	5.25	6.3	8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:25:33	7.0	Bottom	3	2	26.93	7.75	25.91	73.2	5.14	6.1	8.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:23:09	1.0	Surface	1	1	29.01	8.49	11	80.8	5.85	4.9	4.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:23:50	1.0	Surface	1	2	29.01	8.48	10.98	80	5.79	4.8	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:22:52	5.9	Middle	2	1	26.8	8.19	24.83	75.6	5.12	5.5	4.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:23:32	5.9	Middle	2	2	26.24	8.12	26.74	75.9	5.15	5	4.6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:23:24	10.8	Bottom	3	1	25.06	8.08	34.69	74.8	5.08	5.2	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:22:40	10.8	Bottom	3	2	25.19	8.07	34.56	74.3	5.03	5.5	5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:49	1.0	Surface	1	1	29	8.41	12.58	92.2	6.32	5.6	3.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:21	1.0	Surface	1	2	28.96	8.41	12.65	85.7	6.19	5.7	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:08	4.4	Middle	2	1	26.45	8.08	28.47	80.5	5.66	6.1	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:35	4.4	Middle	2	2	26.38	8.08	28.64	81.7	5.68	6.2	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:35:59	7.7	Bottom	3	1	26.49	8.13	30.91	75.6	5.26	6.3	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:28	7.7	Bottom	3	2	26.51	8.15	30.84	74.9	5.22	6.4	3.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)6	12:28:41	1.0	Surface	1	1	28.72	8.28	12.97	91.9	6.61	4.7	3.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)6	12:28:23	1.0	Surface	1	2	29.05	8.31	12.15	98.4	7.07	4.8	2.7
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)6	12:28:15	2.3	Bottom	3	1	28.98	8.26	15.09	99.3	7.03	4.8	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)6	12:28:33	2.3	Bottom	3	2	28.44	8.19	16.55	94.5	6.69	4.7	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS7	12:21:46	1.0	Surface	1	1	28.61	8.24	12.26	85.4	6.18	5.8	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS7	12:22:01	1.0	Surface	1	2	28.58	8.24	12.43	83.9	6.07	6	4.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS7	12:21:54	2.3	Bottom	3	1	28.42	8.15	17.54	85.7	6.04	5.9	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS7	12:21:39	2.3	Bottom	3	2	28.48	8.14	18.69	88.4	6.19	5.8	3.7
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS8	11:58:20	1.0	Surface	1	1	28.46	8.2	13.27	78.4	5.66	7.4	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS8	11:58:08	1.0	Surface	1	2	28.37	8.2	12.82	78.5	5.68	7.4	4.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS8	11:58:13	3.0	Bottom	3	1	28.45	8.14	17.5	79.3	5.59	7.8	3.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS8	11:58:01	3.0	Bottom	3	2	28.43	8.14	18.92	80.2	5.61	7.6	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)9	12:12:45	1.0	Surface	1	1	28.86	8.25	12.1	79.8	5.75	5.6	3.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)9	12:12:31	1.0	Surface	1	2	28.58	8.24	12.22	81.2	5.88	5.6	3.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)9	12:12:24	2.7	Bottom	3	1	28.45	8.14	20.83	82.8	5.73	5.6	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)9	12:12:37	2.7	Bottom	3	2	27.71	8.1	22.99	82.6	5.72	5.5	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:38	1.0	Surface	1	1	29.11	8.2	7.44	83.1	5.72	6.7	4.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:23:17	1.0	Surface	1	2	29.07	8.19	7.64	85.8	5.91	7	3.9
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:57	5.2	Middle	2	1	26.45	7.65	24.38	79.1	5.83	7	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:22	5.2	Middle	2	2	26.58	7.66	21.4	79.3	5.85	7.6	4.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:51	9.4	Bottom	3	1	26.42	7.57	27.44	74.1	5.11	6.8	4.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:16	9.4	Bottom	3	2	26.55	7.55	27.4	72.7	5.17	7.1	4.3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR3	12:46:19	0.6	Middle	2	1	29.15	8.4	12.51	102.6	7.35	4.9	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR3	12:46:24	0.6	Middle	2	2	29.12	8.4	12.6	103.8	7.43	4.9	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR4	12:06:36	1.0	Surface	1	1	28.56	8.22	12.13	78.5	5.69	7.4	2.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR4	12:06:55	1.0	Surface	1	2	28.73	8.25	12.03	82.6	5.97	7.4	2.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR4	12:06:28	2.7	Bottom	3	1	28.35	8.13	16.89	78.3	5.55	7.3	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR4	12:06:43	2.7	Bottom	3	2	28.19	8.08	19.82	79.7	5.57	7.5	2.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR5	11:31:48	1.0	Surface	1	1	28.49	8.07	7.93	82.5	6.13	5.7	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR5	11:32:01	1.0	Surface	1	2	28.67	8.08	7.75	83.3	6.18	5.9	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR5	11:31:54	3.7	Bottom	3	1	28.56	8.02	10.26	83.5	6.11	5.8	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR5	11:31:41	3.7	Bottom	3	2	28.32	8.01	10.26	84.8	6.23	5.8	4.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:28:03	1.0	Surface	1	1	27.85	8.18	14.49	75.1	5.44	3.8	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:28:27	1.0	Surface	1	2	27.77	8.17	14.54	74.8	5.42	3.8	2.3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:28:20	3.3	Middle	2	1	27.49	8.1	18.16	74.4	5.28	3.8	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:27:56	3.3	Middle	2	2	27.45	8.09	18.28	74.2	5.29	3.8	2.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:27:48	5.5	Bottom	3	1	27.62	8.05	21.6	74.2	5.18	3.7	2.7
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:28:10	5.5	Bottom	3	2	27.54	8.05	23.63	73.9	5.14	3.8	3.3

Water Quality Monitoring Data

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	2016-06-17	Mid-Ebb	Sunny	SR10B	10:16:16	1.0	Surface	1	1	27.6	8.14	14.85	76.2	5.53	3.7	2.7
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10B	10:16:32	1.0	Surface	1	2	27.81	8.17	14.64	76.3	5.52	3.6	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10B	10:16:09	4.4	Bottom	3	1	27.71	8.1	20.16	76	5.35	3.8	3.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10B	10:16:22	4.4	Bottom	3	2	27.71	8.1	19.27	75.8	5.36	3.7	2.9
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:35	1.0	Surface	1	1	28.58	8.05	8.47	81	5.99	6.3	3.9
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:44:02	1.0	Surface	1	2	28.66	8.06	8.32	81.6	6.03	6.4	3.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:52	4.0	Middle	2	1	28.37	7.99	9.94	80.3	5.91	5.9	4.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:27	4.0	Middle	2	2	28.37	8	9.87	80.2	5.9	6	3.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:45	6.9	Bottom	3	1	28.38	7.98	10.3	80.9	5.94	6	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:15	6.9	Bottom	3	2	28.42	7.99	10.11	81.4	5.98	6.1	4.3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:18:05	1.0	Surface	1	1	28.04	8.31	13.81	78.3	5.7	4.5	2.9
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:27	1.0	Surface	1	2	27.94	8.28	14.01	76.8	5.6	4.6	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:18	6.1	Middle	2	1	25.85	8.04	25.96	75.9	5.31	4.7	2.3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:53	6.1	Middle	2	2	25.95	8.07	25.98	78.1	5.45	4.4	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:10	11.1	Bottom	3	1	25.5	7.97	30.53	72.9	5.18	4.6	2.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:41	11.1	Bottom	3	2	25.67	8.01	30.38	73.1	5.19	4.6	2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:43:48	1.0	Surface	1	1	28.98	8.52	12.22	97.9	7.11	8.1	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:43:06	1.0	Surface	1	2	29.07	8.56	11.91	99.6	7.1	8.6	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:42:50	4.4	Middle	2	1	27.04	8.35	21.57	82.1	5.9	8.5	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:43:27	4.4	Middle	2	2	26.83	8.31	21.77	94.1	6.84	8.4	2.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:42:40	7.7	Bottom	3	1	26.67	8.35	26.53	75.2	5.22	8.6	2.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:43:18	7.7	Bottom	3	2	26.6	8.27	26.94	74.4	5.13	8.7	2.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)6	16:51:45	1.0	Surface	1	1	29.99	8.57	10.78	111.1	7.92	4.7	2.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)6	16:51:19	1.0	Surface	1	2	29.85	8.59	10.81	118.4	8.45	4.8	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)6	16:51:35	2.3	Bottom	3	1	28.62	8.49	13.32	108.9	7.84	4.8	2.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)6	16:51:08	2.3	Bottom	3	2	29.76	8.56	12.63	118.2	8.37	4.9	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS7	16:58:02	1.0	Surface	1	1	29.76	8.59	10.91	115.5	8.26	4.8	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS7	16:58:17	1.0	Surface	1	2	29.63	8.58	10.93	115.4	8.27	4.9	2.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS7	16:58:10	2.2	Bottom	3	1	29.37	8.54	12.68	115.9	8.26	5	2.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS7	16:57:53	2.2	Bottom	3	2	29.59	8.55	12.72	114.3	8.11	4.8	2.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS8	17:20:02	1.0	Surface	1	1	29.34	8.46	11.64	103.2	7.4	7.5	5.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS8	17:20:26	1.0	Surface	1	2	29.32	8.45	11.56	98.8	7.09	7.5	5.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS8	17:20:17	3.3	Bottom	3	1	28.86	8.38	13.88	98.8	7.06	7.7	5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS8	17:19:55	3.3	Bottom	3	2	29.35	8.44	13.13	105	7.47	7.8	5.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)9	17:07:55	1.0	Surface	1	1	29.6	8.57	11.54	115	8.22	8.5	5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)9	17:08:12	1.0	Surface	1	2	29.64	8.57	11.62	114.1	8.14	8.4	4.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)9	17:07:48	2.7	Bottom	3	1	29.53	8.55	12.91	116.3	8.25	8.8	5.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)9	17:08:03	2.7	Bottom	3	2	29.41	8.53	13.63	114.6	8.12	8.6	4.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:47:49	1.0	Surface	1	1	29.02	8.17	7.57	77.8	5.74	8	7.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:47:01	1.0	Surface	1	2	29.29	8.21	6.67	78.3	5.78	8.4	7.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:47:19	5.3	Middle	2	1	26.44	7.74	22.42	74	5.38	7	7.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:46:30	5.3	Middle	2	2	26.64	7.75	22.86	72	5.21	7.3	7.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:47:09	9.6	Bottom	3	1	26.08	7.75	27.07	73.6	5.31	7.7	7.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:46:17	9.6	Bottom	3	2	25.93	7.63	27.83	72.2	5.22	7.5	7.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR3	16:30:54	0.7	Middle	2	1	29.31	8.7	10.72	108.6	7.83	4.5	4.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR3	16:30:59	0.7	Middle	2	2	29.28	8.7	10.79	109.4	7.89	4.5	3.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR4	17:12:48	1.0	Surface	1	1	29.47	8.49	11.73	106.1	7.58	9.6	7.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR4	17:13:02	1.0	Surface	1	2	29.46	8.49	11.73	107.3	7.68	9.5	6.9
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR4	17:12:40	2.7	Bottom	3	1	29.44	8.48	12.04	104.9	7.49	9.6	6.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR4	17:12:54	2.7	Bottom	3	2	29.45	8.47	12.05	107	7.64	9.8	6.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR5	17:40:09	1.0	Surface	1	1	28.91	8.11	7.77	78.9	5.82	7.7	6.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR5	17:40:56	1.0	Surface	1	2	28.91	8.14	7.67	77.4	5.72	7.8	6.8

Water Quality Monitoring Data

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	2016-06-17	Mid-Flood	Sunny	SR5	17:39:52	4.1	Bottom	3	1	28.54	7.91	17.45	78.8	5.55	7	7.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR5	17:40:29	4.1	Bottom	3	2	27.17	7.76	18.78	75.2	5.23	6.5	7.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:42:02	1.0	Surface	1	1	28.85	8.36	11.94	80.7	5.83	3.7	3.9
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:42:38	1.0	Surface	1	2	28.83	8.36	11.98	82.1	5.93	3.8	3.9
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:42:21	3.3	Middle	2	1	26.92	8.17	19.94	79.1	5.47	3.8	3.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:41:48	3.3	Middle	2	2	27.54	8.2	19.5	77.3	5.35	3.6	3.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:41:39	5.5	Bottom	3	1	26.45	8.09	26.96	69.7	4.93	3.8	3.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:42:13	5.5	Bottom	3	2	26.41	8.09	27.12	70.5	5.03	3.8	2.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10B	18:51:58	1.0	Surface	1	1	28.82	8.33	11.91	84.5	6.11	3.9	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10B	18:51:41	1.0	Surface	1	2	28.81	8.34	11.97	84.8	6.13	4.2	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10B	18:51:32	3.7	Bottom	3	1	27.79	8.25	19.91	79.9	5.6	3.9	3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10B	18:51:49	3.7	Bottom	3	2	27.33	8.2	20.24	80.7	5.84	4	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:28:26	1.0	Surface	1	1	29.18	8.21	6.7	78	5.53	8.1	5.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:27:53	1.0	Surface	1	2	29.21	8.3	6.7	79.1	5.58	7.9	5.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:28:10	3.8	Middle	2	1	27.9	7.96	12.31	77.1	5.69	5.5	4.6
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:27:35	3.8	Middle	2	2	27.12	8	14.98	77.8	5.75	5.9	5.9
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:28:01	6.5	Bottom	3	1	27.28	7.73	19.94	71.8	5.26	6.2	7.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:27:28	6.5	Bottom	3	2	26.95	7.9	21.82	71.9	5.25	6	7.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:23	1.0	Surface	1	1	28.8	8.45	11.69	83.1	5.8	4.6	3.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:03:07	1.0	Surface	1	2	28.86	8.45	11.64	82.5	5.99	4.8	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:51	6.3	Middle	2	1	26.2	8.16	26.67	77	5.36	5.6	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:10	6.3	Middle	2	2	26.23	8.15	26.61	79.7	5.76	5.5	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:01	11.6	Bottom	3	1	25.16	8.13	32.92	74.2	5.23	5.7	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:40	11.6	Bottom	3	2	24.86	8.09	33.02	69.8	4.92	5.7	3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:35:06	1.0	Surface	1	1	28.51	8.32	16.95	85.7	6.05	7.8	4.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:34:21	1.0	Surface	1	2	28.49	8.34	16.98	83.5	5.9	7.7	4.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:34:42	4.2	Middle	2	1	26.91	8.17	25.04	85.8	6.06	8.6	6.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:34:00	4.2	Middle	2	2	26.88	8.19	25.47	77.6	5.37	7.9	6.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:33:51	7.3	Bottom	3	1	26.8	8.2	26.29	75.7	5.22	8.4	7.5
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:34:34	7.3	Bottom	3	2	26.76	8.17	26.57	76.7	5.29	9.1	6.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)6	11:42:00	1.0	Surface	1	1	28.58	8.32	17.95	104.1	7.3	6.7	9.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)6	11:41:44	1.0	Surface	1	2	28.6	8.32	17.94	102.9	7.22	6.8	9.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)6	11:41:35	2.4	Bottom	3	1	28.52	8.3	18.35	100.6	7.05	7.1	11.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)6	11:41:52	2.4	Bottom	3	2	28.54	8.31	18.84	104.1	7.27	6.7	11.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS7	11:48:33	1.0	Surface	1	1	29.02	8.4	17.45	123.1	8.59	7.5	6.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS7	11:48:14	1.0	Surface	1	2	28.86	8.37	17.61	117.1	8.19	7.3	5.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS7	11:48:05	2.4	Bottom	3	1	28.75	8.35	18.65	117	8.15	8.2	6.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS7	11:48:23	2.4	Bottom	3	2	28.75	8.37	18.05	118.3	8.27	8.6	5.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS8	12:18:14	1.0	Surface	1	1	28.41	8.3	17.29	95.7	6.76	4.3	6.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS8	12:17:59	1.0	Surface	1	2	28.35	8.3	17.43	95.4	6.74	4.4	6.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS8	12:18:05	2.8	Bottom	3	1	28.33	8.29	18.36	96.3	6.76	4.4	7.4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS8	12:17:52	2.8	Bottom	3	2	28.33	8.29	18.41	96.9	6.81	4.5	6.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)9	11:57:31	1.0	Surface	1	1	28.53	8.39	17.21	108.3	7.63	6.6	5.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)9	11:57:54	1.0	Surface	1	2	28.51	8.38	17.21	106.6	7.52	6.6	5.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)9	11:57:44	2.5	Bottom	3	1	28.39	8.33	19.42	106.9	7.46	8.8	5.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)9	11:57:21	2.5	Bottom	3	2	28.42	8.35	19.39	109.9	7.67	7.9	5.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:50:09	1.0	Surface	1	1	28.45	8.16	18.08	74.7	5.51	4.4	2.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:27	1.0	Surface	1	2	28.38	8.12	19.44	74.8	5.52	4.4	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:57	5.3	Middle	2	1	28.31	8.02	19.83	73.9	5.45	4.6	3.5
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:16	5.3	Middle	2	2	27.86	7.94	21.68	75	5.37	4.5	2.4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:06	9.6	Bottom	3	1	27.68	7.85	25.64	72.5	5.17	4.7	4.4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:44	9.6	Bottom	3	2	26.97	7.81	27.65	72.9	5.25	4.8	3.6

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	2016-06-20	Mid-Ebb	Sunny	SR3	11:22:47	0.8	Middle	2	1	28.6	8.47	16.02	97.2	6.89	5.5	6.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR3	11:23:03	0.8	Middle	2	2	28.55	8.45	16.37	97.3	6.89	5.8	5.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR4	12:08:18	1.0	Surface	1	1	28.28	8.32	17.37	91.7	6.49	4.2	6.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR4	12:08:33	1.0	Surface	1	2	28.37	8.32	17.31	92.9	6.56	4.2	7.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR4	12:08:12	2.8	Bottom	3	1	28.26	8.31	19.26	93.3	6.53	4.2	6.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR4	12:08:26	2.8	Bottom	3	2	28.27	8.3	19.14	93.5	6.55	4.3	7.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR5	12:38:24	1.0	Surface	1	1	28.41	8.12	19.92	75.4	5.59	4.1	3.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR5	12:37:52	1.0	Surface	1	2	28.37	8.12	19.88	76.5	5.58	4.1	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR5	12:38:03	4.4	Bottom	3	1	28.21	7.95	23.28	74.1	5.49	4.2	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR5	12:37:38	4.4	Bottom	3	2	28.31	8.01	22.96	75.3	5.36	4.2	4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:43:40	1.0	Surface	1	1	28.78	8.13	14.48	80.1	5.71	4.5	4.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:43:00	1.0	Surface	1	2	28.57	8.15	14.54	80	5.72	4.5	2.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:43:24	3.2	Middle	2	1	27.88	8.08	17.15	76.6	5.46	4.2	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:42:46	3.2	Middle	2	2	27.91	8.09	17.45	77.2	5.49	4.4	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:43:16	5.3	Bottom	3	1	27.69	8.05	18.87	77	5.46	3.9	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:42:35	5.3	Bottom	3	2	27.76	8.05	19.59	77.7	5.48	4	4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10B	13:54:13	1.0	Surface	1	1	28.46	8.1	13.71	81.2	5.84	4.6	2.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10B	13:54:42	1.0	Surface	1	2	28.62	8.09	14.36	81.5	5.83	4.8	3.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10B	13:54:01	4.1	Bottom	3	1	28.16	8.03	16.96	80.5	5.72	4.6	4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10B	13:54:25	4.1	Bottom	3	2	28.1	8.03	17.3	80.5	5.71	4.6	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:20:52	1.0	Surface	1	1	27.47	8.04	20.01	72.8	5.34	4.2	3.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:21:24	1.0	Surface	1	2	27.68	8.14	19.01	73.1	5.33	4.2	2.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:21:14	4.1	Middle	2	1	27.08	7.99	24.45	72.4	5.26	4.4	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:20:38	4.1	Middle	2	2	26.93	7.96	28.29	72.2	5.21	4.3	2.5
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:21:06	7.2	Bottom	3	1	26.97	7.93	28.55	71.3	5.14	4.6	2.5
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:20:22	7.2	Bottom	3	2	26.84	7.94	29.36	71.6	5.13	4.5	3.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:01:39	1.0	Surface	1	1	28.61	8.22	13.97	78.1	5.6	5	3.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:00:49	1.0	Surface	1	2	28.74	8.24	13.2	80	5.75	5.2	3.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:00:15	6.7	Middle	2	1	25.54	8.04	28.59	75.5	5.27	6.9	4.4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:01:12	6.7	Middle	2	2	25.49	7.99	29.14	76	5.31	6.7	4.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:00:04	12.4	Bottom	3	1	25.57	8.03	29.33	73.8	5.11	5.7	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:01:04	12.4	Bottom	3	2	25.41	7.98	30.14	73.7	5.09	5.6	3.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:39	1.0	Surface	1	1	28.72	8.39	16.82	104.7	7.38	6.2	5.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:24:07	1.0	Surface	1	2	28.69	8.38	17.01	104.2	7.33	6.3	6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:56	4.2	Middle	2	1	28.53	8.35	18.23	102.3	7.17	6.8	6.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:23	4.2	Middle	2	2	28.52	8.35	18.58	102.2	7.15	6.9	5.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:48	7.3	Bottom	3	1	28.61	8.35	18.53	105.3	7.36	6.6	7.9
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:14	7.3	Bottom	3	2	28.6	8.36	18.64	104	7.27	6.5	8.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)6	07:15:10	1.0	Surface	1	1	28.98	8.46	17.2	122.9	8.6	4.7	4.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)6	07:14:55	1.0	Surface	1	2	29.04	8.46	17.04	122.7	8.58	4.7	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)6	07:14:46	2.3	Bottom	3	1	28.88	8.44	18.07	121.9	8.5	4.9	5.7
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)6	07:15:01	2.3	Bottom	3	2	28.89	8.44	18.22	123	8.57	4.9	5.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS7	07:05:04	1.0	Surface	1	1	28.87	8.43	16.72	118.4	8.32	3.9	3.7
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS7	07:05:16	1.0	Surface	1	2	28.55	8.41	16.87	114	8.05	3.9	3.6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS7	07:05:10	2.3	Bottom	3	1	28.53	8.42	16.99	118.8	8.39	3.9	5.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS7	07:04:55	2.3	Bottom	3	2	28.5	8.42	16.94	119.7	8.46	3.8	5.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS8	06:39:00	1.0	Surface	1	1	28.43	8.22	16.37	91.6	6.5	4.2	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS8	06:38:40	1.0	Surface	1	2	28.41	8.22	16.26	90.9	6.45	4.4	2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS8	06:38:31	2.8	Bottom	3	1	28.27	8.2	17.89	91	6.42	4.9	3.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS8	06:38:47	2.8	Bottom	3	2	28.15	8.19	18.01	90.5	6.39	4.9	2.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)9	06:57:47	1.0	Surface	1	1	28.91	8.4	16.86	123.5	8.67	4.1	5.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)9	06:57:33	1.0	Surface	1	2	28.94	8.39	16.84	123.8	8.68	4.2	4.7

Water Quality Monitoring Data

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	2016-06-20	Mid-Flood	Sunny	IS(Mf)9	06:57:25	2.5	Bottom	3	1	28.69	8.39	16.96	126.5	8.9	4.1	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)9	06:57:39	2.5	Bottom	3	2	28.73	8.4	16.97	125.8	8.85	4.1	5.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:21:06	1.0	Surface	1	1	27.89	8.18	22.57	75.2	5.41	3.6	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:25	1.0	Surface	1	2	27.66	8.06	23.86	74.9	5.45	3.5	4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:52	5.3	Middle	2	1	27	8.05	24.95	73.2	5.24	3.8	4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:10	5.3	Middle	2	2	27.37	8.02	24.82	73.7	5.21	3.7	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:42	9.6	Bottom	3	1	26.47	7.92	31.9	72	5.2	4	4.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:00	9.6	Bottom	3	2	27.38	8	25.57	71.5	5.17	3.9	4.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR3	07:33:02	0.8	Middle	2	1	28.73	8.38	17.06	110.1	7.74	5.9	8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR3	07:32:46	0.8	Middle	2	2	28.72	8.38	17.09	109.7	7.72	5.7	8.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR4	06:48:11	1.0	Surface	1	1	28.38	8.19	16.45	89.2	6.33	4.3	4.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR4	06:48:29	1.0	Surface	1	2	28.43	8.19	16.39	90.1	6.39	4.1	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR4	06:48:17	2.8	Bottom	3	1	28.2	8.17	17.61	89.3	6.32	5	4.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR4	06:47:58	2.8	Bottom	3	2	28.18	8.16	18.26	87	6.14	4.9	2.9
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR5	06:31:37	1.0	Surface	1	1	28.09	8.24	23.25	72.7	5.19	5.3	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR5	06:31:10	1.0	Surface	1	2	27.31	8.09	24.32	72.8	5.21	5.2	2.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR5	06:31:23	4.5	Bottom	3	1	26.96	7.98	30.38	70.7	5.08	5.5	3.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR5	06:30:58	4.5	Bottom	3	2	26.93	7.97	30.39	70.8	5.1	5.6	2.9
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:32	1.0	Surface	1	1	27.39	8.24	20.85	75.2	5.3	2.9	2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:17:10	1.0	Surface	1	2	27.58	8.24	19.77	75.7	5.35	2.7	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:57	3.1	Middle	2	1	26.93	8.18	23.21	72.5	5.08	3.2	2.6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:14	3.1	Middle	2	2	26.63	8.18	26.22	74.4	5.2	2.9	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:02	5.2	Bottom	3	1	25.04	8.12	30.92	73.4	5.08	3	2.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:50	5.2	Bottom	3	2	25.27	8.1	29.52	72.5	5.04	3.2	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10B	05:05:05	1.0	Surface	1	1	27.07	8.35	20.67	78.3	5.55	2.5	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10B	05:05:25	1.0	Surface	1	2	27.63	8.36	18.52	78.7	5.59	2.5	2.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10B	05:05:13	4.1	Bottom	3	1	27.08	8.3	24.26	77.6	5.39	2.5	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10B	05:04:57	4.1	Bottom	3	2	26.86	8.32	25.1	78.2	5.42	2.6	2.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:50:02	1.0	Surface	1	1	28.12	8.07	18.23	73.1	5.38	3.9	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:39	1.0	Surface	1	2	28.17	8.09	17.76	73.2	5.36	3.9	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:30	4.2	Middle	2	1	28.1	7.98	20.14	72.5	5.33	4.1	2.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:54	4.2	Middle	2	2	27.67	7.9	20.92	71.8	5.27	4.1	2.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:19	7.3	Bottom	3	1	26.57	7.75	29.93	72.5	5.12	4.2	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:49	7.3	Bottom	3	2	26.84	7.84	28.85	72.1	5.13	4.2	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:55:00	1.0	Surface	1	1	26.97	8.18	23.1	76.2	5.3	2.6	3.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:54:04	1.0	Surface	1	2	27.3	8.19	21.59	75.1	5.28	2.7	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:53:29	6.7	Middle	2	1	24.49	8.05	34.43	74.6	5.24	3.6	2.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:54:28	6.7	Middle	2	2	24.8	8.06	34.07	73.5	5.17	3.7	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:53:18	12.4	Bottom	3	1	24.49	8.05	34.76	73.3	5.13	3.7	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:54:18	12.4	Bottom	3	2	24.52	8.04	34.69	72.2	5.16	4	3.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:48:16	1.0	Surface	1	1	28.28	8.42	17.38	75.3	5.32	6.4	6.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:37	1.0	Surface	1	2	28.09	8.44	17.32	75.7	5.34	6.5	6.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:55	4.6	Middle	2	1	26.46	8.33	22.98	75.2	5.31	6.5	6.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:28	4.6	Middle	2	2	26.61	8.36	22.3	74.6	5.18	6.6	6.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:49	8.1	Bottom	3	1	26.4	8.32	26.28	73.9	5.13	6.7	7.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:22	8.1	Bottom	3	2	26.38	8.33	26.09	71.3	5.05	6.8	8.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)6	12:53:00	1.0	Surface	1	1	28.34	8.38	17.99	89.3	6.28	6.9	7.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)6	12:52:53	1.0	Surface	1	2	28.43	8.39	17.84	91.2	6.41	7	7.5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)6	12:52:49	2.4	Bottom	3	1	28.52	8.4	17.72	90.1	6.34	7	7.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)6	12:52:56	2.4	Bottom	3	2	28.41	8.39	17.84	88.3	6.22	7.1	7.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS7	12:59:22	1.0	Surface	1	1	28.3	8.35	18.14	83.6	5.88	7	7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS7	12:59:15	1.0	Surface	1	2	28.3	8.35	18.13	83.6	5.88	7	7.3

Water Quality Monitoring Data

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	2016-06-22	Mid-Ebb	Sunny	IS7	12:59:18	2.6	Bottom	3	1	28.34	8.35	18.07	83.5	5.88	7	9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS7	12:59:12	2.6	Bottom	3	2	28.34	8.36	18.05	83.5	5.88	7.2	8.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS8	13:23:28	1.0	Surface	1	1	28.86	8.52	16.92	121.6	8.5	4.9	5.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS8	13:23:35	1.0	Surface	1	2	28.86	8.52	16.93	120.4	8.41	4.9	6.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS8	13:23:32	2.5	Bottom	3	1	28.95	8.52	17.58	119.5	8.39	5	5.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS8	13:23:25	2.5	Bottom	3	2	28.94	8.52	17.48	120.7	8.48	4.9	5.1
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)9	13:05:50	1.0	Surface	1	1	28.33	8.33	18.08	83	5.84	7	6.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)9	13:06:09	1.0	Surface	1	2	28.47	8.32	17.86	83.5	5.87	7	6.7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)9	13:05:53	2.5	Bottom	3	1	28.38	8.33	18.03	83.1	5.85	7	6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)9	13:05:45	2.5	Bottom	3	2	28.33	8.33	18.1	82.8	5.83	7.2	7.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:02:05	1.0	Surface	1	1	29.34	8.27	9.3	75	5.73	8.1	3.7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:02:48	1.0	Surface	1	2	29.21	8.24	9.4	75	5.72	8.8	2.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:02:37	3.8	Middle	2	1	27.15	7.94	19.62	74.5	5.66	10.9	3.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:01:51	3.8	Middle	2	2	27.08	7.94	20.44	74.5	5.64	11.1	3.1
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:01:41	6.5	Bottom	3	1	27.11	7.9	20.63	74.2	5.61	10.3	3.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:02:30	6.5	Bottom	3	2	27.12	7.91	20.65	74.3	5.64	11.2	3.5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR3	12:38:10	0.8	Middle	2	1	28.5	8.65	15.93	86.8	6.17	6.6	7.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR3	12:38:07	0.8	Middle	2	2	28.52	8.66	15.88	87.2	6.19	6.7	8.1
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR4	13:18:45	1.0	Surface	1	1	28.91	8.5	16.79	123.2	8.61	4.7	5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR4	13:18:37	1.0	Surface	1	2	29	8.5	16.64	123.5	8.64	4.6	5.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR4	13:18:41	2.4	Bottom	3	1	29.04	8.5	17.35	122.6	8.61	4.7	7.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR4	13:18:32	2.4	Bottom	3	2	29.13	8.5	17.25	123.1	8.62	4.6	6.1
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR5	14:54:50	1.0	Surface	1	1	29.28	8.28	9.42	75.2	5.71	7.5	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR5	14:55:08	1.0	Surface	1	2	29.25	8.22	9.39	74.9	5.7	7.3	5.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR5	14:54:59	4.2	Bottom	3	1	27.46	8.04	19.6	74.9	5.67	8.2	6.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR5	14:54:36	4.2	Bottom	3	2	27.11	7.96	20.22	75.2	5.68	8.1	6.7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:23:50	1.0	Surface	1	1	28.18	8.27	17.89	79.5	5.62	5.2	3.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:24:39	1.0	Surface	1	2	28.16	8.26	18.21	80.2	5.66	5.2	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:24:33	3.0	Middle	2	1	28.15	8.25	18.4	80.1	5.65	5.2	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:23:42	3.0	Middle	2	2	28.1	8.26	18.58	79.4	5.59	5.2	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:24:14	5.0	Bottom	3	1	28.18	8.25	18.65	79.8	5.62	5.7	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:23:30	5.0	Bottom	3	2	28.13	8.26	18.7	79	5.56	5.5	4.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10B	14:32:27	1.0	Surface	1	1	28.48	8.26	17.3	82.6	5.83	5	4.7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10B	14:31:56	1.0	Surface	1	2	28.36	8.25	17.54	82	5.78	5.4	5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10B	14:31:49	4.1	Bottom	3	1	28.37	8.25	18.34	81.7	5.74	5.5	6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10B	14:32:05	4.1	Bottom	3	2	28.38	8.24	18.36	82.1	5.76	5.3	5.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:21	1.0	Surface	1	1	29.04	8.26	9.97	73.8	5.54	8.1	4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:59	1.0	Surface	1	2	29.06	8.28	9.9	73	5.48	7.7	4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:44	2.7	Middle	2	1	27.28	8.02	20.15	72.8	5.44	9.2	5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:03	2.7	Middle	2	2	27.15	8.02	19.55	73.4	5.48	9.5	3.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:32	4.4	Bottom	3	1	27.14	7.99	20.41	73.9	5.51	11	3.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:40:55	4.4	Bottom	3	2	27.06	7.99	20.59	74	5.51	10.7	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:54:05	1.0	Surface	1	1	28.23	8.34	17.08	74.5	5.13	5.2	3.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:53:26	1.0	Surface	1	2	28.38	8.34	17.33	77.2	5.31	5.2	3.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:53:11	6.6	Middle	2	1	26.86	8.25	24.39	73.7	5.14	5.3	3.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:53:53	6.6	Middle	2	2	26.6	8.23	24.28	72.1	5.04	5.4	3.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:53:44	12.2	Bottom	3	1	25.21	8.15	31.56	70.7	5.01	5.4	7.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:52:58	12.2	Bottom	3	2	25.12	8.16	32.01	72.7	5.13	5.5	6.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS5	08:36:02	1.0	Surface	1	1	28.32	8.39	18.34	83.3	5.85	4.3	4.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS5	08:36:37	1.0	Surface	1	2	28.27	8.38	18.01	82.1	5.78	4.2	4.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS5	08:35:52	4.6	Middle	2	1	27.64	8.31	21.36	82.2	5.71	4.4	4.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS5	08:36:29	4.6	Middle	2	2	27.8	8.32	21.37	81.6	5.67	4.4	5.8

Water Quality Monitoring Data

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	2016-06-22	Mid-Flood	Sunny	IS5	08:36:21	8.2	Bottom	3	1	27.61	8.3	22.67	78.8	5.5	4.4	7.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS5	08:35:46	8.2	Bottom	3	2	27.57	8.3	22.79	79	5.52	4.5	5.6
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)6	08:27:55	1.0	Surface	1	1	28.56	8.39	17.66	105.7	7.43	4.5	4.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)6	08:28:03	1.0	Surface	1	2	28.55	8.39	17.74	105.7	7.43	4.5	4.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)6	08:27:59	2.5	Bottom	3	1	28.57	8.39	17.63	105.6	7.42	4.5	5.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)6	08:27:50	2.5	Bottom	3	2	28.58	8.38	17.63	105.6	7.42	4.6	4.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS7	08:18:35	1.0	Surface	1	1	28.33	8.27	17.53	86.2	6.08	5.3	4.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS7	08:18:42	1.0	Surface	1	2	28.34	8.27	17.53	86.1	6.08	5.3	4.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS7	08:18:31	2.4	Bottom	3	1	28.37	8.27	17.49	86.1	6.08	5.3	4.6
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS7	08:18:38	2.4	Bottom	3	2	28.37	8.27	17.48	86.1	6.08	5.3	4.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS8	08:01:37	1.0	Surface	1	1	28.22	8.26	18.03	82.5	5.82	6.5	4.6
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS8	08:01:02	1.0	Surface	1	2	28.13	8.26	18.24	82	5.79	6.4	4.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS8	08:00:54	2.4	Bottom	3	1	28.12	8.26	18.34	81.5	5.75	6.5	8.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS8	08:01:14	2.4	Bottom	3	2	28.1	8.26	18.38	80.9	5.7	6.5	7.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)9	08:13:45	1.0	Surface	1	1	28.32	8.27	17.55	87.5	6.18	5.5	4.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)9	08:13:53	1.0	Surface	1	2	28.32	8.27	17.54	87.1	6.15	5.5	4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)9	08:13:49	2.4	Bottom	3	1	28.32	8.27	17.53	86.9	6.14	5.5	5.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)9	08:13:41	2.4	Bottom	3	2	28.31	8.28	17.55	87.3	6.16	5.5	5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:48	1.0	Surface	1	1	28.14	8.3	13.12	72.4	5.7	8.9	4.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:16	1.0	Surface	1	2	28.01	8.28	13.09	72.5	5.71	9.2	4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:38	3.8	Middle	2	1	26.25	8.09	24.4	72	5.63	10.6	4.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:05	3.8	Middle	2	2	26.29	8.09	24.23	72.1	5.65	10.3	5.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:31	6.6	Bottom	3	1	26.24	8.08	24.55	71.9	5.61	12.1	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:21:59	6.6	Bottom	3	2	26.3	8.08	24.43	72	5.63	11.7	5.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR3	08:42:29	0.8	Middle	2	1	28.67	8.44	17.76	107.1	7.51	4.3	5.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR3	08:42:27	0.8	Middle	2	2	28.68	8.44	17.75	106.9	7.5	4.3	6.6
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR4	08:08:01	1.0	Surface	1	1	28.22	8.25	17.83	81.1	5.73	7.8	5.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR4	08:07:50	1.0	Surface	1	2	28.18	8.25	18.04	80.8	5.71	8	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR4	08:07:46	2.3	Bottom	3	1	28.2	8.25	17.97	80.8	5.71	8	5.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR4	08:07:54	2.3	Bottom	3	2	28.21	8.25	18.01	80.9	5.71	8	4.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR5	07:31:17	1.0	Surface	1	1	28.39	8.31	12.43	73.4	5.82	6.8	3.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR5	07:31:36	1.0	Surface	1	2	28.31	8.27	12.5	72.4	5.73	7	3.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR5	07:31:25	4.1	Bottom	3	1	26.81	8.07	22.66	73.5	5.79	8.8	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR5	07:30:49	4.1	Bottom	3	2	26.47	8.07	23.58	73	5.75	8.5	5.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:03:37	1.0	Surface	1	1	27.03	8.32	22.92	77.5	5.38	3.2	3.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:03:05	1.0	Surface	1	2	26.53	8.3	23.41	73.3	5.17	3	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:03:21	3.3	Middle	2	1	25.63	8.24	27.32	74.2	5.2	3.5	5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:02:57	3.3	Middle	2	2	25.58	8.24	26.98	73.1	5.07	3.3	5.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:03:15	5.5	Bottom	3	1	25.41	8.22	30.88	72.3	5.02	3.5	4.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:02:52	5.5	Bottom	3	2	25.57	8.23	30.86	72.3	5.02	3.4	5.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10B	06:57:05	1.0	Surface	1	1	26.86	8.31	24.15	76.1	5.31	3	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10B	06:57:23	1.0	Surface	1	2	26.79	8.31	23.68	75.7	5.3	3.2	5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10B	06:57:15	4.1	Bottom	3	1	26.09	8.26	27.81	75.3	5.21	3.3	3.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10B	06:56:56	4.1	Bottom	3	2	26.6	8.27	28.06	75.7	5.19	3	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:44:40	1.0	Surface	1	1	27.57	8.2	16.13	71.9	5.69	8	4.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:45:18	1.0	Surface	1	2	27.55	8.2	16.83	73.1	5.79	7.8	5.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:45:04	2.9	Middle	2	1	26.7	8.09	21.7	72.6	5.73	10.5	4.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:44:25	2.9	Middle	2	2	26.76	8.09	21.64	71.7	5.67	11	4.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:44:57	4.7	Bottom	3	1	26.66	8.07	22.56	73	5.77	9.9	4.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:44:11	4.7	Bottom	3	2	26.66	8.06	22.41	71.5	5.66	10.1	5.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:25:21	1.0	Surface	1	1	27.26	8.35	21.93	77.9	5.37	3.2	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:26:22	1.0	Surface	1	2	26.89	8.34	23.55	78.4	5.39	3.1	4.1

Water Quality Monitoring Data

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	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:26:04	6.6	Middle	2	1	24.33	8.24	32.29	77.4	5.38	3.3	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:24:55	6.6	Middle	2	2	24.82	8.25	30.65	72.7	5.1	3.3	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:25:55	12.1	Bottom	3	1	24.02	8.21	35.15	73.5	5.14	3.5	4.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:24:44	12.1	Bottom	3	2	24.01	8.2	35.11	72.1	5.01	3.3	5.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:06:13	1.0	Surface	1	1	28.82	8.34	19.13	85.1	5.91	7.5	7.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:06:51	1.0	Surface	1	2	28.7	8.33	19.34	84.3	5.86	8	7.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:05:57	4.3	Middle	2	1	27.87	8.32	20.75	78.1	5.46	9.2	7.8
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:06:33	4.3	Middle	2	2	27.71	8.31	20.82	77.9	5.46	10	6.7
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:06:27	7.5	Bottom	3	1	27.39	8.29	22.03	81.5	5.7	10.4	8.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:05:50	7.5	Bottom	3	2	27.82	8.32	21.25	80.4	5.61	9.4	7.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)6	14:16:36	1.0	Surface	1	1	29.44	8.43	18.8	114.6	7.89	6.4	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)6	14:16:24	1.0	Surface	1	2	29.5	8.42	18.73	114.9	7.9	6.2	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)6	14:16:30	2.3	Bottom	3	1	29.46	8.42	19	115.3	7.92	6.5	4.5
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)6	14:16:19	2.3	Bottom	3	2	29.54	8.42	18.92	115	7.89	6.3	5.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS7	14:25:29	1.0	Surface	1	1	29.25	8.49	18.2	118.3	8.19	5.3	3.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS7	14:25:13	1.0	Surface	1	2	28.94	8.47	18.46	111.6	7.76	5.8	3.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS7	14:25:19	2.4	Bottom	3	1	28.99	8.47	18.64	115.8	8.03	5.7	2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS7	14:25:06	2.4	Bottom	3	2	28.76	8.45	19.39	111.6	7.74	6.1	3.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS8	14:53:32	1.0	Surface	1	1	28.98	8.53	17.78	120.2	8.38	6	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS8	14:53:04	1.0	Surface	1	2	29.06	8.53	17.81	118.2	8.23	6.2	5.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS8	14:53:23	2.7	Bottom	3	1	28.77	8.48	19.7	121.3	8.4	7.5	5.5
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS8	14:52:48	2.7	Bottom	3	2	28.24	8.45	21.26	113.2	7.84	8.1	5.6
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)9	14:31:52	1.0	Surface	1	1	29.29	8.51	17.98	121.2	8.4	5.2	3.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)9	14:32:07	1.0	Surface	1	2	28.96	8.5	17.92	119.2	8.31	5.4	3.6
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)9	14:31:41	2.5	Bottom	3	1	29.4	8.5	18.62	119.5	8.24	5.4	3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)9	14:32:00	2.5	Bottom	3	2	28.95	8.5	18.85	122.7	8.51	5.5	2.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:43	1.0	Surface	1	1	28.66	8.15	17.86	79.9	5.67	3.3	2.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:18	1.0	Surface	1	2	29.21	8.16	19.79	80.2	5.69	3.4	2.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:04	5.4	Middle	2	1	28.19	8.1	18.07	80.2	5.66	3.7	2.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:36	5.4	Middle	2	2	28.25	8.11	19.78	78	5.6	3.6	2.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:28	9.7	Bottom	3	1	28.05	8.08	18.22	77.6	5.57	3.8	2.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:15:58	9.7	Bottom	3	2	28.16	8.05	19.5	79	5.61	3.7	2.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR3	13:54:11	0.8	Middle	2	1	28.82	8.41	18.14	89.6	6.25	6	4.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR3	13:54:03	0.8	Middle	2	2	28.65	8.41	18.08	85.9	6.02	6.2	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR4	14:41:23	1.0	Surface	1	1	28.72	8.49	17.94	110.8	7.75	7.1	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR4	14:41:36	1.0	Surface	1	2	28.84	8.49	17.93	111.7	7.8	6.6	4.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR4	14:41:30	2.8	Bottom	3	1	28.63	8.46	20.3	112.4	7.78	7.3	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR4	14:41:17	2.8	Bottom	3	2	28.52	8.46	20.96	113.8	7.86	7.7	4.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR5	15:03:43	1.0	Surface	1	1	29.09	8.14	18.95	85	6.06	3.4	2.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR5	15:04:09	1.0	Surface	1	2	29.24	8.13	17.75	85.4	6.01	3.3	2.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR5	15:03:56	4.3	Bottom	3	1	28.54	8.11	19.94	79.2	5.65	3.5	2.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR5	15:03:29	4.3	Bottom	3	2	28.45	8.11	17.35	78.2	5.58	3.6	2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:09:22	1.0	Surface	1	1	29.12	8.29	19.18	81.5	5.63	4.2	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:08:45	1.0	Surface	1	2	29.19	8.3	18.74	83.1	5.75	3.8	3.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:09:06	3.2	Middle	2	1	28.27	8.26	20.74	75.8	5.26	4.8	3.8
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:08:24	3.2	Middle	2	2	27.94	8.26	21.95	74.4	5.16	5	4.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:08:05	5.3	Bottom	3	1	26.47	8.2	26.38	74.8	5.19	4.9	4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:08:57	5.3	Bottom	3	2	26.55	8.2	26.28	78.9	5.47	4.6	4.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10B	16:20:28	1.0	Surface	1	1	28.78	8.27	19.77	81.4	5.63	4.2	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10B	16:20:03	1.0	Surface	1	2	28.96	8.28	19.76	82.5	5.69	4.1	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10B	16:19:47	4.3	Bottom	3	1	28.51	8.25	21.46	82.1	5.66	4.1	3.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10B	16:20:14	4.3	Bottom	3	2	28.26	8.25	22.18	81.4	5.61	4.2	3.8

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	2016-06-24	Mid-Ebb	Sunny	CS2	13:50:54	1.0	Surface	1	1	28.33	8.22	17.22	74.4	5.32	4.6	3.6
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:51:30	1.0	Surface	1	2	28.14	8.18	18.34	75.5	5.33	4.5	3.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:51:20	4.0	Middle	2	1	27.56	8.1	18.91	74.1	5.22	4.7	3.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:50:43	4.0	Middle	2	2	27.82	8.2	17.89	73.7	5.25	4.8	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:51:07	6.9	Bottom	3	1	27.34	8.05	21.75	73.3	5.17	4.9	2.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:50:31	6.9	Bottom	3	2	27.23	8.14	20.92	73	5.19	5.1	2.8
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:36:17	1.0	Surface	1	1	28.89	8.33	19.19	80.6	5.58	4.5	4.6
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:37:11	1.0	Surface	1	2	28.95	8.31	19.24	80.8	5.59	4.4	4.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:36:41	6.4	Middle	2	1	25.98	8.22	27.44	77.9	5.47	6.4	4.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:35:39	6.4	Middle	2	2	25.93	8.23	27.79	76.2	5.3	6.3	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:36:30	11.8	Bottom	3	1	25.8	8.2	29.55	76.5	5.27	5.5	5.5
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:35:31	11.8	Bottom	3	2	25.66	8.21	29.57	73.5	5.08	5.9	6.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:59:38	1.0	Surface	1	1	28.52	8.3	18.47	81.7	5.72	5.4	4.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:58:53	1.0	Surface	1	2	28.59	8.3	18.46	83.6	5.84	5.2	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:59:29	4.2	Middle	2	1	27.96	8.23	21.02	75.9	5.29	6.3	4.5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:58:43	4.2	Middle	2	2	27.97	8.23	21.39	76.5	5.32	6.3	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:59:21	7.3	Bottom	3	1	27.65	8.21	22.51	76.4	5.31	6.7	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:58:34	7.3	Bottom	3	2	27.7	8.21	22.39	77.7	5.4	6.7	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)6	09:46:52	1.0	Surface	1	1	28.3	8.18	18.25	77.9	5.48	7.4	5.2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)6	09:46:39	1.0	Surface	1	2	28.28	8.18	18.32	77.5	5.46	7.6	3.9
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)6	09:46:45	2.4	Bottom	3	1	28.21	8.16	19.25	77.7	5.45	7.7	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)6	09:46:30	2.4	Bottom	3	2	28.18	8.17	19.15	77.3	5.42	7.9	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS7	09:37:37	1.0	Surface	1	1	28.25	8.18	18.44	77.3	5.44	7.3	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS7	09:37:22	1.0	Surface	1	2	28.24	8.18	18.56	77	5.42	7.5	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS7	09:37:12	2.4	Bottom	3	1	28.16	8.17	19.69	76.8	5.38	7.9	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS7	09:37:29	2.4	Bottom	3	2	28.16	8.16	19.61	77.1	5.4	7.5	4.1
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS8	09:12:18	1.0	Surface	1	1	28.24	8.18	18.57	77.8	5.47	6.7	7.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS8	09:12:05	1.0	Surface	1	2	28.24	8.19	18.75	78.2	5.49	6.8	7.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS8	09:11:57	2.8	Bottom	3	1	28.24	8.18	19.3	78.8	5.51	6.8	7.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS8	09:12:10	2.8	Bottom	3	2	28.24	8.18	19.63	78.2	5.46	6.9	7.1
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)9	09:30:14	1.0	Surface	1	1	28.16	8.18	18.84	76.2	5.36	7.9	4.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)9	09:29:57	1.0	Surface	1	2	28.16	8.18	18.75	76.2	5.36	8	5.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)9	09:29:47	2.4	Bottom	3	1	28.08	8.16	20.12	76	5.31	7.4	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)9	09:30:04	2.4	Bottom	3	2	28.09	8.16	20.03	76.1	5.32	7.9	3.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:44:32	1.0	Surface	1	1	27.82	8.18	17.08	75.4	5.46	5	4.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:43:58	1.0	Surface	1	2	27.84	8.18	17	75.8	5.49	4.9	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:43:49	5.4	Middle	2	1	27.44	8.13	19.64	74.3	5.27	5	4.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:44:24	5.4	Middle	2	2	27.53	8.14	19.2	72.7	5.22	5.2	5.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:44:08	9.8	Bottom	3	1	27.47	8.12	20.53	71.7	5.12	5.3	5.1
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:43:33	9.8	Bottom	3	2	27.38	8.11	20.34	72	5.14	5.2	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR3	10:07:51	0.9	Middle	2	1	28.84	8.37	18.42	109.2	7.6	4.3	4.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR3	10:07:46	0.9	Middle	2	2	28.85	8.36	18.4	108.4	7.55	4.2	4.5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR4	09:20:35	1.0	Surface	1	1	28.31	8.18	18.34	77.8	5.47	6.3	5.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR4	09:20:21	1.0	Surface	1	2	28.32	8.18	18.33	77.5	5.45	6.2	6.1
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR4	09:20:27	2.7	Bottom	3	1	28.25	8.16	19.45	77.6	5.43	6.4	6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR4	09:20:12	2.7	Bottom	3	2	28.23	8.16	19.76	77.3	5.4	6.7	6.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR5	08:52:35	1.0	Surface	1	1	28.03	8.14	17.46	76.1	5.4	4.7	5.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR5	08:52:03	1.0	Surface	1	2	28.08	8.18	16.69	76.4	5.42	4.8	5.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR5	08:52:15	4.5	Bottom	3	1	28.29	8.18	16.56	73.5	5.24	5	6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR5	08:51:53	4.5	Bottom	3	2	27.55	8.11	19.87	73.9	5.21	5.1	4.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:52:24	1.0	Surface	1	1	27.29	8.03	22.74	74.3	5.34	2.7	3.5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:53:05	1.0	Surface	1	2	27.34	8.06	22.31	74.3	5.34	2.5	2.9

Water Quality Monitoring Data

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	2016-06-24	Mid-Flood	Sunny	SR10A	07:52:10	3.3	Middle	2	1	26.62	7.98	25.06	73.1	5.24	2.7	3.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:52:45	3.3	Middle	2	2	26.55	8.01	25.11	72.4	5.2	2.5	3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:52:36	5.6	Bottom	3	1	26.44	7.97	27	72.6	5.18	2.7	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:51:59	5.6	Bottom	3	2	26.84	7.94	27.07	74.2	5.25	2.7	2.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10B	07:36:46	1.0	Surface	1	1	27.96	7.94	19.93	80.3	5.78	2.6	2.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10B	07:37:03	1.0	Surface	1	2	27.67	7.95	20.17	79	5.7	2.5	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10B	07:36:54	4.2	Bottom	3	1	27.34	7.92	24.68	79.3	5.63	2.6	2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10B	07:36:34	4.2	Bottom	3	2	27.26	7.9	24.23	79.8	5.68	2.6	2.9
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:55	1.0	Surface	1	1	28.15	8.12	19.03	74.7	5.3	5.3	2.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:23	1.0	Surface	1	2	27.89	8.12	18.35	74.1	5.35	5.2	3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:46	4.0	Middle	2	1	27.82	8.1	18.17	72.9	5.13	5.5	4.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:15	4.0	Middle	2	2	27.41	8.08	19.11	72.8	5.17	5.6	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:33	7.0	Bottom	3	1	27.58	8.06	20.27	72.7	5.12	5.7	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:06	7.0	Bottom	3	2	27.34	8.05	20.85	72	5.13	5.8	4.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:31:08	1.0	Surface	1	1	27.91	8.2	19.73	76	5.49	3.3	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:30:19	1.0	Surface	1	2	27.88	8.19	19.67	75.1	5.29	3.3	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:30:40	6.7	Middle	2	1	25.02	8.05	32.05	72	5.1	3.9	3.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:30:03	6.7	Middle	2	2	25.58	8.04	29.97	74.3	5.38	3.5	3.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:30:30	12.4	Bottom	3	1	25.09	8.03	32.18	71.1	5.06	3.8	3.5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:29:52	12.4	Bottom	3	2	25.9	8.06	30.82	72.4	5.15	3.6	2.7
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:52:52	1.0	Surface	1	1	29.11	8.42	20.77	116.5	7.97	8.5	10
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:53:19	1.0	Surface	1	2	29.12	8.4	20.88	113.8	7.78	8.6	11.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:53:11	4.1	Middle	2	1	28.8	8.37	22.19	101.2	6.88	8.5	10.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:52:43	4.1	Middle	2	2	28.72	8.4	22.92	93.5	6.47	8.7	11.2
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:52:33	7.1	Bottom	3	1	28.12	8.42	24.3	85.7	5.87	8.5	10.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:53:02	7.1	Bottom	3	2	27.26	8.38	25.03	84.1	5.74	8.7	12
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)6	16:59:22	1.0	Surface	1	1	30.01	8.52	20.14	150.6	10.22	5.6	8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)6	16:59:07	1.0	Surface	1	2	29.99	8.51	20.16	152.6	10.35	5.8	8.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)6	16:59:13	2.2	Bottom	3	1	29.98	8.51	20.46	144.9	9.84	5.8	10.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)6	16:58:59	2.2	Bottom	3	2	30.01	8.5	20.3	139.9	9.49	5.8	8.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS7	17:06:33	1.0	Surface	1	1	29.92	8.54	20.14	148	10.06	5.9	9.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS7	17:06:48	1.0	Surface	1	2	29.98	8.55	20.18	149.8	10.17	5.8	9.7
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS7	17:06:38	2.2	Bottom	3	1	29.94	8.53	20.48	148.6	10.08	6	9.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS7	17:06:27	2.2	Bottom	3	2	29.91	8.53	20.89	149.3	10.11	5.8	9.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS8	17:29:00	1.0	Surface	1	1	28.85	8.34	20.88	124	8.47	14.5	9.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS8	17:29:24	1.0	Surface	1	2	29.48	8.39	20.34	124.3	8.51	14.3	9.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS8	17:29:09	3.0	Bottom	3	1	28.86	8.33	22	119.6	8.19	14.8	10
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS8	17:28:54	3.0	Bottom	3	2	28.74	8.34	21.91	116.5	7.97	14.3	11.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)9	17:15:51	1.0	Surface	1	1	29.44	8.44	20.28	147.6	10.07	8	8.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)9	17:16:08	1.0	Surface	1	2	29.56	8.44	20.2	149	10.15	7.9	8.6
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)9	17:15:45	2.6	Bottom	3	1	29.31	8.44	20.44	141	9.64	8.3	8.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)9	17:15:58	2.6	Bottom	3	2	29.45	8.44	20.31	142.1	9.71	7.9	8.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:41:07	1.0	Surface	1	1	30.52	8.45	14.91	101.7	7.02	4.3	4.2
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:42:06	1.0	Surface	1	2	28.95	8.37	16.69	99.5	6.89	4	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:40:51	5.3	Middle	2	1	27.25	8.24	22.84	81.6	5.7	5.3	4.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:41:43	5.3	Middle	2	2	27.36	8.26	22.35	78.5	5.49	5.3	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:40:44	9.5	Bottom	3	1	27.37	8.24	22.89	88.7	6.18	5	5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:41:30	9.5	Bottom	3	2	27.28	8.26	22.76	85.3	5.95	5.1	4.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR3	16:41:29	0.7	Middle	2	1	29.39	8.5	19.86	137.5	9.41	7.1	9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR3	16:41:23	0.7	Middle	2	2	29.43	8.51	19.74	138	9.45	7.1	9.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR4	17:23:33	1.0	Surface	1	1	29.17	8.43	20.42	144.8	9.87	13.4	10.2
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR4	17:23:52	1.0	Surface	1	2	29.07	8.41	20.54	136.4	9.33	13.6	10.8

Water Quality Monitoring Data

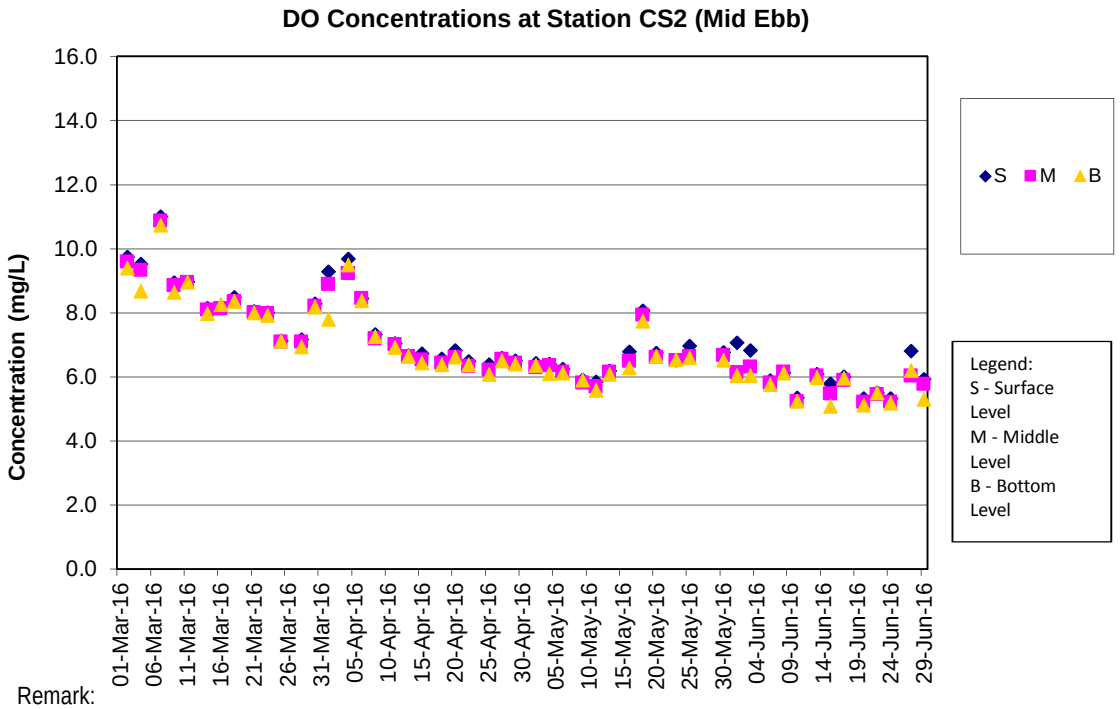
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR4	17:23:44	2.7	Bottom	3	1	28.8	8.39	21.77	130.9	8.98	13.5	12.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR4	17:23:26	2.7	Bottom	3	2	29.04	8.42	21.78	138.8	9.51	13.6	11.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR5	17:34:19	1.0	Surface	1	1	29.42	8.38	15.93	96.1	6.72	3	4.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR5	17:33:54	1.0	Surface	1	2	28.96	8.37	16.65	93.9	6.59	3	5.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR5	17:33:40	4.2	Bottom	3	1	28.02	8.3	21	92.9	6.47	2.8	4.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR5	17:34:05	4.2	Bottom	3	2	28.19	8.3	20.11	90.9	6.34	2.8	3.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:32:51	1.0	Surface	1	1	29.25	8.47	19.92	109.8	7.53	2.9	3.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:33:32	1.0	Surface	1	2	29.24	8.47	20.03	104	7.13	2.9	3.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:33:20	3.3	Middle	2	1	28.09	8.4	23.17	103.3	7.11	2.9	2.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:32:38	3.3	Middle	2	2	27.96	8.42	23.38	108	7.41	2.9	3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:32:30	5.5	Bottom	3	1	27.77	8.43	24.5	94.7	6.5	3.1	3.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:33:11	5.5	Bottom	3	2	26.78	8.36	26.11	100.4	6.94	3.1	3.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10B	18:41:41	1.0	Surface	1	1	28.93	8.44	20.53	104.2	7.16	3.1	2.6
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10B	18:41:58	1.0	Surface	1	2	29.12	8.46	20.25	108.2	7.42	2.9	3.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10B	18:41:47	4.1	Bottom	3	1	28.89	8.43	23.25	106.2	7.2	3	3.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10B	18:41:35	4.1	Bottom	3	2	27.89	8.43	23.68	105.8	7.28	3	2.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:23:05	1.0	Surface	1	1	29.9	8.32	15.04	97.1	6.77	3.2	4.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:23:47	1.0	Surface	1	2	29.99	8.34	15.02	98.3	6.84	3.3	4.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:22:53	3.9	Middle	2	1	27.84	8.2	19.89	85.5	6.01	3.2	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:23:34	3.9	Middle	2	2	27.8	8.2	20.36	86.6	6.07	3.5	4.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:23:26	6.7	Bottom	3	1	27.72	8.19	21.07	89.8	6.28	3.7	5.2
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:22:44	6.7	Bottom	3	2	27.74	8.18	21.06	87.6	6.13	3.5	3.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:05:54	1.0	Surface	1	1	29.32	8.47	19.66	89.4	6.14	4.5	4.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:06:44	1.0	Surface	1	2	29.3	8.46	19.47	89.4	6.14	4.5	4.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:05:42	6.3	Middle	2	1	26.84	8.37	27.16	84.8	5.8	4.7	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:06:31	6.3	Middle	2	2	27.3	8.37	26.36	81.5	5.6	4.7	4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:06:19	11.5	Bottom	3	1	25.37	8.31	31.3	76.9	5.26	4.7	4.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:05:16	11.5	Bottom	3	2	25.9	8.35	30.47	76.6	5.26	4.6	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:26:05	1.0	Surface	1	1	28.94	8.48	21.5	110.7	7.57	7.5	7.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:26:37	1.0	Surface	1	2	29.25	8.5	21.34	114.8	7.82	7.5	6.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:26:23	4.4	Middle	2	1	27.08	8.4	24.92	103.7	7.08	7.3	6.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:25:55	4.4	Middle	2	2	28.19	8.42	24.32	96.8	6.7	7.4	7.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:26:17	7.7	Bottom	3	1	26.65	8.4	27.67	80.4	5.51	7.4	7.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:25:45	7.7	Bottom	3	2	26.82	8.43	27.64	80.1	5.48	7.3	7.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)6	12:17:36	1.0	Surface	1	1	29.26	8.52	21.48	128.9	8.47	4.6	8.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)6	12:17:50	1.0	Surface	1	2	29.27	8.55	21.45	130.1	8.55	4.6	8.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)6	12:17:42	2.3	Bottom	3	1	29.25	8.53	21.53	123.5	8.11	4.6	8.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)6	12:17:29	2.3	Bottom	3	2	29.25	8.5	21.51	125.8	8.25	4.7	8.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS7	12:09:53	1.0	Surface	1	1	28.78	8.45	20.5	107.3	7.39	11.5	10.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS7	12:09:13	1.0	Surface	1	2	28.72	8.44	20.53	105.3	7.26	11.4	10.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS7	12:09:06	2.2	Bottom	3	1	28.69	8.42	21.86	103.9	7.12	11.5	12
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS7	12:09:43	2.2	Bottom	3	2	28.57	8.43	22.06	106.2	7.28	11.3	11.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS8	11:45:07	1.0	Surface	1	1	28.2	8.34	21.35	84.3	5.84	13.1	7
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS8	11:45:23	1.0	Surface	1	2	28.28	8.34	21.26	85.1	5.89	13.5	6.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS8	11:45:00	3.0	Bottom	3	1	28.08	8.34	22.28	84.3	5.82	13.3	7.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS8	11:45:14	3.0	Bottom	3	2	28.13	8.33	22.33	84.5	5.83	13.4	9.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)9	12:03:56	1.0	Surface	1	1	28.76	8.44	20.34	107.1	7.39	13.3	8.9
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)9	12:03:42	1.0	Surface	1	2	28.62	8.44	20.74	107.4	7.42	13.5	8.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)9	12:03:35	2.5	Bottom	3	1	28.58	8.41	22.11	106.3	7.28	13.7	9.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)9	12:03:48	2.5	Bottom	3	2	28.59	8.42	22.17	106.3	7.28	13.4	8.9
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:26:10	1.0	Surface	1	1	28.57	8.35	18.69	92.8	6.48	4.2	4.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:25:14	1.0	Surface	1	2	28.57	8.34	18.81	97.9	6.83	3.7	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	2016-06-27	Mid-Flood	Sunny	IS10	11:24:49	5.3	Middle	2	1	26.96	8.22	23.62	77.2	5.39	7.4	4.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:25:50	5.3	Middle	2	2	26.8	8.21	24.49	74.7	5.21	7.5	4.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:24:41	9.6	Bottom	3	1	26.78	8.21	24.66	81.1	5.65	7.2	6.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:25:37	9.6	Bottom	3	2	26.58	8.2	25.33	80.9	5.63	7.5	5.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR3	12:37:17	0.8	Middle	2	1	29.31	8.49	21.34	131.7	8.66	4.2	8.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR3	12:37:24	0.8	Middle	2	2	29.31	8.5	21.34	133	8.74	4.3	8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR4	11:51:53	1.0	Surface	1	1	28.47	8.35	20.64	89.9	6.22	11.3	7.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR4	11:51:35	1.0	Surface	1	2	28.54	8.35	20.65	89.5	6.19	11.6	7.7
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR4	11:51:25	2.8	Bottom	3	1	28.35	8.34	21.9	88.4	6.09	11.6	11.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR4	11:51:46	2.8	Bottom	3	2	28.23	8.33	22.25	89.4	6.16	11.4	10.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR5	11:33:11	1.0	Surface	1	1	28.35	8.34	18.65	96.5	6.77	3.3	3.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR5	11:32:51	1.0	Surface	1	2	28.43	8.35	18.74	96.2	6.74	3.2	3.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR5	11:33:01	3.9	Bottom	3	1	28.02	8.29	21.55	97.2	6.75	3.5	3.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR5	11:32:37	3.9	Bottom	3	2	27.74	8.28	21.23	93.4	6.52	3.4	3.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:09	1.0	Surface	1	1	27.97	8.25	21.49	86.1	5.89	2.6	3.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:30	1.0	Surface	1	2	27.82	8.25	21.52	85.1	5.83	2.7	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:01	3.4	Middle	2	1	27.49	8.21	24.19	84.7	5.85	2.6	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:24	3.4	Middle	2	2	27.38	8.21	24.31	83.7	5.77	2.6	3.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:16	5.7	Bottom	3	1	27.83	8.21	26.55	83.1	5.74	2.6	3.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:41:52	5.7	Bottom	3	2	27.7	8.19	26.35	83.6	5.77	2.7	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10B	10:32:34	1.0	Surface	1	1	28.01	8.18	21.54	86.5	6.01	2.8	3.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10B	10:32:19	1.0	Surface	1	2	27.99	8.16	21.75	86.1	5.97	2.8	3.7
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10B	10:32:26	4.0	Bottom	3	1	27.93	8.14	24.6	86.4	5.91	2.8	3.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10B	10:32:12	4.0	Bottom	3	2	27.92	8.12	24.73	85.8	5.86	2.7	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:46:35	1.0	Surface	1	1	28.74	8.29	17.15	80.1	5.63	5.4	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:45:58	1.0	Surface	1	2	28.37	8.25	18.79	79.7	5.58	5.4	3.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:46:20	3.9	Middle	2	1	27.04	8.16	23.28	73	5.1	9	3.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:45:41	3.9	Middle	2	2	26.99	8.16	23.35	72.5	5.07	9	3.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:45:34	6.8	Bottom	3	1	27	8.15	23.79	75.4	5.26	8.2	3.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:46:14	6.8	Bottom	3	2	27.04	8.15	23.59	75.2	5.24	8.5	3.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:12:56	1.0	Surface	1	1	28.63	8.34	20.67	83.3	5.75	3.4	2.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:12:07	1.0	Surface	1	2	28.6	8.33	20.68	82.5	5.7	3.4	2.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:12:37	6.3	Middle	2	1	26.38	8.23	28.2	73.9	5.06	3.4	2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:11:52	6.3	Middle	2	2	26.28	8.21	28.51	81	5.53	3.4	2.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:11:43	11.5	Bottom	3	1	24.95	8.18	33.83	73.5	5.05	3.4	2.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:12:25	11.5	Bottom	3	2	24.69	8.17	33.91	68.9	4.75	3.5	2.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:49:21	1.0	Surface	1	1	28.28	8.33	20.56	78.1	5.43	7.5	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:48:32	1.0	Surface	1	2	28.09	8.33	21.12	77.9	5.42	7.8	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:48:05	4.1	Middle	2	1	27.17	8.27	25.57	75.3	5.16	7.7	5.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:48:55	4.1	Middle	2	2	26.48	8.24	26.39	75.4	5.22	7.5	5.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:48:44	7.1	Bottom	3	1	26.01	8.23	28.44	71.4	4.93	7.6	4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:47:56	7.1	Bottom	3	2	25.95	8.24	28.63	73.5	5.08	7.8	4.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)6	09:36:27	1.0	Surface	1	1	28.61	8.38	20.7	88.4	6.1	5.8	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)6	09:36:50	1.0	Surface	1	2	28.65	8.37	21.47	89	6.11	5.9	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)6	09:36:16	2.1	Bottom	3	1	28.22	8.35	22.38	87.1	6	6	5
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)6	09:36:34	2.1	Bottom	3	2	28.28	8.35	22.86	88.2	6.05	5.9	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS7	09:26:39	1.0	Surface	1	1	28.71	8.43	18.57	101.6	7.09	2.8	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS7	09:26:24	1.0	Surface	1	2	28.64	8.42	18.6	100.8	7.04	2.8	2.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS7	09:26:30	2.2	Bottom	3	1	28.66	8.41	20.04	101.1	7	2.9	3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS7	09:26:19	2.2	Bottom	3	2	28.64	8.41	20.2	101	6.99	2.9	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS8	09:03:36	1.0	Surface	1	1	28.67	8.41	19.19	96.3	6.7	7.6	4.8
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS8	09:03:17	1.0	Surface	1	2	28.5	8.39	19.28	95.1	6.63	7.7	5.1

Water Quality Monitoring Data

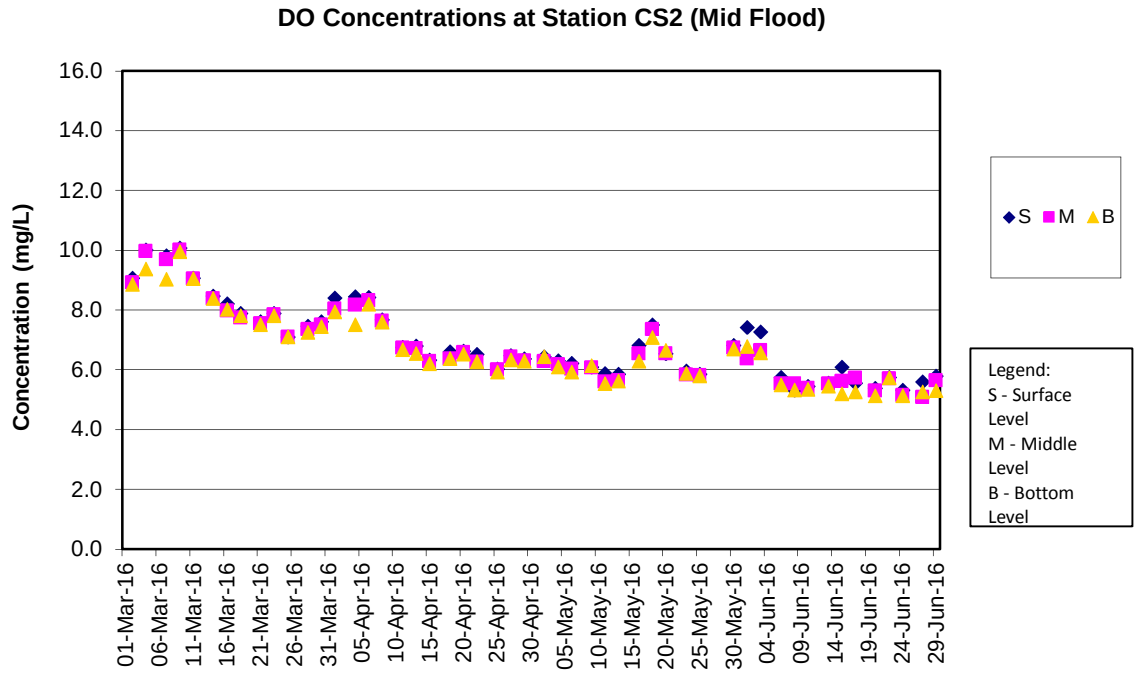
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS8	09:03:09	2.9	Bottom	3	1	28.53	8.36	22.72	96.2	6.58	7.7	4.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS8	09:03:23	2.9	Bottom	3	2	28.44	8.36	22.99	95.5	6.53	7.5	4.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)9	09:15:18	1.0	Surface	1	1	28.61	8.4	18.61	92.8	6.48	6.2	3.5
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)9	09:15:07	1.0	Surface	1	2	28.61	8.39	18.67	87.9	6.14	6.3	3.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)9	09:15:12	2.6	Bottom	3	1	28.64	8.39	20.4	90.6	6.26	6.1	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)9	09:15:00	2.6	Bottom	3	2	28.44	8.35	22.2	90.2	6.19	6.2	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:12:32	1.0	Surface	1	1	28.18	8.28	16.9	79.1	5.6	3	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:11:55	1.0	Surface	1	2	28.37	8.29	16.83	83.1	5.89	2.6	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:11:41	5.5	Middle	2	1	27.94	8.25	18.58	80.7	5.67	2.9	2.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:12:24	5.5	Middle	2	2	27.79	8.24	18.45	78.9	5.56	3	2.5
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:11:08	10.0	Bottom	3	1	27.52	8.2	20.87	76.9	5.43	3	2.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:12:14	10.0	Bottom	3	2	27.48	8.19	20.97	76	5.39	3.1	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR3	09:56:08	0.7	Middle	2	1	28.33	8.33	20.42	86.7	6.02	5.4	5.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR3	09:56:02	0.7	Middle	2	2	28.28	8.33	20.6	86.2	5.99	5.7	5.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR4	09:09:43	1.0	Surface	1	1	28.43	8.4	19.29	91.9	6.41	6.5	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR4	09:09:30	1.0	Surface	1	2	28.43	8.4	19.27	93.3	6.51	6.7	2.8
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR4	09:09:35	2.8	Bottom	3	1	28.42	8.36	23.75	93.3	6.35	6.8	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR4	09:09:24	2.8	Bottom	3	2	28.52	8.37	23.24	94	6.41	6.6	3.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR5	08:20:06	1.0	Surface	1	1	27.88	8.27	16.92	76.3	5.37	3	3.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR5	08:20:25	1.0	Surface	1	2	27.68	8.25	16.98	74.9	5.3	3	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR5	08:20:19	4.0	Bottom	3	1	27.5	8.2	21.24	74	5.25	3	2.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR5	08:19:55	4.0	Bottom	3	2	27.37	8.19	21.22	71	5.07	3.2	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:52:28	1.0	Surface	1	1	27.98	8.29	19.22	86.6	6.09	2.5	1.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:52:05	1.0	Surface	1	2	27.99	8.29	19.11	86.7	6.09	2.4	1.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:51:58	3.3	Middle	2	1	27.59	8.24	21.55	86.4	5.97	2.6	2.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:52:20	3.3	Middle	2	2	27.66	8.25	21.53	86.1	5.97	2.6	2.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:51:50	5.5	Bottom	3	1	27.77	8.21	24.97	85.4	5.93	2.6	2.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:52:12	5.5	Bottom	3	2	27.88	8.24	24.21	85.5	5.93	2.6	2.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10B	07:42:11	1.0	Surface	1	1	28.08	8.22	19.41	89.2	6.26	2.3	3.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10B	07:42:26	1.0	Surface	1	2	28.05	8.23	19.38	89.2	6.27	2.2	2.8
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10B	07:42:00	4.2	Bottom	3	1	27.85	8.17	21.84	89	6.18	2.3	3.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10B	07:42:17	4.2	Bottom	3	2	27.99	8.19	21.87	89.2	6.18	2.3	2.5
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:22:56	1.0	Surface	1	1	28.67	8.33	16.25	89.8	6.35	2.7	3.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:23:50	1.0	Surface	1	2	28.47	8.33	16.4	77.9	5.49	2.7	2.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:22:34	4.1	Middle	2	1	27.63	8.25	18.64	86.7	6.07	2.8	3.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:23:37	4.1	Middle	2	2	27.67	8.24	20.11	77.7	5.51	2.9	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:22:25	7.2	Bottom	3	1	27.01	8.18	22.98	78.4	5.57	3	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:23:24	7.2	Bottom	3	2	27.15	8.19	22.49	71.9	5.04	2.9	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:28:20	1.0	Surface	1	1	28.14	8.36	18.99	82.8	5.82	2.6	2.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:27:39	1.0	Surface	1	2	27.92	8.35	19.55	80.9	5.69	2.6	3.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:27:24	6.1	Middle	2	1	26.98	8.25	25.05	78.8	5.4	3.2	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:28:03	6.1	Middle	2	2	26.71	8.27	25.06	79.2	5.42	3	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:27:54	11.2	Bottom	3	1	25.93	8.21	30.26	77	5.36	3.1	2.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:27:16	11.2	Bottom	3	2	25.86	8.2	30.45	76	5.27	3.2	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS5	13:13:13	1.0	Surface	1	1	29.03	8.41	19.49	86.5	5.97	7.3	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS5	13:12:27	1.0	Surface	1	2	29	8.41	19.45	87.7	6.06	7.5	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS5	13:12:07	4.3	Middle	2	1	27.55	8.33	23.7	76.2	5.29	7.6	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS5	13:12:54	4.3	Middle	2	2	26.98	8.31	24.48	76.7	5.32	7.5	5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS5	13:11:58	7.6	Bottom	3	1	26.36	8.31	26.41	70	4.86	7.7	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS5	13:12:42	7.6	Bottom	3	2	26.35	8.3	26.56	70.2	4.89	7.5	5.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)6	13:21:28	1.0	Surface	1	1	29.13	8.48	19.24	111.8	7.72	3.3	4.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)6	13:21:40	1.0	Surface	1	2	29.12	8.48	19.27	112.3	7.75	3.1	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	2016-06-29	Mid-Flood	Sunny	IS(Mf)6	13:21:34	2.3	Bottom	3	1	29.12	8.48	19.28	111.1	7.67	3.2	5.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)6	13:21:22	2.3	Bottom	3	2	29.12	8.48	19.25	109.7	7.57	3.3	4.6
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS7	13:28:57	1.0	Surface	1	1	28.98	8.47	19.33	101.2	7	3.7	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS7	13:28:43	1.0	Surface	1	2	28.99	8.47	19.32	100.5	6.95	3.8	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS7	13:28:50	2.4	Bottom	3	1	28.89	8.45	20.8	102.1	7.01	3.8	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS7	13:28:34	2.4	Bottom	3	2	28.59	8.43	21.33	101.2	6.96	3.8	4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS8	13:49:46	1.0	Surface	1	1	28.76	8.47	20.62	100.1	6.9	8.5	9.9
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS8	13:50:02	1.0	Surface	1	2	28.68	8.47	20.69	100.1	6.91	8.4	9.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS8	13:49:37	3.1	Bottom	3	1	28.72	8.46	21.97	100	6.85	8.7	9.8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS8	13:49:54	3.1	Bottom	3	2	28.62	8.45	22.49	101.7	6.95	8.5	9.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)9	13:36:15	1.0	Surface	1	1	28.67	8.47	20.38	101.7	7.03	7.3	7.8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)9	13:36:27	1.0	Surface	1	2	28.68	8.47	20.35	102.2	7.06	7.2	8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)9	13:36:10	2.8	Bottom	3	1	28.71	8.47	20.5	101.8	7.03	7.2	10.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)9	13:36:21	2.8	Bottom	3	2	28.72	8.47	20.44	102.4	7.07	7.2	8.6
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:16	1.0	Surface	1	1	27.8	8.27	19.02	78.1	5.47	3	3.9
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:55	1.0	Surface	1	2	27.84	8.26	19.06	77.4	5.42	3	4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:46	5.6	Middle	2	1	27.19	8.21	21.75	74.8	5.28	3.1	4.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:07	5.6	Middle	2	2	27.05	8.2	22.29	77.4	5.46	3.2	4.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:04:57	10.1	Bottom	3	1	27.16	8.19	23	77.1	5.42	3.2	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:31	10.1	Bottom	3	2	27	8.19	23.2	71.6	5.04	3.3	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR3	13:00:56	0.7	Middle	2	1	28.99	8.43	18.43	105	7.29	4.2	6.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR3	13:01:02	0.7	Middle	2	2	29.01	8.44	18.46	105.7	7.34	4.2	5.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR4	13:41:35	1.0	Surface	1	1	28.58	8.47	20.7	99.2	6.85	9.3	11.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR4	13:41:48	1.0	Surface	1	2	28.64	8.47	20.67	99.1	6.84	9	10.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR4	13:41:28	2.7	Bottom	3	1	28.47	8.45	21.98	101.1	6.95	9.5	12.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR4	13:41:41	2.7	Bottom	3	2	28.58	8.46	21.95	99.5	6.83	9.3	11.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR5	13:58:50	1.0	Surface	1	1	27.82	8.28	19	77.2	5.37	3	4.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR5	13:59:21	1.0	Surface	1	2	27.76	8.27	19.02	75.7	5.35	3	5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR5	13:59:10	4.2	Bottom	3	1	27.02	8.2	22.69	75.4	5.29	3	5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR5	13:58:38	4.2	Bottom	3	2	27.4	8.22	22.97	74.1	5.24	3.1	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:07:20	1.0	Surface	1	1	27.57	8.38	22.82	81.7	5.62	3.1	5.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:06:51	1.0	Surface	1	2	27.59	8.38	22.92	82.1	5.69	3.2	5.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:06:37	3.3	Middle	2	1	27.23	8.36	24.26	81	5.55	3.2	3.8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:07:09	3.3	Middle	2	2	27.22	8.36	24.27	81	5.61	3.1	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:06:59	5.5	Bottom	3	1	27.18	8.35	26.09	78.7	5.46	3.3	4.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:06:29	5.5	Bottom	3	2	27.31	8.35	26.1	79.2	5.48	3.4	4.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10B	15:16:22	1.0	Surface	1	1	27.47	8.38	22.9	81.9	5.69	2.7	4.6
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10B	15:16:37	1.0	Surface	1	2	27.44	8.38	22.92	82	5.71	2.8	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10B	15:16:13	4.5	Bottom	3	1	27.37	8.36	25.5	81.8	5.62	2.8	3.8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10B	15:16:29	4.5	Bottom	3	2	27.41	8.36	24.92	82.5	5.68	2.8	3.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:48:07	1.0	Surface	1	1	28.46	8.18	17.71	88.4	6.17	3	3.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:48:49	1.0	Surface	1	2	27.74	8.17	19.52	76.4	5.39	3.2	3.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:47:37	4.1	Middle	2	1	27.5	8.06	20.83	84.4	5.94	3.1	4.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:48:40	4.1	Middle	2	2	27.14	8.11	21.63	76.3	5.33	3.3	4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:46:30	7.1	Bottom	3	1	26.92	7.73	23.7	75.3	5.29	3.3	3.9
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:48:29	7.1	Bottom	3	2	27.03	8.07	23.4	75.6	5.32	3.3	3.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:34:03	1.0	Surface	1	1	27.57	8.4	22.95	80.8	5.61	3.4	3.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:33:12	1.0	Surface	1	2	27.65	8.41	22.73	79.3	5.5	3.3	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:33:33	6.2	Middle	2	1	26.23	8.32	27.33	76.4	5.28	3.5	3.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:32:48	6.2	Middle	2	2	26.27	8.33	27.05	73.8	5.11	3.5	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:32:41	11.4	Bottom	3	1	24.74	8.3	32.8	72.9	5.02	3.5	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:33:25	11.4	Bottom	3	2	24.7	8.29	33.14	73.9	5.08	3.6	3.1



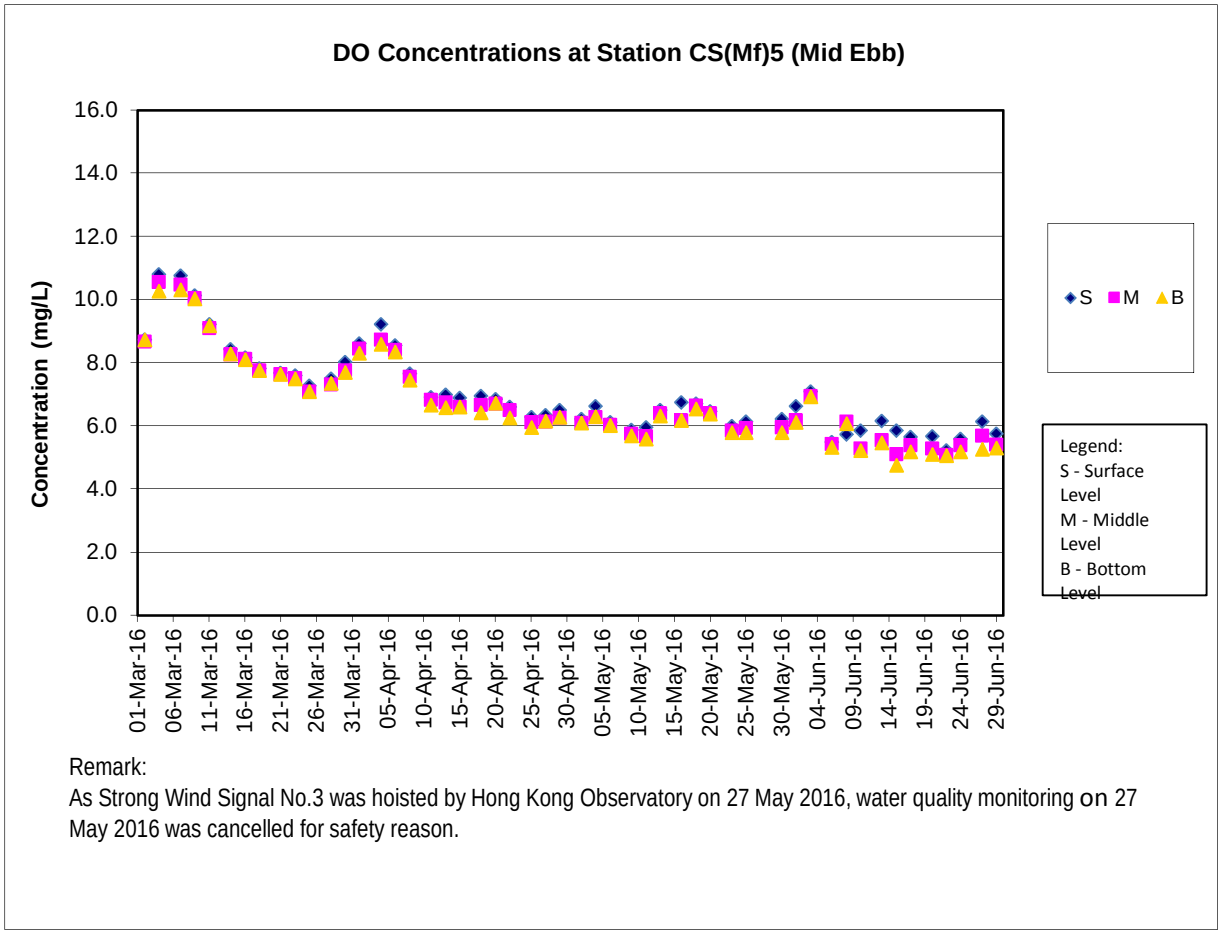
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

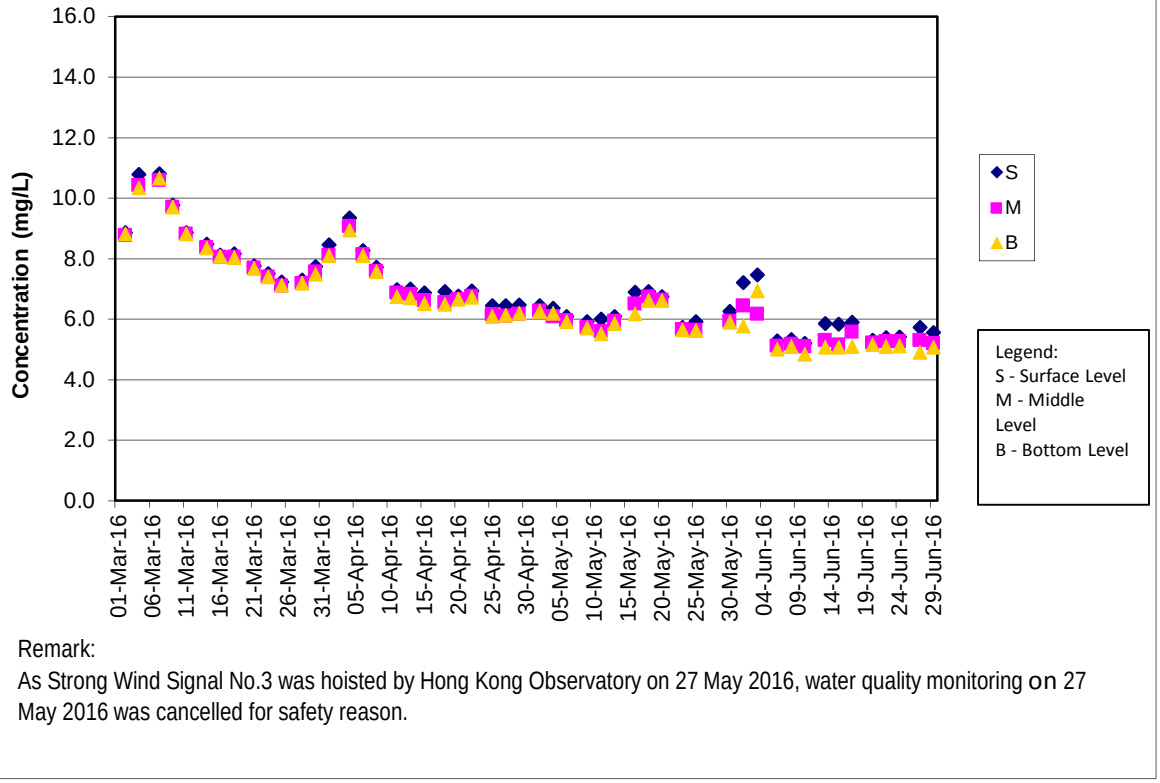


Remark:

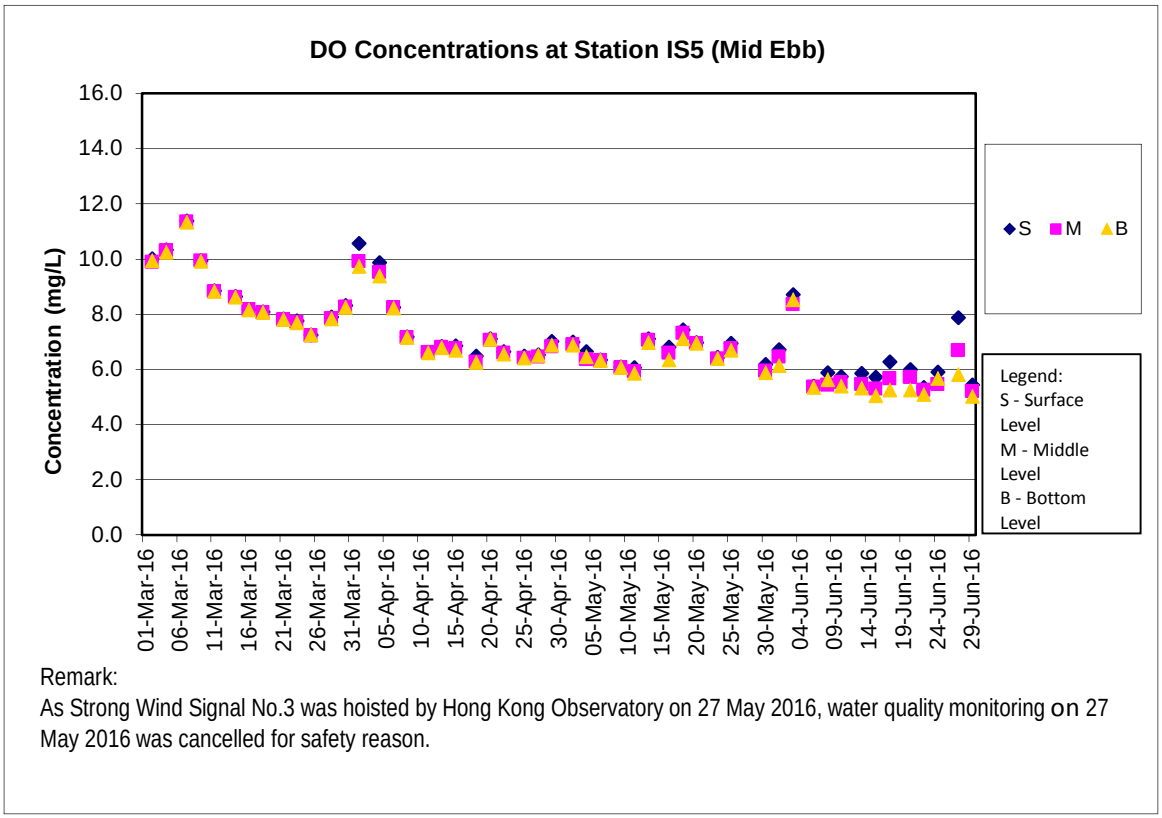
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

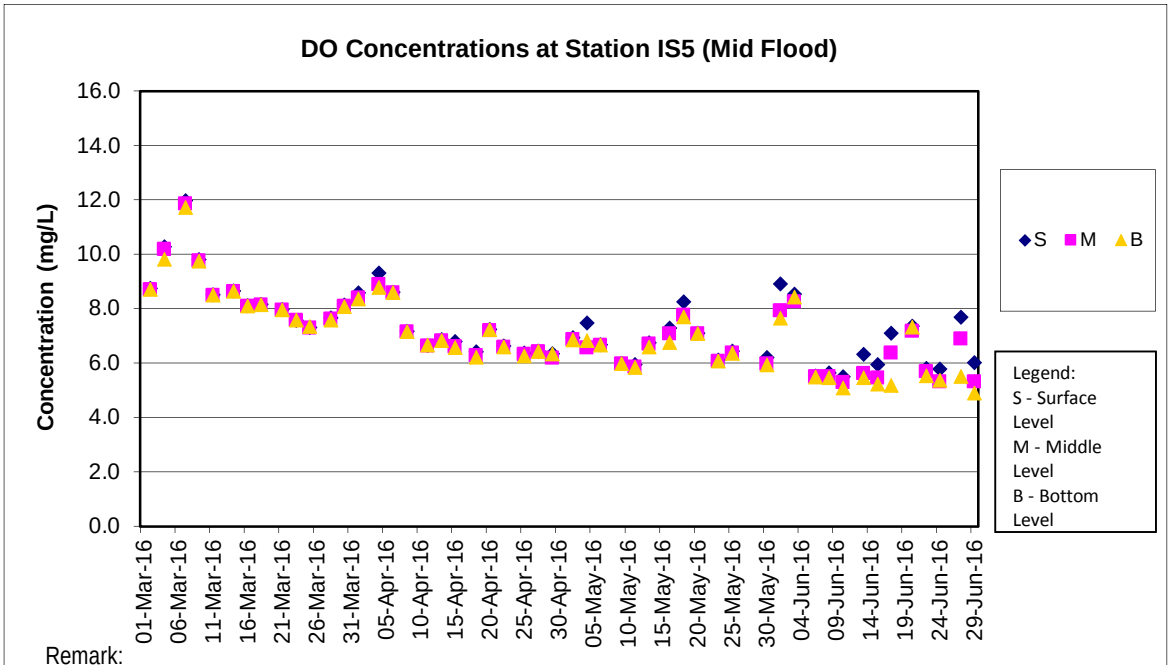


Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



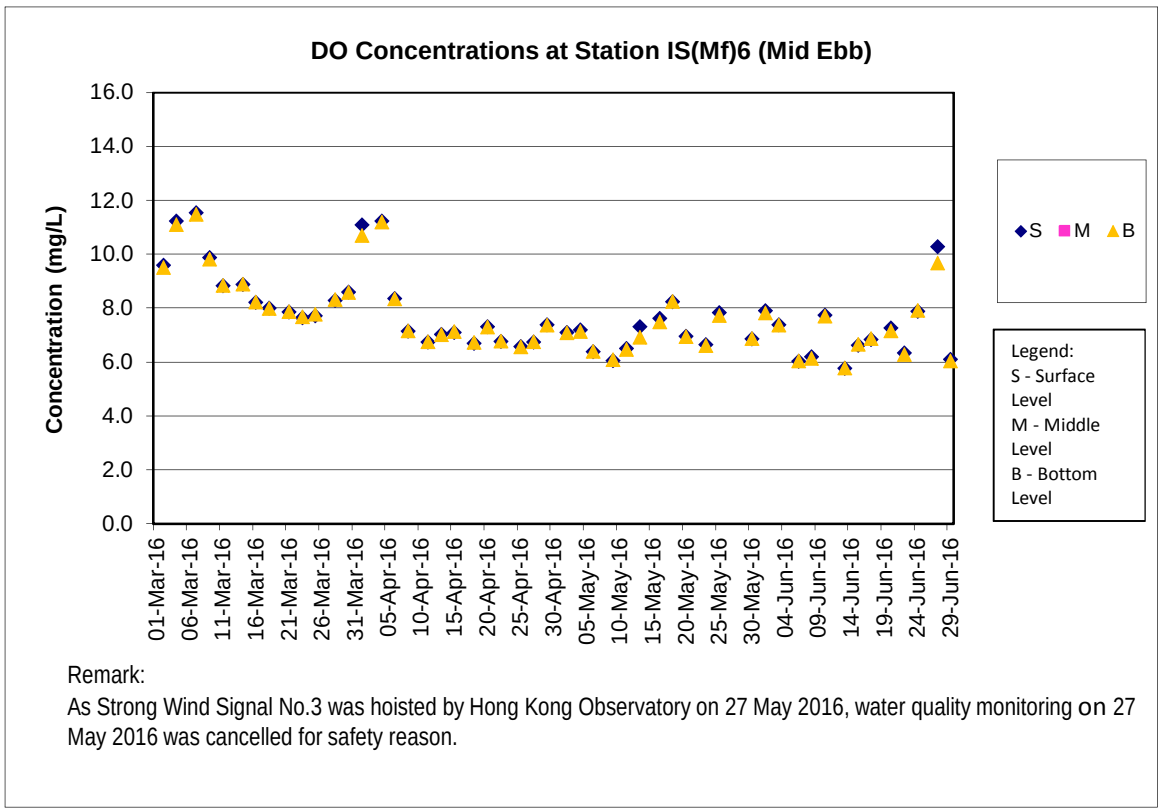
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



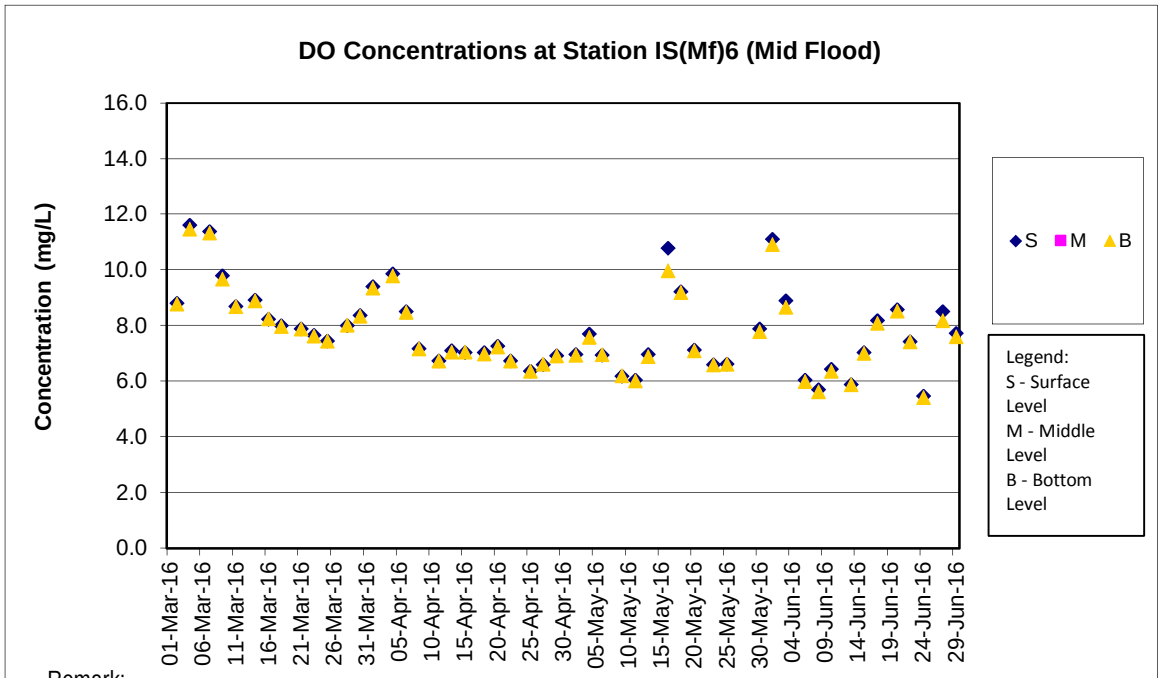
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



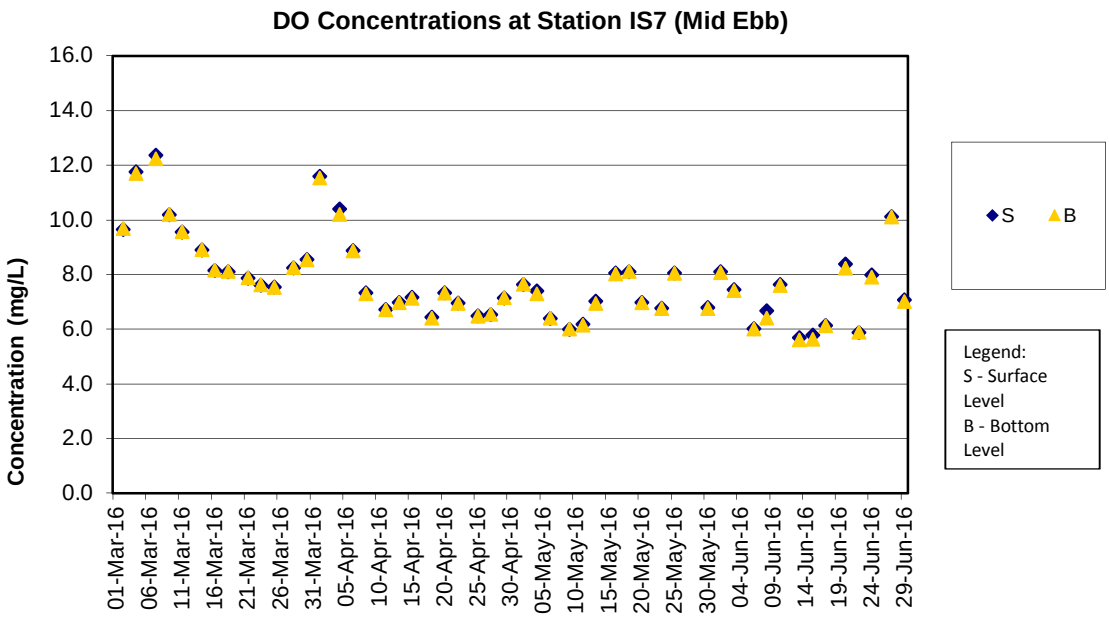
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



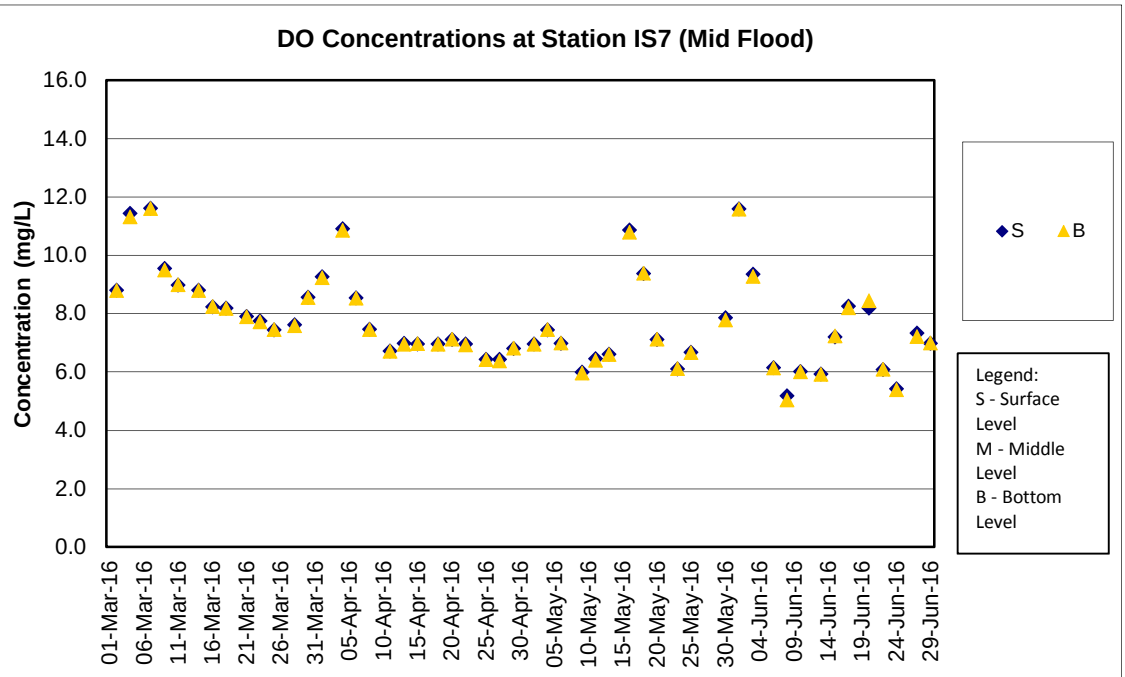
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



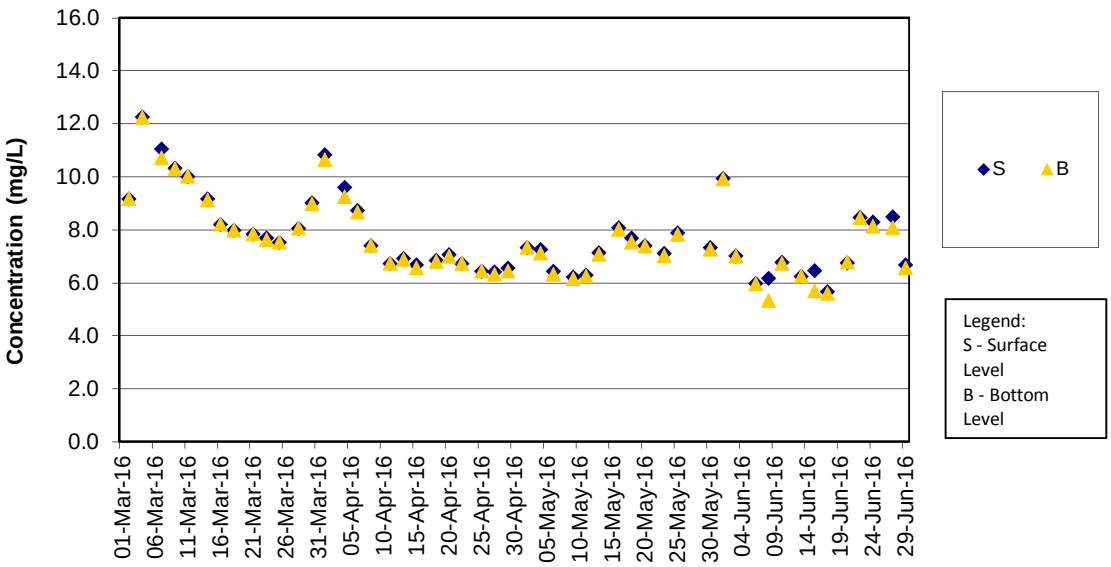
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



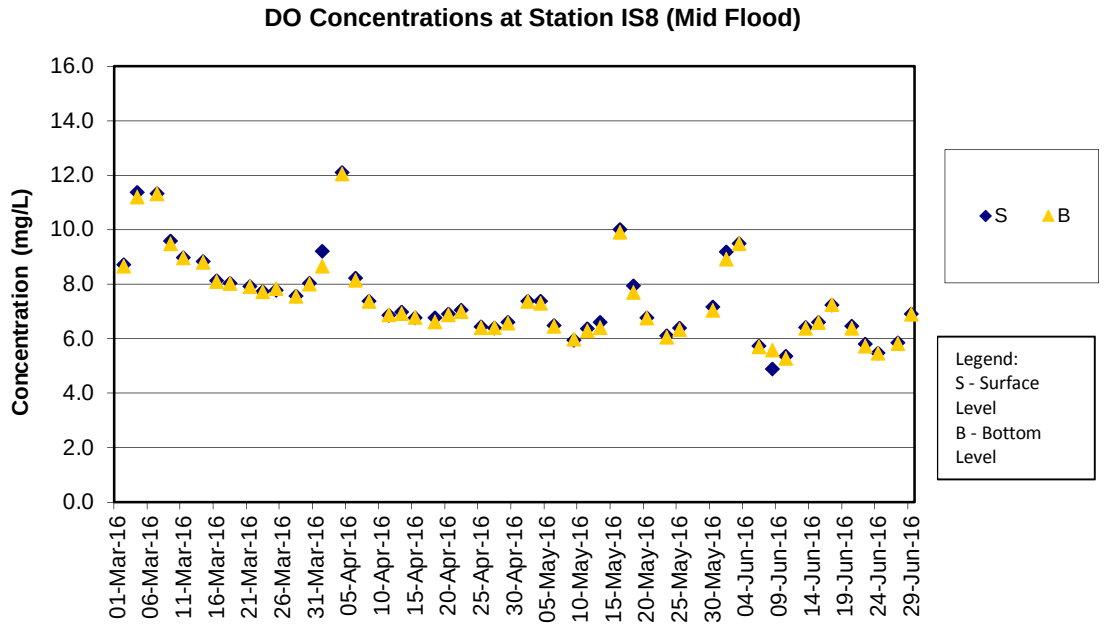
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



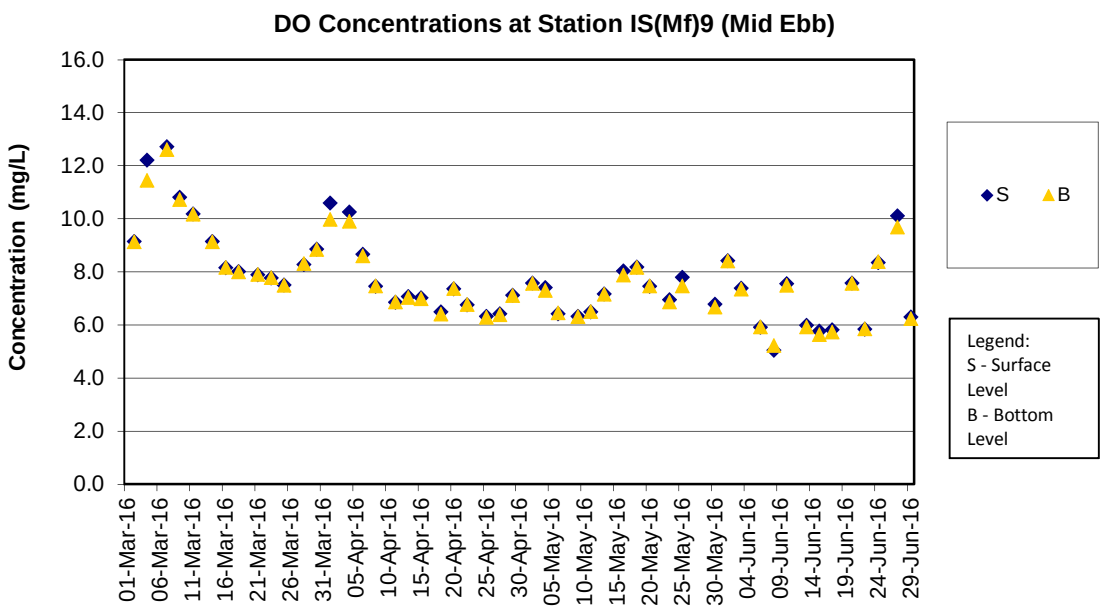
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



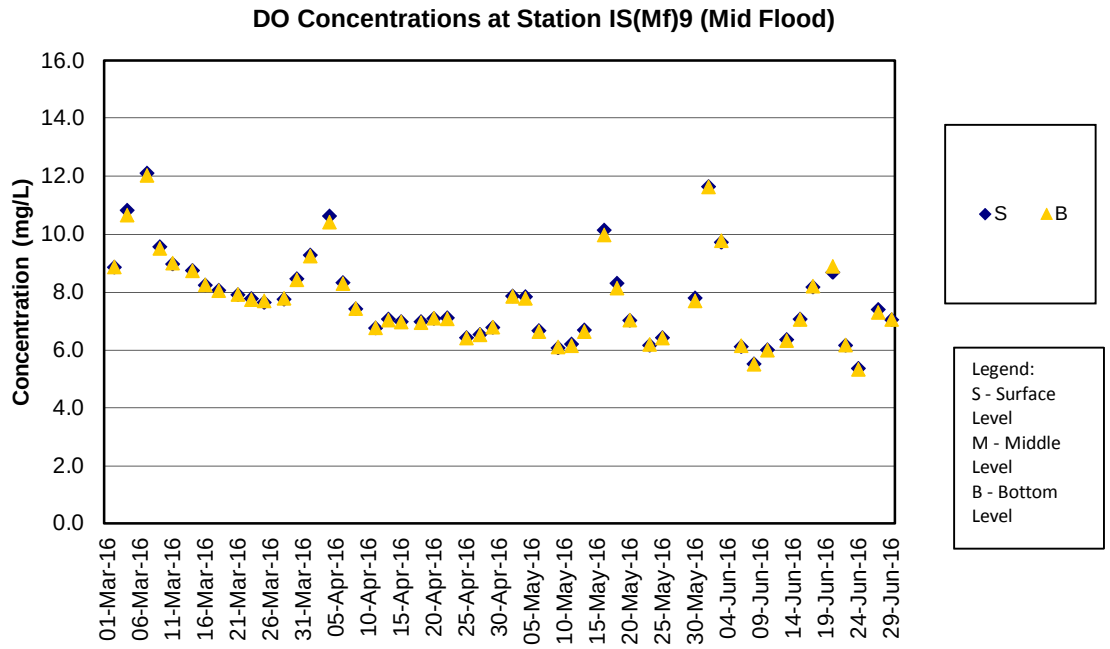
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



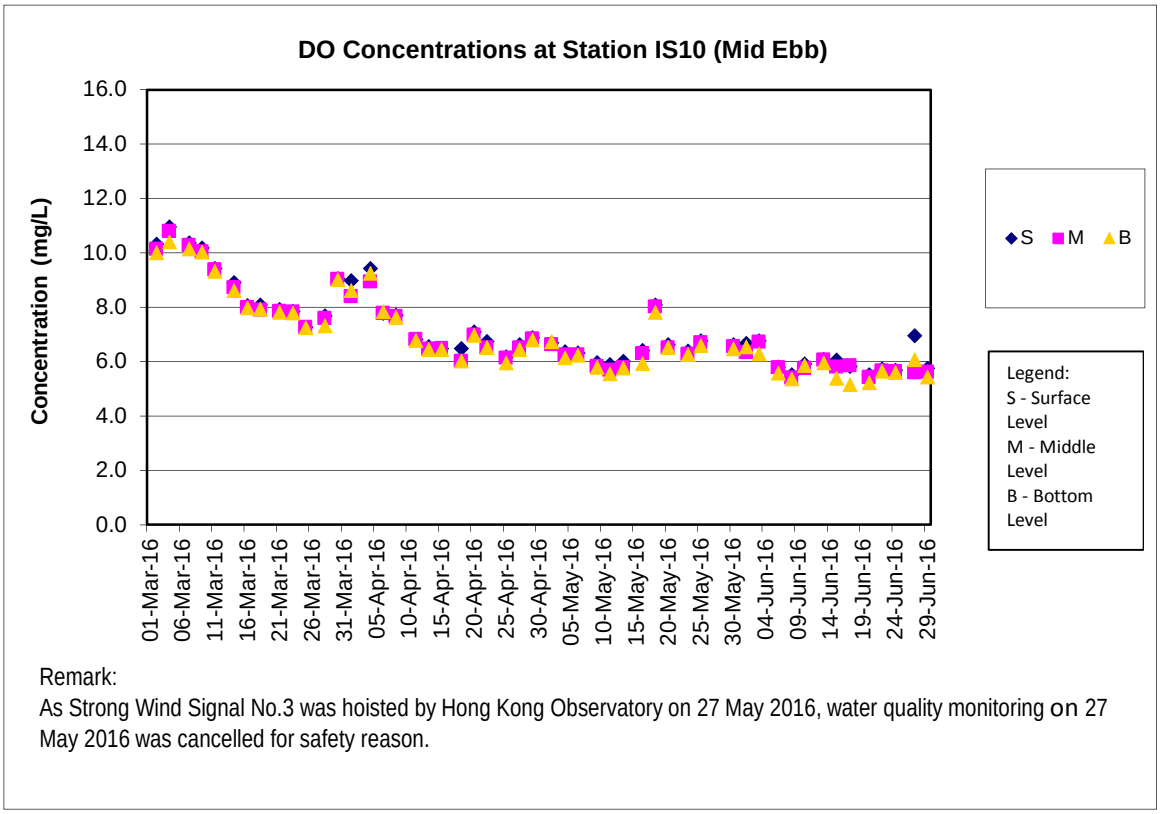
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

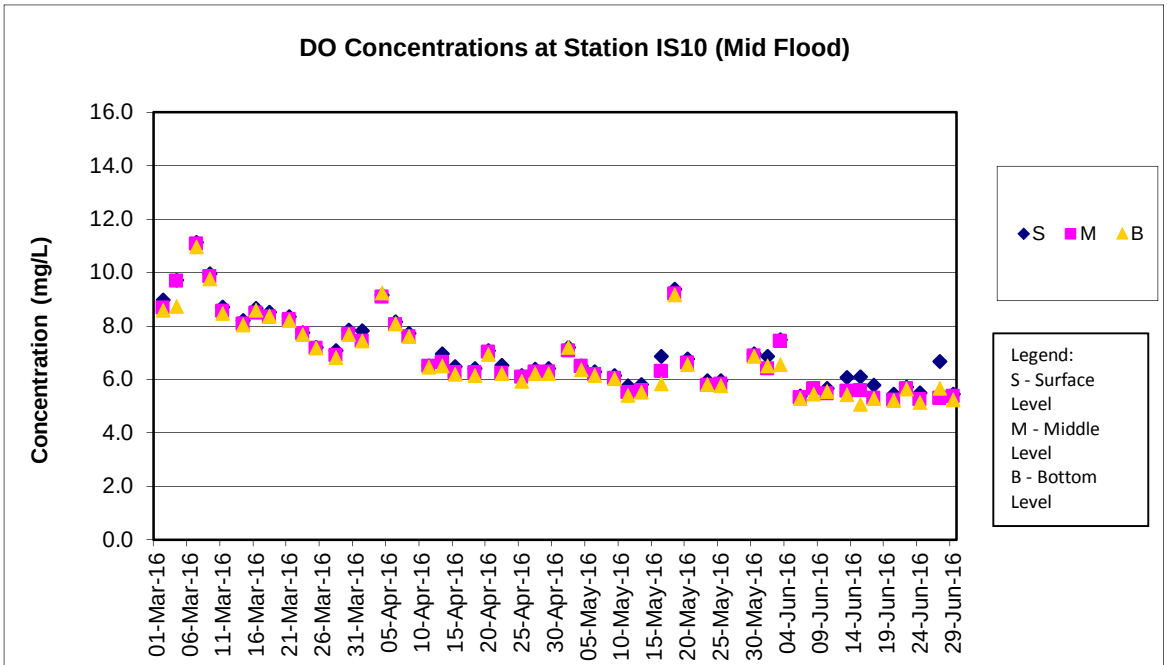


Remark:

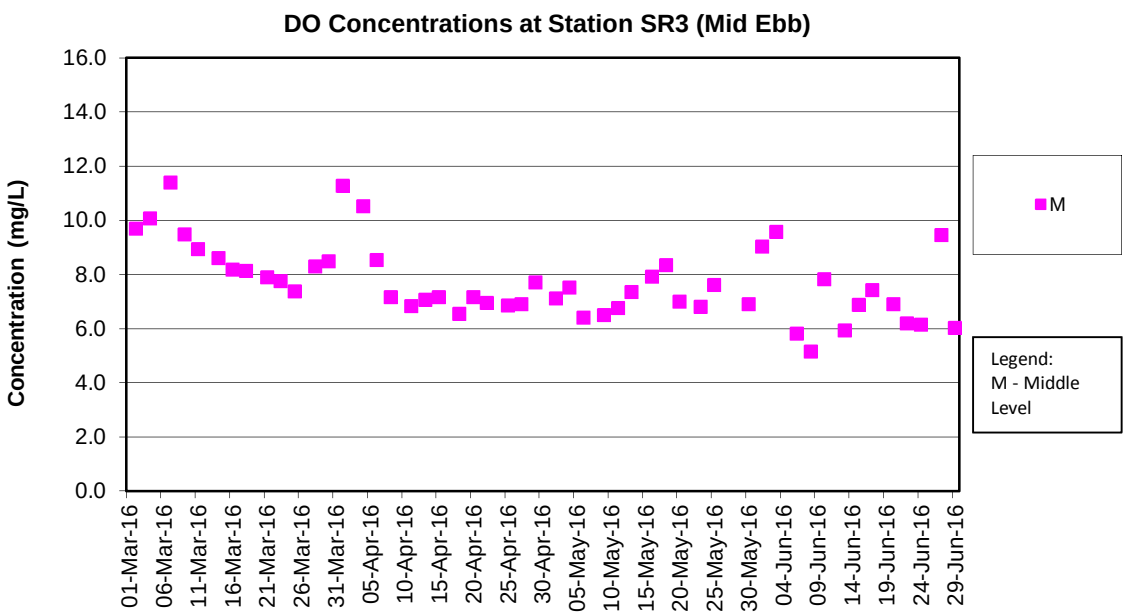
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



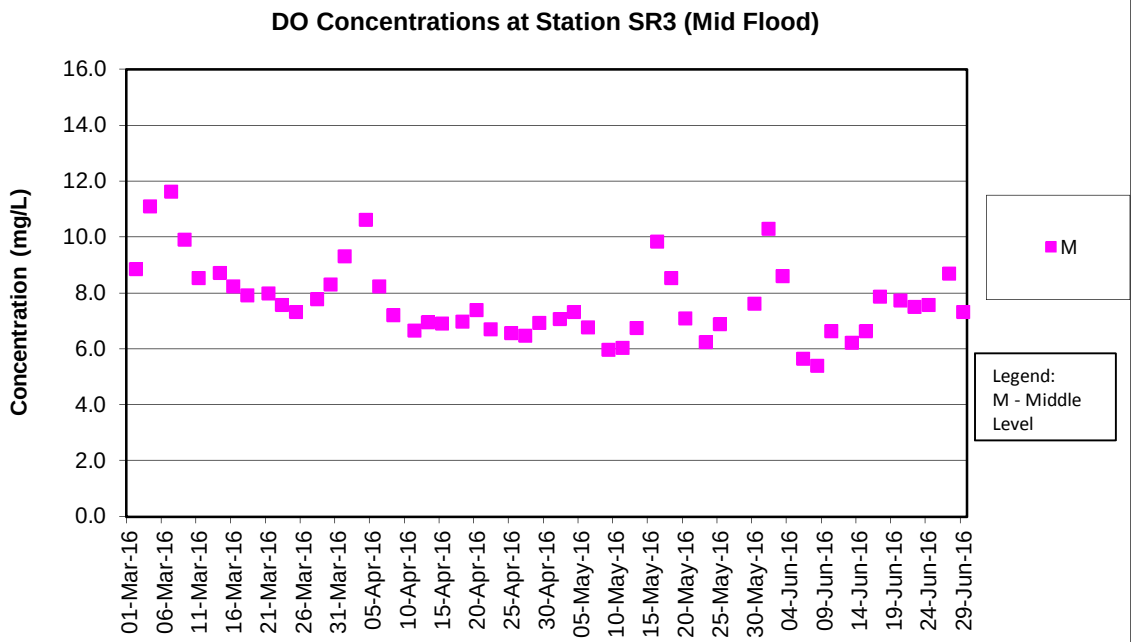
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



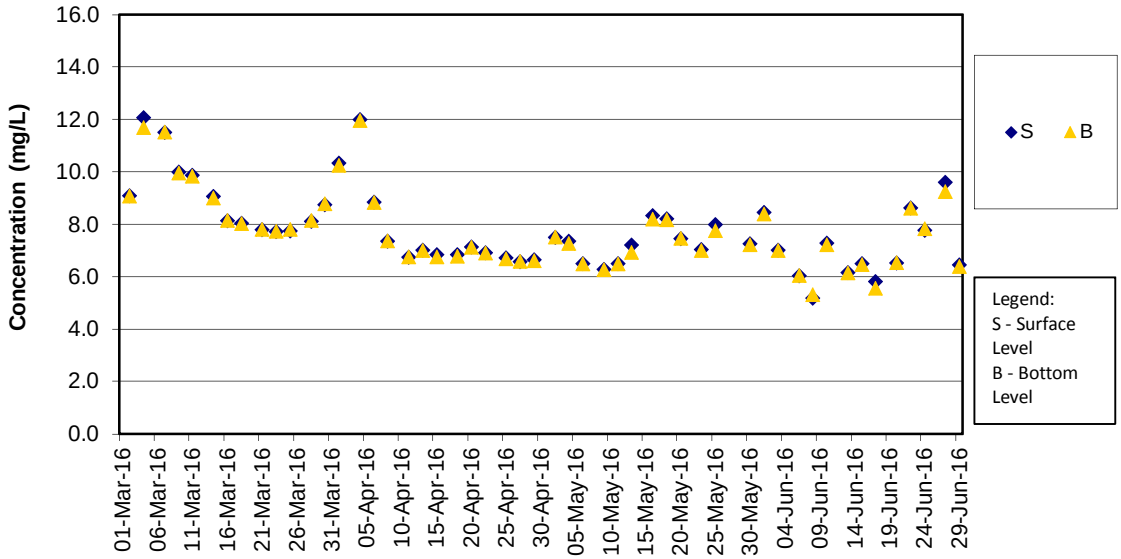
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

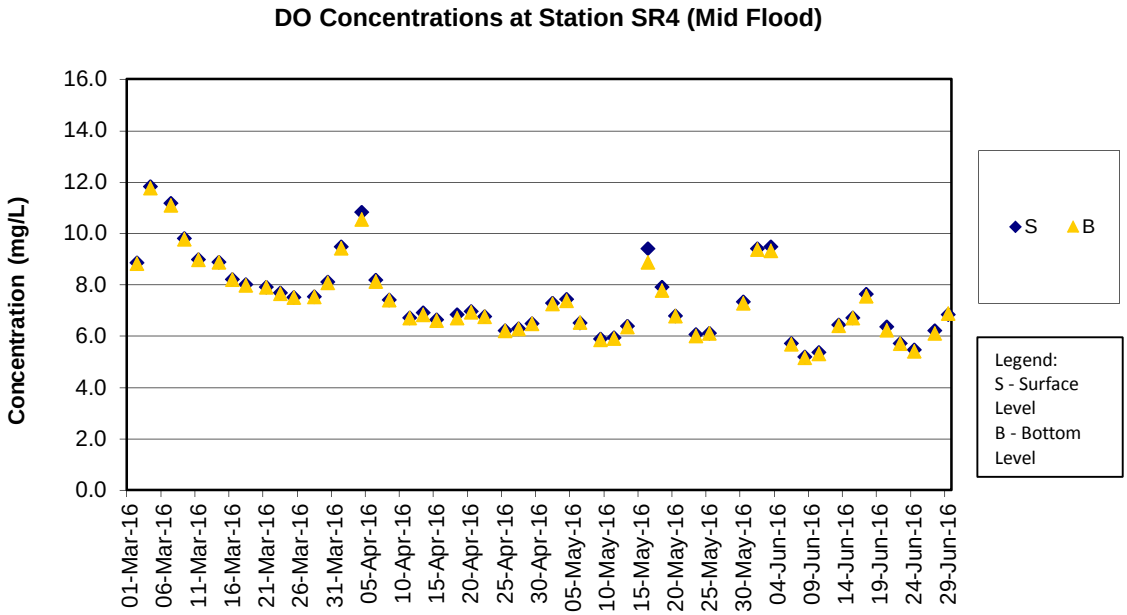


Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



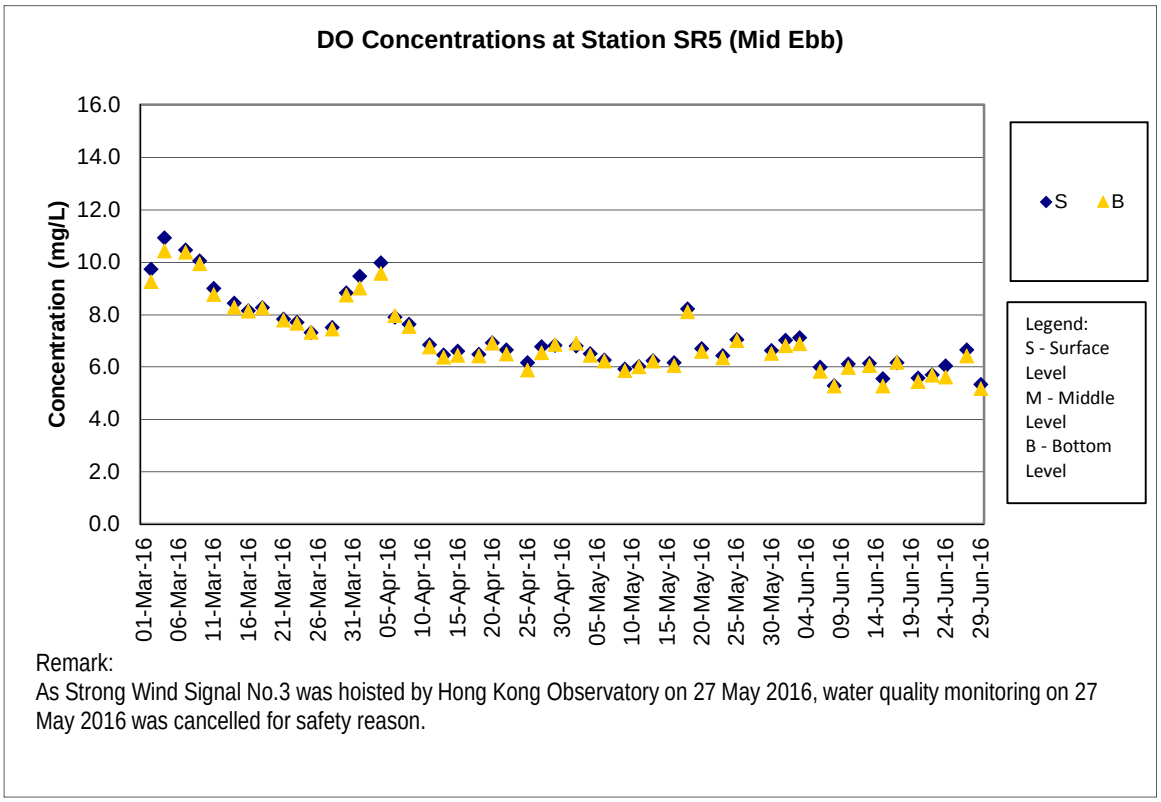
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

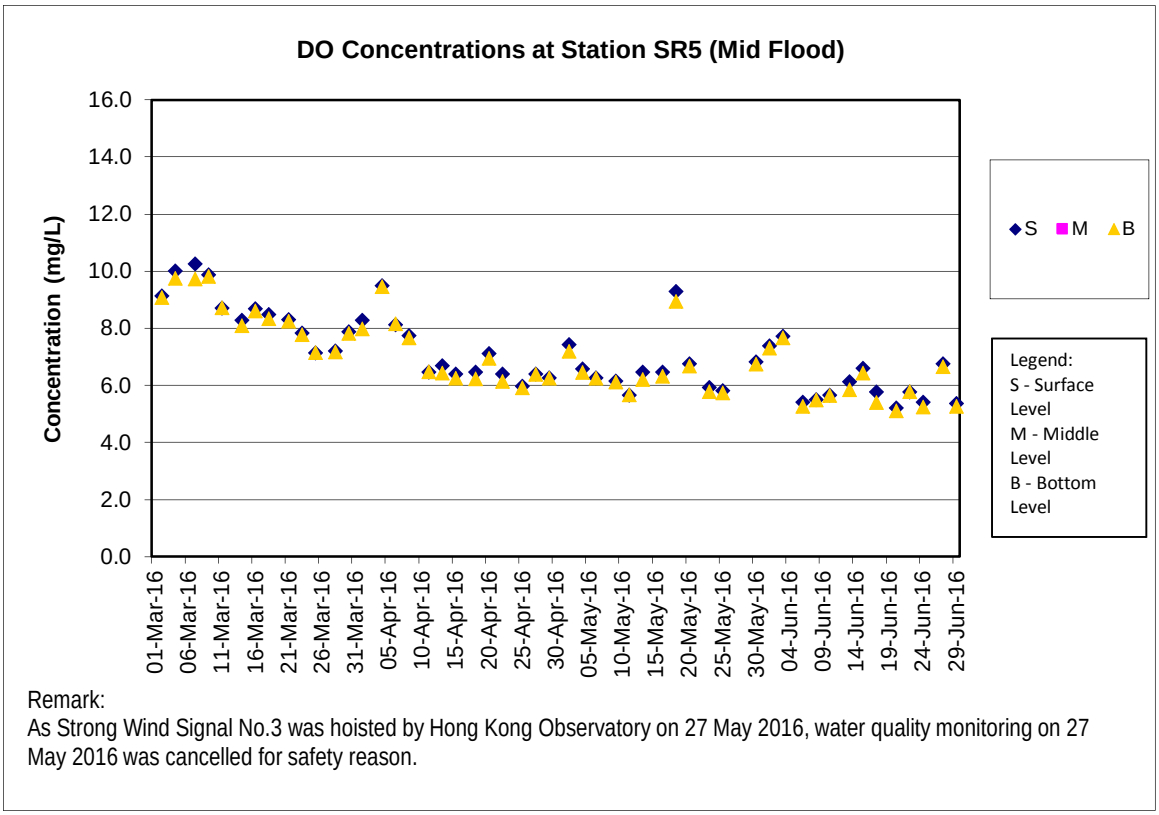


Remark:

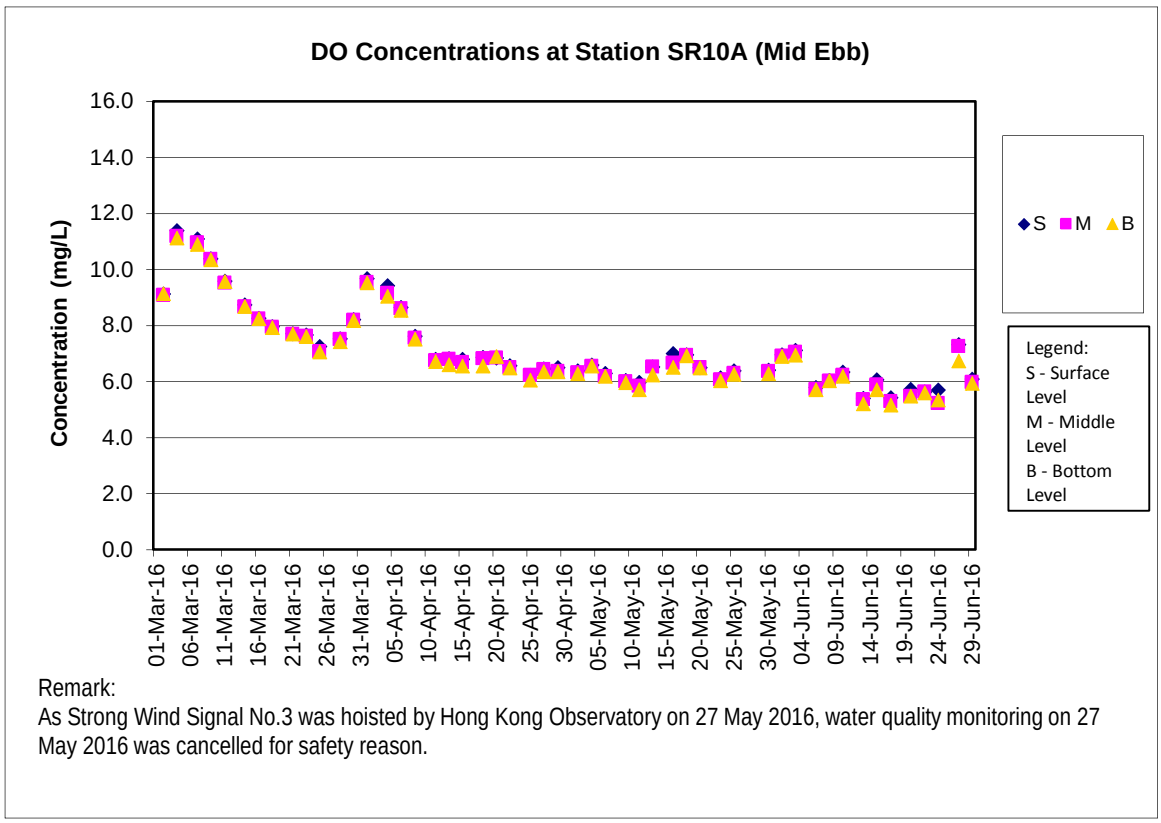
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



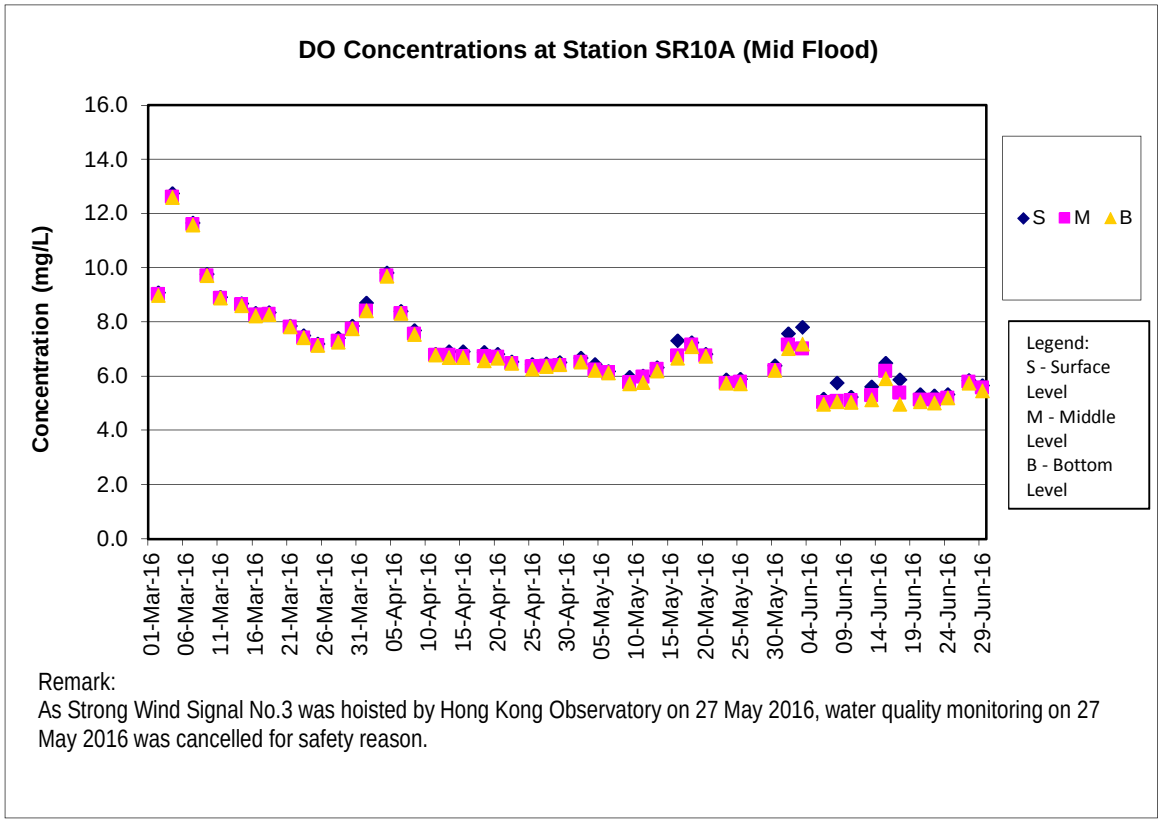
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



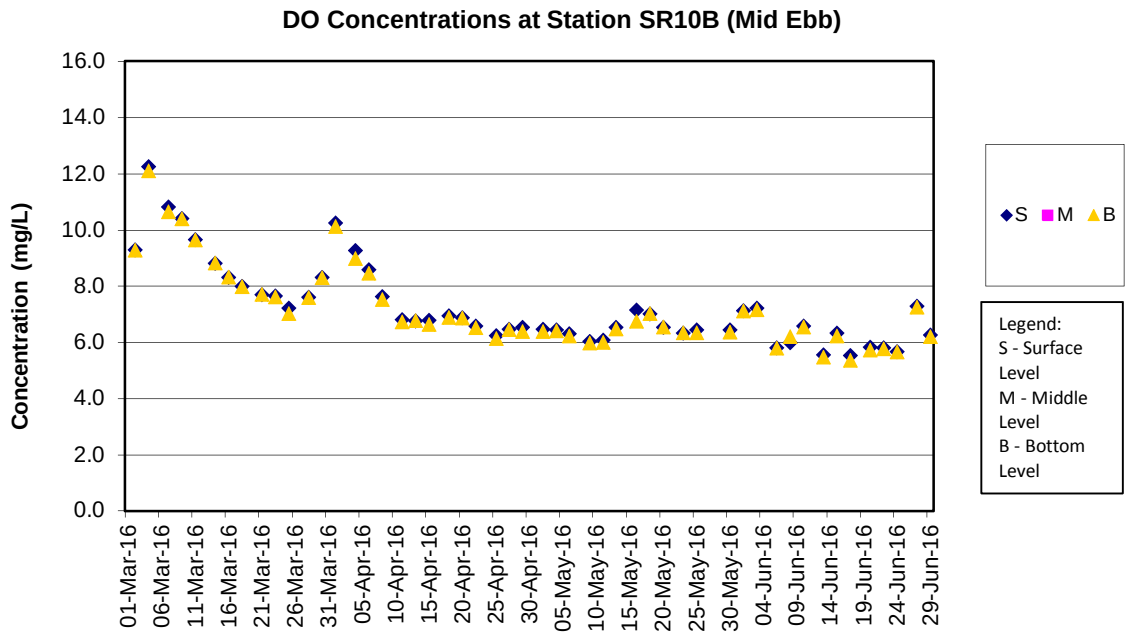
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



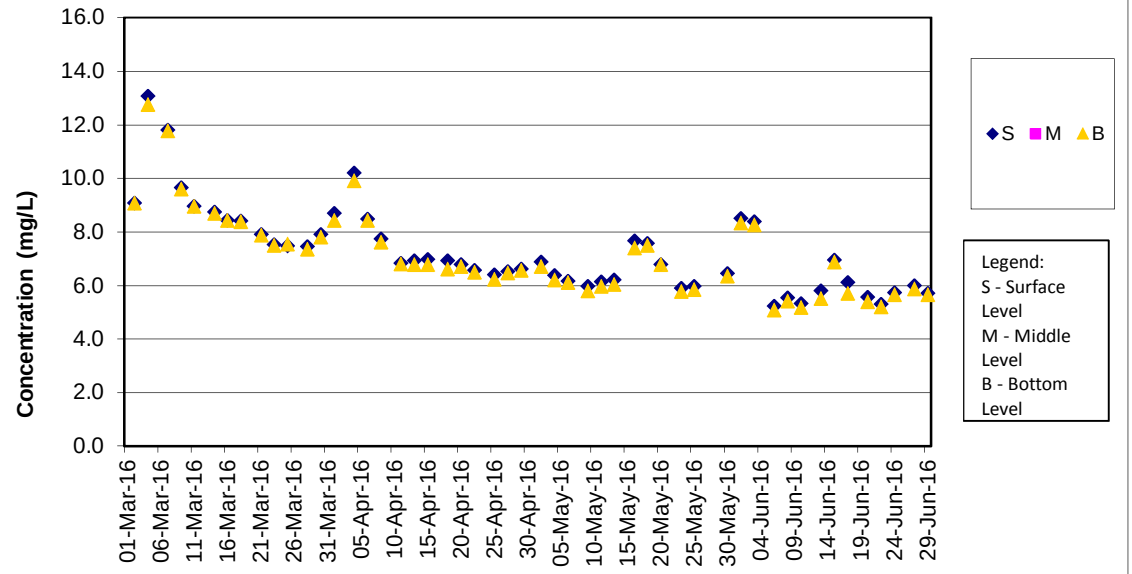
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



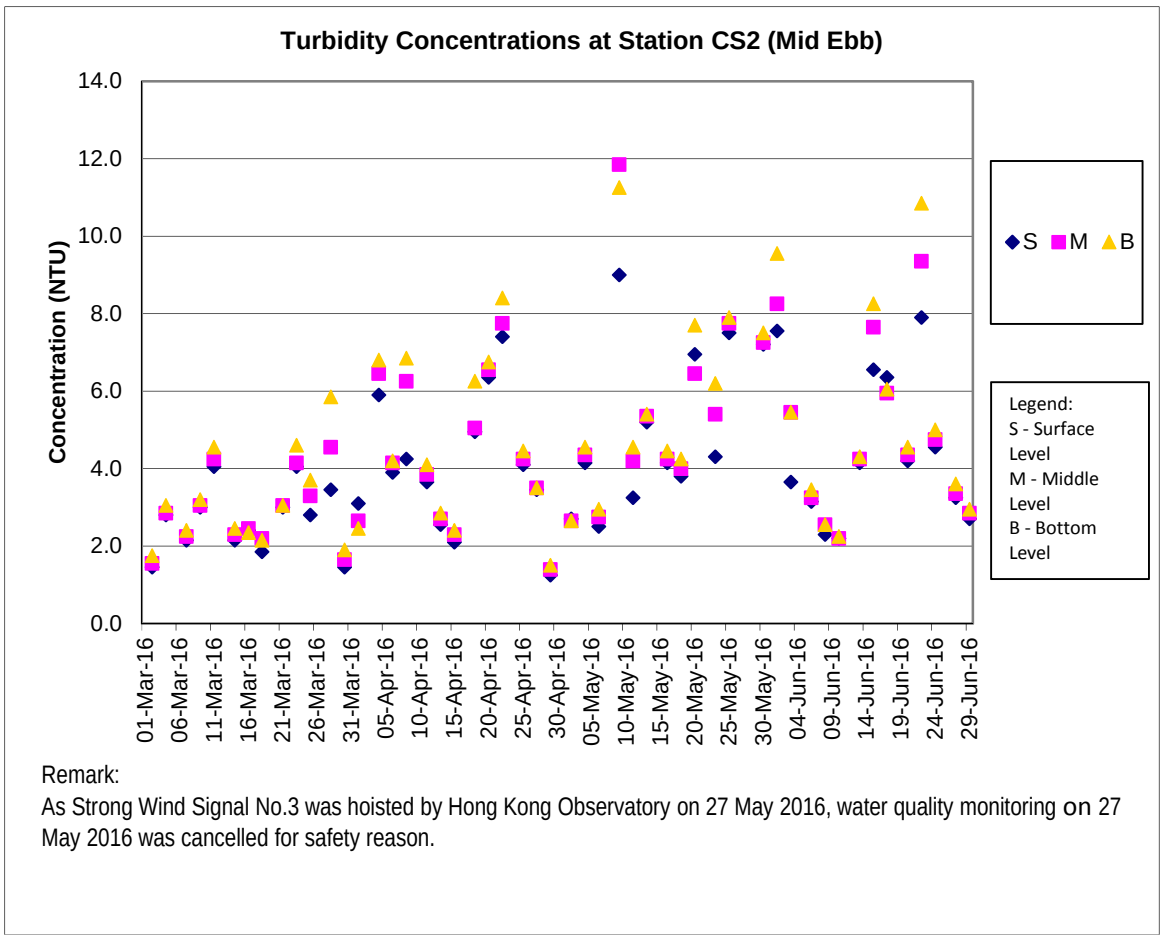
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

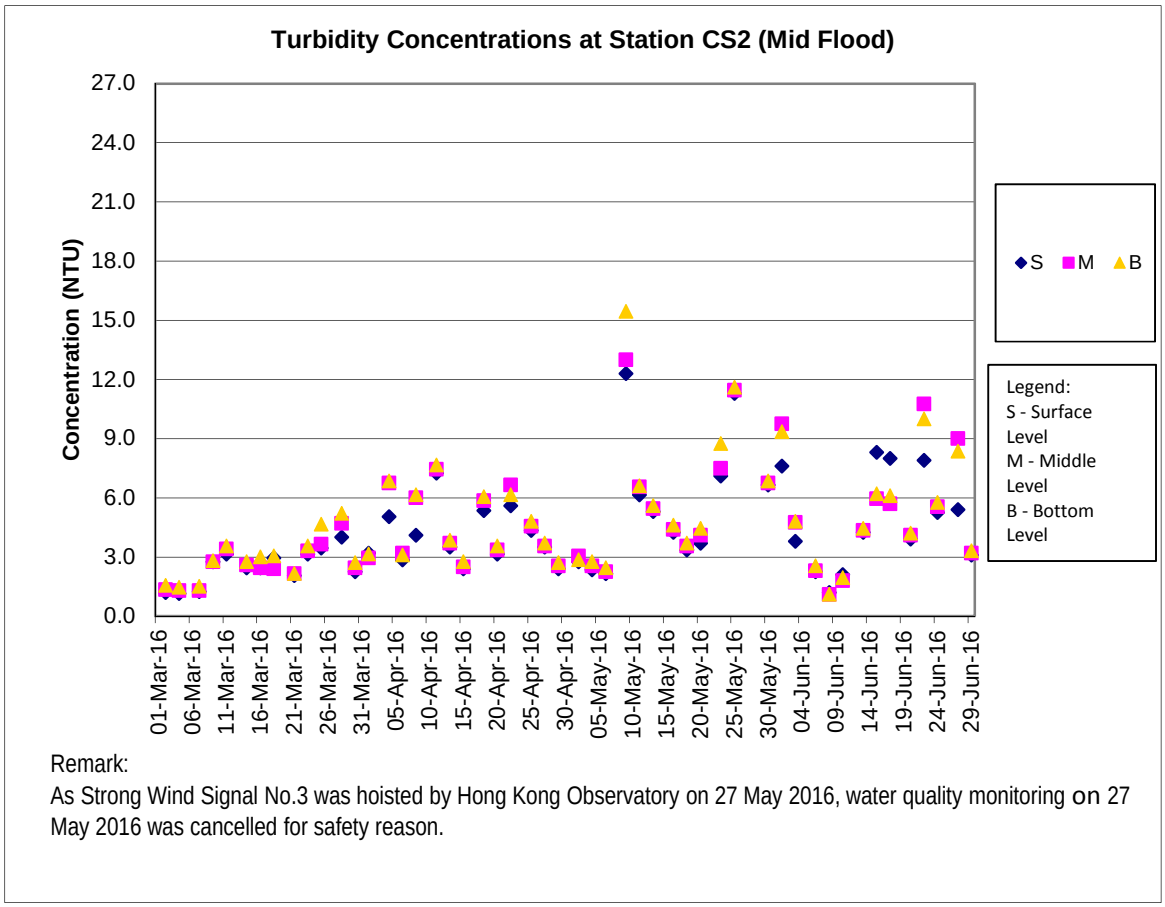


Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



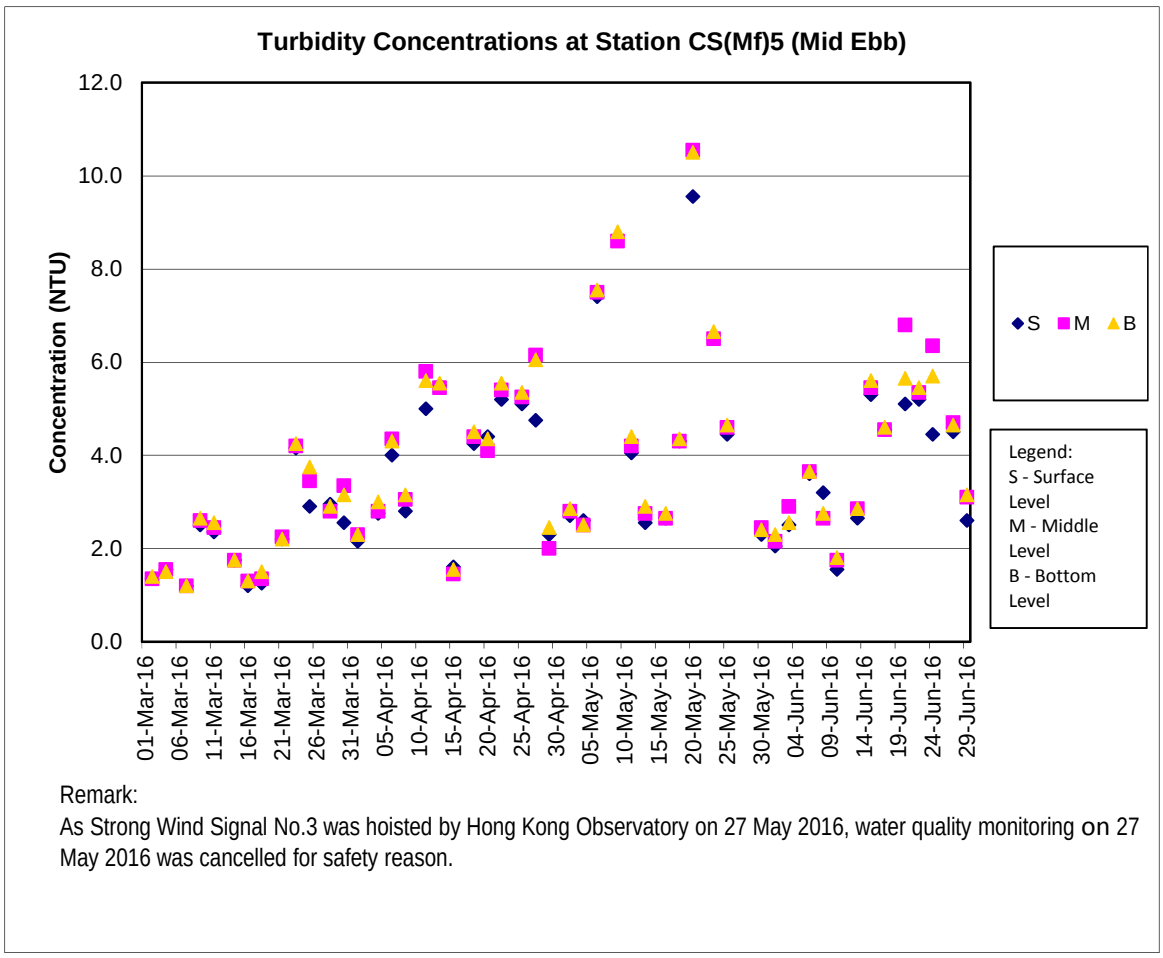
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



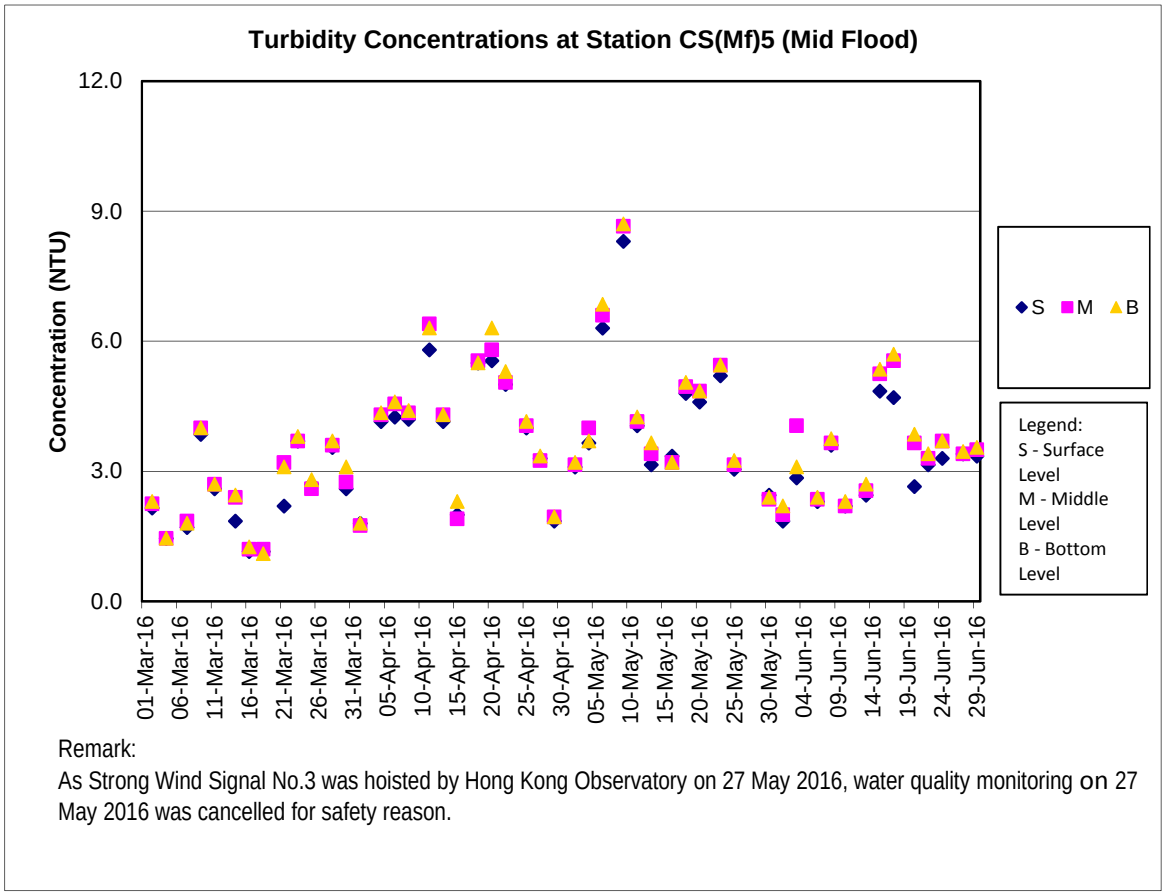
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



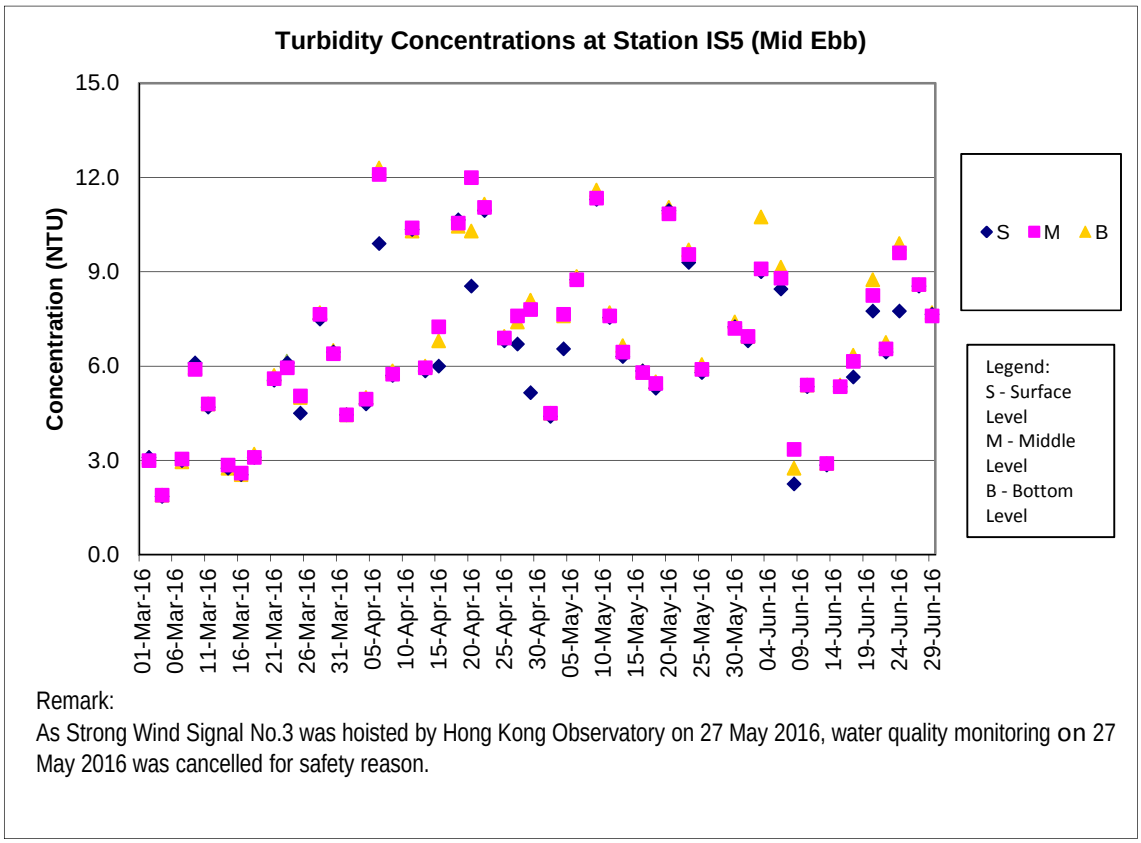
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



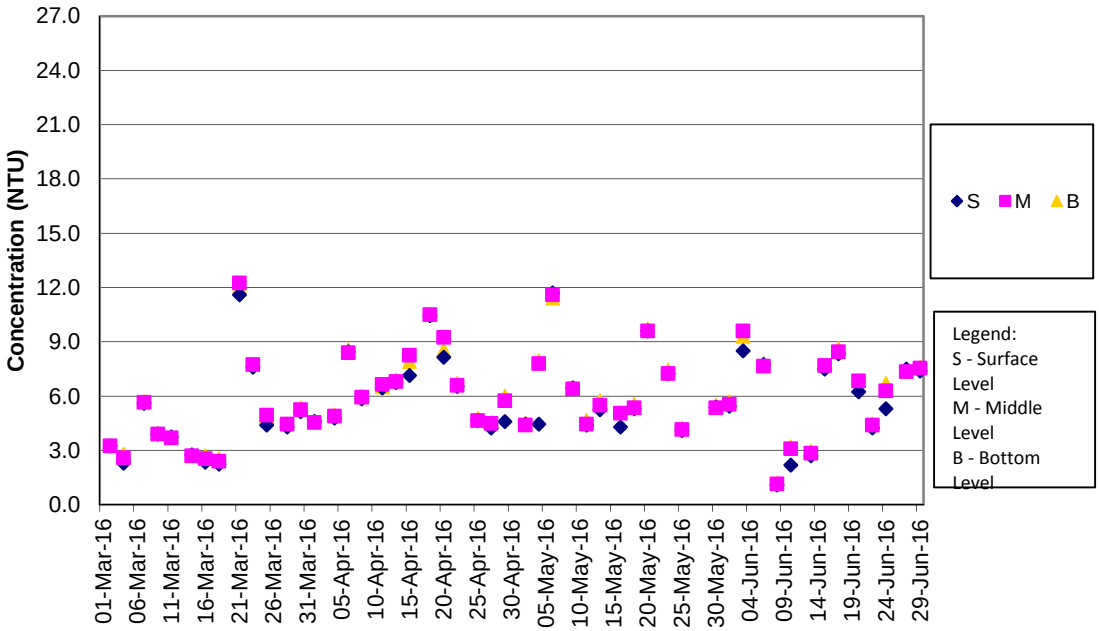
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



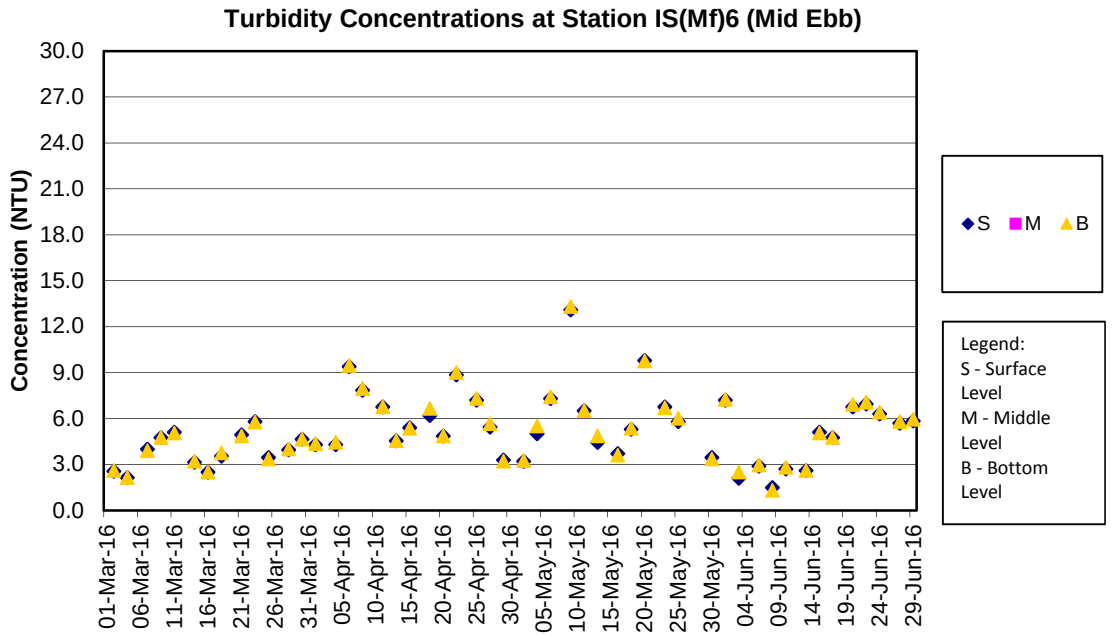
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



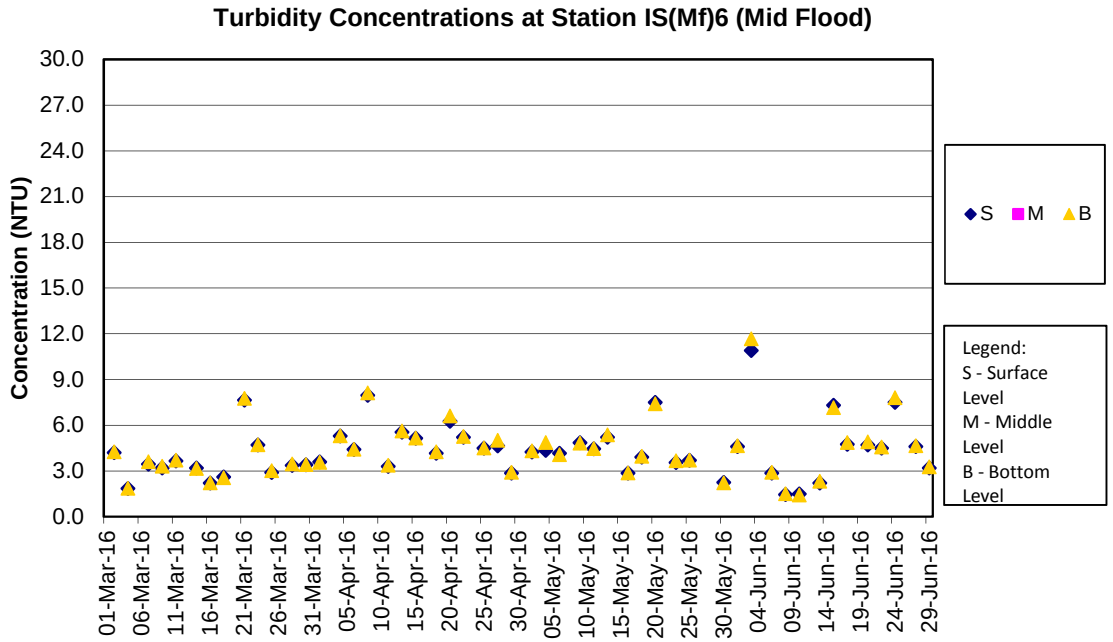
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



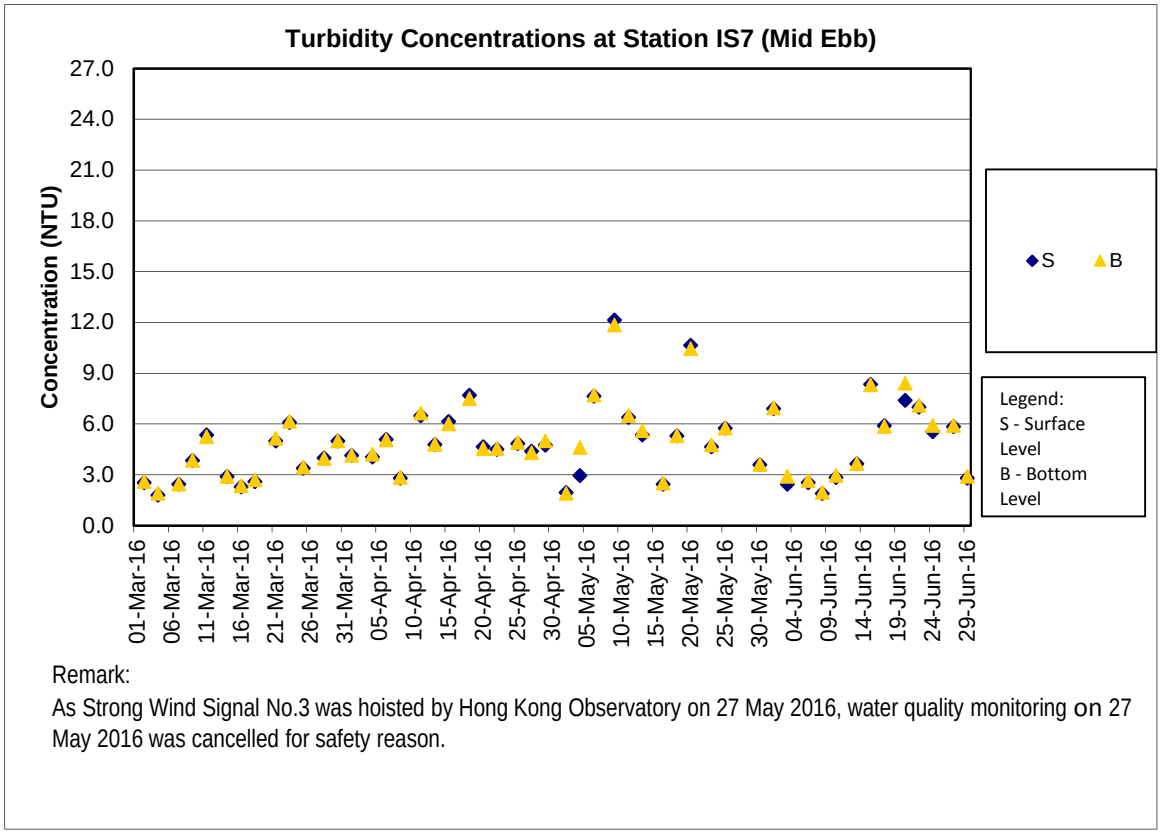
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



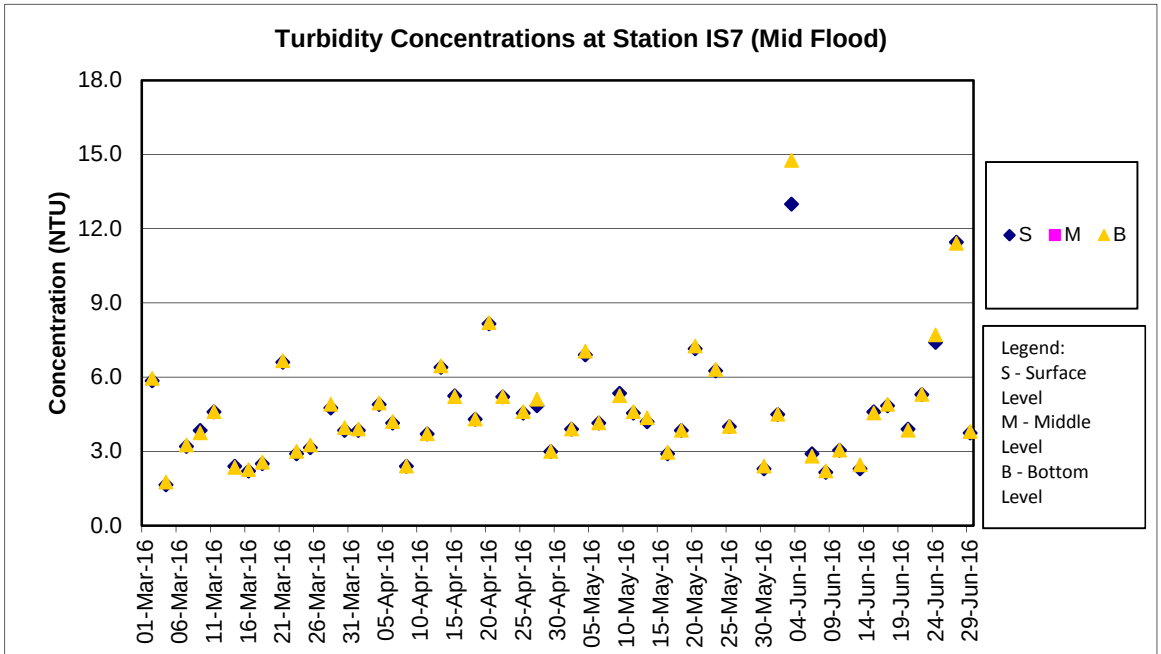
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



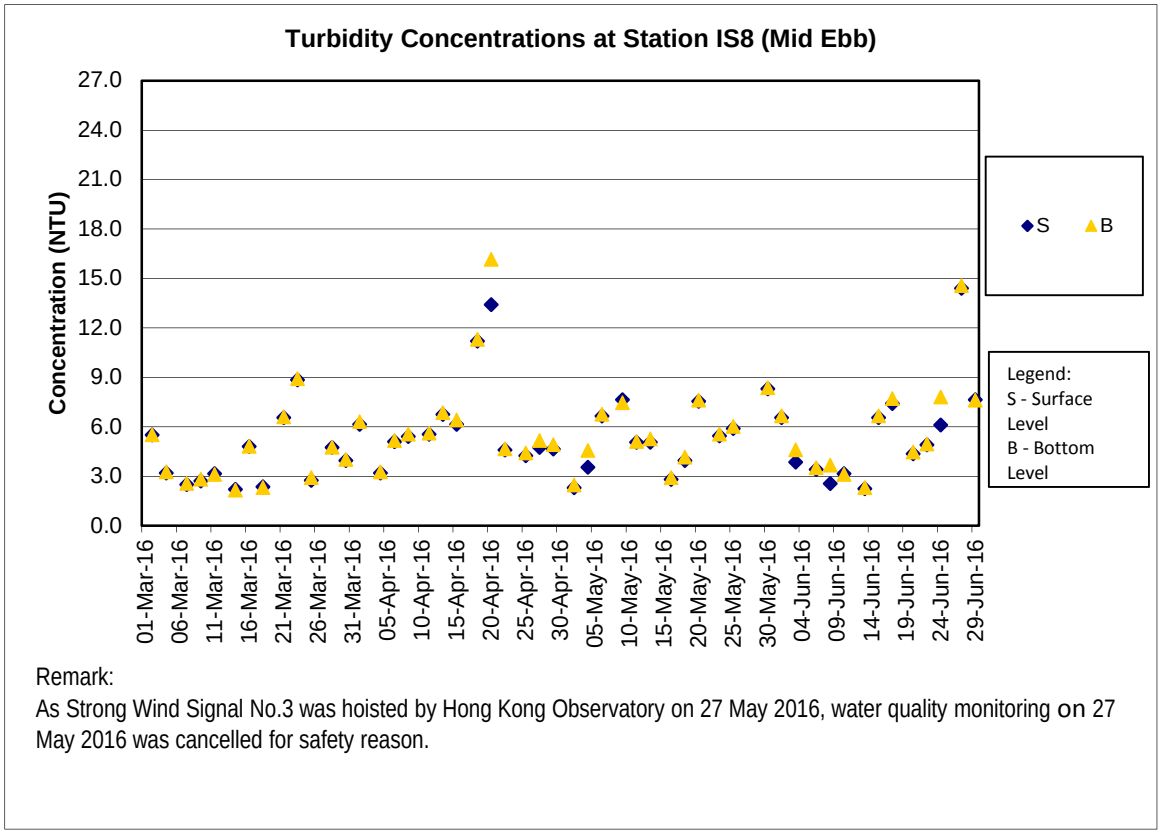
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



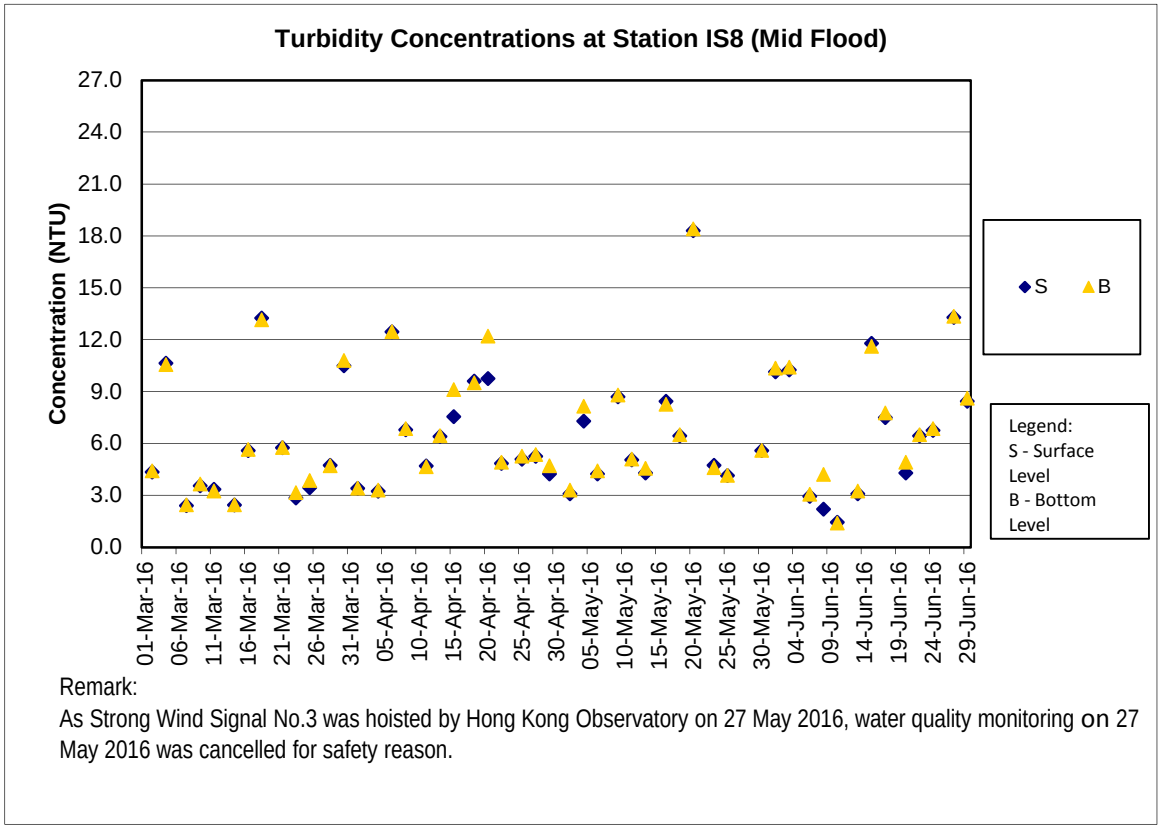
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



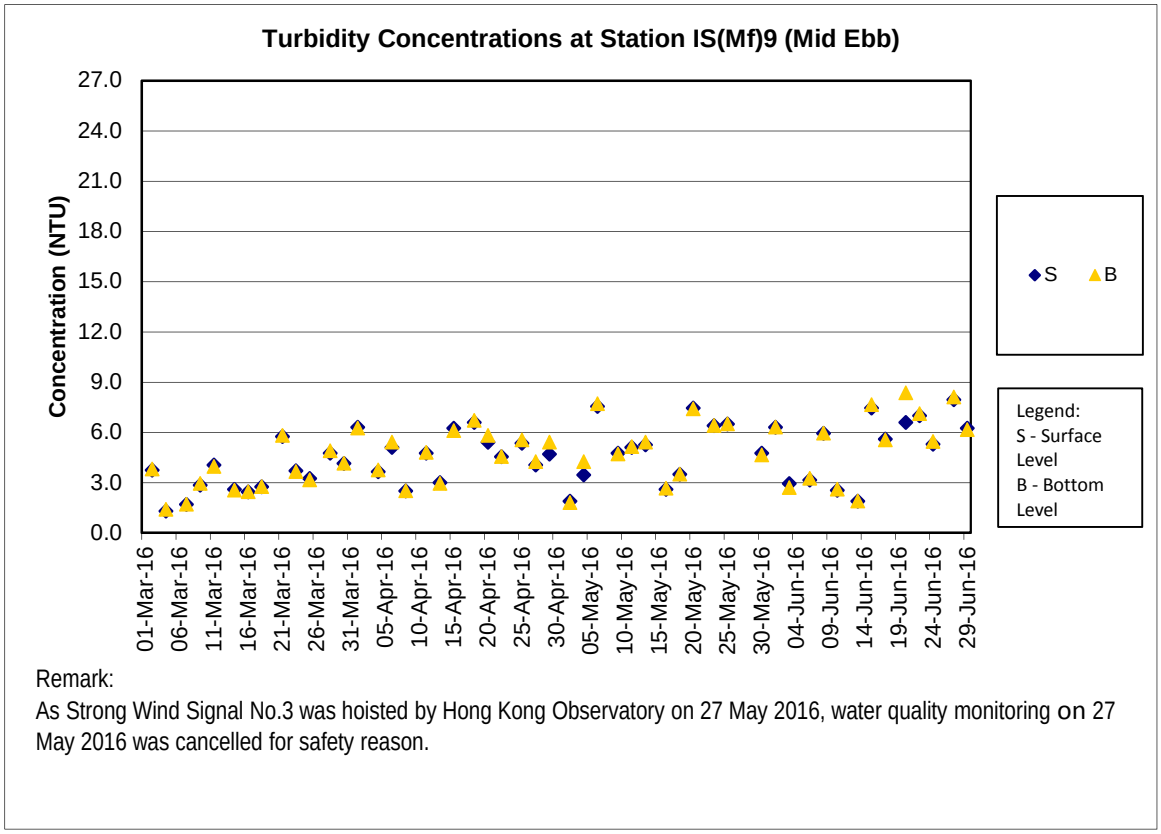
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



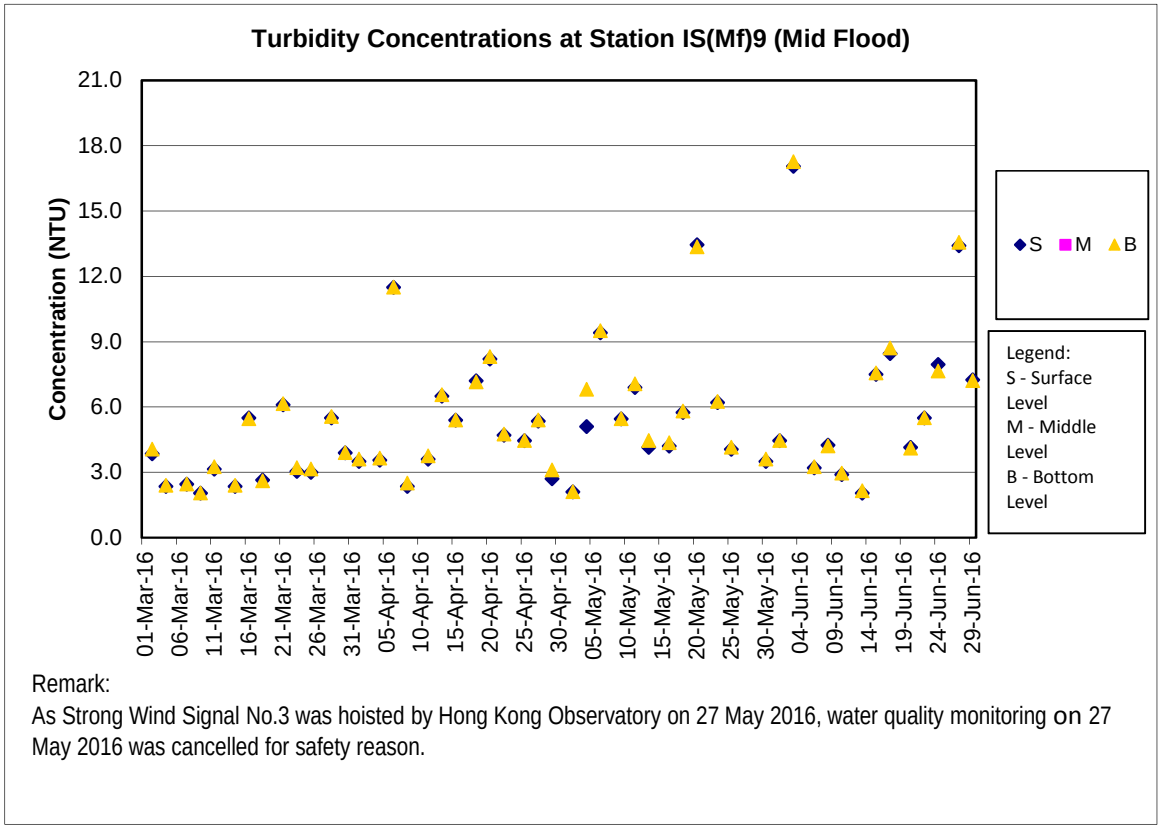
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



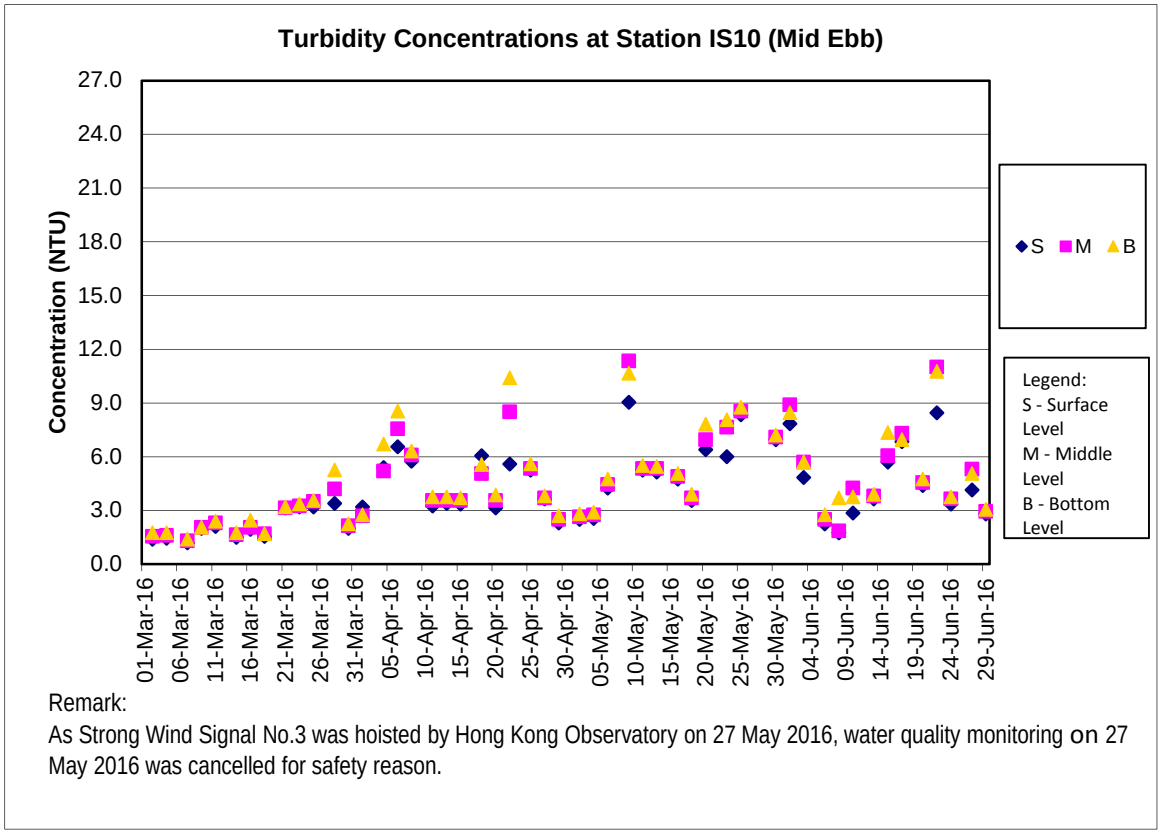
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



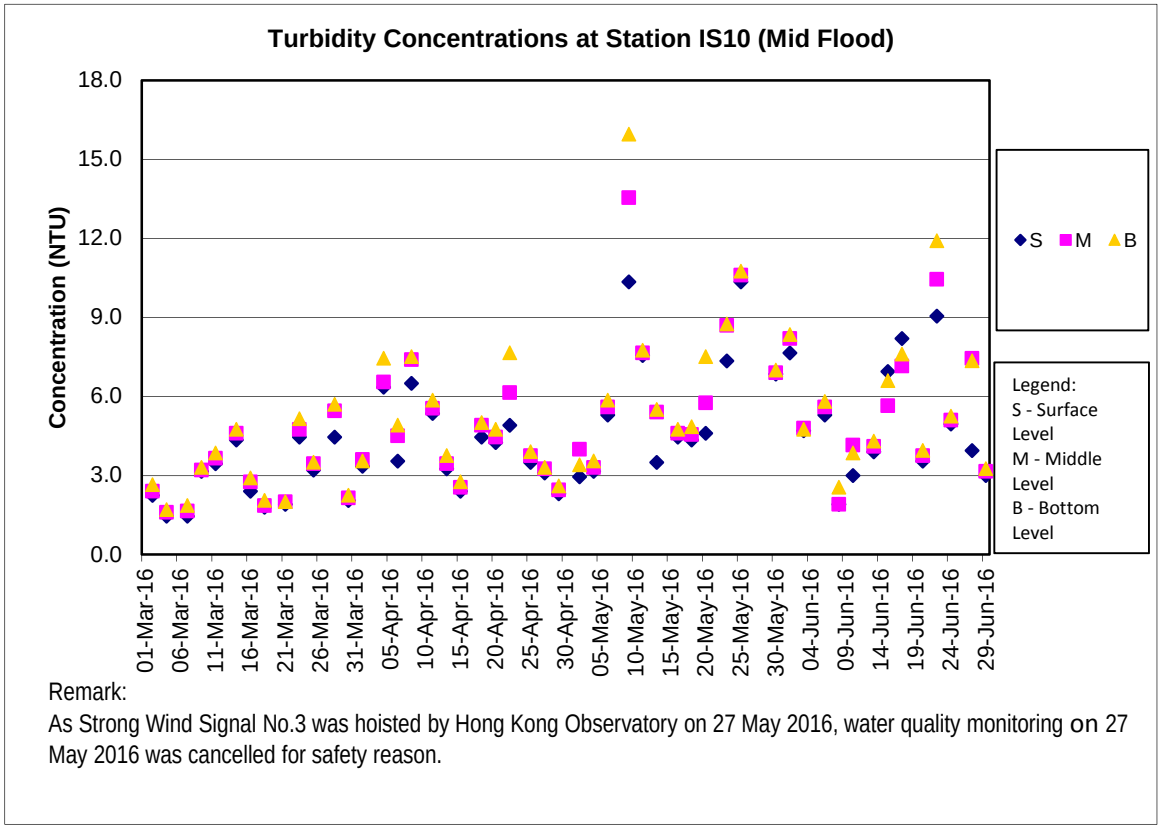
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



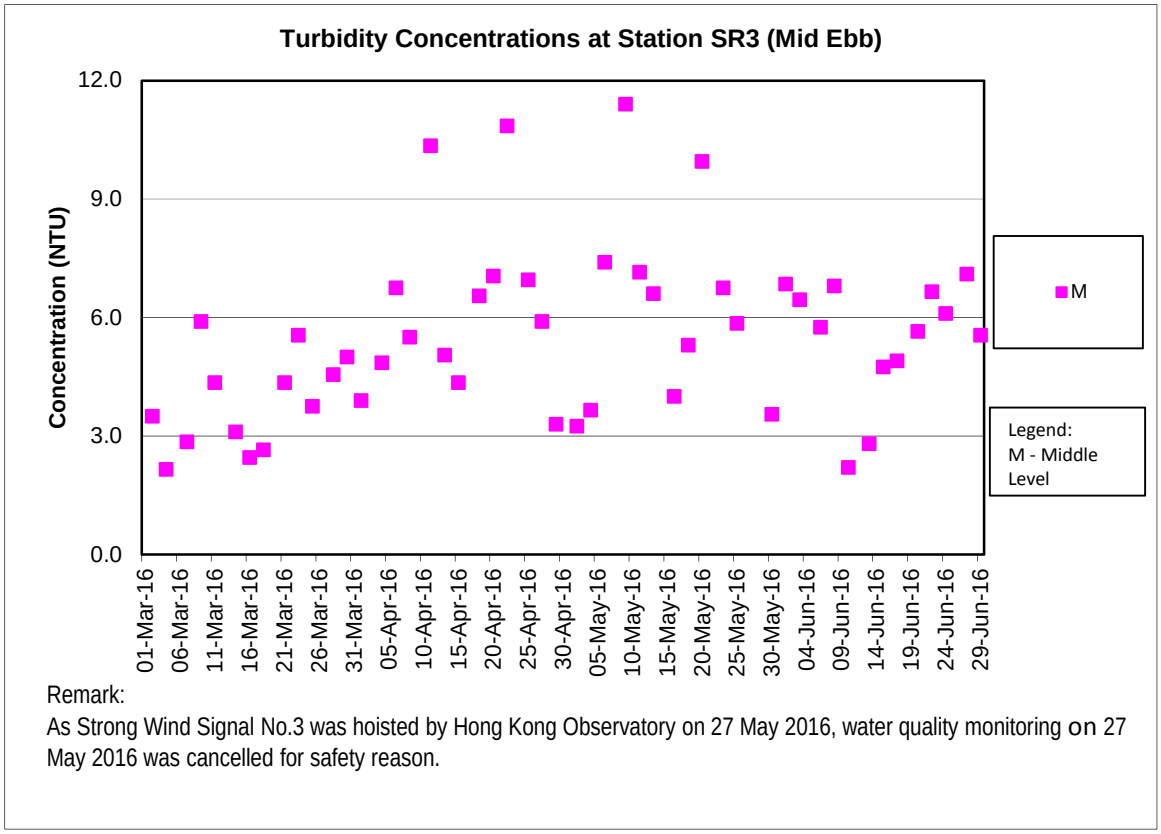
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



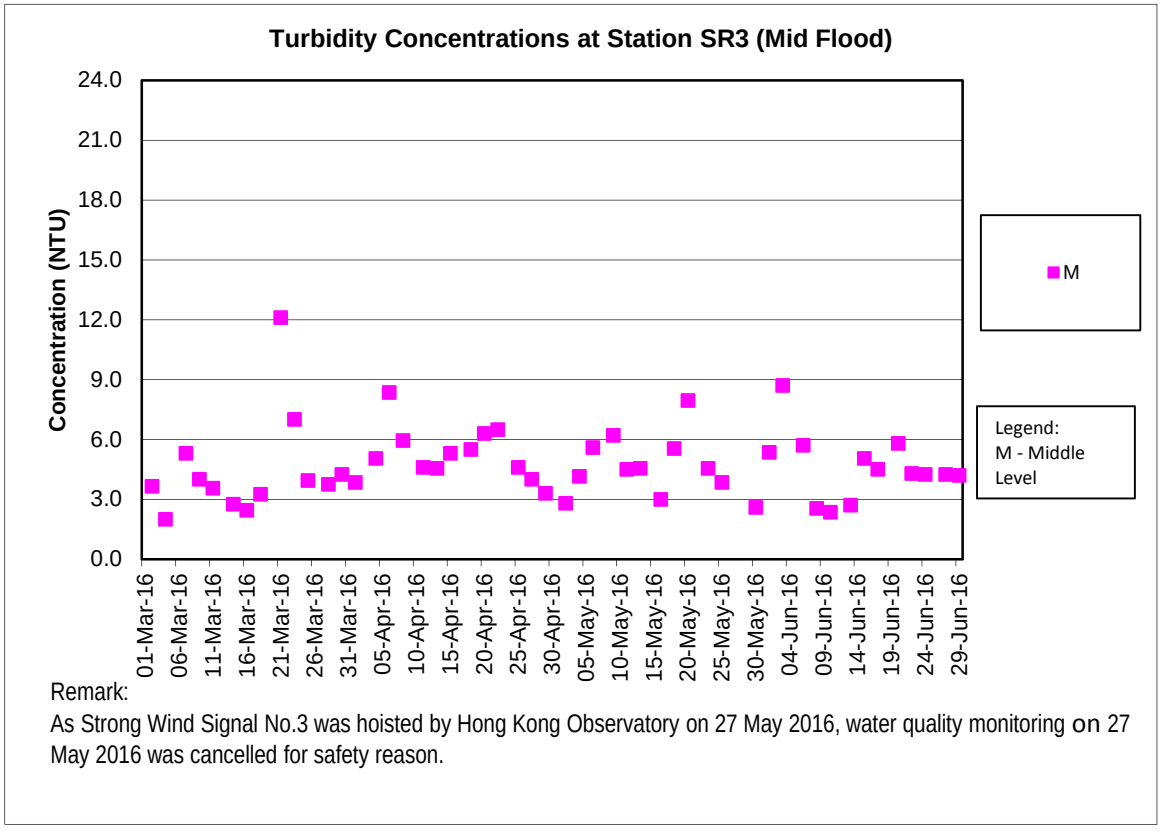
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



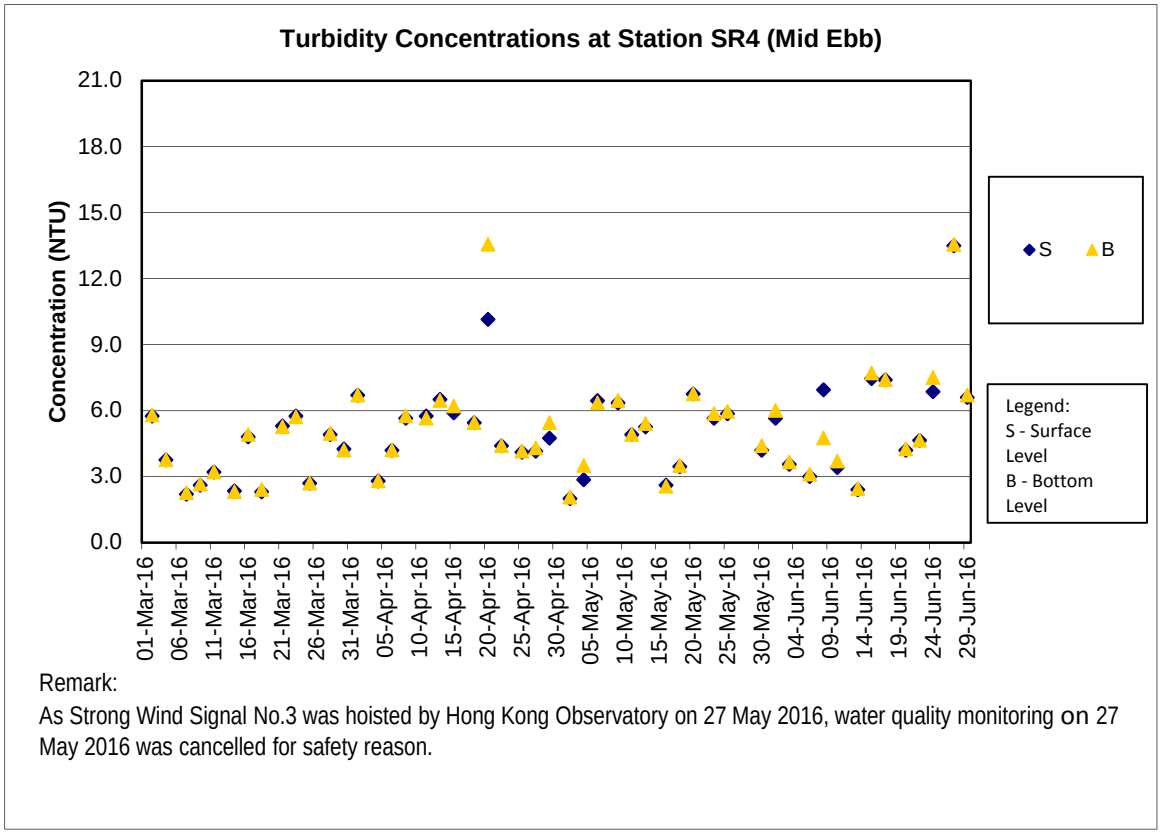
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



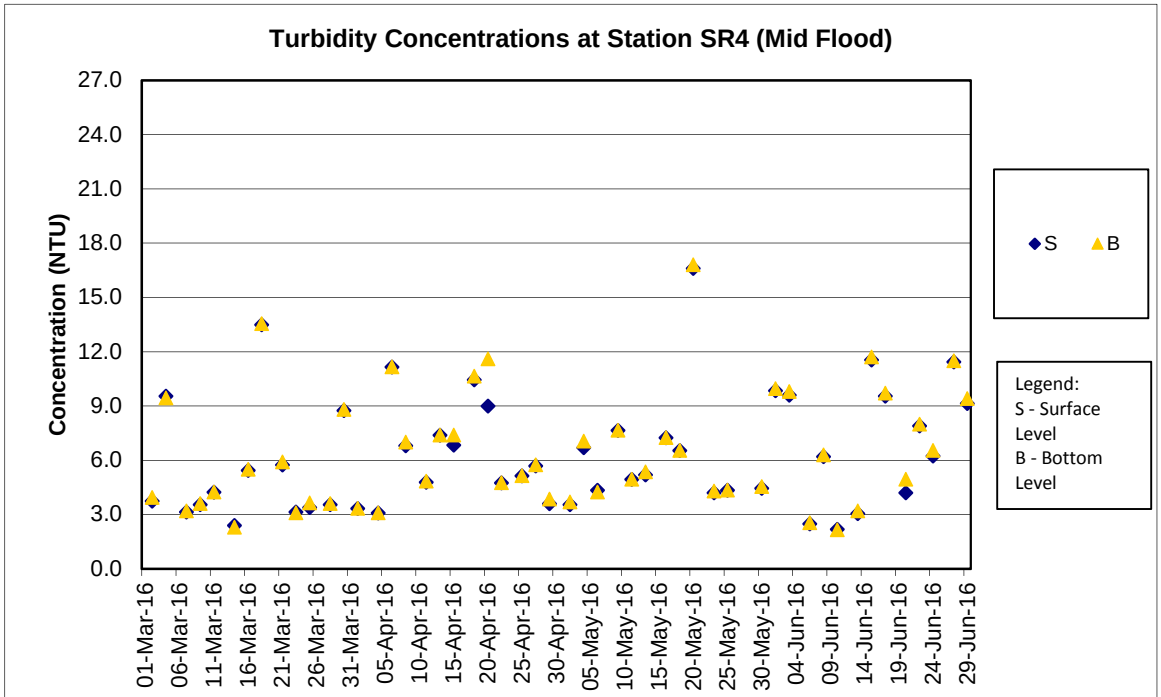
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



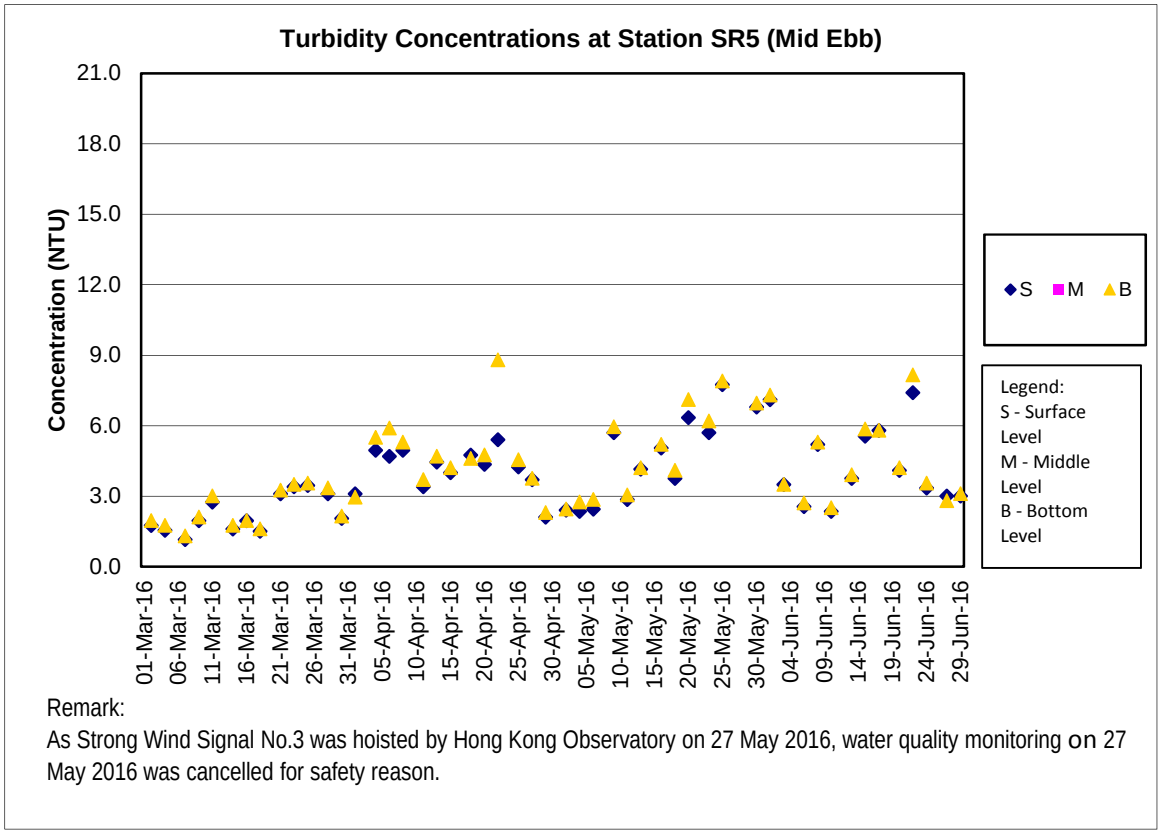
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



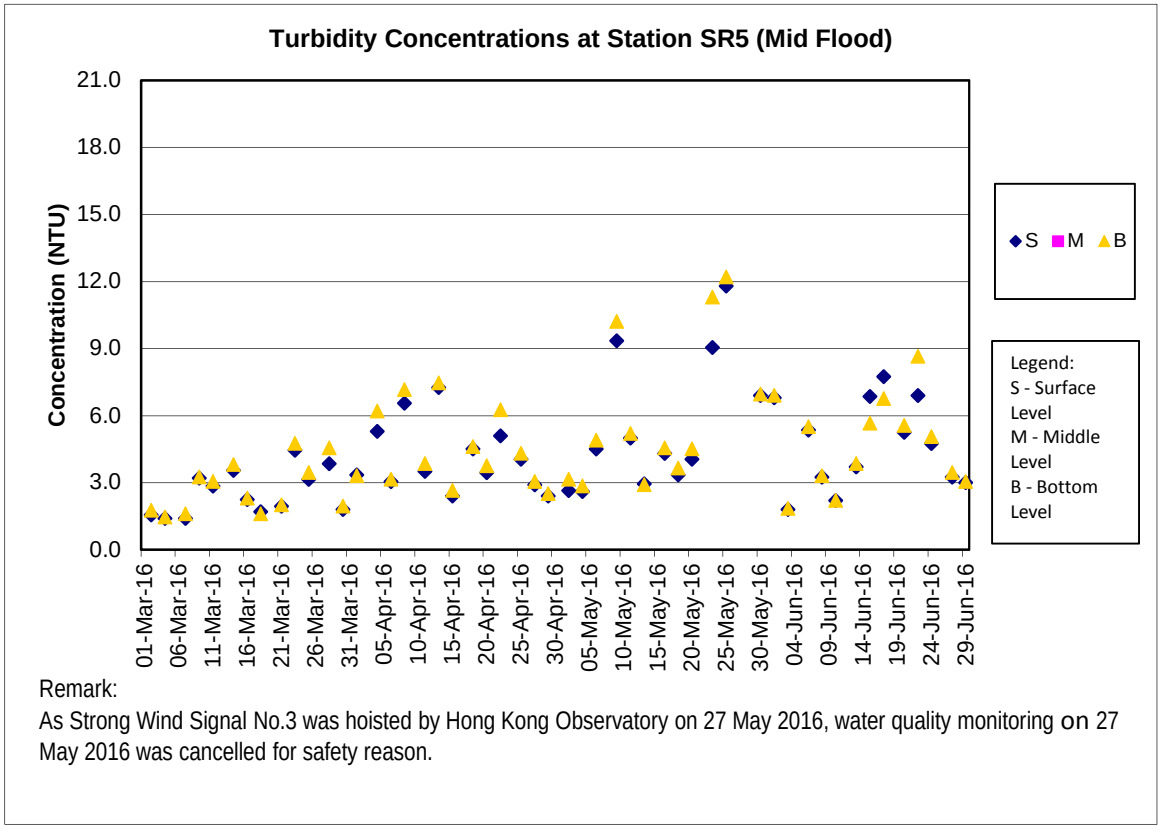
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



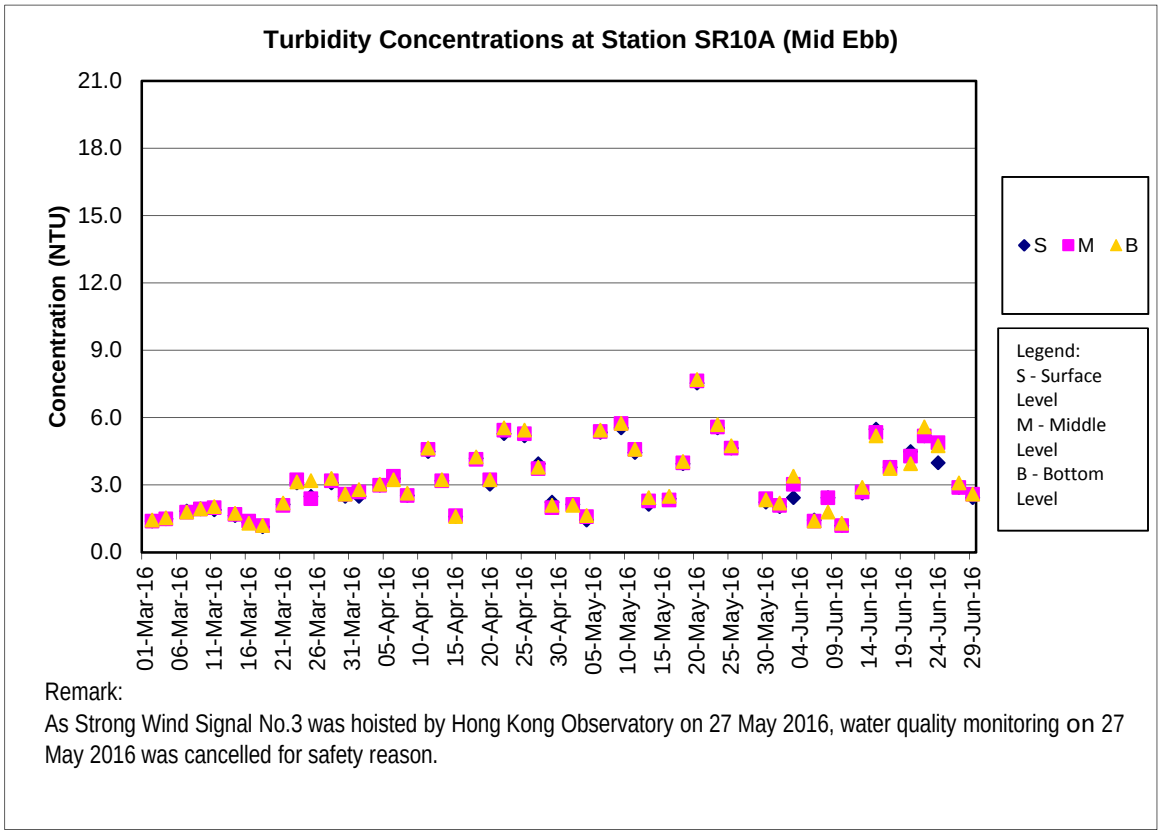
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



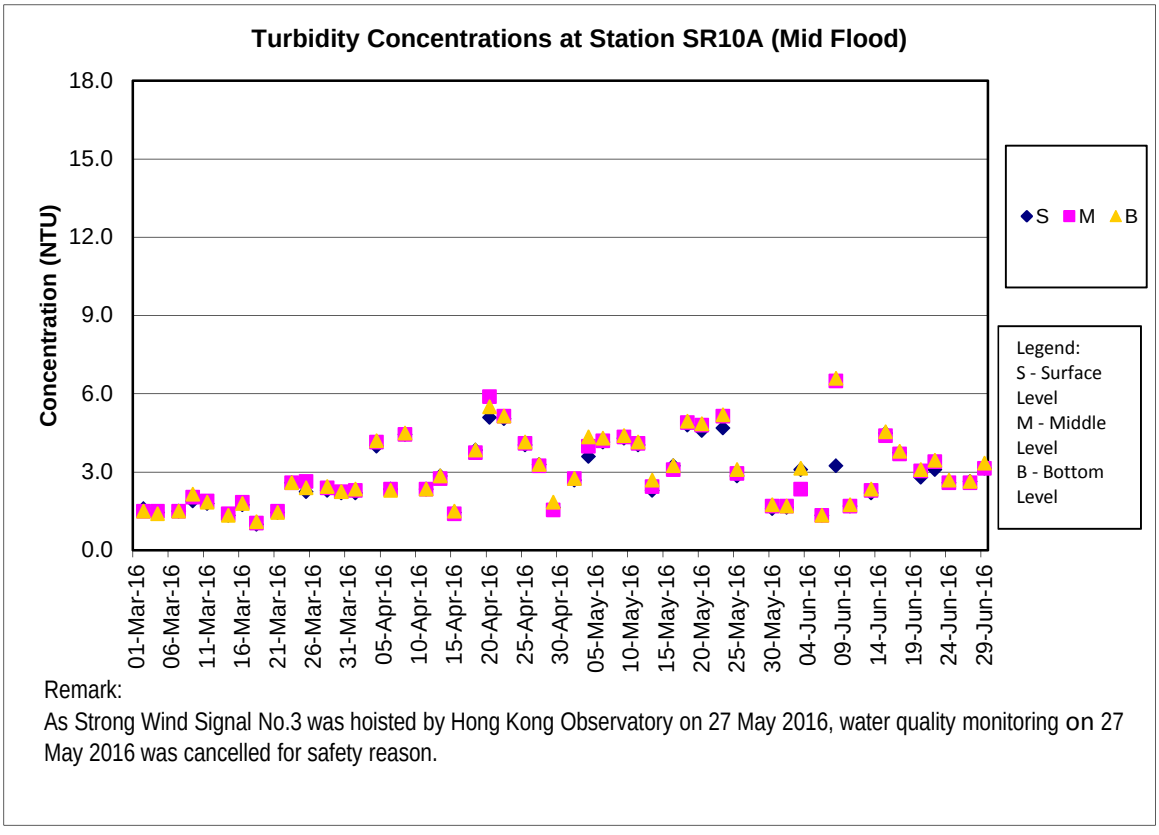
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



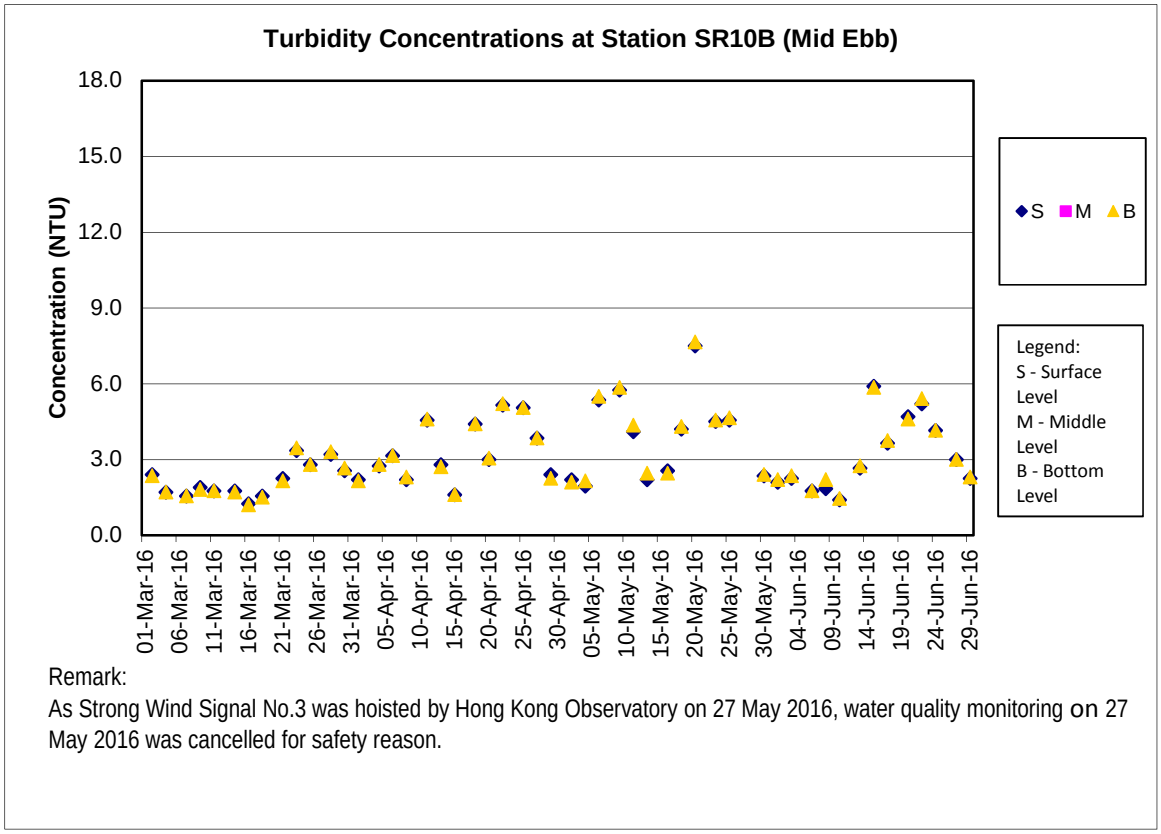
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



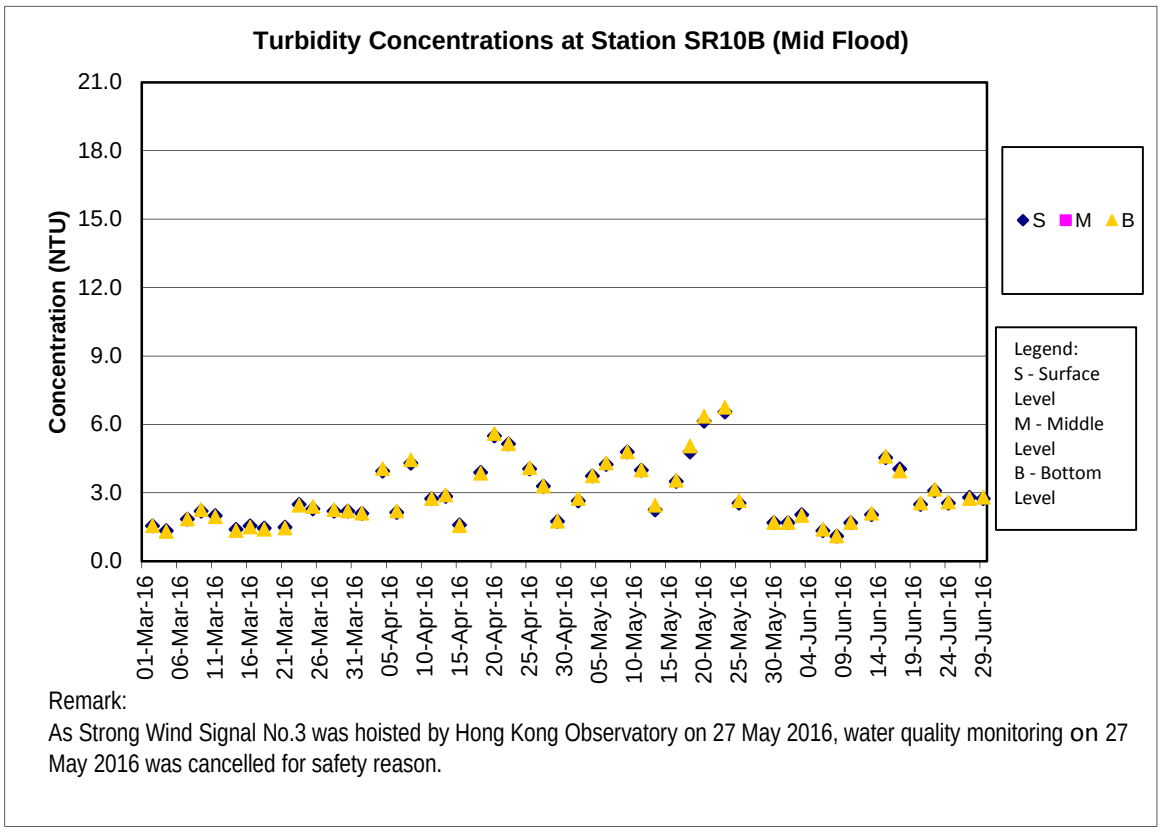
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



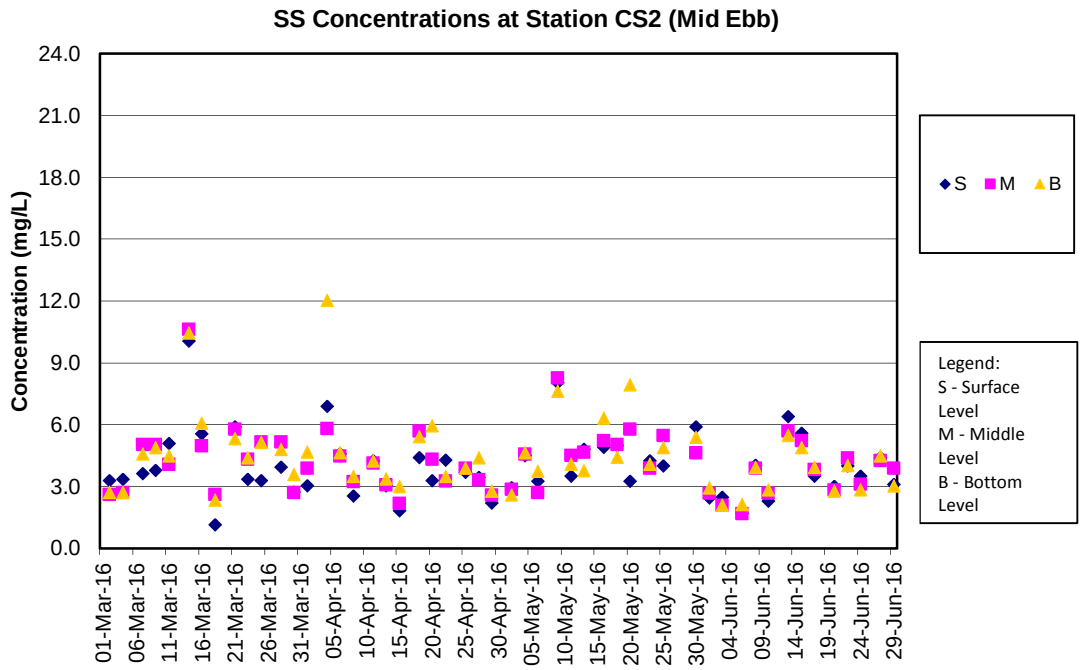
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



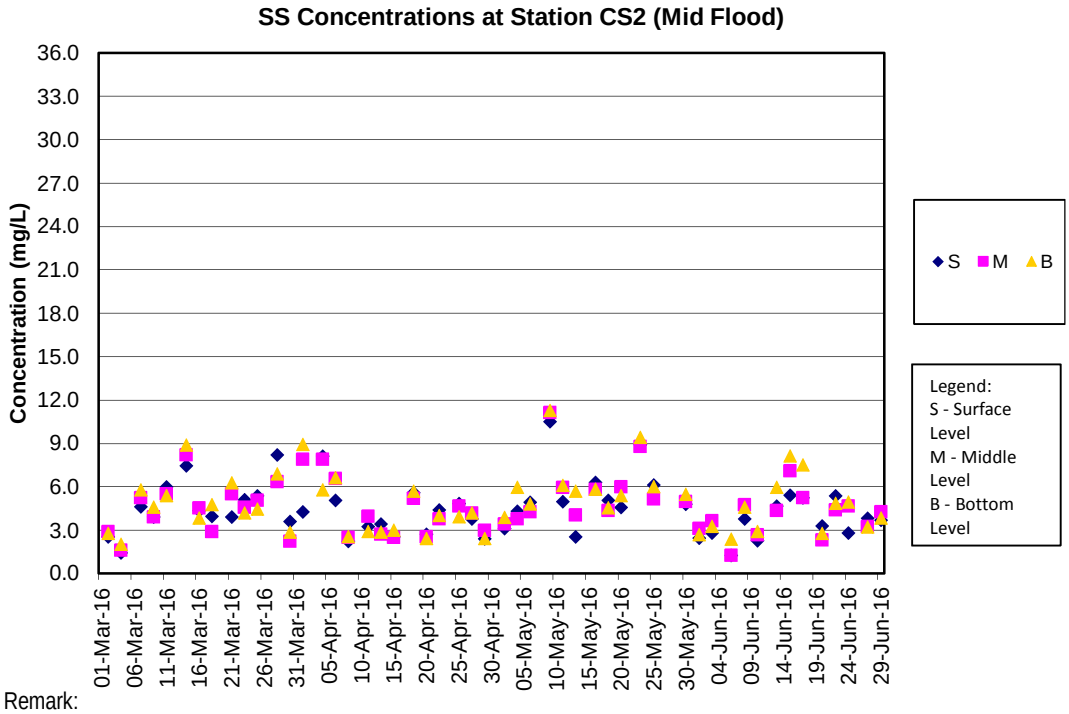
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



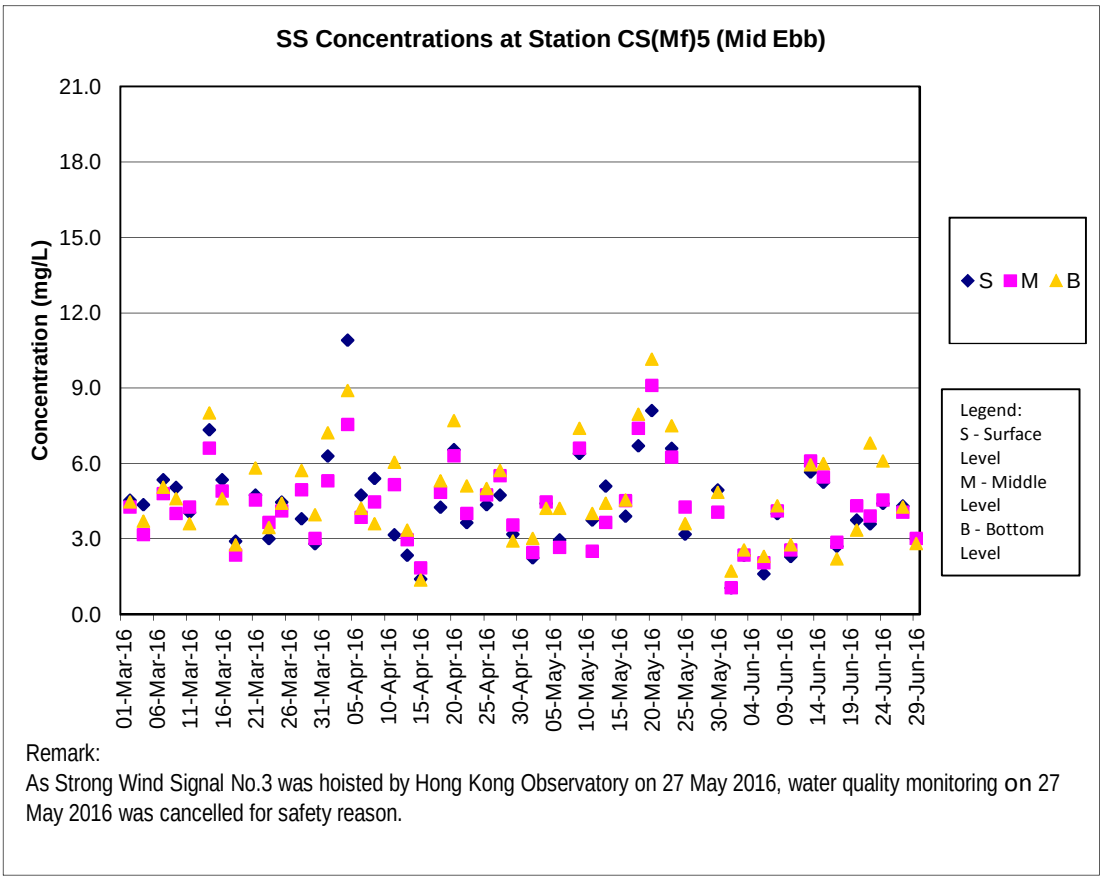
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

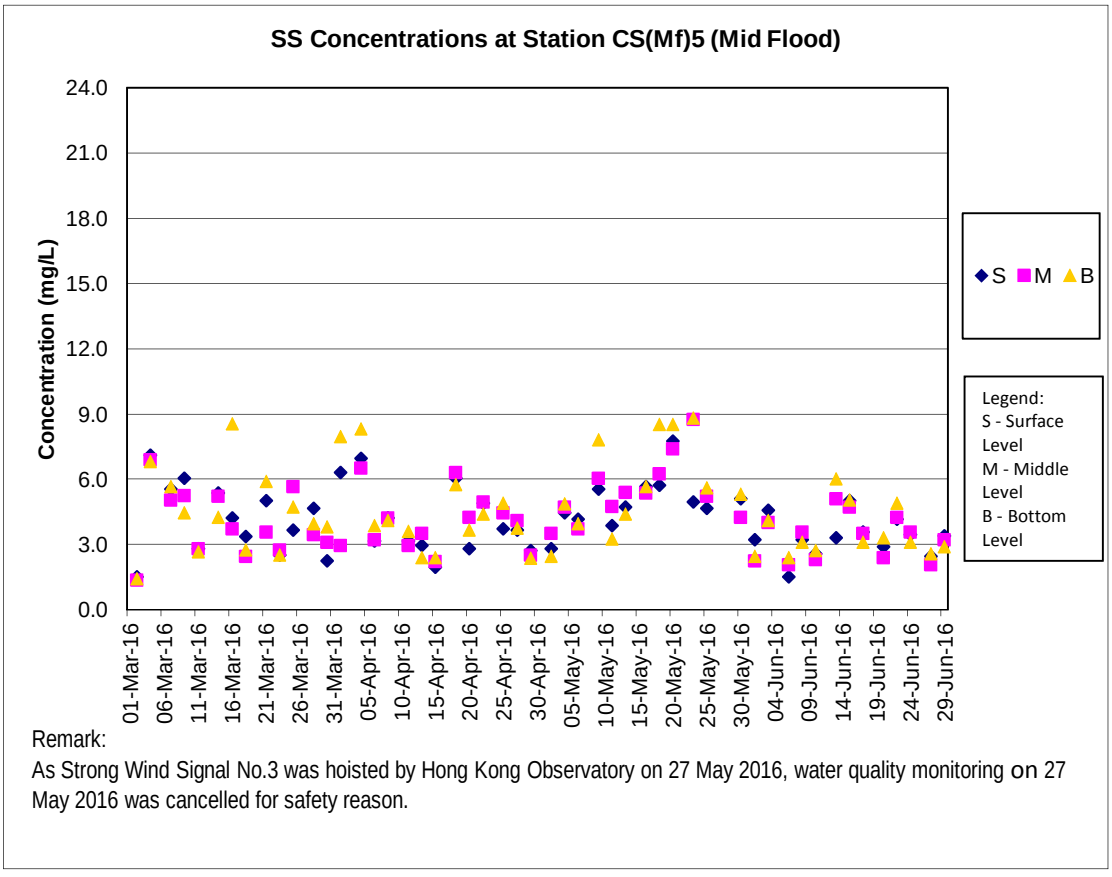


Remark:

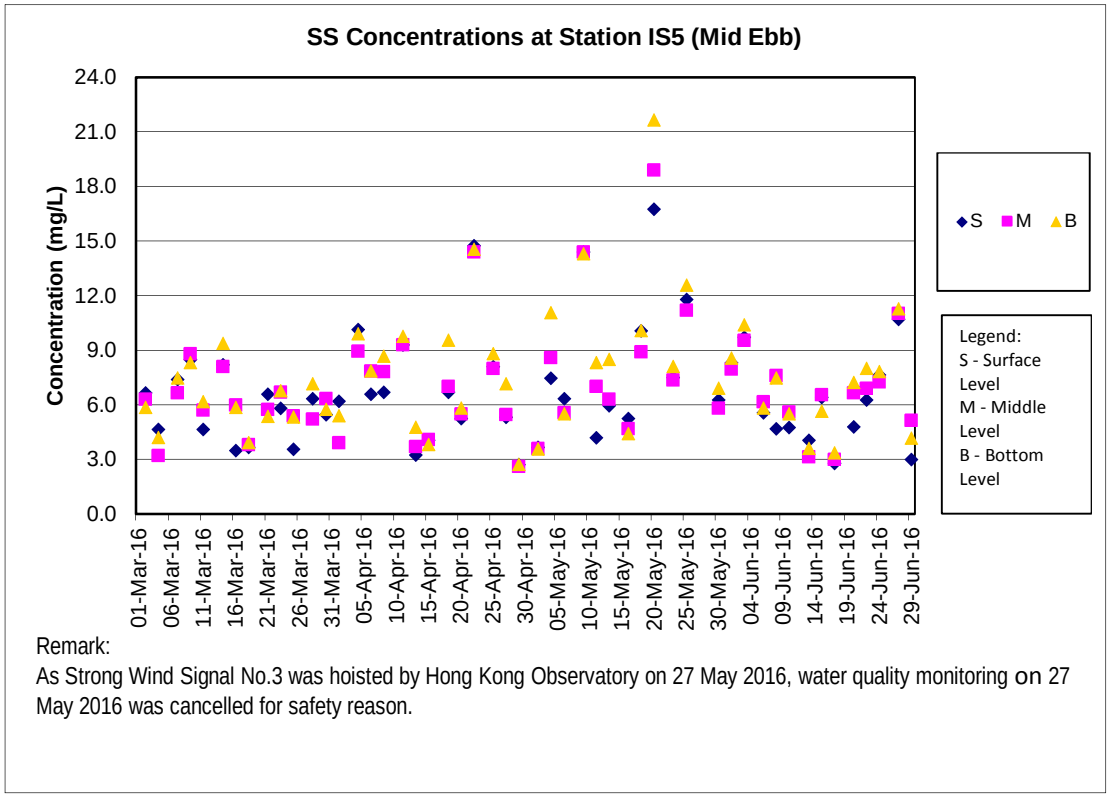
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

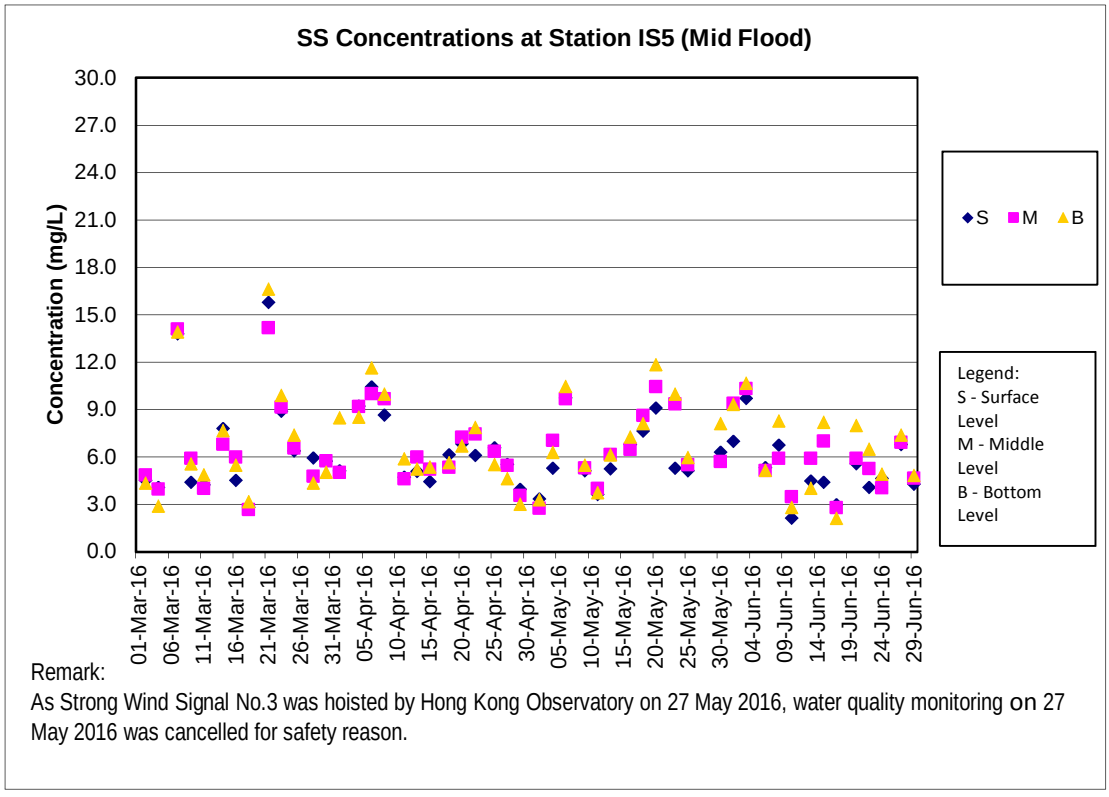


Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



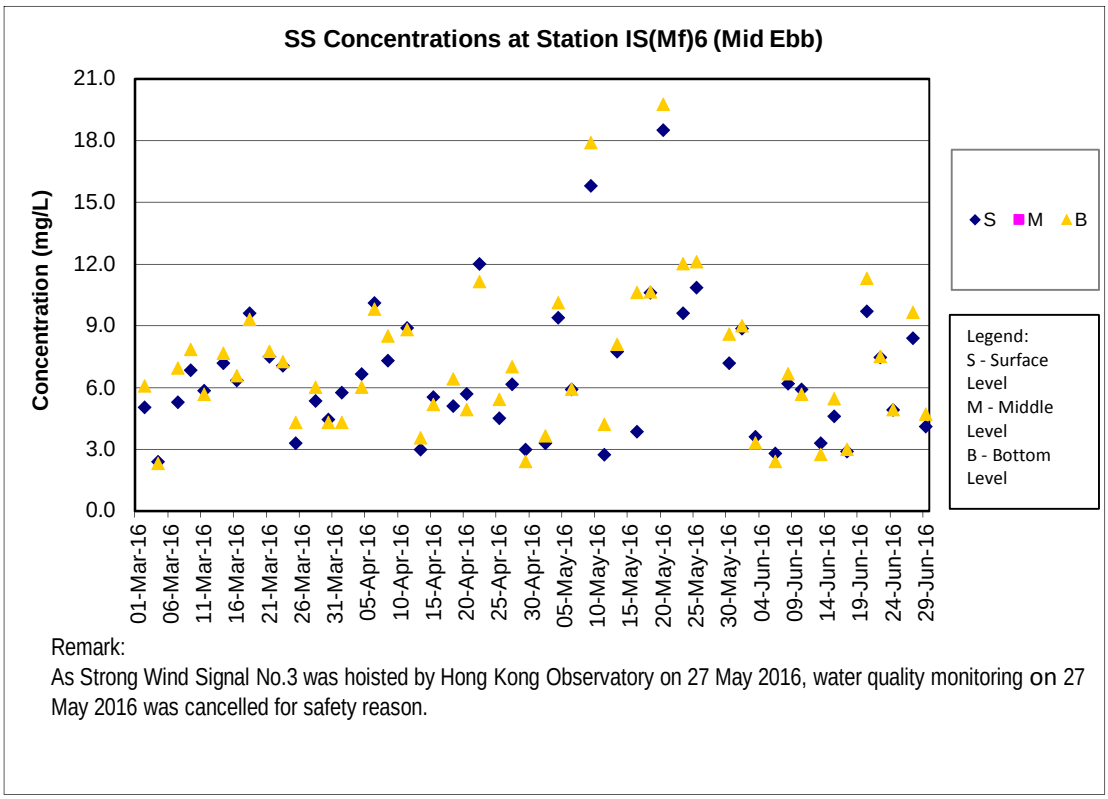
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

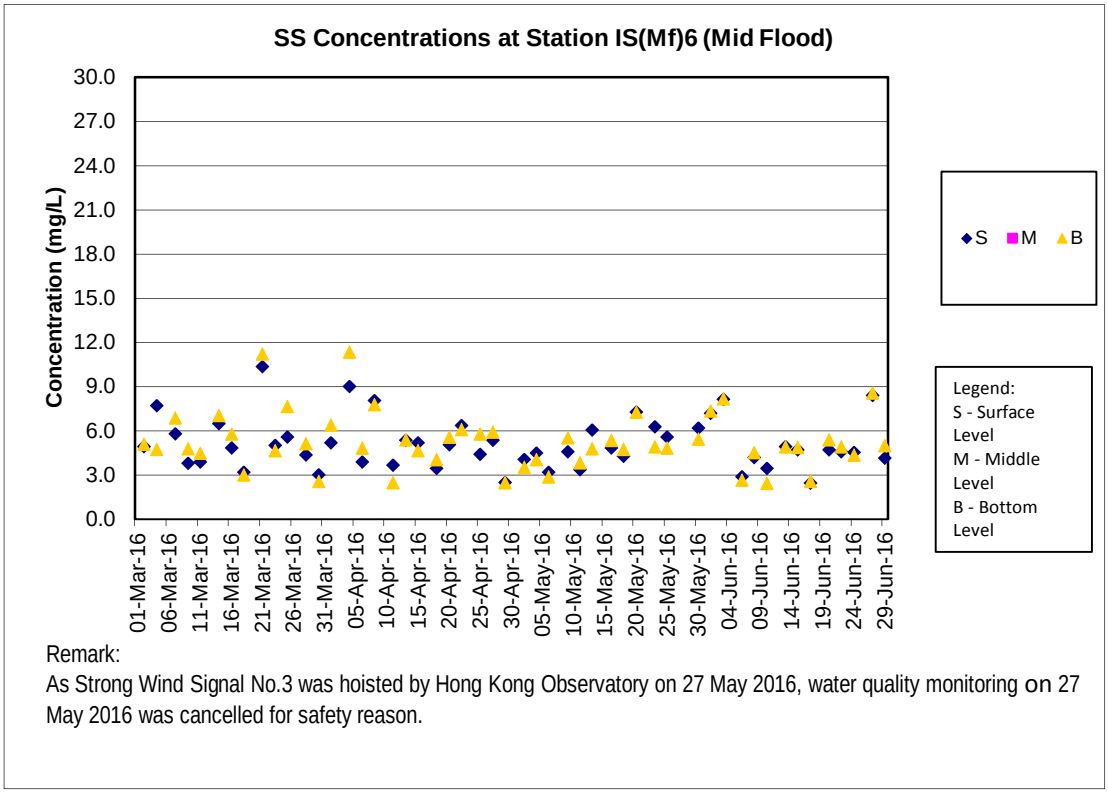


Remark:

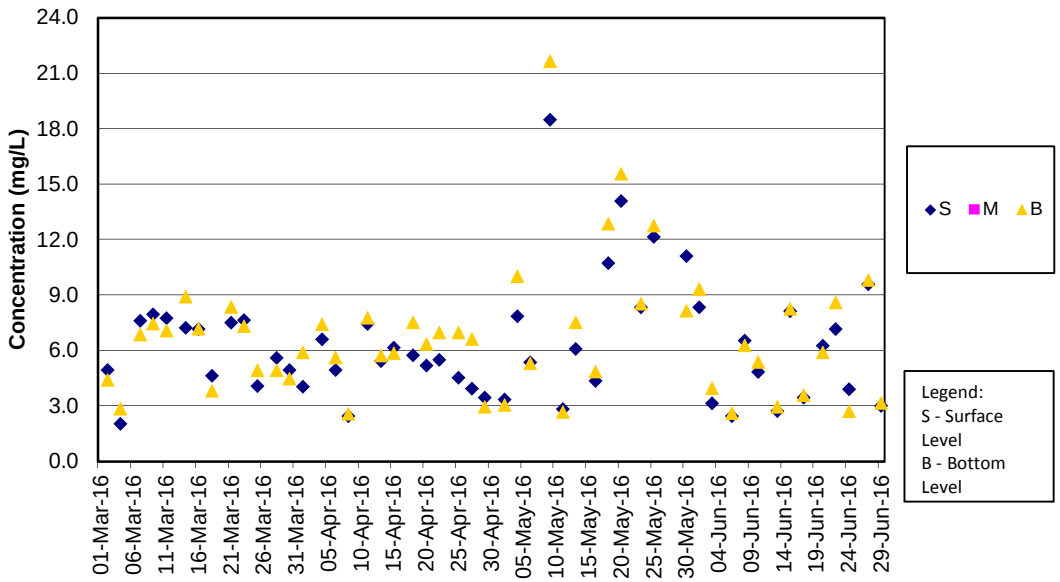
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



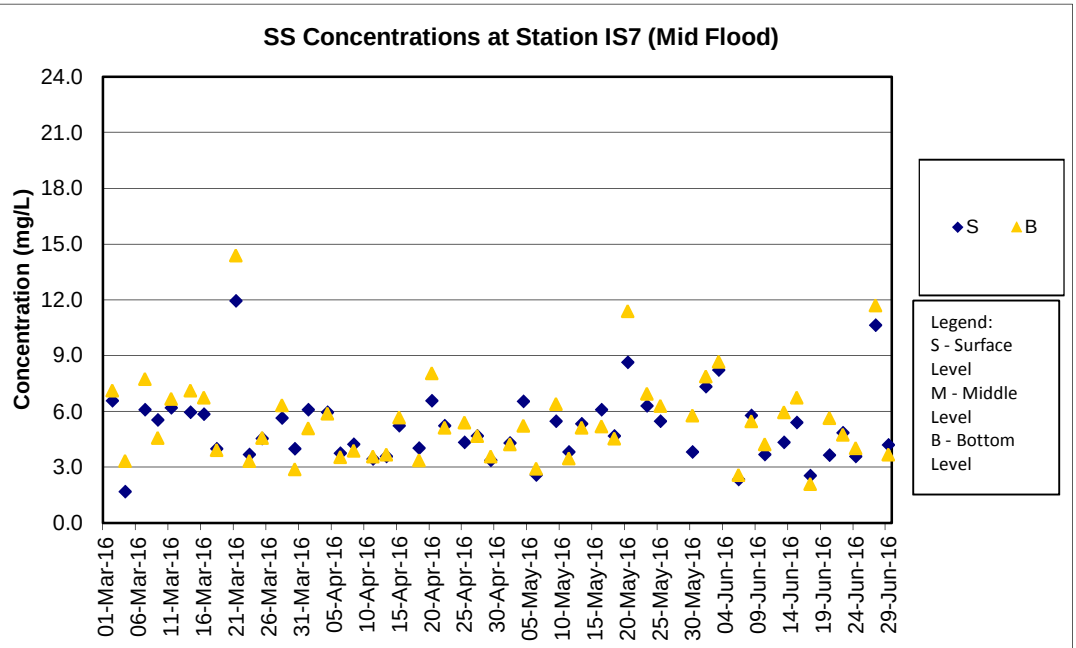
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



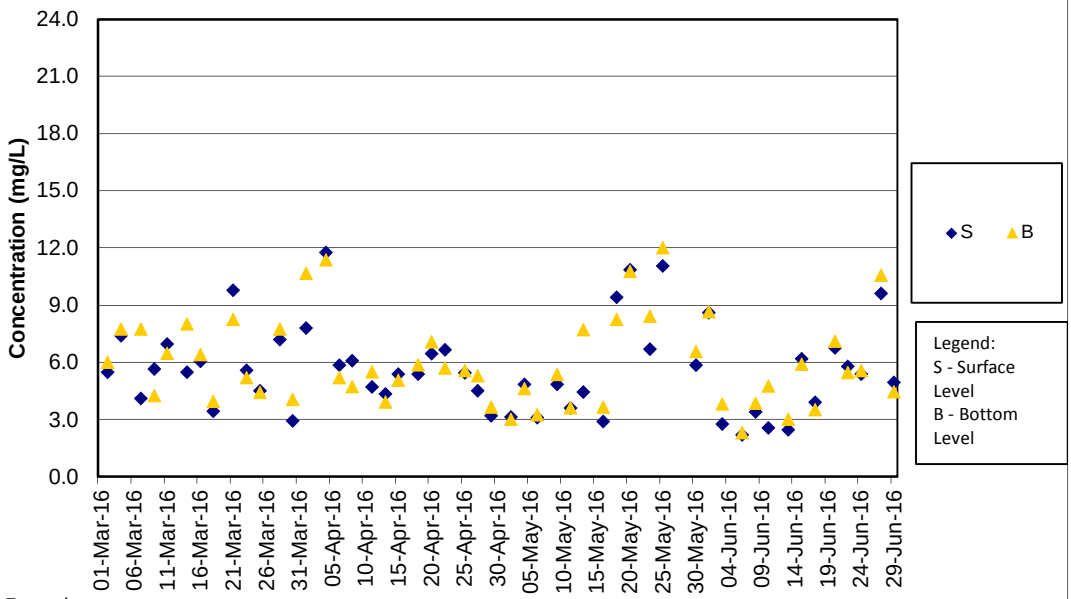
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

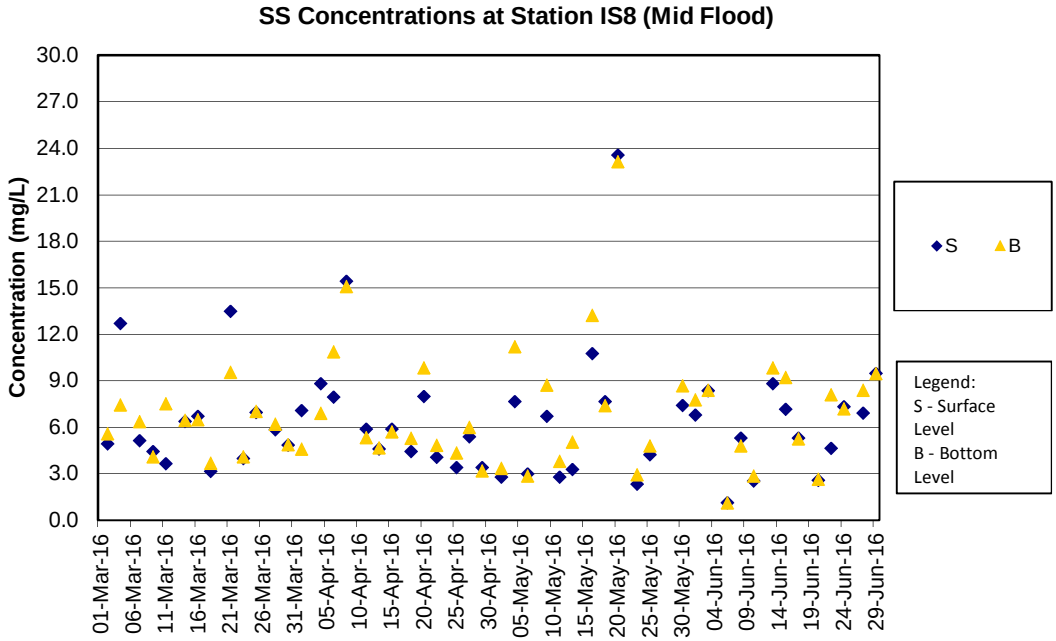


Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



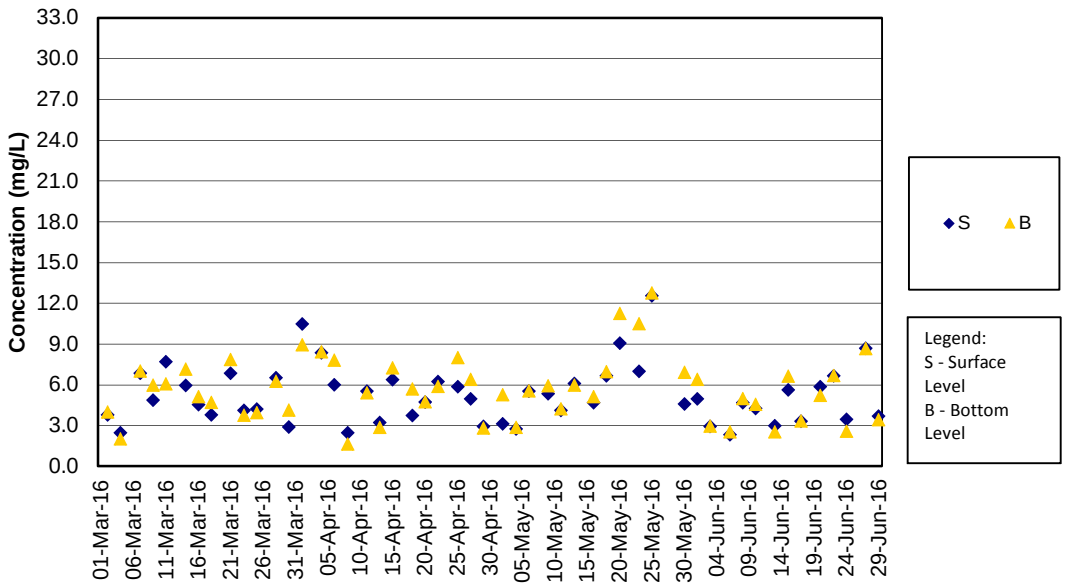
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



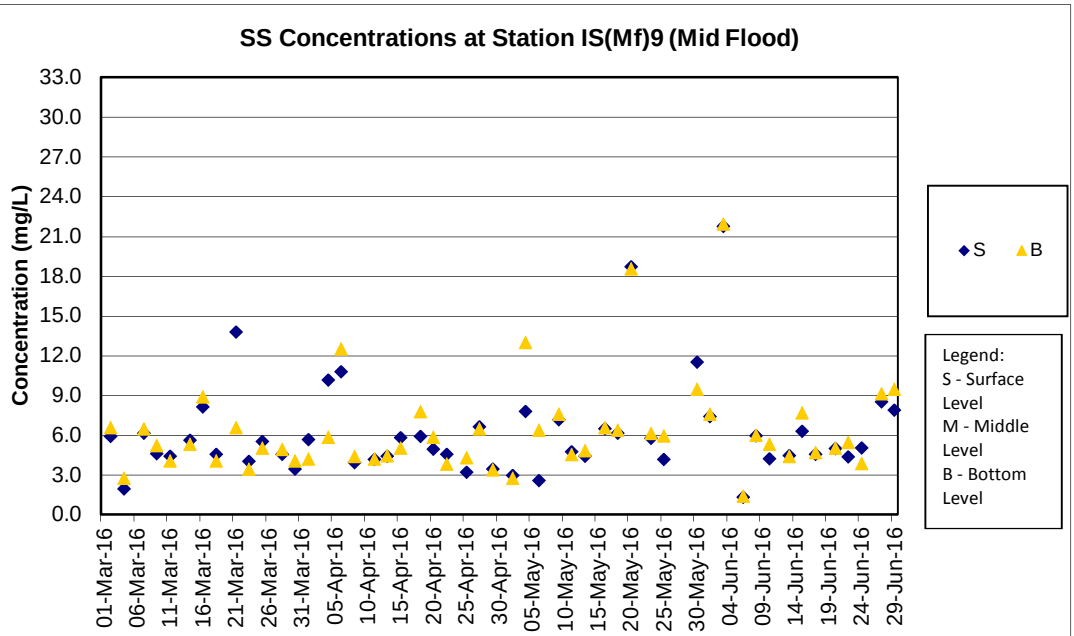
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



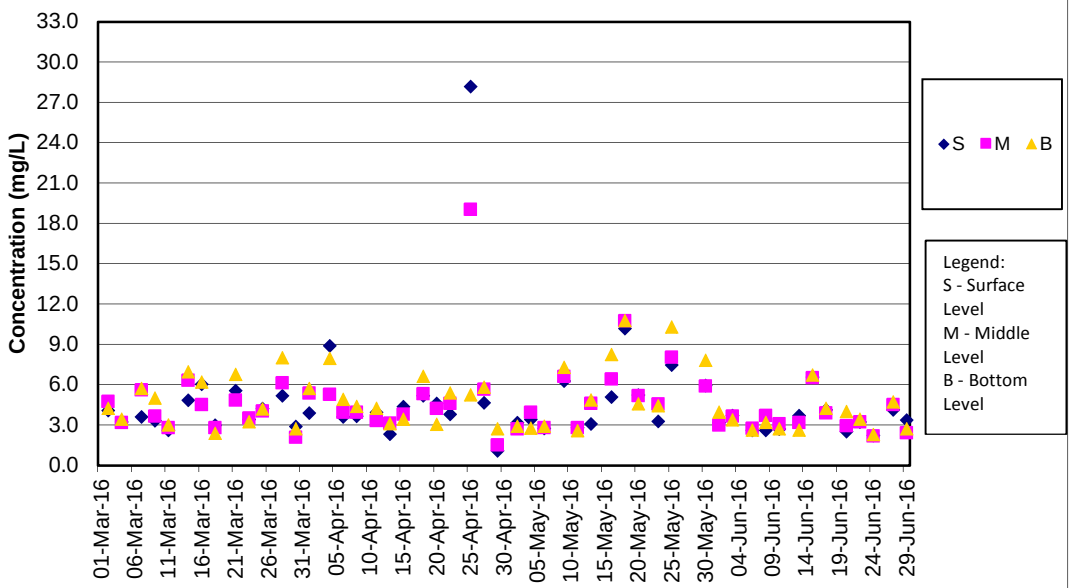
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

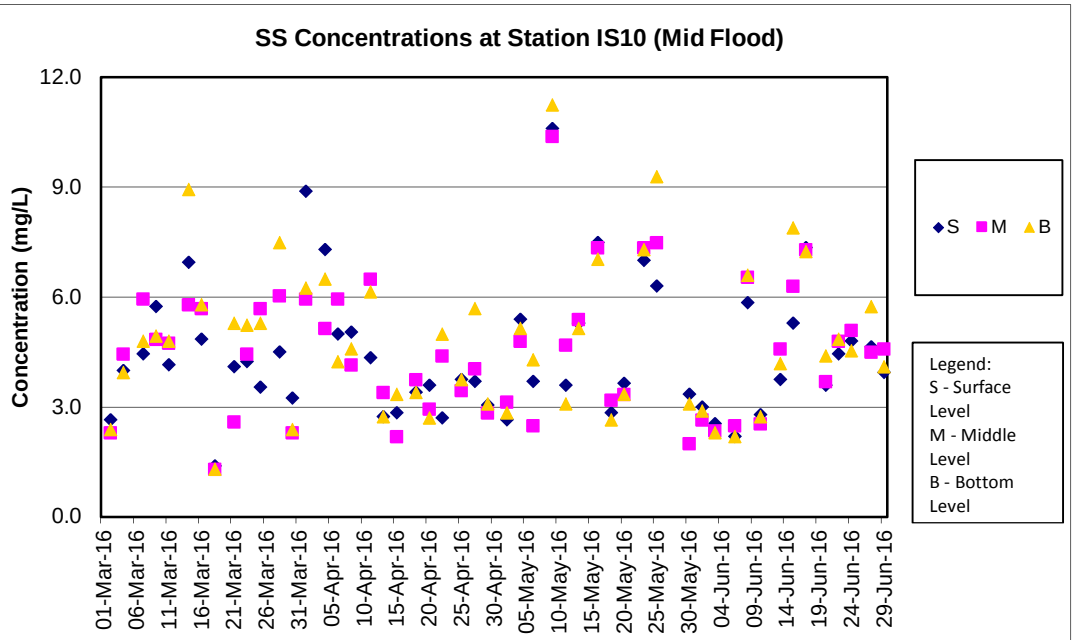


Remark:

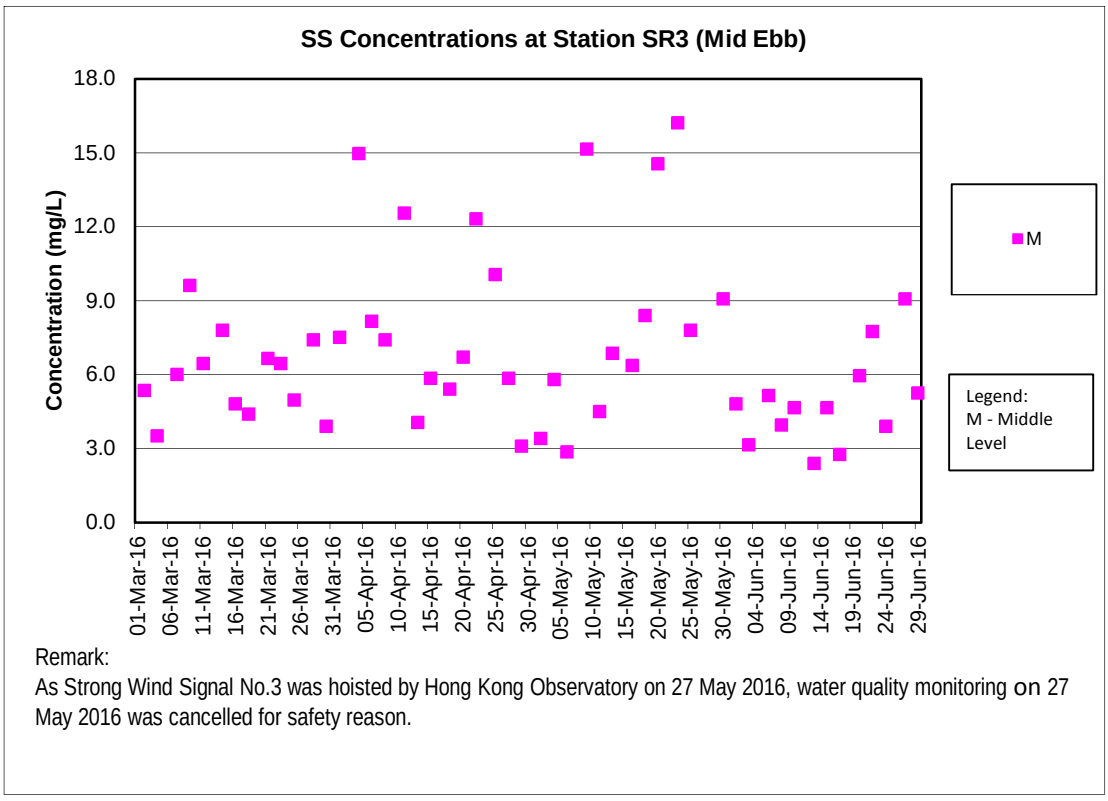
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



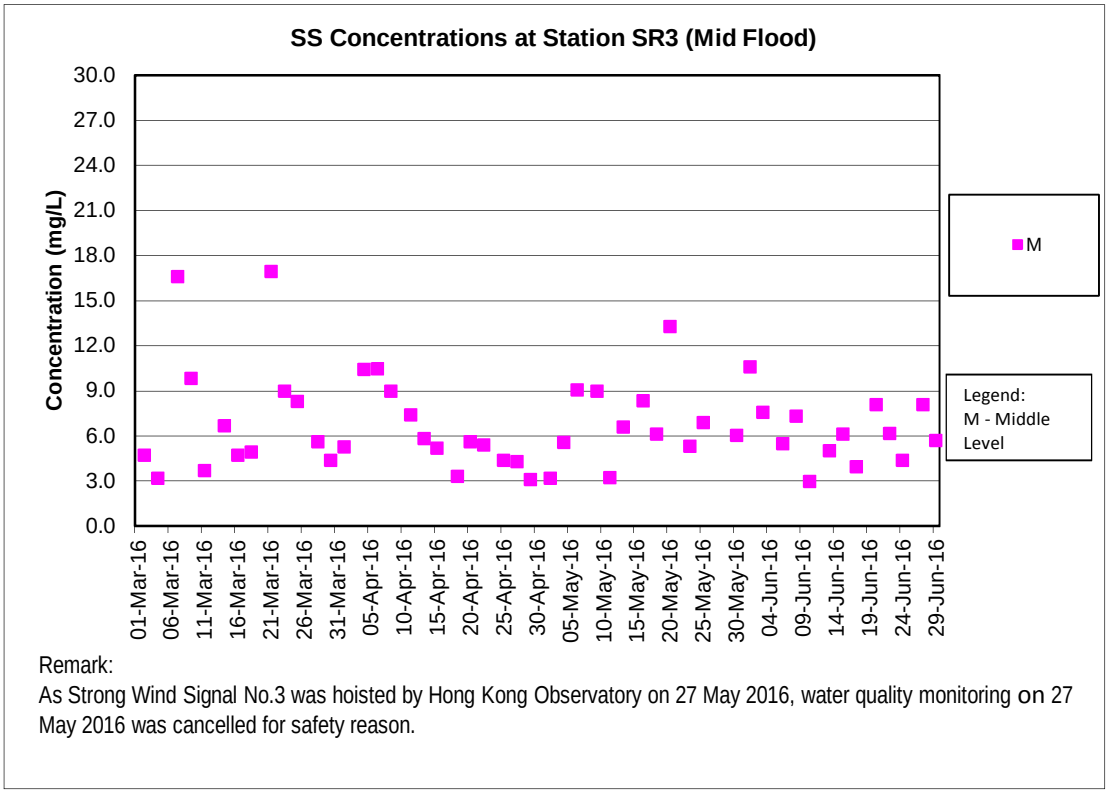
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



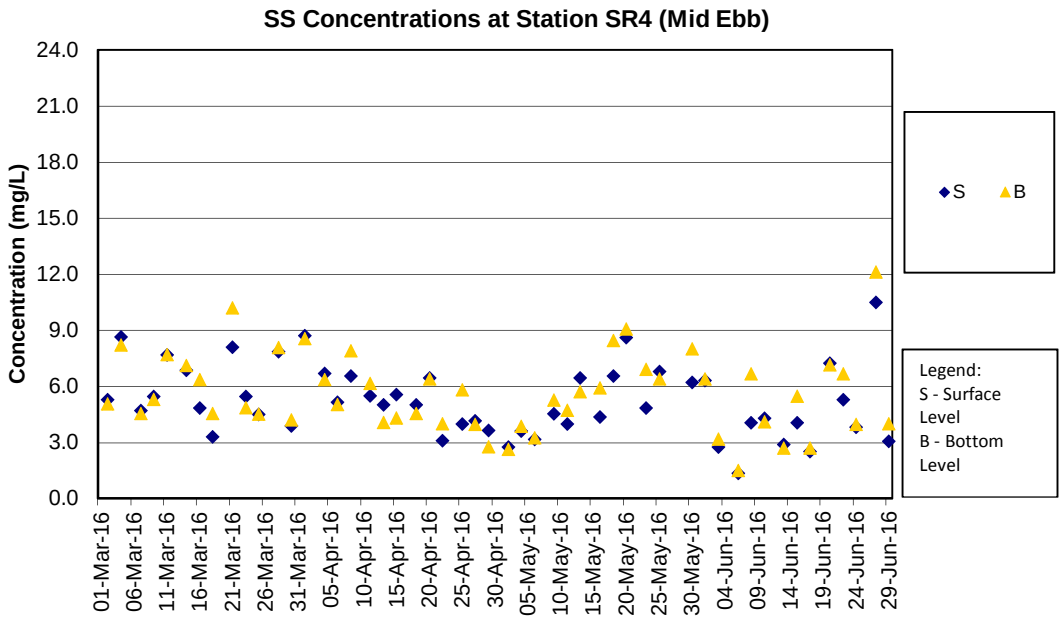
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



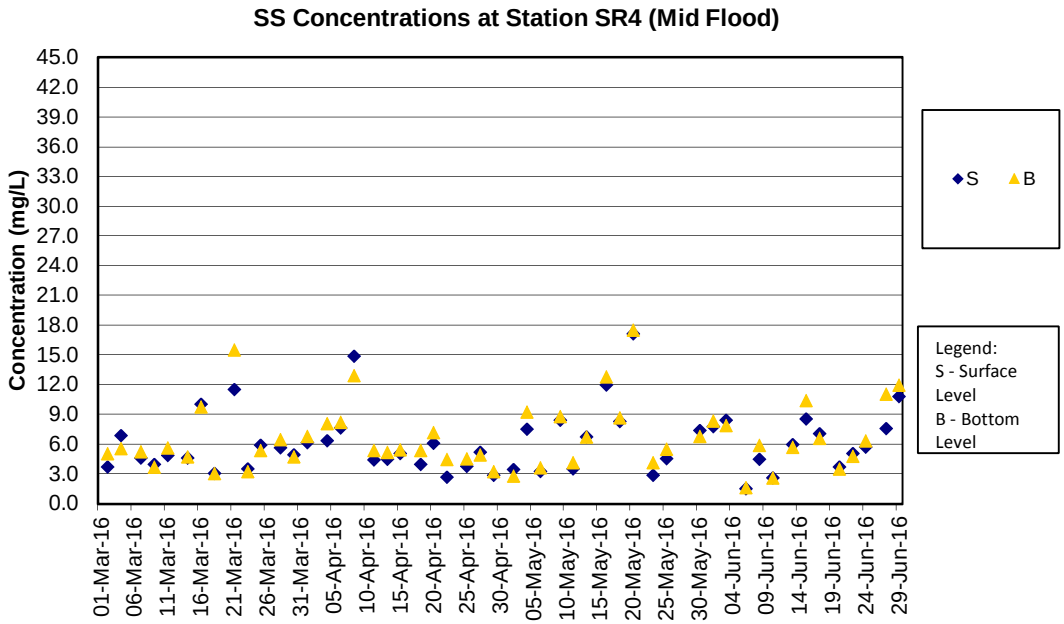
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



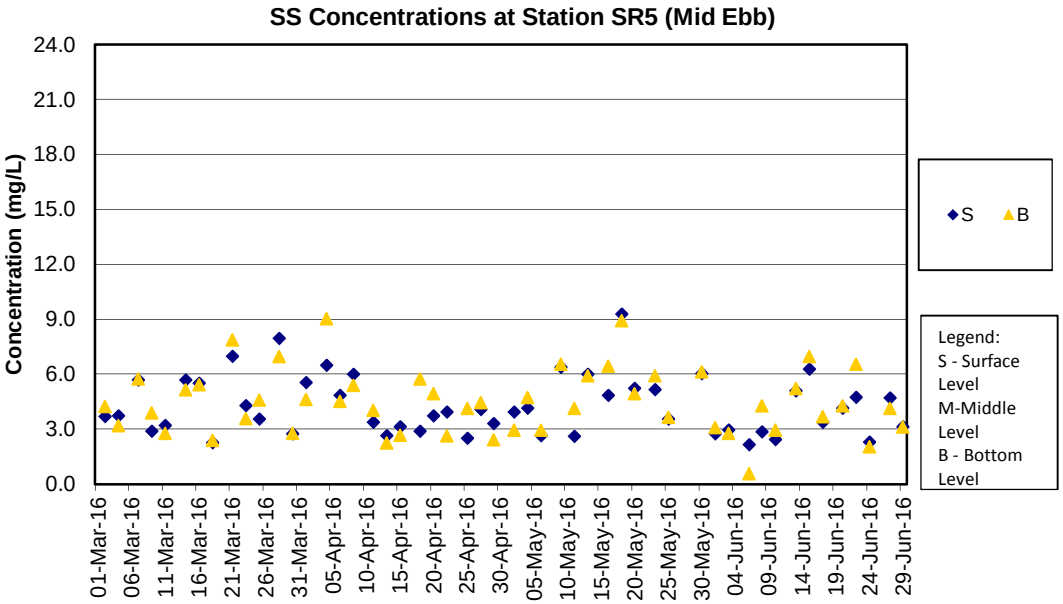
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

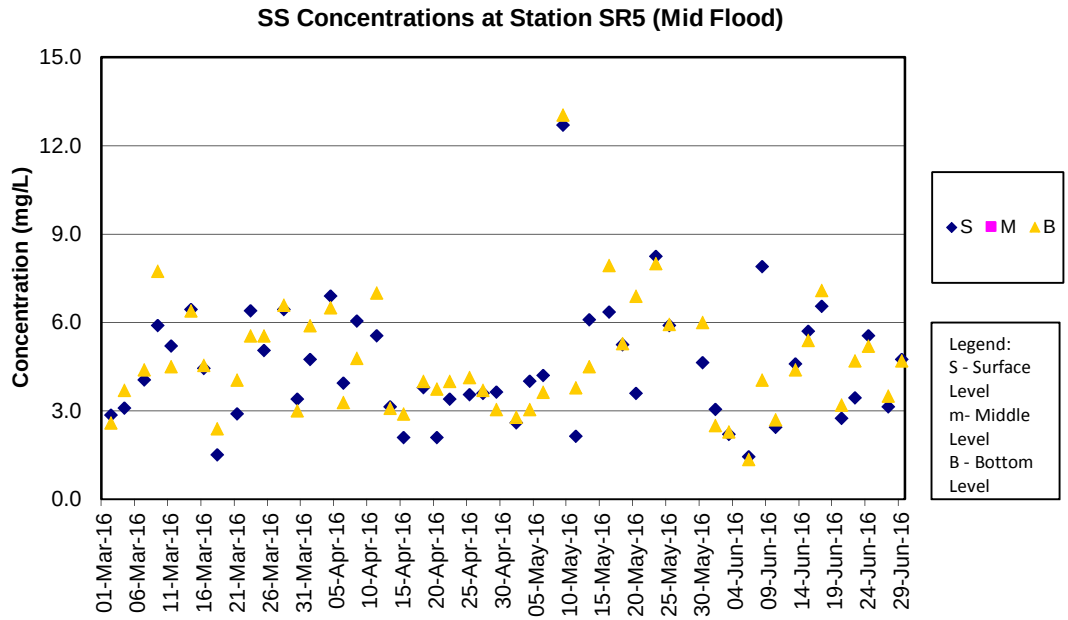


Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



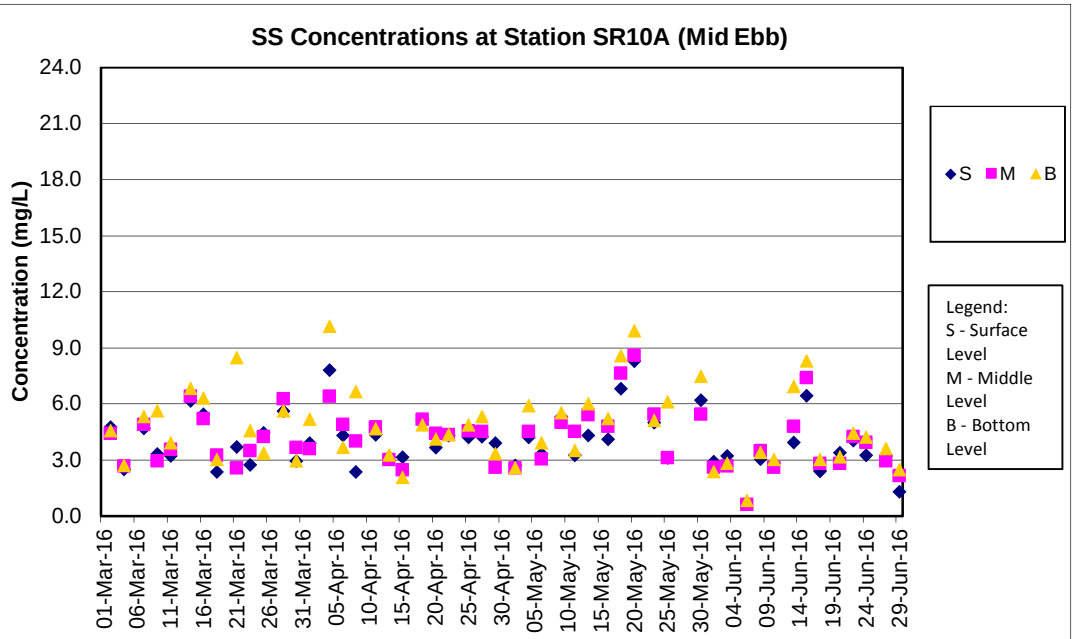
Remark:

As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

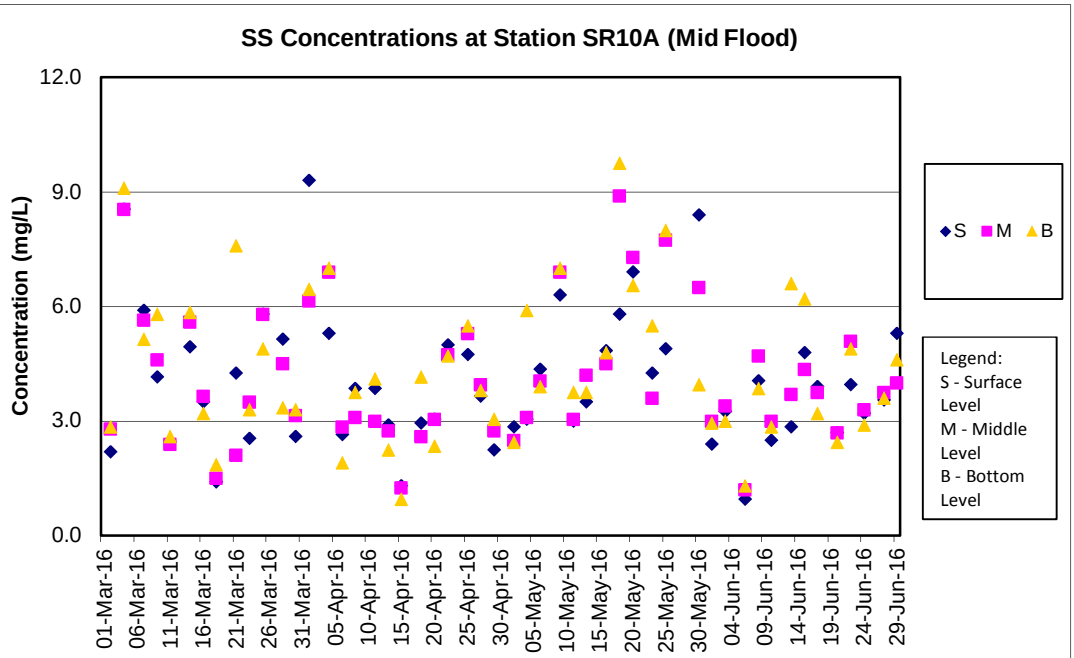


Remark:

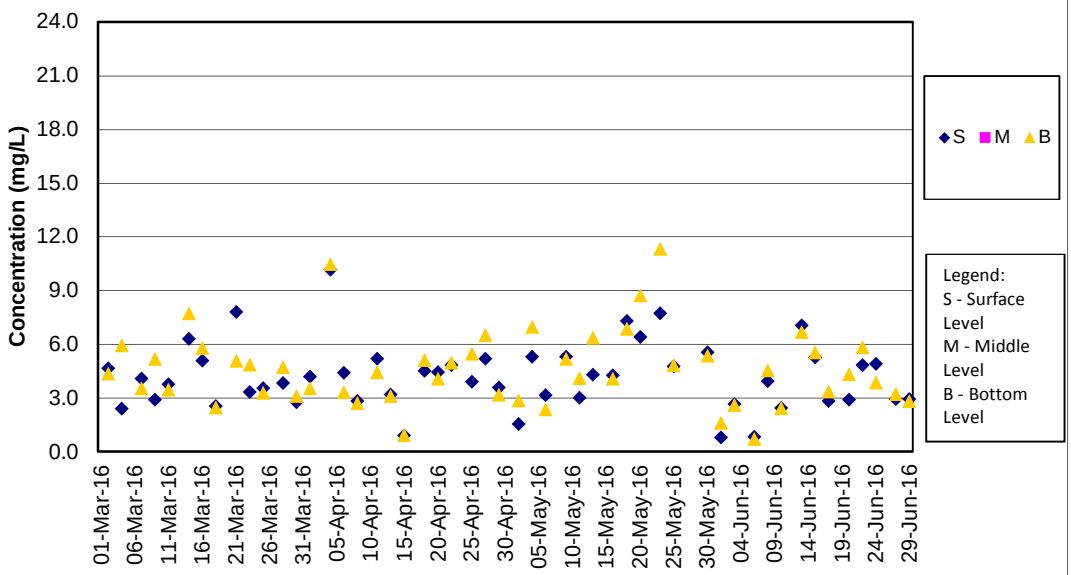
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



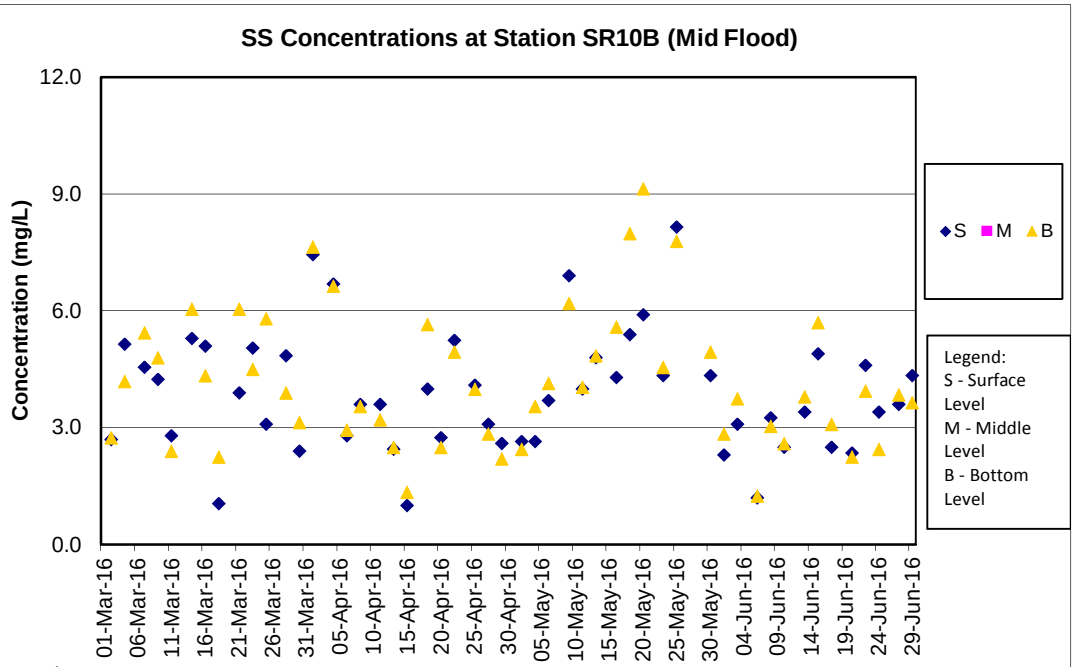
Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.



Remark:
As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.

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; 2. Inform IEC and SO; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method.	1. Notify Contractor.	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
Exceedance of Action Level for two or more consecutive samples	1. Identify source; 2. Inform IEC and SO; 3. Advise the SO on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and SO; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor;	1. Submit proposals for remedial to SO within 3 working days of notification; 2. Implement the agreed proposals; 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; 2. Inform SO, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 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; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the SO on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.
Exceedance of Limit Level for two or more consecutive samples	1. Notify IEC, SO, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and SO to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst SO, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly; 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 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; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 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; 2. Notify IEC and Contractor; 3. Report the results of investigation to the IEC, SO and Contractor; 4. Discuss with the Contractor and formulate remedial measures; 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the analysed results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the SO accordingly; 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures are properly implemented	1. Submit noise mitigation proposals to IEC; 2. Implement noise mitigation proposals.
Exceedance of Limit Level	1. Identify source; 2. Inform IEC, SO, EPD and Contractor; 3. Repeat measurements to confirm findings; 4. Increase monitoring frequency; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Inform IEC, SO and EPD the causes and actions taken for the exceedances; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst SO, ET, and Contractor on the potential remedial actions; 2. Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly; 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures properly implemented; 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; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 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; 2. Identify source(s) of impact; 3. Inform IEC, contractor and SO; 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; 2. Notify Contractor.	1. Inform the SO and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 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; 2. Identify source(s) of impact; 3. Inform IEC, contractor, SO and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5; Ensure mitigation measures are implemented; 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; 2. Discuss with ET and Contractor on possible remedial actions; 3. Review the proposed mitigation measures submitted by Contractor and advise the SO accordingly; 4. Supervise the implementation of mitigation measures.	1. Discuss with IEC on the proposed mitigation measures; 2. Ensure mitigation measures are properly implemented; 3. Assess the effectiveness of the implemented mitigation measures.	1. Inform the Engineer and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment and consider changes of working methods; 4. Submit proposal of additional mitigation measures to SO within 3 working days of notification and discuss with ET, IEC and SO; 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; 2. Identify source(s) of impact; 3. Inform IEC, contractor, SO and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, SO and Contractor;	1. Check monitoring data submitted by ET and Contractor's working method; 2. Discuss with ET and Contractor on possible remedial actions; 3. Review the proposed mitigation measures submitted by Contractor and advise the SO accordingly.	1. Confirm receipt of notification of failure in writing; 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Request Contractor to review the working methods.	1. Inform the SO and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment and consider changes of working methods; 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; 2. Identify source(s) of impact; 3. Inform IEC, contractor, SO and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, SO and Contractor; 6. Ensure mitigation measures are implemented;	1. Check monitoring data submitted by ET and Contractor's working method; 2. Discuss with ET and Contractor on possible remedial actions; 3. Review the Contractor's mitigation measures whenever necessary to assure their effectiveness and advise the SO accordingly; 4. Supervise the implementation of mitigation measures.	1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Ensure mitigation measures are properly implemented; 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; 2. Submit proposal of mitigation measures to SO within 3 working days of notification and discuss with ET, IEC and SO; 3. Implement the agreed mitigation measures; 4. Resubmit proposals of mitigation measures if problem still not under control; 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; 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; 3. Identify source(s) of impact; 4. Inform the IEC, ER/SOR and Contractor; 5. Check monitoring data. 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; 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; 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; 2. Discuss with the ET and the IEC and propose measures to the IEC and the ER/SOR; 3. Implement the agreed measures.
Limit Level	1. Repeat statistical data analysis to confirm findings; 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; 3. Identify source(s) of impact; 4. Inform the IEC, ER/SOR and Contractor of findings; 5. Check monitoring data; 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; 2. Discuss monitoring results and findings with the ET and the Contractor; 3. Attend the meeting to discuss with ET, ER/SOR and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures; 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; 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; 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; 3. Supervise the implementation of additional monitoring	1. Inform the ER/SOR and confirm notification of the non-compliance in writing; 2. Attend the meeting to discuss with ET, IEC and ER/SOR the necessity of additional dolphin monitoring and any other potential mitigation measures; 3. Jointly submit with ET to IEC a proposal of additional dolphin monitoring and/or any other mitigation measures when necessary; 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; Identify source(s) of impact; Inform the IEC, SO and Contractor; Check monitoring data; Discuss additional monitoring and any other measures, with the IEC and Contractor.	Discuss monitoring with the ET and the Contractor; 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; Make agreement on the measures to be implemented.	Inform the SO and in writing; Discuss with the ET and the IEC and propose measures to the IEC and the ER; 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
01/06/2016	00:05	2.7	ENE	01/06/2016	06:35	0.4	ENE	01/06/2016	13:05	1.3	NNW
01/06/2016	00:10	4.9	NE	01/06/2016	06:40	3.1	NE	01/06/2016	13:10	1.3	NE
01/06/2016	00:15	5.4	NE	01/06/2016	06:45	1.3	NNE	01/06/2016	13:15	2.2	NE
01/06/2016	00:20	4.9	E	01/06/2016	06:50	1.3	N	01/06/2016	13:20	1.3	N
01/06/2016	00:25	4.5	NE	01/06/2016	06:55	1.3	NNE	01/06/2016	13:25	1.3	NNE
01/06/2016	00:30	5.4	NE	01/06/2016	07:00	1.3	NNE	01/06/2016	13:30	1.3	N
01/06/2016	00:35	4	NE	01/06/2016	07:05	1.8	NNE	01/06/2016	13:35	4.9	NE
01/06/2016	00:40	4.9	NE	01/06/2016	07:10	2.2	NE	01/06/2016	13:40	5.4	NE
01/06/2016	00:45	4	NE	01/06/2016	07:15	1.3	N	01/06/2016	13:45	4.9	E
01/06/2016	00:50	3.6	NE	01/06/2016	07:20	1.3	NNE	01/06/2016	13:50	4.5	NE
01/06/2016	00:55	3.1	E	01/06/2016	07:25	1.8	NE	01/06/2016	13:55	3.1	NE
01/06/2016	01:00	3.1	ESE	01/06/2016	07:30	0.9	ENE	01/06/2016	14:00	1.3	NNE
01/06/2016	01:05	3.1	NE	01/06/2016	07:35	1.8	NE	01/06/2016	14:05	1.3	N
01/06/2016	01:10	1.3	NNE	01/06/2016	07:40	2.7	ENE	01/06/2016	14:10	1.3	NNE
01/06/2016	01:15	1.3	N	01/06/2016	07:45	2.2	ENE	01/06/2016	14:15	1.3	NNE
01/06/2016	01:20	1.3	NNE	01/06/2016	07:50	1.8	ENE	01/06/2016	14:20	1.8	NNE
01/06/2016	01:25	1.3	NNE	01/06/2016	07:55	1.8	E	01/06/2016	14:25	2.2	NE
01/06/2016	01:30	1.8	NNE	01/06/2016	08:00	1.8	NE	01/06/2016	14:30	1.3	N
01/06/2016	01:35	1.8	NNE	01/06/2016	08:05	2.2	ENE	01/06/2016	14:35	1.3	NNE
01/06/2016	01:40	1.3	NNW	01/06/2016	08:10	1.3	ENE	01/06/2016	14:40	4.5	NE
01/06/2016	01:45	1.3	NE	01/06/2016	08:15	2.7	ENE	01/06/2016	14:45	5.4	NE
01/06/2016	01:50	2.2	NE	01/06/2016	08:20	1.8	ENE	01/06/2016	14:50	4	NE
01/06/2016	01:55	1.3	N	01/06/2016	08:25	3.1	NE	01/06/2016	14:55	3.6	NE
01/06/2016	02:00	1.3	NNE	01/06/2016	08:30	1.3	NNE	01/06/2016	15:00	3.1	E
01/06/2016	02:05	1.3	N	01/06/2016	08:35	1.3	N	01/06/2016	15:05	3.1	ESE
01/06/2016	02:10	4.9	NE	01/06/2016	08:40	1.3	NNE	01/06/2016	15:10	2.2	E
01/06/2016	02:15	5.4	NE	01/06/2016	08:45	1.3	NNE	01/06/2016	15:15	3.1	NNE
01/06/2016	02:20	4.9	E	01/06/2016	08:50	1.8	NNE	01/06/2016	15:20	2.7	ENE
01/06/2016	02:25	4.5	NE	01/06/2016	08:55	1.8	NNE	01/06/2016	15:25	2.2	NE
01/06/2016	02:30	5.4	NE	01/06/2016	09:00	1.3	NNW	01/06/2016	15:30	1.8	NNE
01/06/2016	02:35	4	NE	01/06/2016	09:05	1.3	NE	01/06/2016	15:35	1.8	NE
01/06/2016	02:40	3.1	NE	01/06/2016	09:10	2.2	NE	01/06/2016	15:40	1.8	NE
01/06/2016	02:45	1.3	NNE	01/06/2016	09:15	1.3	N	01/06/2016	15:45	1.8	NNE
01/06/2016	02:50	1.3	N	01/06/2016	09:20	1.3	NNE	01/06/2016	15:50	1.8	NNE
01/06/2016	02:55	1.3	NNE	01/06/2016	09:25	1.3	N	01/06/2016	15:55	1.3	NE
01/06/2016	03:00	1.3	NNE	01/06/2016	09:30	4.9	NE	01/06/2016	16:00	1.8	ENE
01/06/2016	03:05	1.8	NNE	01/06/2016	09:35	5.4	NE	01/06/2016	16:05	1.8	E
01/06/2016	03:10	1.8	NNE	01/06/2016	09:40	4.9	E	01/06/2016	16:10	3.1	NE
01/06/2016	03:15	1.3	SW	01/06/2016	09:45	4.5	NE	01/06/2016	16:15	1.3	NNE
01/06/2016	03:20	0.9	SW	01/06/2016	09:50	1.3	NNE	01/06/2016	16:20	1.3	N
01/06/2016	03:25	0.9	SSW	01/06/2016	09:55	1.8	NE	01/06/2016	16:25	1.3	NNE
01/06/2016	03:30	0.9	W	01/06/2016	10:00	2.7	ENE	01/06/2016	16:30	1.3	NNE
01/06/2016	03:35	0.9	ESE	01/06/2016	10:05	2.2	ENE	01/06/2016	16:35	1.8	NNE
01/06/2016	03:40	0.9	ESE	01/06/2016	10:10	1.8	ENE	01/06/2016	16:40	2.2	NE
01/06/2016	03:45	0.4	ESE	01/06/2016	10:15	1.8	E	01/06/2016	16:45	1.3	N
01/06/2016	03:50	1.3	ENE	01/06/2016	10:20	1.8	NE	01/06/2016	16:50	3.1	NE
01/06/2016	03:55	1.3	NNE	01/06/2016	10:25	1.8	NE	01/06/2016	16:55	1.3	NNE
01/06/2016	04:00	1.3	E	01/06/2016	10:30	2.7	ENE	01/06/2016	17:00	1.3	N
01/06/2016	04:05	3.1	NE	01/06/2016	10:35	2.7	NE	01/06/2016	17:05	1.3	NNE
01/06/2016	04:10	1.3	NNE	01/06/2016	10:40	2.2	NE	01/06/2016	17:10	1.3	NNE
01/06/2016	04:15	1.3	N	01/06/2016	10:45	1.8	NNE	01/06/2016	17:15	1.8	NNE
01/06/2016	04:20	1.3	NNE	01/06/2016	10:50	2.2	NE	01/06/2016	17:20	1.8	NNE
01/06/2016	04:25	1.3	NNE	01/06/2016	10:55	4.5	E	01/06/2016	17:25	1.3	NNW
01/06/2016	04:30	1.8	NNE	01/06/2016	11:00	4	ENE	01/06/2016	17:30	1.3	NE
01/06/2016	04:35	2.2	NE	01/06/2016	11:05	3.6	ENE	01/06/2016	17:35	2.2	NE
01/06/2016	04:40	3.1	NE	01/06/2016	11:10	4	NE	01/06/2016	17:40	1.3	N
01/06/2016	04:45	1.3	NNE	01/06/2016	11:15	4.5	NE	01/06/2016	17:45	1.3	NNE
01/06/2016	04:50	1.3	N	01/06/2016	11:20	4.5	NE	01/06/2016	17:50	1.3	N
01/06/2016	04:55	1.3	NNE	01/06/2016	11:25	3.1	NE	01/06/2016	17:55	4.9	NE
01/06/2016	05:00	1.3	NNE	01/06/2016	11:30	1.3	NNE	01/06/2016	18:00	5.4	NE
01/06/2016	05:05	1.8	NNE	01/06/2016	11:35	1.3	N	01/06/2016	18:05	4.9	E
01/06/2016	05:10	1.8	NNE	01/06/2016	11:40	1.3	NNE	01/06/2016	18:10	4.5	NE
01/06/2016	05:15	1.3	NNW	01/06/2016	11:45	1.3	NNE	01/06/2016	18:15	1.3	SW
01/06/2016	05:20	1.3	NE	01/06/2016	11:50	1.8	NNE	01/06/2016	18:20	0.9	SW
01/06/2016	05:25	2.2	NE	01/06/2016	11:55	2.2	NE	01/06/2016	18:25	0.9	SW
01/06/2016	05:30	1.3	N	01/06/2016	12:00	1.3	N	01/06/2016	18:30	0.4	SW
01/06/2016	05:35	1.3	NNE	01/06/2016	12:05	1.3	NNE	01/06/2016	18:35	0.4	WNW
01/06/2016	05:40	1.3	N	01/06/2016	12:10	4	NE	01/06/2016	18:40	3.1	NE
01/06/2016	05:45	4.9	NE	01/06/2016	12:15	4.9	NE	01/06/2016	18:45	1.3	NNE
01/06/2016	05:50	5.4	NE	01/06/2016	12:20	4	NE	01/06/2016	18:50	1.3	N
01/06/2016	05:55	4.9	E	01/06/2016	12:25	3.6	NE	01/06/2016	18:55	1.3	NNE
01/06/2016	06:00	4.5	NE	01/06/2016	12:30	3.1	NE	01/06/2016	19:00	1.3	NNE
01/06/2016	06:05	0.4	ESE	01/06/2016	12:35	1.3	NNE	01/06/2016	19:05	1.8	NNE
01/06/2016	06:10	1.3	ENE	01/06/2016	12:40	1.3	N	01/06/2016	19:10	2.2	NE
01/06/2016	06:15	1.3	NNE	01/06/2016	12:45	1.3	NNE	01/06/2016	19:15	1.3	N
01/06/2016	06:20	1.3	E	01/06/2016	12:50	1.3	NNE	01/06/2016	19:20	1.3	NNE
01/06/2016	06:25	1.8	ENE	01/06/2016	12:55	1.8	NNE	01/06/2016	19:25	0.9	NW
01/06/2016	06:30	0.4	ENE	01/06/2016	13:00	1.8	NNE	01/06/2016	19:30	1.3	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
01/06/2016	19:35	0.9	NNW	02/06/2016	02:05	8.5	ENE	02/06/2016	08:35	1.3	SSW
01/06/2016	19:40	1.3	NNE	02/06/2016	02:10	1.8	N	02/06/2016	08:40	1.8	W
01/06/2016	19:45	0.9	NNE	02/06/2016	02:15	1.8	NE	02/06/2016	08:45	4.5	ENE
01/06/2016	19:50	1.3	W	02/06/2016	02:20	2.7	W	02/06/2016	08:50	3.1	NE
01/06/2016	19:55	0.4	ESE	02/06/2016	02:25	2.2	WSW	02/06/2016	08:55	3.1	NNE
01/06/2016	20:00	2.7	ENE	02/06/2016	02:30	3.1	WSW	02/06/2016	09:00	4.5	NE
01/06/2016	20:05	2.7	NE	02/06/2016	02:35	1.8	ENE	02/06/2016	09:05	4.9	ENE
01/06/2016	20:10	2.7	ENE	02/06/2016	02:40	1.3	WNW	02/06/2016	09:10	3.6	ENE
01/06/2016	20:15	2.2	ENE	02/06/2016	02:45	1.3	SSW	02/06/2016	09:15	2.7	N
01/06/2016	20:20	2.2	ENE	02/06/2016	02:50	1.8	W	02/06/2016	09:20	2.2	N
01/06/2016	20:25	3.1	ENE	02/06/2016	02:55	4.5	ENE	02/06/2016	09:25	1.8	N
01/06/2016	20:30	2.7	ENE	02/06/2016	03:00	3.1	NE	02/06/2016	09:30	1.8	N
01/06/2016	20:35	3.1	NE	02/06/2016	03:05	3.1	NNE	02/06/2016	09:35	1.3	WNW
01/06/2016	20:40	1.3	NNE	02/06/2016	03:10	4.5	NE	02/06/2016	09:40	0.9	NE
01/06/2016	20:45	1.3	N	02/06/2016	03:15	4.9	ENE	02/06/2016	09:45	1.3	WNW
01/06/2016	20:50	1.3	NNE	02/06/2016	03:20	3.6	ENE	02/06/2016	09:50	1.3	W
01/06/2016	20:55	1.3	NNE	02/06/2016	03:25	2.7	N	02/06/2016	09:55	1.8	N
01/06/2016	21:00	1.8	NNE	02/06/2016	03:30	2.2	N	02/06/2016	10:00	1.8	WNW
01/06/2016	21:05	1.8	NNE	02/06/2016	03:35	1.8	N	02/06/2016	10:05	1.3	W
01/06/2016	21:10	1.3	NNW	02/06/2016	03:40	1.8	NE	02/06/2016	10:10	2.7	E
01/06/2016	21:15	1.3	NE	02/06/2016	03:45	2.7	W	02/06/2016	10:15	1.8	NE
01/06/2016	21:20	2.2	NE	02/06/2016	03:50	2.2	WSW	02/06/2016	10:20	2.2	ENE
01/06/2016	21:25	1.3	N	02/06/2016	03:55	3.1	WSW	02/06/2016	10:25	4.9	E
01/06/2016	21:30	1.3	NNE	02/06/2016	04:00	1.8	ENE	02/06/2016	10:30	4.9	E
01/06/2016	21:35	1.3	N	02/06/2016	04:05	1.3	WNW	02/06/2016	10:35	4.5	E
01/06/2016	21:40	4.9	NE	02/06/2016	04:10	1.3	SSW	02/06/2016	10:40	4.5	E
01/06/2016	21:45	5.4	NE	02/06/2016	04:15	1.8	W	02/06/2016	10:45	4.9	E
01/06/2016	21:50	4.9	E	02/06/2016	04:20	2.7	WNW	02/06/2016	10:50	4.5	E
01/06/2016	21:55	4.5	NE	02/06/2016	04:25	2.2	NE	02/06/2016	10:55	4.9	E
01/06/2016	22:00	0.4	ENE	02/06/2016	04:30	2.2	NW	02/06/2016	11:00	4.5	ENE
01/06/2016	22:05	2.2	ENE	02/06/2016	04:35	2.7	NNE	02/06/2016	11:05	4.5	ENE
01/06/2016	22:10	2.2	ENE	02/06/2016	04:40	1.8	E	02/06/2016	11:10	1.8	N
01/06/2016	22:15	3.1	ENE	02/06/2016	04:45	3.1	NE	02/06/2016	11:15	1.8	NE
01/06/2016	22:20	2.7	ENE	02/06/2016	04:50	3.6	NE	02/06/2016	11:20	2.7	W
01/06/2016	22:25	2.7	NE	02/06/2016	04:55	1.8	N	02/06/2016	11:25	2.2	WSW
01/06/2016	22:30	3.1	ENE	02/06/2016	05:00	1.8	NE	02/06/2016	11:30	1.8	N
01/06/2016	22:35	2.2	ENE	02/06/2016	05:05	2.7	W	02/06/2016	11:35	1.8	NE
01/06/2016	22:40	1.3	ENE	02/06/2016	05:10	2.2	WSW	02/06/2016	11:40	2.7	W
01/06/2016	22:45	0.9	NW	02/06/2016	05:15	3.1	WSW	02/06/2016	11:45	2.2	WSW
01/06/2016	22:50	3.1	NE	02/06/2016	05:20	1.8	ENE	02/06/2016	11:50	3.1	WSW
01/06/2016	22:55	1.3	NNE	02/06/2016	05:25	1.3	WNW	02/06/2016	11:55	1.8	ENE
01/06/2016	23:00	1.3	N	02/06/2016	05:30	1.3	SSW	02/06/2016	12:00	1.3	WNW
01/06/2016	23:05	1.3	NNE	02/06/2016	05:35	1.8	W	02/06/2016	12:05	1.3	SSW
01/06/2016	23:10	1.3	NNE	02/06/2016	05:40	4.5	ENE	02/06/2016	12:10	1.8	W
01/06/2016	23:15	1.8	NNE	02/06/2016	05:45	3.1	NE	02/06/2016	12:15	4.5	ENE
01/06/2016	23:20	1.8	NNE	02/06/2016	05:50	3.1	NNE	02/06/2016	12:20	3.1	NE
01/06/2016	23:25	1.3	NNW	02/06/2016	05:55	4.5	NE	02/06/2016	12:25	3.1	NNE
01/06/2016	23:30	1.3	NE	02/06/2016	06:00	4.9	ENE	02/06/2016	12:30	4.5	NE
01/06/2016	23:35	2.2	NE	02/06/2016	06:05	3.6	ENE	02/06/2016	12:35	4.9	ENE
01/06/2016	23:40	1.3	N	02/06/2016	06:10	2.7	N	02/06/2016	12:40	3.6	ENE
01/06/2016	23:45	1.3	NNE	02/06/2016	06:15	2.2	N	02/06/2016	12:45	2.7	N
01/06/2016	23:50	1.3	N	02/06/2016	06:20	1.8	N	02/06/2016	12:50	2.2	N
01/06/2016	23:55	4.9	NE	02/06/2016	06:25	1.8	NE	02/06/2016	12:55	1.8	N
02/06/2016	00:00	5.4	NE	02/06/2016	06:30	2.7	W	02/06/2016	13:00	4.5	NE
02/06/2016	00:05	3.1	ENE	02/06/2016	06:35	2.2	WSW	02/06/2016	13:05	4.5	NE
02/06/2016	00:10	4.9	NE	02/06/2016	06:40	3.1	WSW	02/06/2016	13:10	4.9	NE
02/06/2016	00:15	4.5	NE	02/06/2016	06:45	1.8	ENE	02/06/2016	13:15	4.5	NE
02/06/2016	00:20	4.5	NE	02/06/2016	06:50	1.3	WNW	02/06/2016	13:20	4.5	NE
02/06/2016	00:25	1.8	N	02/06/2016	06:55	1.3	SSW	02/06/2016	13:25	4.5	E
02/06/2016	00:30	1.8	NE	02/06/2016	07:00	1.8	W	02/06/2016	13:30	4.9	NE
02/06/2016	00:35	2.7	W	02/06/2016	07:05	4.5	E	02/06/2016	13:35	4.9	NE
02/06/2016	00:40	2.2	WSW	02/06/2016	07:10	5.8	E	02/06/2016	13:40	1.8	N
02/06/2016	00:45	3.1	WSW	02/06/2016	07:15	4.9	E	02/06/2016	13:45	1.8	NE
02/06/2016	00:50	1.8	ENE	02/06/2016	07:20	5.4	E	02/06/2016	13:50	2.7	W
02/06/2016	00:55	1.3	WNW	02/06/2016	07:25	5.8	E	02/06/2016	13:55	2.2	WSW
02/06/2016	01:00	1.3	SSW	02/06/2016	07:30	4.9	E	02/06/2016	14:00	3.1	WSW
02/06/2016	01:05	1.8	W	02/06/2016	07:35	4.9	E	02/06/2016	14:05	1.8	ENE
02/06/2016	01:10	7.2	ENE	02/06/2016	07:40	4.5	E	02/06/2016	14:10	1.3	WNW
02/06/2016	01:15	7.6	ENE	02/06/2016	07:45	4.5	E	02/06/2016	14:15	1.3	SSW
02/06/2016	01:20	6.7	E	02/06/2016	07:50	4.9	E	02/06/2016	14:20	1.8	W
02/06/2016	01:25	7.2	ENE	02/06/2016	07:55	4.5	E	02/06/2016	14:25	5.4	E
02/06/2016	01:30	5.8	ENE	02/06/2016	08:00	1.8	N	02/06/2016	14:30	4.5	ENE
02/06/2016	01:35	6.3	NE	02/06/2016	08:05	1.8	NE	02/06/2016	14:35	4.5	E
02/06/2016	01:40	5.8	ENE	02/06/2016	08:10	2.7	W	02/06/2016	14:40	3.6	ENE
02/06/2016	01:45	6.7	NE	02/06/2016	08:15	2.2	WSW	02/06/2016	14:45	4.9	ENE
02/06/2016	01:50	7.6	ENE	02/06/2016	08:20	3.1	WSW	02/06/2016	14:50	3.6	ENE
02/06/2016	01:55	6.7	ENE	02/06/2016	08:25	1.8	ENE	02/06/2016	14:55	4.9	NE
02/06/2016	02:00	8	ENE	02/06/2016	08:30	1.3	WNW	02/06/2016	15:00	4.5	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
02/06/2016	15:05	4.5	NE	02/06/2016	21:35	1.8	NE	03/06/2016	04:05	1.8	E
02/06/2016	15:10	4.5	E	02/06/2016	21:40	2.7	W	03/06/2016	04:10	0.4	E
02/06/2016	15:15	1.8	N	02/06/2016	21:45	2.2	WSW	03/06/2016	04:15	1.3	NE
02/06/2016	15:20	1.8	NE	02/06/2016	21:50	3.1	WSW	03/06/2016	04:20	1.3	ENE
02/06/2016	15:25	2.7	W	02/06/2016	21:55	1.8	ENE	03/06/2016	04:25	1.8	E
02/06/2016	15:30	2.2	WSW	02/06/2016	22:00	1.3	WNW	03/06/2016	04:30	1.3	ENE
02/06/2016	15:35	3.1	WSW	02/06/2016	22:05	1.3	SSW	03/06/2016	04:35	1.3	E
02/06/2016	15:40	1.8	ENE	02/06/2016	22:10	1.8	W	03/06/2016	04:40	0.4	E
02/06/2016	15:45	1.3	WNW	02/06/2016	22:15	4.5	ENE	03/06/2016	04:45	1.3	NE
02/06/2016	15:50	1.3	SSW	02/06/2016	22:20	3.1	NE	03/06/2016	04:50	1.3	ENE
02/06/2016	15:55	1.8	W	02/06/2016	22:25	3.1	NNE	03/06/2016	04:55	1.8	E
02/06/2016	16:00	4.5	ENE	02/06/2016	22:30	4.5	NE	03/06/2016	05:00	1.8	E
02/06/2016	16:05	3.1	NE	02/06/2016	22:35	4.9	ENE	03/06/2016	05:05	1.8	E
02/06/2016	16:10	3.1	NNE	02/06/2016	22:40	3.6	ENE	03/06/2016	05:10	2.2	ENE
02/06/2016	16:15	4.5	NE	02/06/2016	22:45	2.7	N	03/06/2016	05:15	1.8	ENE
02/06/2016	16:20	4.9	ENE	02/06/2016	22:50	2.2	N	03/06/2016	05:20	1.8	E
02/06/2016	16:25	3.6	ENE	02/06/2016	22:55	1.8	N	03/06/2016	05:25	1.8	ENE
02/06/2016	16:30	2.7	N	02/06/2016	23:00	5.8	ENE	03/06/2016	05:30	1.8	ENE
02/06/2016	16:35	2.2	N	02/06/2016	23:05	1.8	N	03/06/2016	05:35	1.8	ENE
02/06/2016	16:40	1.8	N	02/06/2016	23:10	1.8	NE	03/06/2016	05:40	1.8	ENE
02/06/2016	16:45	3.1	WSW	02/06/2016	23:15	2.7	W	03/06/2016	05:45	2.7	E
02/06/2016	16:50	1.8	ENE	02/06/2016	23:20	2.2	WSW	03/06/2016	05:50	1.8	NE
02/06/2016	16:55	1.3	WNW	02/06/2016	23:25	1.8	N	03/06/2016	05:55	2.2	NE
02/06/2016	17:00	1.3	SSW	02/06/2016	23:30	1.8	NE	03/06/2016	06:00	2.2	ENE
02/06/2016	17:05	1.8	W	02/06/2016	23:35	2.7	W	03/06/2016	06:05	1.3	E
02/06/2016	17:10	7.2	ENE	02/06/2016	23:40	2.2	WSW	03/06/2016	06:10	0.4	E
02/06/2016	17:15	6.7	ENE	02/06/2016	23:45	3.1	WSW	03/06/2016	06:15	1.3	NE
02/06/2016	17:20	8.5	ENE	02/06/2016	23:50	1.8	ENE	03/06/2016	06:20	1.3	ENE
02/06/2016	17:25	8	ENE	02/06/2016	23:55	1.3	WNW	03/06/2016	06:25	1.8	E
02/06/2016	17:30	7.2	ENE	03/06/2016	00:00	1.3	SSW	03/06/2016	06:30	1.8	E
02/06/2016	17:35	7.6	ENE	03/06/2016	00:05	1.3	E	03/06/2016	06:35	1.8	E
02/06/2016	17:40	6.7	ENE	03/06/2016	00:10	0.4	E	03/06/2016	06:40	2.2	ENE
02/06/2016	17:45	8	ENE	03/06/2016	00:15	1.3	NE	03/06/2016	06:45	1.8	ENE
02/06/2016	17:50	8.5	ENE	03/06/2016	00:20	1.3	ENE	03/06/2016	06:50	1.8	E
02/06/2016	17:55	7.6	ENE	03/06/2016	00:25	1.8	E	03/06/2016	06:55	2.2	ENE
02/06/2016	18:00	7.2	ENE	03/06/2016	00:30	1.3	ENE	03/06/2016	07:00	2.2	E
02/06/2016	18:05	7.2	E	03/06/2016	00:35	1.3	E	03/06/2016	07:05	3.1	E
02/06/2016	18:10	6.3	E	03/06/2016	00:40	0.4	E	03/06/2016	07:10	3.1	ENE
02/06/2016	18:15	5.8	E	03/06/2016	00:45	1.3	NE	03/06/2016	07:15	3.1	E
02/06/2016	18:20	4.9	E	03/06/2016	00:50	1.3	ENE	03/06/2016	07:20	2.7	E
02/06/2016	18:25	6.7	ENE	03/06/2016	00:55	1.8	E	03/06/2016	07:25	2.2	E
02/06/2016	18:30	5.8	ENE	03/06/2016	01:00	1.8	E	03/06/2016	07:30	1.8	E
02/06/2016	18:35	6.3	ENE	03/06/2016	01:05	1.8	E	03/06/2016	07:35	2.2	E
02/06/2016	18:40	6.7	NE	03/06/2016	01:10	2.2	ENE	03/06/2016	07:40	2.7	E
02/06/2016	18:45	5.8	ENE	03/06/2016	01:15	1.8	ENE	03/06/2016	07:45	1.8	NE
02/06/2016	18:50	5.4	ENE	03/06/2016	01:20	1.8	E	03/06/2016	07:50	1.8	E
02/06/2016	18:55	1.8	N	03/06/2016	01:25	1.8	ENE	03/06/2016	07:55	1.3	E
02/06/2016	19:00	1.8	N	03/06/2016	01:30	1.8	ENE	03/06/2016	08:00	2.2	E
02/06/2016	19:05	1.8	NE	03/06/2016	01:35	1.8	ENE	03/06/2016	08:05	2.2	E
02/06/2016	19:10	2.7	W	03/06/2016	01:40	1.8	ENE	03/06/2016	08:10	2.7	E
02/06/2016	19:15	2.2	WSW	03/06/2016	01:45	2.7	E	03/06/2016	08:15	2.2	E
02/06/2016	19:20	3.1	WSW	03/06/2016	01:50	2.7	E	03/06/2016	08:20	2.2	ENE
02/06/2016	19:25	1.8	ENE	03/06/2016	01:55	2.7	ENE	03/06/2016	08:25	2.2	E
02/06/2016	19:30	1.3	WNW	03/06/2016	02:00	2.7	ENE	03/06/2016	08:30	2.2	ENE
02/06/2016	19:35	1.3	SSW	03/06/2016	02:05	3.1	E	03/06/2016	08:35	2.2	E
02/06/2016	19:40	1.8	W	03/06/2016	02:10	3.1	ENE	03/06/2016	08:40	0.4	E
02/06/2016	19:45	4.5	ENE	03/06/2016	02:15	2.7	ENE	03/06/2016	08:45	1.3	NE
02/06/2016	19:50	3.1	NE	03/06/2016	02:20	1.8	NE	03/06/2016	08:50	1.3	ENE
02/06/2016	19:55	3.1	NNE	03/06/2016	02:25	2.2	NE	03/06/2016	08:55	1.8	E
02/06/2016	20:00	4.5	NE	03/06/2016	02:30	3.6	E	03/06/2016	09:00	1.3	ENE
02/06/2016	20:05	4.9	ENE	03/06/2016	02:35	2.7	E	03/06/2016	09:05	1.3	E
02/06/2016	20:10	3.6	ENE	03/06/2016	02:40	1.8	E	03/06/2016	09:10	0.4	E
02/06/2016	20:15	2.7	N	03/06/2016	02:45	2.7	ENE	03/06/2016	09:15	1.3	NE
02/06/2016	20:20	2.2	N	03/06/2016	02:50	3.1	E	03/06/2016	09:20	1.3	ENE
02/06/2016	20:25	1.8	N	03/06/2016	02:55	2.2	ENE	03/06/2016	09:25	1.8	E
02/06/2016	20:30	3.1	NNE	03/06/2016	03:00	3.1	E	03/06/2016	09:30	1.8	E
02/06/2016	20:35	3.1	NE	03/06/2016	03:05	3.1	E	03/06/2016	09:35	1.8	E
02/06/2016	20:40	2.2	NNE	03/06/2016	03:10	3.6	E	03/06/2016	09:40	2.2	ENE
02/06/2016	20:45	3.1	E	03/06/2016	03:15	3.1	ENE	03/06/2016	09:45	1.8	ENE
02/06/2016	20:50	2.7	ENE	03/06/2016	03:20	0.9	ESE	03/06/2016	09:50	1.8	E
02/06/2016	20:55	4.5	NE	03/06/2016	03:25	1.8	E	03/06/2016	09:55	1.8	ENE
02/06/2016	21:00	4.9	ENE	03/06/2016	03:30	2.7	ENE	03/06/2016	10:00	1.8	ENE
02/06/2016	21:05	3.6	ENE	03/06/2016	03:35	1.3	E	03/06/2016	10:05	1.8	ENE
02/06/2016	21:10	2.7	N	03/06/2016	03:40	0.4	E	03/06/2016	10:10	1.8	ENE
02/06/2016	21:15	2.2	N	03/06/2016	03:45	1.3	NE	03/06/2016	10:15	2.7	E
02/06/2016	21:20	1.8	N	03/06/2016	03:50	1.3	ENE	03/06/2016	10:20	3.1	ENE
02/06/2016	21:25	4.5	ENE	03/06/2016	03:55	1.8	E	03/06/2016	10:25	4.9	E
02/06/2016	21:30	1.8	N	03/06/2016	04:00	1.8	E	03/06/2016	10:30	4.9	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
03/06/2016	10:35	4	E	03/06/2016	17:05	1.8	ENE	03/06/2016	23:35	1.8	E
03/06/2016	10:40	4.5	E	03/06/2016	17:10	1.8	E	03/06/2016	23:40	2.2	ENE
03/06/2016	10:45	4.9	E	03/06/2016	17:15	4.5	E	03/06/2016	23:45	1.8	ENE
03/06/2016	10:50	3.6	NE	03/06/2016	17:20	4.9	ENE	03/06/2016	23:50	1.8	E
03/06/2016	10:55	3.1	ENE	03/06/2016	17:25	4.9	E	03/06/2016	23:55	4.9	ENE
03/06/2016	11:00	4	ENE	03/06/2016	17:30	4	E	04/06/2016	00:00	5.8	E
03/06/2016	11:05	4.5	E	03/06/2016	17:35	4	E	04/06/2016	00:05	1.8	WNW
03/06/2016	11:10	4.5	E	03/06/2016	17:40	4.9	E	04/06/2016	00:10	1.3	W
03/06/2016	11:15	3.6	E	03/06/2016	17:45	4.9	E	04/06/2016	00:15	0.9	NW
03/06/2016	11:20	2.7	E	03/06/2016	17:50	5.8	E	04/06/2016	00:20	1.3	W
03/06/2016	11:25	3.1	E	03/06/2016	17:55	5.4	E	04/06/2016	00:25	1.3	NW
03/06/2016	11:30	3.1	E	03/06/2016	18:00	4.5	E	04/06/2016	00:30	1.8	W
03/06/2016	11:35	2.2	E	03/06/2016	18:05	5.8	E	04/06/2016	00:35	1.8	WNW
03/06/2016	11:40	4	E	03/06/2016	18:10	4.9	ENE	04/06/2016	00:40	1.8	W
03/06/2016	11:45	4.9	E	03/06/2016	18:15	0.4	E	04/06/2016	00:45	1.8	NW
03/06/2016	11:50	4.9	ENE	03/06/2016	18:20	1.3	NE	04/06/2016	00:50	1.8	NW
03/06/2016	11:55	0.4	E	03/06/2016	18:25	1.3	ENE	04/06/2016	00:55	1.8	WNW
03/06/2016	12:00	1.3	NE	03/06/2016	18:30	1.8	E	04/06/2016	01:00	3.1	NW
03/06/2016	12:05	1.3	ENE	03/06/2016	18:35	1.3	ENE	04/06/2016	01:05	1.3	W
03/06/2016	12:10	1.8	E	03/06/2016	18:40	1.3	E	04/06/2016	01:10	0.9	NW
03/06/2016	12:15	1.3	ENE	03/06/2016	18:45	0.4	E	04/06/2016	01:15	1.3	W
03/06/2016	12:20	1.3	E	03/06/2016	18:50	1.3	NE	04/06/2016	01:20	1.8	WNW
03/06/2016	12:25	0.4	E	03/06/2016	18:55	1.3	ENE	04/06/2016	01:25	1.8	W
03/06/2016	12:30	1.3	NE	03/06/2016	19:00	1.8	E	04/06/2016	01:30	1.8	NW
03/06/2016	12:35	1.3	ENE	03/06/2016	19:05	1.8	E	04/06/2016	01:35	2.2	WNW
03/06/2016	12:40	1.8	E	03/06/2016	19:10	1.8	E	04/06/2016	01:40	2.2	NW
03/06/2016	12:45	1.8	E	03/06/2016	19:15	2.2	ENE	04/06/2016	01:45	2.2	NW
03/06/2016	12:50	1.8	E	03/06/2016	19:20	1.8	ENE	04/06/2016	01:50	0.9	WNW
03/06/2016	12:55	2.2	ENE	03/06/2016	19:25	1.8	E	04/06/2016	01:55	1.3	W
03/06/2016	13:00	1.8	ENE	03/06/2016	19:30	1.8	ENE	04/06/2016	02:00	2.7	W
03/06/2016	13:05	1.8	E	03/06/2016	19:35	1.8	ENE	04/06/2016	02:05	0.9	NE
03/06/2016	13:10	1.8	ENE	03/06/2016	19:40	1.8	ENE	04/06/2016	02:10	0.9	WSW
03/06/2016	13:15	1.8	ENE	03/06/2016	19:45	1.8	ENE	04/06/2016	02:15	1.8	W
03/06/2016	13:20	1.8	ENE	03/06/2016	19:50	2.7	E	04/06/2016	02:20	1.8	WNW
03/06/2016	13:25	1.8	ENE	03/06/2016	19:55	4.9	E	04/06/2016	02:25	2.2	N
03/06/2016	13:30	2.7	E	03/06/2016	20:00	4.9	ENE	04/06/2016	02:30	1.3	WNW
03/06/2016	13:35	1.8	ENE	03/06/2016	20:05	5.4	ENE	04/06/2016	02:35	2.2	SW
03/06/2016	13:40	1.8	E	03/06/2016	20:10	6.3	E	04/06/2016	02:40	2.2	W
03/06/2016	13:45	5.4	NE	03/06/2016	20:15	5.4	ENE	04/06/2016	02:45	2.2	NW
03/06/2016	13:50	4.9	ENE	03/06/2016	20:20	5.4	E	04/06/2016	02:50	1.8	E
03/06/2016	13:55	5.8	E	03/06/2016	20:25	5.8	E	04/06/2016	02:55	2.2	WNW
03/06/2016	14:00	5.8	E	03/06/2016	20:30	5.8	E	04/06/2016	03:00	1.8	NNW
03/06/2016	14:05	5.4	ENE	03/06/2016	20:35	6.3	E	04/06/2016	03:05	1.8	S
03/06/2016	14:10	3.6	E	03/06/2016	20:40	1.3	E	04/06/2016	03:10	2.7	WSW
03/06/2016	14:15	5.4	E	03/06/2016	20:45	0.4	E	04/06/2016	03:15	1.8	W
03/06/2016	14:20	5.4	E	03/06/2016	20:50	1.3	NE	04/06/2016	03:20	2.2	WSW
03/06/2016	14:25	4.5	E	03/06/2016	20:55	1.3	ENE	04/06/2016	03:25	2.2	NW
03/06/2016	14:30	5.4	ENE	03/06/2016	21:00	1.8	E	04/06/2016	03:30	0.9	WNW
03/06/2016	14:35	5.4	E	03/06/2016	21:05	1.8	E	04/06/2016	03:35	1.3	W
03/06/2016	14:40	5.8	ENE	03/06/2016	21:10	1.8	E	04/06/2016	03:40	1.8	W
03/06/2016	14:45	0.4	E	03/06/2016	21:15	2.2	ENE	04/06/2016	03:45	1.8	WNW
03/06/2016	14:50	1.3	NE	03/06/2016	21:20	1.8	ENE	04/06/2016	03:50	1.3	W
03/06/2016	14:55	1.3	ENE	03/06/2016	21:25	1.8	E	04/06/2016	03:55	0.9	NW
03/06/2016	15:00	1.8	E	03/06/2016	21:30	4.9	E	04/06/2016	04:00	1.3	W
03/06/2016	15:05	1.3	ENE	03/06/2016	21:35	4.9	ENE	04/06/2016	04:05	1.3	NW
03/06/2016	15:10	1.3	E	03/06/2016	21:40	5.4	ENE	04/06/2016	04:10	1.8	W
03/06/2016	15:15	0.4	E	03/06/2016	21:45	0.4	E	04/06/2016	04:15	1.8	WNW
03/06/2016	15:20	1.3	NE	03/06/2016	21:50	1.3	NE	04/06/2016	04:20	1.8	W
03/06/2016	15:25	1.3	ENE	03/06/2016	21:55	1.3	ENE	04/06/2016	04:25	1.8	NW
03/06/2016	15:30	1.8	E	03/06/2016	22:00	1.8	E	04/06/2016	04:30	1.8	NW
03/06/2016	15:35	1.8	E	03/06/2016	22:05	1.3	ENE	04/06/2016	04:35	1.8	WNW
03/06/2016	15:40	1.8	E	03/06/2016	22:10	1.3	E	04/06/2016	04:40	3.1	NW
03/06/2016	15:45	2.2	ENE	03/06/2016	22:15	0.4	E	04/06/2016	04:45	1.3	W
03/06/2016	15:50	1.8	ENE	03/06/2016	22:20	1.3	NE	04/06/2016	04:50	0.9	NW
03/06/2016	15:55	1.8	E	03/06/2016	22:25	1.3	ENE	04/06/2016	04:55	1.3	W
03/06/2016	16:00	1.8	ENE	03/06/2016	22:30	1.8	E	04/06/2016	05:00	1.8	WNW
03/06/2016	16:05	1.8	ENE	03/06/2016	22:35	1.8	E	04/06/2016	05:05	1.8	W
03/06/2016	16:10	1.8	ENE	03/06/2016	22:40	1.8	E	04/06/2016	05:10	1.8	NW
03/06/2016	16:15	1.8	ENE	03/06/2016	22:45	2.2	ENE	04/06/2016	05:15	2.2	WNW
03/06/2016	16:20	2.7	E	03/06/2016	22:50	1.8	ENE	04/06/2016	05:20	2.2	NW
03/06/2016	16:25	1.3	E	03/06/2016	22:55	1.8	E	04/06/2016	05:25	1.8	W
03/06/2016	16:30	0.4	E	03/06/2016	23:00	1.8	ENE	04/06/2016	05:30	1.8	NW
03/06/2016	16:35	1.3	NE	03/06/2016	23:05	1.8	ENE	04/06/2016	05:35	1.8	NW
03/06/2016	16:40	1.3	ENE	03/06/2016	23:10	1.8	ENE	04/06/2016	05:40	1.8	WNW
03/06/2016	16:45	1.8	E	03/06/2016	23:15	1.8	ENE	04/06/2016	05:45	3.1	NW
03/06/2016	16:50	1.8	E	03/06/2016	23:20	2.7	E	04/06/2016	05:50	1.3	W
03/06/2016	16:55	1.8	E	03/06/2016	23:25	1.8	E	04/06/2016	05:55	0.9	NW
03/06/2016	17:00	2.2	ENE	03/06/2016	23:30	1.8	E	04/06/2016	06:00	3.6	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
04/06/2016	06:05	2.7	ENE	04/06/2016	12:35	1.8	W	04/06/2016	19:05	0.9	NW
04/06/2016	06:10	3.1	NE	04/06/2016	12:40	1.8	NW	04/06/2016	19:10	1.3	W
04/06/2016	06:15	2.7	ENE	04/06/2016	12:45	2.2	WNW	04/06/2016	19:15	1.8	WNW
04/06/2016	06:20	2.7	ENE	04/06/2016	12:50	2.2	NW	04/06/2016	19:20	1.8	W
04/06/2016	06:25	3.1	ENE	04/06/2016	12:55	5.4	ENE	04/06/2016	19:25	1.8	NW
04/06/2016	06:30	2.7	NE	04/06/2016	13:00	6.7	ENE	04/06/2016	19:30	2.2	WNW
04/06/2016	06:35	3.6	NE	04/06/2016	13:05	5.4	E	04/06/2016	19:35	2.2	NW
04/06/2016	06:40	3.6	NE	04/06/2016	13:10	4.5	E	04/06/2016	19:40	1.8	W
04/06/2016	06:45	3.1	NE	04/06/2016	13:15	4.9	E	04/06/2016	19:45	1.8	WNW
04/06/2016	06:50	4.5	ENE	04/06/2016	13:20	1.8	WNW	04/06/2016	19:50	1.3	W
04/06/2016	06:55	4.5	NE	04/06/2016	13:25	1.3	W	04/06/2016	19:55	0.9	NW
04/06/2016	07:00	4.5	ENE	04/06/2016	13:30	0.9	NW	04/06/2016	20:00	1.3	W
04/06/2016	07:05	3.6	NE	04/06/2016	13:35	1.3	W	04/06/2016	20:05	1.3	NW
04/06/2016	07:10	4	NE	04/06/2016	13:40	1.3	NW	04/06/2016	20:10	1.8	W
04/06/2016	07:15	4	NE	04/06/2016	13:45	1.8	W	04/06/2016	20:15	1.8	WNW
04/06/2016	07:20	4	NE	04/06/2016	13:50	1.8	WNW	04/06/2016	20:20	1.8	W
04/06/2016	07:25	4	NE	04/06/2016	13:55	1.8	W	04/06/2016	20:25	1.8	NW
04/06/2016	07:30	2.7	ENE	04/06/2016	14:00	1.8	NW	04/06/2016	20:30	1.8	NW
04/06/2016	07:35	3.6	ENE	04/06/2016	14:05	1.8	NW	04/06/2016	20:35	1.8	WNW
04/06/2016	07:40	2.7	ENE	04/06/2016	14:10	1.8	WNW	04/06/2016	20:40	3.1	NW
04/06/2016	07:45	3.1	NE	04/06/2016	14:15	3.1	NW	04/06/2016	20:45	1.3	W
04/06/2016	07:50	1.8	WNW	04/06/2016	14:20	1.3	W	04/06/2016	20:50	0.9	NW
04/06/2016	07:55	1.3	W	04/06/2016	14:25	0.9	NW	04/06/2016	20:55	1.8	WNW
04/06/2016	08:00	1.8	WNW	04/06/2016	14:30	1.8	WNW	04/06/2016	21:00	1.3	W
04/06/2016	08:05	1.3	W	04/06/2016	14:35	1.3	W	04/06/2016	21:05	0.9	NW
04/06/2016	08:10	0.9	NW	04/06/2016	14:40	0.9	NW	04/06/2016	21:10	1.3	W
04/06/2016	08:15	1.3	W	04/06/2016	14:45	1.3	W	04/06/2016	21:15	1.3	NW
04/06/2016	08:20	1.3	NW	04/06/2016	14:50	1.3	NW	04/06/2016	21:20	1.8	W
04/06/2016	08:25	1.8	W	04/06/2016	14:55	1.8	W	04/06/2016	21:25	1.8	WNW
04/06/2016	08:30	1.8	WNW	04/06/2016	15:00	1.8	WNW	04/06/2016	21:30	1.8	W
04/06/2016	08:35	1.8	W	04/06/2016	15:05	1.8	W	04/06/2016	21:35	1.8	NW
04/06/2016	08:40	1.8	NW	04/06/2016	15:10	1.8	NW	04/06/2016	21:40	1.8	NW
04/06/2016	08:45	1.8	NW	04/06/2016	15:15	1.8	NW	04/06/2016	21:45	1.8	WNW
04/06/2016	08:50	1.8	WNW	04/06/2016	15:20	1.8	WNW	04/06/2016	21:50	3.1	NW
04/06/2016	08:55	3.1	NW	04/06/2016	15:25	3.1	NW	04/06/2016	21:55	1.3	W
04/06/2016	09:00	1.3	W	04/06/2016	15:30	1.3	W	04/06/2016	22:00	0.9	NW
04/06/2016	09:05	0.9	NW	04/06/2016	15:35	0.9	NW	04/06/2016	22:05	1.3	W
04/06/2016	09:10	1.3	W	04/06/2016	15:40	1.3	W	04/06/2016	22:10	1.8	WNW
04/06/2016	09:15	1.8	WNW	04/06/2016	15:45	1.8	WNW	04/06/2016	22:15	1.8	W
04/06/2016	09:20	1.8	W	04/06/2016	15:50	1.8	W	04/06/2016	22:20	1.8	NW
04/06/2016	09:25	1.8	NW	04/06/2016	15:55	1.8	NW	04/06/2016	22:25	2.2	WNW
04/06/2016	09:30	2.2	WNW	04/06/2016	16:00	2.2	WNW	04/06/2016	22:30	2.2	NW
04/06/2016	09:35	2.2	NW	04/06/2016	16:05	2.2	NW	04/06/2016	22:35	1.3	W
04/06/2016	09:40	5.4	ENE	04/06/2016	16:10	3.6	ENE	04/06/2016	22:40	0.9	NW
04/06/2016	09:45	5.8	ENE	04/06/2016	16:15	4	ENE	04/06/2016	22:45	0.9	NE
04/06/2016	09:50	5.8	ENE	04/06/2016	16:20	1.8	WNW	04/06/2016	22:50	0.4	E
04/06/2016	09:55	5.8	E	04/06/2016	16:25	1.3	W	04/06/2016	22:55	0.9	NNE
04/06/2016	10:00	5.4	E	04/06/2016	16:30	0.9	NW	04/06/2016	23:00	0.4	WNW
04/06/2016	10:05	5.4	ENE	04/06/2016	16:35	1.3	W	04/06/2016	23:05	0.9	SW
04/06/2016	10:10	5.8	E	04/06/2016	16:40	1.3	NW	04/06/2016	23:10	4.9	NE
04/06/2016	10:15	6.3	E	04/06/2016	16:45	1.8	W	04/06/2016	23:15	1.8	WNW
04/06/2016	10:20	4	NE	04/06/2016	16:50	1.8	WNW	04/06/2016	23:20	1.3	W
04/06/2016	10:25	3.6	NE	04/06/2016	16:55	1.8	W	04/06/2016	23:25	0.9	NW
04/06/2016	10:30	4	NE	04/06/2016	17:00	1.8	NW	04/06/2016	23:30	1.3	W
04/06/2016	10:35	1.8	WNW	04/06/2016	17:05	1.8	NW	04/06/2016	23:35	1.3	NW
04/06/2016	10:40	1.3	W	04/06/2016	17:10	1.8	WNW	04/06/2016	23:40	1.8	W
04/06/2016	10:45	0.9	NW	04/06/2016	17:15	3.1	NW	04/06/2016	23:45	1.8	WNW
04/06/2016	10:50	1.3	W	04/06/2016	17:20	1.3	W	04/06/2016	23:50	1.8	W
04/06/2016	10:55	1.3	NW	04/06/2016	17:25	0.9	NW	04/06/2016	23:55	1.8	NW
04/06/2016	11:00	1.8	W	04/06/2016	17:30	3.1	ENE	05/06/2016	00:00	1.8	NW
04/06/2016	11:05	1.8	WNW	04/06/2016	17:35	4.9	ENE	05/06/2016	00:05	0.9	WSW
04/06/2016	11:10	1.8	W	04/06/2016	17:40	4.9	E	05/06/2016	00:10	2.2	WSW
04/06/2016	11:15	1.8	WNW	04/06/2016	17:45	1.8	ESE	05/06/2016	00:15	0.9	WSW
04/06/2016	11:20	1.3	W	04/06/2016	17:50	0.9	NNE	05/06/2016	00:20	2.2	WSW
04/06/2016	11:25	0.9	NW	04/06/2016	17:55	2.7	ENE	05/06/2016	00:25	2.7	WSW
04/06/2016	11:30	1.3	W	04/06/2016	18:00	1.8	WNW	05/06/2016	00:30	2.7	WSW
04/06/2016	11:35	1.3	NW	04/06/2016	18:05	1.3	W	05/06/2016	00:35	1.8	WSW
04/06/2016	11:40	1.8	W	04/06/2016	18:10	0.9	NW	05/06/2016	00:40	1.3	WSW
04/06/2016	11:45	1.8	WNW	04/06/2016	18:15	1.3	W	05/06/2016	00:45	0.4	W
04/06/2016	11:50	1.8	W	04/06/2016	18:20	1.3	NW	05/06/2016	00:50	0.4	WNW
04/06/2016	11:55	1.8	NW	04/06/2016	18:25	1.8	W	05/06/2016	00:55	0.9	E
04/06/2016	12:00	1.8	NW	04/06/2016	18:30	1.8	WNW	05/06/2016	01:00	0.9	W
04/06/2016	12:05	1.8	WNW	04/06/2016	18:35	1.8	W	05/06/2016	01:05	0.4	W
04/06/2016	12:10	3.1	NW	04/06/2016	18:40	1.8	NW	05/06/2016	01:10	0.4	W
04/06/2016	12:15	1.3	W	04/06/2016	18:45	1.8	NW	05/06/2016	01:15	0.4	W
04/06/2016	12:20	0.9	NW	04/06/2016	18:50	1.8	WNW	05/06/2016	01:20	0.9	W
04/06/2016	12:25	1.3	W	04/06/2016	18:55	3.1	NW	05/06/2016	01:25	0.9	SW
04/06/2016	12:30	1.8	WNW	04/06/2016	19:00	1.3	W	05/06/2016	01:30	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
05/06/2016	01:35	0.9	W	05/06/2016	08:05	0.4	W	05/06/2016	14:35	0.9	W
05/06/2016	01:40	0.9	NW	05/06/2016	08:10	0.4	WNW	05/06/2016	14:40	0.9	SW
05/06/2016	01:45	0.4	ENE	05/06/2016	08:15	0.9	E	05/06/2016	14:45	0.9	WSW
05/06/2016	01:50	0.4	NE	05/06/2016	08:20	0.9	W	05/06/2016	14:50	1.3	WSW
05/06/2016	01:55	0.4	W	05/06/2016	08:25	0.4	W	05/06/2016	14:55	0.4	W
05/06/2016	02:00	1.3	W	05/06/2016	08:30	0.4	W	05/06/2016	15:00	0.4	WNW
05/06/2016	02:05	0.9	WNW	05/06/2016	08:35	0.4	W	05/06/2016	15:05	0.9	E
05/06/2016	02:10	0.4	N	05/06/2016	08:40	0.9	W	05/06/2016	15:10	0.9	W
05/06/2016	02:15	0.4	NW	05/06/2016	08:45	0.9	SW	05/06/2016	15:15	0.4	W
05/06/2016	02:20	0.4	NW	05/06/2016	08:50	0.9	WSW	05/06/2016	15:20	0.4	W
05/06/2016	02:25	0.4	WSW	05/06/2016	08:55	0.9	W	05/06/2016	15:25	0.4	W
05/06/2016	02:30	0.9	WSW	05/06/2016	09:00	0.9	NW	05/06/2016	15:30	0.9	W
05/06/2016	02:35	0.4	WSW	05/06/2016	09:05	0.4	ENE	05/06/2016	15:35	0.9	SW
05/06/2016	02:40	0.4	WNW	05/06/2016	09:10	0.4	NE	05/06/2016	15:40	0.9	WSW
05/06/2016	02:45	0.4	WNW	05/06/2016	09:15	0.4	W	05/06/2016	15:45	0.9	W
05/06/2016	02:50	0.4	WNW	05/06/2016	09:20	1.3	W	05/06/2016	15:50	0.9	NW
05/06/2016	02:55	0.9	NW	05/06/2016	09:25	0.9	WNW	05/06/2016	15:55	0.4	ENE
05/06/2016	03:00	1.8	W	05/06/2016	09:30	0.4	N	05/06/2016	16:00	0.4	NE
05/06/2016	03:05	1.8	W	05/06/2016	09:35	0.4	NW	05/06/2016	16:05	0.4	W
05/06/2016	03:10	0.9	W	05/06/2016	09:40	0.9	WSW	05/06/2016	16:10	1.3	W
05/06/2016	03:15	0.4	W	05/06/2016	09:45	0.9	WNW	05/06/2016	16:15	0.9	WNW
05/06/2016	03:20	1.3	SSW	05/06/2016	09:50	1.8	WSW	05/06/2016	16:20	0.4	N
05/06/2016	03:25	0	NNW	05/06/2016	09:55	1.3	WSW	05/06/2016	16:25	0.4	NW
05/06/2016	03:30	0	NNW	05/06/2016	10:00	0.4	W	05/06/2016	16:30	2.2	NE
05/06/2016	03:35	0.4	NE	05/06/2016	10:05	0.4	WNW	05/06/2016	16:35	2.2	NE
05/06/2016	03:40	0.9	N	05/06/2016	10:10	0.9	E	05/06/2016	16:40	1.8	NNW
05/06/2016	03:45	1.8	WSW	05/06/2016	10:15	0.9	W	05/06/2016	16:45	2.2	NE
05/06/2016	03:50	1.3	WSW	05/06/2016	10:20	0.4	W	05/06/2016	16:50	1.8	NNE
05/06/2016	03:55	0.4	W	05/06/2016	10:25	0.4	W	05/06/2016	16:55	1.8	NNE
05/06/2016	04:00	0.4	WNW	05/06/2016	10:30	0.4	W	05/06/2016	17:00	1.8	N
05/06/2016	04:05	0.9	E	05/06/2016	10:35	0.9	W	05/06/2016	17:05	1.3	NNE
05/06/2016	04:10	0.9	W	05/06/2016	10:40	0.9	SW	05/06/2016	17:10	1.8	NE
05/06/2016	04:15	0.4	W	05/06/2016	10:45	0.9	WSW	05/06/2016	17:15	1.8	NE
05/06/2016	04:20	0.4	W	05/06/2016	10:50	1.3	WSW	05/06/2016	17:20	1.8	WSW
05/06/2016	04:25	0.4	W	05/06/2016	10:55	1.3	SSE	05/06/2016	17:25	1.3	WSW
05/06/2016	04:30	0.9	W	05/06/2016	11:00	0.9	SSE	05/06/2016	17:30	0.4	W
05/06/2016	04:35	0.9	SW	05/06/2016	11:05	3.1	NE	05/06/2016	17:35	0.4	WNW
05/06/2016	04:40	0.9	WSW	05/06/2016	11:10	2.2	NE	05/06/2016	17:40	0.9	E
05/06/2016	04:45	1.3	WSW	05/06/2016	11:15	1.3	WSW	05/06/2016	17:45	0.9	W
05/06/2016	04:50	0.4	W	05/06/2016	11:20	0.4	W	05/06/2016	17:50	0.4	W
05/06/2016	04:55	0.4	WNW	05/06/2016	11:25	0.4	WNW	05/06/2016	17:55	0.4	W
05/06/2016	05:00	0.9	E	05/06/2016	11:30	0.9	E	05/06/2016	18:00	0.4	W
05/06/2016	05:05	0.9	W	05/06/2016	11:35	0.9	W	05/06/2016	18:05	0.9	W
05/06/2016	05:10	0.4	W	05/06/2016	11:40	0.4	W	05/06/2016	18:10	0.9	SW
05/06/2016	05:15	0.4	W	05/06/2016	11:45	0.4	W	05/06/2016	18:15	0.9	WSW
05/06/2016	05:20	0.4	W	05/06/2016	11:50	0.4	W	05/06/2016	18:20	1.3	WSW
05/06/2016	05:25	0.9	W	05/06/2016	11:55	0.9	W	05/06/2016	18:25	1.8	WSW
05/06/2016	05:30	0.9	SW	05/06/2016	12:00	0.9	SW	05/06/2016	18:30	1.3	W
05/06/2016	05:35	0.9	WSW	05/06/2016	12:05	0.9	WSW	05/06/2016	18:35	1.3	WSW
05/06/2016	05:40	0.9	W	05/06/2016	12:10	0.9	W	05/06/2016	18:40	0.4	W
05/06/2016	05:45	0.9	NW	05/06/2016	12:15	0.9	NW	05/06/2016	18:45	0.4	WNW
05/06/2016	05:50	0.4	ENE	05/06/2016	12:20	0.4	ENE	05/06/2016	18:50	0.9	E
05/06/2016	05:55	0.4	NE	05/06/2016	12:25	0.4	NE	05/06/2016	18:55	0.9	W
05/06/2016	06:00	0.4	W	05/06/2016	12:30	0.4	W	05/06/2016	19:00	0.4	W
05/06/2016	06:05	1.3	W	05/06/2016	12:35	1.3	W	05/06/2016	19:05	0.4	W
05/06/2016	06:10	0.9	WNW	05/06/2016	12:40	0.9	WNW	05/06/2016	19:10	0.4	W
05/06/2016	06:15	0.4	N	05/06/2016	12:45	0.4	N	05/06/2016	19:15	0.9	W
05/06/2016	06:20	0.4	NW	05/06/2016	12:50	0.4	NW	05/06/2016	19:20	0.9	SW
05/06/2016	06:25	0.4	NW	05/06/2016	12:55	3.1	WSW	05/06/2016	19:25	0.9	WSW
05/06/2016	06:30	0.4	W	05/06/2016	13:00	3.1	W	05/06/2016	19:30	0.9	W
05/06/2016	06:35	0.4	W	05/06/2016	13:05	4.9	W	05/06/2016	19:35	0.9	NW
05/06/2016	06:40	0.4	W	05/06/2016	13:10	3.1	W	05/06/2016	19:40	0.4	ENE
05/06/2016	06:45	0.4	W	05/06/2016	13:15	1.8	WNW	05/06/2016	19:45	0.4	NE
05/06/2016	06:50	0.4	W	05/06/2016	13:20	4	W	05/06/2016	19:50	0.4	W
05/06/2016	06:55	0.9	NW	05/06/2016	13:25	3.6	WSW	05/06/2016	19:55	1.3	W
05/06/2016	07:00	0.9	N	05/06/2016	13:30	2.2	W	05/06/2016	20:00	0.9	WNW
05/06/2016	07:05	0.9	W	05/06/2016	13:35	2.2	W	05/06/2016	20:05	0.4	N
05/06/2016	07:10	1.3	N	05/06/2016	13:40	2.2	W	05/06/2016	20:10	0.4	NW
05/06/2016	07:15	0.9	NNE	05/06/2016	13:45	3.1	W	05/06/2016	20:15	0.4	W
05/06/2016	07:20	1.8	WSW	05/06/2016	13:50	1.8	WSW	05/06/2016	20:20	0.4	W
05/06/2016	07:25	1.3	WSW	05/06/2016	13:55	1.3	WSW	05/06/2016	20:25	0.9	W
05/06/2016	07:30	0.4	W	05/06/2016	14:00	0.4	W	05/06/2016	20:30	1.3	W
05/06/2016	07:35	0.4	WNW	05/06/2016	14:05	0.4	WNW	05/06/2016	20:35	1.3	WSW
05/06/2016	07:40	0.9	E	05/06/2016	14:10	0.9	E	05/06/2016	20:40	1.3	WSW
05/06/2016	07:45	0.9	W	05/06/2016	14:15	0.9	W	05/06/2016	20:45	0.9	WSW
05/06/2016	07:50	0.4	W	05/06/2016	14:20	0.4	W	05/06/2016	20:50	1.8	WSW
05/06/2016	07:55	0.4	W	05/06/2016	14:25	0.4	W	05/06/2016	20:55	1.3	WSW
05/06/2016	08:00	1.3	WSW	05/06/2016	14:30	0.4	W	05/06/2016	21:00	0.4	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
05/06/2016	21:05	0.4	WNW	06/06/2016	03:35	0.4	ESE	06/06/2016	10:05	0.9	SW
05/06/2016	21:10	0.9	E	06/06/2016	03:40	0.4	ESE	06/06/2016	10:10	0.9	WSW
05/06/2016	21:15	0.9	W	06/06/2016	03:45	0.4	SSW	06/06/2016	10:15	0.4	SSW
05/06/2016	21:20	0.4	W	06/06/2016	03:50	1.3	WSW	06/06/2016	10:20	0.4	SW
05/06/2016	21:25	0.4	W	06/06/2016	03:55	0.9	WSW	06/06/2016	10:25	0.9	SSW
05/06/2016	21:30	0.4	W	06/06/2016	04:00	0.4	SW	06/06/2016	10:30	0.9	WSW
05/06/2016	21:35	0.9	W	06/06/2016	04:05	0.9	WSW	06/06/2016	10:35	1.3	WSW
05/06/2016	21:40	0.9	SW	06/06/2016	04:10	0.4	SW	06/06/2016	10:40	1.3	WSW
05/06/2016	21:45	0.9	WSW	06/06/2016	04:15	0.9	SW	06/06/2016	10:45	0.9	SSW
05/06/2016	21:50	0.4	W	06/06/2016	04:20	0.9	WSW	06/06/2016	10:50	0.9	WSW
05/06/2016	21:55	0.4	W	06/06/2016	04:25	0.4	SSW	06/06/2016	10:55	0.9	WSW
05/06/2016	22:00	0.4	W	06/06/2016	04:30	0.4	SW	06/06/2016	11:00	0.4	SW
05/06/2016	22:05	0.4	W	06/06/2016	04:35	0.9	SSW	06/06/2016	11:05	0.9	SW
05/06/2016	22:10	0.4	W	06/06/2016	04:40	0.9	WSW	06/06/2016	11:10	0.9	WSW
05/06/2016	22:15	0.4	W	06/06/2016	04:45	1.3	WSW	06/06/2016	11:15	0.4	SSW
05/06/2016	22:20	1.3	WSW	06/06/2016	04:50	1.3	WSW	06/06/2016	11:20	0.4	SW
05/06/2016	22:25	0.4	W	06/06/2016	04:55	0.9	SSW	06/06/2016	11:25	0.9	SSW
05/06/2016	22:30	0.4	WNW	06/06/2016	05:00	0.9	WSW	06/06/2016	11:30	0.9	WSW
05/06/2016	22:35	0.9	E	06/06/2016	05:05	1.3	WSW	06/06/2016	11:35	1.3	WSW
05/06/2016	22:40	0.9	W	06/06/2016	05:10	1.3	WSW	06/06/2016	11:40	1.3	WSW
05/06/2016	22:45	0.4	W	06/06/2016	05:15	0.9	WSW	06/06/2016	11:45	0.9	SSW
05/06/2016	22:50	0.4	W	06/06/2016	05:20	0.9	W	06/06/2016	11:50	0.9	WSW
05/06/2016	22:55	0.4	W	06/06/2016	05:25	0.9	W	06/06/2016	11:55	1.3	WSW
05/06/2016	23:00	0.9	W	06/06/2016	05:30	0.9	W	06/06/2016	12:00	1.3	WSW
05/06/2016	23:05	0.9	SW	06/06/2016	05:35	0.9	W	06/06/2016	12:05	0.9	WSW
05/06/2016	23:10	0.9	WSW	06/06/2016	05:40	0.4	WSW	06/06/2016	12:10	0.9	W
05/06/2016	23:15	0.9	W	06/06/2016	05:45	0.4	NE	06/06/2016	12:15	0.9	W
05/06/2016	23:20	0.9	NW	06/06/2016	05:50	0.9	NE	06/06/2016	12:20	0.9	W
05/06/2016	23:25	0.4	ENE	06/06/2016	05:55	0.4	ESE	06/06/2016	12:25	0.9	W
05/06/2016	23:30	0.4	NE	06/06/2016	06:00	0.4	ESE	06/06/2016	12:30	0.4	WSW
05/06/2016	23:35	0.4	W	06/06/2016	06:05	0.4	ESE	06/06/2016	12:35	0.4	SW
05/06/2016	23:40	1.3	W	06/06/2016	06:10	0.9	ESE	06/06/2016	12:40	0.9	SSW
05/06/2016	23:45	0.9	WNW	06/06/2016	06:15	0.9	ESE	06/06/2016	12:45	0.9	WSW
05/06/2016	23:50	0.4	N	06/06/2016	06:20	0.9	ESE	06/06/2016	12:50	1.3	WSW
05/06/2016	23:55	0.4	NW	06/06/2016	06:25	0.4	ESE	06/06/2016	12:55	1.3	WSW
06/06/2016	00:00	0.9	WSW	06/06/2016	06:30	0.4	NE	06/06/2016	13:00	0.9	SSW
06/06/2016	00:05	1.3	WSW	06/06/2016	06:35	1.3	NE	06/06/2016	13:05	0.9	WSW
06/06/2016	00:10	1.3	WNW	06/06/2016	06:40	0.4	NE	06/06/2016	13:10	1.3	WSW
06/06/2016	00:15	1.3	WNW	06/06/2016	06:45	0.4	NE	06/06/2016	13:15	3.1	W
06/06/2016	00:20	1.3	WSW	06/06/2016	06:50	1.8	NE	06/06/2016	13:20	3.1	W
06/06/2016	00:25	0.9	WSW	06/06/2016	06:55	2.2	NE	06/06/2016	13:25	3.1	W
06/06/2016	00:30	0.4	SW	06/06/2016	07:00	1.8	NE	06/06/2016	13:30	3.1	WNW
06/06/2016	00:35	0.9	SW	06/06/2016	07:05	1.3	NE	06/06/2016	13:35	3.6	W
06/06/2016	00:40	0.9	WSW	06/06/2016	07:10	0.9	NE	06/06/2016	13:40	3.1	W
06/06/2016	00:45	0.4	SSW	06/06/2016	07:15	0.9	ENE	06/06/2016	13:45	2.2	W
06/06/2016	00:50	0.4	SW	06/06/2016	07:20	0.4	NE	06/06/2016	13:50	2.7	SW
06/06/2016	00:55	0.9	SSW	06/06/2016	07:25	0.9	NE	06/06/2016	13:55	2.7	SW
06/06/2016	01:00	0.9	WSW	06/06/2016	07:30	0.9	NE	06/06/2016	14:00	2.2	W
06/06/2016	01:05	1.3	WSW	06/06/2016	07:35	1.3	WSW	06/06/2016	14:05	2.7	W
06/06/2016	01:10	1.3	WSW	06/06/2016	07:40	0.9	WSW	06/06/2016	14:10	0.9	WSW
06/06/2016	01:15	0.9	SSW	06/06/2016	07:45	0.4	SW	06/06/2016	14:15	0.4	SW
06/06/2016	01:20	0.9	WSW	06/06/2016	07:50	0.9	SW	06/06/2016	14:20	0.9	SW
06/06/2016	01:25	1.3	WSW	06/06/2016	07:55	0.9	WSW	06/06/2016	14:25	0.9	WSW
06/06/2016	01:30	1.3	WSW	06/06/2016	08:00	0.4	SSW	06/06/2016	14:30	0.4	SSW
06/06/2016	01:35	0.9	WSW	06/06/2016	08:05	0.4	SW	06/06/2016	14:35	0.4	SW
06/06/2016	01:40	0.9	W	06/06/2016	08:10	0.9	SSW	06/06/2016	14:40	0.9	SSW
06/06/2016	01:45	0.9	W	06/06/2016	08:15	0.9	WSW	06/06/2016	14:45	0.9	WSW
06/06/2016	01:50	0.9	W	06/06/2016	08:20	1.3	WSW	06/06/2016	14:50	1.3	WSW
06/06/2016	01:55	0.9	W	06/06/2016	08:25	1.3	WSW	06/06/2016	14:55	1.3	WSW
06/06/2016	02:00	0.4	WSW	06/06/2016	08:30	0.9	SSW	06/06/2016	15:00	0.9	SSW
06/06/2016	02:05	0.4	NE	06/06/2016	08:35	0.9	WSW	06/06/2016	15:05	0.9	WSW
06/06/2016	02:10	0.9	NE	06/06/2016	08:40	1.3	WSW	06/06/2016	15:10	1.3	WSW
06/06/2016	02:15	0.4	NE	06/06/2016	08:45	1.3	WSW	06/06/2016	15:15	1.3	WSW
06/06/2016	02:20	1.3	NE	06/06/2016	08:50	0.9	WSW	06/06/2016	15:20	0.9	WSW
06/06/2016	02:25	1.3	NNE	06/06/2016	08:55	0.9	W	06/06/2016	15:25	0.9	W
06/06/2016	02:30	1.3	NE	06/06/2016	09:00	0.9	W	06/06/2016	15:30	0.9	W
06/06/2016	02:35	1.3	NE	06/06/2016	09:05	0.9	W	06/06/2016	15:35	0.9	W
06/06/2016	02:40	1.3	E	06/06/2016	09:10	0.9	W	06/06/2016	15:40	0.9	W
06/06/2016	02:45	1.3	E	06/06/2016	09:15	0.4	WSW	06/06/2016	15:45	0.4	WSW
06/06/2016	02:50	1.3	E	06/06/2016	09:20	0.9	NNW	06/06/2016	15:50	3.6	WNW
06/06/2016	02:55	0.9	ESE	06/06/2016	09:25	1.3	NE	06/06/2016	15:55	3.6	W
06/06/2016	03:00	0.9	ESE	06/06/2016	09:30	0.4	NE	06/06/2016	16:00	3.6	W
06/06/2016	03:05	0.4	ESE	06/06/2016	09:35	0.9	NW	06/06/2016	16:05	4	NW
06/06/2016	03:10	0.4	ESE	06/06/2016	09:40	0.4	NW	06/06/2016	16:10	2.7	W
06/06/2016	03:15	0.4	ESE	06/06/2016	09:45	0.4	NW	06/06/2016	16:15	3.6	W
06/06/2016	03:20	0.4	ESE	06/06/2016	09:50	1.3	WSW	06/06/2016	16:20	3.1	W
06/06/2016	03:25	0.4	ESE	06/06/2016	09:55	0.9	WSW	06/06/2016	16:25	3.1	W
06/06/2016	03:30	0.4	ESE	06/06/2016	10:00	0.4	SW	06/06/2016	16:30	3.6	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
06/06/2016	16:35	3.1	W	06/06/2016	23:05	1.8	N	07/06/2016	05:35	2.2	NW
06/06/2016	16:40	4	W	06/06/2016	23:10	1.3	N	07/06/2016	05:40	2.2	NW
06/06/2016	16:45	2.7	WNW	06/06/2016	23:15	1.8	N	07/06/2016	05:45	1.8	NW
06/06/2016	16:50	2.7	W	06/06/2016	23:20	2.2	NNW	07/06/2016	05:50	1.8	NW
06/06/2016	16:55	3.6	W	06/06/2016	23:25	1.8	N	07/06/2016	05:55	2.2	NW
06/06/2016	17:00	3.6	WNW	06/06/2016	23:30	1.3	N	07/06/2016	06:00	2.2	NW
06/06/2016	17:05	1.3	WSW	06/06/2016	23:35	1.3	NW	07/06/2016	06:05	2.2	NNW
06/06/2016	17:10	0.9	WSW	06/06/2016	23:40	1.3	NNW	07/06/2016	06:10	2.2	NNW
06/06/2016	17:15	0.4	SW	06/06/2016	23:45	1.8	NW	07/06/2016	06:15	2.7	NNW
06/06/2016	17:20	0.9	SW	06/06/2016	23:50	2.2	NNW	07/06/2016	06:20	2.7	NW
06/06/2016	17:25	0.9	WSW	06/06/2016	23:55	1.8	NNW	07/06/2016	06:25	1.8	NW
06/06/2016	17:30	0.4	SSW	07/06/2016	00:00	1.8	N	07/06/2016	06:30	2.2	NNW
06/06/2016	17:35	0.4	SW	07/06/2016	00:05	1.3	N	07/06/2016	06:35	1.8	N
06/06/2016	17:40	0.9	WSW	07/06/2016	00:10	1.3	NNE	07/06/2016	06:40	1.8	N
06/06/2016	17:45	0.4	SW	07/06/2016	00:15	1.3	NNW	07/06/2016	06:45	2.2	NNW
06/06/2016	17:50	0.9	SW	07/06/2016	00:20	1.3	NNW	07/06/2016	06:50	1.8	NNW
06/06/2016	17:55	0.9	WSW	07/06/2016	00:25	1.8	NW	07/06/2016	06:55	1.3	N
06/06/2016	18:00	0.4	SSW	07/06/2016	00:30	2.2	NW	07/06/2016	07:00	1.8	NNW
06/06/2016	18:05	0.4	SW	07/06/2016	00:35	2.2	NW	07/06/2016	07:05	1.8	NNW
06/06/2016	18:10	0.9	SSW	07/06/2016	00:40	2.2	NW	07/06/2016	07:10	1.8	N
06/06/2016	18:15	0.9	WSW	07/06/2016	00:45	2.2	NNW	07/06/2016	07:15	1.8	NE
06/06/2016	18:20	1.3	WSW	07/06/2016	00:50	2.2	NNW	07/06/2016	07:20	2.2	NE
06/06/2016	18:25	1.3	WSW	07/06/2016	00:55	2.7	NNW	07/06/2016	07:25	1.3	NE
06/06/2016	18:30	0.9	SSW	07/06/2016	01:00	2.7	NW	07/06/2016	07:30	1.8	NE
06/06/2016	18:35	0.9	WSW	07/06/2016	01:05	1.8	NW	07/06/2016	07:35	2.7	NE
06/06/2016	18:40	1.3	WSW	07/06/2016	01:10	2.2	NNW	07/06/2016	07:40	1.8	NW
06/06/2016	18:45	1.3	WSW	07/06/2016	01:15	2.2	NW	07/06/2016	07:45	2.2	NNW
06/06/2016	18:50	0.9	WSW	07/06/2016	01:20	1.8	N	07/06/2016	07:50	2.2	NW
06/06/2016	18:55	0.9	W	07/06/2016	01:25	1.8	WNW	07/06/2016	07:55	1.8	N
06/06/2016	19:00	0.9	W	07/06/2016	01:30	2.2	NW	07/06/2016	08:00	1.8	WNW
06/06/2016	19:05	0.9	W	07/06/2016	01:35	2.2	NNW	07/06/2016	08:05	2.2	NW
06/06/2016	19:10	0.9	W	07/06/2016	01:40	2.2	NNW	07/06/2016	08:10	2.2	NNW
06/06/2016	19:15	0.4	WSW	07/06/2016	01:45	2.2	N	07/06/2016	08:15	2.2	NNW
06/06/2016	19:20	4	W	07/06/2016	01:50	2.2	N	07/06/2016	08:20	2.2	N
06/06/2016	19:25	3.6	W	07/06/2016	01:55	1.8	N	07/06/2016	08:25	2.2	N
06/06/2016	19:30	3.1	W	07/06/2016	02:00	1.8	NNW	07/06/2016	08:30	1.8	N
06/06/2016	19:35	3.1	WNW	07/06/2016	02:05	2.2	NW	07/06/2016	08:35	1.8	NNW
06/06/2016	19:40	4	WNW	07/06/2016	02:10	2.2	NW	07/06/2016	08:40	2.2	NW
06/06/2016	19:45	4.9	WNW	07/06/2016	02:15	2.7	NW	07/06/2016	08:45	2.2	NW
06/06/2016	19:50	1.3	WSW	07/06/2016	02:20	2.2	NW	07/06/2016	08:50	2.7	NW
06/06/2016	19:55	0.9	WSW	07/06/2016	02:25	2.2	NW	07/06/2016	08:55	2.2	NW
06/06/2016	20:00	0.4	SW	07/06/2016	02:30	1.8	NW	07/06/2016	09:00	2.2	NW
06/06/2016	20:05	0.9	SW	07/06/2016	02:35	1.8	NW	07/06/2016	09:05	1.8	NW
06/06/2016	20:10	0.9	WSW	07/06/2016	02:40	1.8	NW	07/06/2016	09:10	1.8	NW
06/06/2016	20:15	0.4	SSW	07/06/2016	02:45	1.8	NW	07/06/2016	09:15	2.2	NE
06/06/2016	20:20	0.4	SW	07/06/2016	02:50	1.8	NW	07/06/2016	09:20	2.2	NE
06/06/2016	20:25	0.9	SSW	07/06/2016	02:55	1.8	NW	07/06/2016	09:25	2.2	NE
06/06/2016	20:30	0.9	WSW	07/06/2016	03:00	2.7	NW	07/06/2016	09:30	1.8	NE
06/06/2016	20:35	1.3	WSW	07/06/2016	03:05	2.2	NW	07/06/2016	09:35	1.3	ENE
06/06/2016	20:40	1.3	WSW	07/06/2016	03:10	2.2	NW	07/06/2016	09:40	1.3	N
06/06/2016	20:45	0.9	SSW	07/06/2016	03:15	1.3	NNW	07/06/2016	09:45	1.3	N
06/06/2016	20:50	0.9	WSW	07/06/2016	03:20	1.8	NW	07/06/2016	09:50	1.3	NW
06/06/2016	20:55	1.3	WSW	07/06/2016	03:25	2.2	NW	07/06/2016	09:55	2.2	N
06/06/2016	21:00	3.1	WNW	07/06/2016	03:30	2.2	NW	07/06/2016	10:00	0.9	NW
06/06/2016	21:05	3.6	WNW	07/06/2016	03:35	2.2	NW	07/06/2016	10:05	1.8	N
06/06/2016	21:10	0.9	WSW	07/06/2016	03:40	2.2	NNW	07/06/2016	10:10	1.8	N
06/06/2016	21:15	0.4	SW	07/06/2016	03:45	2.2	NNW	07/06/2016	10:15	1.8	N
06/06/2016	21:20	0.9	SW	07/06/2016	03:50	2.7	NNW	07/06/2016	10:20	1.3	NNW
06/06/2016	21:25	0.9	WSW	07/06/2016	03:55	2.7	NW	07/06/2016	10:25	1.8	NW
06/06/2016	21:30	0.4	SSW	07/06/2016	04:00	1.8	NW	07/06/2016	10:30	2.2	NW
06/06/2016	21:35	0.4	SW	07/06/2016	04:05	2.2	NNW	07/06/2016	10:35	2.2	NW
06/06/2016	21:40	0.9	SSW	07/06/2016	04:10	1.8	NNW	07/06/2016	10:40	2.2	NW
06/06/2016	21:45	0.9	WSW	07/06/2016	04:15	2.2	NW	07/06/2016	10:45	2.2	NNW
06/06/2016	21:50	1.3	WSW	07/06/2016	04:20	1.8	NW	07/06/2016	10:50	2.2	NNW
06/06/2016	21:55	1.3	WSW	07/06/2016	04:25	2.2	NNW	07/06/2016	10:55	2.7	NNW
06/06/2016	22:00	0.9	SSW	07/06/2016	04:30	2.2	NW	07/06/2016	11:00	2.7	NW
06/06/2016	22:05	0.9	WSW	07/06/2016	04:35	1.8	N	07/06/2016	11:05	1.8	NW
06/06/2016	22:10	1.3	WSW	07/06/2016	04:40	1.8	WNW	07/06/2016	11:10	2.2	NNW
06/06/2016	22:15	1.3	WSW	07/06/2016	04:45	2.2	NW	07/06/2016	11:15	2.2	W
06/06/2016	22:20	0.9	WSW	07/06/2016	04:50	2.2	NNW	07/06/2016	11:20	3.1	WNW
06/06/2016	22:25	0.9	W	07/06/2016	04:55	2.2	NNW	07/06/2016	11:25	4	WNW
06/06/2016	22:30	0.9	W	07/06/2016	05:00	2.2	N	07/06/2016	11:30	2.2	W
06/06/2016	22:35	0.9	W	07/06/2016	05:05	2.2	N	07/06/2016	11:35	1.8	NW
06/06/2016	22:40	0.9	W	07/06/2016	05:10	1.8	N	07/06/2016	11:40	2.2	NNW
06/06/2016	22:45	0.4	WSW	07/06/2016	05:15	1.8	NNW	07/06/2016	11:45	2.2	NW
06/06/2016	22:50	0.9	SSW	07/06/2016	05:20	2.2	NW	07/06/2016	11:50	1.8	N
06/06/2016	22:55	0.9	WSW	07/06/2016	05:25	2.2	NW	07/06/2016	11:55	1.8	WNW
06/06/2016	23:00	1.3	WSW	07/06/2016	05:30	2.7	NW	07/06/2016	12:00	2.2	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
07/06/2016	12:05	2.2	NNW	07/06/2016	18:35	1.8	N	08/06/2016	01:05	1.8	NNE
07/06/2016	12:10	2.2	NNW	07/06/2016	18:40	1.8	WNW	08/06/2016	01:10	1.8	NNE
07/06/2016	12:15	2.2	N	07/06/2016	18:45	2.2	NW	08/06/2016	01:15	1.8	NNE
07/06/2016	12:20	2.2	N	07/06/2016	18:50	2.2	NNW	08/06/2016	01:20	1.3	NNE
07/06/2016	12:25	1.8	N	07/06/2016	18:55	2.2	NNW	08/06/2016	01:25	1.8	N
07/06/2016	12:30	1.8	NNW	07/06/2016	19:00	2.2	N	08/06/2016	01:30	1.8	N
07/06/2016	12:35	2.2	NW	07/06/2016	19:05	2.2	N	08/06/2016	01:35	2.2	N
07/06/2016	12:40	2.2	NW	07/06/2016	19:10	1.8	N	08/06/2016	01:40	1.8	NNW
07/06/2016	12:45	2.7	NW	07/06/2016	19:15	1.8	NNW	08/06/2016	01:45	1.3	NNE
07/06/2016	12:50	2.2	NW	07/06/2016	19:20	2.2	NW	08/06/2016	01:50	1.3	NNE
07/06/2016	12:55	2.2	NW	07/06/2016	19:25	2.2	NW	08/06/2016	01:55	1.8	N
07/06/2016	13:00	1.8	NW	07/06/2016	19:30	2.7	NW	08/06/2016	02:00	1.3	NNE
07/06/2016	13:05	1.8	NW	07/06/2016	19:35	2.2	NW	08/06/2016	02:05	0.9	NNE
07/06/2016	13:10	2.2	NW	07/06/2016	19:40	2.2	NW	08/06/2016	02:10	1.3	N
07/06/2016	13:15	2.2	NNW	07/06/2016	19:45	1.8	NW	08/06/2016	02:15	1.8	NW
07/06/2016	13:20	2.2	NNW	07/06/2016	19:50	1.8	NW	08/06/2016	02:20	1.8	NW
07/06/2016	13:25	2.7	NNW	07/06/2016	19:55	1.3	ENE	08/06/2016	02:25	1.8	NW
07/06/2016	13:30	2.7	NW	07/06/2016	20:00	1.3	ENE	08/06/2016	02:30	2.2	NW
07/06/2016	13:35	1.8	NW	07/06/2016	20:05	1.8	NE	08/06/2016	02:35	1.8	NW
07/06/2016	13:40	2.2	NNW	07/06/2016	20:10	1.3	NNW	08/06/2016	02:40	1.8	NW
07/06/2016	13:45	4.5	W	07/06/2016	20:15	1.8	NW	08/06/2016	02:45	2.2	NW
07/06/2016	13:50	4	W	07/06/2016	20:20	2.2	NW	08/06/2016	02:50	1.8	NW
07/06/2016	13:55	4	W	07/06/2016	20:25	2.2	NW	08/06/2016	02:55	1.8	NW
07/06/2016	14:00	4.5	W	07/06/2016	20:30	2.2	NW	08/06/2016	03:00	1.8	NNW
07/06/2016	14:05	4.5	W	07/06/2016	20:35	2.2	NNW	08/06/2016	03:05	1.3	NNW
07/06/2016	14:10	4.5	W	07/06/2016	20:40	2.2	NNW	08/06/2016	03:10	2.2	NNW
07/06/2016	14:15	4.9	W	07/06/2016	20:45	2.7	NNW	08/06/2016	03:15	1.8	NNW
07/06/2016	14:20	4	W	07/06/2016	20:50	2.7	NW	08/06/2016	03:20	2.2	NW
07/06/2016	14:25	4	WNW	07/06/2016	20:55	1.8	NW	08/06/2016	03:25	1.8	NW
07/06/2016	14:30	4.5	W	07/06/2016	21:00	2.2	NNW	08/06/2016	03:30	2.2	NW
07/06/2016	14:35	4	WNW	07/06/2016	21:05	1.8	ENE	08/06/2016	03:35	2.2	NW
07/06/2016	14:40	3.6	WNW	07/06/2016	21:10	1.8	ENE	08/06/2016	03:40	1.8	NE
07/06/2016	14:45	4	WNW	07/06/2016	21:15	2.2	ENE	08/06/2016	03:45	1.8	NE
07/06/2016	14:50	4.5	WNW	07/06/2016	21:20	1.8	NE	08/06/2016	03:50	2.2	NNE
07/06/2016	14:55	4.5	WNW	07/06/2016	21:25	2.2	NE	08/06/2016	03:55	2.2	NNE
07/06/2016	15:00	4.5	WNW	07/06/2016	21:30	1.3	NNE	08/06/2016	04:00	2.2	NE
07/06/2016	15:05	1.8	NW	07/06/2016	21:35	1.8	NW	08/06/2016	04:05	1.8	NNE
07/06/2016	15:10	2.2	NNW	07/06/2016	21:40	2.2	NNW	08/06/2016	04:10	1.8	NNE
07/06/2016	15:15	2.2	NW	07/06/2016	21:45	2.2	NW	08/06/2016	04:15	1.8	NNE
07/06/2016	15:20	1.8	N	07/06/2016	21:50	1.8	N	08/06/2016	04:20	1.3	NNE
07/06/2016	15:25	1.8	WNW	07/06/2016	21:55	1.8	WNW	08/06/2016	04:25	1.8	N
07/06/2016	15:30	2.2	NW	07/06/2016	22:00	2.2	NW	08/06/2016	04:30	1.8	N
07/06/2016	15:35	2.2	NNW	07/06/2016	22:05	2.2	NNW	08/06/2016	04:35	2.2	N
07/06/2016	15:40	2.2	NNW	07/06/2016	22:10	2.2	NNW	08/06/2016	04:40	1.8	NNW
07/06/2016	15:45	2.2	N	07/06/2016	22:15	2.2	N	08/06/2016	04:45	1.3	NNE
07/06/2016	15:50	2.2	N	07/06/2016	22:20	2.2	N	08/06/2016	04:50	1.3	NNE
07/06/2016	15:55	1.8	N	07/06/2016	22:25	1.8	N	08/06/2016	04:55	1.8	N
07/06/2016	16:00	1.8	NNW	07/06/2016	22:30	1.8	NNW	08/06/2016	05:00	1.3	NNE
07/06/2016	16:05	2.2	NW	07/06/2016	22:35	2.2	NW	08/06/2016	05:05	0.9	NNE
07/06/2016	16:10	2.2	NW	07/06/2016	22:40	2.2	NW	08/06/2016	05:10	1.3	N
07/06/2016	16:15	2.7	NW	07/06/2016	22:45	2.7	NW	08/06/2016	05:15	1.8	NW
07/06/2016	16:20	2.2	NW	07/06/2016	22:50	2.2	NW	08/06/2016	05:20	2.2	NW
07/06/2016	16:25	2.2	NW	07/06/2016	22:55	2.2	NW	08/06/2016	05:25	1.8	NW
07/06/2016	16:30	1.8	NW	07/06/2016	23:00	1.8	NW	08/06/2016	05:30	2.7	NW
07/06/2016	16:35	1.8	NW	07/06/2016	23:05	1.8	NW	08/06/2016	05:35	2.2	NW
07/06/2016	16:40	1.8	NE	07/06/2016	23:10	2.2	NNW	08/06/2016	05:40	1.8	NNW
07/06/2016	16:45	1.3	NNE	07/06/2016	23:15	2.7	NNW	08/06/2016	05:45	2.2	NW
07/06/2016	16:50	2.2	N	07/06/2016	23:20	2.7	NW	08/06/2016	05:50	2.2	NW
07/06/2016	16:55	1.8	N	07/06/2016	23:25	1.8	NW	08/06/2016	05:55	1.8	NNW
07/06/2016	17:00	1.8	N	07/06/2016	23:30	2.2	NNW	08/06/2016	06:00	1.8	NW
07/06/2016	17:05	2.2	N	07/06/2016	23:35	1.3	NNE	08/06/2016	06:05	2.2	NW
07/06/2016	17:10	2.2	N	07/06/2016	23:40	1.3	ENE	08/06/2016	06:10	2.2	NW
07/06/2016	17:15	2.2	N	07/06/2016	23:45	2.2	NE	08/06/2016	06:15	1.3	NW
07/06/2016	17:20	2.2	N	07/06/2016	23:50	2.2	NE	08/06/2016	06:20	1.3	NW
07/06/2016	17:25	2.2	N	07/06/2016	23:55	2.2	NNE	08/06/2016	06:25	1.8	NW
07/06/2016	17:30	2.2	N	08/06/2016	00:00	2.7	NE	08/06/2016	06:30	1.8	NW
07/06/2016	17:35	1.3	NNW	08/06/2016	00:05	2.2	NE	08/06/2016	06:35	1.8	NW
07/06/2016	17:40	1.8	NW	08/06/2016	00:10	1.8	ENE	08/06/2016	06:40	1.3	NW
07/06/2016	17:45	2.2	NW	08/06/2016	00:15	1.8	NE	08/06/2016	06:45	1.8	NW
07/06/2016	17:50	2.2	NW	08/06/2016	00:20	1.8	NE	08/06/2016	06:50	1.8	NW
07/06/2016	17:55	2.2	NW	08/06/2016	00:25	1.8	ENE	08/06/2016	06:55	1.8	NW
07/06/2016	18:00	2.2	NNW	08/06/2016	00:30	1.8	NE	08/06/2016	07:00	1.3	NW
07/06/2016	18:05	2.2	NNW	08/06/2016	00:35	1.8	NE	08/06/2016	07:05	1.8	WNW
07/06/2016	18:10	2.7	NNW	08/06/2016	00:40	1.8	NE	08/06/2016	07:10	2.2	NW
07/06/2016	18:15	2.7	NW	08/06/2016	00:45	1.8	NE	08/06/2016	07:15	2.2	NW
07/06/2016	18:20	1.8	NW	08/06/2016	00:50	2.2	NNE	08/06/2016	07:20	1.8	NW
07/06/2016	18:25	2.2	NNW	08/06/2016	00:55	2.2	NNE	08/06/2016	07:25	1.8	NE
07/06/2016	18:30	2.2	NW	08/06/2016	01:00	2.2	NE	08/06/2016	07:30	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
08/06/2016	07:35	2.2	NNE	08/06/2016	14:05	1.8	NNE	08/06/2016	20:35	1.3	N
08/06/2016	07:40	2.2	NNE	08/06/2016	14:10	1.8	NNE	08/06/2016	20:40	1.8	NW
08/06/2016	07:45	2.2	NE	08/06/2016	14:15	1.3	NNE	08/06/2016	20:45	2.2	N
08/06/2016	07:50	1.8	NNE	08/06/2016	14:20	1.8	N	08/06/2016	20:50	3.1	NNW
08/06/2016	07:55	1.8	NNE	08/06/2016	14:25	1.8	N	08/06/2016	20:55	1.8	N
08/06/2016	08:00	1.8	NNE	08/06/2016	14:30	2.2	N	08/06/2016	21:00	2.7	N
08/06/2016	08:05	1.3	NNE	08/06/2016	14:35	1.8	NNW	08/06/2016	21:05	2.7	N
08/06/2016	08:10	1.8	N	08/06/2016	14:40	1.3	NNE	08/06/2016	21:10	1.8	NNE
08/06/2016	08:15	1.8	N	08/06/2016	14:45	1.3	NNE	08/06/2016	21:15	1.8	NNE
08/06/2016	08:20	2.2	N	08/06/2016	14:50	1.8	N	08/06/2016	21:20	2.7	N
08/06/2016	08:25	1.8	NNW	08/06/2016	14:55	1.3	NNE	08/06/2016	21:25	1.8	NNE
08/06/2016	08:30	1.3	NNE	08/06/2016	15:00	0.9	NNE	08/06/2016	21:30	1.8	N
08/06/2016	08:35	1.3	NNE	08/06/2016	15:05	1.3	N	08/06/2016	21:35	1.3	NNE
08/06/2016	08:40	1.8	N	08/06/2016	15:10	1.8	NW	08/06/2016	21:40	1.8	N
08/06/2016	08:45	1.3	NNE	08/06/2016	15:15	1.3	NNE	08/06/2016	21:45	2.2	NNW
08/06/2016	08:50	0.9	NNE	08/06/2016	15:20	1.8	N	08/06/2016	21:50	1.8	NW
08/06/2016	08:55	1.3	N	08/06/2016	15:25	1.8	N	08/06/2016	21:55	1.8	NE
08/06/2016	09:00	1.8	NW	08/06/2016	15:30	2.2	N	08/06/2016	22:00	2.2	NNE
08/06/2016	09:05	1.8	NW	08/06/2016	15:35	1.8	NNW	08/06/2016	22:05	2.2	NNE
08/06/2016	09:10	1.3	NNW	08/06/2016	15:40	3.6	WNW	08/06/2016	22:10	2.2	NE
08/06/2016	09:15	1.8	NW	08/06/2016	15:45	4	W	08/06/2016	22:15	1.8	NNE
08/06/2016	09:20	1.8	NW	08/06/2016	15:50	3.6	W	08/06/2016	22:20	1.8	NNE
08/06/2016	09:25	1.8	NNW	08/06/2016	15:55	3.6	W	08/06/2016	22:25	1.8	NNE
08/06/2016	09:30	1.8	N	08/06/2016	16:00	3.1	WNW	08/06/2016	22:30	1.3	NNE
08/06/2016	09:35	1.8	NNW	08/06/2016	16:05	3.6	W	08/06/2016	22:35	1.8	N
08/06/2016	09:40	1.3	N	08/06/2016	16:10	3.6	W	08/06/2016	22:40	1.8	N
08/06/2016	09:45	1.3	NW	08/06/2016	16:15	4.5	W	08/06/2016	22:45	2.2	N
08/06/2016	09:50	1.3	NW	08/06/2016	16:20	3.6	W	08/06/2016	22:50	1.8	NNW
08/06/2016	09:55	1.3	N	08/06/2016	16:25	1.8	NE	08/06/2016	22:55	1.3	NNE
08/06/2016	10:00	0.9	NW	08/06/2016	16:30	2.2	NNE	08/06/2016	23:00	1.3	NNE
08/06/2016	10:05	1.3	NNW	08/06/2016	16:35	2.2	NNE	08/06/2016	23:05	1.8	N
08/06/2016	10:10	1.8	NW	08/06/2016	16:40	2.2	NE	08/06/2016	23:10	1.3	NNE
08/06/2016	10:15	2.2	WNW	08/06/2016	16:45	1.8	NNE	08/06/2016	23:15	0.9	NNE
08/06/2016	10:20	2.2	NW	08/06/2016	16:50	1.8	NNE	08/06/2016	23:20	1.3	N
08/06/2016	10:25	1.8	NW	08/06/2016	16:55	1.8	NNE	08/06/2016	23:25	1.8	NW
08/06/2016	10:30	2.2	W	08/06/2016	17:00	1.3	NNE	08/06/2016	23:30	2.2	N
08/06/2016	10:35	2.2	WNW	08/06/2016	17:05	1.8	N	08/06/2016	23:35	1.3	N
08/06/2016	10:40	3.1	WNW	08/06/2016	17:10	1.8	N	08/06/2016	23:40	2.2	NNW
08/06/2016	10:45	1.8	NE	08/06/2016	17:15	2.2	N	08/06/2016	23:45	2.7	NNW
08/06/2016	10:50	2.2	NNE	08/06/2016	17:20	1.8	NNW	08/06/2016	23:50	2.2	NNW
08/06/2016	10:55	2.2	NNE	08/06/2016	17:25	1.3	NNE	08/06/2016	23:55	2.2	NNW
08/06/2016	11:00	2.2	NE	08/06/2016	17:30	1.3	NNE	09/06/2016	00:00	2.7	NW
08/06/2016	11:05	1.8	NNE	08/06/2016	17:35	1.8	N	09/06/2016	00:05	1.8	NW
08/06/2016	11:10	1.8	NNE	08/06/2016	17:40	1.3	NNE	09/06/2016	00:10	1.8	NNW
08/06/2016	11:15	1.8	NNE	08/06/2016	17:45	0.9	NNE	09/06/2016	00:15	1.8	NW
08/06/2016	11:20	1.3	NNE	08/06/2016	17:50	1.3	N	09/06/2016	00:20	2.2	NNW
08/06/2016	11:25	1.8	N	08/06/2016	17:55	1.8	NW	09/06/2016	00:25	2.7	NW
08/06/2016	11:30	1.8	N	08/06/2016	18:00	5.4	W	09/06/2016	00:30	2.2	NNW
08/06/2016	11:35	2.2	N	08/06/2016	18:05	4	W	09/06/2016	00:35	2.2	NW
08/06/2016	11:40	1.8	NNW	08/06/2016	18:10	1.8	NE	09/06/2016	00:40	2.2	NW
08/06/2016	11:45	1.3	NNE	08/06/2016	18:15	2.2	NNE	09/06/2016	00:45	2.2	NNW
08/06/2016	11:50	1.3	NNE	08/06/2016	18:20	2.2	NNE	09/06/2016	00:50	1.8	NNW
08/06/2016	11:55	1.8	N	08/06/2016	18:25	2.2	NE	09/06/2016	00:55	2.2	NNW
08/06/2016	12:00	1.3	NNE	08/06/2016	18:30	1.8	NNE	09/06/2016	01:00	1.8	NNW
08/06/2016	12:05	0.9	NNE	08/06/2016	18:35	1.8	NNE	09/06/2016	01:05	2.2	NNW
08/06/2016	12:10	1.3	N	08/06/2016	18:40	1.8	NNE	09/06/2016	01:10	2.2	NNW
08/06/2016	12:15	1.8	NW	08/06/2016	18:45	1.3	NNE	09/06/2016	01:15	1.3	NW
08/06/2016	12:20	4	W	08/06/2016	18:50	1.8	N	09/06/2016	01:20	2.2	NNW
08/06/2016	12:25	3.6	W	08/06/2016	18:55	1.8	N	09/06/2016	01:25	2.2	NW
08/06/2016	12:30	4.9	W	08/06/2016	19:00	2.2	N	09/06/2016	01:30	1.8	NW
08/06/2016	12:35	4	W	08/06/2016	19:05	1.8	NNW	09/06/2016	01:35	1.8	NNW
08/06/2016	12:40	4	W	08/06/2016	19:10	1.8	NE	09/06/2016	01:40	1.3	NNW
08/06/2016	12:45	4	W	08/06/2016	19:15	2.2	NNE	09/06/2016	01:45	2.2	NNW
08/06/2016	12:50	5.4	W	08/06/2016	19:20	2.2	NNE	09/06/2016	01:50	1.3	NNW
08/06/2016	12:55	4.9	W	08/06/2016	19:25	2.2	NE	09/06/2016	01:55	1.8	NW
08/06/2016	13:00	4.5	W	08/06/2016	19:30	1.8	NNE	09/06/2016	02:00	1.8	NW
08/06/2016	13:05	4	WNW	08/06/2016	19:35	1.8	NNE	09/06/2016	02:05	1.3	NNW
08/06/2016	13:10	4	WNW	08/06/2016	19:40	1.8	NNE	09/06/2016	02:10	1.3	NNW
08/06/2016	13:15	4.9	WNW	08/06/2016	19:45	1.3	NNE	09/06/2016	02:15	2.2	NNW
08/06/2016	13:20	4.5	WNW	08/06/2016	19:50	1.8	N	09/06/2016	02:20	2.2	NNW
08/06/2016	13:25	4.5	W	08/06/2016	19:55	1.8	N	09/06/2016	02:25	1.8	NW
08/06/2016	13:30	4.9	W	08/06/2016	20:00	2.2	N	09/06/2016	02:30	1.8	NW
08/06/2016	13:35	4.9	W	08/06/2016	20:05	1.8	NNW	09/06/2016	02:35	2.7	NW
08/06/2016	13:40	1.8	NE	08/06/2016	20:10	1.3	NNE	09/06/2016	02:40	2.2	NNW
08/06/2016	13:45	2.2	NNE	08/06/2016	20:15	1.3	NNE	09/06/2016	02:45	2.2	NW
08/06/2016	13:50	2.2	NNE	08/06/2016	20:20	1.8	N	09/06/2016	02:50	2.2	NNW
08/06/2016	13:55	2.2	NE	08/06/2016	20:25	1.3	NNE	09/06/2016	02:55	1.8	NNW
08/06/2016	14:00	1.8	NNE	08/06/2016	20:30	0.9	NNE	09/06/2016	03:00	1.3	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
09/06/2016	03:05	1.8	NNW	09/06/2016	09:35	3.1	WNW	09/06/2016	16:05	2.2	NW
09/06/2016	03:10	2.2	NNW	09/06/2016	09:40	3.6	WNW	09/06/2016	16:10	1.8	NW
09/06/2016	03:15	1.3	NNW	09/06/2016	09:45	3.6	W	09/06/2016	16:15	1.8	NNW
09/06/2016	03:20	2.7	NW	09/06/2016	09:50	3.6	WNW	09/06/2016	16:20	1.3	NNW
09/06/2016	03:25	1.8	NNW	09/06/2016	09:55	4	WNW	09/06/2016	16:25	2.2	NNW
09/06/2016	03:30	1.3	NW	09/06/2016	10:00	3.6	NW	09/06/2016	16:30	1.3	NNW
09/06/2016	03:35	1.8	NW	09/06/2016	10:05	3.1	WNW	09/06/2016	16:35	1.8	NW
09/06/2016	03:40	1.3	NW	09/06/2016	10:10	3.6	WNW	09/06/2016	16:40	1.8	NW
09/06/2016	03:45	2.2	NNW	09/06/2016	10:15	4.5	WNW	09/06/2016	16:45	1.3	NNW
09/06/2016	03:50	2.2	NW	09/06/2016	10:20	4	WNW	09/06/2016	16:50	1.3	NNW
09/06/2016	03:55	1.8	NW	09/06/2016	10:25	4	WNW	09/06/2016	16:55	2.2	NNW
09/06/2016	04:00	1.8	NNW	09/06/2016	10:30	4	W	09/06/2016	17:00	2.2	NNW
09/06/2016	04:05	1.3	NNW	09/06/2016	10:35	4.9	WNW	09/06/2016	17:05	1.8	NW
09/06/2016	04:10	2.2	NNW	09/06/2016	10:40	1.3	NW	09/06/2016	17:10	1.8	NW
09/06/2016	04:15	1.3	NNW	09/06/2016	10:45	2.2	NNW	09/06/2016	17:15	4.5	WNW
09/06/2016	04:20	1.8	NW	09/06/2016	10:50	2.2	NW	09/06/2016	17:20	4.9	W
09/06/2016	04:25	1.8	NW	09/06/2016	10:55	1.8	NW	09/06/2016	17:25	5.4	W
09/06/2016	04:30	1.3	NNW	09/06/2016	11:00	1.8	NNW	09/06/2016	17:30	4	W
09/06/2016	04:35	1.3	NNW	09/06/2016	11:05	1.3	NNW	09/06/2016	17:35	4.5	WNW
09/06/2016	04:40	2.2	NNW	09/06/2016	11:10	2.2	NNW	09/06/2016	17:40	2.2	NNW
09/06/2016	04:45	2.2	NNW	09/06/2016	11:15	1.3	NNW	09/06/2016	17:45	1.8	NNW
09/06/2016	04:50	1.8	NW	09/06/2016	11:20	1.8	NW	09/06/2016	17:50	2.2	NNW
09/06/2016	04:55	1.8	NW	09/06/2016	11:25	1.8	NW	09/06/2016	17:55	2.2	NNW
09/06/2016	05:00	1.3	NNW	09/06/2016	11:30	1.3	NNW	09/06/2016	18:00	1.3	NW
09/06/2016	05:05	0.9	NNW	09/06/2016	11:35	1.3	NNW	09/06/2016	18:05	2.2	NNW
09/06/2016	05:10	2.2	NNW	09/06/2016	11:40	2.2	NNW	09/06/2016	18:10	2.2	NW
09/06/2016	05:15	1.8	NNW	09/06/2016	11:45	2.2	NNW	09/06/2016	18:15	1.8	NW
09/06/2016	05:20	2.2	NNW	09/06/2016	11:50	1.8	NW	09/06/2016	18:20	1.8	NNW
09/06/2016	05:25	2.2	NNW	09/06/2016	11:55	1.8	NW	09/06/2016	18:25	1.3	NNW
09/06/2016	05:30	1.3	NW	09/06/2016	12:00	1.8	NNW	09/06/2016	18:30	2.2	NNW
09/06/2016	05:35	2.2	NNW	09/06/2016	12:05	2.2	NNW	09/06/2016	18:35	4.5	WNW
09/06/2016	05:40	2.2	NW	09/06/2016	12:10	2.2	NNW	09/06/2016	18:40	4.5	WNW
09/06/2016	05:45	1.8	NW	09/06/2016	12:15	1.3	NW	09/06/2016	18:45	4.9	WNW
09/06/2016	05:50	1.8	NNW	09/06/2016	12:20	2.2	NNW	09/06/2016	18:50	5.4	WNW
09/06/2016	05:55	1.3	NNW	09/06/2016	12:25	1.3	NW	09/06/2016	18:55	1.3	NW
09/06/2016	06:00	2.2	NNW	09/06/2016	12:30	2.2	NNW	09/06/2016	19:00	2.2	NNW
09/06/2016	06:05	0.9	NW	09/06/2016	12:35	2.2	NW	09/06/2016	19:05	2.2	NW
09/06/2016	06:10	1.3	N	09/06/2016	12:40	1.8	NW	09/06/2016	19:10	1.8	NW
09/06/2016	06:15	1.3	N	09/06/2016	12:45	1.8	NNW	09/06/2016	19:15	1.8	NNW
09/06/2016	06:20	1.8	NNW	09/06/2016	12:50	1.3	NNW	09/06/2016	19:20	1.3	NNW
09/06/2016	06:25	1.8	WNW	09/06/2016	12:55	2.2	NNW	09/06/2016	19:25	2.2	NNW
09/06/2016	06:30	1.8	NW	09/06/2016	13:00	1.3	NNW	09/06/2016	19:30	1.3	NNW
09/06/2016	06:35	1.8	NW	09/06/2016	13:05	1.8	NW	09/06/2016	19:35	1.8	NW
09/06/2016	06:40	1.8	WNW	09/06/2016	13:10	1.8	NW	09/06/2016	19:40	1.8	NW
09/06/2016	06:45	1.8	WNW	09/06/2016	13:15	1.3	NNW	09/06/2016	19:45	1.3	NNW
09/06/2016	06:50	1.8	NW	09/06/2016	13:20	1.3	NNW	09/06/2016	19:50	1.3	NNW
09/06/2016	06:55	1.3	NW	09/06/2016	13:25	2.2	NNW	09/06/2016	19:55	2.2	NNW
09/06/2016	07:00	1.8	NW	09/06/2016	13:30	2.2	NNW	09/06/2016	20:00	2.2	NNW
09/06/2016	07:05	1.3	NW	09/06/2016	13:35	1.8	NW	09/06/2016	20:05	1.8	NW
09/06/2016	07:10	1.8	WNW	09/06/2016	13:40	1.8	NW	09/06/2016	20:10	1.8	NW
09/06/2016	07:15	1.8	WNW	09/06/2016	13:45	5.8	WNW	09/06/2016	20:15	1.8	NW
09/06/2016	07:20	1.8	NW	09/06/2016	13:50	5.8	WNW	09/06/2016	20:20	1.8	NNW
09/06/2016	07:25	1.3	NW	09/06/2016	13:55	6.3	WNW	09/06/2016	20:25	1.3	NNW
09/06/2016	07:30	2.2	NNW	09/06/2016	14:00	5.4	WNW	09/06/2016	20:30	2.2	NNW
09/06/2016	07:35	2.2	NW	09/06/2016	14:05	6.7	WNW	09/06/2016	20:35	2.7	WSW
09/06/2016	07:40	1.8	NW	09/06/2016	14:10	2.2	NNW	09/06/2016	20:40	2.2	WSW
09/06/2016	07:45	1.8	NNW	09/06/2016	14:15	1.8	NNW	09/06/2016	20:45	4	W
09/06/2016	07:50	1.3	NNW	09/06/2016	14:20	2.2	NNW	09/06/2016	20:50	1.3	SSW
09/06/2016	07:55	2.2	NNW	09/06/2016	14:25	2.2	NNW	09/06/2016	20:55	1.8	WSW
09/06/2016	08:00	1.3	NNW	09/06/2016	14:30	1.3	NW	09/06/2016	21:00	4	SW
09/06/2016	08:05	1.8	NW	09/06/2016	14:35	2.2	NNW	09/06/2016	21:05	3.1	WSW
09/06/2016	08:10	1.8	NW	09/06/2016	14:40	2.2	NW	09/06/2016	21:10	3.6	WSW
09/06/2016	08:15	1.3	NNW	09/06/2016	14:45	1.8	NW	09/06/2016	21:15	3.1	WSW
09/06/2016	08:20	1.3	NNW	09/06/2016	14:50	1.8	NNW	09/06/2016	21:20	3.1	WSW
09/06/2016	08:25	2.2	NNW	09/06/2016	14:55	1.3	NNW	09/06/2016	21:25	2.7	SW
09/06/2016	08:30	2.2	NNW	09/06/2016	15:00	2.2	NNW	09/06/2016	21:30	2.2	SW
09/06/2016	08:35	1.8	NW	09/06/2016	15:05	4.9	WNW	09/06/2016	21:35	1.8	SW
09/06/2016	08:40	1.8	NW	09/06/2016	15:10	5.4	WNW	09/06/2016	21:40	1.3	NW
09/06/2016	08:45	2.2	WNW	09/06/2016	15:15	6.3	WNW	09/06/2016	21:45	2.2	NNW
09/06/2016	08:50	2.7	W	09/06/2016	15:20	5.8	WNW	09/06/2016	21:50	2.2	NW
09/06/2016	08:55	3.1	WNW	09/06/2016	15:25	6.7	WNW	09/06/2016	21:55	1.8	NW
09/06/2016	09:00	2.7	WNW	09/06/2016	15:30	4.9	WNW	09/06/2016	22:00	1.8	NNW
09/06/2016	09:05	2.7	W	09/06/2016	15:35	6.3	WNW	09/06/2016	22:05	1.3	NNW
09/06/2016	09:10	3.1	W	09/06/2016	15:40	4.9	WNW	09/06/2016	22:10	2.2	NNW
09/06/2016	09:15	3.1	W	09/06/2016	15:45	4.9	W	09/06/2016	22:15	1.3	NNW
09/06/2016	09:20	2.7	WNW	09/06/2016	15:50	4.5	WNW	09/06/2016	22:20	1.8	NW
09/06/2016	09:25	3.1	W	09/06/2016	15:55	1.3	NW	09/06/2016	22:25	1.8	NW
09/06/2016	09:30	3.6	WNW	09/06/2016	16:00	2.2	NNW	09/06/2016	22:30	1.3	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
09/06/2016	22:35	1.3	NNW	10/06/2016	05:05	3.1	E	10/06/2016	11:35	5.4	ENE
09/06/2016	22:40	2.2	NNW	10/06/2016	05:10	2.7	E	10/06/2016	11:40	4.9	E
09/06/2016	22:45	2.2	NNW	10/06/2016	05:15	1.8	E	10/06/2016	11:45	6.3	E
09/06/2016	22:50	1.8	NW	10/06/2016	05:20	2.7	E	10/06/2016	11:50	4.5	ENE
09/06/2016	22:55	1.8	NW	10/06/2016	05:25	3.1	E	10/06/2016	11:55	6.7	E
09/06/2016	23:00	0.4	WSW	10/06/2016	05:30	5.8	E	10/06/2016	12:00	5.4	E
09/06/2016	23:05	0.4	WSW	10/06/2016	05:35	4	E	10/06/2016	12:05	4.5	E
09/06/2016	23:10	2.2	NNW	10/06/2016	05:40	4.5	ENE	10/06/2016	12:10	5.4	E
09/06/2016	23:15	1.8	NNW	10/06/2016	05:45	3.6	ENE	10/06/2016	12:15	4.9	E
09/06/2016	23:20	2.2	NNW	10/06/2016	05:50	4	E	10/06/2016	12:20	4.9	E
09/06/2016	23:25	2.2	NNW	10/06/2016	05:55	3.1	E	10/06/2016	12:25	4.5	E
09/06/2016	23:30	1.3	NW	10/06/2016	06:00	0.9	ENE	10/06/2016	12:30	4	E
09/06/2016	23:35	2.2	NNW	10/06/2016	06:05	1.8	E	10/06/2016	12:35	4.5	ENE
09/06/2016	23:40	2.2	NW	10/06/2016	06:10	1.8	NE	10/06/2016	12:40	4.9	ENE
09/06/2016	23:45	1.8	NW	10/06/2016	06:15	2.2	ENE	10/06/2016	12:45	4.9	E
09/06/2016	23:50	1.8	NNW	10/06/2016	06:20	2.7	NE	10/06/2016	12:50	4.9	ENE
09/06/2016	23:55	1.3	NNW	10/06/2016	06:25	2.2	ENE	10/06/2016	12:55	4.9	E
10/06/2016	00:00	2.2	NNW	10/06/2016	06:30	0.9	ENE	10/06/2016	13:00	4.5	ENE
10/06/2016	00:05	0.9	ENE	10/06/2016	06:35	0.9	ENE	10/06/2016	13:05	5.4	E
10/06/2016	00:10	0.9	NE	10/06/2016	06:40	1.3	E	10/06/2016	13:10	5.8	E
10/06/2016	00:15	0.9	ENE	10/06/2016	06:45	1.3	NNE	10/06/2016	13:15	0.9	ENE
10/06/2016	00:20	1.8	E	10/06/2016	06:50	0.4	NE	10/06/2016	13:20	1.8	E
10/06/2016	00:25	1.8	NE	10/06/2016	06:55	2.7	ENE	10/06/2016	13:25	1.8	NE
10/06/2016	00:30	2.2	ENE	10/06/2016	07:00	2.2	ENE	10/06/2016	13:30	2.2	ENE
10/06/2016	00:35	2.7	NE	10/06/2016	07:05	1.3	ENE	10/06/2016	13:35	2.7	NE
10/06/2016	00:40	2.2	ENE	10/06/2016	07:10	1.8	E	10/06/2016	13:40	2.2	ENE
10/06/2016	00:45	0.9	ENE	10/06/2016	07:15	1.8	ENE	10/06/2016	13:45	0.9	ENE
10/06/2016	00:50	0.9	ENE	10/06/2016	07:20	2.2	ENE	10/06/2016	13:50	0.9	ENE
10/06/2016	00:55	1.3	E	10/06/2016	07:25	0.9	ENE	10/06/2016	13:55	1.3	E
10/06/2016	01:00	1.3	NNE	10/06/2016	07:30	0.9	ENE	10/06/2016	14:00	1.3	NNE
10/06/2016	01:05	0.4	NE	10/06/2016	07:35	1.3	E	10/06/2016	14:05	0.4	NE
10/06/2016	01:10	2.7	ENE	10/06/2016	07:40	1.3	NNE	10/06/2016	14:10	2.7	ENE
10/06/2016	01:15	2.2	ENE	10/06/2016	07:45	0.4	NE	10/06/2016	14:15	2.2	ENE
10/06/2016	01:20	1.3	ENE	10/06/2016	07:50	4.9	E	10/06/2016	14:20	1.3	ENE
10/06/2016	01:25	1.8	E	10/06/2016	07:55	4	E	10/06/2016	14:25	1.8	E
10/06/2016	01:30	1.8	ENE	10/06/2016	08:00	4	E	10/06/2016	14:30	1.8	ENE
10/06/2016	01:35	3.6	ENE	10/06/2016	08:05	4.5	E	10/06/2016	14:35	2.2	ENE
10/06/2016	01:40	2.7	E	10/06/2016	08:10	4	E	10/06/2016	14:40	2.7	E
10/06/2016	01:45	2.7	ENE	10/06/2016	08:15	4	E	10/06/2016	14:45	2.7	ESE
10/06/2016	01:50	4.5	E	10/06/2016	08:20	4	ENE	10/06/2016	14:50	1.8	ENE
10/06/2016	01:55	2.2	ENE	10/06/2016	08:25	4.9	E	10/06/2016	14:55	3.1	E
10/06/2016	02:00	2.2	E	10/06/2016	08:30	4	E	10/06/2016	15:00	2.2	E
10/06/2016	02:05	3.6	E	10/06/2016	08:35	4.5	E	10/06/2016	15:05	3.6	E
10/06/2016	02:10	3.1	E	10/06/2016	08:40	5.4	E	10/06/2016	15:10	3.1	NE
10/06/2016	02:15	2.2	E	10/06/2016	08:45	6.3	ENE	10/06/2016	15:15	3.6	E
10/06/2016	02:20	2.7	E	10/06/2016	08:50	6.3	E	10/06/2016	15:20	4.5	ENE
10/06/2016	02:25	3.1	E	10/06/2016	08:55	5.4	E	10/06/2016	15:25	3.6	E
10/06/2016	02:30	3.1	E	10/06/2016	09:00	5.4	E	10/06/2016	15:30	3.6	NE
10/06/2016	02:35	4	ESE	10/06/2016	09:05	5.8	ENE	10/06/2016	15:35	3.1	NE
10/06/2016	02:40	3.1	E	10/06/2016	09:10	4.5	E	10/06/2016	15:40	3.6	NE
10/06/2016	02:45	4.5	ENE	10/06/2016	09:15	4.9	E	10/06/2016	15:45	2.7	ENE
10/06/2016	02:50	6.3	E	10/06/2016	09:20	4.5	E	10/06/2016	15:50	2.7	ENE
10/06/2016	02:55	5.4	E	10/06/2016	09:25	4.9	ENE	10/06/2016	15:55	2.7	NE
10/06/2016	03:00	0.9	ENE	10/06/2016	09:30	5.8	E	10/06/2016	16:00	0.9	ENE
10/06/2016	03:05	1.8	E	10/06/2016	09:35	5.4	E	10/06/2016	16:05	1.8	E
10/06/2016	03:10	1.8	NE	10/06/2016	09:40	4.9	E	10/06/2016	16:10	1.8	NE
10/06/2016	03:15	2.2	ENE	10/06/2016	09:45	0.9	ENE	10/06/2016	16:15	2.2	ENE
10/06/2016	03:20	2.7	NE	10/06/2016	09:50	1.8	E	10/06/2016	16:20	2.7	NE
10/06/2016	03:25	2.2	ENE	10/06/2016	09:55	1.8	NE	10/06/2016	16:25	2.2	ENE
10/06/2016	03:30	0.9	ENE	10/06/2016	10:00	2.2	ENE	10/06/2016	16:30	0.9	ENE
10/06/2016	03:35	0.9	ENE	10/06/2016	10:05	2.7	NE	10/06/2016	16:35	0.9	ENE
10/06/2016	03:40	1.3	E	10/06/2016	10:10	2.2	ENE	10/06/2016	16:40	1.3	E
10/06/2016	03:45	1.3	NNE	10/06/2016	10:15	0.9	ENE	10/06/2016	16:45	1.3	NNE
10/06/2016	03:50	0.4	NE	10/06/2016	10:20	0.9	ENE	10/06/2016	16:50	0.4	NE
10/06/2016	03:55	2.7	ENE	10/06/2016	10:25	1.3	E	10/06/2016	16:55	2.7	ENE
10/06/2016	04:00	2.2	ENE	10/06/2016	10:30	1.3	NNE	10/06/2016	17:00	2.2	ENE
10/06/2016	04:05	1.3	ENE	10/06/2016	10:35	0.4	NE	10/06/2016	17:05	1.3	ENE
10/06/2016	04:10	1.8	E	10/06/2016	10:40	2.7	ENE	10/06/2016	17:10	1.8	E
10/06/2016	04:15	1.8	ENE	10/06/2016	10:45	2.2	ENE	10/06/2016	17:15	1.8	ENE
10/06/2016	04:20	1.3	E	10/06/2016	10:50	1.3	ENE	10/06/2016	17:20	0.4	NE
10/06/2016	04:25	1.3	NNE	10/06/2016	10:55	1.8	E	10/06/2016	17:25	1.3	ENE
10/06/2016	04:30	0.4	NE	10/06/2016	11:00	1.8	ENE	10/06/2016	17:30	1.8	ENE
10/06/2016	04:35	4.5	E	10/06/2016	11:05	5.8	E	10/06/2016	17:35	2.2	E
10/06/2016	04:40	4	ENE	10/06/2016	11:10	5.4	E	10/06/2016	17:40	1.3	NNE
10/06/2016	04:45	3.1	E	10/06/2016	11:15	5.4	E	10/06/2016	17:45	2.2	E
10/06/2016	04:50	3.1	E	10/06/2016	11:20	4.5	E	10/06/2016	17:50	1.8	E
10/06/2016	04:55	3.6	E	10/06/2016	11:25	4	E	10/06/2016	17:55	1.8	E
10/06/2016	05:00	2.7	E	10/06/2016	11:30	5.4	E	10/06/2016	18:00	0.9	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
10/06/2016	18:05	1.8	E	11/06/2016	00:35	0.9	SSW	11/06/2016	07:05	0.4	SW
10/06/2016	18:10	1.8	NE	11/06/2016	00:40	0.9	SSW	11/06/2016	07:10	1.3	SSW
10/06/2016	18:15	2.2	ENE	11/06/2016	00:45	0.9	SSW	11/06/2016	07:15	1.3	WSW
10/06/2016	18:20	2.7	NE	11/06/2016	00:50	0.9	SSW	11/06/2016	07:20	1.8	WSW
10/06/2016	18:25	2.2	ENE	11/06/2016	00:55	0.9	SSW	11/06/2016	07:25	1.3	SW
10/06/2016	18:30	0.9	ENE	11/06/2016	01:00	0.4	WSW	11/06/2016	07:30	2.2	SW
10/06/2016	18:35	0.9	ENE	11/06/2016	01:05	0.4	SW	11/06/2016	07:35	2.2	SW
10/06/2016	18:40	1.3	E	11/06/2016	01:10	1.3	SW	11/06/2016	07:40	2.2	SW
10/06/2016	18:45	1.3	NNE	11/06/2016	01:15	0.4	SW	11/06/2016	07:45	2.2	SW
10/06/2016	18:50	0.4	NE	11/06/2016	01:20	0.9	SW	11/06/2016	07:50	2.2	SW
10/06/2016	18:55	2.7	ENE	11/06/2016	01:25	0.9	SSW	11/06/2016	07:55	0.4	WSW
10/06/2016	19:00	2.2	ENE	11/06/2016	01:30	0.4	SW	11/06/2016	08:00	0.4	SW
10/06/2016	19:05	1.3	ENE	11/06/2016	01:35	0.9	SW	11/06/2016	08:05	1.3	SW
10/06/2016	19:10	1.8	E	11/06/2016	01:40	0.9	SW	11/06/2016	08:10	0.4	SW
10/06/2016	19:15	1.8	ENE	11/06/2016	01:45	0.9	SSW	11/06/2016	08:15	0.9	SW
10/06/2016	19:20	1.8	WSW	11/06/2016	01:50	0.9	SW	11/06/2016	08:20	0.9	SSW
10/06/2016	19:25	2.2	WSW	11/06/2016	01:55	0.4	SSW	11/06/2016	08:25	0.4	SW
10/06/2016	19:30	0.9	ENE	11/06/2016	02:00	0.4	SW	11/06/2016	08:30	0.9	SW
10/06/2016	19:35	1.8	E	11/06/2016	02:05	0.4	SW	11/06/2016	08:35	0.9	SW
10/06/2016	19:40	1.8	NE	11/06/2016	02:10	0.4	SW	11/06/2016	08:40	0.9	SSW
10/06/2016	19:45	2.2	ENE	11/06/2016	02:15	0.4	SW	11/06/2016	08:45	0.9	SW
10/06/2016	19:50	2.7	NE	11/06/2016	02:20	1.3	SW	11/06/2016	08:50	0.4	SSW
10/06/2016	19:55	2.2	ENE	11/06/2016	02:25	0.4	SW	11/06/2016	08:55	0.4	SW
10/06/2016	20:00	0.9	ENE	11/06/2016	02:30	0.4	WSW	11/06/2016	09:00	0.4	SW
10/06/2016	20:05	1.8	E	11/06/2016	02:35	0.4	SW	11/06/2016	09:05	0.4	SW
10/06/2016	20:10	1.8	NE	11/06/2016	02:40	1.3	SW	11/06/2016	09:10	0.4	SW
10/06/2016	20:15	2.2	ENE	11/06/2016	02:45	0.4	SW	11/06/2016	09:15	1.3	SW
10/06/2016	20:20	2.7	NE	11/06/2016	02:50	0.9	SW	11/06/2016	09:20	0.4	SW
10/06/2016	20:25	2.2	ENE	11/06/2016	02:55	0.9	SW	11/06/2016	09:25	1.3	W
10/06/2016	20:30	0.9	ENE	11/06/2016	03:00	0.9	SW	11/06/2016	09:30	1.8	WSW
10/06/2016	20:35	0.9	ENE	11/06/2016	03:05	0.9	SW	11/06/2016	09:35	1.3	W
10/06/2016	20:40	1.3	E	11/06/2016	03:10	0.9	SW	11/06/2016	09:40	1.8	W
10/06/2016	20:45	1.3	NNE	11/06/2016	03:15	0.9	SSW	11/06/2016	09:45	1.3	W
10/06/2016	20:50	0.4	NE	11/06/2016	03:20	0.9	SW	11/06/2016	09:50	2.2	W
10/06/2016	20:55	2.7	ENE	11/06/2016	03:25	0.4	SW	11/06/2016	09:55	2.7	W
10/06/2016	21:00	2.2	ENE	11/06/2016	03:30	0.9	SSW	11/06/2016	10:00	2.7	WNW
10/06/2016	21:05	1.3	ENE	11/06/2016	03:35	1.3	WSW	11/06/2016	10:05	2.7	WNW
10/06/2016	21:10	1.8	E	11/06/2016	03:40	0.4	WSW	11/06/2016	10:10	2.7	W
10/06/2016	21:15	1.8	ENE	11/06/2016	03:45	0.4	SW	11/06/2016	10:15	2.7	W
10/06/2016	21:20	2.2	W	11/06/2016	03:50	1.3	SW	11/06/2016	10:20	2.2	W
10/06/2016	21:25	1.3	WNW	11/06/2016	03:55	0.4	SW	11/06/2016	10:25	1.8	W
10/06/2016	21:30	0.9	ENE	11/06/2016	04:00	0.9	SW	11/06/2016	10:30	0.4	WSW
10/06/2016	21:35	1.8	E	11/06/2016	04:05	0.9	SSW	11/06/2016	10:35	0.4	SW
10/06/2016	21:40	1.8	NE	11/06/2016	04:10	0.4	SW	11/06/2016	10:40	1.3	SW
10/06/2016	21:45	2.2	ENE	11/06/2016	04:15	0.9	SW	11/06/2016	10:45	0.4	SW
10/06/2016	21:50	2.7	NE	11/06/2016	04:20	0.9	SW	11/06/2016	10:50	0.9	SW
10/06/2016	21:55	2.2	ENE	11/06/2016	04:25	0.9	SSW	11/06/2016	10:55	0.9	SSW
10/06/2016	22:00	0.9	ENE	11/06/2016	04:30	0.9	SW	11/06/2016	11:00	0.4	SW
10/06/2016	22:05	0.9	ENE	11/06/2016	04:35	0.4	SSW	11/06/2016	11:05	0.9	SW
10/06/2016	22:10	1.3	E	11/06/2016	04:40	0.4	SW	11/06/2016	11:10	0.9	SW
10/06/2016	22:15	1.3	NNE	11/06/2016	04:45	0.4	SW	11/06/2016	11:15	0.9	SSW
10/06/2016	22:20	0.4	NE	11/06/2016	04:50	0.4	SW	11/06/2016	11:20	0.9	SW
10/06/2016	22:25	0.9	ENE	11/06/2016	04:55	0.4	SW	11/06/2016	11:25	0.4	SSW
10/06/2016	22:30	1.8	E	11/06/2016	05:00	1.3	SW	11/06/2016	11:30	0.4	SW
10/06/2016	22:35	1.8	NE	11/06/2016	05:05	0.4	SW	11/06/2016	11:35	0.4	SW
10/06/2016	22:40	2.2	ENE	11/06/2016	05:10	1.3	SW	11/06/2016	11:40	0.4	SW
10/06/2016	22:45	2.7	NE	11/06/2016	05:15	0.4	SW	11/06/2016	11:45	0.4	SW
10/06/2016	22:50	2.2	ENE	11/06/2016	05:20	0.4	WSW	11/06/2016	11:50	1.3	SW
10/06/2016	22:55	0.9	ENE	11/06/2016	05:25	0.4	SW	11/06/2016	11:55	0.4	SW
10/06/2016	23:00	0.9	ENE	11/06/2016	05:30	1.3	SW	11/06/2016	12:00	2.7	WNW
10/06/2016	23:05	1.3	E	11/06/2016	05:35	0.4	SW	11/06/2016	12:05	2.7	WNW
10/06/2016	23:10	1.3	NNE	11/06/2016	05:40	0.4	WSW	11/06/2016	12:10	3.1	W
10/06/2016	23:15	0.4	NE	11/06/2016	05:45	0.4	SW	11/06/2016	12:15	2.2	W
10/06/2016	23:20	2.7	ENE	11/06/2016	05:50	1.3	SW	11/06/2016	12:20	2.7	WSW
10/06/2016	23:25	2.2	ENE	11/06/2016	05:55	0.4	SW	11/06/2016	12:25	2.7	W
10/06/2016	23:30	1.3	ENE	11/06/2016	06:00	0.9	SW	11/06/2016	12:30	2.7	WNW
10/06/2016	23:35	1.8	E	11/06/2016	06:05	0.9	SSW	11/06/2016	12:35	3.1	W
10/06/2016	23:40	1.8	ENE	11/06/2016	06:10	0.4	SW	11/06/2016	12:40	3.1	W
10/06/2016	23:45	2.2	ENE	11/06/2016	06:15	0.9	SW	11/06/2016	12:45	0.4	WSW
10/06/2016	23:50	0.9	ENE	11/06/2016	06:20	0.9	SW	11/06/2016	12:50	0.4	SW
10/06/2016	23:55	0.9	ENE	11/06/2016	06:25	0.9	SSW	11/06/2016	12:55	1.3	SW
11/06/2016	00:00	1.3	E	11/06/2016	06:30	0.9	SW	11/06/2016	13:00	0.4	SW
11/06/2016	00:05	0.4	SW	11/06/2016	06:35	0.4	SSW	11/06/2016	13:05	0.9	SW
11/06/2016	00:10	0.4	SSW	11/06/2016	06:40	0.4	SW	11/06/2016	13:10	0.9	SSW
11/06/2016	00:15	0.9	SW	11/06/2016	06:45	0.4	SW	11/06/2016	13:15	0.4	SW
11/06/2016	00:20	0.9	SSE	11/06/2016	06:50	0.4	SW	11/06/2016	13:20	0.9	SW
11/06/2016	00:25	0.9	SSE	11/06/2016	06:55	0.4	SW	11/06/2016	13:25	0.9	SW
11/06/2016	00:30	0.9	SSE	11/06/2016	07:00	1.3	SW	11/06/2016	13:30	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
11/06/2016	13:35	0.9	SW	11/06/2016	20:05	1.3	SW	12/06/2016	02:35	1.3	N
11/06/2016	13:40	0.4	SSW	11/06/2016	20:10	0.4	SW	12/06/2016	02:40	1.3	N
11/06/2016	13:45	0.4	SW	11/06/2016	20:15	0.9	SW	12/06/2016	02:45	1.3	NE
11/06/2016	13:50	0.4	SW	11/06/2016	20:20	0.9	SSW	12/06/2016	02:50	0.9	NE
11/06/2016	13:55	0.4	SW	11/06/2016	20:25	0.4	SW	12/06/2016	02:55	1.3	N
11/06/2016	14:00	0.4	SW	11/06/2016	20:30	0.9	SW	12/06/2016	03:00	0.4	NNE
11/06/2016	14:05	1.3	SW	11/06/2016	20:35	0.9	SW	12/06/2016	03:05	0.4	NNE
11/06/2016	14:10	0.4	SW	11/06/2016	20:40	0.9	SSW	12/06/2016	03:10	0.4	NNE
11/06/2016	14:15	3.6	W	11/06/2016	20:45	0.9	SW	12/06/2016	03:15	0.4	NNE
11/06/2016	14:20	3.1	W	11/06/2016	20:50	0.4	SSW	12/06/2016	03:20	0.9	WSW
11/06/2016	14:25	3.1	W	11/06/2016	20:55	0.4	SW	12/06/2016	03:25	0.9	WSW
11/06/2016	14:30	3.1	W	11/06/2016	21:00	0.4	SW	12/06/2016	03:30	0.9	WSW
11/06/2016	14:35	3.6	W	11/06/2016	21:05	0.4	SW	12/06/2016	03:35	0.9	WSW
11/06/2016	14:40	3.1	W	11/06/2016	21:10	0.4	SW	12/06/2016	03:40	0.9	WSW
11/06/2016	14:45	0.9	SSW	11/06/2016	21:15	1.3	SW	12/06/2016	03:45	0.9	NNE
11/06/2016	14:50	0.4	WSW	11/06/2016	21:20	0.4	SW	12/06/2016	03:50	0.9	NE
11/06/2016	14:55	0.4	SW	11/06/2016	21:25	0.9	NE	12/06/2016	03:55	1.3	NE
11/06/2016	15:00	0.4	WSW	11/06/2016	21:30	0.9	NE	12/06/2016	04:00	1.3	N
11/06/2016	15:05	0.4	SW	11/06/2016	21:35	0.9	NE	12/06/2016	04:05	1.3	N
11/06/2016	15:10	1.3	SW	11/06/2016	21:40	0.9	NE	12/06/2016	04:10	1.3	N
11/06/2016	15:15	0.4	SW	11/06/2016	21:45	1.3	NE	12/06/2016	04:15	1.3	NE
11/06/2016	15:20	0.9	SW	11/06/2016	21:50	0.9	NE	12/06/2016	04:20	0.9	NE
11/06/2016	15:25	0.9	SSW	11/06/2016	21:55	0.4	NE	12/06/2016	04:25	1.3	N
11/06/2016	15:30	0.4	SW	11/06/2016	22:00	0.4	NE	12/06/2016	04:30	0.4	SSW
11/06/2016	15:35	0.9	SW	11/06/2016	22:05	0.9	SSW	12/06/2016	04:35	0.4	SSW
11/06/2016	15:40	0.9	SW	11/06/2016	22:10	0.4	WSW	12/06/2016	04:40	0.4	NW
11/06/2016	15:45	0.9	SSW	11/06/2016	22:15	0.4	SW	12/06/2016	04:45	0.4	NW
11/06/2016	15:50	0.9	SW	11/06/2016	22:20	1.3	SW	12/06/2016	04:50	0.4	WSW
11/06/2016	15:55	0.4	SSW	11/06/2016	22:25	0.4	SW	12/06/2016	04:55	0.4	WSW
11/06/2016	16:00	0.4	SW	11/06/2016	22:30	0.9	SW	12/06/2016	05:00	0.9	WSW
11/06/2016	16:05	0.4	SW	11/06/2016	22:35	0.9	SSW	12/06/2016	05:05	0.9	NNE
11/06/2016	16:10	0.4	SW	11/06/2016	22:40	0.4	WSW	12/06/2016	05:10	1.3	N
11/06/2016	16:15	0.4	SW	11/06/2016	22:45	0.4	SW	12/06/2016	05:15	0.9	NE
11/06/2016	16:20	1.3	SW	11/06/2016	22:50	1.3	SW	12/06/2016	05:20	0.9	NNW
11/06/2016	16:25	0.4	SW	11/06/2016	22:55	0.4	SW	12/06/2016	05:25	0.9	NNW
11/06/2016	16:30	2.7	W	11/06/2016	23:00	0.9	SW	12/06/2016	05:30	0.9	NNW
11/06/2016	16:35	2.7	WNW	11/06/2016	23:05	0.9	SSW	12/06/2016	05:35	0.4	NNE
11/06/2016	16:40	3.1	W	11/06/2016	23:10	0.4	SW	12/06/2016	05:40	0.4	NNE
11/06/2016	16:45	2.2	W	11/06/2016	23:15	0.9	SW	12/06/2016	05:45	0.4	NNE
11/06/2016	16:50	0.4	WSW	11/06/2016	23:20	0.9	SW	12/06/2016	05:50	0.4	NNE
11/06/2016	16:55	0.4	SW	11/06/2016	23:25	0.9	SSW	12/06/2016	05:55	0.4	NNE
11/06/2016	17:00	1.3	SW	11/06/2016	23:30	0.9	SW	12/06/2016	06:00	0.4	NNE
11/06/2016	17:05	0.4	SW	11/06/2016	23:35	0.4	SSW	12/06/2016	06:05	0.4	NNE
11/06/2016	17:10	0.9	SW	11/06/2016	23:40	0.4	SW	12/06/2016	06:10	0.4	NNE
11/06/2016	17:15	0.9	SSW	11/06/2016	23:45	0.4	SW	12/06/2016	06:15	0.4	NNE
11/06/2016	17:20	0.4	SW	11/06/2016	23:50	0.4	SW	12/06/2016	06:20	0.4	NNE
11/06/2016	17:25	0.9	SW	11/06/2016	23:55	0.4	SW	12/06/2016	06:25	0.4	NNE
11/06/2016	17:30	0.9	SW	12/06/2016	00:00	1.3	SW	12/06/2016	06:30	0.9	WSW
11/06/2016	17:35	0.9	SSW	12/06/2016	00:05	0.4	NNE	12/06/2016	06:35	0.4	WSW
11/06/2016	17:40	0.9	SW	12/06/2016	00:10	0.9	NNE	12/06/2016	06:40	0.4	WSW
11/06/2016	17:45	0.4	SSW	12/06/2016	00:15	0.9	NNE	12/06/2016	06:45	0.9	WSW
11/06/2016	17:50	0.4	SW	12/06/2016	00:20	0.4	NNE	12/06/2016	06:50	0.9	NNE
11/06/2016	17:55	0.4	SW	12/06/2016	00:25	0.9	ENE	12/06/2016	06:55	0.9	NE
11/06/2016	18:00	0.4	SW	12/06/2016	00:30	0.9	ENE	12/06/2016	07:00	1.3	NE
11/06/2016	18:05	0.4	SW	12/06/2016	00:35	0.9	ENE	12/06/2016	07:05	1.3	N
11/06/2016	18:10	1.3	SW	12/06/2016	00:40	0.4	WSW	12/06/2016	07:10	1.3	N
11/06/2016	18:15	0.4	SW	12/06/2016	00:45	0.4	WSW	12/06/2016	07:15	1.3	N
11/06/2016	18:20	0.9	SSW	12/06/2016	00:50	0.9	WSW	12/06/2016	07:20	1.3	NE
11/06/2016	18:25	0.9	SSW	12/06/2016	00:55	0.9	NNE	12/06/2016	07:25	0.9	WSW
11/06/2016	18:30	0.4	WSW	12/06/2016	01:00	0.9	NE	12/06/2016	07:30	0.9	NNE
11/06/2016	18:35	0.4	SW	12/06/2016	01:05	1.3	NE	12/06/2016	07:35	0.9	NE
11/06/2016	18:40	1.3	SW	12/06/2016	01:10	1.3	N	12/06/2016	07:40	1.3	NE
11/06/2016	18:45	0.4	SW	12/06/2016	01:15	1.3	N	12/06/2016	07:45	1.3	N
11/06/2016	18:50	0.9	SW	12/06/2016	01:20	1.3	N	12/06/2016	07:50	1.3	N
11/06/2016	18:55	0.9	SSW	12/06/2016	01:25	1.3	NE	12/06/2016	07:55	1.3	N
11/06/2016	19:00	0.4	SW	12/06/2016	01:30	0.9	NE	12/06/2016	08:00	1.3	NE
11/06/2016	19:05	0.9	SW	12/06/2016	01:35	1.3	N	12/06/2016	08:05	0.9	NE
11/06/2016	19:10	0.9	SW	12/06/2016	01:40	0.4	SSW	12/06/2016	08:10	1.3	N
11/06/2016	19:15	1.8	SSW	12/06/2016	01:45	0.4	SSW	12/06/2016	08:15	0.4	SSW
11/06/2016	19:20	1.8	SSW	12/06/2016	01:50	0.4	NW	12/06/2016	08:20	0.4	SSW
11/06/2016	19:25	1.3	SW	12/06/2016	01:55	0.4	NW	12/06/2016	08:25	0.4	NW
11/06/2016	19:30	0.4	SW	12/06/2016	02:00	0.4	WSW	12/06/2016	08:30	0.4	NW
11/06/2016	19:35	2.2	SW	12/06/2016	02:05	0.4	WSW	12/06/2016	08:35	0.4	WSW
11/06/2016	19:40	2.2	WSW	12/06/2016	02:10	0.9	WSW	12/06/2016	08:40	0.4	WSW
11/06/2016	19:45	1.8	SW	12/06/2016	02:15	0.9	NNE	12/06/2016	08:45	0.9	WSW
11/06/2016	19:50	2.2	SW	12/06/2016	02:20	0.9	NE	12/06/2016	08:50	0.9	NNE
11/06/2016	19:55	0.4	WSW	12/06/2016	02:25	1.3	NE	12/06/2016	08:55	0.4	WSW
11/06/2016	20:00	0.4	SW	12/06/2016	02:30	1.3	N	12/06/2016	09:00	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
12/06/2016	09:05	0.9	NNE	12/06/2016	15:35	0.4	WSW	12/06/2016	22:05	2.7	WSW
12/06/2016	09:10	0.9	NE	12/06/2016	15:40	0.4	WSW	12/06/2016	22:10	2.7	WSW
12/06/2016	09:15	1.3	NE	12/06/2016	15:45	0.9	WSW	12/06/2016	22:15	2.2	WSW
12/06/2016	09:20	1.3	N	12/06/2016	15:50	0.9	NNE	12/06/2016	22:20	2.7	SW
12/06/2016	09:25	1.3	N	12/06/2016	15:55	1.3	N	12/06/2016	22:25	0.9	WSW
12/06/2016	09:30	1.3	N	12/06/2016	16:00	1.3	N	12/06/2016	22:30	1.3	W
12/06/2016	09:35	1.3	NE	12/06/2016	16:05	1.3	NE	12/06/2016	22:35	1.8	W
12/06/2016	09:40	0.9	NE	12/06/2016	16:10	0.9	NE	12/06/2016	22:40	1.3	SW
12/06/2016	09:45	1.3	N	12/06/2016	16:15	1.3	N	12/06/2016	22:45	1.3	SW
12/06/2016	09:50	1.3	NNE	12/06/2016	16:20	2.7	NE	12/06/2016	22:50	0.4	WSW
12/06/2016	09:55	1.3	N	12/06/2016	16:25	0.9	WSW	12/06/2016	22:55	0.4	WSW
12/06/2016	10:00	0.9	NNE	12/06/2016	16:30	0.9	NNE	12/06/2016	23:00	0.9	WSW
12/06/2016	10:05	0.9	NNE	12/06/2016	16:35	0.9	NE	12/06/2016	23:05	0.9	NNE
12/06/2016	10:10	1.3	NNE	12/06/2016	16:40	1.3	NE	12/06/2016	23:10	0.9	NE
12/06/2016	10:15	0.9	NNE	12/06/2016	16:45	1.3	N	12/06/2016	23:15	1.3	NE
12/06/2016	10:20	0.9	NNE	12/06/2016	16:50	1.3	N	12/06/2016	23:20	1.3	N
12/06/2016	10:25	0.9	NNE	12/06/2016	16:55	1.3	N	12/06/2016	23:25	1.3	N
12/06/2016	10:30	0.9	NNE	12/06/2016	17:00	1.3	NE	12/06/2016	23:30	1.3	N
12/06/2016	10:35	0.4	NNE	12/06/2016	17:05	0.9	NE	12/06/2016	23:35	1.3	NE
12/06/2016	10:40	0.4	NNE	12/06/2016	17:10	1.3	N	12/06/2016	23:40	0.9	NE
12/06/2016	10:45	0.4	NNE	12/06/2016	17:15	0.4	SSW	12/06/2016	23:45	1.3	N
12/06/2016	10:50	0.9	WNW	12/06/2016	17:20	0.4	SSW	12/06/2016	23:50	0.4	SSW
12/06/2016	10:55	0.9	WSW	12/06/2016	17:25	0.4	NW	12/06/2016	23:55	0.4	SSW
12/06/2016	11:00	0.9	NNE	12/06/2016	17:30	0.4	NW	13/06/2016	00:00	0.4	NW
12/06/2016	11:05	0.9	NE	12/06/2016	17:35	0.4	WSW	13/06/2016	00:05	0.9	S
12/06/2016	11:10	1.3	NE	12/06/2016	17:40	0.4	WSW	13/06/2016	00:10	1.3	N
12/06/2016	11:15	1.3	N	12/06/2016	17:45	0.9	WSW	13/06/2016	00:15	1.3	ENE
12/06/2016	11:20	1.3	N	12/06/2016	17:50	0.9	NNE	13/06/2016	00:20	0.9	NE
12/06/2016	11:25	1.3	N	12/06/2016	17:55	1.8	WNW	13/06/2016	00:25	0.9	ENE
12/06/2016	11:30	1.3	NE	12/06/2016	18:00	1.8	W	13/06/2016	00:30	1.3	WNW
12/06/2016	11:35	0.9	NE	12/06/2016	18:05	1.3	NW	13/06/2016	00:35	0.9	WNW
12/06/2016	11:40	1.3	N	12/06/2016	18:10	1.3	N	13/06/2016	00:40	1.3	W
12/06/2016	11:45	0.4	SSW	12/06/2016	18:15	0.9	WNW	13/06/2016	00:45	1.3	NNW
12/06/2016	11:50	0.4	SSW	12/06/2016	18:20	0.9	NW	13/06/2016	00:50	2.2	NE
12/06/2016	11:55	0.4	NW	12/06/2016	18:25	0.9	NE	13/06/2016	00:55	1.8	WNW
12/06/2016	12:00	0.4	NW	12/06/2016	18:30	0.9	W	13/06/2016	01:00	0.9	NW
12/06/2016	12:05	0.4	WSW	12/06/2016	18:35	0.9	NW	13/06/2016	01:05	0.9	N
12/06/2016	12:10	0.4	WSW	12/06/2016	18:40	1.3	W	13/06/2016	01:10	1.3	NE
12/06/2016	12:15	0.9	WSW	12/06/2016	18:45	1.3	W	13/06/2016	01:15	1.8	NE
12/06/2016	12:20	0.9	NNE	12/06/2016	18:50	0.4	N	13/06/2016	01:20	0.4	NW
12/06/2016	12:25	0.9	NE	12/06/2016	18:55	0.4	N	13/06/2016	01:25	1.3	NE
12/06/2016	12:30	1.3	N	12/06/2016	19:00	0.4	SW	13/06/2016	01:30	0.9	SSW
12/06/2016	12:35	2.2	W	12/06/2016	19:05	0.4	SW	13/06/2016	01:35	0.9	SSW
12/06/2016	12:40	2.7	W	12/06/2016	19:10	0.4	SW	13/06/2016	01:40	0.9	SSW
12/06/2016	12:45	2.7	W	12/06/2016	19:15	0.4	SW	13/06/2016	01:45	0.4	SSW
12/06/2016	12:50	2.7	WSW	12/06/2016	19:20	0.4	WSW	13/06/2016	01:50	0.4	SSW
12/06/2016	12:55	3.6	WSW	12/06/2016	19:25	0.4	WSW	13/06/2016	01:55	0.4	SSW
12/06/2016	13:00	3.1	WSW	12/06/2016	19:30	0.9	WSW	13/06/2016	02:00	0.4	SSW
12/06/2016	13:05	3.1	WSW	12/06/2016	19:35	0.9	NNE	13/06/2016	02:05	1.3	SW
12/06/2016	13:10	2.2	SW	12/06/2016	19:40	0.9	NE	13/06/2016	02:10	1.8	SW
12/06/2016	13:15	2.7	SW	12/06/2016	19:45	1.3	NE	13/06/2016	02:15	1.3	SSW
12/06/2016	13:20	3.1	WSW	12/06/2016	19:50	1.3	N	13/06/2016	02:20	1.3	SSW
12/06/2016	13:25	3.1	SW	12/06/2016	19:55	1.3	N	13/06/2016	02:25	0.4	SSW
12/06/2016	13:30	3.1	WSW	12/06/2016	20:00	1.3	N	13/06/2016	02:30	0.9	S
12/06/2016	13:35	3.1	W	12/06/2016	20:05	1.3	NE	13/06/2016	02:35	1.3	N
12/06/2016	13:40	2.7	W	12/06/2016	20:10	0.9	NE	13/06/2016	02:40	1.3	ENE
12/06/2016	13:45	2.7	W	12/06/2016	20:15	1.3	N	13/06/2016	02:45	0.9	NE
12/06/2016	13:50	2.7	WSW	12/06/2016	20:20	1.8	WSW	13/06/2016	02:50	0.9	ENE
12/06/2016	13:55	2.7	WSW	12/06/2016	20:25	2.2	W	13/06/2016	02:55	1.3	NNW
12/06/2016	14:00	2.2	WSW	12/06/2016	20:30	0.9	WSW	13/06/2016	03:00	2.2	NE
12/06/2016	14:05	2.7	SW	12/06/2016	20:35	0.9	NNE	13/06/2016	03:05	0.9	S
12/06/2016	14:10	3.1	SW	12/06/2016	20:40	0.9	NE	13/06/2016	03:10	1.3	N
12/06/2016	14:15	3.1	WSW	12/06/2016	20:45	1.3	NE	13/06/2016	03:15	1.3	ENE
12/06/2016	14:20	2.7	WSW	12/06/2016	20:50	1.3	N	13/06/2016	03:20	0.9	NE
12/06/2016	14:25	0.9	WSW	12/06/2016	20:55	1.3	N	13/06/2016	03:25	0.9	ENE
12/06/2016	14:30	0.9	NNE	12/06/2016	21:00	1.3	N	13/06/2016	03:30	1.3	WNW
12/06/2016	14:35	0.9	NE	12/06/2016	21:05	1.3	NE	13/06/2016	03:35	0.9	WNW
12/06/2016	14:40	1.3	NE	12/06/2016	21:10	0.9	NE	13/06/2016	03:40	1.3	W
12/06/2016	14:45	1.3	N	12/06/2016	21:15	1.3	N	13/06/2016	03:45	1.3	NNW
12/06/2016	14:50	1.3	N	12/06/2016	21:20	0.4	SSW	13/06/2016	03:50	2.2	NE
12/06/2016	14:55	1.3	N	12/06/2016	21:25	0.4	SSW	13/06/2016	03:55	1.8	WNW
12/06/2016	15:00	1.3	NE	12/06/2016	21:30	0.4	NW	13/06/2016	04:00	0.9	NW
12/06/2016	15:05	0.9	NE	12/06/2016	21:35	0.4	NW	13/06/2016	04:05	0.9	N
12/06/2016	15:10	1.3	N	12/06/2016	21:40	0.4	WSW	13/06/2016	04:10	1.3	NE
12/06/2016	15:15	0.4	SSW	12/06/2016	21:45	0.4	WSW	13/06/2016	04:15	1.8	NE
12/06/2016	15:20	0.4	SSW	12/06/2016	21:50	0.9	WSW	13/06/2016	04:20	0.4	NW
12/06/2016	15:25	0.4	NW	12/06/2016	21:55	0.9	NNE	13/06/2016	04:25	1.3	NE
12/06/2016	15:30	0.4	NW	12/06/2016	22:00	2.7	W	13/06/2016	04:30	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
13/06/2016	04:35	2.2	SW	13/06/2016	11:05	0.9	N	13/06/2016	17:35	1.3	W
13/06/2016	04:40	1.3	N	13/06/2016	11:10	1.3	NE	13/06/2016	17:40	1.3	NNW
13/06/2016	04:45	1.3	NNW	13/06/2016	11:15	1.8	NE	13/06/2016	17:45	2.2	NE
13/06/2016	04:50	1.3	N	13/06/2016	11:20	0.4	NW	13/06/2016	17:50	1.8	WNW
13/06/2016	04:55	0.9	ENE	13/06/2016	11:25	1.3	NE	13/06/2016	17:55	2.2	WNW
13/06/2016	05:00	1.8	N	13/06/2016	11:30	0.9	SSW	13/06/2016	18:00	2.2	WNW
13/06/2016	05:05	2.7	N	13/06/2016	11:35	3.1	W	13/06/2016	18:05	2.2	W
13/06/2016	05:10	1.8	N	13/06/2016	11:40	2.2	W	13/06/2016	18:10	2.7	W
13/06/2016	05:15	1.8	N	13/06/2016	11:45	2.7	WNW	13/06/2016	18:15	2.7	W
13/06/2016	05:20	1.3	NE	13/06/2016	11:50	2.2	WNW	13/06/2016	18:20	2.2	W
13/06/2016	05:25	1.8	NE	13/06/2016	11:55	3.1	W	13/06/2016	18:25	3.6	WNW
13/06/2016	05:30	0.9	NNW	13/06/2016	12:00	0.9	S	13/06/2016	18:30	3.1	WNW
13/06/2016	05:35	0.9	N	13/06/2016	12:05	1.3	N	13/06/2016	18:35	2.7	WNW
13/06/2016	05:40	0.9	NW	13/06/2016	12:10	1.3	ENE	13/06/2016	18:40	3.1	W
13/06/2016	05:45	0.9	N	13/06/2016	12:15	0.9	NE	13/06/2016	18:45	3.1	W
13/06/2016	05:50	0.9	N	13/06/2016	12:20	0.9	ENE	13/06/2016	18:50	0.9	S
13/06/2016	05:55	1.8	N	13/06/2016	12:25	1.3	WNW	13/06/2016	18:55	1.3	N
13/06/2016	06:00	1.8	N	13/06/2016	12:30	0.9	WNW	13/06/2016	19:00	1.3	ENE
13/06/2016	06:05	2.7	W	13/06/2016	12:35	1.3	W	13/06/2016	19:05	0.9	NE
13/06/2016	06:10	0.9	SSW	13/06/2016	12:40	1.3	NNW	13/06/2016	19:10	0.9	ENE
13/06/2016	06:15	0.9	S	13/06/2016	12:45	2.2	NE	13/06/2016	19:15	1.3	WNW
13/06/2016	06:20	0.9	S	13/06/2016	12:50	0.9	S	13/06/2016	19:20	0.9	WNW
13/06/2016	06:25	2.2	SW	13/06/2016	12:55	1.3	N	13/06/2016	19:25	1.3	W
13/06/2016	06:30	1.3	NNW	13/06/2016	13:00	1.3	ENE	13/06/2016	19:30	1.3	NNW
13/06/2016	06:35	1.3	N	13/06/2016	13:05	0.9	NE	13/06/2016	19:35	2.2	NE
13/06/2016	06:40	0.9	ENE	13/06/2016	13:10	0.9	ENE	13/06/2016	19:40	1.8	WNW
13/06/2016	06:45	0.9	S	13/06/2016	13:15	1.3	WNW	13/06/2016	19:45	0.9	NW
13/06/2016	06:50	1.3	N	13/06/2016	13:20	0.9	WNW	13/06/2016	19:50	0.9	N
13/06/2016	06:55	1.3	ENE	13/06/2016	13:25	1.3	W	13/06/2016	19:55	1.3	NE
13/06/2016	07:00	0.9	NE	13/06/2016	13:30	1.3	NNW	13/06/2016	20:00	1.8	NE
13/06/2016	07:05	0.9	ENE	13/06/2016	13:35	2.2	NE	13/06/2016	20:05	0.4	NW
13/06/2016	07:10	1.3	WNW	13/06/2016	13:40	1.8	WNW	13/06/2016	20:10	1.3	NE
13/06/2016	07:15	0.9	WNW	13/06/2016	13:45	0.9	NW	13/06/2016	20:15	0.9	SSW
13/06/2016	07:20	0.9	S	13/06/2016	13:50	0.9	N	13/06/2016	20:20	0.9	SSW
13/06/2016	07:25	1.3	N	13/06/2016	13:55	1.3	NE	13/06/2016	20:25	0.4	S
13/06/2016	07:30	1.3	ENE	13/06/2016	14:00	1.8	NE	13/06/2016	20:30	0.4	S
13/06/2016	07:35	0.9	NE	13/06/2016	14:05	0.4	NW	13/06/2016	20:35	0.9	SSW
13/06/2016	07:40	0.9	ENE	13/06/2016	14:10	1.3	NE	13/06/2016	20:40	0.9	SSW
13/06/2016	07:45	1.3	WNW	13/06/2016	14:15	0.9	SSW	13/06/2016	20:45	0.9	SSW
13/06/2016	07:50	0.9	WNW	13/06/2016	14:20	4.5	W	13/06/2016	20:50	1.3	S
13/06/2016	07:55	1.3	W	13/06/2016	14:25	4.9	WNW	13/06/2016	20:55	0.9	S
13/06/2016	08:00	1.3	NNW	13/06/2016	14:30	0.9	S	13/06/2016	21:00	0.9	S
13/06/2016	08:05	2.2	NE	13/06/2016	14:35	1.3	N	13/06/2016	21:05	0.9	WSW
13/06/2016	08:10	1.8	WNW	13/06/2016	14:40	1.3	ENE	13/06/2016	21:10	0.9	SSW
13/06/2016	08:15	0.9	NW	13/06/2016	14:45	0.9	NE	13/06/2016	21:15	0.4	S
13/06/2016	08:20	0.9	N	13/06/2016	14:50	0.9	ENE	13/06/2016	21:20	0.4	SE
13/06/2016	08:25	1.3	NE	13/06/2016	14:55	1.3	WNW	13/06/2016	21:25	0.4	S
13/06/2016	08:30	1.8	NE	13/06/2016	15:00	0.9	WNW	13/06/2016	21:30	0.9	S
13/06/2016	08:35	0.4	NW	13/06/2016	15:05	1.3	W	13/06/2016	21:35	1.3	N
13/06/2016	08:40	1.3	NE	13/06/2016	15:10	1.3	NNW	13/06/2016	21:40	1.3	ENE
13/06/2016	08:45	0.9	SSW	13/06/2016	15:15	2.2	NE	13/06/2016	21:45	0.9	NE
13/06/2016	08:50	1.3	NNW	13/06/2016	15:20	1.8	WNW	13/06/2016	21:50	0.9	ENE
13/06/2016	08:55	0.9	NNW	13/06/2016	15:25	4	W	13/06/2016	21:55	1.3	WNW
13/06/2016	09:00	1.3	N	13/06/2016	15:30	4.9	W	13/06/2016	22:00	0.9	WNW
13/06/2016	09:05	0.4	NNW	13/06/2016	15:35	4.9	WNW	13/06/2016	22:05	0.9	S
13/06/2016	09:10	0.4	NNW	13/06/2016	15:40	4.5	WNW	13/06/2016	22:10	1.3	N
13/06/2016	09:15	0.9	WNW	13/06/2016	15:45	4.9	WNW	13/06/2016	22:15	1.3	ENE
13/06/2016	09:20	4.5	ENE	13/06/2016	15:50	0.9	S	13/06/2016	22:20	0.9	NE
13/06/2016	09:25	4.9	ENE	13/06/2016	15:55	1.3	N	13/06/2016	22:25	0.9	ENE
13/06/2016	09:30	5.4	ENE	13/06/2016	16:00	1.3	ENE	13/06/2016	22:30	1.3	WNW
13/06/2016	09:35	4	ENE	13/06/2016	16:05	0.9	NE	13/06/2016	22:35	0.9	WNW
13/06/2016	09:40	4.5	ENE	13/06/2016	16:10	0.9	ENE	13/06/2016	22:40	1.3	W
13/06/2016	09:45	0.9	S	13/06/2016	16:15	1.3	WNW	13/06/2016	22:45	1.3	NNW
13/06/2016	09:50	1.3	N	13/06/2016	16:20	0.9	WNW	13/06/2016	22:50	2.2	NE
13/06/2016	09:55	1.3	ENE	13/06/2016	16:25	1.3	W	13/06/2016	22:55	1.8	WNW
13/06/2016	10:00	0.9	NE	13/06/2016	16:30	1.3	NNW	13/06/2016	23:00	0.9	NW
13/06/2016	10:05	0.9	S	13/06/2016	16:35	2.2	NE	13/06/2016	23:05	0.9	N
13/06/2016	10:10	1.3	N	13/06/2016	16:40	1.8	WNW	13/06/2016	23:10	1.3	NE
13/06/2016	10:15	1.3	ENE	13/06/2016	16:45	0.9	NW	13/06/2016	23:15	1.8	NE
13/06/2016	10:20	0.9	NE	13/06/2016	16:50	0.9	N	13/06/2016	23:20	0.4	NW
13/06/2016	10:25	0.9	ENE	13/06/2016	16:55	1.3	NE	13/06/2016	23:25	1.3	NE
13/06/2016	10:30	1.3	WNW	13/06/2016	17:00	1.8	NE	13/06/2016	23:30	0.9	SSW
13/06/2016	10:35	0.9	WNW	13/06/2016	17:05	0.4	NW	13/06/2016	23:35	1.3	WNW
13/06/2016	10:40	1.3	W	13/06/2016	17:10	1.3	NE	13/06/2016	23:40	0.9	WNW
13/06/2016	10:45	1.3	NNW	13/06/2016	17:15	0.9	SSW	13/06/2016	23:45	1.3	W
13/06/2016	10:50	2.2	NE	13/06/2016	17:20	0.9	ENE	13/06/2016	23:50	1.3	NNW
13/06/2016	10:55	1.8	WNW	13/06/2016	17:25	1.3	WNW	13/06/2016	23:55	2.2	NE
13/06/2016	11:00	0.9	NW	13/06/2016	17:30	0.9	WNW	14/06/2016	00:00	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
14/06/2016	00:05	3.1	E	14/06/2016	06:35	1.3	E	14/06/2016	13:05	0.4	E
14/06/2016	00:10	3.1	E	14/06/2016	06:40	1.8	E	14/06/2016	13:10	0.9	E
14/06/2016	00:15	3.1	E	14/06/2016	06:45	0.4	E	14/06/2016	13:15	0.4	E
14/06/2016	00:20	2.2	ENE	14/06/2016	06:50	0.4	E	14/06/2016	13:20	0.9	E
14/06/2016	00:25	2.2	ENE	14/06/2016	06:55	0.9	E	14/06/2016	13:25	1.3	E
14/06/2016	00:30	2.2	ENE	14/06/2016	07:00	0.4	E	14/06/2016	13:30	1.3	ENE
14/06/2016	00:35	2.2	ENE	14/06/2016	07:05	0.9	E	14/06/2016	13:35	0.9	ESE
14/06/2016	00:40	1.8	E	14/06/2016	07:10	1.3	E	14/06/2016	13:40	0.9	ESE
14/06/2016	00:45	0.4	E	14/06/2016	07:15	1.3	ENE	14/06/2016	13:45	1.3	E
14/06/2016	00:50	0.4	E	14/06/2016	07:20	0.9	ESE	14/06/2016	13:50	0.9	ESE
14/06/2016	00:55	0.9	E	14/06/2016	07:25	0.9	ESE	14/06/2016	13:55	0.4	NNE
14/06/2016	01:00	0.4	E	14/06/2016	07:30	1.3	E	14/06/2016	14:00	0.4	NNE
14/06/2016	01:05	0.9	E	14/06/2016	07:35	0.9	ESE	14/06/2016	14:05	1.3	E
14/06/2016	01:10	1.3	E	14/06/2016	07:40	0.4	NNE	14/06/2016	14:10	2.2	E
14/06/2016	01:15	1.3	ENE	14/06/2016	07:45	0.4	NNE	14/06/2016	14:15	2.2	NE
14/06/2016	01:20	0.9	ESE	14/06/2016	07:50	1.3	E	14/06/2016	14:20	1.8	ENE
14/06/2016	01:25	0.9	ESE	14/06/2016	07:55	2.2	E	14/06/2016	14:25	4	W
14/06/2016	01:30	1.3	E	14/06/2016	08:00	2.2	NE	14/06/2016	14:30	1.8	N
14/06/2016	01:35	0.9	ESE	14/06/2016	08:05	1.8	ENE	14/06/2016	14:35	1.8	N
14/06/2016	01:40	0.4	NNE	14/06/2016	08:10	2.2	NE	14/06/2016	14:40	1.3	N
14/06/2016	01:45	0.4	NNE	14/06/2016	08:15	2.2	ENE	14/06/2016	14:45	1.3	NNE
14/06/2016	01:50	1.3	E	14/06/2016	08:20	2.7	NE	14/06/2016	14:50	1.3	N
14/06/2016	01:55	2.2	E	14/06/2016	08:25	2.7	NE	14/06/2016	14:55	0.4	N
14/06/2016	02:00	2.2	NE	14/06/2016	08:30	2.7	NE	14/06/2016	15:00	0.4	ESE
14/06/2016	02:05	1.8	ENE	14/06/2016	08:35	3.1	NE	14/06/2016	15:05	0.9	N
14/06/2016	02:10	2.2	E	14/06/2016	08:40	2.7	NE	14/06/2016	15:10	0.9	N
14/06/2016	02:15	2.2	ENE	14/06/2016	08:45	3.1	NE	14/06/2016	15:15	0.4	NW
14/06/2016	02:20	0.9	ESE	14/06/2016	08:50	2.7	NE	14/06/2016	15:20	0.9	ENE
14/06/2016	02:25	1.8	E	14/06/2016	08:55	3.1	NE	14/06/2016	15:25	1.3	NNW
14/06/2016	02:30	1.3	ESE	14/06/2016	09:00	2.2	NE	14/06/2016	15:30	0.9	NNW
14/06/2016	02:35	2.2	E	14/06/2016	09:05	3.1	NE	14/06/2016	15:35	0.9	N
14/06/2016	02:40	1.3	E	14/06/2016	09:10	2.7	NE	14/06/2016	15:40	0.4	N
14/06/2016	02:45	1.3	E	14/06/2016	09:15	2.7	NE	14/06/2016	15:45	2.7	W
14/06/2016	02:50	2.2	ENE	14/06/2016	09:20	2.2	ENE	14/06/2016	15:50	4.9	WSW
14/06/2016	02:55	1.8	E	14/06/2016	09:25	1.8	E	14/06/2016	15:55	1.8	E
14/06/2016	03:00	1.8	E	14/06/2016	09:30	0.4	E	14/06/2016	16:00	0.4	E
14/06/2016	03:05	0.4	E	14/06/2016	09:35	0.4	E	14/06/2016	16:05	0.4	E
14/06/2016	03:10	0.4	E	14/06/2016	09:40	1.8	E	14/06/2016	16:10	0.9	E
14/06/2016	03:15	0.9	E	14/06/2016	09:45	0.4	E	14/06/2016	16:15	0.4	E
14/06/2016	03:20	0.4	E	14/06/2016	09:50	0.4	E	14/06/2016	16:20	0.9	E
14/06/2016	03:25	0.9	E	14/06/2016	09:55	0.9	E	14/06/2016	16:25	1.3	E
14/06/2016	03:30	1.3	E	14/06/2016	10:00	0.4	E	14/06/2016	16:30	1.3	ENE
14/06/2016	03:35	1.3	ENE	14/06/2016	10:05	0.9	E	14/06/2016	16:35	0.9	ESE
14/06/2016	03:40	1.8	E	14/06/2016	10:10	1.3	E	14/06/2016	16:40	0.9	ESE
14/06/2016	03:45	0.4	E	14/06/2016	10:15	1.3	ENE	14/06/2016	16:45	1.3	E
14/06/2016	03:50	0.4	E	14/06/2016	10:20	0.9	ESE	14/06/2016	16:50	0.9	ESE
14/06/2016	03:55	0.9	E	14/06/2016	10:25	0.9	ESE	14/06/2016	16:55	0.4	NNE
14/06/2016	04:00	0.4	E	14/06/2016	10:30	1.3	E	14/06/2016	17:00	0.4	NNE
14/06/2016	04:05	0.9	E	14/06/2016	10:35	0.9	ESE	14/06/2016	17:05	1.3	E
14/06/2016	04:10	1.3	E	14/06/2016	10:40	0.4	NNE	14/06/2016	17:10	2.2	E
14/06/2016	04:15	1.3	ENE	14/06/2016	10:45	0.4	NNE	14/06/2016	17:15	2.2	NE
14/06/2016	04:20	0.9	ESE	14/06/2016	10:50	1.3	E	14/06/2016	17:20	1.8	ENE
14/06/2016	04:25	0.9	ESE	14/06/2016	10:55	2.2	E	14/06/2016	17:25	0.4	NNE
14/06/2016	04:30	1.3	E	14/06/2016	11:00	2.2	NE	14/06/2016	17:30	0.4	NNE
14/06/2016	04:35	0.9	ESE	14/06/2016	11:05	1.8	ENE	14/06/2016	17:35	1.3	E
14/06/2016	04:40	0.4	NNE	14/06/2016	11:10	1.3	N	14/06/2016	17:40	1.3	SW
14/06/2016	04:45	0.4	NNE	14/06/2016	11:15	1.3	NNE	14/06/2016	17:45	2.2	WSW
14/06/2016	04:50	1.3	E	14/06/2016	11:20	1.3	N	14/06/2016	17:50	2.2	SW
14/06/2016	04:55	2.2	E	14/06/2016	11:25	0.9	N	14/06/2016	17:55	1.3	WSW
14/06/2016	05:00	2.2	NE	14/06/2016	11:30	0.9	NW	14/06/2016	18:00	0.9	WNW
14/06/2016	05:05	1.8	ENE	14/06/2016	11:35	0.4	N	14/06/2016	18:05	0.9	SE
14/06/2016	05:10	0.4	SSW	14/06/2016	11:40	0.4	N	14/06/2016	18:10	0.9	SSE
14/06/2016	05:15	1.8	ENE	14/06/2016	11:45	0.4	N	14/06/2016	18:15	0.9	SSE
14/06/2016	05:20	1.8	ENE	14/06/2016	11:50	0.4	N	14/06/2016	18:20	1.3	NE
14/06/2016	05:25	0.4	ENE	14/06/2016	11:55	0.4	ESE	14/06/2016	18:25	0.9	NNE
14/06/2016	05:30	0.4	E	14/06/2016	12:00	0.9	N	14/06/2016	18:30	0.4	NNE
14/06/2016	05:35	0.4	E	14/06/2016	12:05	0.9	N	14/06/2016	18:35	0.4	NNE
14/06/2016	05:40	0.4	E	14/06/2016	12:10	0.4	NW	14/06/2016	18:40	2.2	ENE
14/06/2016	05:45	1.8	E	14/06/2016	12:15	0.9	ENE	14/06/2016	18:45	1.8	E
14/06/2016	05:50	0.4	E	14/06/2016	12:20	1.3	NNW	14/06/2016	18:50	0.4	E
14/06/2016	05:55	0.4	E	14/06/2016	12:25	1.3	NNW	14/06/2016	18:55	0.4	E
14/06/2016	06:00	0.9	E	14/06/2016	12:30	1.3	NW	14/06/2016	19:00	0.9	E
14/06/2016	06:05	0.4	E	14/06/2016	12:35	2.2	ENE	14/06/2016	19:05	0.4	E
14/06/2016	06:10	0.9	E	14/06/2016	12:40	1.8	E	14/06/2016	19:10	0.9	E
14/06/2016	06:15	1.3	E	14/06/2016	12:45	0.4	E	14/06/2016	19:15	1.8	E
14/06/2016	06:20	1.3	ENE	14/06/2016	12:50	0.4	E	14/06/2016	19:20	0.4	E
14/06/2016	06:25	0.9	ESE	14/06/2016	12:55	1.8	E	14/06/2016	19:25	0.4	E
14/06/2016	06:30	0.9	ESE	14/06/2016	13:00	0.4	E	14/06/2016	19:30	0.9	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
14/06/2016	19:35	0.4	E	15/06/2016	02:05	0.4	SSW	15/06/2016	08:35	0.4	SSW
14/06/2016	19:40	0.9	E	15/06/2016	02:10	0.4	SSW	15/06/2016	08:40	0.9	ESE
14/06/2016	19:45	1.3	E	15/06/2016	02:15	0.9	SSW	15/06/2016	08:45	1.3	WSW
14/06/2016	19:50	1.3	ENE	15/06/2016	02:20	0.4	SE	15/06/2016	08:50	2.7	WSW
14/06/2016	19:55	0.9	ESE	15/06/2016	02:25	0.4	SE	15/06/2016	08:55	2.2	W
14/06/2016	20:00	0.9	ESE	15/06/2016	02:30	0.4	SE	15/06/2016	09:00	1.3	NNE
14/06/2016	20:05	1.3	E	15/06/2016	02:35	0.4	SE	15/06/2016	09:05	0.4	NE
14/06/2016	20:10	0.9	ESE	15/06/2016	02:40	0.4	SE	15/06/2016	09:10	1.3	NE
14/06/2016	20:15	0.4	NNE	15/06/2016	02:45	0.4	SE	15/06/2016	09:15	1.3	NE
14/06/2016	20:20	0.4	NNE	15/06/2016	02:50	0.4	SSW	15/06/2016	09:20	1.3	NE
14/06/2016	20:25	1.3	E	15/06/2016	02:55	0.4	SSW	15/06/2016	09:25	1.8	NE
14/06/2016	20:30	2.2	E	15/06/2016	03:00	0.4	SE	15/06/2016	09:30	0.4	SE
14/06/2016	20:35	2.2	NE	15/06/2016	03:05	1.8	SSW	15/06/2016	09:35	1.8	SSW
14/06/2016	20:40	1.8	ENE	15/06/2016	03:10	1.3	SSW	15/06/2016	09:40	1.3	SSW
14/06/2016	20:45	0.4	ESE	15/06/2016	03:15	0.9	SSE	15/06/2016	09:45	0.9	SSE
14/06/2016	20:50	0.9	ESE	15/06/2016	03:20	0.9	S	15/06/2016	09:50	0.9	S
14/06/2016	20:55	0.9	ESE	15/06/2016	03:25	0.4	SSW	15/06/2016	09:55	0.4	SSW
14/06/2016	21:00	2.2	WSW	15/06/2016	03:30	0.9	SSW	15/06/2016	10:00	0.9	SSW
14/06/2016	21:05	2.7	WSW	15/06/2016	03:35	0.9	SSW	15/06/2016	10:05	0.9	SSW
14/06/2016	21:10	2.2	WSW	15/06/2016	03:40	0.4	SSW	15/06/2016	10:10	0.4	SSW
14/06/2016	21:15	2.2	WSW	15/06/2016	03:45	0.4	SSW	15/06/2016	10:15	0.4	SSW
14/06/2016	21:20	0.9	E	15/06/2016	03:50	0.9	ESE	15/06/2016	10:20	0.9	ESE
14/06/2016	21:25	0.4	E	15/06/2016	03:55	1.3	WSW	15/06/2016	10:25	1.3	WSW
14/06/2016	21:30	1.8	W	15/06/2016	04:00	2.7	WSW	15/06/2016	10:30	2.7	WSW
14/06/2016	21:35	1.8	W	15/06/2016	04:05	2.2	W	15/06/2016	10:35	2.2	W
14/06/2016	21:40	1.8	WSW	15/06/2016	04:10	0.4	SSW	15/06/2016	10:40	0.4	SSW
14/06/2016	21:45	1.8	WSW	15/06/2016	04:15	0.4	SSW	15/06/2016	10:45	0.4	SSW
14/06/2016	21:50	1.3	SW	15/06/2016	04:20	0.4	SSW	15/06/2016	10:50	0.4	SSW
14/06/2016	21:55	2.2	WSW	15/06/2016	04:25	0.4	SSW	15/06/2016	10:55	0.4	SSW
14/06/2016	22:00	1.8	E	15/06/2016	04:30	0.4	SE	15/06/2016	11:00	0.4	ESE
14/06/2016	22:05	0.4	E	15/06/2016	04:35	0.4	SE	15/06/2016	11:05	0.4	WSW
14/06/2016	22:10	0.4	E	15/06/2016	04:40	0.4	SE	15/06/2016	11:10	0.4	WSW
14/06/2016	22:15	0.9	E	15/06/2016	04:45	0.4	SSW	15/06/2016	11:15	0.4	WSW
14/06/2016	22:20	0.4	E	15/06/2016	04:50	0.4	SSW	15/06/2016	11:20	1.3	SW
14/06/2016	22:25	0.9	E	15/06/2016	04:55	0.4	SSW	15/06/2016	11:25	1.8	NNW
14/06/2016	22:30	1.3	E	15/06/2016	05:00	0.4	SSW	15/06/2016	11:30	1.8	NE
14/06/2016	22:35	1.3	ENE	15/06/2016	05:05	0.4	SSW	15/06/2016	11:35	1.8	NNE
14/06/2016	22:40	0.9	ESE	15/06/2016	05:10	0.4	SE	15/06/2016	11:40	1.8	NNE
14/06/2016	22:45	0.9	ESE	15/06/2016	05:15	1.8	SSW	15/06/2016	11:45	1.8	NNE
14/06/2016	22:50	1.3	E	15/06/2016	05:20	1.3	SSW	15/06/2016	11:50	1.8	NNE
14/06/2016	22:55	0.9	ESE	15/06/2016	05:25	0.9	SSE	15/06/2016	11:55	0.4	SE
14/06/2016	23:00	0.4	NNE	15/06/2016	05:30	0.9	S	15/06/2016	12:00	1.8	SSW
14/06/2016	23:05	0.4	NNE	15/06/2016	05:35	0.4	SSW	15/06/2016	12:05	1.3	SSW
14/06/2016	23:10	1.3	E	15/06/2016	05:40	0.9	SSW	15/06/2016	12:10	0.9	SSE
14/06/2016	23:15	2.2	E	15/06/2016	05:45	0.9	SSW	15/06/2016	12:15	0.9	S
14/06/2016	23:20	2.2	NE	15/06/2016	05:50	0.4	SSW	15/06/2016	12:20	0.4	SSW
14/06/2016	23:25	1.8	ENE	15/06/2016	05:55	0.4	SSW	15/06/2016	12:25	0.9	SSW
14/06/2016	23:30	1.8	ENE	15/06/2016	06:00	0.4	SE	15/06/2016	12:30	0.9	SSW
14/06/2016	23:35	3.1	ENE	15/06/2016	06:05	1.8	SSW	15/06/2016	12:35	0.4	SSW
14/06/2016	23:40	1.3	ENE	15/06/2016	06:10	1.3	SSW	15/06/2016	12:40	0.4	SSW
14/06/2016	23:45	1.3	ENE	15/06/2016	06:15	0.9	SSE	15/06/2016	12:45	0.4	SE
14/06/2016	23:50	0.4	ESE	15/06/2016	06:20	0.9	S	15/06/2016	12:50	1.8	SSW
14/06/2016	23:55	0.9	ESE	15/06/2016	06:25	0.4	SSW	15/06/2016	12:55	1.3	SSW
15/06/2016	00:00	1.8	E	15/06/2016	06:30	0.9	SSW	15/06/2016	13:00	0.9	SSE
15/06/2016	00:05	0.4	SSW	15/06/2016	06:35	0.9	SSW	15/06/2016	13:05	0.9	S
15/06/2016	00:10	0.4	SSW	15/06/2016	06:40	0.4	SSW	15/06/2016	13:10	0.4	SSW
15/06/2016	00:15	0.4	SSW	15/06/2016	06:45	0.4	SSW	15/06/2016	13:15	0.9	SSW
15/06/2016	00:20	0.4	SSW	15/06/2016	06:50	0.9	ESE	15/06/2016	13:20	0.9	SSW
15/06/2016	00:25	0.4	SSW	15/06/2016	06:55	1.3	WSW	15/06/2016	13:25	0.4	SSW
15/06/2016	00:30	0.9	SSW	15/06/2016	07:00	2.7	WSW	15/06/2016	13:30	0.4	SSW
15/06/2016	00:35	0.4	SSE	15/06/2016	07:05	2.2	W	15/06/2016	13:35	0.9	ESE
15/06/2016	00:40	0.9	SSE	15/06/2016	07:10	0.4	SSW	15/06/2016	13:40	1.3	WSW
15/06/2016	00:45	0.4	SE	15/06/2016	07:15	0.4	SSW	15/06/2016	13:45	2.7	WSW
15/06/2016	00:50	1.8	SSW	15/06/2016	07:20	0.4	SSW	15/06/2016	13:50	2.2	W
15/06/2016	00:55	1.3	SSW	15/06/2016	07:25	0.4	SSW	15/06/2016	13:55	0.4	SSW
15/06/2016	01:00	0.9	SSE	15/06/2016	07:30	0.4	E	15/06/2016	14:00	0.4	SSW
15/06/2016	01:05	0.9	S	15/06/2016	07:35	0.9	ESE	15/06/2016	14:05	0.4	SSW
15/06/2016	01:10	0.4	SSW	15/06/2016	07:40	1.3	SSW	15/06/2016	14:10	0.4	SSW
15/06/2016	01:15	0.9	SSW	15/06/2016	07:45	1.3	SSW	15/06/2016	14:15	2.2	N
15/06/2016	01:20	0.9	SSW	15/06/2016	07:50	0.4	SE	15/06/2016	14:20	2.7	W
15/06/2016	01:25	0.4	SSW	15/06/2016	07:55	1.8	SSW	15/06/2016	14:25	3.6	W
15/06/2016	01:30	0.4	SSW	15/06/2016	08:00	1.3	SSW	15/06/2016	14:30	1.3	WSW
15/06/2016	01:35	0.9	ESE	15/06/2016	08:05	0.9	SSE	15/06/2016	14:35	2.2	W
15/06/2016	01:40	1.3	WSW	15/06/2016	08:10	0.9	S	15/06/2016	14:40	1.8	NNE
15/06/2016	01:45	2.7	WSW	15/06/2016	08:15	0.4	SSW	15/06/2016	14:45	1.8	NNE
15/06/2016	01:50	2.2	W	15/06/2016	08:20	0.9	SSW	15/06/2016	14:50	1.8	NNE
15/06/2016	01:55	0.4	SSW	15/06/2016	08:25	0.9	SSW	15/06/2016	14:55	2.2	N
15/06/2016	02:00	0.4	SSW	15/06/2016	08:30	0.4	SSW	15/06/2016	15:00	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
15/06/2016	15:05	0.4	SE	15/06/2016	21:35	0.4	E	16/06/2016	04:05	2.2	W
15/06/2016	15:10	1.8	SSW	15/06/2016	21:40	0.4	E	16/06/2016	04:10	3.1	WSW
15/06/2016	15:15	1.3	SSW	15/06/2016	21:45	1.3	ESE	16/06/2016	04:15	3.1	WSW
15/06/2016	15:20	0.9	SSE	15/06/2016	21:50	0.4	SE	16/06/2016	04:20	1.3	SSW
15/06/2016	15:25	0.9	S	15/06/2016	21:55	1.8	SSW	16/06/2016	04:25	2.7	W
15/06/2016	15:30	0.4	SSW	15/06/2016	22:00	1.3	SSW	16/06/2016	04:30	1.8	NNE
15/06/2016	15:35	0.9	SSW	15/06/2016	22:05	0.9	SSE	16/06/2016	04:35	2.7	ENE
15/06/2016	15:40	0.9	SSW	15/06/2016	22:10	0.9	S	16/06/2016	04:40	4	NE
15/06/2016	15:45	0.4	SSW	15/06/2016	22:15	0.4	SSW	16/06/2016	04:45	3.1	NE
15/06/2016	15:50	0.4	SSW	15/06/2016	22:20	0.9	SSW	16/06/2016	04:50	4.5	ENE
15/06/2016	15:55	0.9	ESE	15/06/2016	22:25	0.9	SSW	16/06/2016	04:55	4.5	NE
15/06/2016	16:00	1.3	WSW	15/06/2016	22:30	0.4	SSW	16/06/2016	05:00	4.5	ENE
15/06/2016	16:05	2.7	WSW	15/06/2016	22:35	0.4	SSW	16/06/2016	05:05	3.6	NE
15/06/2016	16:10	2.2	W	15/06/2016	22:40	0.9	ESE	16/06/2016	05:10	4	NE
15/06/2016	16:15	0.4	SSW	15/06/2016	22:45	1.3	WSW	16/06/2016	05:15	3.6	NE
15/06/2016	16:20	0.4	SSW	15/06/2016	22:50	2.7	WSW	16/06/2016	05:20	4	NE
15/06/2016	16:25	0.4	SSW	15/06/2016	22:55	2.2	W	16/06/2016	05:25	4	NE
15/06/2016	16:30	0.4	SSW	15/06/2016	23:00	0.4	SSW	16/06/2016	05:30	4	NE
15/06/2016	16:35	2.7	W	15/06/2016	23:05	0.4	SSW	16/06/2016	05:35	4	NE
15/06/2016	16:40	2.7	WNW	15/06/2016	23:10	0.4	SSW	16/06/2016	05:40	3.1	ENE
15/06/2016	16:45	1.8	NW	15/06/2016	23:15	0.4	SSW	16/06/2016	05:45	2.2	WNW
15/06/2016	16:50	1.8	N	15/06/2016	23:20	0.4	SSW	16/06/2016	05:50	1.8	NNW
15/06/2016	16:55	2.7	WNW	15/06/2016	23:25	0.9	ESE	16/06/2016	05:55	1.8	S
15/06/2016	17:00	2.7	WNW	15/06/2016	23:30	1.3	WSW	16/06/2016	06:00	2.7	WSW
15/06/2016	17:05	1.8	WNW	15/06/2016	23:35	2.7	WSW	16/06/2016	06:05	1.8	W
15/06/2016	17:10	2.7	W	15/06/2016	23:40	2.2	W	16/06/2016	06:10	2.2	WSW
15/06/2016	17:15	1.8	W	15/06/2016	23:45	1.3	ENE	16/06/2016	06:15	3.6	NW
15/06/2016	17:20	1.8	NNW	15/06/2016	23:50	0.9	E	16/06/2016	06:20	1.8	SSW
15/06/2016	17:25	1.8	N	15/06/2016	23:55	1.8	ESE	16/06/2016	06:25	2.7	ENE
15/06/2016	17:30	1.8	W	16/06/2016	00:00	0.9	SE	16/06/2016	06:30	4.9	ENE
15/06/2016	17:35	1.8	N	16/06/2016	00:05	4.5	ENE	16/06/2016	06:35	2.2	ENE
15/06/2016	17:40	1.3	N	16/06/2016	00:10	4.9	E	16/06/2016	06:40	2.2	WNW
15/06/2016	17:45	1.3	ENE	16/06/2016	00:15	4.9	ENE	16/06/2016	06:45	2.2	NW
15/06/2016	17:50	2.2	WNW	16/06/2016	00:20	4	ENE	16/06/2016	06:50	1.3	ENE
15/06/2016	17:55	1.3	WSW	16/06/2016	00:25	4	ENE	16/06/2016	06:55	1.3	SSW
15/06/2016	18:00	1.8	NE	16/06/2016	00:30	4.9	E	16/06/2016	07:00	2.7	W
15/06/2016	18:05	1.8	N	16/06/2016	00:35	5.8	ENE	16/06/2016	07:05	1.3	SSW
15/06/2016	18:10	0.9	N	16/06/2016	00:40	5.4	E	16/06/2016	07:10	2.7	W
15/06/2016	18:15	1.8	W	16/06/2016	00:45	2.2	WNW	16/06/2016	07:15	1.8	NNE
15/06/2016	18:20	0.4	SE	16/06/2016	00:50	1.8	NNW	16/06/2016	07:20	2.7	ENE
15/06/2016	18:25	1.8	SSW	16/06/2016	00:55	1.8	S	16/06/2016	07:25	4	NE
15/06/2016	18:30	1.3	SSW	16/06/2016	01:00	2.7	WSW	16/06/2016	07:30	3.1	NE
15/06/2016	18:35	0.9	SSE	16/06/2016	01:05	1.8	W	16/06/2016	07:35	4.5	ENE
15/06/2016	18:40	0.9	S	16/06/2016	01:10	2.2	WSW	16/06/2016	07:40	4.5	NE
15/06/2016	18:45	0.4	SSW	16/06/2016	01:15	3.6	NW	16/06/2016	07:45	4.5	ENE
15/06/2016	18:50	0.9	SSW	16/06/2016	01:20	1.8	SSW	16/06/2016	07:50	3.6	NE
15/06/2016	18:55	0.9	SSW	16/06/2016	01:25	2.7	ENE	16/06/2016	07:55	4	NE
15/06/2016	19:00	0.4	SSW	16/06/2016	01:30	4.9	ENE	16/06/2016	08:00	3.6	NE
15/06/2016	19:05	0.4	SSW	16/06/2016	01:35	2.2	ENE	16/06/2016	08:05	4	NE
15/06/2016	19:10	0.9	ESE	16/06/2016	01:40	2.2	WNW	16/06/2016	08:10	4	NE
15/06/2016	19:15	1.3	WSW	16/06/2016	01:45	2.2	NW	16/06/2016	08:15	4	NE
15/06/2016	19:20	2.7	WSW	16/06/2016	01:50	1.3	ENE	16/06/2016	08:20	4	NE
15/06/2016	19:25	2.2	W	16/06/2016	01:55	4.9	ENE	16/06/2016	08:25	1.8	W
15/06/2016	19:30	0.4	SSW	16/06/2016	02:00	4	ENE	16/06/2016	08:30	2.2	W
15/06/2016	19:35	0.4	SSW	16/06/2016	02:05	4	ENE	16/06/2016	08:35	2.2	NW
15/06/2016	19:40	0.4	SSW	16/06/2016	02:10	4.9	E	16/06/2016	08:40	1.8	W
15/06/2016	19:45	0.4	SSW	16/06/2016	02:15	5.8	ENE	16/06/2016	08:45	2.2	WSW
15/06/2016	19:50	2.7	WSW	16/06/2016	02:20	5.4	E	16/06/2016	08:50	3.6	NW
15/06/2016	19:55	2.2	W	16/06/2016	02:25	5.8	ENE	16/06/2016	08:55	1.8	SSW
15/06/2016	20:00	1.3	N	16/06/2016	02:30	6.7	ENE	16/06/2016	09:00	3.1	WSW
15/06/2016	20:05	1.3	ENE	16/06/2016	02:35	5.4	E	16/06/2016	09:05	3.1	WSW
15/06/2016	20:10	2.2	WNW	16/06/2016	02:40	4.5	E	16/06/2016	09:10	1.3	SSW
15/06/2016	20:15	1.3	WSW	16/06/2016	02:45	4.9	E	16/06/2016	09:15	4.5	ENE
15/06/2016	20:20	1.8	NE	16/06/2016	02:50	5.4	ENE	16/06/2016	09:20	4.5	NE
15/06/2016	20:25	1.3	WSW	16/06/2016	02:55	2.2	WNW	16/06/2016	09:25	4.5	ENE
15/06/2016	20:30	1.8	SW	16/06/2016	03:00	1.8	NNW	16/06/2016	09:30	2.2	WNW
15/06/2016	20:35	0.9	WSW	16/06/2016	03:05	1.8	S	16/06/2016	09:35	1.8	NNW
15/06/2016	20:40	1.3	WSW	16/06/2016	03:10	2.7	WSW	16/06/2016	09:40	1.8	S
15/06/2016	20:45	1.3	E	16/06/2016	03:15	1.8	W	16/06/2016	09:45	2.7	WSW
15/06/2016	20:50	1.3	E	16/06/2016	03:20	2.2	WSW	16/06/2016	09:50	1.8	W
15/06/2016	20:55	0.4	E	16/06/2016	03:25	3.6	NW	16/06/2016	09:55	2.2	WSW
15/06/2016	21:00	0.9	E	16/06/2016	03:30	1.8	SSW	16/06/2016	10:00	3.6	NW
15/06/2016	21:05	0.9	SSW	16/06/2016	03:35	2.7	ENE	16/06/2016	10:05	1.8	SSW
15/06/2016	21:10	0.9	SSW	16/06/2016	03:40	4.9	ENE	16/06/2016	10:10	2.7	ENE
15/06/2016	21:15	1.3	E	16/06/2016	03:45	2.2	ENE	16/06/2016	10:15	4.9	ENE
15/06/2016	21:20	0.9	E	16/06/2016	03:50	2.2	WNW	16/06/2016	10:20	1.3	SSW
15/06/2016	21:25	1.3	E	16/06/2016	03:55	2.2	NW	16/06/2016	10:25	2.7	W
15/06/2016	21:30	0.4	E	16/06/2016	04:00	1.3	ENE	16/06/2016	10:30	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
16/06/2016	10:35	2.7	ENE	16/06/2016	17:05	4.5	ENE	16/06/2016	23:35	3.6	NW
16/06/2016	10:40	4	NE	16/06/2016	17:10	4.5	ENE	16/06/2016	23:40	1.8	SSW
16/06/2016	10:45	3.1	NE	16/06/2016	17:15	4	ENE	16/06/2016	23:45	2.7	ENE
16/06/2016	10:50	4.5	ENE	16/06/2016	17:20	2.7	ENE	16/06/2016	23:50	4.9	ENE
16/06/2016	10:55	4.5	NE	16/06/2016	17:25	4	ENE	16/06/2016	23:55	2.2	ENE
16/06/2016	11:00	4.5	ENE	16/06/2016	17:30	3.1	ENE	17/06/2016	00:00	2.2	WNW
16/06/2016	11:05	3.6	NE	16/06/2016	17:35	4.9	ENE	17/06/2016	00:05	0.4	ESE
16/06/2016	11:10	4	NE	16/06/2016	17:40	4.9	E	17/06/2016	00:10	0.9	ESE
16/06/2016	11:15	3.6	NE	16/06/2016	17:45	4.5	ENE	17/06/2016	00:15	0.4	ESE
16/06/2016	11:20	4	NE	16/06/2016	17:50	5.4	ENE	17/06/2016	00:20	1.3	SE
16/06/2016	11:25	4	NE	16/06/2016	17:55	0.9	NNE	17/06/2016	00:25	0.4	ESE
16/06/2016	11:30	4	NE	16/06/2016	18:00	2.7	ENE	17/06/2016	00:30	0.9	ESE
16/06/2016	11:35	4	NE	16/06/2016	18:05	3.6	ENE	17/06/2016	00:35	0.9	SE
16/06/2016	11:40	1.3	SSW	16/06/2016	18:10	4	ENE	17/06/2016	00:40	1.3	ESE
16/06/2016	11:45	4.5	ENE	16/06/2016	18:15	4.5	ENE	17/06/2016	00:45	0.9	E
16/06/2016	11:50	3.1	ENE	16/06/2016	18:20	4	NE	17/06/2016	00:50	0.9	WSW
16/06/2016	11:55	2.7	ENE	16/06/2016	18:25	2.7	ENE	17/06/2016	00:55	0.9	WSW
16/06/2016	12:00	2.7	ENE	16/06/2016	18:30	1.3	SSW	17/06/2016	01:00	0.9	WSW
16/06/2016	12:05	2.7	ENE	16/06/2016	18:35	2.7	W	17/06/2016	01:05	0.9	WSW
16/06/2016	12:10	3.1	ENE	16/06/2016	18:40	1.8	NNE	17/06/2016	01:10	0.9	WSW
16/06/2016	12:15	4.5	ENE	16/06/2016	18:45	2.7	ENE	17/06/2016	01:15	0.9	WSW
16/06/2016	12:20	4.9	ENE	16/06/2016	18:50	4	NE	17/06/2016	01:20	0.9	WSW
16/06/2016	12:25	4.9	ENE	16/06/2016	18:55	3.1	NE	17/06/2016	01:25	0.9	ESE
16/06/2016	12:30	2.2	WNW	16/06/2016	19:00	4.5	ENE	17/06/2016	01:30	1.8	E
16/06/2016	12:35	1.8	NNW	16/06/2016	19:05	4.5	NE	17/06/2016	01:35	2.2	E
16/06/2016	12:40	1.8	S	16/06/2016	19:10	4.5	ENE	17/06/2016	01:40	2.2	ESE
16/06/2016	12:45	2.7	WSW	16/06/2016	19:15	3.6	NE	17/06/2016	01:45	1.8	E
16/06/2016	12:50	1.8	W	16/06/2016	19:20	4	NE	17/06/2016	01:50	1.3	E
16/06/2016	12:55	2.2	WSW	16/06/2016	19:25	3.6	NE	17/06/2016	01:55	1.3	E
16/06/2016	13:00	3.6	NW	16/06/2016	19:30	4	NE	17/06/2016	02:00	0.9	SE
16/06/2016	13:05	1.8	SSW	16/06/2016	19:35	4	NE	17/06/2016	02:05	0.4	ESE
16/06/2016	13:10	2.7	ENE	16/06/2016	19:40	4	NE	17/06/2016	02:10	0.4	SW
16/06/2016	13:15	4.9	ENE	16/06/2016	19:45	4	NE	17/06/2016	02:15	0.4	SW
16/06/2016	13:20	2.2	ENE	16/06/2016	19:50	1.3	ENE	17/06/2016	02:20	0.4	SW
16/06/2016	13:25	2.2	WNW	16/06/2016	19:55	4	ENE	17/06/2016	02:25	0.4	SW
16/06/2016	13:30	2.2	NW	16/06/2016	20:00	4	ENE	17/06/2016	02:30	0.4	SW
16/06/2016	13:35	1.3	SSW	16/06/2016	20:05	3.1	E	17/06/2016	02:35	0.4	ESE
16/06/2016	13:40	2.7	W	16/06/2016	20:10	3.1	ENE	17/06/2016	02:40	0.4	E
16/06/2016	13:45	1.8	NNE	16/06/2016	20:15	2.2	E	17/06/2016	02:45	0.9	WSW
16/06/2016	13:50	2.7	ENE	16/06/2016	20:20	1.8	ENE	17/06/2016	02:50	0.9	SW
16/06/2016	13:55	4	NE	16/06/2016	20:25	2.2	E	17/06/2016	02:55	0.9	SSW
16/06/2016	14:00	3.1	NE	16/06/2016	20:30	1.3	ENE	17/06/2016	03:00	2.7	WSW
16/06/2016	14:05	4.5	ENE	16/06/2016	20:35	0.9	NNE	17/06/2016	03:05	2.2	WSW
16/06/2016	14:10	4.5	NE	16/06/2016	20:40	2.7	ENE	17/06/2016	03:10	1.8	W
16/06/2016	14:15	4.5	ENE	16/06/2016	20:45	3.6	ENE	17/06/2016	03:15	0.4	ESE
16/06/2016	14:20	3.6	NE	16/06/2016	20:50	4	ENE	17/06/2016	03:20	0.9	ESE
16/06/2016	14:25	4	NE	16/06/2016	20:55	4.5	ENE	17/06/2016	03:25	0.4	ESE
16/06/2016	14:30	3.6	NE	16/06/2016	21:00	4	ENE	17/06/2016	03:30	0.9	ESE
16/06/2016	14:35	4	NE	16/06/2016	21:05	2.7	ENE	17/06/2016	03:35	0.4	ESE
16/06/2016	14:40	4	NE	16/06/2016	21:10	1.8	ENE	17/06/2016	03:40	1.3	SE
16/06/2016	14:45	4	NE	16/06/2016	21:15	2.7	ENE	17/06/2016	03:45	0.4	ESE
16/06/2016	14:50	4	NE	16/06/2016	21:20	4	ENE	17/06/2016	03:50	0.9	ESE
16/06/2016	14:55	5.4	ENE	16/06/2016	21:25	2.2	WNW	17/06/2016	03:55	0.9	SE
16/06/2016	15:00	6.7	ENE	16/06/2016	21:30	1.8	NNW	17/06/2016	04:00	1.3	ESE
16/06/2016	15:05	5.4	E	16/06/2016	21:35	1.8	S	17/06/2016	04:05	0.9	E
16/06/2016	15:10	4.5	ENE	16/06/2016	21:40	2.7	WSW	17/06/2016	04:10	0.9	WSW
16/06/2016	15:15	5.4	E	16/06/2016	21:45	1.3	SSW	17/06/2016	04:15	0.9	WSW
16/06/2016	15:20	2.2	WNW	16/06/2016	21:50	2.7	W	17/06/2016	04:20	0.9	WSW
16/06/2016	15:25	1.8	NNW	16/06/2016	21:55	1.8	NNE	17/06/2016	04:25	0.9	WSW
16/06/2016	15:30	1.8	S	16/06/2016	22:00	2.7	ENE	17/06/2016	04:30	0.9	WSW
16/06/2016	15:35	1.3	SSW	16/06/2016	22:05	4	NE	17/06/2016	04:35	0.9	WSW
16/06/2016	15:40	2.7	W	16/06/2016	22:10	3.1	NE	17/06/2016	04:40	0.9	WSW
16/06/2016	15:45	1.8	NNE	16/06/2016	22:15	4.5	ENE	17/06/2016	04:45	0.9	ESE
16/06/2016	15:50	2.7	ENE	16/06/2016	22:20	4.5	NE	17/06/2016	04:50	1.8	E
16/06/2016	15:55	4	NE	16/06/2016	22:25	4.5	ENE	17/06/2016	04:55	2.2	E
16/06/2016	16:00	3.1	NE	16/06/2016	22:30	3.6	NE	17/06/2016	05:00	2.2	ESE
16/06/2016	16:05	4.5	ENE	16/06/2016	22:35	4	NE	17/06/2016	05:05	0.4	SW
16/06/2016	16:10	4.5	NE	16/06/2016	22:40	3.6	NE	17/06/2016	05:10	0.4	SW
16/06/2016	16:15	4.5	ENE	16/06/2016	22:45	4	NE	17/06/2016	05:15	0.4	ESE
16/06/2016	16:20	3.6	NE	16/06/2016	22:50	4	NE	17/06/2016	05:20	0.4	E
16/06/2016	16:25	4	NE	16/06/2016	22:55	4	NE	17/06/2016	05:25	0.9	WSW
16/06/2016	16:30	3.6	NE	16/06/2016	23:00	4	NE	17/06/2016	05:30	0.9	SW
16/06/2016	16:35	4	NE	16/06/2016	23:05	2.2	WNW	17/06/2016	05:35	0.9	SSW
16/06/2016	16:40	4	NE	16/06/2016	23:10	1.8	NNW	17/06/2016	05:40	0.9	ESE
16/06/2016	16:45	4	NE	16/06/2016	23:15	1.8	S	17/06/2016	05:45	0.9	SSW
16/06/2016	16:50	4	NE	16/06/2016	23:20	2.7	WSW	17/06/2016	05:50	0.9	SSW
16/06/2016	16:55	2.7	ENE	16/06/2016	23:25	1.8	W	17/06/2016	05:55	0.9	SSW
16/06/2016	17:00	4.5	E	16/06/2016	23:30	2.2	WSW	17/06/2016	06:00	1.3	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
17/06/2016	06:05	0.9	ESE	17/06/2016	12:35	2.2	E	17/06/2016	19:05	0.9	WSW
17/06/2016	06:10	0.4	ESE	17/06/2016	12:40	2.2	ESE	17/06/2016	19:10	0.9	WSW
17/06/2016	06:15	1.3	SE	17/06/2016	12:45	4.5	E	17/06/2016	19:15	0.9	WSW
17/06/2016	06:20	0.4	ESE	17/06/2016	12:50	5.4	E	17/06/2016	19:20	0.9	NNE
17/06/2016	06:25	0.9	ESE	17/06/2016	12:55	4	E	17/06/2016	19:25	0.4	WSW
17/06/2016	06:30	0.9	SE	17/06/2016	13:00	4.5	E	17/06/2016	19:30	0.9	WNW
17/06/2016	06:35	1.3	ESE	17/06/2016	13:05	4	E	17/06/2016	19:35	0.4	N
17/06/2016	06:40	0.9	E	17/06/2016	13:10	4.5	E	17/06/2016	19:40	0.4	NW
17/06/2016	06:45	0.9	WSW	17/06/2016	13:15	4	E	17/06/2016	19:45	0.4	NE
17/06/2016	06:50	0.9	WSW	17/06/2016	13:20	3.6	E	17/06/2016	19:50	1.3	NE
17/06/2016	06:55	0.9	WSW	17/06/2016	13:25	4	ENE	17/06/2016	19:55	0.4	NE
17/06/2016	07:00	0.9	WSW	17/06/2016	13:30	0.4	ESE	17/06/2016	20:00	0.9	E
17/06/2016	07:05	0.9	WSW	17/06/2016	13:35	0.9	ESE	17/06/2016	20:05	1.3	ESE
17/06/2016	07:10	0.9	WSW	17/06/2016	13:40	0.4	ESE	17/06/2016	20:10	1.8	ENE
17/06/2016	07:15	0.9	WSW	17/06/2016	13:45	1.3	SE	17/06/2016	20:15	1.3	ENE
17/06/2016	07:20	0.9	ESE	17/06/2016	13:50	0.4	ESE	17/06/2016	20:20	1.3	E
17/06/2016	07:25	1.8	E	17/06/2016	13:55	0.9	ESE	17/06/2016	20:25	0.9	ESE
17/06/2016	07:30	2.2	E	17/06/2016	14:00	0.9	SE	17/06/2016	20:30	0.4	ESE
17/06/2016	07:35	2.2	ESE	17/06/2016	14:05	1.3	ESE	17/06/2016	20:35	1.3	SE
17/06/2016	07:40	1.8	ENE	17/06/2016	14:10	0.9	E	17/06/2016	20:40	0.4	ESE
17/06/2016	07:45	2.2	ENE	17/06/2016	14:15	0.9	WSW	17/06/2016	20:45	0.9	ESE
17/06/2016	07:50	2.7	ENE	17/06/2016	14:20	0.9	WSW	17/06/2016	20:50	0.9	SE
17/06/2016	07:55	2.7	E	17/06/2016	14:25	0.9	ESE	17/06/2016	20:55	1.3	ESE
17/06/2016	08:00	3.6	ENE	17/06/2016	14:30	0.4	ESE	17/06/2016	21:00	0.9	E
17/06/2016	08:05	2.7	E	17/06/2016	14:35	1.3	SE	17/06/2016	21:05	0.9	WSW
17/06/2016	08:10	2.2	ENE	17/06/2016	14:40	0.4	ESE	17/06/2016	21:10	0.9	WSW
17/06/2016	08:15	2.2	NE	17/06/2016	14:45	0.9	ESE	17/06/2016	21:15	0.9	WSW
17/06/2016	08:20	0.4	ESE	17/06/2016	14:50	0.9	SE	17/06/2016	21:20	0.9	WSW
17/06/2016	08:25	0.9	ESE	17/06/2016	14:55	1.3	ESE	17/06/2016	21:25	0.9	WSW
17/06/2016	08:30	0.9	SSW	17/06/2016	15:00	0.9	E	17/06/2016	21:30	0.9	WSW
17/06/2016	08:35	0.9	SSE	17/06/2016	15:05	0.9	WSW	17/06/2016	21:35	0.9	WSW
17/06/2016	08:40	0.4	NNE	17/06/2016	15:10	0.9	WSW	17/06/2016	21:40	0.9	ESE
17/06/2016	08:45	0.4	ESE	17/06/2016	15:15	0.9	WSW	17/06/2016	21:45	1.8	E
17/06/2016	08:50	0.9	ESE	17/06/2016	15:20	0.9	WSW	17/06/2016	21:50	2.2	E
17/06/2016	08:55	0.9	ESE	17/06/2016	15:25	0.9	WSW	17/06/2016	21:55	2.2	ESE
17/06/2016	09:00	0.9	ESE	17/06/2016	15:30	0.9	WSW	17/06/2016	22:00	1.8	NNE
17/06/2016	09:05	0.4	ESE	17/06/2016	15:35	0.9	WSW	17/06/2016	22:05	2.2	NNE
17/06/2016	09:10	1.3	SE	17/06/2016	15:40	0.9	ESE	17/06/2016	22:10	2.2	N
17/06/2016	09:15	0.4	ESE	17/06/2016	15:45	1.8	E	17/06/2016	22:15	1.3	NE
17/06/2016	09:20	0.9	ESE	17/06/2016	15:50	2.2	E	17/06/2016	22:20	1.3	W
17/06/2016	09:25	0.9	SE	17/06/2016	15:55	2.2	ESE	17/06/2016	22:25	1.3	W
17/06/2016	09:30	1.3	ESE	17/06/2016	16:00	0.4	ESE	17/06/2016	22:30	0.9	NNE
17/06/2016	09:35	0.9	E	17/06/2016	16:05	1.3	SE	17/06/2016	22:35	0.9	N
17/06/2016	09:40	0.9	WSW	17/06/2016	16:10	0.4	ESE	17/06/2016	22:40	1.3	NE
17/06/2016	09:45	0.9	WSW	17/06/2016	16:15	0.9	ESE	17/06/2016	22:45	1.3	ENE
17/06/2016	09:50	0.9	WSW	17/06/2016	16:20	0.9	SE	17/06/2016	22:50	1.8	NNE
17/06/2016	09:55	0.9	WSW	17/06/2016	16:25	1.3	ESE	17/06/2016	22:55	0.4	ESE
17/06/2016	10:00	0.9	WSW	17/06/2016	16:30	0.9	E	17/06/2016	23:00	0.9	ESE
17/06/2016	10:05	0.9	WSW	17/06/2016	16:35	0.9	WSW	17/06/2016	23:05	0.4	ESE
17/06/2016	10:10	0.9	WSW	17/06/2016	16:40	0.9	WSW	17/06/2016	23:10	1.3	SE
17/06/2016	10:15	0.9	ESE	17/06/2016	16:45	0.9	WSW	17/06/2016	23:15	0.9	ESE
17/06/2016	10:20	1.8	E	17/06/2016	16:50	1.8	ENE	17/06/2016	23:20	0.4	ESE
17/06/2016	10:25	2.2	E	17/06/2016	16:55	1.8	NE	17/06/2016	23:25	1.3	SE
17/06/2016	10:30	2.2	ESE	17/06/2016	17:00	1.3	E	17/06/2016	23:30	0.4	ESE
17/06/2016	10:35	0.9	ENE	17/06/2016	17:05	0.9	E	17/06/2016	23:35	0.9	ESE
17/06/2016	10:40	1.3	NE	17/06/2016	17:10	0.9	ESE	17/06/2016	23:40	0.9	SE
17/06/2016	10:45	0.9	ENE	17/06/2016	17:15	0.4	ESE	17/06/2016	23:45	1.3	ESE
17/06/2016	10:50	0.9	ENE	17/06/2016	17:20	1.3	SE	17/06/2016	23:50	0.9	E
17/06/2016	10:55	1.3	NNE	17/06/2016	17:25	0.4	ESE	17/06/2016	23:55	0.9	WSW
17/06/2016	11:00	0.9	NNE	17/06/2016	17:30	0.9	ESE	18/06/2016	00:00	0.9	WSW
17/06/2016	11:05	1.3	NNE	17/06/2016	17:35	0.9	SE	18/06/2016	00:05	1.3	E
17/06/2016	11:10	0.9	ESE	17/06/2016	17:40	1.3	ESE	18/06/2016	00:10	2.2	NE
17/06/2016	11:15	0.4	ESE	17/06/2016	17:45	0.9	E	18/06/2016	00:15	2.2	ENE
17/06/2016	11:20	1.3	SE	17/06/2016	17:50	0.9	WSW	18/06/2016	00:20	2.7	E
17/06/2016	11:25	0.4	ESE	17/06/2016	17:55	0.9	WSW	18/06/2016	00:25	1.8	ENE
17/06/2016	11:30	0.9	ESE	17/06/2016	18:00	0.9	WSW	18/06/2016	00:30	2.7	E
17/06/2016	11:35	0.9	SE	17/06/2016	18:05	0.9	WSW	18/06/2016	00:35	3.1	NE
17/06/2016	11:40	1.3	ESE	17/06/2016	18:10	0.9	WSW	18/06/2016	00:40	2.2	NE
17/06/2016	11:45	0.9	E	17/06/2016	18:15	0.9	WSW	18/06/2016	00:45	2.2	NE
17/06/2016	11:50	0.9	WSW	17/06/2016	18:20	0.9	WSW	18/06/2016	00:50	1.8	NE
17/06/2016	11:55	0.9	WSW	17/06/2016	18:25	0.9	ESE	18/06/2016	00:55	1.8	ENE
17/06/2016	12:00	0.9	WSW	17/06/2016	18:30	1.8	E	18/06/2016	01:00	1.3	ENE
17/06/2016	12:05	0.9	WSW	17/06/2016	18:35	2.2	E	18/06/2016	01:05	0.9	NNE
17/06/2016	12:10	0.9	WSW	17/06/2016	18:40	2.2	ESE	18/06/2016	01:10	0.9	W
17/06/2016	12:15	0.9	WSW	17/06/2016	18:45	0.9	ESE	18/06/2016	01:15	0.4	ENE
17/06/2016	12:20	0.9	WSW	17/06/2016	18:50	0.9	SE	18/06/2016	01:20	0.4	W
17/06/2016	12:25	0.9	ESE	17/06/2016	18:55	1.3	ESE	18/06/2016	01:25	1.3	WSW
17/06/2016	12:30	1.8	E	17/06/2016	19:00	0.9	E	18/06/2016	01:30	0.4	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
18/06/2016	01:35	0.9	NNW	18/06/2016	08:05	1.8	E	18/06/2016	14:35	2.7	E
18/06/2016	01:40	0.4	NNE	18/06/2016	08:10	1.3	E	18/06/2016	14:40	3.1	NE
18/06/2016	01:45	1.3	E	18/06/2016	08:15	2.2	ENE	18/06/2016	14:45	2.2	NE
18/06/2016	01:50	0.4	ENE	18/06/2016	08:20	2.7	ENE	18/06/2016	14:50	2.2	NE
18/06/2016	01:55	1.3	NE	18/06/2016	08:25	2.2	ENE	18/06/2016	14:55	1.8	NE
18/06/2016	02:00	0.9	ENE	18/06/2016	08:30	1.3	NE	18/06/2016	15:00	1.8	ENE
18/06/2016	02:05	0.9	N	18/06/2016	08:35	1.8	ENE	18/06/2016	15:05	1.3	ENE
18/06/2016	02:10	0.4	NE	18/06/2016	08:40	1.8	ENE	18/06/2016	15:10	0.9	NNE
18/06/2016	02:15	0.9	N	18/06/2016	08:45	2.7	ENE	18/06/2016	15:15	1.8	NE
18/06/2016	02:20	0.9	ESE	18/06/2016	08:50	1.8	NNE	18/06/2016	15:20	1.8	ENE
18/06/2016	02:25	0.4	NE	18/06/2016	08:55	2.2	ENE	18/06/2016	15:25	1.3	ENE
18/06/2016	02:30	1.8	NE	18/06/2016	09:00	1.8	NE	18/06/2016	15:30	0.9	NNE
18/06/2016	02:35	1.3	E	18/06/2016	09:05	1.8	ENE	18/06/2016	15:35	0.9	W
18/06/2016	02:40	2.2	NE	18/06/2016	09:10	1.3	ENE	18/06/2016	15:40	0.4	ENE
18/06/2016	02:45	2.2	ENE	18/06/2016	09:15	0.9	NNE	18/06/2016	15:45	0.4	W
18/06/2016	02:50	2.7	E	18/06/2016	09:20	0.9	W	18/06/2016	15:50	1.3	WSW
18/06/2016	02:55	1.8	ENE	18/06/2016	09:25	0.4	ENE	18/06/2016	15:55	0.4	WNW
18/06/2016	03:00	2.7	E	18/06/2016	09:30	0.4	W	18/06/2016	16:00	0.9	NNW
18/06/2016	03:05	3.1	NE	18/06/2016	09:35	1.3	WSW	18/06/2016	16:05	0.4	NNE
18/06/2016	03:10	2.2	NE	18/06/2016	09:40	0.4	WNW	18/06/2016	16:10	1.3	E
18/06/2016	03:15	2.2	NE	18/06/2016	09:45	0.9	NNW	18/06/2016	16:15	0.4	ENE
18/06/2016	03:20	1.8	NE	18/06/2016	09:50	0.4	NNE	18/06/2016	16:20	1.3	NE
18/06/2016	03:25	1.8	ENE	18/06/2016	09:55	1.3	E	18/06/2016	16:25	0.9	ENE
18/06/2016	03:30	1.3	ENE	18/06/2016	10:00	0.4	ENE	18/06/2016	16:30	0.9	N
18/06/2016	03:35	0.9	NNE	18/06/2016	10:05	1.3	NE	18/06/2016	16:35	0.4	NE
18/06/2016	03:40	0.9	W	18/06/2016	10:10	0.9	ENE	18/06/2016	16:40	0.9	N
18/06/2016	03:45	0.4	ENE	18/06/2016	10:15	0.9	N	18/06/2016	16:45	1.3	W
18/06/2016	03:50	0.4	W	18/06/2016	10:20	0.4	NE	18/06/2016	16:50	1.3	NNW
18/06/2016	03:55	1.3	WSW	18/06/2016	10:25	0.9	N	18/06/2016	16:55	1.3	E
18/06/2016	04:00	0.4	WNW	18/06/2016	10:30	1.8	ENE	18/06/2016	17:00	2.2	NE
18/06/2016	04:05	0.9	NNW	18/06/2016	10:35	1.8	ENE	18/06/2016	17:05	2.2	ENE
18/06/2016	04:10	0.4	NNE	18/06/2016	10:40	2.7	ENE	18/06/2016	17:10	2.7	E
18/06/2016	04:15	1.3	E	18/06/2016	10:45	1.8	NNE	18/06/2016	17:15	1.8	ENE
18/06/2016	04:20	0.4	ENE	18/06/2016	10:50	2.2	ENE	18/06/2016	17:20	2.7	E
18/06/2016	04:25	1.3	NE	18/06/2016	10:55	2.2	ENE	18/06/2016	17:25	3.1	NE
18/06/2016	04:30	0.9	ENE	18/06/2016	11:00	2.7	NE	18/06/2016	17:30	2.2	NE
18/06/2016	04:35	0.9	N	18/06/2016	11:05	2.7	NE	18/06/2016	17:35	2.2	NE
18/06/2016	04:40	0.4	NE	18/06/2016	11:10	2.2	NE	18/06/2016	17:40	1.8	NE
18/06/2016	04:45	0.9	N	18/06/2016	11:15	2.7	NE	18/06/2016	17:45	1.8	ENE
18/06/2016	04:50	2.2	NE	18/06/2016	11:20	1.8	NE	18/06/2016	17:50	1.3	ENE
18/06/2016	04:55	2.2	ENE	18/06/2016	11:25	2.2	NE	18/06/2016	17:55	0.9	NNE
18/06/2016	05:00	2.7	E	18/06/2016	11:30	1.8	NE	18/06/2016	18:00	1.3	NE
18/06/2016	05:05	1.8	ENE	18/06/2016	11:35	1.3	E	18/06/2016	18:05	1.3	NE
18/06/2016	05:10	2.7	E	18/06/2016	11:40	2.2	NE	18/06/2016	18:10	0.9	NE
18/06/2016	05:15	3.1	NE	18/06/2016	11:45	2.2	ENE	18/06/2016	18:15	1.3	NNE
18/06/2016	05:20	2.2	NE	18/06/2016	11:50	2.7	E	18/06/2016	18:20	2.2	N
18/06/2016	05:25	2.2	NE	18/06/2016	11:55	1.8	ENE	18/06/2016	18:25	2.2	N
18/06/2016	05:30	1.8	NE	18/06/2016	12:00	2.7	E	18/06/2016	18:30	1.8	NE
18/06/2016	05:35	1.8	ENE	18/06/2016	12:05	3.1	NE	18/06/2016	18:35	1.8	ENE
18/06/2016	05:40	1.3	ENE	18/06/2016	12:10	2.2	NE	18/06/2016	18:40	1.3	ENE
18/06/2016	05:45	0.9	NNE	18/06/2016	12:15	1.8	NE	18/06/2016	18:45	0.9	NNE
18/06/2016	05:50	2.2	NE	18/06/2016	12:20	1.8	ENE	18/06/2016	18:50	0.9	W
18/06/2016	05:55	2.2	ENE	18/06/2016	12:25	1.3	ENE	18/06/2016	18:55	0.4	ENE
18/06/2016	06:00	1.8	NE	18/06/2016	12:30	0.9	NNE	18/06/2016	19:00	0.4	W
18/06/2016	06:05	1.8	ENE	18/06/2016	12:35	0.9	W	18/06/2016	19:05	1.3	WSW
18/06/2016	06:10	1.8	ESE	18/06/2016	12:40	0.4	ENE	18/06/2016	19:10	0.4	WNW
18/06/2016	06:15	1.3	NNE	18/06/2016	12:45	0.4	W	18/06/2016	19:15	0.9	NNW
18/06/2016	06:20	1.8	ENE	18/06/2016	12:50	1.3	WSW	18/06/2016	19:20	0.4	NNE
18/06/2016	06:25	2.7	E	18/06/2016	12:55	0.4	WNW	18/06/2016	19:25	1.3	E
18/06/2016	06:30	2.7	ENE	18/06/2016	13:00	0.9	NNW	18/06/2016	19:30	0.4	ENE
18/06/2016	06:35	1.8	NE	18/06/2016	13:05	0.4	NNE	18/06/2016	19:35	1.3	NE
18/06/2016	06:40	1.8	ENE	18/06/2016	13:10	1.3	E	18/06/2016	19:40	0.9	ENE
18/06/2016	06:45	1.3	ENE	18/06/2016	13:15	0.4	ENE	18/06/2016	19:45	0.9	N
18/06/2016	06:50	0.9	NNE	18/06/2016	13:20	1.3	NE	18/06/2016	19:50	0.4	NE
18/06/2016	06:55	0.9	W	18/06/2016	13:25	0.9	ENE	18/06/2016	19:55	0.9	N
18/06/2016	07:00	0.4	ENE	18/06/2016	13:30	0.9	N	18/06/2016	20:00	0.4	E
18/06/2016	07:05	0.4	W	18/06/2016	13:35	0.4	NE	18/06/2016	20:05	0.4	E
18/06/2016	07:10	1.3	WSW	18/06/2016	13:40	0.9	N	18/06/2016	20:10	0.4	E
18/06/2016	07:15	0.4	WNW	18/06/2016	13:45	0.4	ENE	18/06/2016	20:15	0.4	E
18/06/2016	07:20	0.9	NNW	18/06/2016	13:50	0.4	ENE	18/06/2016	20:20	0.4	SSW
18/06/2016	07:25	0.4	NNE	18/06/2016	13:55	0.9	SSW	18/06/2016	20:25	1.3	E
18/06/2016	07:30	1.3	E	18/06/2016	14:00	1.3	WNW	18/06/2016	20:30	2.2	NE
18/06/2016	07:35	0.4	ENE	18/06/2016	14:05	2.2	NNE	18/06/2016	20:35	2.2	ENE
18/06/2016	07:40	1.3	NE	18/06/2016	14:10	1.3	E	18/06/2016	20:40	2.7	E
18/06/2016	07:45	0.9	ENE	18/06/2016	14:15	2.2	NE	18/06/2016	20:45	1.8	ENE
18/06/2016	07:50	0.9	N	18/06/2016	14:20	2.2	ENE	18/06/2016	20:50	2.7	E
18/06/2016	07:55	0.4	NE	18/06/2016	14:25	2.7	E	18/06/2016	20:55	3.1	NE
18/06/2016	08:00	0.9	N	18/06/2016	14:30	1.8	ENE	18/06/2016	21:00	2.2	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
18/06/2016	21:05	2.2	NE	19/06/2016	03:35	4.5	NE	19/06/2016	10:05	1.3	NE
18/06/2016	21:10	1.8	NE	19/06/2016	03:40	0.9	W	19/06/2016	10:10	1.3	NE
18/06/2016	21:15	1.8	ENE	19/06/2016	03:45	0.9	W	19/06/2016	10:15	0.9	WSW
18/06/2016	21:20	1.3	ENE	19/06/2016	03:50	0.4	E	19/06/2016	10:20	0.9	WSW
18/06/2016	21:25	0.9	NNE	19/06/2016	03:55	2.2	WNW	19/06/2016	10:25	0.4	WSW
18/06/2016	21:30	2.2	N	19/06/2016	04:00	2.2	WNW	19/06/2016	10:30	0.9	SW
18/06/2016	21:35	2.2	N	19/06/2016	04:05	1.8	WNW	19/06/2016	10:35	0.4	E
18/06/2016	21:40	1.8	NNW	19/06/2016	04:10	1.8	NW	19/06/2016	10:40	2.2	WNW
18/06/2016	21:45	1.8	NE	19/06/2016	04:15	1.8	W	19/06/2016	10:45	2.2	WNW
18/06/2016	21:50	1.8	ENE	19/06/2016	04:20	1.8	W	19/06/2016	10:50	1.8	WNW
18/06/2016	21:55	1.3	ENE	19/06/2016	04:25	1.8	W	19/06/2016	10:55	1.8	NW
18/06/2016	22:00	0.9	NNE	19/06/2016	04:30	0.9	WNW	19/06/2016	11:00	1.8	W
18/06/2016	22:05	0.9	W	19/06/2016	04:35	1.8	W	19/06/2016	11:05	1.8	W
18/06/2016	22:10	0.4	ENE	19/06/2016	04:40	1.3	W	19/06/2016	11:10	1.8	W
18/06/2016	22:15	0.4	W	19/06/2016	04:45	0.4	W	19/06/2016	11:15	0.9	WNW
18/06/2016	22:20	1.3	WSW	19/06/2016	04:50	2.2	WNW	19/06/2016	11:20	1.8	W
18/06/2016	22:25	0.4	WNW	19/06/2016	04:55	2.2	WNW	19/06/2016	11:25	1.3	W
18/06/2016	22:30	0.9	NNW	19/06/2016	05:00	1.8	WNW	19/06/2016	11:30	0.4	W
18/06/2016	22:35	0.4	NNE	19/06/2016	05:05	0.9	S	19/06/2016	11:35	2.7	NNW
18/06/2016	22:40	1.3	E	19/06/2016	05:10	1.3	N	19/06/2016	11:40	0.4	E
18/06/2016	22:45	0.4	ENE	19/06/2016	05:15	1.3	ENE	19/06/2016	11:45	2.2	WNW
18/06/2016	22:50	1.3	NE	19/06/2016	05:20	0.9	NE	19/06/2016	11:50	2.2	WNW
18/06/2016	22:55	0.9	ENE	19/06/2016	05:25	0.4	NW	19/06/2016	11:55	1.8	WNW
18/06/2016	23:00	0.9	N	19/06/2016	05:30	1.3	NE	19/06/2016	12:00	4.9	NE
18/06/2016	23:05	0.4	NE	19/06/2016	05:35	1.3	NE	19/06/2016	12:05	4	NE
18/06/2016	23:10	0.9	N	19/06/2016	05:40	1.3	NE	19/06/2016	12:10	3.6	NE
18/06/2016	23:15	1.3	E	19/06/2016	05:45	1.3	NE	19/06/2016	12:15	3.6	NE
18/06/2016	23:20	2.2	NE	19/06/2016	05:50	0.9	WSW	19/06/2016	12:20	3.6	NE
18/06/2016	23:25	2.2	ENE	19/06/2016	05:55	0.9	WSW	19/06/2016	12:25	3.1	NE
18/06/2016	23:30	2.7	E	19/06/2016	06:00	0.4	WSW	19/06/2016	12:30	3.1	NNE
18/06/2016	23:35	1.8	ENE	19/06/2016	06:05	0.9	SW	19/06/2016	12:35	3.1	NE
18/06/2016	23:40	2.7	E	19/06/2016	06:10	0.9	WSW	19/06/2016	12:40	3.1	NE
18/06/2016	23:45	3.1	NE	19/06/2016	06:15	0.9	WSW	19/06/2016	12:45	3.1	NE
18/06/2016	23:50	2.2	NE	19/06/2016	06:20	0.4	WSW	19/06/2016	12:50	2.7	NE
18/06/2016	23:55	2.2	NE	19/06/2016	06:25	0.9	WSW	19/06/2016	12:55	4.9	NE
19/06/2016	00:00	1.8	NE	19/06/2016	06:30	0.4	WSW	19/06/2016	13:00	4.9	ENE
19/06/2016	00:05	4	NE	19/06/2016	06:35	0.9	W	19/06/2016	13:05	4.5	NE
19/06/2016	00:10	4	NE	19/06/2016	06:40	1.3	NE	19/06/2016	13:10	4.5	NE
19/06/2016	00:15	4	NE	19/06/2016	06:45	1.3	NE	19/06/2016	13:15	4	NE
19/06/2016	00:20	3.6	NE	19/06/2016	06:50	1.8	NE	19/06/2016	13:20	4	NE
19/06/2016	00:25	4	NE	19/06/2016	06:55	2.2	NE	19/06/2016	13:25	4	NE
19/06/2016	00:30	4	NE	19/06/2016	07:00	1.8	NE	19/06/2016	13:30	4	NE
19/06/2016	00:35	4.5	NE	19/06/2016	07:05	0.4	E	19/06/2016	13:35	4	NE
19/06/2016	00:40	4.5	NE	19/06/2016	07:10	2.2	WNW	19/06/2016	13:40	3.6	NE
19/06/2016	00:45	4.5	NE	19/06/2016	07:15	2.2	WNW	19/06/2016	13:45	4	NE
19/06/2016	00:50	2.2	NE	19/06/2016	07:20	1.8	WNW	19/06/2016	13:50	4	NE
19/06/2016	00:55	1.8	NE	19/06/2016	07:25	1.8	NW	19/06/2016	13:55	4.5	NE
19/06/2016	01:00	1.8	NE	19/06/2016	07:30	1.8	W	19/06/2016	14:00	4.5	NE
19/06/2016	01:05	0.9	W	19/06/2016	07:35	1.8	W	19/06/2016	14:05	2.2	NE
19/06/2016	01:10	0.9	W	19/06/2016	07:40	1.8	W	19/06/2016	14:10	1.8	NE
19/06/2016	01:15	3.6	E	19/06/2016	07:45	0.9	WNW	19/06/2016	14:15	1.8	NE
19/06/2016	01:20	4.9	E	19/06/2016	07:50	1.8	W	19/06/2016	14:20	0.9	W
19/06/2016	01:25	4.9	E	19/06/2016	07:55	1.3	W	19/06/2016	14:25	0.9	W
19/06/2016	01:30	3.6	ENE	19/06/2016	08:00	0.4	W	19/06/2016	14:30	3.6	E
19/06/2016	01:35	2.7	NNW	19/06/2016	08:05	1.3	NNE	19/06/2016	14:35	4.9	E
19/06/2016	01:40	0.4	E	19/06/2016	08:10	1.8	NNE	19/06/2016	14:40	4.9	E
19/06/2016	01:45	2.2	WNW	19/06/2016	08:15	1.3	ENE	19/06/2016	14:45	3.6	ENE
19/06/2016	01:50	2.2	WNW	19/06/2016	08:20	1.8	N	19/06/2016	14:50	0.4	E
19/06/2016	01:55	1.8	WNW	19/06/2016	08:25	1.3	N	19/06/2016	14:55	2.2	WNW
19/06/2016	02:00	1.8	NW	19/06/2016	08:30	1.8	NNE	19/06/2016	15:00	2.2	WNW
19/06/2016	02:05	1.8	W	19/06/2016	08:35	1.3	NNE	19/06/2016	15:05	1.8	WNW
19/06/2016	02:10	1.8	W	19/06/2016	08:40	1.8	NNE	19/06/2016	15:10	1.8	NW
19/06/2016	02:15	1.8	W	19/06/2016	08:45	1.8	NNE	19/06/2016	15:15	1.8	W
19/06/2016	02:20	0.9	WNW	19/06/2016	08:50	1.3	NE	19/06/2016	15:20	1.8	W
19/06/2016	02:25	1.8	W	19/06/2016	08:55	1.3	NE	19/06/2016	15:25	1.8	W
19/06/2016	02:30	1.3	W	19/06/2016	09:00	1.3	NE	19/06/2016	15:30	0.9	WNW
19/06/2016	02:35	0.4	W	19/06/2016	09:05	0.9	WSW	19/06/2016	15:35	1.8	W
19/06/2016	02:40	3.1	E	19/06/2016	09:10	0.9	WSW	19/06/2016	15:40	1.3	W
19/06/2016	02:45	3.6	E	19/06/2016	09:15	0.4	WSW	19/06/2016	15:45	0.4	W
19/06/2016	02:50	2.7	NE	19/06/2016	09:20	0.9	SW	19/06/2016	15:50	4.9	E
19/06/2016	02:55	0.9	WNW	19/06/2016	09:25	0.9	W	19/06/2016	15:55	3.6	ENE
19/06/2016	03:00	2.2	E	19/06/2016	09:30	1.3	NE	19/06/2016	16:00	2.7	NNW
19/06/2016	03:05	3.1	NE	19/06/2016	09:35	1.3	NE	19/06/2016	16:05	0.4	E
19/06/2016	03:10	4	NE	19/06/2016	09:40	1.8	NE	19/06/2016	16:10	2.7	WSW
19/06/2016	03:15	3.6	NE	19/06/2016	09:45	1.3	NE	19/06/2016	16:15	3.6	NW
19/06/2016	03:20	4	NE	19/06/2016	09:50	1.3	ENE	19/06/2016	16:20	3.1	NW
19/06/2016	03:25	4	NE	19/06/2016	09:55	1.8	NE	19/06/2016	16:25	1.3	NNE
19/06/2016	03:30	4.5	NE	19/06/2016	10:00	1.3	NE	19/06/2016	16:30	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
19/06/2016	16:35	1.8	NNE	19/06/2016	23:05	0.9	W	20/06/2016	05:35	0.4	NNE
19/06/2016	16:40	1.8	NNW	19/06/2016	23:10	0.9	W	20/06/2016	05:40	0.4	NW
19/06/2016	16:45	2.2	WNW	19/06/2016	23:15	3.6	E	20/06/2016	05:45	0.4	N
19/06/2016	16:50	2.2	WNW	19/06/2016	23:20	4.9	E	20/06/2016	05:50	0.4	E
19/06/2016	16:55	1.8	WNW	19/06/2016	23:25	4.9	E	20/06/2016	05:55	0.4	NNW
19/06/2016	17:00	1.8	NW	19/06/2016	23:30	3.6	ENE	20/06/2016	06:00	0.4	ENE
19/06/2016	17:05	1.8	W	19/06/2016	23:35	2.7	NNW	20/06/2016	06:05	0.9	WSW
19/06/2016	17:10	1.8	W	19/06/2016	23:40	0.4	E	20/06/2016	06:10	0.9	WSW
19/06/2016	17:15	1.8	W	19/06/2016	23:45	2.2	WNW	20/06/2016	06:15	0.9	ENE
19/06/2016	17:20	2.2	NE	19/06/2016	23:50	2.2	WNW	20/06/2016	06:20	1.8	W
19/06/2016	17:25	1.8	NE	19/06/2016	23:55	1.8	WNW	20/06/2016	06:25	0.9	W
19/06/2016	17:30	1.8	NE	20/06/2016	00:00	1.3	NE	20/06/2016	06:30	1.3	NW
19/06/2016	17:35	0.9	W	20/06/2016	00:05	2.2	E	20/06/2016	06:35	2.2	WSW
19/06/2016	17:40	0.9	W	20/06/2016	00:10	2.7	ENE	20/06/2016	06:40	0.9	W
19/06/2016	17:45	3.6	E	20/06/2016	00:15	1.8	SSE	20/06/2016	06:45	1.3	SW
19/06/2016	17:50	4.9	E	20/06/2016	00:20	3.1	E	20/06/2016	06:50	1.8	SW
19/06/2016	17:55	4.9	E	20/06/2016	00:25	2.2	ENE	20/06/2016	06:55	1.8	WSW
19/06/2016	18:00	3.6	ENE	20/06/2016	00:30	2.7	ESE	20/06/2016	07:00	2.2	W
19/06/2016	18:05	2.7	NNW	20/06/2016	00:35	2.7	E	20/06/2016	07:05	1.8	W
19/06/2016	18:10	0.4	E	20/06/2016	00:40	2.2	E	20/06/2016	07:10	1.3	NNE
19/06/2016	18:15	2.2	WNW	20/06/2016	00:45	2.2	ENE	20/06/2016	07:15	1.8	E
19/06/2016	18:20	0.4	E	20/06/2016	00:50	2.7	NE	20/06/2016	07:20	1.8	ENE
19/06/2016	18:25	2.2	WNW	20/06/2016	00:55	1.3	NNE	20/06/2016	07:25	1.3	N
19/06/2016	18:30	2.2	WNW	20/06/2016	01:00	1.8	E	20/06/2016	07:30	1.8	ENE
19/06/2016	18:35	1.8	WNW	20/06/2016	01:05	1.8	ENE	20/06/2016	07:35	0.9	N
19/06/2016	18:40	1.8	NW	20/06/2016	01:10	1.3	N	20/06/2016	07:40	0.9	NE
19/06/2016	18:45	1.8	W	20/06/2016	01:15	1.8	ENE	20/06/2016	07:45	1.3	NE
19/06/2016	18:50	1.8	W	20/06/2016	01:20	0.9	N	20/06/2016	07:50	1.3	ENE
19/06/2016	18:55	1.8	W	20/06/2016	01:25	0.9	NE	20/06/2016	07:55	1.8	NNE
19/06/2016	19:00	0.9	WNW	20/06/2016	01:30	1.3	NE	20/06/2016	08:00	0.9	SSW
19/06/2016	19:05	1.8	W	20/06/2016	01:35	1.3	ENE	20/06/2016	08:05	0.9	SSW
19/06/2016	19:10	1.3	W	20/06/2016	01:40	1.8	NNE	20/06/2016	08:10	1.8	ENE
19/06/2016	19:15	0.4	W	20/06/2016	01:45	0.9	SSW	20/06/2016	08:15	0.9	N
19/06/2016	19:20	2.7	E	20/06/2016	01:50	0.9	SSW	20/06/2016	08:20	0.4	WNW
19/06/2016	19:25	2.7	ENE	20/06/2016	01:55	1.8	ENE	20/06/2016	08:25	0.4	WNW
19/06/2016	19:30	3.1	E	20/06/2016	02:00	0.9	N	20/06/2016	08:30	2.7	WSW
19/06/2016	19:35	2.7	ENE	20/06/2016	02:05	0.4	WNW	20/06/2016	08:35	2.2	W
19/06/2016	19:40	1.3	E	20/06/2016	02:10	0.4	WNW	20/06/2016	08:40	2.7	W
19/06/2016	19:45	3.1	NW	20/06/2016	02:15	1.3	NE	20/06/2016	08:45	1.3	NNE
19/06/2016	19:50	1.3	NNE	20/06/2016	02:20	0.9	NE	20/06/2016	08:50	1.8	E
19/06/2016	19:55	1.8	NNE	20/06/2016	02:25	0.9	ENE	20/06/2016	08:55	1.8	ENE
19/06/2016	20:00	1.8	NNE	20/06/2016	02:30	0.9	ENE	20/06/2016	09:00	1.3	N
19/06/2016	20:05	0.4	E	20/06/2016	02:35	2.2	NNW	20/06/2016	09:05	1.8	ENE
19/06/2016	20:10	2.2	WNW	20/06/2016	02:40	0.9	W	20/06/2016	09:10	0.9	N
19/06/2016	20:15	2.2	WNW	20/06/2016	02:45	1.8	NE	20/06/2016	09:15	0.9	NE
19/06/2016	20:20	1.8	WNW	20/06/2016	02:50	1.8	NE	20/06/2016	09:20	1.3	NE
19/06/2016	20:25	1.8	NW	20/06/2016	02:55	3.1	E	20/06/2016	09:25	1.3	ENE
19/06/2016	20:30	1.8	W	20/06/2016	03:00	2.2	ENE	20/06/2016	09:30	1.8	NNE
19/06/2016	20:35	1.8	W	20/06/2016	03:05	2.7	ESE	20/06/2016	09:35	0.9	SSW
19/06/2016	20:40	1.8	W	20/06/2016	03:10	2.7	E	20/06/2016	09:40	0.9	SSW
19/06/2016	20:45	0.9	WNW	20/06/2016	03:15	2.2	E	20/06/2016	09:45	1.8	ENE
19/06/2016	20:50	1.8	W	20/06/2016	03:20	2.2	ENE	20/06/2016	09:50	0.9	N
19/06/2016	20:55	1.3	W	20/06/2016	03:25	1.8	ENE	20/06/2016	09:55	0.4	WNW
19/06/2016	21:00	0.4	W	20/06/2016	03:30	0.9	N	20/06/2016	10:00	0.4	WNW
19/06/2016	21:05	3.6	E	20/06/2016	03:35	0.9	NE	20/06/2016	10:05	1.3	NE
19/06/2016	21:10	4.9	E	20/06/2016	03:40	1.3	NE	20/06/2016	10:10	1.3	NW
19/06/2016	21:15	4.9	E	20/06/2016	03:45	1.3	NNE	20/06/2016	10:15	0.9	WNW
19/06/2016	21:20	3.6	ENE	20/06/2016	03:50	1.8	E	20/06/2016	10:20	1.3	WNW
19/06/2016	21:25	2.7	NNW	20/06/2016	03:55	1.8	ENE	20/06/2016	10:25	1.3	N
19/06/2016	21:30	0.4	E	20/06/2016	04:00	1.3	N	20/06/2016	10:30	1.3	W
19/06/2016	21:35	2.2	WNW	20/06/2016	04:05	1.8	ENE	20/06/2016	10:35	0.9	E
19/06/2016	21:40	2.2	WNW	20/06/2016	04:10	0.9	N	20/06/2016	10:40	1.3	NNE
19/06/2016	21:45	1.8	WNW	20/06/2016	04:15	0.9	NE	20/06/2016	10:45	1.8	E
19/06/2016	21:50	0.9	ENE	20/06/2016	04:20	1.3	NE	20/06/2016	10:50	1.8	ENE
19/06/2016	21:55	1.3	WNW	20/06/2016	04:25	1.3	ENE	20/06/2016	10:55	1.3	N
19/06/2016	22:00	0.9	WNW	20/06/2016	04:30	1.8	NNE	20/06/2016	11:00	1.8	ENE
19/06/2016	22:05	0.4	E	20/06/2016	04:35	0.9	SSW	20/06/2016	11:05	0.9	N
19/06/2016	22:10	2.2	WNW	20/06/2016	04:40	0.9	SSW	20/06/2016	11:10	0.9	NE
19/06/2016	22:15	2.2	WNW	20/06/2016	04:45	1.8	ENE	20/06/2016	11:15	1.3	NE
19/06/2016	22:20	1.8	WNW	20/06/2016	04:50	0.9	N	20/06/2016	11:20	1.3	ENE
19/06/2016	22:25	1.8	NW	20/06/2016	04:55	0.4	WNW	20/06/2016	11:25	1.8	NNE
19/06/2016	22:30	1.8	W	20/06/2016	05:00	0.4	WNW	20/06/2016	11:30	0.9	SSW
19/06/2016	22:35	1.8	W	20/06/2016	05:05	1.3	NE	20/06/2016	11:35	0.9	SSW
19/06/2016	22:40	1.8	W	20/06/2016	05:10	0.4	WNW	20/06/2016	11:40	1.8	ENE
19/06/2016	22:45	0.9	WNW	20/06/2016	05:15	1.3	E	20/06/2016	11:45	0.9	N
19/06/2016	22:50	1.8	W	20/06/2016	05:20	1.3	ENE	20/06/2016	11:50	0.4	WNW
19/06/2016	22:55	1.3	W	20/06/2016	05:25	1.3	ENE	20/06/2016	11:55	0.4	WNW
19/06/2016	23:00	0.4	W	20/06/2016	05:30	0.4	NNE	20/06/2016	12:00	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
20/06/2016	12:05	0.9	NE	20/06/2016	18:35	1.3	W	21/06/2016	01:05	1.8	W
20/06/2016	12:10	0.9	NE	20/06/2016	18:40	1.8	W	21/06/2016	01:10	1.3	WSW
20/06/2016	12:15	0.9	NE	20/06/2016	18:45	1.3	WNW	21/06/2016	01:15	1.8	W
20/06/2016	12:20	0.9	N	20/06/2016	18:50	0.9	WNW	21/06/2016	01:20	2.2	W
20/06/2016	12:25	1.3	NW	20/06/2016	18:55	1.3	WNW	21/06/2016	01:25	2.2	W
20/06/2016	12:30	1.3	NNE	20/06/2016	19:00	0.9	NW	21/06/2016	01:30	1.3	W
20/06/2016	12:35	1.8	E	20/06/2016	19:05	1.8	WSW	21/06/2016	01:35	1.8	W
20/06/2016	12:40	1.8	ENE	20/06/2016	19:10	0.9	NW	21/06/2016	01:40	1.8	W
20/06/2016	12:45	1.3	N	20/06/2016	19:15	1.3	WNW	21/06/2016	01:45	0.9	NW
20/06/2016	12:50	1.8	ENE	20/06/2016	19:20	0.9	ENE	21/06/2016	01:50	0.9	WNW
20/06/2016	12:55	0.9	N	20/06/2016	19:25	1.3	NNE	21/06/2016	01:55	0.4	W
20/06/2016	13:00	0.9	NE	20/06/2016	19:30	1.8	NE	21/06/2016	02:00	0.9	WSW
20/06/2016	13:05	1.3	NE	20/06/2016	19:35	3.1	W	21/06/2016	02:05	0.4	WSW
20/06/2016	13:10	1.3	ENE	20/06/2016	19:40	2.7	W	21/06/2016	02:10	0.9	SW
20/06/2016	13:15	1.8	NNE	20/06/2016	19:45	3.6	W	21/06/2016	02:15	0.4	WSW
20/06/2016	13:20	0.9	SSW	20/06/2016	19:50	3.6	W	21/06/2016	02:20	0.9	SW
20/06/2016	13:25	0.9	SSW	20/06/2016	19:55	1.3	NNE	21/06/2016	02:25	1.3	SW
20/06/2016	13:30	1.8	ENE	20/06/2016	20:00	1.8	E	21/06/2016	02:30	0.9	SW
20/06/2016	13:35	0.9	N	20/06/2016	20:05	1.8	ENE	21/06/2016	02:35	0.9	SSW
20/06/2016	13:40	0.4	WNW	20/06/2016	20:10	1.3	N	21/06/2016	02:40	0.4	SW
20/06/2016	13:45	0.4	WNW	20/06/2016	20:15	1.8	ENE	21/06/2016	02:45	0.9	SW
20/06/2016	13:50	1.3	NE	20/06/2016	20:20	0.9	N	21/06/2016	02:50	0.9	SW
20/06/2016	13:55	1.3	NNE	20/06/2016	20:25	0.9	NE	21/06/2016	02:55	1.3	W
20/06/2016	14:00	1.8	E	20/06/2016	20:30	1.3	NNE	21/06/2016	03:00	1.8	NW
20/06/2016	14:05	1.8	ENE	20/06/2016	20:35	1.8	E	21/06/2016	03:05	1.3	NW
20/06/2016	14:10	1.3	N	20/06/2016	20:40	1.8	ENE	21/06/2016	03:10	0.9	NW
20/06/2016	14:15	1.8	ENE	20/06/2016	20:45	1.3	N	21/06/2016	03:15	1.3	WNW
20/06/2016	14:20	0.9	N	20/06/2016	20:50	1.8	ENE	21/06/2016	03:20	1.8	W
20/06/2016	14:25	0.9	NE	20/06/2016	20:55	0.9	N	21/06/2016	03:25	2.2	WNW
20/06/2016	14:30	1.3	NE	20/06/2016	21:00	0.9	NE	21/06/2016	03:30	2.7	W
20/06/2016	14:35	1.3	ENE	20/06/2016	21:05	1.3	NE	21/06/2016	03:35	1.3	WNW
20/06/2016	14:40	1.8	NNE	20/06/2016	21:10	1.3	ENE	21/06/2016	03:40	1.8	W
20/06/2016	14:45	0.9	SSW	20/06/2016	21:15	1.8	NNE	21/06/2016	03:45	1.8	W
20/06/2016	14:50	0.9	SSW	20/06/2016	21:20	0.9	SSW	21/06/2016	03:50	2.2	W
20/06/2016	14:55	1.8	ENE	20/06/2016	21:25	0.9	SSW	21/06/2016	03:55	2.2	W
20/06/2016	15:00	0.9	N	20/06/2016	21:30	1.8	ENE	21/06/2016	04:00	1.8	W
20/06/2016	15:05	0.4	WNW	20/06/2016	21:35	0.9	N	21/06/2016	04:05	1.8	W
20/06/2016	15:10	0.4	WNW	20/06/2016	21:40	0.4	WNW	21/06/2016	04:10	1.8	W
20/06/2016	15:15	3.1	W	20/06/2016	21:45	0.4	WNW	21/06/2016	04:15	0.9	NW
20/06/2016	15:20	2.2	W	20/06/2016	21:50	1.3	NE	21/06/2016	04:20	0.9	WNW
20/06/2016	15:25	2.2	W	20/06/2016	21:55	4	W	21/06/2016	04:25	0.4	W
20/06/2016	15:30	2.7	W	20/06/2016	22:00	2.2	W	21/06/2016	04:30	0.9	WSW
20/06/2016	15:35	2.2	W	20/06/2016	22:05	2.2	WNW	21/06/2016	04:35	1.8	WNW
20/06/2016	15:40	1.8	W	20/06/2016	22:10	1.8	W	21/06/2016	04:40	2.2	WNW
20/06/2016	15:45	1.3	NE	20/06/2016	22:15	2.2	W	21/06/2016	04:45	1.3	W
20/06/2016	15:50	2.2	WNW	20/06/2016	22:20	1.3	NNE	21/06/2016	04:50	1.8	W
20/06/2016	15:55	2.2	W	20/06/2016	22:25	1.8	E	21/06/2016	04:55	1.8	W
20/06/2016	16:00	3.1	W	20/06/2016	22:30	1.8	ENE	21/06/2016	05:00	0.9	NW
20/06/2016	16:05	2.2	W	20/06/2016	22:35	1.3	N	21/06/2016	05:05	0.9	WNW
20/06/2016	16:10	2.2	W	20/06/2016	22:40	1.8	ENE	21/06/2016	05:10	0.4	W
20/06/2016	16:15	1.8	SW	20/06/2016	22:45	0.9	N	21/06/2016	05:15	0.9	WSW
20/06/2016	16:20	1.3	W	20/06/2016	22:50	0.9	NE	21/06/2016	05:20	0.4	WSW
20/06/2016	16:25	1.8	W	20/06/2016	22:55	1.3	NE	21/06/2016	05:25	0.9	SW
20/06/2016	16:30	1.3	NNE	20/06/2016	23:00	1.3	ENE	21/06/2016	05:30	0.4	WSW
20/06/2016	16:35	1.8	E	20/06/2016	23:05	1.8	NNE	21/06/2016	05:35	0.9	SW
20/06/2016	16:40	1.8	ENE	20/06/2016	23:10	1.3	NNE	21/06/2016	05:40	1.3	SW
20/06/2016	16:45	1.3	N	20/06/2016	23:15	1.8	E	21/06/2016	05:45	0.9	SW
20/06/2016	16:50	1.8	ENE	20/06/2016	23:20	1.8	ENE	21/06/2016	05:50	0.9	SSW
20/06/2016	16:55	0.9	N	20/06/2016	23:25	1.3	N	21/06/2016	05:55	0.4	SW
20/06/2016	17:00	0.9	NE	20/06/2016	23:30	1.8	ENE	21/06/2016	06:00	0.9	SW
20/06/2016	17:05	1.3	NE	20/06/2016	23:35	0.9	N	21/06/2016	06:05	1.3	SW
20/06/2016	17:10	1.3	ENE	20/06/2016	23:40	0.9	NE	21/06/2016	06:10	0.9	SW
20/06/2016	17:15	1.8	NNE	20/06/2016	23:45	1.3	NE	21/06/2016	06:15	0.9	SSW
20/06/2016	17:20	0.9	SSW	20/06/2016	23:50	1.3	ENE	21/06/2016	06:20	1.8	NW
20/06/2016	17:25	0.9	SSW	20/06/2016	23:55	1.8	NNE	21/06/2016	06:25	1.8	NW
20/06/2016	17:30	1.8	ENE	21/06/2016	00:00	0.9	SSW	21/06/2016	06:30	1.3	NW
20/06/2016	17:35	0.9	N	21/06/2016	00:05	1.8	SW	21/06/2016	06:35	1.3	NW
20/06/2016	17:40	0.4	WNW	21/06/2016	00:10	1.8	SW	21/06/2016	06:40	1.8	NW
20/06/2016	17:45	0.4	WNW	21/06/2016	00:15	1.3	W	21/06/2016	06:45	1.8	NW
20/06/2016	17:50	1.3	NE	21/06/2016	00:20	1.3	W	21/06/2016	06:50	1.3	NW
20/06/2016	17:55	1.8	NNE	21/06/2016	00:25	2.2	W	21/06/2016	06:55	0.4	NW
20/06/2016	18:00	0.9	SSW	21/06/2016	00:30	2.2	WNW	21/06/2016	07:00	1.3	NW
20/06/2016	18:05	0.9	SSW	21/06/2016	00:35	1.3	WNW	21/06/2016	07:05	0.9	NW
20/06/2016	18:10	1.8	ENE	21/06/2016	00:40	1.3	WNW	21/06/2016	07:10	1.3	NNW
20/06/2016	18:15	0.9	N	21/06/2016	00:45	1.8	W	21/06/2016	07:15	1.3	NW
20/06/2016	18:20	0.4	WNW	21/06/2016	00:50	1.8	W	21/06/2016	07:20	1.3	NW
20/06/2016	18:25	0.4	WNW	21/06/2016	00:55	2.2	W	21/06/2016	07:25	1.3	NNW
20/06/2016	18:30	1.8	WSW	21/06/2016	01:00	2.2	W	21/06/2016	07:30	1.3	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
21/06/2016	07:35	0.9	NW	21/06/2016	14:05	0.9	SW	21/06/2016	20:35	0.9	NW
21/06/2016	07:40	0.9	NW	21/06/2016	14:10	0.9	SSW	21/06/2016	20:40	0.9	WNW
21/06/2016	07:45	1.3	N	21/06/2016	14:15	0.4	SW	21/06/2016	20:45	0.4	W
21/06/2016	07:50	0.4	WNW	21/06/2016	14:20	0.9	SW	21/06/2016	20:50	0.9	WSW
21/06/2016	07:55	0.4	NW	21/06/2016	14:25	0.9	WSW	21/06/2016	20:55	0.4	WSW
21/06/2016	08:00	0.4	NW	21/06/2016	14:30	0.4	WSW	21/06/2016	21:00	0.9	SW
21/06/2016	08:05	0.4	NW	21/06/2016	14:35	0.9	SW	21/06/2016	21:05	1.3	W
21/06/2016	08:10	0.9	NNW	21/06/2016	14:40	0.4	WSW	21/06/2016	21:10	1.8	W
21/06/2016	08:15	0.9	NNW	21/06/2016	14:45	0.9	SW	21/06/2016	21:15	1.8	W
21/06/2016	08:20	0.4	WNW	21/06/2016	14:50	1.3	SW	21/06/2016	21:20	0.9	NW
21/06/2016	08:25	1.3	WNW	21/06/2016	14:55	0.9	SW	21/06/2016	21:25	0.9	WNW
21/06/2016	08:30	1.3	N	21/06/2016	15:00	0.9	SSW	21/06/2016	21:30	0.4	W
21/06/2016	08:35	1.8	W	21/06/2016	15:05	0.9	NE	21/06/2016	21:35	0.9	WSW
21/06/2016	08:40	0.9	NW	21/06/2016	15:10	0.4	ENE	21/06/2016	21:40	0.4	WSW
21/06/2016	08:45	1.3	W	21/06/2016	15:15	0.9	NNE	21/06/2016	21:45	0.9	SW
21/06/2016	08:50	1.8	W	21/06/2016	15:20	1.3	NE	21/06/2016	21:50	0.4	WSW
21/06/2016	08:55	1.8	W	21/06/2016	15:25	0.4	ENE	21/06/2016	21:55	0.9	SW
21/06/2016	09:00	0.9	NW	21/06/2016	15:30	0.4	NE	21/06/2016	22:00	1.3	SW
21/06/2016	09:05	0.9	WNW	21/06/2016	15:35	0.9	NE	21/06/2016	22:05	0.9	SW
21/06/2016	09:10	0.4	W	21/06/2016	15:40	1.3	NE	21/06/2016	22:10	0.9	SSW
21/06/2016	09:15	0.9	WSW	21/06/2016	15:45	1.3	NE	21/06/2016	22:15	0.4	SW
21/06/2016	09:20	0.4	WSW	21/06/2016	15:50	1.3	NE	21/06/2016	22:20	0.9	SW
21/06/2016	09:25	0.9	SW	21/06/2016	15:55	1.3	NE	21/06/2016	22:25	1.3	ENE
21/06/2016	09:30	0.4	WSW	21/06/2016	16:00	1.3	NE	21/06/2016	22:30	0.9	NE
21/06/2016	09:35	0.9	SW	21/06/2016	16:05	0.9	N	21/06/2016	22:35	0.4	ENE
21/06/2016	09:40	1.3	SW	21/06/2016	16:10	1.3	N	21/06/2016	22:40	1.8	ENE
21/06/2016	09:45	0.9	SW	21/06/2016	16:15	1.3	NNW	21/06/2016	22:45	0.4	NE
21/06/2016	09:50	0.9	SSW	21/06/2016	16:20	1.3	N	21/06/2016	22:50	1.3	E
21/06/2016	09:55	0.4	SW	21/06/2016	16:25	0.4	N	21/06/2016	22:55	1.8	W
21/06/2016	10:00	0.9	SW	21/06/2016	16:30	0.4	N	21/06/2016	23:00	0.9	NW
21/06/2016	10:05	1.8	NNE	21/06/2016	16:35	1.8	W	21/06/2016	23:05	0.9	WNW
21/06/2016	10:10	1.3	NE	21/06/2016	16:40	0.9	NW	21/06/2016	23:10	0.4	W
21/06/2016	10:15	1.3	NE	21/06/2016	16:45	0.9	WNW	21/06/2016	23:15	0.9	WSW
21/06/2016	10:20	1.3	NE	21/06/2016	16:50	0.4	W	21/06/2016	23:20	0.4	WSW
21/06/2016	10:25	1.3	NNE	21/06/2016	16:55	0.9	WSW	21/06/2016	23:25	0.9	SW
21/06/2016	10:30	0.9	NE	21/06/2016	17:00	0.4	WSW	21/06/2016	23:30	0.4	WSW
21/06/2016	10:35	1.3	NNE	21/06/2016	17:05	1.3	W	21/06/2016	23:35	0.9	SW
21/06/2016	10:40	1.3	NE	21/06/2016	17:10	1.8	W	21/06/2016	23:40	1.3	SW
21/06/2016	10:45	1.8	N	21/06/2016	17:15	1.8	W	21/06/2016	23:45	0.9	SW
21/06/2016	10:50	1.8	N	21/06/2016	17:20	0.9	NW	21/06/2016	23:50	0.9	SSW
21/06/2016	10:55	0.9	N	21/06/2016	17:25	0.9	WNW	21/06/2016	23:55	0.9	ENE
21/06/2016	11:00	1.8	NNW	21/06/2016	17:30	0.4	W	22/06/2016	00:00	1.3	ENE
21/06/2016	11:05	1.8	N	21/06/2016	17:35	0.9	WSW	22/06/2016	00:05	0.9	NNE
21/06/2016	11:10	1.8	N	21/06/2016	17:40	0.4	WSW	22/06/2016	00:10	0.9	NNE
21/06/2016	11:15	2.2	N	21/06/2016	17:45	0.9	SW	22/06/2016	00:15	0.9	NNE
21/06/2016	11:20	1.8	NNE	21/06/2016	17:50	0.4	WSW	22/06/2016	00:20	0.9	ENE
21/06/2016	11:25	1.8	NNE	21/06/2016	17:55	0.9	SW	22/06/2016	00:25	0.9	NE
21/06/2016	11:30	1.8	NE	21/06/2016	18:00	1.3	SW	22/06/2016	00:30	0.9	ENE
21/06/2016	11:35	1.8	NNW	21/06/2016	18:05	0.9	SW	22/06/2016	00:35	0.9	NNE
21/06/2016	11:40	0.4	NW	21/06/2016	18:10	0.9	SSW	22/06/2016	00:40	0.9	NNE
21/06/2016	11:45	0.9	NNE	21/06/2016	18:15	0.4	SW	22/06/2016	00:45	0.9	ENE
21/06/2016	11:50	0.9	NNE	21/06/2016	18:20	0.9	SW	22/06/2016	00:50	0.9	ENE
21/06/2016	11:55	0.9	N	21/06/2016	18:25	1.3	W	22/06/2016	00:55	1.3	E
21/06/2016	12:00	0.9	N	21/06/2016	18:30	1.3	W	22/06/2016	01:00	1.3	ENE
21/06/2016	12:05	1.8	W	21/06/2016	18:35	1.3	WSW	22/06/2016	01:05	0.9	NE
21/06/2016	12:10	0.9	NW	21/06/2016	18:40	1.3	WSW	22/06/2016	01:10	0.4	ENE
21/06/2016	12:15	0.9	WNW	21/06/2016	18:45	0.9	W	22/06/2016	01:15	0.4	ESE
21/06/2016	12:20	0.4	W	21/06/2016	18:50	1.8	SW	22/06/2016	01:20	0.4	ENE
21/06/2016	12:25	0.9	WSW	21/06/2016	18:55	1.8	SW	22/06/2016	01:25	0.4	ENE
21/06/2016	12:30	0.4	WSW	21/06/2016	19:00	1.3	W	22/06/2016	01:30	0.4	NE
21/06/2016	12:35	0.9	SW	21/06/2016	19:05	1.3	W	22/06/2016	01:35	0.4	ENE
21/06/2016	12:40	0.4	WSW	21/06/2016	19:10	2.2	W	22/06/2016	01:40	0.4	W
21/06/2016	12:45	0.9	SW	21/06/2016	19:15	1.8	W	22/06/2016	01:45	0.4	W
21/06/2016	12:50	1.3	SW	21/06/2016	19:20	2.2	W	22/06/2016	01:50	3.1	WSW
21/06/2016	12:55	0.9	SW	21/06/2016	19:25	2.2	W	22/06/2016	01:55	2.2	WSW
21/06/2016	13:00	0.9	SSW	21/06/2016	19:30	1.8	W	22/06/2016	02:00	1.8	WSW
21/06/2016	13:05	1.3	W	21/06/2016	19:35	1.3	WSW	22/06/2016	02:05	1.3	SW
21/06/2016	13:10	1.8	W	21/06/2016	19:40	1.8	W	22/06/2016	02:10	1.3	WSW
21/06/2016	13:15	1.8	W	21/06/2016	19:45	2.2	W	22/06/2016	02:15	1.3	WSW
21/06/2016	13:20	0.9	NW	21/06/2016	19:50	1.8	W	22/06/2016	02:20	0.4	SW
21/06/2016	13:25	0.9	WNW	21/06/2016	19:55	1.8	W	22/06/2016	02:25	0.9	SW
21/06/2016	13:30	0.4	W	21/06/2016	20:00	0.9	NW	22/06/2016	02:30	0.4	SW
21/06/2016	13:35	0.9	WSW	21/06/2016	20:05	0.9	WNW	22/06/2016	02:35	0.4	SW
21/06/2016	13:40	0.4	WSW	21/06/2016	20:10	0.4	W	22/06/2016	02:40	0.4	SW
21/06/2016	13:45	0.9	SW	21/06/2016	20:15	0.9	WSW	22/06/2016	02:45	0.4	SW
21/06/2016	13:50	0.4	WSW	21/06/2016	20:20	0.4	WSW	22/06/2016	02:50	0.4	SW
21/06/2016	13:55	0.9	SW	21/06/2016	20:25	0.9	SW	22/06/2016	02:55	0.4	SW
21/06/2016	14:00	1.3	SW	21/06/2016	20:30	1.8	W	22/06/2016	03:00	0.9	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
22/06/2016	03:05	1.3	E	22/06/2016	09:35	2.7	NE	22/06/2016	16:05	3.1	WSW
22/06/2016	03:10	1.3	ENE	22/06/2016	09:40	2.2	NE	22/06/2016	16:10	2.2	WSW
22/06/2016	03:15	0.9	NE	22/06/2016	09:45	3.1	NE	22/06/2016	16:15	1.8	WSW
22/06/2016	03:20	0.4	ENE	22/06/2016	09:50	2.7	NE	22/06/2016	16:20	1.3	SW
22/06/2016	03:25	0.4	ESE	22/06/2016	09:55	2.2	NE	22/06/2016	16:25	1.3	WSW
22/06/2016	03:30	0.4	ENE	22/06/2016	10:00	2.7	NE	22/06/2016	16:30	2.2	WSW
22/06/2016	03:35	0.4	ENE	22/06/2016	10:05	3.6	NE	22/06/2016	16:35	1.8	WSW
22/06/2016	03:40	0.4	NE	22/06/2016	10:10	3.6	NE	22/06/2016	16:40	2.7	ENE
22/06/2016	03:45	0.4	ENE	22/06/2016	10:15	1.3	E	22/06/2016	16:45	2.7	ENE
22/06/2016	03:50	0.4	W	22/06/2016	10:20	1.3	ENE	22/06/2016	16:50	2.7	ENE
22/06/2016	03:55	0.4	W	22/06/2016	10:25	0.9	NE	22/06/2016	16:55	1.8	NE
22/06/2016	04:00	3.1	WSW	22/06/2016	10:30	0.4	ENE	22/06/2016	17:00	2.2	E
22/06/2016	04:05	2.2	WSW	22/06/2016	10:35	0.4	ESE	22/06/2016	17:05	2.2	E
22/06/2016	04:10	1.8	WSW	22/06/2016	10:40	0.4	ENE	22/06/2016	17:10	1.3	NNE
22/06/2016	04:15	0.4	ENE	22/06/2016	10:45	0.4	ENE	22/06/2016	17:15	2.2	NNE
22/06/2016	04:20	0.9	E	22/06/2016	10:50	0.4	NE	22/06/2016	17:20	0.4	NNW
22/06/2016	04:25	1.3	E	22/06/2016	10:55	0.4	ENE	22/06/2016	17:25	1.3	N
22/06/2016	04:30	0.4	ESE	22/06/2016	11:00	0.4	W	22/06/2016	17:30	1.8	NNW
22/06/2016	04:35	0.9	ENE	22/06/2016	11:05	1.3	E	22/06/2016	17:35	0.9	NNE
22/06/2016	04:40	0.9	NE	22/06/2016	11:10	1.3	ENE	22/06/2016	17:40	0.9	WNW
22/06/2016	04:45	1.3	E	22/06/2016	11:15	0.9	NE	22/06/2016	17:45	1.8	NE
22/06/2016	04:50	1.3	ENE	22/06/2016	11:20	0.4	ENE	22/06/2016	17:50	0.9	NNE
22/06/2016	04:55	0.9	NE	22/06/2016	11:25	0.4	ESE	22/06/2016	17:55	0.9	NNE
22/06/2016	05:00	0.4	ENE	22/06/2016	11:30	0.4	ENE	22/06/2016	18:00	1.3	E
22/06/2016	05:05	0.4	ESE	22/06/2016	11:35	0.4	ENE	22/06/2016	18:05	1.3	ENE
22/06/2016	05:10	0.4	ENE	22/06/2016	11:40	0.4	NE	22/06/2016	18:10	0.9	NE
22/06/2016	05:15	0.4	ENE	22/06/2016	11:45	0.4	ENE	22/06/2016	18:15	0.4	ENE
22/06/2016	05:20	0.4	NE	22/06/2016	11:50	0.4	W	22/06/2016	18:20	0.4	ESE
22/06/2016	05:25	0.4	ENE	22/06/2016	11:55	0.4	W	22/06/2016	18:25	0.4	ENE
22/06/2016	05:30	0.4	W	22/06/2016	12:00	3.1	WSW	22/06/2016	18:30	0.4	ENE
22/06/2016	05:35	0.4	W	22/06/2016	12:05	2.2	WSW	22/06/2016	18:35	0.4	NE
22/06/2016	05:40	3.1	WSW	22/06/2016	12:10	1.8	WSW	22/06/2016	18:40	0.4	ENE
22/06/2016	05:45	2.2	WSW	22/06/2016	12:15	1.3	SW	22/06/2016	18:45	0.4	W
22/06/2016	05:50	1.8	WSW	22/06/2016	12:20	1.3	WSW	22/06/2016	18:50	0.4	W
22/06/2016	05:55	1.3	SW	22/06/2016	12:25	1.8	E	22/06/2016	18:55	3.1	WSW
22/06/2016	06:00	1.3	WSW	22/06/2016	12:30	1.8	NE	22/06/2016	19:00	2.2	WSW
22/06/2016	06:05	0.4	W	22/06/2016	12:35	2.7	ENE	22/06/2016	19:05	1.8	WSW
22/06/2016	06:10	3.1	WSW	22/06/2016	12:40	2.2	E	22/06/2016	19:10	1.3	E
22/06/2016	06:15	2.2	WSW	22/06/2016	12:45	1.3	E	22/06/2016	19:15	1.3	ENE
22/06/2016	06:20	1.8	WSW	22/06/2016	12:50	1.3	ENE	22/06/2016	19:20	0.9	NE
22/06/2016	06:25	1.8	NE	22/06/2016	12:55	0.9	NE	22/06/2016	19:25	0.4	ENE
22/06/2016	06:30	1.3	ENE	22/06/2016	13:00	0.4	ENE	22/06/2016	19:30	0.4	ESE
22/06/2016	06:35	1.8	ENE	22/06/2016	13:05	0.4	ESE	22/06/2016	19:35	0.4	ENE
22/06/2016	06:40	2.2	NE	22/06/2016	13:10	0.4	ENE	22/06/2016	19:40	0.4	ENE
22/06/2016	06:45	1.8	NE	22/06/2016	13:15	0.4	ENE	22/06/2016	19:45	0.4	NE
22/06/2016	06:50	2.2	NE	22/06/2016	13:20	0.4	NE	22/06/2016	19:50	0.4	ENE
22/06/2016	06:55	1.8	NE	22/06/2016	13:25	0.4	ENE	22/06/2016	19:55	0.4	W
22/06/2016	07:00	1.8	NE	22/06/2016	13:30	0.4	W	22/06/2016	20:00	0.4	W
22/06/2016	07:05	0.9	NE	22/06/2016	13:35	0.4	W	22/06/2016	20:05	3.1	WSW
22/06/2016	07:10	0.9	NE	22/06/2016	13:40	3.1	WSW	22/06/2016	20:10	2.2	WSW
22/06/2016	07:15	0.9	NE	22/06/2016	13:45	2.2	WSW	22/06/2016	20:15	1.8	WSW
22/06/2016	07:20	1.8	NE	22/06/2016	13:50	1.8	WSW	22/06/2016	20:20	1.3	SW
22/06/2016	07:25	1.8	NE	22/06/2016	13:55	1.8	WSW	22/06/2016	20:25	1.3	WSW
22/06/2016	07:30	0.9	NE	22/06/2016	14:00	1.3	SW	22/06/2016	20:30	1.3	E
22/06/2016	07:35	0.9	NE	22/06/2016	14:05	1.3	WSW	22/06/2016	20:35	1.3	ENE
22/06/2016	07:40	0.9	NE	22/06/2016	14:10	1.3	WSW	22/06/2016	20:40	0.9	NE
22/06/2016	07:45	1.3	E	22/06/2016	14:15	0.9	NE	22/06/2016	20:45	0.4	ENE
22/06/2016	07:50	1.3	ENE	22/06/2016	14:20	1.3	N	22/06/2016	20:50	0.4	ESE
22/06/2016	07:55	0.9	NE	22/06/2016	14:25	2.2	NE	22/06/2016	20:55	0.4	ENE
22/06/2016	08:00	0.4	ENE	22/06/2016	14:30	1.8	E	22/06/2016	21:00	0.4	ENE
22/06/2016	08:05	0.4	ESE	22/06/2016	14:35	2.7	ENE	22/06/2016	21:05	0.4	NE
22/06/2016	08:10	0.4	ENE	22/06/2016	14:40	2.7	ENE	22/06/2016	21:10	0.4	ENE
22/06/2016	08:15	0.4	ENE	22/06/2016	14:45	2.7	ENE	22/06/2016	21:15	0.4	W
22/06/2016	08:20	0.4	NE	22/06/2016	14:50	1.8	NE	22/06/2016	21:20	0.4	W
22/06/2016	08:25	0.4	ENE	22/06/2016	14:55	2.2	E	22/06/2016	21:25	3.1	WSW
22/06/2016	08:30	0.4	W	22/06/2016	15:00	2.2	E	22/06/2016	21:30	2.2	WSW
22/06/2016	08:35	0.4	W	22/06/2016	15:05	1.3	E	22/06/2016	21:35	1.8	WSW
22/06/2016	08:40	3.1	WSW	22/06/2016	15:10	1.3	E	22/06/2016	21:40	2.2	NNE
22/06/2016	08:45	2.2	WSW	22/06/2016	15:15	1.3	ENE	22/06/2016	21:45	0.9	NE
22/06/2016	08:50	1.8	WSW	22/06/2016	15:20	0.9	NE	22/06/2016	21:50	3.1	ENE
22/06/2016	08:55	3.6	NE	22/06/2016	15:25	0.4	ENE	22/06/2016	21:55	3.1	ENE
22/06/2016	09:00	2.7	E	22/06/2016	15:30	0.4	ESE	22/06/2016	22:00	5.4	ENE
22/06/2016	09:05	1.8	E	22/06/2016	15:35	0.4	ENE	22/06/2016	22:05	4	ENE
22/06/2016	09:10	1.8	E	22/06/2016	15:40	0.4	ENE	22/06/2016	22:10	4.9	ENE
22/06/2016	09:15	1.8	NE	22/06/2016	15:45	0.4	NE	22/06/2016	22:15	4	ENE
22/06/2016	09:20	2.7	ENE	22/06/2016	15:50	0.4	ENE	22/06/2016	22:20	4.9	NE
22/06/2016	09:25	2.2	E	22/06/2016	15:55	0.4	W	22/06/2016	22:25	1.3	E
22/06/2016	09:30	2.7	ENE	22/06/2016	16:00	0.4	W	22/06/2016	22:30	1.3	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
22/06/2016	22:35	0.9	NE	23/06/2016	05:05	5.8	ENE	23/06/2016	11:35	4	E
22/06/2016	22:40	0.4	ENE	23/06/2016	05:10	5.8	ENE	23/06/2016	11:40	3.1	ENE
22/06/2016	22:45	0.4	ESE	23/06/2016	05:15	6.3	ENE	23/06/2016	11:45	4.9	ENE
22/06/2016	22:50	0.4	ENE	23/06/2016	05:20	5.4	E	23/06/2016	11:50	4	ENE
22/06/2016	22:55	0.4	ENE	23/06/2016	05:25	5.4	ENE	23/06/2016	11:55	4	E
22/06/2016	23:00	0.4	NE	23/06/2016	05:30	4.9	E	23/06/2016	12:00	4.5	E
22/06/2016	23:05	0.4	ENE	23/06/2016	05:35	5.4	ENE	23/06/2016	12:05	4.5	ENE
22/06/2016	23:10	0.4	W	23/06/2016	05:40	5.8	ENE	23/06/2016	12:10	3.1	ENE
22/06/2016	23:15	0.4	W	23/06/2016	05:45	3.1	E	23/06/2016	12:15	1.8	E
22/06/2016	23:20	3.1	WSW	23/06/2016	05:50	2.2	ENE	23/06/2016	12:20	2.2	ENE
22/06/2016	23:25	2.2	WSW	23/06/2016	05:55	2.2	ENE	23/06/2016	12:25	3.1	E
22/06/2016	23:30	1.8	WSW	23/06/2016	06:00	2.7	ENE	23/06/2016	12:30	2.2	E
22/06/2016	23:35	1.3	SW	23/06/2016	06:05	1.8	ENE	23/06/2016	12:35	2.2	ENE
22/06/2016	23:40	1.3	WSW	23/06/2016	06:10	3.1	ENE	23/06/2016	12:40	2.2	ENE
22/06/2016	23:45	0.4	W	23/06/2016	06:15	2.2	E	23/06/2016	12:45	3.1	E
22/06/2016	23:50	3.1	WSW	23/06/2016	06:20	0.9	E	23/06/2016	12:50	2.7	ENE
22/06/2016	23:55	2.2	WSW	23/06/2016	06:25	0.9	E	23/06/2016	12:55	0.9	E
23/06/2016	00:00	1.8	WSW	23/06/2016	06:30	0.4	ENE	23/06/2016	13:00	0.9	E
23/06/2016	00:05	6.3	NE	23/06/2016	06:35	0.9	ENE	23/06/2016	13:05	0.4	ENE
23/06/2016	00:10	6.3	ENE	23/06/2016	06:40	1.3	E	23/06/2016	13:10	0.9	ENE
23/06/2016	00:15	5.8	ENE	23/06/2016	06:45	2.2	NE	23/06/2016	13:15	1.3	E
23/06/2016	00:20	6.3	ENE	23/06/2016	06:50	2.2	NE	23/06/2016	13:20	2.2	NE
23/06/2016	00:25	0.9	E	23/06/2016	06:55	0.9	ENE	23/06/2016	13:25	2.2	NE
23/06/2016	00:30	0.9	E	23/06/2016	07:00	1.3	ENE	23/06/2016	13:30	0.9	ENE
23/06/2016	00:35	0.4	ENE	23/06/2016	07:05	1.3	ENE	23/06/2016	13:35	1.3	ENE
23/06/2016	00:40	0.9	ENE	23/06/2016	07:10	0.9	ENE	23/06/2016	13:40	2.2	ENE
23/06/2016	00:45	1.3	E	23/06/2016	07:15	0.9	NE	23/06/2016	13:45	2.7	ENE
23/06/2016	00:50	2.2	NE	23/06/2016	07:20	1.8	ENE	23/06/2016	13:50	1.8	ENE
23/06/2016	00:55	2.2	NE	23/06/2016	07:25	1.3	NE	23/06/2016	13:55	3.1	ENE
23/06/2016	01:00	0.9	ENE	23/06/2016	07:30	1.3	NNE	23/06/2016	14:00	2.2	E
23/06/2016	01:05	1.3	ENE	23/06/2016	07:35	1.8	ENE	23/06/2016	14:05	0.9	E
23/06/2016	01:10	1.3	E	23/06/2016	07:40	3.1	ENE	23/06/2016	14:10	0.9	E
23/06/2016	01:15	2.2	NE	23/06/2016	07:45	3.1	ENE	23/06/2016	14:15	0.4	ENE
23/06/2016	01:20	2.2	NE	23/06/2016	07:50	0.9	ENE	23/06/2016	14:20	0.9	ENE
23/06/2016	01:25	0.9	ENE	23/06/2016	07:55	1.3	ENE	23/06/2016	14:25	1.3	E
23/06/2016	01:30	1.3	ENE	23/06/2016	08:00	1.8	ENE	23/06/2016	14:30	2.2	NE
23/06/2016	01:35	5.8	ENE	23/06/2016	08:05	3.1	E	23/06/2016	14:35	2.2	NE
23/06/2016	01:40	4.9	ENE	23/06/2016	08:10	3.6	ENE	23/06/2016	14:40	0.9	ENE
23/06/2016	01:45	5.8	ENE	23/06/2016	08:15	1.8	ENE	23/06/2016	14:45	1.3	ENE
23/06/2016	01:50	0.9	E	23/06/2016	08:20	3.1	ENE	23/06/2016	14:50	2.2	E
23/06/2016	01:55	0.9	E	23/06/2016	08:25	2.2	E	23/06/2016	14:55	2.2	NE
23/06/2016	02:00	0.4	ENE	23/06/2016	08:30	0.9	E	23/06/2016	15:00	1.8	NE
23/06/2016	02:05	0.9	ENE	23/06/2016	08:35	0.9	E	23/06/2016	15:05	2.7	NE
23/06/2016	02:10	1.3	E	23/06/2016	08:40	0.4	ENE	23/06/2016	15:10	1.8	E
23/06/2016	02:15	2.2	NE	23/06/2016	08:45	0.9	ENE	23/06/2016	15:15	2.7	ENE
23/06/2016	02:20	2.2	NE	23/06/2016	08:50	1.3	ENE	23/06/2016	15:20	2.2	ENE
23/06/2016	02:25	0.9	ENE	23/06/2016	08:55	1.3	ENE	23/06/2016	15:25	3.1	E
23/06/2016	02:30	1.3	ENE	23/06/2016	09:00	0.9	ENE	23/06/2016	15:30	1.3	NE
23/06/2016	02:35	4.9	ENE	23/06/2016	09:05	0.9	NE	23/06/2016	15:35	2.2	ENE
23/06/2016	02:40	5.4	ENE	23/06/2016	09:10	3.1	ENE	23/06/2016	15:40	1.3	ENE
23/06/2016	02:45	5.8	ENE	23/06/2016	09:15	2.7	E	23/06/2016	15:45	1.3	E
23/06/2016	02:50	5.4	E	23/06/2016	09:20	4	ENE	23/06/2016	15:50	1.8	NE
23/06/2016	02:55	4	ENE	23/06/2016	09:25	4	E	23/06/2016	15:55	1.8	ENE
23/06/2016	03:00	3.6	ENE	23/06/2016	09:30	4	E	23/06/2016	16:00	1.3	NE
23/06/2016	03:05	4.5	E	23/06/2016	09:35	3.6	ENE	23/06/2016	16:05	0.4	NE
23/06/2016	03:10	4.9	E	23/06/2016	09:40	0.9	E	23/06/2016	16:10	0.9	E
23/06/2016	03:15	2.2	ENE	23/06/2016	09:45	0.9	E	23/06/2016	16:15	0.9	E
23/06/2016	03:20	2.7	ENE	23/06/2016	09:50	0.4	ENE	23/06/2016	16:20	0.4	ENE
23/06/2016	03:25	1.8	ENE	23/06/2016	09:55	0.9	ENE	23/06/2016	16:25	0.9	ENE
23/06/2016	03:30	3.1	ENE	23/06/2016	10:00	1.3	E	23/06/2016	16:30	1.3	E
23/06/2016	03:35	2.2	E	23/06/2016	10:05	2.2	NE	23/06/2016	16:35	2.2	NE
23/06/2016	03:40	0.9	E	23/06/2016	10:10	2.2	NE	23/06/2016	16:40	2.2	NE
23/06/2016	03:45	0.9	E	23/06/2016	10:15	0.9	ENE	23/06/2016	16:45	0.9	ENE
23/06/2016	03:50	0.4	ENE	23/06/2016	10:20	1.3	ENE	23/06/2016	16:50	1.3	ENE
23/06/2016	03:55	0.9	ENE	23/06/2016	10:25	3.1	ENE	23/06/2016	16:55	1.3	NNW
23/06/2016	04:00	1.3	E	23/06/2016	10:30	2.2	E	23/06/2016	17:00	0.9	E
23/06/2016	04:05	2.2	NE	23/06/2016	10:35	0.9	E	23/06/2016	17:05	1.3	ENE
23/06/2016	04:10	2.2	NE	23/06/2016	10:40	0.9	E	23/06/2016	17:10	1.3	ENE
23/06/2016	04:15	0.9	ENE	23/06/2016	10:45	0.4	ENE	23/06/2016	17:15	1.3	ENE
23/06/2016	04:20	1.3	ENE	23/06/2016	10:50	0.9	ENE	23/06/2016	17:20	1.3	ENE
23/06/2016	04:25	3.6	ENE	23/06/2016	10:55	1.3	E	23/06/2016	17:25	2.2	ENE
23/06/2016	04:30	4	ENE	23/06/2016	11:00	2.2	NE	23/06/2016	17:30	2.7	ENE
23/06/2016	04:35	5.4	ENE	23/06/2016	11:05	2.2	NE	23/06/2016	17:35	1.8	ENE
23/06/2016	04:40	5.4	ENE	23/06/2016	11:10	0.9	ENE	23/06/2016	17:40	3.1	ENE
23/06/2016	04:45	5.4	E	23/06/2016	11:15	1.3	ENE	23/06/2016	17:45	2.2	E
23/06/2016	04:50	4.9	E	23/06/2016	11:20	3.6	ENE	23/06/2016	17:50	0.9	E
23/06/2016	04:55	4	E	23/06/2016	11:25	3.1	E	23/06/2016	17:55	0.9	E
23/06/2016	05:00	5.8	ENE	23/06/2016	11:30	3.1	E	23/06/2016	18:00	0.4	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
23/06/2016	18:05	0.9	ENE	24/06/2016	00:35	1.3	ENE	24/06/2016	07:05	1.3	ENE
23/06/2016	18:10	0.9	E	24/06/2016	00:40	1.3	NE	24/06/2016	07:10	0.4	ESE
23/06/2016	18:15	0.9	E	24/06/2016	00:45	1.8	NE	24/06/2016	07:15	4	NE
23/06/2016	18:20	0.4	ENE	24/06/2016	00:50	1.8	NE	24/06/2016	07:20	3.1	NE
23/06/2016	18:25	0.9	ENE	24/06/2016	00:55	1.3	NE	24/06/2016	07:25	4.5	ENE
23/06/2016	18:30	1.3	E	24/06/2016	01:00	1.3	NNE	24/06/2016	07:30	4.5	NE
23/06/2016	18:35	2.2	NE	24/06/2016	01:05	1.8	NNE	24/06/2016	07:35	4.5	ENE
23/06/2016	18:40	2.2	NE	24/06/2016	01:10	0.9	NNE	24/06/2016	07:40	3.6	NE
23/06/2016	18:45	0.9	ENE	24/06/2016	01:15	2.2	E	24/06/2016	07:45	2.2	NE
23/06/2016	18:50	1.3	ENE	24/06/2016	01:20	2.2	NE	24/06/2016	07:50	0.9	ENE
23/06/2016	18:55	1.3	NNE	24/06/2016	01:25	2.2	E	24/06/2016	07:55	1.3	ENE
23/06/2016	19:00	1.3	NE	24/06/2016	01:30	0.9	NE	24/06/2016	08:00	1.3	NE
23/06/2016	19:05	0.9	NE	24/06/2016	01:35	0.9	NE	24/06/2016	08:05	1.8	NE
23/06/2016	19:10	0.4	NE	24/06/2016	01:40	0.9	E	24/06/2016	08:10	1.8	NE
23/06/2016	19:15	0.9	E	24/06/2016	01:45	1.8	E	24/06/2016	08:15	1.3	NE
23/06/2016	19:20	1.3	ENE	24/06/2016	01:50	2.2	NE	24/06/2016	08:20	1.3	NNE
23/06/2016	19:25	1.8	NE	24/06/2016	01:55	2.2	NE	24/06/2016	08:25	1.8	NNE
23/06/2016	19:30	1.8	NE	24/06/2016	02:00	3.1	NE	24/06/2016	08:30	0.9	NNE
23/06/2016	19:35	1.8	NNE	24/06/2016	02:05	2.2	NE	24/06/2016	08:35	2.2	E
23/06/2016	19:40	1.3	NNE	24/06/2016	02:10	2.2	E	24/06/2016	08:40	2.2	NE
23/06/2016	19:45	1.3	NNE	24/06/2016	02:15	2.2	E	24/06/2016	08:45	2.2	E
23/06/2016	19:50	1.8	NE	24/06/2016	02:20	2.7	E	24/06/2016	08:50	0.9	NE
23/06/2016	19:55	1.3	NE	24/06/2016	02:25	1.8	ENE	24/06/2016	08:55	0.9	NE
23/06/2016	20:00	0.9	NNE	24/06/2016	02:30	2.2	NE	24/06/2016	09:00	0.9	E
23/06/2016	20:05	1.3	NE	24/06/2016	02:35	2.2	NE	24/06/2016	09:05	1.8	NNE
23/06/2016	20:10	0.9	NE	24/06/2016	02:40	2.2	NE	24/06/2016	09:10	1.8	NNE
23/06/2016	20:15	0.4	NE	24/06/2016	02:45	0.9	ENE	24/06/2016	09:15	1.8	NNE
23/06/2016	20:20	0.4	NE	24/06/2016	02:50	1.3	ENE	24/06/2016	09:20	1.3	NNE
23/06/2016	20:25	0.4	ENE	24/06/2016	02:55	1.3	NE	24/06/2016	09:25	0.9	N
23/06/2016	20:30	0.4	ENE	24/06/2016	03:00	1.8	NE	24/06/2016	09:30	1.3	N
23/06/2016	20:35	0.9	ENE	24/06/2016	03:05	0.9	ENE	24/06/2016	09:35	1.3	NNW
23/06/2016	20:40	0.9	ENE	24/06/2016	03:10	1.3	ENE	24/06/2016	09:40	0.9	NNW
23/06/2016	20:45	0.9	NE	24/06/2016	03:15	1.3	NE	24/06/2016	09:45	0.9	NNE
23/06/2016	20:50	0.9	NE	24/06/2016	03:20	1.8	NE	24/06/2016	09:50	0.4	NNE
23/06/2016	20:55	2.2	ENE	24/06/2016	03:25	1.8	NE	24/06/2016	09:55	1.3	NNE
23/06/2016	21:00	2.7	ENE	24/06/2016	03:30	1.3	NE	24/06/2016	10:00	0.9	N
23/06/2016	21:05	1.8	ENE	24/06/2016	03:35	1.3	NNE	24/06/2016	10:05	1.3	N
23/06/2016	21:10	0.9	E	24/06/2016	03:40	1.8	NNE	24/06/2016	10:10	1.3	NE
23/06/2016	21:15	0.9	E	24/06/2016	03:45	0.9	NNE	24/06/2016	10:15	0.9	ENE
23/06/2016	21:20	0.4	ENE	24/06/2016	03:50	2.2	E	24/06/2016	10:20	0.9	ENE
23/06/2016	21:25	0.9	ENE	24/06/2016	03:55	2.2	NE	24/06/2016	10:25	1.3	ENE
23/06/2016	21:30	1.3	E	24/06/2016	04:00	2.2	E	24/06/2016	10:30	1.3	NE
23/06/2016	21:35	2.2	NE	24/06/2016	04:05	0.9	NE	24/06/2016	10:35	1.8	NE
23/06/2016	21:40	2.2	NE	24/06/2016	04:10	0.9	NE	24/06/2016	10:40	1.8	NE
23/06/2016	21:45	0.9	ENE	24/06/2016	04:15	0.9	E	24/06/2016	10:45	1.3	NE
23/06/2016	21:50	1.3	ENE	24/06/2016	04:20	2.2	NE	24/06/2016	10:50	1.3	NNE
23/06/2016	21:55	0.9	ENE	24/06/2016	04:25	2.2	E	24/06/2016	10:55	1.8	NNE
23/06/2016	22:00	1.3	ENE	24/06/2016	04:30	2.2	E	24/06/2016	11:00	0.9	NNE
23/06/2016	22:05	0.9	NE	24/06/2016	04:35	2.7	E	24/06/2016	11:05	2.2	E
23/06/2016	22:10	0.4	NE	24/06/2016	04:40	1.8	ENE	24/06/2016	11:10	2.2	NE
23/06/2016	22:15	0.4	NE	24/06/2016	04:45	1.3	ENE	24/06/2016	11:15	2.2	E
23/06/2016	22:20	0.4	ENE	24/06/2016	04:50	0.4	ESE	24/06/2016	11:20	0.9	NE
23/06/2016	22:25	0.4	ENE	24/06/2016	04:55	1.8	WNW	24/06/2016	11:25	0.9	NE
23/06/2016	22:30	0.9	ENE	24/06/2016	05:00	1.3	W	24/06/2016	11:30	0.9	E
23/06/2016	22:35	0.9	ENE	24/06/2016	05:05	0.9	NW	24/06/2016	11:35	2.2	NE
23/06/2016	22:40	1.3	NE	24/06/2016	05:10	0.9	ENE	24/06/2016	11:40	1.8	NNE
23/06/2016	22:45	1.3	NNE	24/06/2016	05:15	1.3	ENE	24/06/2016	11:45	1.8	NNE
23/06/2016	22:50	2.2	ENE	24/06/2016	05:20	1.3	NE	24/06/2016	11:50	1.8	NNE
23/06/2016	22:55	2.7	ENE	24/06/2016	05:25	1.8	NE	24/06/2016	11:55	1.8	NNE
23/06/2016	23:00	0.9	E	24/06/2016	05:30	1.8	NE	24/06/2016	12:00	1.8	NNE
23/06/2016	23:05	0.9	E	24/06/2016	05:35	1.3	NE	24/06/2016	12:05	1.8	NNE
23/06/2016	23:10	0.4	ENE	24/06/2016	05:40	1.3	NNE	24/06/2016	12:10	0.9	NNW
23/06/2016	23:15	0.9	ENE	24/06/2016	05:45	1.8	NNE	24/06/2016	12:15	0.9	NNE
23/06/2016	23:20	1.3	E	24/06/2016	05:50	0.9	NNE	24/06/2016	12:20	0.4	NNE
23/06/2016	23:25	2.2	NE	24/06/2016	05:55	2.2	E	24/06/2016	12:25	1.3	NNE
23/06/2016	23:30	2.2	NE	24/06/2016	06:00	2.2	NE	24/06/2016	12:30	0.9	N
23/06/2016	23:35	0.9	ENE	24/06/2016	06:05	2.2	E	24/06/2016	12:35	0.9	ENE
23/06/2016	23:40	1.3	ENE	24/06/2016	06:10	0.9	NE	24/06/2016	12:40	1.3	ENE
23/06/2016	23:45	2.2	NE	24/06/2016	06:15	0.9	NE	24/06/2016	12:45	1.3	NE
23/06/2016	23:50	0.9	ENE	24/06/2016	06:20	1.8	NE	24/06/2016	12:50	1.8	NE
23/06/2016	23:55	1.3	ENE	24/06/2016	06:25	1.3	ENE	24/06/2016	12:55	1.8	NE
24/06/2016	00:00	2.7	ENE	24/06/2016	06:30	2.2	ENE	24/06/2016	13:00	1.3	NE
24/06/2016	00:05	2.7	NE	24/06/2016	06:35	3.1	ENE	24/06/2016	13:05	1.3	NNE
24/06/2016	00:10	2.2	NE	24/06/2016	06:40	2.2	NE	24/06/2016	13:10	1.8	NNE
24/06/2016	00:15	2.2	NE	24/06/2016	06:45	2.2	E	24/06/2016	13:15	0.9	NNE
24/06/2016	00:20	2.2	NE	24/06/2016	06:50	2.2	E	24/06/2016	13:20	2.2	E
24/06/2016	00:25	3.1	NE	24/06/2016	06:55	2.7	E	24/06/2016	13:25	2.2	NE
24/06/2016	00:30	0.9	ENE	24/06/2016	07:00	1.8	ENE	24/06/2016	13:30	2.2	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
24/06/2016	13:35	0.9	NE	24/06/2016	20:05	1.8	NE	25/06/2016	02:35	1.3	ENE
24/06/2016	13:40	0.9	NE	24/06/2016	20:10	1.8	NE	25/06/2016	02:40	0.4	ENE
24/06/2016	13:45	0.9	E	24/06/2016	20:15	1.3	NE	25/06/2016	02:45	0.4	E
24/06/2016	13:50	0.9	NE	24/06/2016	20:20	1.3	NNE	25/06/2016	02:50	2.2	E
24/06/2016	13:55	0.9	NE	24/06/2016	20:25	1.8	NNE	25/06/2016	02:55	2.2	E
24/06/2016	14:00	1.8	WNW	24/06/2016	20:30	0.9	NNE	25/06/2016	03:00	1.8	E
24/06/2016	14:05	2.7	WNW	24/06/2016	20:35	2.2	E	25/06/2016	03:05	2.2	ENE
24/06/2016	14:10	3.6	WNW	24/06/2016	20:40	2.2	NE	25/06/2016	03:10	1.8	E
24/06/2016	14:15	3.6	W	24/06/2016	20:45	2.2	E	25/06/2016	03:15	1.3	ENE
24/06/2016	14:20	3.1	W	24/06/2016	20:50	0.9	NE	25/06/2016	03:20	0.4	ENE
24/06/2016	14:25	4	W	24/06/2016	20:55	0.9	NE	25/06/2016	03:25	0.4	E
24/06/2016	14:30	4	WSW	24/06/2016	21:00	0.9	E	25/06/2016	03:30	0.4	NW
24/06/2016	14:35	4	WSW	24/06/2016	21:05	0.9	ENE	25/06/2016	03:35	0.4	WSW
24/06/2016	14:40	3.1	W	24/06/2016	21:10	0.9	NE	25/06/2016	03:40	0.4	WSW
24/06/2016	14:45	3.6	W	24/06/2016	21:15	1.3	NE	25/06/2016	03:45	0.4	WSW
24/06/2016	14:50	3.1	W	24/06/2016	21:20	1.3	NE	25/06/2016	03:50	2.2	E
24/06/2016	14:55	3.6	W	24/06/2016	21:25	1.3	NE	25/06/2016	03:55	2.2	E
24/06/2016	15:00	2.7	W	24/06/2016	21:30	0.9	ENE	25/06/2016	04:00	1.8	E
24/06/2016	15:05	0.9	ENE	24/06/2016	21:35	1.3	ENE	25/06/2016	04:05	2.2	ENE
24/06/2016	15:10	1.3	ENE	24/06/2016	21:40	1.3	NE	25/06/2016	04:10	2.7	ENE
24/06/2016	15:15	1.3	NE	24/06/2016	21:45	1.8	NE	25/06/2016	04:15	2.2	E
24/06/2016	15:20	1.8	NE	24/06/2016	21:50	0.9	ENE	25/06/2016	04:20	1.8	W
24/06/2016	15:25	1.8	NE	24/06/2016	21:55	1.3	ENE	25/06/2016	04:25	1.8	NW
24/06/2016	15:30	1.3	NE	24/06/2016	22:00	1.3	NE	25/06/2016	04:30	0.9	NW
24/06/2016	15:35	1.3	NNE	24/06/2016	22:05	1.8	NE	25/06/2016	04:35	0.9	W
24/06/2016	15:40	1.8	NNE	24/06/2016	22:10	1.8	NE	25/06/2016	04:40	0.9	NW
24/06/2016	15:45	0.9	NNE	24/06/2016	22:15	1.3	NE	25/06/2016	04:45	1.3	NNW
24/06/2016	15:50	2.2	E	24/06/2016	22:20	1.3	NNE	25/06/2016	04:50	1.8	NNE
24/06/2016	15:55	2.2	NE	24/06/2016	22:25	1.8	NNE	25/06/2016	04:55	1.8	NNE
24/06/2016	16:00	2.2	E	24/06/2016	22:30	0.9	NNE	25/06/2016	05:00	1.3	NNW
24/06/2016	16:05	0.9	NE	24/06/2016	22:35	2.2	E	25/06/2016	05:05	2.2	WNW
24/06/2016	16:10	0.9	NE	24/06/2016	22:40	2.2	NE	25/06/2016	05:10	1.3	NNW
24/06/2016	16:15	0.9	E	24/06/2016	22:45	2.2	E	25/06/2016	05:15	0.4	SW
24/06/2016	16:20	1.8	NE	24/06/2016	22:50	0.9	NE	25/06/2016	05:20	0.9	E
24/06/2016	16:25	1.8	NE	24/06/2016	22:55	0.9	NE	25/06/2016	05:25	0.9	NE
24/06/2016	16:30	1.3	NE	24/06/2016	23:00	0.9	E	25/06/2016	05:30	1.3	ENE
24/06/2016	16:35	1.3	NNE	24/06/2016	23:05	1.8	NW	25/06/2016	05:35	2.7	NE
24/06/2016	16:40	1.8	NNE	24/06/2016	23:10	0.9	NNE	25/06/2016	05:40	2.7	NE
24/06/2016	16:45	0.9	NNE	24/06/2016	23:15	3.6	E	25/06/2016	05:45	1.8	E
24/06/2016	16:50	2.2	E	24/06/2016	23:20	4.9	ENE	25/06/2016	05:50	1.3	ENE
24/06/2016	16:55	2.2	NE	24/06/2016	23:25	3.6	NE	25/06/2016	05:55	0.4	ENE
24/06/2016	17:00	2.2	E	24/06/2016	23:30	4	NE	25/06/2016	06:00	0.4	E
24/06/2016	17:05	0.9	NE	24/06/2016	23:35	3.6	NNE	25/06/2016	06:05	0.4	NW
24/06/2016	17:10	0.9	NE	24/06/2016	23:40	4.5	NNE	25/06/2016	06:10	0.4	WSW
24/06/2016	17:15	1.3	WSW	24/06/2016	23:45	0.9	WNW	25/06/2016	06:15	0.4	WSW
24/06/2016	17:20	0.9	ENE	24/06/2016	23:50	0.9	WSW	25/06/2016	06:20	0.4	WSW
24/06/2016	17:25	1.3	ENE	24/06/2016	23:55	1.8	W	25/06/2016	06:25	1.8	E
24/06/2016	17:30	1.3	NE	25/06/2016	00:00	1.8	WNW	25/06/2016	06:30	1.3	ENE
24/06/2016	17:35	1.8	NE	25/06/2016	00:05	0.4	SW	25/06/2016	06:35	0.4	ENE
24/06/2016	17:40	1.8	NE	25/06/2016	00:10	0.9	E	25/06/2016	06:40	0.4	E
24/06/2016	17:45	1.3	NE	25/06/2016	00:15	0.9	NE	25/06/2016	06:45	0.4	NW
24/06/2016	17:50	1.3	NNE	25/06/2016	00:20	1.3	ENE	25/06/2016	06:50	0.4	WSW
24/06/2016	17:55	1.8	NNE	25/06/2016	00:25	2.7	NE	25/06/2016	06:55	0.4	WSW
24/06/2016	18:00	0.9	NNE	25/06/2016	00:30	2.7	NE	25/06/2016	07:00	0.4	WSW
24/06/2016	18:05	2.2	E	25/06/2016	00:35	1.8	E	25/06/2016	07:05	2.2	E
24/06/2016	18:10	2.2	NE	25/06/2016	00:40	1.3	ENE	25/06/2016	07:10	2.2	E
24/06/2016	18:15	2.2	E	25/06/2016	00:45	0.4	ENE	25/06/2016	07:15	1.8	E
24/06/2016	18:20	0.9	NE	25/06/2016	00:50	0.4	E	25/06/2016	07:20	2.2	ENE
24/06/2016	18:25	0.9	NE	25/06/2016	00:55	0.4	NW	25/06/2016	07:25	2.7	ENE
24/06/2016	18:30	0.9	E	25/06/2016	01:00	0.4	WSW	25/06/2016	07:30	2.2	E
24/06/2016	18:35	0.9	NE	25/06/2016	01:05	0.4	WSW	25/06/2016	07:35	2.7	ENE
24/06/2016	18:40	1.3	NE	25/06/2016	01:10	0.4	WSW	25/06/2016	07:40	2.2	NE
24/06/2016	18:45	0.9	ENE	25/06/2016	01:15	2.2	E	25/06/2016	07:45	2.2	NE
24/06/2016	18:50	1.3	ENE	25/06/2016	01:20	2.2	E	25/06/2016	07:50	2.7	ENE
24/06/2016	18:55	1.3	NE	25/06/2016	01:25	1.8	E	25/06/2016	07:55	2.7	E
24/06/2016	19:00	1.8	NE	25/06/2016	01:30	2.2	ENE	25/06/2016	08:00	1.8	E
24/06/2016	19:05	1.8	NE	25/06/2016	01:35	2.7	ENE	25/06/2016	08:05	2.2	NE
24/06/2016	19:10	1.3	NE	25/06/2016	01:40	2.2	E	25/06/2016	08:10	2.7	NNE
24/06/2016	19:15	1.3	NNE	25/06/2016	01:45	0.9	NE	25/06/2016	08:15	2.7	E
24/06/2016	19:20	1.8	NNE	25/06/2016	01:50	0.9	ENE	25/06/2016	08:20	2.2	NNE
24/06/2016	19:25	0.9	NNE	25/06/2016	01:55	0.9	ENE	25/06/2016	08:25	3.6	ENE
24/06/2016	19:30	2.2	E	25/06/2016	02:00	0.9	ENE	25/06/2016	08:30	2.7	ENE
24/06/2016	19:35	2.2	NE	25/06/2016	02:05	0.4	ENE	25/06/2016	08:35	2.2	ENE
24/06/2016	19:40	2.2	E	25/06/2016	02:10	0.9	ENE	25/06/2016	08:40	2.7	ENE
24/06/2016	19:45	0.9	NE	25/06/2016	02:15	0.9	ENE	25/06/2016	08:45	2.2	ENE
24/06/2016	19:50	0.9	ENE	25/06/2016	02:20	2.7	NE	25/06/2016	08:50	2.7	ENE
24/06/2016	19:55	1.3	ENE	25/06/2016	02:25	2.7	NE	25/06/2016	08:55	2.2	ENE
24/06/2016	20:00	1.3	NE	25/06/2016	02:30	1.8	E	25/06/2016	09:00	2.2	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
25/06/2016	09:05	2.7	ENE	25/06/2016	15:35	2.2	N	25/06/2016	22:05	1.8	E
25/06/2016	09:10	1.8	E	25/06/2016	15:40	2.2	NE	25/06/2016	22:10	1.3	ENE
25/06/2016	09:15	1.3	ENE	25/06/2016	15:45	2.7	NE	25/06/2016	22:15	0.4	ENE
25/06/2016	09:20	0.4	ENE	25/06/2016	15:50	2.2	NNE	25/06/2016	22:20	0.4	E
25/06/2016	09:25	0.4	E	25/06/2016	15:55	2.2	E	25/06/2016	22:25	0.4	NW
25/06/2016	09:30	0.4	NW	25/06/2016	16:00	2.2	ENE	25/06/2016	22:30	0.4	WSW
25/06/2016	09:35	0.4	WSW	25/06/2016	16:05	2.2	ENE	25/06/2016	22:35	0.4	WSW
25/06/2016	09:40	0.4	WSW	25/06/2016	16:10	2.7	E	25/06/2016	22:40	1.8	E
25/06/2016	09:45	0.4	WSW	25/06/2016	16:15	1.8	E	25/06/2016	22:45	1.3	ENE
25/06/2016	09:50	2.2	E	25/06/2016	16:20	1.3	ENE	25/06/2016	22:50	0.4	ENE
25/06/2016	09:55	2.2	E	25/06/2016	16:25	1.3	NE	25/06/2016	22:55	0.4	E
25/06/2016	10:00	1.8	E	25/06/2016	16:30	1.3	N	25/06/2016	23:00	0.4	NW
25/06/2016	10:05	2.2	ENE	25/06/2016	16:35	1.8	NNE	25/06/2016	23:05	0.4	WSW
25/06/2016	10:10	2.7	ENE	25/06/2016	16:40	1.3	E	25/06/2016	23:10	0.4	WSW
25/06/2016	10:15	2.2	E	25/06/2016	16:45	2.2	ENE	25/06/2016	23:15	0.4	WSW
25/06/2016	10:20	1.3	ENE	25/06/2016	16:50	1.8	NE	25/06/2016	23:20	2.2	E
25/06/2016	10:25	0.4	ENE	25/06/2016	16:55	1.8	E	25/06/2016	23:25	2.2	E
25/06/2016	10:30	0.4	E	25/06/2016	17:00	1.3	ENE	25/06/2016	23:30	1.8	E
25/06/2016	10:35	0.4	NW	25/06/2016	17:05	0.4	ENE	25/06/2016	23:35	2.2	ENE
25/06/2016	10:40	0.4	WSW	25/06/2016	17:10	0.4	E	25/06/2016	23:40	2.7	ENE
25/06/2016	10:45	0.4	WSW	25/06/2016	17:15	0.4	NW	25/06/2016	23:45	2.2	E
25/06/2016	10:50	0.4	WSW	25/06/2016	17:20	0.4	WSW	25/06/2016	23:50	1.3	NNW
25/06/2016	10:55	2.2	E	25/06/2016	17:25	0.4	WSW	25/06/2016	23:55	0.4	NNW
25/06/2016	11:00	2.7	E	25/06/2016	17:30	0.4	WSW	26/06/2016	00:00	0.9	NNW
25/06/2016	11:05	1.3	E	25/06/2016	17:35	2.2	E	26/06/2016	00:05	1.8	NNW
25/06/2016	11:10	1.3	NE	25/06/2016	17:40	2.2	E	26/06/2016	00:10	2.2	NNE
25/06/2016	11:15	1.3	NE	25/06/2016	17:45	1.8	E	26/06/2016	00:15	2.7	NE
25/06/2016	11:20	2.2	ENE	25/06/2016	17:50	2.2	ENE	26/06/2016	00:20	2.2	ENE
25/06/2016	11:25	1.8	E	25/06/2016	17:55	2.7	ENE	26/06/2016	00:25	2.2	ENE
25/06/2016	11:30	1.3	ENE	25/06/2016	18:00	2.2	E	26/06/2016	00:30	1.3	ESE
25/06/2016	11:35	0.4	ENE	25/06/2016	18:05	1.8	E	26/06/2016	00:35	0.4	ESE
25/06/2016	11:40	0.4	E	25/06/2016	18:10	1.3	ENE	26/06/2016	00:40	0.4	ESE
25/06/2016	11:45	0.4	NW	25/06/2016	18:15	0.4	ENE	26/06/2016	00:45	0.4	NE
25/06/2016	11:50	0.4	WSW	25/06/2016	18:20	0.4	E	26/06/2016	00:50	0.4	E
25/06/2016	11:55	0.4	WSW	25/06/2016	18:25	0.4	NW	26/06/2016	00:55	0.9	NE
25/06/2016	12:00	0.4	WSW	25/06/2016	18:30	0.4	WSW	26/06/2016	01:00	1.3	ENE
25/06/2016	12:05	2.2	E	25/06/2016	18:35	0.4	WSW	26/06/2016	01:05	2.2	E
25/06/2016	12:10	2.2	E	25/06/2016	18:40	0.4	WSW	26/06/2016	01:10	0.9	ENE
25/06/2016	12:15	1.8	E	25/06/2016	18:45	2.2	E	26/06/2016	01:15	0.9	NE
25/06/2016	12:20	2.2	ENE	25/06/2016	18:50	2.7	E	26/06/2016	01:20	2.2	NE
25/06/2016	12:25	2.7	ENE	25/06/2016	18:55	1.8	E	26/06/2016	01:25	2.2	NE
25/06/2016	12:30	2.2	E	25/06/2016	19:00	1.3	ENE	26/06/2016	01:30	2.2	NE
25/06/2016	12:35	1.3	NE	25/06/2016	19:05	1.3	NE	26/06/2016	01:35	2.7	NE
25/06/2016	12:40	1.8	NE	25/06/2016	19:10	1.3	N	26/06/2016	01:40	2.7	NE
25/06/2016	12:45	0.9	ENE	25/06/2016	19:15	1.8	NNE	26/06/2016	01:45	3.1	ENE
25/06/2016	12:50	1.3	NE	25/06/2016	19:20	1.3	NNE	26/06/2016	01:50	3.1	NE
25/06/2016	12:55	1.3	NE	25/06/2016	19:25	1.8	E	26/06/2016	01:55	2.7	ENE
25/06/2016	13:00	1.8	NE	25/06/2016	19:30	1.3	ENE	26/06/2016	02:00	3.6	ENE
25/06/2016	13:05	2.2	NE	25/06/2016	19:35	0.4	ENE	26/06/2016	02:05	3.1	ENE
25/06/2016	13:10	2.7	ENE	25/06/2016	19:40	0.4	E	26/06/2016	02:10	2.7	ENE
25/06/2016	13:15	2.2	NE	25/06/2016	19:45	0.4	NW	26/06/2016	02:15	2.2	ENE
25/06/2016	13:20	2.2	NNE	25/06/2016	19:50	0.4	WSW	26/06/2016	02:20	2.7	E
25/06/2016	13:25	1.8	E	25/06/2016	19:55	0.4	WSW	26/06/2016	02:25	1.8	E
25/06/2016	13:30	1.3	ENE	25/06/2016	20:00	0.4	WSW	26/06/2016	02:30	2.2	E
25/06/2016	13:35	0.4	ENE	25/06/2016	20:05	2.2	E	26/06/2016	02:35	1.8	ENE
25/06/2016	13:40	0.4	E	25/06/2016	20:10	2.2	E	26/06/2016	02:40	1.3	ENE
25/06/2016	13:45	0.4	NW	25/06/2016	20:15	1.8	E	26/06/2016	02:45	1.8	NNW
25/06/2016	13:50	0.4	WSW	25/06/2016	20:20	2.2	ENE	26/06/2016	02:50	2.2	NNE
25/06/2016	13:55	0.4	WSW	25/06/2016	20:25	2.7	ENE	26/06/2016	02:55	2.7	NE
25/06/2016	14:00	0.4	WSW	25/06/2016	20:30	2.2	E	26/06/2016	03:00	2.2	ENE
25/06/2016	14:05	2.2	E	25/06/2016	20:35	0.4	WSW	26/06/2016	03:05	2.2	ENE
25/06/2016	14:10	2.2	E	25/06/2016	20:40	0.4	WSW	26/06/2016	03:10	1.3	ESE
25/06/2016	14:15	1.8	E	25/06/2016	20:45	0.4	WSW	26/06/2016	03:15	0.4	ESE
25/06/2016	14:20	2.2	ENE	25/06/2016	20:50	0.4	WSW	26/06/2016	03:20	0.4	ESE
25/06/2016	14:25	2.7	ENE	25/06/2016	20:55	0.4	WSW	26/06/2016	03:25	0.4	NE
25/06/2016	14:30	2.2	E	25/06/2016	21:00	0.4	WSW	26/06/2016	03:30	0.4	E
25/06/2016	14:35	0.4	NW	25/06/2016	21:05	0.4	WSW	26/06/2016	03:35	0.9	NE
25/06/2016	14:40	0.4	WSW	25/06/2016	21:10	0.4	WSW	26/06/2016	03:40	1.3	ENE
25/06/2016	14:45	0.4	WSW	25/06/2016	21:15	0.4	WSW	26/06/2016	03:45	2.2	E
25/06/2016	14:50	0.4	WSW	25/06/2016	21:20	0.4	WSW	26/06/2016	03:50	2.7	NE
25/06/2016	14:55	2.2	E	25/06/2016	21:25	0.4	WSW	26/06/2016	03:55	1.8	NNW
25/06/2016	15:00	1.8	NNE	25/06/2016	21:30	0.9	WSW	26/06/2016	04:00	2.2	NNE
25/06/2016	15:05	2.7	E	25/06/2016	21:35	0.4	SW	26/06/2016	04:05	2.7	NE
25/06/2016	15:10	1.8	ENE	25/06/2016	21:40	0.9	E	26/06/2016	04:10	2.2	ENE
25/06/2016	15:15	0.9	NNW	25/06/2016	21:45	0.9	NE	26/06/2016	04:15	2.2	ENE
25/06/2016	15:20	1.3	NNE	25/06/2016	21:50	1.3	ENE	26/06/2016	04:20	1.3	ESE
25/06/2016	15:25	2.7	NE	25/06/2016	21:55	2.7	NE	26/06/2016	04:25	0.4	ESE
25/06/2016	15:30	2.2	NNE	25/06/2016	22:00	2.7	NE	26/06/2016	04:30	0.4	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
26/06/2016	04:35	0.4	NE	26/06/2016	11:05	0.9	NE	26/06/2016	17:35	1.3	ENE
26/06/2016	04:40	0.4	E	26/06/2016	11:10	2.2	NE	26/06/2016	17:40	2.2	E
26/06/2016	04:45	0.9	NE	26/06/2016	11:15	4	E	26/06/2016	17:45	0.9	ENE
26/06/2016	04:50	1.3	ENE	26/06/2016	11:20	2.2	ENE	26/06/2016	17:50	0.9	NE
26/06/2016	04:55	2.2	E	26/06/2016	11:25	4	NE	26/06/2016	17:55	2.2	NE
26/06/2016	05:00	0.9	ENE	26/06/2016	11:30	2.7	NE	26/06/2016	18:00	1.3	WSW
26/06/2016	05:05	0.9	NE	26/06/2016	11:35	2.7	NE	26/06/2016	18:05	1.8	W
26/06/2016	05:10	2.2	NE	26/06/2016	11:40	3.1	NE	26/06/2016	18:10	0.9	W
26/06/2016	05:15	2.2	ENE	26/06/2016	11:45	1.8	NNW	26/06/2016	18:15	0.4	W
26/06/2016	05:20	1.8	ENE	26/06/2016	11:50	2.2	NNE	26/06/2016	18:20	0.9	WNW
26/06/2016	05:25	2.2	E	26/06/2016	11:55	2.7	NE	26/06/2016	18:25	0.9	WNW
26/06/2016	05:30	2.2	ENE	26/06/2016	12:00	2.2	ENE	26/06/2016	18:30	1.3	WSW
26/06/2016	05:35	2.7	ENE	26/06/2016	12:05	2.2	ENE	26/06/2016	18:35	1.8	W
26/06/2016	05:40	2.2	E	26/06/2016	12:10	1.3	ESE	26/06/2016	18:40	1.3	WNW
26/06/2016	05:45	2.2	E	26/06/2016	12:15	0.4	ESE	26/06/2016	18:45	1.8	NNW
26/06/2016	05:50	2.7	ENE	26/06/2016	12:20	0.4	ESE	26/06/2016	18:50	2.2	NNE
26/06/2016	05:55	2.2	ENE	26/06/2016	12:25	0.4	NE	26/06/2016	18:55	2.7	NE
26/06/2016	06:00	1.8	NNW	26/06/2016	12:30	0.4	E	26/06/2016	19:00	2.2	ENE
26/06/2016	06:05	2.2	NNE	26/06/2016	12:35	0.9	NE	26/06/2016	19:05	1.8	NNW
26/06/2016	06:10	2.7	NE	26/06/2016	12:40	1.3	ENE	26/06/2016	19:10	2.2	NNE
26/06/2016	06:15	2.2	ENE	26/06/2016	12:45	2.2	E	26/06/2016	19:15	2.7	NE
26/06/2016	06:20	2.2	ENE	26/06/2016	12:50	3.1	NE	26/06/2016	19:20	2.2	ENE
26/06/2016	06:25	1.3	ESE	26/06/2016	12:55	3.1	NE	26/06/2016	19:25	2.2	ENE
26/06/2016	06:30	0.4	ESE	26/06/2016	13:00	3.1	NE	26/06/2016	19:30	1.3	ESE
26/06/2016	06:35	0.4	ESE	26/06/2016	13:05	3.1	NE	26/06/2016	19:35	0.4	ESE
26/06/2016	06:40	1.8	NNW	26/06/2016	13:10	1.8	NNW	26/06/2016	19:40	0.4	ESE
26/06/2016	06:45	2.2	NNE	26/06/2016	13:15	2.2	NNE	26/06/2016	19:45	0.4	NE
26/06/2016	06:50	2.7	NE	26/06/2016	13:20	2.7	NE	26/06/2016	19:50	0.4	E
26/06/2016	06:55	2.2	ENE	26/06/2016	13:25	2.2	ENE	26/06/2016	19:55	0.9	NE
26/06/2016	07:00	2.2	ENE	26/06/2016	13:30	2.2	ENE	26/06/2016	20:00	1.3	ENE
26/06/2016	07:05	1.3	ESE	26/06/2016	13:35	1.3	ESE	26/06/2016	20:05	2.2	E
26/06/2016	07:10	0.4	ESE	26/06/2016	13:40	0.4	ESE	26/06/2016	20:10	0.9	ENE
26/06/2016	07:15	0.4	ESE	26/06/2016	13:45	0.4	ESE	26/06/2016	20:15	0.9	NE
26/06/2016	07:20	0.4	NE	26/06/2016	13:50	0.4	NE	26/06/2016	20:20	2.2	NE
26/06/2016	07:25	0.4	E	26/06/2016	13:55	0.4	E	26/06/2016	20:25	1.3	W
26/06/2016	07:30	0.9	NE	26/06/2016	14:00	0.9	NE	26/06/2016	20:30	1.3	WSW
26/06/2016	07:35	1.3	ENE	26/06/2016	14:05	1.3	ENE	26/06/2016	20:35	1.8	W
26/06/2016	07:40	2.2	E	26/06/2016	14:10	2.2	E	26/06/2016	20:40	0.4	NNW
26/06/2016	07:45	0.9	ENE	26/06/2016	14:15	0.9	ENE	26/06/2016	20:45	1.3	NW
26/06/2016	07:50	0.9	NE	26/06/2016	14:20	0.9	NE	26/06/2016	20:50	1.8	NNW
26/06/2016	07:55	2.2	NE	26/06/2016	14:25	2.2	NE	26/06/2016	20:55	2.2	NNE
26/06/2016	08:00	1.8	E	26/06/2016	14:30	1.8	ESE	26/06/2016	21:00	2.7	NE
26/06/2016	08:05	3.1	NE	26/06/2016	14:35	2.2	ENE	26/06/2016	21:05	2.2	ENE
26/06/2016	08:10	4	NE	26/06/2016	14:40	2.2	ENE	26/06/2016	21:10	2.2	ENE
26/06/2016	08:15	3.1	ENE	26/06/2016	14:45	1.8	NE	26/06/2016	21:15	1.3	ESE
26/06/2016	08:20	4	E	26/06/2016	14:50	1.8	NNE	26/06/2016	21:20	0.4	ESE
26/06/2016	08:25	2.2	ENE	26/06/2016	14:55	3.1	NE	26/06/2016	21:25	0.4	ESE
26/06/2016	08:30	4	NE	26/06/2016	15:00	1.8	NNW	26/06/2016	21:30	0.4	NE
26/06/2016	08:35	2.7	NE	26/06/2016	15:05	2.2	NNE	26/06/2016	21:35	0.4	E
26/06/2016	08:40	2.7	NE	26/06/2016	15:10	2.7	NE	26/06/2016	21:40	0.9	NE
26/06/2016	08:45	2.7	NE	26/06/2016	15:15	2.2	ENE	26/06/2016	21:45	1.3	ENE
26/06/2016	08:50	3.1	NE	26/06/2016	15:20	2.2	ENE	26/06/2016	21:50	2.2	E
26/06/2016	08:55	3.6	NE	26/06/2016	15:25	1.3	ESE	26/06/2016	21:55	0.9	ENE
26/06/2016	09:00	3.6	ENE	26/06/2016	15:30	0.4	ESE	26/06/2016	22:00	0.9	NE
26/06/2016	09:05	3.1	ENE	26/06/2016	15:35	0.4	ESE	26/06/2016	22:05	2.2	NE
26/06/2016	09:10	3.1	E	26/06/2016	15:40	0.4	NE	26/06/2016	22:10	0.4	W
26/06/2016	09:15	3.1	ENE	26/06/2016	15:45	0.4	E	26/06/2016	22:15	0.4	W
26/06/2016	09:20	2.7	NE	26/06/2016	15:50	0.9	NE	26/06/2016	22:20	0.4	W
26/06/2016	09:25	3.1	NE	26/06/2016	15:55	1.3	ENE	26/06/2016	22:25	0.4	E
26/06/2016	09:30	1.8	NNW	26/06/2016	16:00	2.2	E	26/06/2016	22:30	0.4	NNE
26/06/2016	09:35	2.2	NNE	26/06/2016	16:05	2.2	WNW	26/06/2016	22:35	1.8	NNW
26/06/2016	09:40	2.7	NE	26/06/2016	16:10	2.7	WSW	26/06/2016	22:40	2.2	NNE
26/06/2016	09:45	2.2	ENE	26/06/2016	16:15	1.3	W	26/06/2016	22:45	2.7	NE
26/06/2016	09:50	2.2	ENE	26/06/2016	16:20	1.3	NW	26/06/2016	22:50	2.2	ENE
26/06/2016	09:55	1.8	NNW	26/06/2016	16:25	2.2	WNW	26/06/2016	22:55	2.2	ENE
26/06/2016	10:00	2.2	NNE	26/06/2016	16:30	2.2	W	26/06/2016	23:00	1.3	ESE
26/06/2016	10:05	2.7	NE	26/06/2016	16:35	1.3	WSW	26/06/2016	23:05	0.4	ESE
26/06/2016	10:10	2.2	ENE	26/06/2016	16:40	1.8	NNW	26/06/2016	23:10	0.4	ESE
26/06/2016	10:15	2.2	ENE	26/06/2016	16:45	2.2	NNE	26/06/2016	23:15	0.4	NE
26/06/2016	10:20	1.3	ESE	26/06/2016	16:50	2.7	NE	26/06/2016	23:20	0.4	E
26/06/2016	10:25	0.4	ESE	26/06/2016	16:55	2.2	ENE	26/06/2016	23:25	0.9	NE
26/06/2016	10:30	0.4	ESE	26/06/2016	17:00	2.2	ENE	26/06/2016	23:30	1.3	ENE
26/06/2016	10:35	0.4	NE	26/06/2016	17:05	1.3	ESE	26/06/2016	23:35	2.2	E
26/06/2016	10:40	0.4	E	26/06/2016	17:10	0.4	ESE	26/06/2016	23:40	0.9	ENE
26/06/2016	10:45	0.9	NE	26/06/2016	17:15	0.4	ESE	26/06/2016	23:45	0.9	NE
26/06/2016	10:50	1.3	ENE	26/06/2016	17:20	0.4	NE	26/06/2016	23:50	2.2	NE
26/06/2016	10:55	2.2	E	26/06/2016	17:25	0.4	E	26/06/2016	23:55	0.4	E
26/06/2016	11:00	0.9	ENE	26/06/2016	17:30	0.9	NE	27/06/2016	00:00	0.4	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
27/06/2016	00:05	0.9	SSW	27/06/2016	06:35	1.3	NE	27/06/2016	13:05	1.8	W
27/06/2016	00:10	0.9	SSW	27/06/2016	06:40	2.2	NE	27/06/2016	13:10	2.2	W
27/06/2016	00:15	0.4	W	27/06/2016	06:45	2.7	NE	27/06/2016	13:15	1.3	NW
27/06/2016	00:20	0.9	W	27/06/2016	06:50	2.2	W	27/06/2016	13:20	2.2	W
27/06/2016	00:25	0.4	WNW	27/06/2016	06:55	1.3	NW	27/06/2016	13:25	1.3	WNW
27/06/2016	00:30	0.4	WNW	27/06/2016	07:00	2.2	W	27/06/2016	13:30	1.3	WNW
27/06/2016	00:35	0.4	WNW	27/06/2016	07:05	1.3	WNW	27/06/2016	13:35	1.8	NNW
27/06/2016	00:40	0.4	WNW	27/06/2016	07:10	1.3	WNW	27/06/2016	13:40	2.2	NNE
27/06/2016	00:45	1.3	WSW	27/06/2016	07:15	0.4	E	27/06/2016	13:45	2.2	NNE
27/06/2016	00:50	0.9	W	27/06/2016	07:20	1.3	N	27/06/2016	13:50	1.8	N
27/06/2016	00:55	1.3	W	27/06/2016	07:25	1.8	ENE	27/06/2016	13:55	1.3	N
27/06/2016	01:00	0.4	W	27/06/2016	07:30	1.3	ENE	27/06/2016	14:00	1.3	N
27/06/2016	01:05	0.4	NE	27/06/2016	07:35	0.9	ENE	27/06/2016	14:05	1.3	N
27/06/2016	01:10	0.4	W	27/06/2016	07:40	0.9	NE	27/06/2016	14:10	1.3	N
27/06/2016	01:15	0.4	W	27/06/2016	07:45	0.9	NE	27/06/2016	14:15	1.3	NNE
27/06/2016	01:20	0.4	NW	27/06/2016	07:50	0.4	NE	27/06/2016	14:20	1.8	N
27/06/2016	01:25	1.3	NE	27/06/2016	07:55	0.4	W	27/06/2016	14:25	1.8	NNE
27/06/2016	01:30	2.2	NE	27/06/2016	08:00	0.9	W	27/06/2016	14:30	2.2	NNE
27/06/2016	01:35	2.7	NE	27/06/2016	08:05	0.4	WNW	27/06/2016	14:35	2.2	NNE
27/06/2016	01:40	2.7	E	27/06/2016	08:10	0.4	WNW	27/06/2016	14:40	2.2	N
27/06/2016	01:45	3.1	NE	27/06/2016	08:15	0.4	WNW	27/06/2016	14:45	1.8	N
27/06/2016	01:50	3.1	ENE	27/06/2016	08:20	0.4	WNW	27/06/2016	14:50	1.8	NW
27/06/2016	01:55	2.7	NE	27/06/2016	08:25	1.3	WSW	27/06/2016	14:55	0.9	N
27/06/2016	02:00	3.1	NE	27/06/2016	08:30	0.9	W	27/06/2016	15:00	1.3	NNE
27/06/2016	02:05	3.1	ENE	27/06/2016	08:35	1.3	W	27/06/2016	15:05	1.3	NNE
27/06/2016	02:10	3.6	NE	27/06/2016	08:40	0.4	W	27/06/2016	15:10	2.2	NE
27/06/2016	02:15	4	NE	27/06/2016	08:45	0.4	NE	27/06/2016	15:15	1.8	NNE
27/06/2016	02:20	4	WNW	27/06/2016	08:50	0.4	W	27/06/2016	15:20	2.2	NNE
27/06/2016	02:25	0.4	SW	27/06/2016	08:55	0.4	W	27/06/2016	15:25	0.4	W
27/06/2016	02:30	0.4	SW	27/06/2016	09:00	0.4	NW	27/06/2016	15:30	0.9	W
27/06/2016	02:35	0.9	SSW	27/06/2016	09:05	1.3	NE	27/06/2016	15:35	0.4	WNW
27/06/2016	02:40	0.4	W	27/06/2016	09:10	2.2	NE	27/06/2016	15:40	0.4	WNW
27/06/2016	02:45	0.9	W	27/06/2016	09:15	0.9	W	27/06/2016	15:45	0.4	WNW
27/06/2016	02:50	0.4	WNW	27/06/2016	09:20	1.3	W	27/06/2016	15:50	0.4	WNW
27/06/2016	02:55	1.3	WSW	27/06/2016	09:25	0.4	W	27/06/2016	15:55	1.3	WSW
27/06/2016	03:00	0.9	W	27/06/2016	09:30	0.4	NE	27/06/2016	16:00	0.9	W
27/06/2016	03:05	1.3	W	27/06/2016	09:35	0.4	W	27/06/2016	16:05	1.3	W
27/06/2016	03:10	0.4	W	27/06/2016	09:40	0.4	W	27/06/2016	16:10	0.4	W
27/06/2016	03:15	0.4	NE	27/06/2016	09:45	0.4	NW	27/06/2016	16:15	0.4	NE
27/06/2016	03:20	0.4	W	27/06/2016	09:50	1.3	NE	27/06/2016	16:20	0.4	W
27/06/2016	03:25	0.4	W	27/06/2016	09:55	2.2	NE	27/06/2016	16:25	0.4	W
27/06/2016	03:30	0.4	NW	27/06/2016	10:00	2.7	NE	27/06/2016	16:30	0.4	NW
27/06/2016	03:35	1.3	NE	27/06/2016	10:05	2.7	ENE	27/06/2016	16:35	1.3	NE
27/06/2016	03:40	2.2	NE	27/06/2016	10:10	2.7	NE	27/06/2016	16:40	2.2	NE
27/06/2016	03:45	2.7	NE	27/06/2016	10:15	3.6	NE	27/06/2016	16:45	2.7	ENE
27/06/2016	03:50	0.4	SSW	27/06/2016	10:20	2.7	NNE	27/06/2016	16:50	2.7	NE
27/06/2016	03:55	0.4	SSW	27/06/2016	10:25	2.2	NE	27/06/2016	16:55	1.8	N
27/06/2016	04:00	0.4	SSW	27/06/2016	10:30	2.7	NE	27/06/2016	17:00	1.3	N
27/06/2016	04:05	0.4	SSW	27/06/2016	10:35	1.8	NE	27/06/2016	17:05	1.3	N
27/06/2016	04:10	0.4	W	27/06/2016	10:40	3.1	NE	27/06/2016	17:10	1.3	N
27/06/2016	04:15	0.9	W	27/06/2016	10:45	2.2	N	27/06/2016	17:15	1.3	N
27/06/2016	04:20	0.4	WNW	27/06/2016	10:50	2.7	N	27/06/2016	17:20	1.3	NNE
27/06/2016	04:25	0.4	WNW	27/06/2016	10:55	1.8	N	27/06/2016	17:25	1.8	N
27/06/2016	04:30	0.4	WNW	27/06/2016	11:00	1.8	N	27/06/2016	17:30	1.8	NNE
27/06/2016	04:35	0.4	WNW	27/06/2016	11:05	1.8	NNE	27/06/2016	17:35	1.3	NNE
27/06/2016	04:40	1.3	WSW	27/06/2016	11:10	2.2	NNE	27/06/2016	17:40	2.2	NE
27/06/2016	04:45	0.9	W	27/06/2016	11:15	2.2	N	27/06/2016	17:45	1.8	NNE
27/06/2016	04:50	1.3	W	27/06/2016	11:20	2.2	N	27/06/2016	17:50	2.2	NNE
27/06/2016	04:55	0.4	W	27/06/2016	11:25	1.3	NW	27/06/2016	17:55	2.7	NE
27/06/2016	05:00	0.4	NE	27/06/2016	11:30	3.1	W	27/06/2016	18:00	2.2	N
27/06/2016	05:05	0.4	W	27/06/2016	11:35	1.8	NNE	27/06/2016	18:05	2.2	NNE
27/06/2016	05:10	0.4	W	27/06/2016	11:40	0.4	W	27/06/2016	18:10	2.7	NE
27/06/2016	05:15	0.4	NW	27/06/2016	11:45	0.9	W	27/06/2016	18:15	3.1	ENE
27/06/2016	05:20	1.3	NE	27/06/2016	11:50	0.4	WNW	27/06/2016	18:20	2.7	ENE
27/06/2016	05:25	2.2	NE	27/06/2016	11:55	0.4	WNW	27/06/2016	18:25	1.3	WSW
27/06/2016	05:30	1.3	NW	27/06/2016	12:00	0.4	WNW	27/06/2016	18:30	0.9	W
27/06/2016	05:35	2.2	W	27/06/2016	12:05	0.4	WNW	27/06/2016	18:35	1.3	W
27/06/2016	05:40	1.3	WNW	27/06/2016	12:10	1.3	WSW	27/06/2016	18:40	0.4	W
27/06/2016	05:45	1.3	WNW	27/06/2016	12:15	0.9	W	27/06/2016	18:45	0.4	NE
27/06/2016	05:50	0.4	E	27/06/2016	12:20	1.3	W	27/06/2016	18:50	0.4	W
27/06/2016	05:55	1.3	WSW	27/06/2016	12:25	0.4	W	27/06/2016	18:55	0.4	W
27/06/2016	06:00	0.9	W	27/06/2016	12:30	0.4	NE	27/06/2016	19:00	0.9	W
27/06/2016	06:05	1.3	W	27/06/2016	12:35	0.4	W	27/06/2016	19:05	0.4	WNW
27/06/2016	06:10	0.4	W	27/06/2016	12:40	0.4	W	27/06/2016	19:10	0.4	WNW
27/06/2016	06:15	0.4	NE	27/06/2016	12:45	0.4	NW	27/06/2016	19:15	0.4	WNW
27/06/2016	06:20	0.4	W	27/06/2016	12:50	1.3	NE	27/06/2016	19:20	0.4	WNW
27/06/2016	06:25	0.4	W	27/06/2016	12:55	2.2	NE	27/06/2016	19:25	1.3	WSW
27/06/2016	06:30	0.4	NW	27/06/2016	13:00	2.7	NE	27/06/2016	19:30	0.9	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
27/06/2016	19:35	1.3	W	28/06/2016	02:05	0.9	SW	28/06/2016	08:35	1.8	NE
27/06/2016	19:40	0.4	W	28/06/2016	02:10	0.9	SW	28/06/2016	08:40	1.3	NE
27/06/2016	19:45	0.4	NE	28/06/2016	02:15	0.9	SW	28/06/2016	08:45	1.8	NE
27/06/2016	19:50	0.4	W	28/06/2016	02:20	0.4	SW	28/06/2016	08:50	1.8	ENE
27/06/2016	19:55	0.4	W	28/06/2016	02:25	0.4	SW	28/06/2016	08:55	1.8	NNE
27/06/2016	20:00	0.4	NW	28/06/2016	02:30	1.3	W	28/06/2016	09:00	0.9	NNE
27/06/2016	20:05	1.3	NE	28/06/2016	02:35	1.3	W	28/06/2016	09:05	1.8	NNE
27/06/2016	20:10	2.2	NE	28/06/2016	02:40	0.4	ESE	28/06/2016	09:10	1.8	NNE
27/06/2016	20:15	1.8	SW	28/06/2016	02:45	1.8	NE	28/06/2016	09:15	2.2	NE
27/06/2016	20:20	1.8	WSW	28/06/2016	02:50	0.9	NNE	28/06/2016	09:20	0.4	SW
27/06/2016	20:25	1.8	NW	28/06/2016	02:55	1.8	ESE	28/06/2016	09:25	0.4	SSW
27/06/2016	20:30	0.9	NNW	28/06/2016	03:00	1.8	ENE	28/06/2016	09:30	0.4	SW
27/06/2016	20:35	0.9	SSW	28/06/2016	03:05	1.8	NNE	28/06/2016	09:35	0.4	SW
27/06/2016	20:40	0.9	SSW	28/06/2016	03:10	0.9	NNE	28/06/2016	09:40	0.4	SW
27/06/2016	20:45	1.8	NE	28/06/2016	03:15	1.8	NNE	28/06/2016	09:45	0.4	SW
27/06/2016	20:50	1.8	NE	28/06/2016	03:20	1.8	NNE	28/06/2016	09:50	0.4	ESE
27/06/2016	20:55	1.3	NE	28/06/2016	03:25	2.2	NE	28/06/2016	09:55	0.9	SW
27/06/2016	21:00	0.4	NE	28/06/2016	03:30	0.4	SW	28/06/2016	10:00	0.9	SW
27/06/2016	21:05	0.4	NE	28/06/2016	03:35	0.4	SSW	28/06/2016	10:05	1.8	ENE
27/06/2016	21:10	0.4	WSW	28/06/2016	03:40	0.4	SW	28/06/2016	10:10	2.2	NE
27/06/2016	21:15	1.3	WSW	28/06/2016	03:45	0.4	SW	28/06/2016	10:15	0.4	SW
27/06/2016	21:20	2.2	WSW	28/06/2016	03:50	0.4	SW	28/06/2016	10:20	2.7	ENE
27/06/2016	21:25	1.3	WSW	28/06/2016	03:55	0.4	SW	28/06/2016	10:25	2.2	ENE
27/06/2016	21:30	0.9	W	28/06/2016	04:00	0.4	ESE	28/06/2016	10:30	2.7	NE
27/06/2016	21:35	1.3	W	28/06/2016	04:05	0.9	SW	28/06/2016	10:35	1.8	ENE
27/06/2016	21:40	0.4	W	28/06/2016	04:10	0.9	SW	28/06/2016	10:40	1.8	NNE
27/06/2016	21:45	0.9	W	28/06/2016	04:15	2.2	NE	28/06/2016	10:45	0.9	NNE
27/06/2016	21:50	0.4	WNW	28/06/2016	04:20	0.4	SW	28/06/2016	10:50	1.8	NNE
27/06/2016	21:55	0.4	WNW	28/06/2016	04:25	0.4	SSW	28/06/2016	10:55	1.8	ENE
27/06/2016	22:00	0.4	WNW	28/06/2016	04:30	1.8	W	28/06/2016	11:00	1.8	NNE
27/06/2016	22:05	0.4	WNW	28/06/2016	04:35	2.2	WNW	28/06/2016	11:05	0.9	NNE
27/06/2016	22:10	1.3	WSW	28/06/2016	04:40	1.8	WNW	28/06/2016	11:10	1.8	NNE
27/06/2016	22:15	0.9	W	28/06/2016	04:45	2.2	WNW	28/06/2016	11:15	1.8	NNE
27/06/2016	22:20	1.3	W	28/06/2016	04:50	2.7	WNW	28/06/2016	11:20	2.2	NE
27/06/2016	22:25	0.4	W	28/06/2016	04:55	1.8	WNW	28/06/2016	11:25	0.4	SW
27/06/2016	22:30	0.4	NE	28/06/2016	05:00	1.8	W	28/06/2016	11:30	0.4	SSW
27/06/2016	22:35	0.4	W	28/06/2016	05:05	1.8	W	28/06/2016	11:35	0.4	SW
27/06/2016	22:40	0.4	W	28/06/2016	05:10	1.3	W	28/06/2016	11:40	0.4	SW
27/06/2016	22:45	0.4	NW	28/06/2016	05:15	1.8	W	28/06/2016	11:45	0.4	SW
27/06/2016	22:50	1.3	NE	28/06/2016	05:20	1.3	W	28/06/2016	11:50	0.4	SW
27/06/2016	22:55	2.2	NE	28/06/2016	05:25	0.4	SSW	28/06/2016	11:55	0.4	ESE
27/06/2016	23:00	1.3	WNW	28/06/2016	05:30	0.9	SSW	28/06/2016	12:00	0.9	SW
27/06/2016	23:05	1.3	NNW	28/06/2016	05:35	0.9	SSW	28/06/2016	12:05	0.9	SW
27/06/2016	23:10	1.3	WSW	28/06/2016	05:40	0.9	SSW	28/06/2016	12:10	3.1	NE
27/06/2016	23:15	0.9	W	28/06/2016	05:45	0.9	SSW	28/06/2016	12:15	3.6	NE
27/06/2016	23:20	1.3	W	28/06/2016	05:50	2.2	WNW	28/06/2016	12:20	3.1	NE
27/06/2016	23:25	0.4	W	28/06/2016	05:55	1.8	WNW	28/06/2016	12:25	3.6	NE
27/06/2016	23:30	0.4	NE	28/06/2016	06:00	2.2	WNW	28/06/2016	12:30	4	NE
27/06/2016	23:35	0.4	W	28/06/2016	06:05	2.7	WNW	28/06/2016	12:35	3.6	NE
27/06/2016	23:40	0.4	W	28/06/2016	06:10	1.8	WNW	28/06/2016	12:40	3.6	NE
27/06/2016	23:45	0.4	NW	28/06/2016	06:15	1.8	W	28/06/2016	12:45	0.4	SW
27/06/2016	23:50	1.3	NE	28/06/2016	06:20	1.8	W	28/06/2016	12:50	2.7	ENE
27/06/2016	23:55	2.2	NE	28/06/2016	06:25	1.8	ENE	28/06/2016	12:55	2.2	ENE
28/06/2016	00:00	2.7	NE	28/06/2016	06:30	1.8	NNE	28/06/2016	13:00	2.7	NE
28/06/2016	00:05	0.4	SSW	28/06/2016	06:35	0.9	NNE	28/06/2016	13:05	1.8	ENE
28/06/2016	00:10	0.4	SSW	28/06/2016	06:40	1.8	NNE	28/06/2016	13:10	1.8	NNE
28/06/2016	00:15	0.4	SW	28/06/2016	06:45	1.8	NNE	28/06/2016	13:15	0.9	NNE
28/06/2016	00:20	2.7	ENE	28/06/2016	06:50	2.2	NE	28/06/2016	13:20	1.8	NNE
28/06/2016	00:25	2.2	ENE	28/06/2016	06:55	0.4	SW	28/06/2016	13:25	1.8	NNE
28/06/2016	00:30	2.7	NE	28/06/2016	07:00	0.4	SSW	28/06/2016	13:30	2.2	NE
28/06/2016	00:35	1.8	ENE	28/06/2016	07:05	0.4	SW	28/06/2016	13:35	0.4	SW
28/06/2016	00:40	1.8	NNE	28/06/2016	07:10	0.4	SW	28/06/2016	13:40	0.4	SSW
28/06/2016	00:45	0.9	NNE	28/06/2016	07:15	0.4	SW	28/06/2016	13:45	2.2	NE
28/06/2016	00:50	1.8	NNE	28/06/2016	07:20	0.4	SW	28/06/2016	13:50	2.2	NE
28/06/2016	00:55	1.8	NNE	28/06/2016	07:25	0.4	ESE	28/06/2016	13:55	1.8	NW
28/06/2016	01:00	2.2	NE	28/06/2016	07:30	0.9	SW	28/06/2016	14:00	1.8	NNE
28/06/2016	01:05	0.4	SW	28/06/2016	07:35	0.9	SW	28/06/2016	14:05	3.1	E
28/06/2016	01:10	0.4	SSW	28/06/2016	07:40	0.4	SSW	28/06/2016	14:10	2.2	NNE
28/06/2016	01:15	0.4	SW	28/06/2016	07:45	0.9	NNE	28/06/2016	14:15	2.2	W
28/06/2016	01:20	0.4	SW	28/06/2016	07:50	0.9	NNE	28/06/2016	14:20	3.1	W
28/06/2016	01:25	0.4	SW	28/06/2016	07:55	0.9	NNE	28/06/2016	14:25	3.1	W
28/06/2016	01:30	0.4	SW	28/06/2016	08:00	0.9	N	28/06/2016	14:30	3.6	W
28/06/2016	01:35	0.4	ESE	28/06/2016	08:05	1.3	N	28/06/2016	14:35	3.1	W
28/06/2016	01:40	0.9	SW	28/06/2016	08:10	0.9	NE	28/06/2016	14:40	1.8	ENE
28/06/2016	01:45	0.9	SW	28/06/2016	08:15	0.9	NNE	28/06/2016	14:45	1.8	NNE
28/06/2016	01:50	0.4	SW	28/06/2016	08:20	0.9	NNE	28/06/2016	14:50	0.9	NNE
28/06/2016	01:55	0.4	SW	28/06/2016	08:25	1.3	NE	28/06/2016	14:55	1.8	NNE
28/06/2016	02:00	0.4	SW	28/06/2016	08:30	1.3	NE	28/06/2016	15:00	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
28/06/2016	15:05	2.2	NE	28/06/2016	21:35	0.9	SW	29/06/2016	04:05	1.8	ENE
28/06/2016	15:10	0.4	SW	28/06/2016	21:40	1.3	WNW	29/06/2016	04:10	2.7	ENE
28/06/2016	15:15	0.4	SSW	28/06/2016	21:45	0.4	WSW	29/06/2016	04:15	0.9	ENE
28/06/2016	15:20	0.4	SW	28/06/2016	21:50	1.3	WSW	29/06/2016	04:20	0.9	NNW
28/06/2016	15:25	0.4	SW	28/06/2016	21:55	0.4	WSW	29/06/2016	04:25	1.3	ENE
28/06/2016	15:30	0.4	SW	28/06/2016	22:00	0.4	WSW	29/06/2016	04:30	1.8	NE
28/06/2016	15:35	0.4	SW	28/06/2016	22:05	0.4	WSW	29/06/2016	04:35	1.3	E
28/06/2016	15:40	0.4	ESE	28/06/2016	22:10	0.4	WSW	29/06/2016	04:40	3.6	E
28/06/2016	15:45	0.9	SW	28/06/2016	22:15	0.4	WSW	29/06/2016	04:45	2.2	E
28/06/2016	15:50	0.9	SW	28/06/2016	22:20	0.9	W	29/06/2016	04:50	1.3	W
28/06/2016	15:55	2.2	WNW	28/06/2016	22:25	0.4	W	29/06/2016	04:55	1.8	NE
28/06/2016	16:00	3.1	W	28/06/2016	22:30	0.4	W	29/06/2016	05:00	1.8	ENE
28/06/2016	16:05	2.7	WNW	28/06/2016	22:35	1.8	NW	29/06/2016	05:05	1.8	WNW
28/06/2016	16:10	3.1	W	28/06/2016	22:40	1.8	ENE	29/06/2016	05:10	2.7	NE
28/06/2016	16:15	0.4	SW	28/06/2016	22:45	1.8	NNE	29/06/2016	05:15	3.1	ENE
28/06/2016	16:20	2.7	ENE	28/06/2016	22:50	0.9	NNE	29/06/2016	05:20	0.4	SSE
28/06/2016	16:25	2.2	ENE	28/06/2016	22:55	1.8	NNE	29/06/2016	05:25	1.8	WSW
28/06/2016	16:30	2.7	NE	28/06/2016	23:00	1.8	NNE	29/06/2016	05:30	1.3	W
28/06/2016	16:35	1.8	ENE	28/06/2016	23:05	2.2	NE	29/06/2016	05:35	2.2	NNE
28/06/2016	16:40	1.8	NNE	28/06/2016	23:10	0.4	SW	29/06/2016	05:40	0.9	SSW
28/06/2016	16:45	0.9	NNE	28/06/2016	23:15	0.4	SSW	29/06/2016	05:45	1.8	ENE
28/06/2016	16:50	1.8	NNE	28/06/2016	23:20	0.4	SW	29/06/2016	05:50	0.9	E
28/06/2016	16:55	1.8	NNE	28/06/2016	23:25	0.4	SW	29/06/2016	05:55	1.3	ENE
28/06/2016	17:00	2.2	NE	28/06/2016	23:30	0.4	SW	29/06/2016	06:00	2.7	ENE
28/06/2016	17:05	0.4	SW	28/06/2016	23:35	0.4	SW	29/06/2016	06:05	1.8	NE
28/06/2016	17:10	0.4	SSW	28/06/2016	23:40	0.4	ESE	29/06/2016	06:10	0.9	NNE
28/06/2016	17:15	1.8	N	28/06/2016	23:45	0.9	SW	29/06/2016	06:15	0.4	SW
28/06/2016	17:20	1.8	NW	28/06/2016	23:50	0.9	SW	29/06/2016	06:20	1.3	E
28/06/2016	17:25	2.2	W	28/06/2016	23:55	0.4	SSW	29/06/2016	06:25	0.9	E
28/06/2016	17:30	1.3	NNE	29/06/2016	00:00	0.9	NW	29/06/2016	06:30	1.8	E
28/06/2016	17:35	3.1	W	29/06/2016	00:05	0.9	E	29/06/2016	06:35	1.3	E
28/06/2016	17:40	2.7	WNW	29/06/2016	00:10	1.8	E	29/06/2016	06:40	1.8	E
28/06/2016	17:45	3.1	W	29/06/2016	00:15	1.3	E	29/06/2016	06:45	1.8	E
28/06/2016	17:50	3.1	W	29/06/2016	00:20	1.8	E	29/06/2016	06:50	2.2	ENE
28/06/2016	17:55	2.2	W	29/06/2016	00:25	1.8	E	29/06/2016	06:55	1.8	ENE
28/06/2016	18:00	3.6	WNW	29/06/2016	00:30	2.2	ENE	29/06/2016	07:00	1.3	E
28/06/2016	18:05	2.7	W	29/06/2016	00:35	1.8	ENE	29/06/2016	07:05	1.8	NE
28/06/2016	18:10	1.8	ENE	29/06/2016	00:40	1.3	E	29/06/2016	07:10	2.2	NE
28/06/2016	18:15	1.8	NNE	29/06/2016	00:45	1.8	NE	29/06/2016	07:15	3.6	E
28/06/2016	18:20	0.9	NNE	29/06/2016	00:50	2.2	NE	29/06/2016	07:20	0.4	WSW
28/06/2016	18:25	1.8	NNE	29/06/2016	00:55	3.6	E	29/06/2016	07:25	0.4	WSW
28/06/2016	18:30	1.8	NNE	29/06/2016	01:00	2.7	E	29/06/2016	07:30	0.4	WNW
28/06/2016	18:35	2.2	NE	29/06/2016	01:05	3.1	ENE	29/06/2016	07:35	0.9	NNW
28/06/2016	18:40	0.4	SW	29/06/2016	01:10	0.9	ESE	29/06/2016	07:40	1.3	NNW
28/06/2016	18:45	0.4	SSW	29/06/2016	01:15	1.8	E	29/06/2016	07:45	1.3	N
28/06/2016	18:50	0.4	SW	29/06/2016	01:20	0.9	E	29/06/2016	07:50	0.9	NE
28/06/2016	18:55	0.4	SW	29/06/2016	01:25	1.8	NE	29/06/2016	07:55	0.9	NE
28/06/2016	19:00	0.4	SW	29/06/2016	01:30	2.2	NE	29/06/2016	08:00	1.3	NE
28/06/2016	19:05	0.4	SW	29/06/2016	01:35	2.7	ENE	29/06/2016	08:05	0.9	NE
28/06/2016	19:10	0.4	ESE	29/06/2016	01:40	2.7	NE	29/06/2016	08:10	1.3	NNE
28/06/2016	19:15	0.9	SW	29/06/2016	01:45	3.6	NE	29/06/2016	08:15	1.3	NNE
28/06/2016	19:20	0.9	SW	29/06/2016	01:50	1.8	NE	29/06/2016	08:20	0.9	NNE
28/06/2016	19:25	1.3	E	29/06/2016	01:55	2.2	E	29/06/2016	08:25	0.9	NNE
28/06/2016	19:30	0.4	ENE	29/06/2016	02:00	2.2	E	29/06/2016	08:30	0.4	NNE
28/06/2016	19:35	0.4	ENE	29/06/2016	02:05	2.7	E	29/06/2016	08:35	0.4	NNE
28/06/2016	19:40	0.4	ENE	29/06/2016	02:10	2.2	E	29/06/2016	08:40	0.9	NNW
28/06/2016	19:45	0.4	SW	29/06/2016	02:15	0.9	NW	29/06/2016	08:45	1.3	NNW
28/06/2016	19:50	2.7	ENE	29/06/2016	02:20	1.3	WNW	29/06/2016	08:50	1.3	N
28/06/2016	19:55	2.2	ENE	29/06/2016	02:25	1.3	WSW	29/06/2016	08:55	0.9	NE
28/06/2016	20:00	2.7	NE	29/06/2016	02:30	0.9	NW	29/06/2016	09:00	0.9	NE
28/06/2016	20:05	1.8	ENE	29/06/2016	02:35	1.3	E	29/06/2016	09:05	1.3	NE
28/06/2016	20:10	1.8	NNE	29/06/2016	02:40	1.8	E	29/06/2016	09:10	1.8	NE
28/06/2016	20:15	0.9	NNE	29/06/2016	02:45	1.8	E	29/06/2016	09:15	1.8	NNE
28/06/2016	20:20	1.8	NNE	29/06/2016	02:50	2.2	ENE	29/06/2016	09:20	1.3	NNE
28/06/2016	20:25	1.8	ENE	29/06/2016	02:55	1.8	ENE	29/06/2016	09:25	1.8	NNE
28/06/2016	20:30	1.8	NNE	29/06/2016	03:00	0.9	E	29/06/2016	09:30	1.8	NNE
28/06/2016	20:35	0.9	NNE	29/06/2016	03:05	1.8	E	29/06/2016	09:35	1.8	NNE
28/06/2016	20:40	1.8	NNE	29/06/2016	03:10	0.9	E	29/06/2016	09:40	0.9	E
28/06/2016	20:45	1.8	NNE	29/06/2016	03:15	1.8	E	29/06/2016	09:45	1.8	E
28/06/2016	20:50	2.2	NE	29/06/2016	03:20	1.3	E	29/06/2016	09:50	1.3	E
28/06/2016	20:55	0.4	SW	29/06/2016	03:25	1.8	E	29/06/2016	09:55	1.8	E
28/06/2016	21:00	0.4	SSW	29/06/2016	03:30	1.8	E	29/06/2016	10:00	1.8	E
28/06/2016	21:05	0.4	SW	29/06/2016	03:35	2.2	ENE	29/06/2016	10:05	2.2	ENE
28/06/2016	21:10	0.4	SW	29/06/2016	03:40	1.8	ENE	29/06/2016	10:10	1.8	ENE
28/06/2016	21:15	0.4	SW	29/06/2016	03:45	1.3	E	29/06/2016	10:15	1.3	E
28/06/2016	21:20	0.4	SW	29/06/2016	03:50	1.8	NE	29/06/2016	10:20	1.8	NE
28/06/2016	21:25	0.4	ESE	29/06/2016	03:55	2.2	NE	29/06/2016	10:25	2.2	NE
28/06/2016	21:30	0.9	SW	29/06/2016	04:00	1.3	ENE	29/06/2016	10:30	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
29/06/2016	10:35	1.8	NE	29/06/2016	17:05	2.2	ENE	29/06/2016	23:35	2.2	ENE
29/06/2016	10:40	2.2	NE	29/06/2016	17:10	1.8	ENE	29/06/2016	23:40	1.8	ENE
29/06/2016	10:45	3.6	E	29/06/2016	17:15	1.3	E	29/06/2016	23:45	1.3	E
29/06/2016	10:50	1.8	NNE	29/06/2016	17:20	1.8	NE	29/06/2016	23:50	1.8	NE
29/06/2016	10:55	0.9	NNE	29/06/2016	17:25	2.2	NE	29/06/2016	23:55	2.2	NE
29/06/2016	11:00	0.9	N	29/06/2016	17:30	1.8	NW	30/06/2016	00:00	3.6	E
29/06/2016	11:05	1.3	NNW	29/06/2016	17:35	2.2	W	30/06/2016	00:05	0.4	NE
29/06/2016	11:10	1.8	NNE	29/06/2016	17:40	0.9	E	30/06/2016	00:10	0.9	E
29/06/2016	11:15	1.8	NE	29/06/2016	17:45	1.8	E	30/06/2016	00:15	0.9	E
29/06/2016	11:20	1.8	NNE	29/06/2016	17:50	1.3	E	30/06/2016	00:20	0.9	E
29/06/2016	11:25	2.2	NE	29/06/2016	17:55	1.8	E	30/06/2016	00:25	0.4	ESE
29/06/2016	11:30	2.2	NE	29/06/2016	18:00	1.8	E	30/06/2016	00:30	2.7	NE
29/06/2016	11:35	2.7	NE	29/06/2016	18:05	2.2	ENE	30/06/2016	00:35	2.2	NE
29/06/2016	11:40	0.9	E	29/06/2016	18:10	1.8	ENE	30/06/2016	00:40	1.8	ENE
29/06/2016	11:45	1.8	E	29/06/2016	18:15	1.3	E	30/06/2016	00:45	2.2	NE
29/06/2016	11:50	1.3	E	29/06/2016	18:20	1.8	NE	30/06/2016	00:50	2.2	ENE
29/06/2016	11:55	1.8	E	29/06/2016	18:25	2.2	NE	30/06/2016	00:55	2.2	NE
29/06/2016	12:00	1.8	E	29/06/2016	18:30	3.6	E	30/06/2016	01:00	2.7	ENE
29/06/2016	12:05	2.2	ENE	29/06/2016	18:35	2.2	W	30/06/2016	01:05	2.7	NE
29/06/2016	12:10	1.8	ENE	29/06/2016	18:40	0.4	WSW	30/06/2016	01:10	2.7	NE
29/06/2016	12:15	1.3	E	29/06/2016	18:45	0.4	WSW	30/06/2016	01:15	2.2	NE
29/06/2016	12:20	1.8	NE	29/06/2016	18:50	0.4	NNE	30/06/2016	01:20	2.7	NE
29/06/2016	12:25	2.2	NE	29/06/2016	18:55	0.9	E	30/06/2016	01:25	2.7	NE
29/06/2016	12:30	2.2	NE	29/06/2016	19:00	1.8	E	30/06/2016	01:30	0.9	SSW
29/06/2016	12:35	1.8	N	29/06/2016	19:05	1.3	E	30/06/2016	01:35	0.9	SSW
29/06/2016	12:40	1.3	N	29/06/2016	19:10	1.8	E	30/06/2016	01:40	0.9	SSW
29/06/2016	12:45	0.9	NE	29/06/2016	19:15	1.8	E	30/06/2016	01:45	0.4	ESE
29/06/2016	12:50	1.3	NE	29/06/2016	19:20	2.2	ENE	30/06/2016	01:50	0.9	SW
29/06/2016	12:55	1.3	NE	29/06/2016	19:25	1.8	ENE	30/06/2016	01:55	0.9	SW
29/06/2016	13:00	1.8	NNE	29/06/2016	19:30	1.3	E	30/06/2016	02:00	0.9	SW
29/06/2016	13:05	1.8	NE	29/06/2016	19:35	1.8	NE	30/06/2016	02:05	0.9	SW
29/06/2016	13:10	2.2	NE	29/06/2016	19:40	2.2	NE	30/06/2016	02:10	1.3	SW
29/06/2016	13:15	2.2	NE	29/06/2016	19:45	1.3	W	30/06/2016	02:15	0.4	SSW
29/06/2016	13:20	2.2	NE	29/06/2016	19:50	2.7	WSW	30/06/2016	02:20	0.9	SSW
29/06/2016	13:25	1.3	NNE	29/06/2016	19:55	1.8	W	30/06/2016	02:25	0.4	SSW
29/06/2016	13:30	2.2	NE	29/06/2016	20:00	1.3	W	30/06/2016	02:30	0.4	SSW
29/06/2016	13:35	2.2	ENE	29/06/2016	20:05	2.2	W	30/06/2016	02:35	0.4	SSW
29/06/2016	13:40	1.8	NE	29/06/2016	20:10	0.4	WSW	30/06/2016	02:40	0.4	WSW
29/06/2016	13:45	1.8	ENE	29/06/2016	20:15	0.9	ENE	30/06/2016	02:45	0.4	WSW
29/06/2016	13:50	1.3	NNE	29/06/2016	20:20	0.9	ENE	30/06/2016	02:50	0.4	NE
29/06/2016	13:55	1.8	WSW	29/06/2016	20:25	1.3	NE	30/06/2016	02:55	0.9	E
29/06/2016	14:00	2.7	WSW	29/06/2016	20:30	0.9	ENE	30/06/2016	03:00	0.9	E
29/06/2016	14:05	2.7	WSW	29/06/2016	20:35	0.4	ENE	30/06/2016	03:05	0.9	E
29/06/2016	14:10	0.9	E	29/06/2016	20:40	0.9	NE	30/06/2016	03:10	0.4	ESE
29/06/2016	14:15	1.8	E	29/06/2016	20:45	0.4	NE	30/06/2016	03:15	2.7	NE
29/06/2016	14:20	1.3	E	29/06/2016	20:50	0.9	NE	30/06/2016	03:20	2.2	NE
29/06/2016	14:25	1.8	E	29/06/2016	20:55	0.9	NE	30/06/2016	03:25	1.8	ENE
29/06/2016	14:30	1.8	E	29/06/2016	21:00	0.9	NE	30/06/2016	03:30	2.2	NE
29/06/2016	14:35	2.2	ENE	29/06/2016	21:05	0.4	NE	30/06/2016	03:35	2.2	ENE
29/06/2016	14:40	1.8	ENE	29/06/2016	21:10	0.9	E	30/06/2016	03:40	0.9	SE
29/06/2016	14:45	1.3	E	29/06/2016	21:15	1.8	E	30/06/2016	03:45	0.4	SW
29/06/2016	14:50	1.8	NE	29/06/2016	21:20	1.3	E	30/06/2016	03:50	0.9	SW
29/06/2016	14:55	0.9	E	29/06/2016	21:25	1.8	E	30/06/2016	03:55	0.9	SW
29/06/2016	15:00	1.8	E	29/06/2016	21:30	1.8	E	30/06/2016	04:00	0.9	SW
29/06/2016	15:05	1.3	E	29/06/2016	21:35	2.2	ENE	30/06/2016	04:05	0.4	WSW
29/06/2016	15:10	1.8	E	29/06/2016	21:40	1.8	ENE	30/06/2016	04:10	0.4	SSW
29/06/2016	15:15	1.8	E	29/06/2016	21:45	1.3	E	30/06/2016	04:15	0.4	SSW
29/06/2016	15:20	2.2	ENE	29/06/2016	21:50	1.8	NE	30/06/2016	04:20	0.4	SSW
29/06/2016	15:25	1.8	ENE	29/06/2016	21:55	2.2	NE	30/06/2016	04:25	0.4	WSW
29/06/2016	15:30	1.3	E	29/06/2016	22:00	1.8	ENE	30/06/2016	04:30	0.4	WSW
29/06/2016	15:35	1.8	NE	29/06/2016	22:05	1.3	E	30/06/2016	04:35	0.4	ESE
29/06/2016	15:40	2.2	NE	29/06/2016	22:10	1.8	NE	30/06/2016	04:40	0.4	ESE
29/06/2016	15:45	3.6	NE	29/06/2016	22:15	2.2	NE	30/06/2016	04:45	3.1	WSW
29/06/2016	15:50	3.6	NE	29/06/2016	22:20	3.6	E	30/06/2016	04:50	2.7	WSW
29/06/2016	15:55	3.6	NE	29/06/2016	22:25	0.4	SSW	30/06/2016	04:55	2.2	W
29/06/2016	16:00	2.7	NE	29/06/2016	22:30	1.3	W	30/06/2016	05:00	2.7	WSW
29/06/2016	16:05	3.1	NE	29/06/2016	22:35	0.9	WSW	30/06/2016	05:05	1.8	W
29/06/2016	16:10	3.6	NE	29/06/2016	22:40	0.4	WSW	30/06/2016	05:10	0.9	SSW
29/06/2016	16:15	3.1	NE	29/06/2016	22:45	0.4	WSW	30/06/2016	05:15	0.9	SSW
29/06/2016	16:20	4	NE	29/06/2016	22:50	0.4	WSW	30/06/2016	05:20	0.9	SSW
29/06/2016	16:25	3.6	NE	29/06/2016	22:55	0.4	NNE	30/06/2016	05:25	0.4	ESE
29/06/2016	16:30	3.1	NE	29/06/2016	23:00	0.9	W	30/06/2016	05:30	0.9	SW
29/06/2016	16:35	2.7	NE	29/06/2016	23:05	0.9	W	30/06/2016	05:35	0.9	SW
29/06/2016	16:40	0.9	E	29/06/2016	23:10	0.9	E	30/06/2016	05:40	0.9	SW
29/06/2016	16:45	1.8	E	29/06/2016	23:15	1.8	E	30/06/2016	05:45	0.9	SW
29/06/2016	16:50	1.3	E	29/06/2016	23:20	1.3	E	30/06/2016	05:50	1.3	SW
29/06/2016	16:55	1.8	E	29/06/2016	23:25	1.8	E	30/06/2016	05:55	0.4	SSW
29/06/2016	17:00	1.8	E	29/06/2016	23:30	1.8	E	30/06/2016	06:00	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
30/06/2016	06:05	0.4	SSW
30/06/2016	06:10	0.4	SSW
30/06/2016	06:15	0.4	SSW
30/06/2016	06:20	0.4	WSW
30/06/2016	06:25	0.4	WSW
30/06/2016	06:30	0.4	NE
30/06/2016	06:35	0.9	E
30/06/2016	06:40	1.8	ENE
30/06/2016	06:45	2.2	NE
30/06/2016	06:50	2.2	ENE
30/06/2016	06:55	1.8	NNE
30/06/2016	07:00	2.2	NNE
30/06/2016	07:05	0.4	ESE
30/06/2016	07:10	0.4	ESE
30/06/2016	07:15	0.4	ESE
30/06/2016	07:20	0.4	ESE
30/06/2016	07:25	0.4	ESE
30/06/2016	07:30	0.4	ESE
30/06/2016	07:35	0.4	ESE
30/06/2016	07:40	0.4	ESE
30/06/2016	07:45	0.4	ESE
30/06/2016	07:50	0.4	ESE
30/06/2016	07:55	0.4	ESE
30/06/2016	08:00	0.4	ESE
30/06/2016	08:05	0.4	ESE
30/06/2016	08:10	0.4	N
30/06/2016	08:15	0.4	N
30/06/2016	08:20	1.8	NE
30/06/2016	08:25	1.3	NE
30/06/2016	08:30	1.3	NE
30/06/2016	08:35	1.8	NE
30/06/2016	08:40	1.8	NNE
30/06/2016	08:45	2.2	NE
30/06/2016	08:50	2.2	ENE
30/06/2016	08:55	0.9	SSW
30/06/2016	09:00	0.9	SSW
30/06/2016	09:05	0.9	SSW
30/06/2016	09:10	0.4	ESE
30/06/2016	09:15	0.9	SW
30/06/2016	09:20	0.9	SW
30/06/2016	09:25	0.9	SW
30/06/2016	09:30	0.9	SW
30/06/2016	09:35	1.3	SW
30/06/2016	09:40	0.4	SSW
30/06/2016	09:45	0.9	SSW
30/06/2016	09:50	0.4	SSW
30/06/2016	09:55	0.4	SSW
30/06/2016	10:00	0.4	SSW
30/06/2016	10:05	0.4	WSW
30/06/2016	10:10	0.4	WSW
30/06/2016	10:15	0.4	NE
30/06/2016	10:20	0.9	E
30/06/2016	10:25	0.9	E
30/06/2016	10:30	0.9	E
30/06/2016	10:35	0.9	E
30/06/2016	10:40	0.4	ESE
30/06/2016	10:45	2.7	NE
30/06/2016	10:50	2.2	NE
30/06/2016	10:55	1.8	ENE
30/06/2016	11:00	2.2	NE
30/06/2016	11:05	2.2	ENE
30/06/2016	11:10	2.7	NE
30/06/2016	11:15	2.7	NE
30/06/2016	11:20	2.7	NE
30/06/2016	11:25	2.7	NE
30/06/2016	11:30	2.2	NE
30/06/2016	11:35	1.8	ENE
30/06/2016	11:40	2.2	NE
30/06/2016	11:45	2.2	ENE
30/06/2016	11:50	2.2	NE
30/06/2016	11:55	2.7	ENE
30/06/2016	12:00	2.7	NE
30/06/2016	12:05	2.7	NE
30/06/2016	12:10	2.2	NE
30/06/2016	12:15	2.7	NE
30/06/2016	12:20	2.7	NE
30/06/2016	12:25	0.9	SSW
30/06/2016	12:30	0.9	SSW
30/06/2016	12:35	0.9	SSW
30/06/2016	12:40	0.4	ESE
30/06/2016	12:45	0.9	SW
30/06/2016	12:50	0.9	SW
30/06/2016	12:55	0.9	SW
30/06/2016	13:00	0.9	SW
30/06/2016	13:05	1.3	SW
30/06/2016	13:10	0.4	SSW
30/06/2016	13:15	0.9	SSW
30/06/2016	13:20	0.4	SSW
30/06/2016	13:25	0.4	SSW
30/06/2016	13:30	0.4	SSW
30/06/2016	13:35	0.4	WSW
30/06/2016	13:40	0.4	WSW
30/06/2016	13:45	0.4	NE
30/06/2016	13:50	0.9	E
30/06/2016	13:55	2.7	W
30/06/2016	14:00	3.6	W
30/06/2016	14:05	0.4	NE
30/06/2016	14:10	0.9	E
30/06/2016	14:15	0.9	E
30/06/2016	14:20	0.9	E
30/06/2016	14:25	0.4	ESE
30/06/2016	14:30	2.7	NE
30/06/2016	14:35	2.2	NE
30/06/2016	14:40	1.8	ENE
30/06/2016	14:45	2.2	NE
30/06/2016	14:50	2.2	ENE
30/06/2016	14:55	1.3	WNW
30/06/2016	15:00	1.8	W
30/06/2016	15:05	1.3	NW
30/06/2016	15:10	1.8	W
30/06/2016	15:15	2.2	WNW
30/06/2016	15:20	2.7	WSW
30/06/2016	15:25	1.8	N
30/06/2016	15:30	1.8	ENE
30/06/2016	15:35	2.2	NE
30/06/2016	15:40	1.3	NE
30/06/2016	15:45	1.3	NNE
30/06/2016	15:50	0.9	NW
30/06/2016	15:55	0.9	NW
30/06/2016	16:00	0.9	NW
30/06/2016	16:05	1.3	WNW
30/06/2016	16:10	0.9	SSW
30/06/2016	16:15	0.9	SSW
30/06/2016	16:20	0.9	SSW
30/06/2016	16:25	0.4	ESE
30/06/2016	16:30	0.9	SW
30/06/2016	16:35	0.9	SW
30/06/2016	16:40	0.9	SW
30/06/2016	16:45	0.9	SW
30/06/2016	16:50	1.3	SW
30/06/2016	16:55	0.4	SSW
30/06/2016	17:00	0.9	SSW
30/06/2016	17:05	0.4	SSW
30/06/2016	17:10	0.4	SSW
30/06/2016	17:15	0.4	SSW
30/06/2016	17:20	0.4	WSW
30/06/2016	17:25	0.4	WSW
30/06/2016	17:30	0.4	NE
30/06/2016	17:35	0.9	E
30/06/2016	17:40	2.2	W
30/06/2016	17:45	2.2	W
30/06/2016	17:50	0.4	NE
30/06/2016	17:55	0.9	E
30/06/2016	18:00	0.9	E
30/06/2016	18:05	0.9	E
30/06/2016	18:10	0.4	ESE
30/06/2016	18:15	2.7	NE
30/06/2016	18:20	2.2	NE
30/06/2016	18:25	1.8	ENE
30/06/2016	18:30	2.2	NE
30/06/2016	18:35	2.2	ENE
30/06/2016	18:40	0.9	WSW
30/06/2016	18:45	1.3	WSW
30/06/2016	18:50	1.3	WSW
30/06/2016	18:55	0.9	WSW
30/06/2016	19:00	1.8	SW
30/06/2016	19:05	2.2	WSW
30/06/2016	19:10	1.8	SW
30/06/2016	19:15	1.8	W
30/06/2016	19:20	0.9	W
30/06/2016	19:25	0.4	WSW
30/06/2016	19:30	0.4	ENE
30/06/2016	19:35	0.9	ENE
30/06/2016	19:40	1.3	ENE
30/06/2016	19:45	0.9	ENE
30/06/2016	19:50	0.9	ENE
30/06/2016	19:55	2.7	ENE
30/06/2016	20:00	2.7	NE
30/06/2016	20:05	3.1	NE
30/06/2016	20:10	0.9	SSW
30/06/2016	20:15	0.9	SSW
30/06/2016	20:20	0.9	SSW
30/06/2016	20:25	0.4	ESE
30/06/2016	20:30	0.9	SW
30/06/2016	20:35	0.9	SW
30/06/2016	20:40	0.9	SW
30/06/2016	20:45	0.9	SW
30/06/2016	20:50	1.3	SW
30/06/2016	20:55	0.4	SSW
30/06/2016	21:00	0.9	SSW
30/06/2016	21:05	0.4	SSW
30/06/2016	21:10	0.4	SSW
30/06/2016	21:15	0.4	SSW
30/06/2016	21:20	0.4	WSW
30/06/2016	21:25	0.4	WSW
30/06/2016	21:30	0.4	NE
30/06/2016	21:35	0.9	E
30/06/2016	21:40	0.4	ESE
30/06/2016	21:45	2.7	NE
30/06/2016	21:50	2.2	NE
30/06/2016	21:55	1.8	ENE
30/06/2016	22:00	2.2	NE
30/06/2016	22:05	2.2	ENE
30/06/2016	22:10	0.4	NE
30/06/2016	22:15	0.4	N
30/06/2016	22:20	0.4	WSW
30/06/2016	22:25	0.4	SSW
30/06/2016	22:30	0.9	W
30/06/2016	22:35	0.4	NW
30/06/2016	22:40	0.9	SSW
30/06/2016	22:45	0.9	SSW
30/06/2016	22:50	0.9	SSW
30/06/2016	22:55	0.4	ESE
30/06/2016	23:00	0.9	SW
30/06/2016	23:05	0.9	SW
30/06/2016	23:10	0.9	SW
30/06/2016	23:15	0.9	SW
30/06/2016	23:20	1.3	SW
30/06/2016	23:25	0.4	SSW
30/06/2016	23:30	0.9	SSW
30/06/2016	23:35	0.4	SSW
30/06/2016	23:40	0.4	SSW
30/06/2016	23:45	0.4	SSW
30/06/2016	23:50	0.4	WSW
30/06/2016	23:55	0.4	WSW
01/07/2016	00:00	0.4	NE

APPENDIX H

Dolphin Monitoring Results

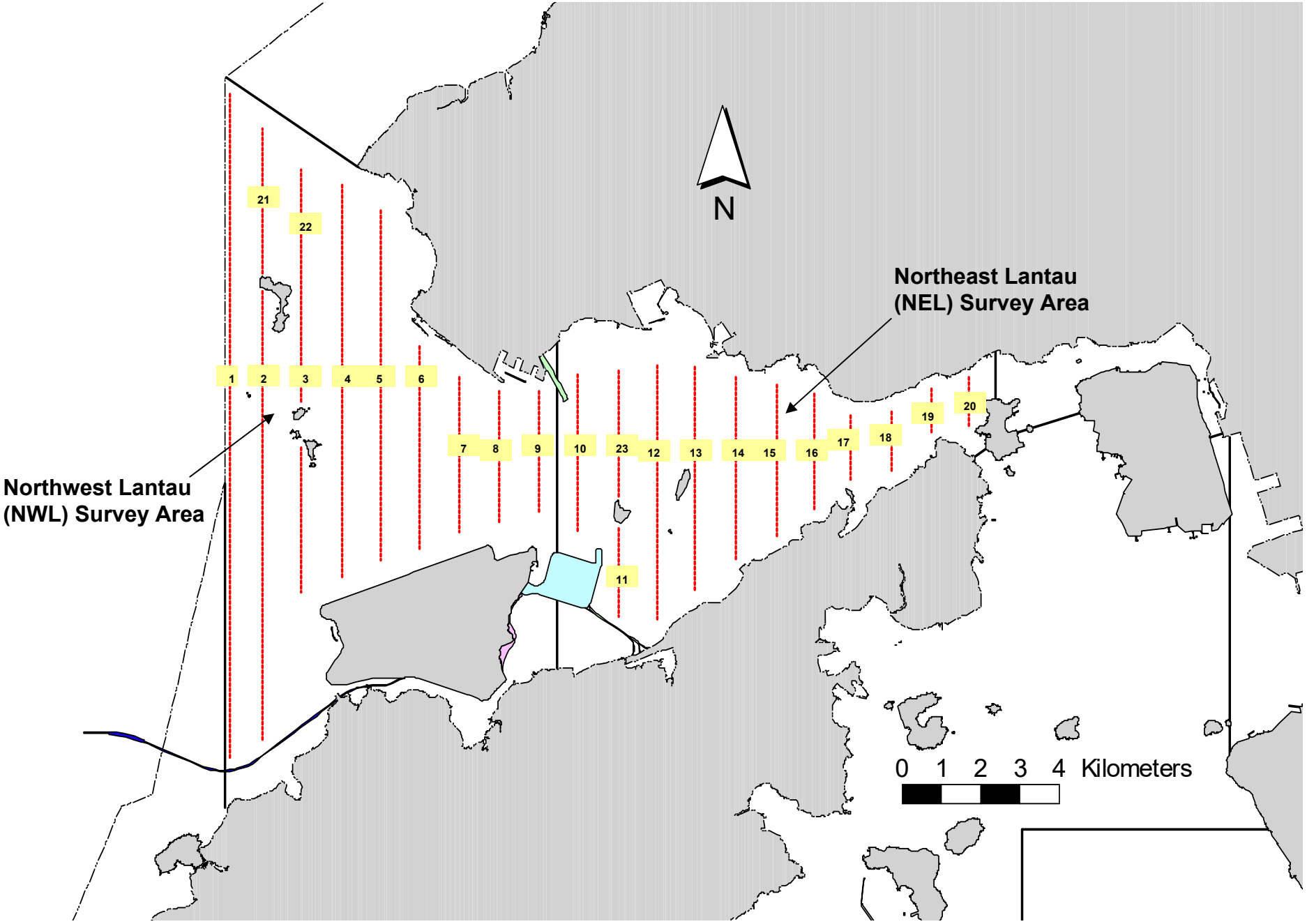


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

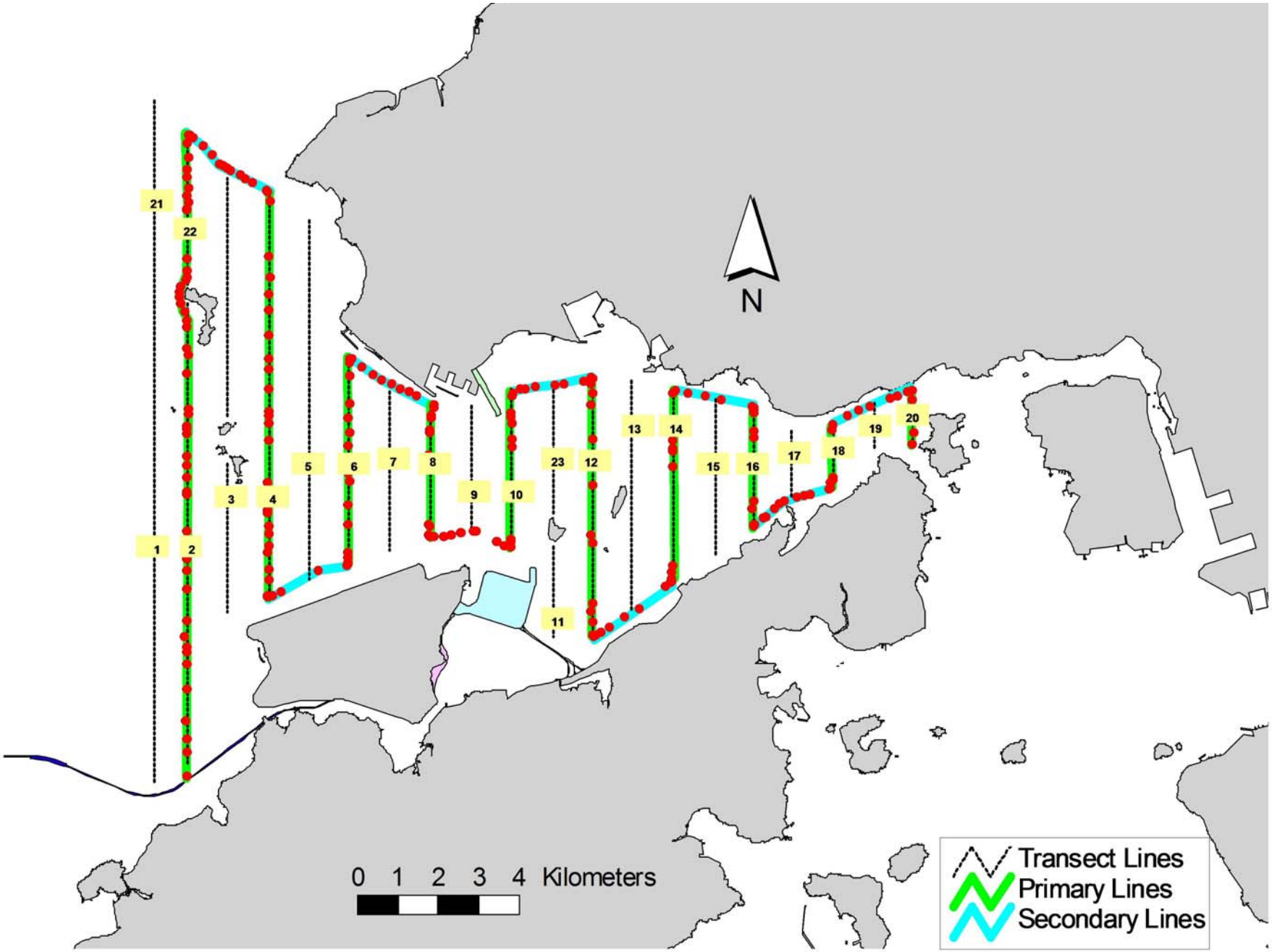


Figure 2. Survey Route on June 1st, 2016

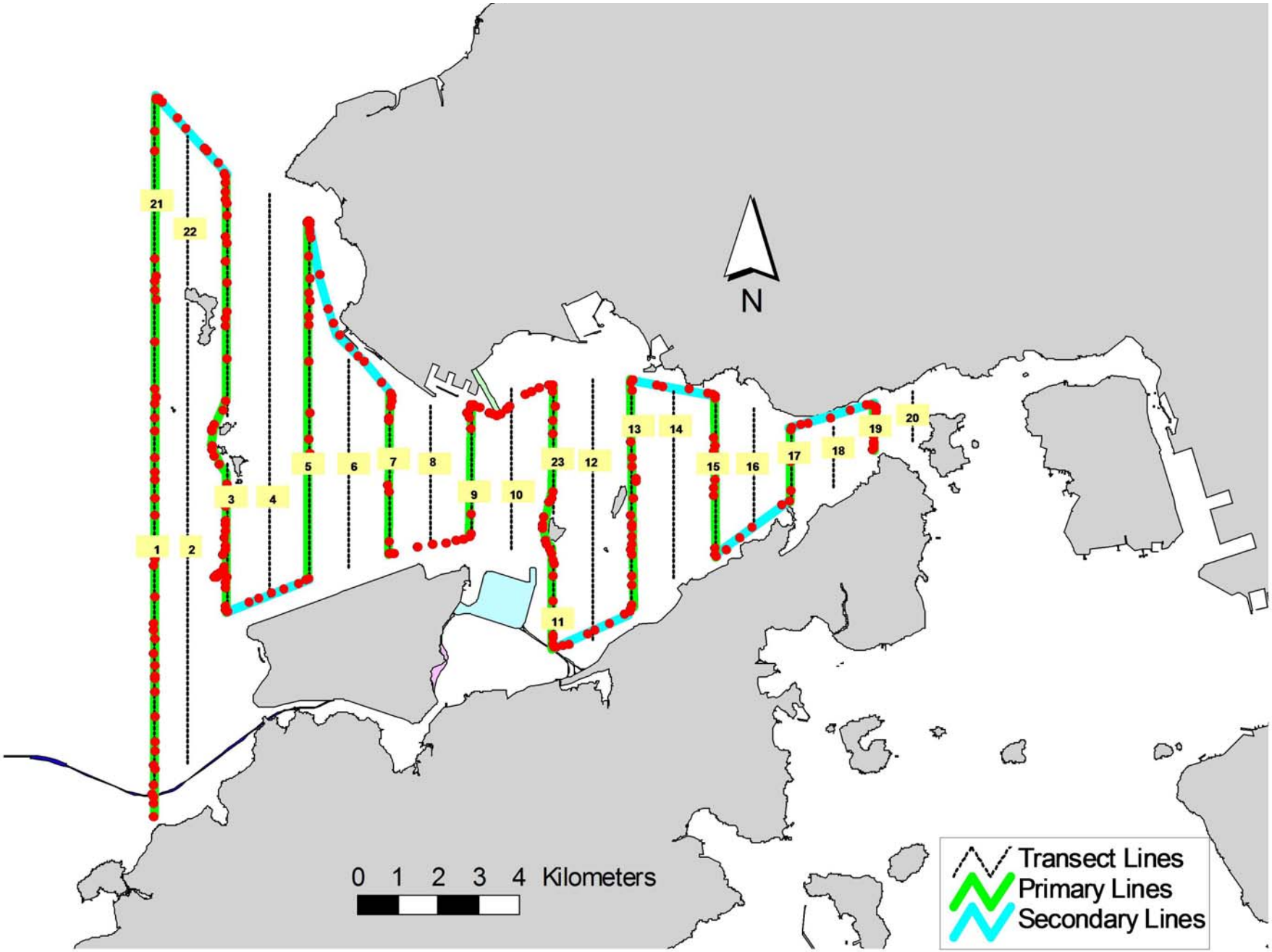


Figure 3. Survey Route on June 6th, 2016

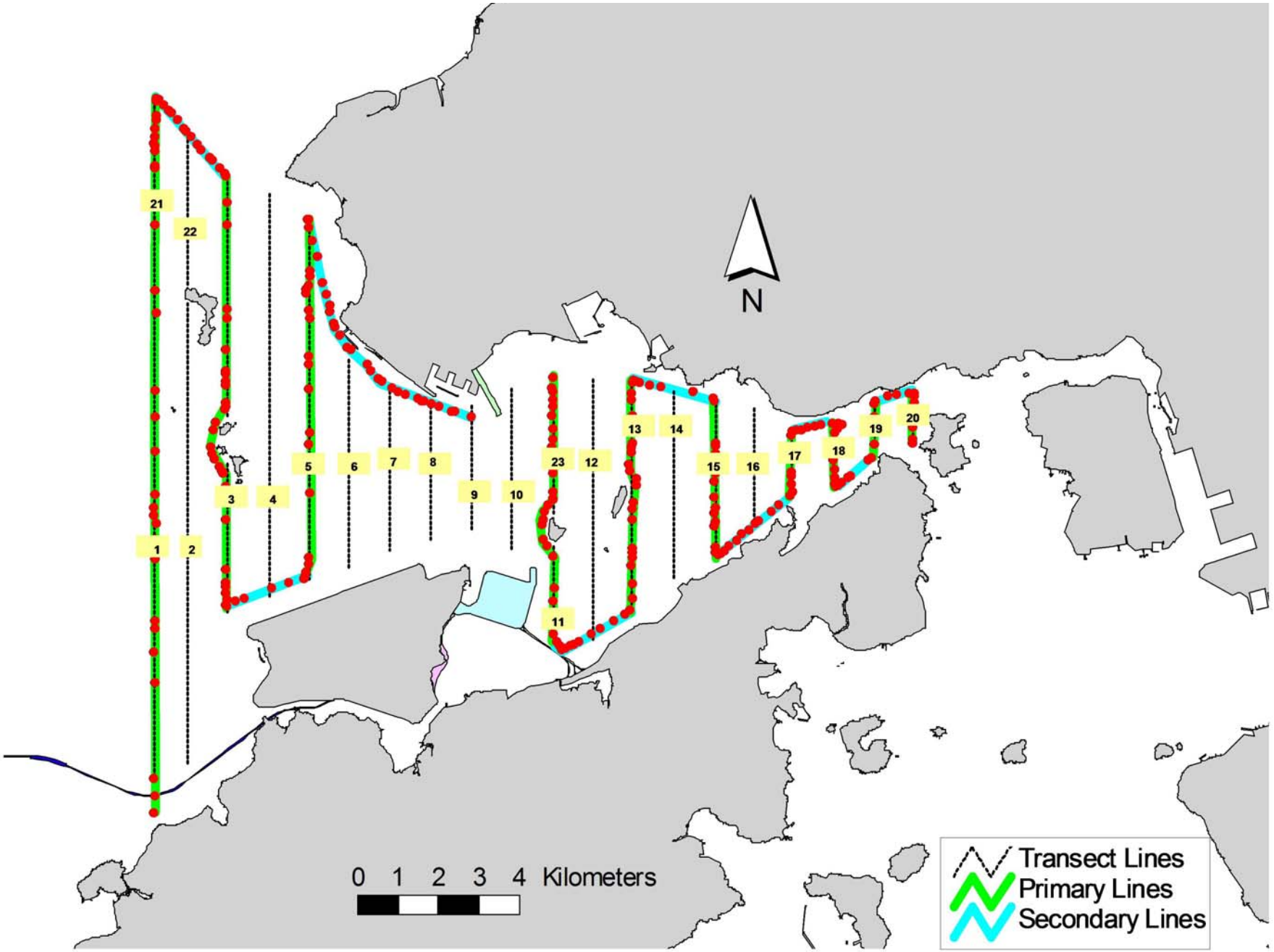


Figure 4. Survey Route on June 13th, 2016

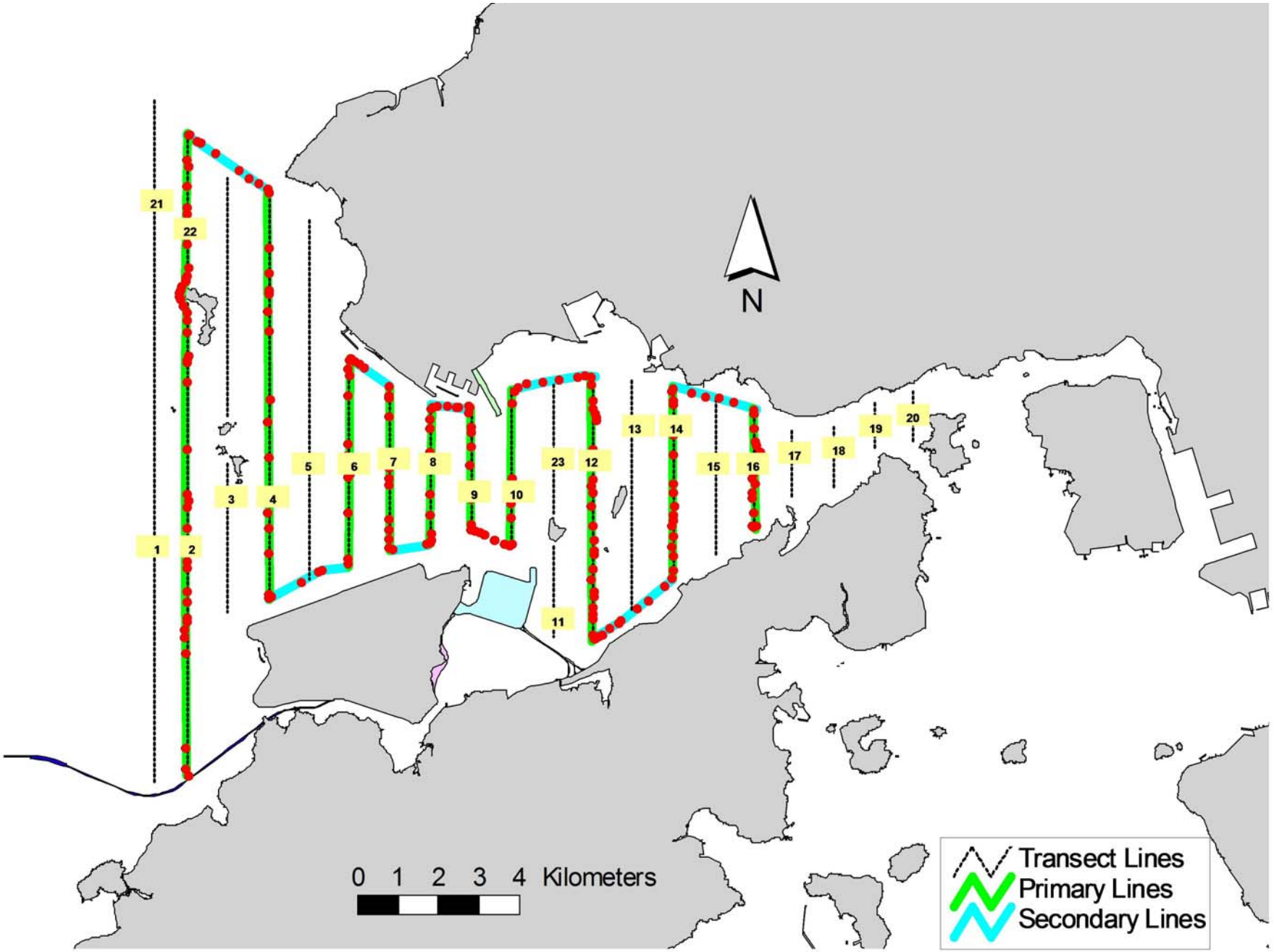


Figure 5. Survey Route on June 17th, 2016

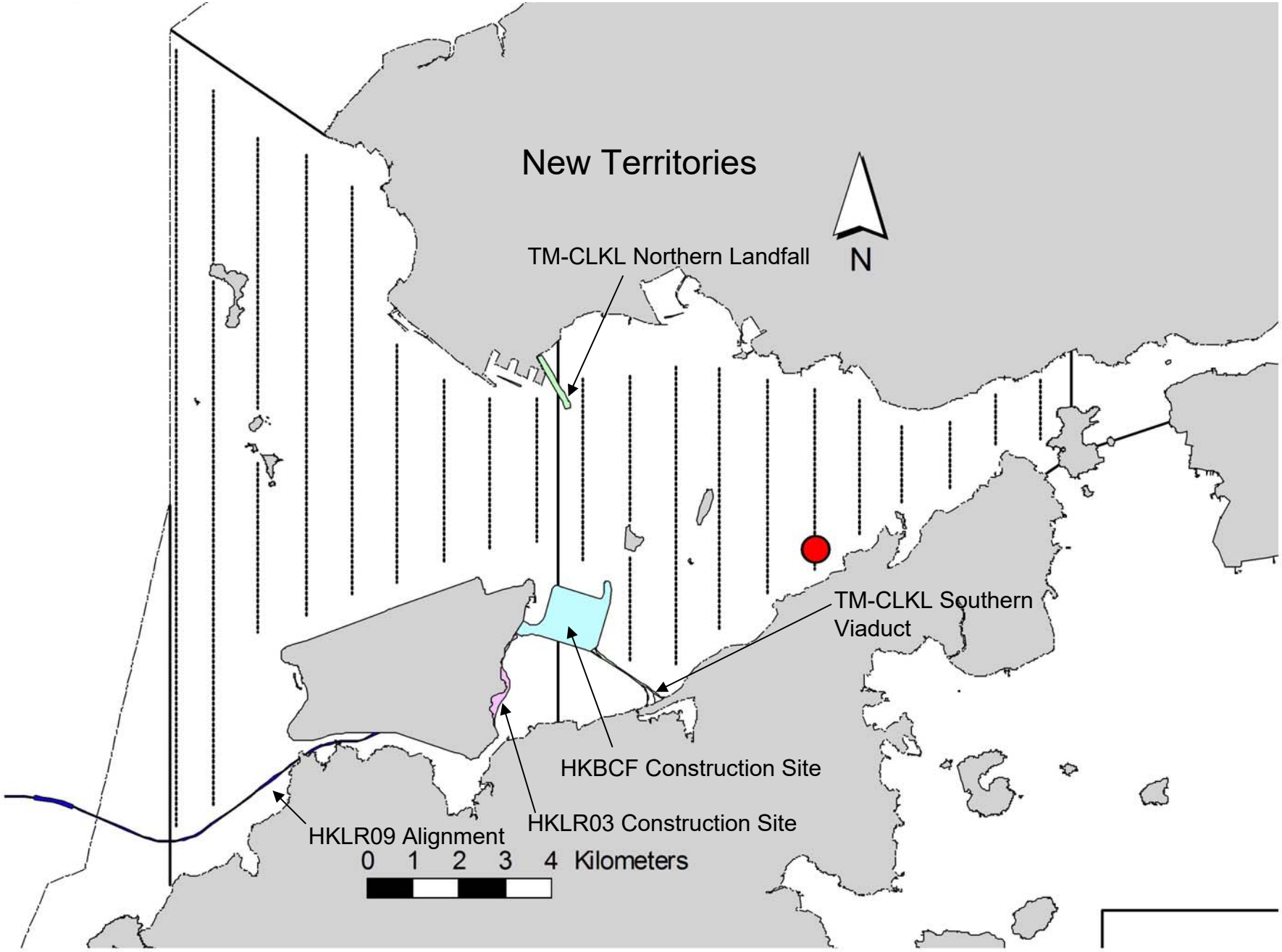


Figure 6. Distribution of Chinese White Dolphin Sightings During June 2016 HKLR03 Monitoring Surveys

Annex I. HKLR03 Survey Effort Database (June 2016)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
1-Jun-16	NW LANTAU	3	5.57	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NW LANTAU	4	24.03	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NW LANTAU	5	1.80	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NW LANTAU	3	2.80	SUMMER	STANDARD31516	HKLR	S
1-Jun-16	NW LANTAU	4	5.30	SUMMER	STANDARD31516	HKLR	S
1-Jun-16	NE LANTAU	2	6.91	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NE LANTAU	3	12.82	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NE LANTAU	2	8.05	SUMMER	STANDARD31516	HKLR	S
1-Jun-16	NE LANTAU	3	2.52	SUMMER	STANDARD31516	HKLR	S
6-Jun-16	NW LANTAU	1	4.44	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NW LANTAU	2	30.16	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NW LANTAU	3	5.59	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NW LANTAU	2	13.61	SUMMER	STANDARD31516	HKLR	S
6-Jun-16	NE LANTAU	2	15.55	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NE LANTAU	3	0.80	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NE LANTAU	2	10.94	SUMMER	STANDARD31516	HKLR	S
13-Jun-16	NW LANTAU	3	28.50	SUMMER	STANDARD31516	HKLR	P
13-Jun-16	NW LANTAU	4	5.40	SUMMER	STANDARD31516	HKLR	P
13-Jun-16	NW LANTAU	3	4.90	SUMMER	STANDARD31516	HKLR	S
13-Jun-16	NW LANTAU	4	4.90	SUMMER	STANDARD31516	HKLR	S
13-Jun-16	NE LANTAU	2	14.58	SUMMER	STANDARD31516	HKLR	P
13-Jun-16	NE LANTAU	3	5.31	SUMMER	STANDARD31516	HKLR	P
13-Jun-16	NE LANTAU	2	6.03	SUMMER	STANDARD31516	HKLR	S
13-Jun-16	NE LANTAU	3	5.18	SUMMER	STANDARD31516	HKLR	S
17-Jun-16	NW LANTAU	2	20.32	SUMMER	STANDARD31516	HKLR	P
17-Jun-16	NW LANTAU	3	18.28	SUMMER	STANDARD31516	HKLR	P
17-Jun-16	NW LANTAU	2	3.00	SUMMER	STANDARD31516	HKLR	S
17-Jun-16	NW LANTAU	3	5.50	SUMMER	STANDARD31516	HKLR	S
17-Jun-16	NE LANTAU	2	11.80	SUMMER	STANDARD31516	HKLR	P
17-Jun-16	NE LANTAU	3	5.68	SUMMER	STANDARD31516	HKLR	P
17-Jun-16	NE LANTAU	2	3.32	SUMMER	STANDARD31516	HKLR	S
17-Jun-16	NE LANTAU	3	2.90	SUMMER	STANDARD31516	HKLR	S

Annex II. HKLR03 Chinese White Dolphin Sighting Database (June 2016)

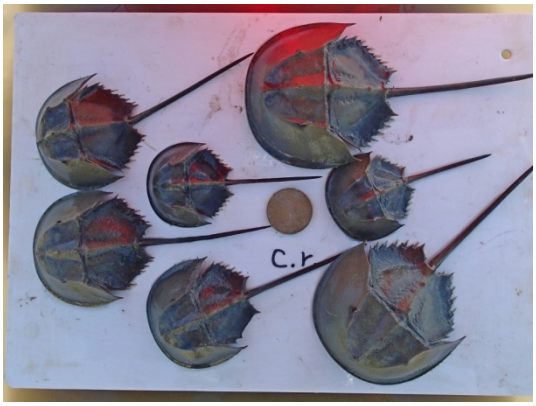
(Abberviations: STG# = Sighting Number; HRD SZ = Dolphin Herd Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance; BOAT ASSOC. = Fishing Boat Association; P/S: Sighting Made on Primary/Secondary Lines)

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
6-Jun-16	1	1556	1	NE LANTAU	2	ND	OFF	HKLR	821150	818561	SUMMER	NONE	N/A

APPENDIX I

Mudflat Monitoring Results

TC1 *Carcinoscorpius rotundicauda*



TC1 *Tachypleus tridentatus*

TC2 *Carcinoscorpius rotundicauda*

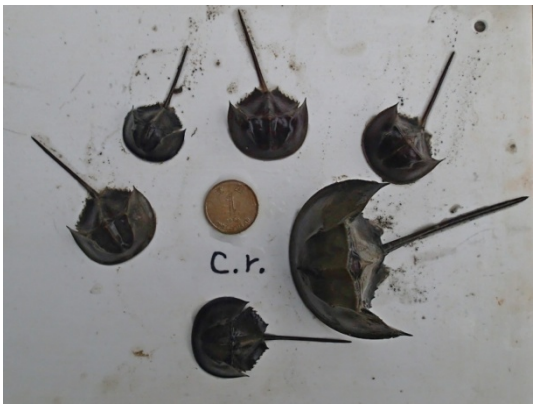


Figure 3.1. *Examples of photographic records of horseshoe crab (Jun. 2016)*

TC3 *Carcinoscorpius rotundicauda*

TC3 *Tachypleus tridentatus*

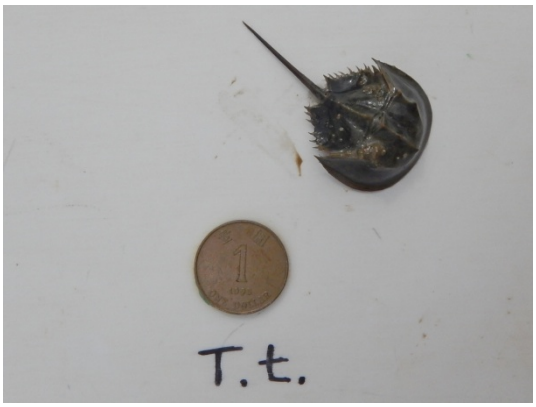
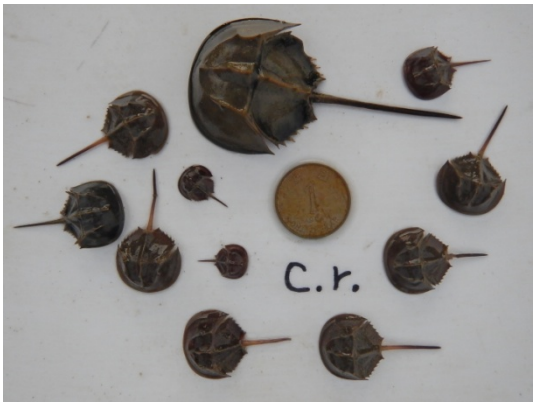


Figure 3.1 (Cont'd). *Examples of photographic records of horseshoe crab (Jun. 2016)*

ST *Carcinoscorpius rotundicauda*



ST *Tachypleus tridentatus*

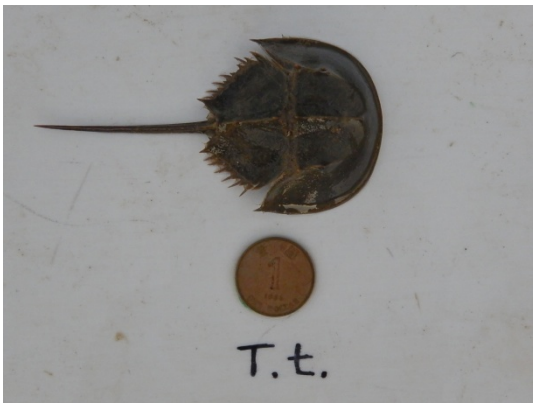


Figure 3.1 (Cont'd). *Examples of photographic records of horseshoe crab (Jun. 2016)*

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	20	6	66	89
mean prosomal width (mm)	49.57	42.43	30.42	40.30
max. prosomal width (mm)	142.72	74.17	86.54	75.41
min. prosomal width (mm)	15.24	30.38	11.76	12.00
Search record (ind. hr^{-1} $person^{-1}$)	5.0	1.5	11.0	14.8
Tachypleus tridentatus				
no. of individuals	2		18	27
mean prosomal width (mm)	44.74		45.16	60.28
max. prosomal width (mm)	53.71	N.A.	54.58	80.03
min. prosomal width (mm)	35.77		28.89	43.16
Search record (ind. hr^{-1} $person^{-1}$)	0.5		3.0	4.5

* Three tiny juvenile horseshoe crabs were too small to be identified in TC3 while they were exclused from data anlysis.

Figure 3.2. *Photographic records of mating pair (above) and moult (below) of Carcinoscorpius rotundicauda (Mar.2015)*

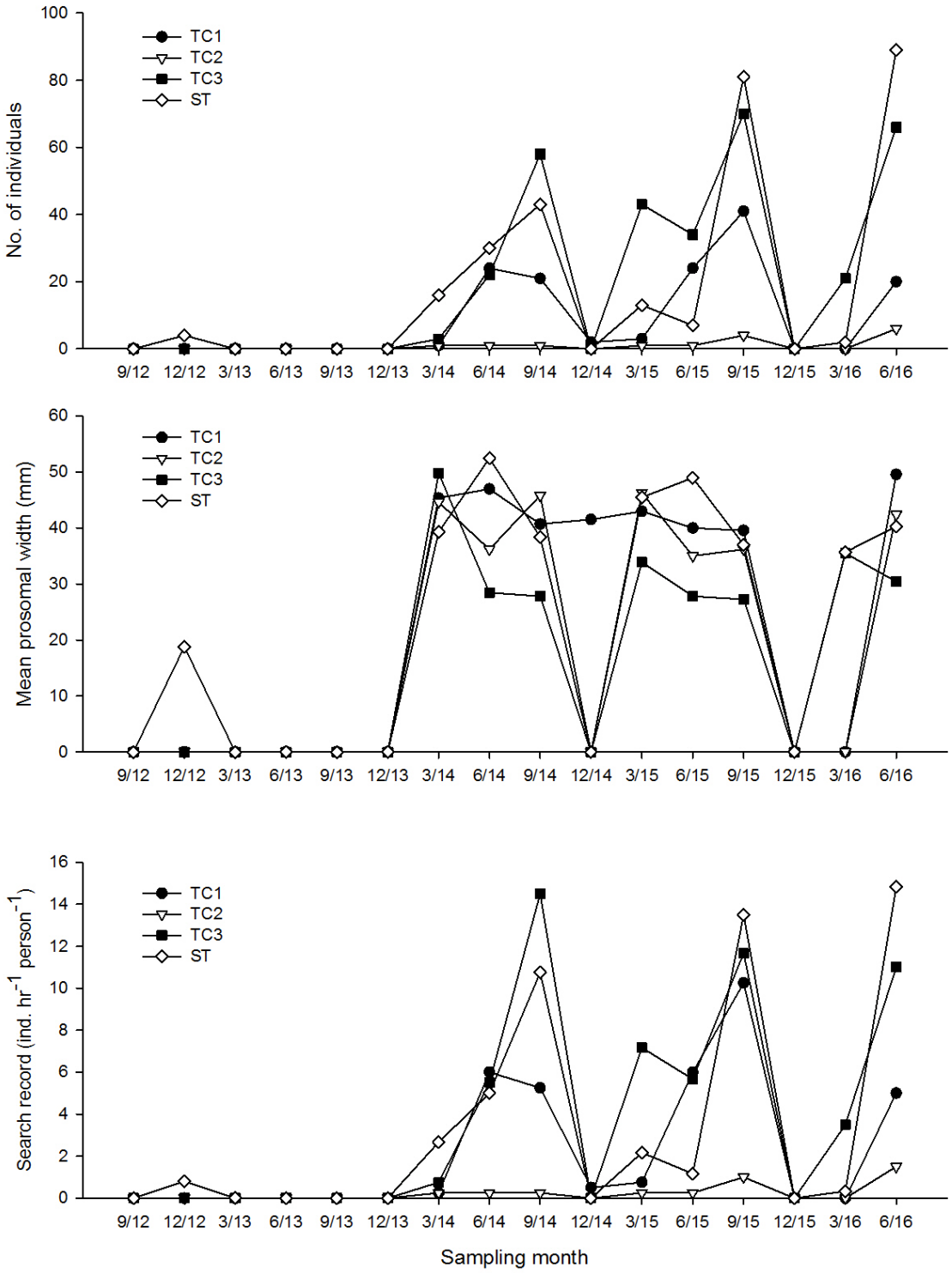


Figure 3.3. *Changes of number of individuals, mean prosomal width and search record of horseshoe crab Carcinoscorpius rotundicauda in every sampling zone along the sampling months*

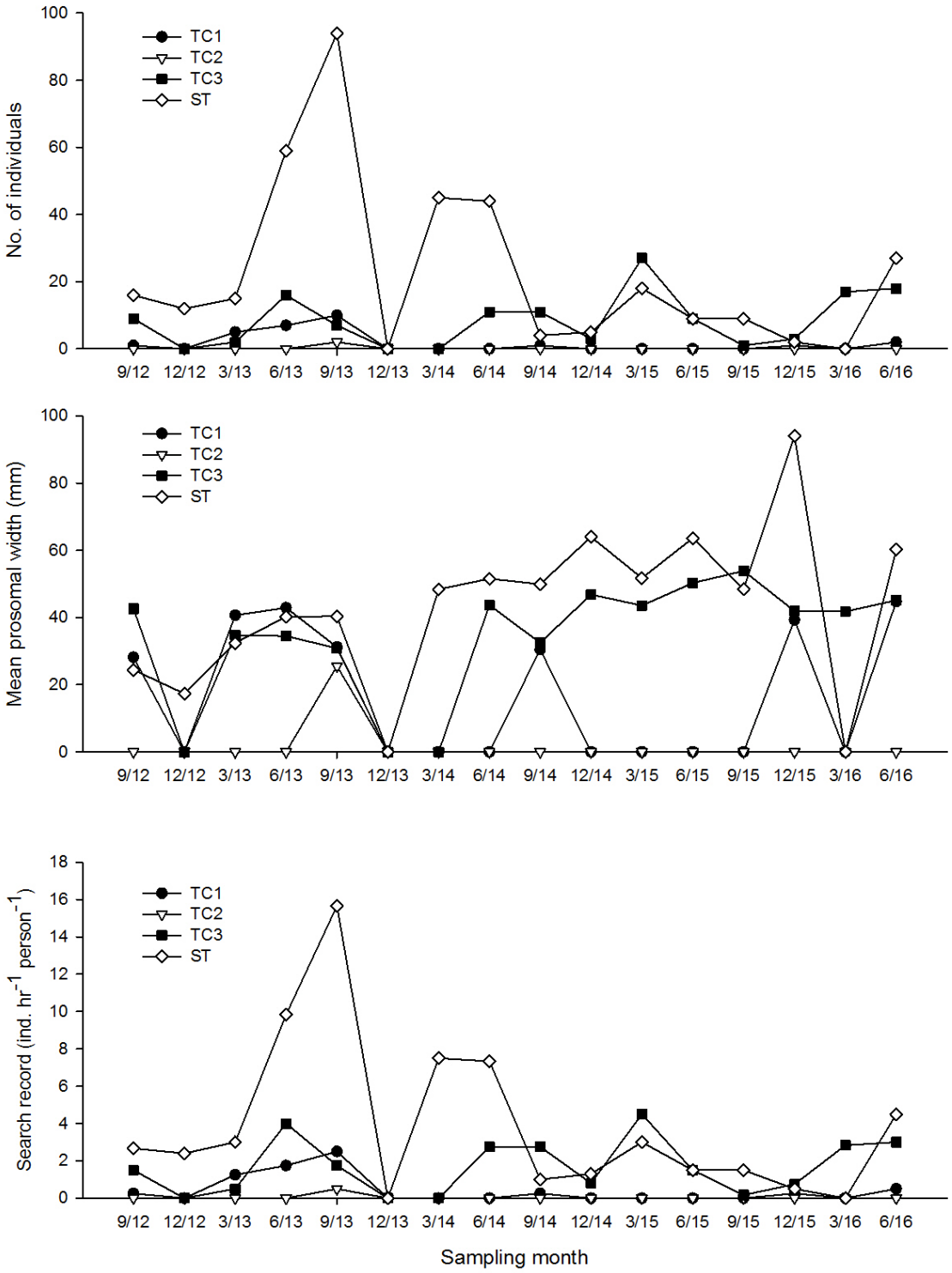


Figure 3.4. *Changes of number of individuals, mean prosomal width and search record of horseshoe crab Tachypleus tridentatus in every sampling zone along the sampling months*

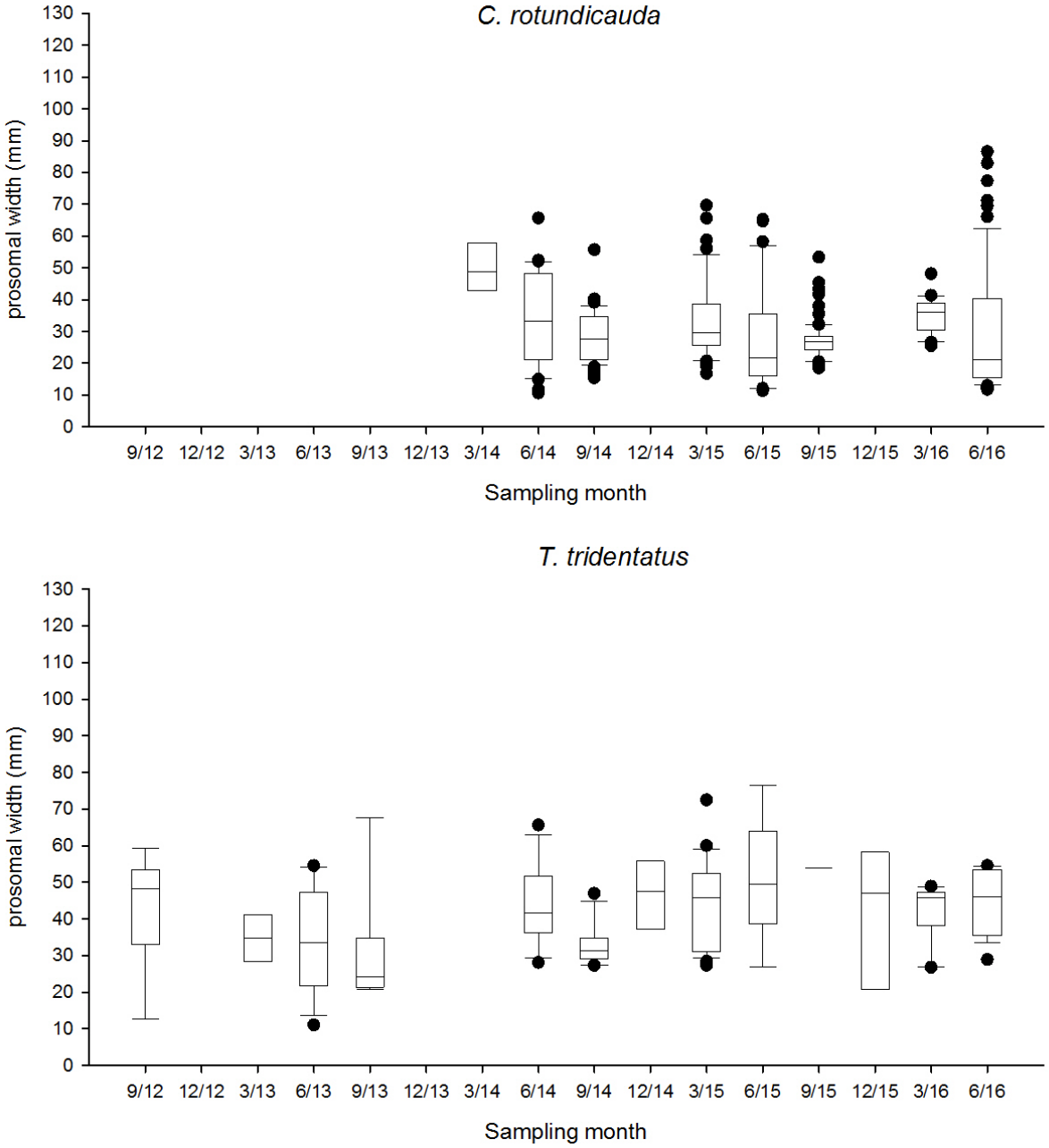


Figure 3.5. *Box plot of prosomal width of horseshoe crab in the sampling zone TC3 along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively. The black circle dots showed the data of outliner.)*

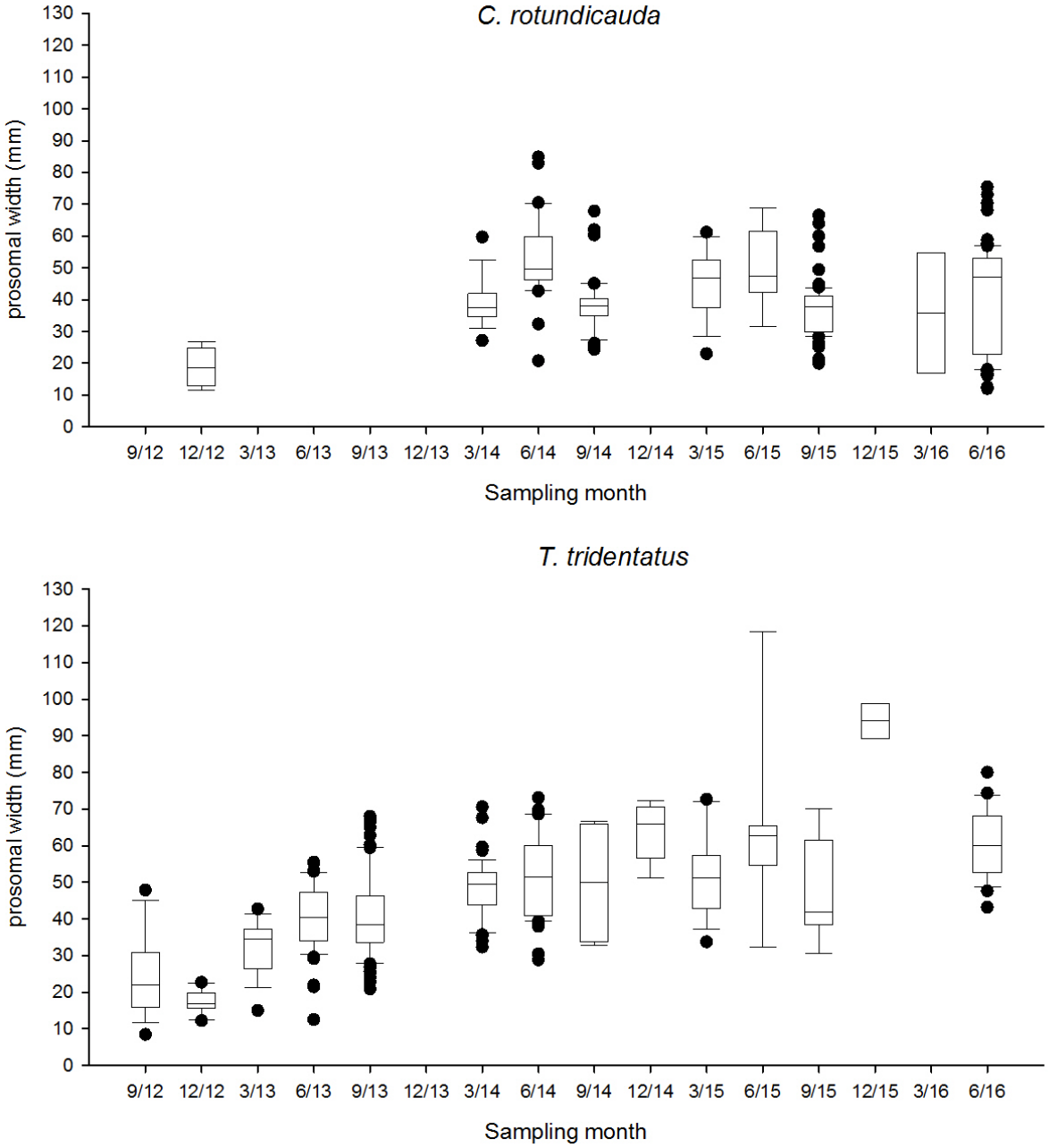
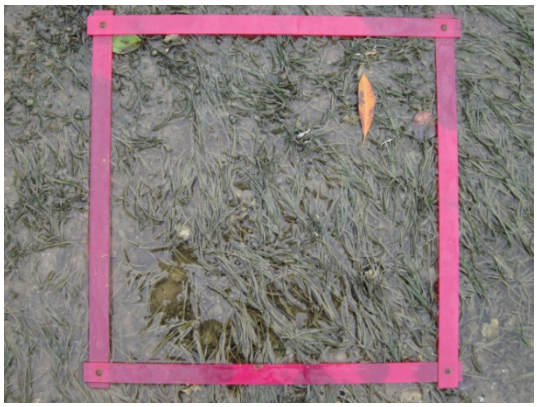


Figure 3.6. *Box plot of prosomal width of horseshoe crab in the sampling zone ST along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively. The black circle dots showed the data of outliner.)*

ST *Halophila ovalis*


ST *Zostera japonica*

Two seagrass species coexisted in one long strand of seagrass bed


Figure 3.7. *Examples of photographic records of seagrass beds survey (Jun. 2016)*

Table 3.2. *Summary of seagrass beds survey*

Sampling zone	ST	
	Halophila ovalis	*Zostera japonica*
Number of patches	4	1
Total area (m^2)	4707.3	114.9
Average area (m^2)	1176.8	\

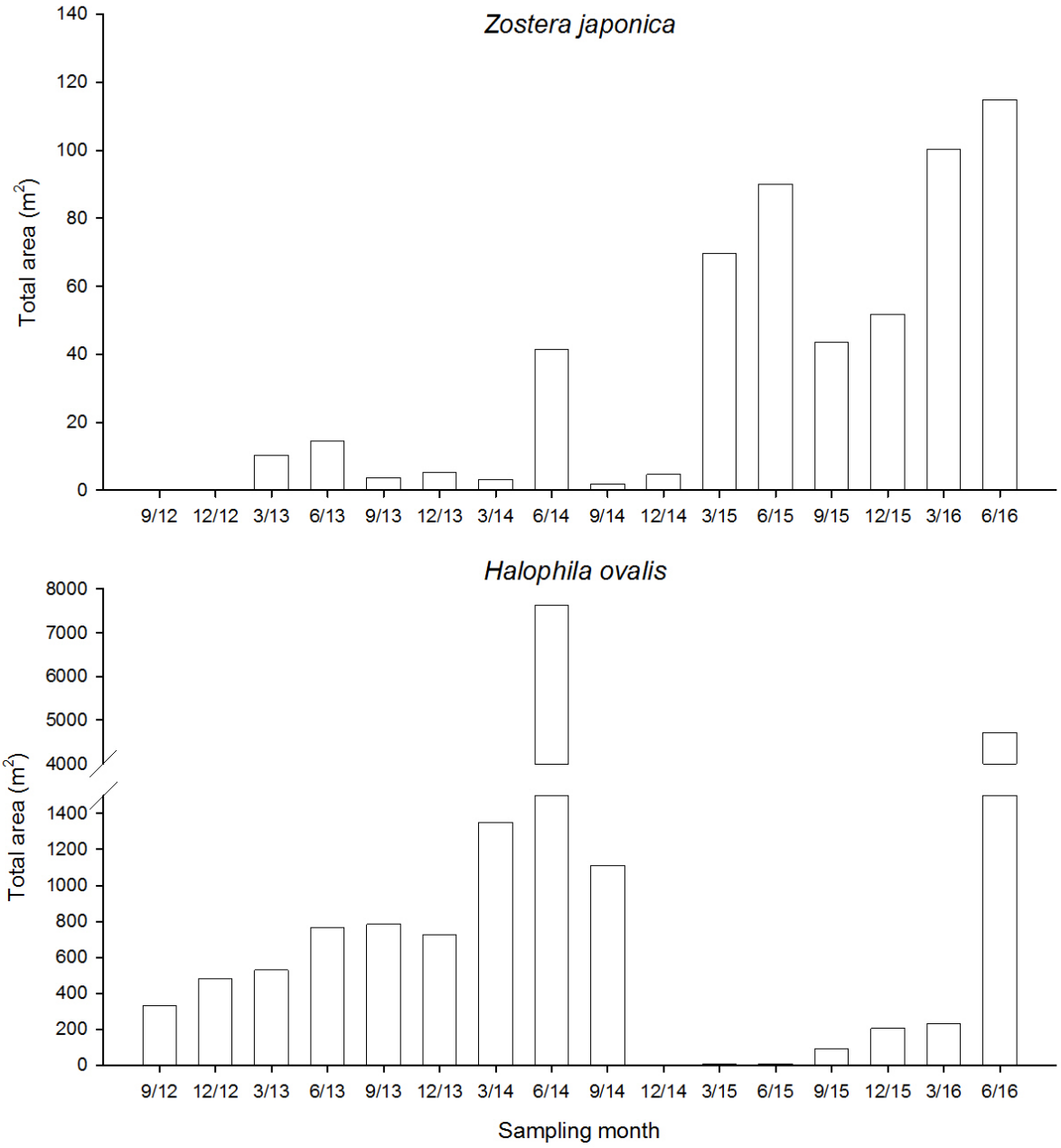


Figure 3.8. *Temporal changes of estimated total area of seagrass beds in ST*

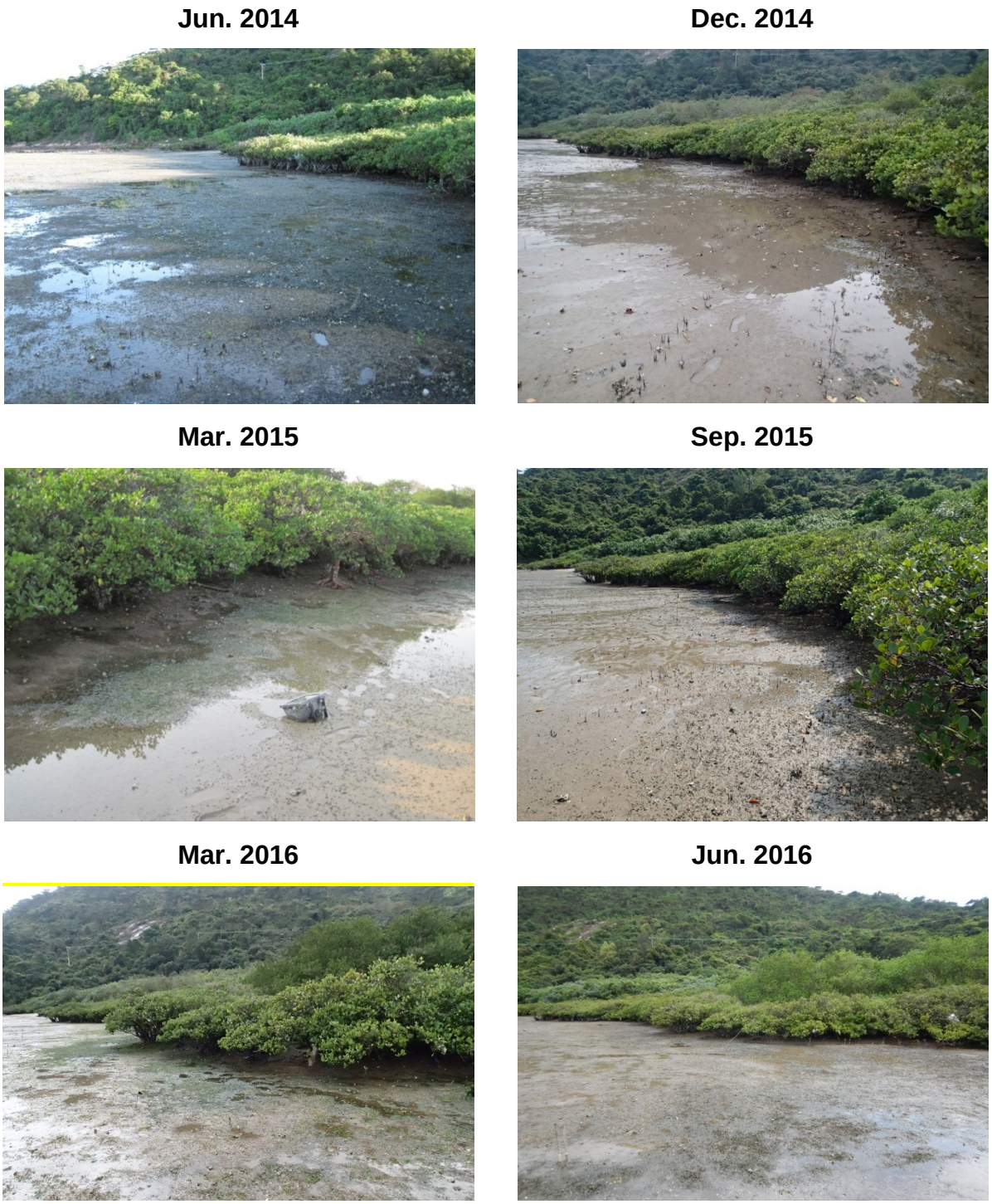


Figure 3.9. *Comparison of pictures taken in different sampling months shows the disappearance and recolonization of seagrass beds.*

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	90	10	
TC2	H	10	40	50
	M	20	60	20
	L	10	60	30
TC3	H		70	30
	M		100	
	L	70	10	20
ST	H	100		
	M	80	20	
	L	40	20	40

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

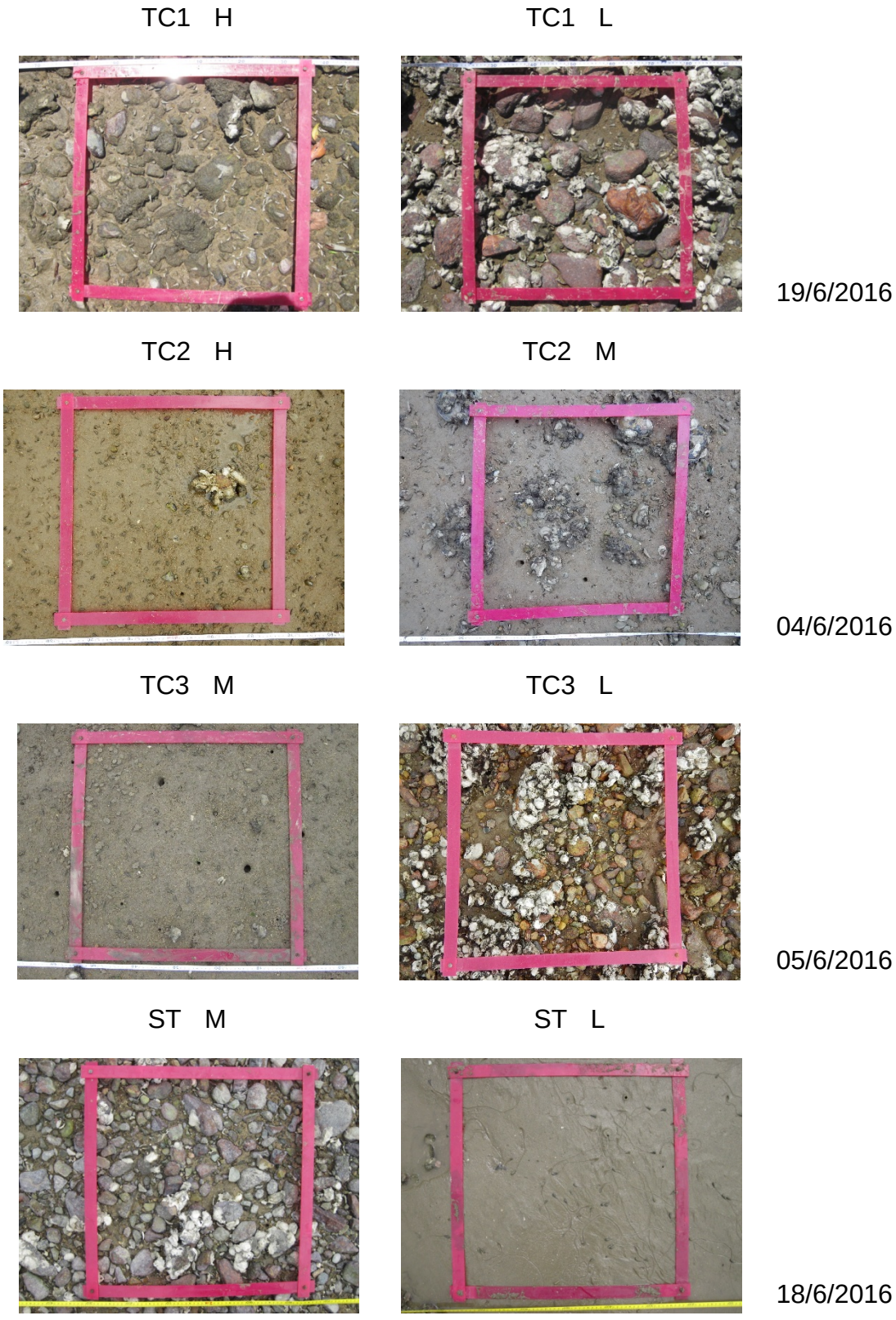


Figure 3.10. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

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

Phylum	Total Abundance	%	Density (ind. m^{-2})	Number of taxon
Jun. 2016				
Mollusca	14722	96.2	491	40
Arthropoda	328	2.1	11	18
Annelida	123	0.8	4	14
Sipuncula	43	0.3	1	2
Cnidaria	38	0.2	1	1
Nemertea	28	0.2	1	1
Echiura	21	0.1	1	1
Chordata	1	0.0	0	1
Total	15304			

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	15	0.3	2	67	2.5	9	25	0.5	3	16	0.5	2
Arthropoda	51	1.1	7	100	3.7	13	110	2.4	15	67	2.1	9
Chordata										1	0.0	0
Cnidaria	2	0.0	0							36	1.1	5
Echiura	11	0.2	1				10	0.2	1			
Mollusca	4662	97.6	622	2513	93.6	335	4435	96.6	591	3112	95.8	415
Nemertea	14	0.3	2	3	0.1	0	2	0.0	0	9	0.3	1
Sipuncula	22	0.5	3	3	0.1	0	10	0.2	1	8	0.2	1
Sub-total	4777			2686			4592			3249		

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*	413	54	54
	G	*Cerithidea cingulata*	165	22	75
	G	*Cerithidea djadjariensis*	110	14	90
Mid	G	*Monodonta labio*	119	22	22
	G	*Cerithidea cingulata*	109	20	43
	G	*Batillaria multiformis*	88	16	59
	Bi	*Saccostrea cucullata*	75	14	73
Low	G	*Monodonta labio*	144	24	24
	Bi	*Saccostrea cucullata*	139	23	46

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	*Cerithidea djadjariensis*	322	51	51
	G	*Cerithidea cingulata*	167	27	78
Mid	G	*Cerithidea djadjariensis*	85	28	28
	Bi	*Saccostrea cucullata*	75	25	53
	G	*Batillaria zonalis*	56	18	71
	G	*Cerithidea cingulata*	34	11	82
Low	G	*Batillaria zonalis*	36	25	25
	Bi	*Saccostrea cucullata*	35	24	49
	G	*Cerithidea djadjariensis*	20	14	63

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	*Batillaria multiformis*	203	33	33
	G	*Cerithidea djadjariensis*	195	32	65
	G	*Cerithidea cingulata*	192	31	96
Mid	G	*Cerithidea djadjariensis*	282	45	45
	G	*Cerithidea cingulata*	220	35	81
Low	Bi	*Saccostrea cucullata*	202	34	34
	G	*Monodonta labio*	147	25	58
	G	*Cerithidea djadjariensis*	106	18	76

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*	186	36	36
	G	*Batillaria multiformis*	123	23	59
	G	*Cellana toreuma*	61	12	71
	Bi	*Saccostrea cucullata*	60	11	82
Mid	G	*Monodonta labio*	158	28	28
	Bi	*Saccostrea cucullata*	111	20	48
Low	G	*Cerithidea cingulata*	49	22	22
	G	*Cerithidea djadjariensis*	43	20	42
	G	*Lunella coronata*	29	13	55
	Bi	*Saccostrea cucullata*	26	12	67

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	8		767		0.9		0.4	
	M	14	13	535	637	1.8	1.5	0.7	0.6
	L	16		608		1.9		0.7	
TC2	H	10		626		1.3		0.6	
	M	9	9	304	358	1.5	1.5	0.7	0.7
	L	8		144		1.7		0.8	
TC3	H	6		615		1.0		0.6	
	M	8	8	623	612	1.1	1.2	0.6	0.6
	L	11		599		1.5		0.6	
ST	H	12		524		1.6		0.7	
	M	14	12	558	433	1.8	1.7	0.7	0.7
	L	10		218		1.7		0.7	

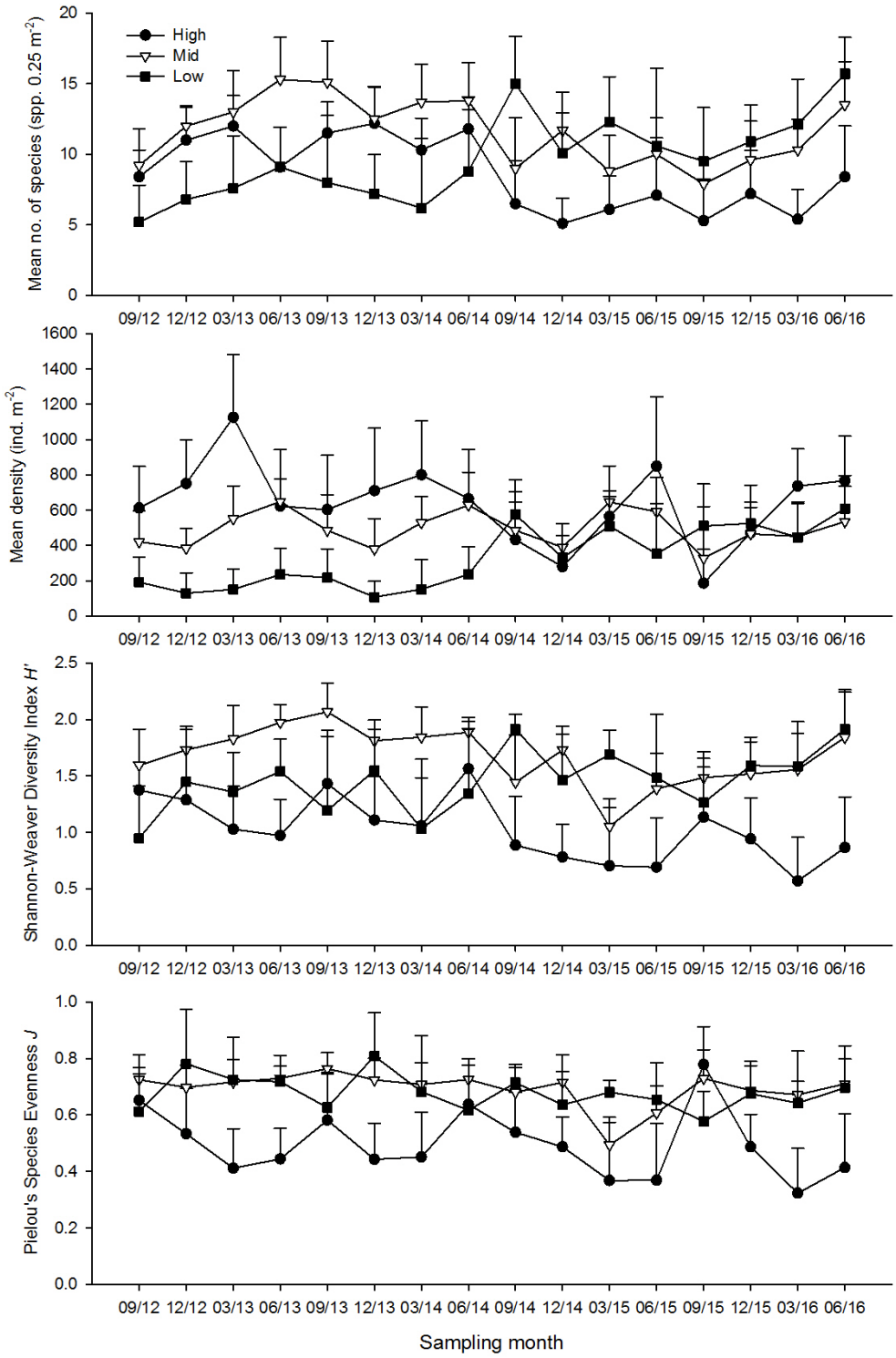


Figure 3.11. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC1*

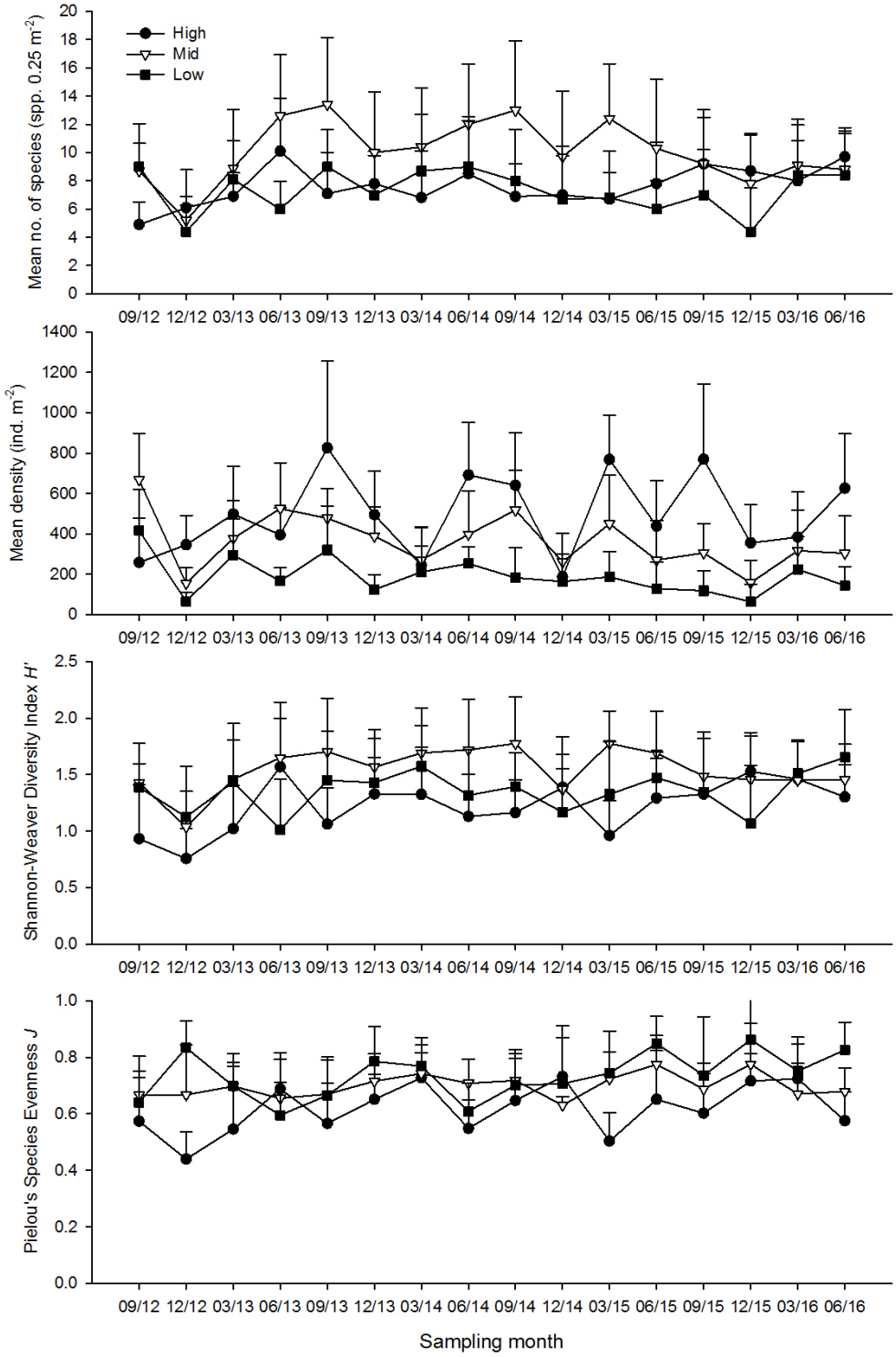


Figure 3.12. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC2*

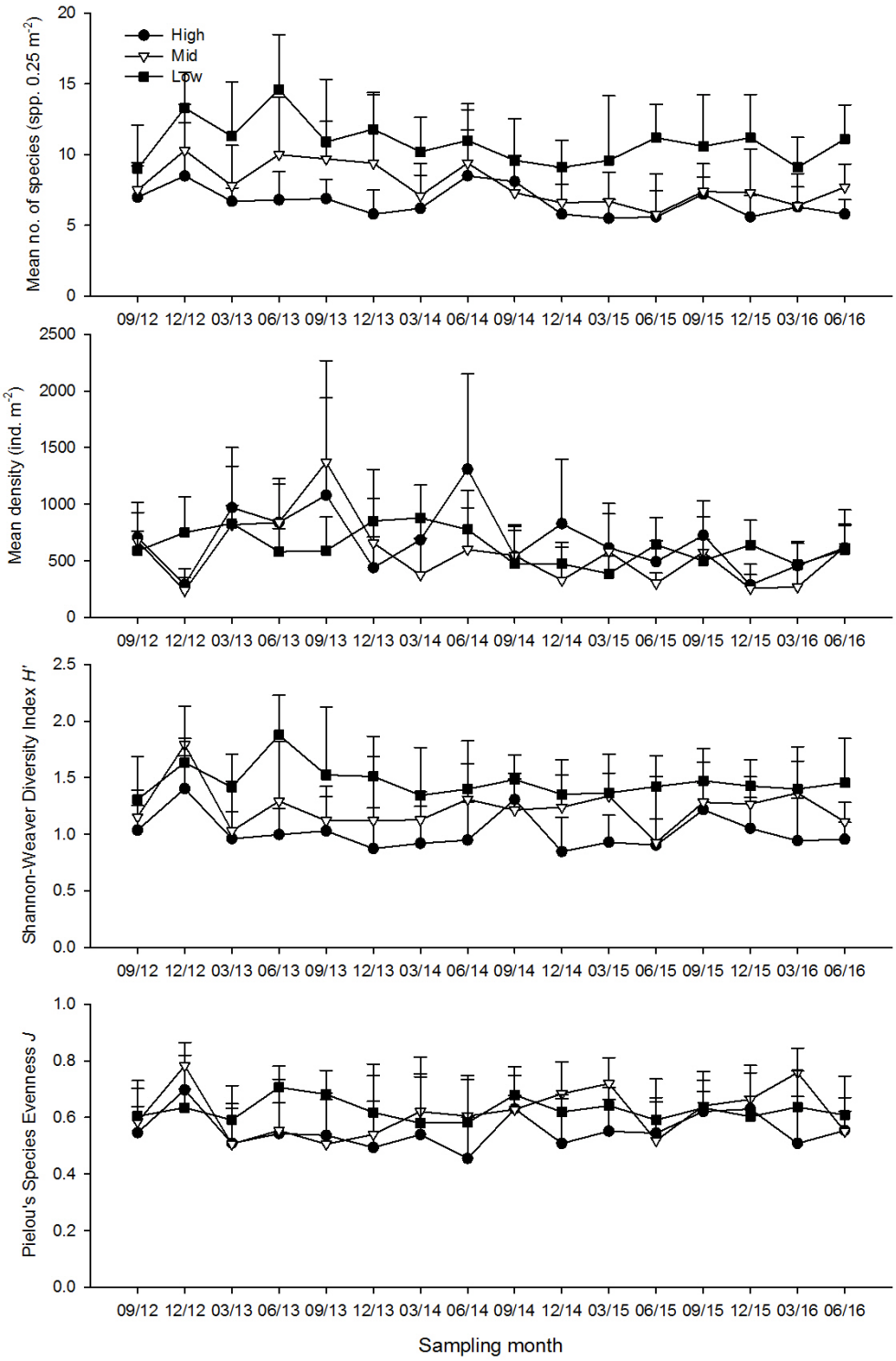


Figure 3.13. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC3*

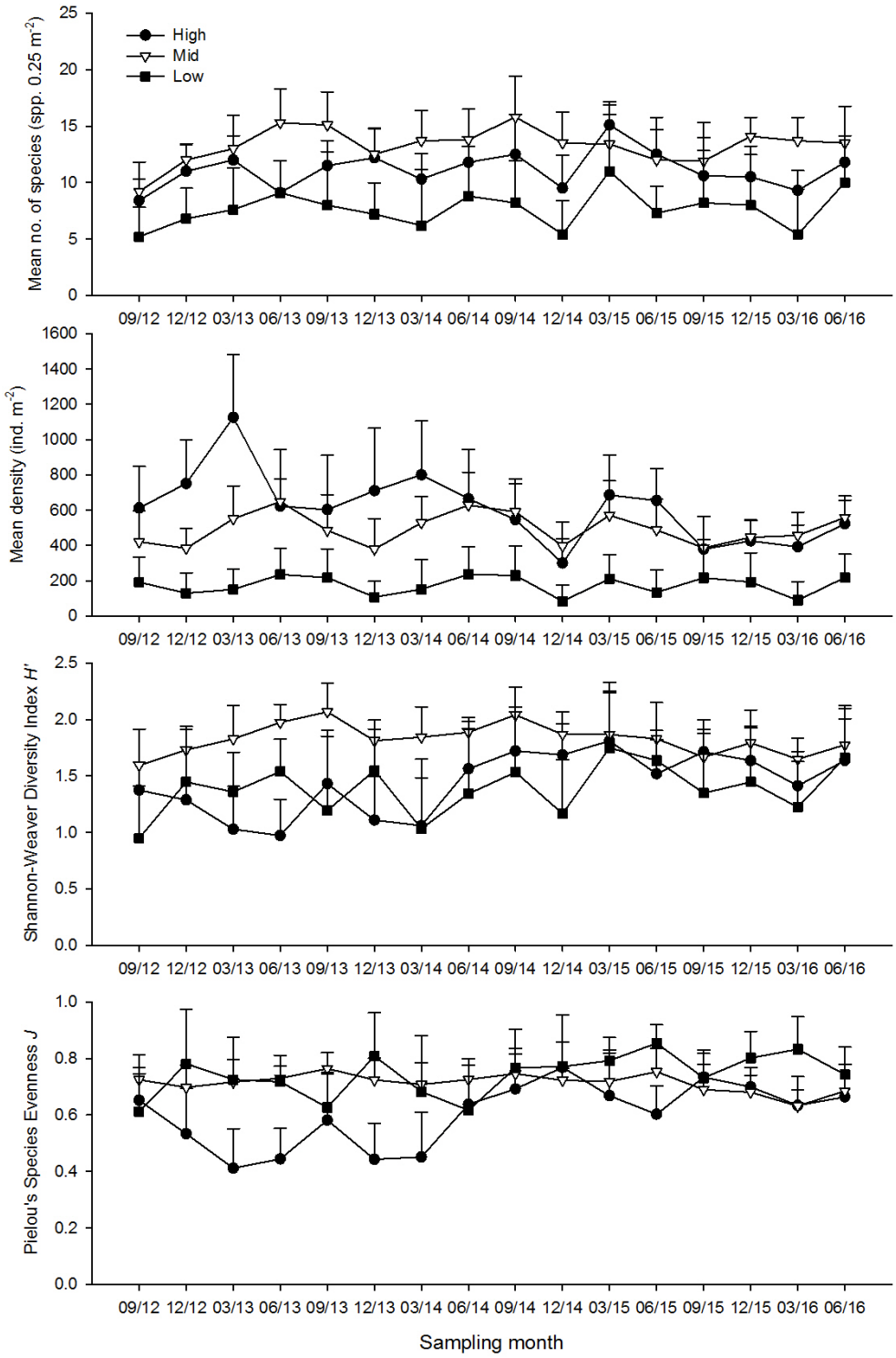


Figure 3.14. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone ST*

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)							
Sampling site TC1 (Search hour = 2 hrs)				*Carcinoscorpius rotundicauda*							*Tachypleus tridentatus*
1	M	22° 17.031' N	113° 55.978' E	48.46							
2	S	22° 16.994' N	113° 55.986' E	15.58	16.45	17.69	26.85	27.76			
3	S	22° 17.007' N	113° 55.985' E	15.24							53.71
4	S	22° 17.021' N	113° 55.983' E	50.13	31.45						35.77
5	S	22° 17.034' N	113° 55.971' E	81.20	47.63	82.08	59.89	60.84	64.44	47.22	
				142.72							
6	M	22° 17.071' N	113° 55.986' E	74.81							
7	S	22° 17.056' N	113° 56.005' E	44.53							
8	S	22° 17.047' N	113° 56.028' E	36.51							
			No. of ind.	**20**							**2**
Sampling site TC2 (Search hour = 2 hrs)				*Carcinoscorpius rotundicauda*							*Tachypleus tridentatus*
1	M	22° 16.908' N	113° 55.900' E	30.38	39.07	37.58	37.51	35.85	74.17		
			No. of ind.	**6**							**0**

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

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° 16.952' N	113° 55.710' E	16.71	11.76							
2	S	22° 16.946' N	113° 55.706' E	15.10	15.40							
3	S	22° 16.938' N	113° 55.717' E	16.13	14.64	15.17	15.26	16.50	15.90			
4	M	22° 17.003' N	113° 55.682' E	42.81								
5	S	22° 17.004' N	113° 55.656' E								33.94	
6	S	22° 16.997' N	113° 55.654' E								35.32	45.93
7	S	22° 16.996' N	113° 55.648' E								44.78	
8	S	22° 16.966' N	113° 55.686' E	16.32	17.15	15.75	14.41	16.57	16.58	16.30		
				16.67								
9	S	22° 16.968' N	113° 55.686' E	13.81	13.19	12.44	12.76	12.95	12.68	12.16		
10	S	22° 16.975' N	113° 55.653' E	34.76	21.20	25.49	38.75				35.11	
11	S	22° 16.981' N	113° 55.650' E	36.94							54.41	
12	S	22° 17.013' N	113° 55.638' E	14.83	29.16	21.03	16.65	17.74	40.89	17.23		
				56.58								

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

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*			
13	S	22° 17.020' N	113° 55.638' E	50.51	27.52	21.69	13.19	22.52	36.77	13.17	39.81	53.25	35.46	50.54
				21.12	34.95									
14	S	22° 17.058' N	113° 55.621' E	32.91	71.16	34.45	39.00	47.20	45.29	69.43	52.57	28.89	54.30	51.66
				40.30	29.71	60.27								
15	S	22° 17.066' N	113° 55.646' E	77.29	66.08	60.70	86.54	52.01	35.20	49.50	46.14	53.96	54.58	42.22
				82.91										
		No. of ind.		**66**							**18**			

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

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° 17.165' N	113° 55.503' E	56.90	52.79	75.41	36.93	52.83	52.41	36.93	58.68	67.50	52.62	60.02	51.44	64.73	43.16
				68.16	54.21	52.93	72.98	50.33	70.37		53.92	62.52					
2	S	22° 17.173' N	113° 55.486' E	55.52	54.49	52.77	57.07	24.26	51.01	51.50	49.13	73.60	54.45	71.68	52.93	64.70	69.40
				22.29	48.17						73.77						
3	S	22° 17.198' N	113° 55.476' E	32.80	24.59	22.88	34.33	53.04	24.84	53.29	53.02						
				24.40	22.61	24.51	51.36	20.71	21.71	57.59							
				22.58	40.28	17.99	52.11	55.17	23.81								
4	S	22° 17.208' N	113° 55.492' E	46.19	54.75	52.22	54.71	34.46	50.70	52.30	80.03	51.47	47.63	61.27	49.58	74.37	61.29
				50.23	56.89	53.05	51.17	51.75	54.51	54.86	68.21						
				33.76	32.60	24.71	50.32	23.83	23.69	49.32							
				36.60	21.16	58.87	55.18	54.65	58.92	33.99							
				54.84	49.61	52.25											
5	S	22° 17.240' N	113° 55.495' E	45.35	12.51	12.00	22.44	23.74	22.07	20.83	56.33						
				21.91	22.70	16.17	21.46										

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

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*
6	S	22° 17.391' N	113° 55.459' E	19.03	17.73	16.51	17.75	
7	S	22° 17.388' N	113° 55.458' E	17.51	16.62			
			No. of ind.	**90**				**27**

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

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 (search hour = 2 hrs) &TC2 (search hour = 2 hrs) & TC3(search hour = 3 hrs)						
No record						
ST (search hour = 3 hrs)		*Halophila ovalis*				
45.6	80	\	22º 17.103' N	113º 55.578' E		A small patch of seagrass bed at tidal zone 0.5-1.0 m above C.D.
28.5	60	horizontal	22º 17.099' N	113º 55.574' E	--	A medium patch of seagrass bed at tidal zone 0.5-1.0 m above C.D.
		shoreline	22º 17.105' N	113º 55.570' E		
4162.7	70	horizontal	22º 17.116' N	113º 55.554' E	--	
		shoreline	22º 17.165' N	113º 55.502' E		An entensive patch of seagrass bed at tidal zone 0.5-1.0 m above C.D.
		vertical	22º 17.128' N	113º 55.554' E	--	
		shoreline	22º 17.119' N	113º 55.538' E		
470.5	10-100	horizontal	22º 17.220' N	113º 55.474' E	--	A large, horizontal strand of two coexisting seagrass species nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
		shoreline	22º 17.169' N	113º 55.479' E		
ST (search hour = 3 hrs)		*Zostera japonica*				
114.9	70	horizontal	22º 17.217' N	113º 55.473' E	--	A large, horizontal strand of two coexisting seagrass species nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
		shoreline	22º 17.198' N	113º 55.472' E		

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

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Annelida	Clitellata			Marine oligochaete spp.
Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Eunicidae spp.
Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae	Lumbrineridae spp.
Animalia	Annelida	Polychaeta	Eunicida	Onuphidae	Onuphidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Goniadidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae 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	Cirratulidae	Cirratulidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinariidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Annelida	Polychaeta		Orbiniidae	Orbiniidae spp.
Animalia	Arthropoda	Malacostraca	Amphipoda		Amphipoda spp.
Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	*Alpheus brevicristatus*
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	*Diogenes* sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Grapsidae	*Metopograpsus latifrons*
Animalia	Arthropoda	Malacostraca	Decapoda	Leucosiidae	*Philyra carinata*
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Macrophthalmus erato*
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Uca borealis*
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Uca crassipes*
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	Paguridae	*Pagurus dubius*
Animalia	Arthropoda	Malacostraca	Decapoda	Penaeidae	*Penaeus* sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Penaeidae	Unidentified juvenile shrimp
Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	*Scylla serrata*
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	*Nanosesarma minutum*
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	*Hemigrapsus penicillatus*
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	*Balanus amphitrite*

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

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	Gobiidae spp.
Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	*Diadumene lineata*
Animalia	Echiura				Echiura spp.
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	Glauconomidae	*Glauconome chinensis*
Animalia	Mollusca	Bivalvia	Veneroida	Lucinidae	*Anodontia stearnsiana*
Animalia	Mollusca	Bivalvia	Veneroida	Mesodesmatidae	*Caecella chinensis*
Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	*Tellina* sp.
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	*Anomalocardia squamosa*
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	*Circe* sp.
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	*Cyclina sinesis*
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	*Ruditapes philippinarum*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	*Batillaria bornii*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	*Batillaria multiformis*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	*Batillaria zonalis*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea cingulata*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea djadjariensis*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea rhizophorarum*
Animalia	Mollusca	Gastropoda	Cephalaspidea	Philinidae	*Philine vitrea*
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	*Littoraia melanostoma*
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	*Littoraria articulata*
Animalia	Mollusca	Gastropoda	Littorinimorpha	Rissoinidae	*Rissoina plicatula*
Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	*Pisania ignea*
Animalia	Mollusca	Gastropoda	Neogastropoda	Muricidae	*Thais luteostoma*

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	Neogastropoda	Nassariidae	*Nassarius festivus*
Animalia	Mollusca	Gastropoda	Systellommatophora	Onchidiidae	*Onchidium* sp.
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	Mollusca	Scaphopoda	Dentaliida	Dentaliidae	*Dentalium sinuosum*
Animalia	Nemertea				Nemertea spp.
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	*Siphonosoma cumanense*
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	*Sipunculus nudus*

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

Jun 2016 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
Ba	*Balanus amphitrite*					1																1
Bi	*Cyclina sinesis*				1																	1
Bi	*Geloina erosa*					3																3
Bi	*Glauconome chinensis*				1																	1
Bi	*Saccostrea cucullata*	5		5		8				4		2								6		30
Bi	*Xenostrobus atratus*					3		1		2		1						1				8
C	*Hemigrapsus penicillatus*					1																1
C	*Nanosesarma minutum*					2				1		1										4
C	*Uca vocans*			4										1								5
Eh	Echiura spp.							2		1						3						6
G	*Batillaria bornii*																	1				1
G	*Batillaria multiformis*	14		31	1	18		191		221		142		128		127		125		34		1032
G	*Batillaria zonalis*	1																				1
G	*Cerithidea cingulata*	252		91	4	44		1		9						4		4		4		413
G	*Cerithidea djadjariensis*	13		78	2	113		10		13						13		7		25		274
G	*Cerithidea rhizophorarum*					2				2						2						6
G	*Clithon faba*	6														4		4				14
G	*Clithon oualaniensis*			1						1						5		4		1		12
G	*Littoraia melanostoma*	1																				1

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

Jun 2016 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	*Littoraria articulata*									5				2				5				12
G	*Lunella coronata*			2																		2
G	*Monodonta labio*					14				2				27		18		8				69
G	*Nerita polita*																	1				1
G	*Onchidium* sp.																	1				1
G	*Patelloida pygmaea*					2		1														3
G	*Rissoina plicatula*																	6				6
Ne	Nemertea spp.					3																3
Ol	Marine oligochaete spp.									1												1
P	Ampharetidae spp.				3																	3
P	Nereididae spp.				1																	1
S	Unidentified juvenile shrimp	1																				1
Sp	*Sipunculus nudus*									1												1

Total 1918

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

Jun 2016 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*	2																				2
Bi	*Barbatia virescens*													3						1		4
Bi	*Geloina erosa*			1																		1
Bi	*Hiatella arctica*					2		1		1		2		7						4		17
Bi	*Ruditapes philippinarum*									1										2		3
Bi	*Saccostrea cucullata*	13		5		46		22		9		21		26		25		9		11		187
Bi	*Xenostrobus atratus*	4						2		1		4		4						2		17
C	*Nanosesarma minutum*									2				1		2						5
C	*Uca lactea*			8						2												10
Eh	Echiura spp.					3						2										5
G	*Batillaria bornii*	1	3																			4
G	*Batillaria multiformis*	9				44		27		22		39		14		52		9		3		219
G	*Batillaria zonalis*	4		1	2																	7
G	*Cellana grata*																			1		1
G	*Cellana toreuma*	6				4		3		3		6		6		10		10		12		60
G	*Cerithidea cingulata*	133		77	2	21		9		21						1		1		7		272
G	*Cerithidea djadjariensis*	7		8		26		10		18				4		6		4		4		87
G	*Cerithidea rhizophorarum*							1		2								3		1		7
G	*Clithon faba*	1												2		5		3		4		15

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

Jun 2016 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	*Clithon oualaniensis*					1				1				9		6		2		3		22
G	*Euchelus scaber*															1						1
G	*Lepidozona* sp.	1						3				1										5
G	*Littoraria articulata*											7								1		8
G	*Lunella coronata*	11				2		1		3						12		8		6		43
G	*Monodonta labio*	9				23		13		2		110		48		47		23		22		297
G	*Nerita polita*											1		1		2						4
G	*Nipponacmea concinna*							1				1		2		2				3		9
G	*Patelloida pygmaea*					3		2		2		2								1		10
Ne	Nemertea spp.	1				2		5		1				1								10
P	Ampharetidae spp.				1																	1
P	Maldanidae spp.				1																	1
P	Oweniidae spp.		1																			1
P	Polynoidae spp.											1										1
S	*Penaeus* sp.		1																			1
Sp	*Sipunculus nudus*									1												1

Total 1338

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

Jun 2016 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
Ba	*Balanus amphitrite*			1				1				3		1								6
Bi	*Anodontia stearnsiana*													1								1
Bi	*Barbatia virescens*			12				9		1		4				6		1		5		38
Bi	*Circe* sp.						1															1
Bi	*Hiatella arctica*	9		1				3		6		5		5		1		7				37
Bi	*Ruditapes philippinarum*													1		2				4		7
Bi	*Saccostrea cucullata*	85		93		6		33		35		34		11		35		6		9		347
Bi	*Xenostrobus atratus*	11		8						2		3										24
C	*Hemigrapsus penicillatus*													1				1				2
C	*Nanosesarma minutum*			2								1		2				1		1		7
C	*Uca lactea*					5																5
Cn	*Diadumene lineata*	2																				2
G	*Batillaria bornii*							3		1				2								6
G	*Batillaria multiformis*	13		1		1	3			2		3		39		6		5		3		76
G	*Batillaria zonalis*					4	1															5
G	*Cellana toreuma*	22		5				5		17		13		33		15		20		9		139
G	*Cerithidea cingulata*	1				3		84		2		3		1		1		1		9		105
G	*Cerithidea djadjariensis*	9		3		62		18		5		3		7		2		4		4		117
G	*Cerithidea rhizophorarum*	1				4		2										1		2		10

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

Jun 2016 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	*Clithon faba*											4				3		2		5		14
G	*Clithon oualaniensis*	1						3		5		5		6		2						22
G	*Euchelus scaber*			1						6		3		3		2		2				17
G	*Lepidozona* sp.	2								2				1		3						8
G	*Lunella coronata*	6		5		1		4		24		18		19		9		5		8		99
G	*Monodonta labio*	16		108						4		39		32		55		74		32		360
G	*Nerita polita*			1								1				3						5
G	*Nipponacmea concinna*	3		1								4		1		3		4		6		22
G	*Patelloida pygmaea*	2						2		5								2				11
Hc	*Pagurus dubius*															1						1
Ne	Nemertea spp.			1																		1
P	Ampharetidae spp.											1										1
P	Cirratulidae spp.											1				1						2
P	Maldanidae spp.						1															1
P	Nereididae spp.						1									1						2
Sp	*Sipunculus nudus*	3		11				4												2		20
																					Total	1521

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

Jun 2016 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*	1				2						8				1		1		1		14
Bi	*Barbatia virescens*			1		1																2
Bi	*Laternula anatina*																		2			2
Bi	*Saccostrea cucullata*	12		6		12				1		2				7		18		36		94
Bi	*Xenostrobus atratus*	3																				3
C	*Hemigrapsus penicillatus*																	1				1
C	*Metopograpsus latifrons*					1																1
C	*Uca lactea*			4		6		1		1						1						13
C	*Uca* sp.											1										1
G	*Batillaria bornii*																			2		2
G	*Batillaria multiformis*	11				1				4		5		7	1	1		1		11		42
G	*Batillaria zonalis*											8		1		2		9				20
G	*Cerithidea cingulata*	1		17		11		17		71	2	97	1	34		55		66	2	43		417
G	*Cerithidea djadjariensis*	17		45	2	59		73	1	124	1	144	1	81		86	2	114	1	55		806
G	*Cerithidea rhizophorarum*	3				2		3		7		7	1	3		5		1		3		35
G	*Clithon oualaniensis*			3				1		3								3		1		11
G	*Littoraria articulata*	9																				9
G	*Lunella coronata*													1		1		2		4		8
G	*Monodonta labio*	38				3										4		11		9		65

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

Jun 2016 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	*Philine vitrea*			1						2												3
P	Ampharetidae spp.				1				2		3						1				2	9
P	Cirratulidae spp.								1													1
P	Lumbrineridae spp.				1																	1
P	Maldanidae spp.								1													1
P	Nereididae spp.												1						2		1	4
Sp	*Sipunculus nudus*					1																1
																					Total	1566

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

Jun 2016 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*																			2		2
Bi	*Anomalocardia squamosa*																1					1
Bi	*Barbatia virescens*									1												1
Bi	*Laternula anatina*						1						1									2
Bi	*Ruditapes philippinarum*											1										1
Bi	*Saccostrea cucullata*	5		23						12		2		71		11		60		3		187
Bi	*Xenostrobus atratus*	1								2												3
C	*Hemigrapsus penicillatus*													1								1
C	*Nanosesarma minutum*									1				1								2
C	*Uca lactea*					14						11				1						26
G	*Batillaria bornii*									2							1	1				4
G	*Batillaria multiformis*						1			1				3		1		8				14
G	*Batillaria zonalis*					5	1	2		18		3		4	1	13	7	48	1	35	1	139
G	*Cellana toreuma*									1										1		2
G	*Cerithidea cingulata*					10		4		6		4		11		34		8		6	2	85
G	*Cerithidea djadjariensis*			1		34		19		19		14		20		34		24		46	1	212
G	*Cerithidea rhizophorarum*	1						1												2		4
G	*Euchelus scaber*									2												2
G	*Littoraria articulata*	1		1																		2

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

Jun 2016 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	*Lunella coronata*					1				9		1		4		1		10				26
G	*Monodonta labio*	11		6										2				1				20
G	*Nerita polita*													1								1
G	*Patelloida pygmaea*			1										1								2
Hc	*Pagurus dubius*																	1				1
P	Ampharetidae spp.						1	1					1						1		1	5
P	Maldanidae spp.								6			1	1								1	9
P	Nereididae spp.								2													2
S	Unidentified juvenile shrimp																1					1
Sp	*Sipunculus nudus*													2								2
																					Total	759

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

Jun 2016 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*	1		2				3		16										11		33
Bi	*Anodontia stearnsiana*					1	3								2		2				3	11
Bi	*Anomalocardia squamosa*					1									1							2
Bi	*Barbatia virescens*							2		1												3
Bi	*Laternula anatina*				1																	1
Bi	*Saccostrea cucullata*	3		11				7		39								14		13		87
Bi	*Tellina* sp.																1					1
Bi	*Xenostrobus atratus*									2												2
C	*Nanosesarma minutum*			1																		1
C	*Philyra carinata*	1																				1
C	*Scylla serrata*					1																1
G	*Batillaria bornii*																			1		1
G	*Batillaria zonalis*	1			1	18		5	1	3		12		4		12	1	14		18		90
G	*Cerithidea cingulata*						1							2		4	2			1		10
G	*Cerithidea djadjariensis*	2		1		3	2	2		3				5		10		4		18		50
G	*Euchelus scaber*									1										1		2
G	*Lepidozona* sp.			1				1														2
G	*Lunella coronata*			3						14												17
G	*Monodonta labio*	1																				1

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

Jun 2016 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
G	*Nassarius festivus*														1							1
G	*Nipponacmea concinna*									1												1
G	*Patelloida pygmaea*									3												3
G	*Pisania ignea*									1												1
Hc	*Pagurus dubius*									1												1
Ne	Nemertea spp.						1			2												3
P	Ampharetidae spp.						1															1
P	Lumbrineridae spp.																1					1
P	Maldanidae spp.		1		1				2						2				2		1	9
P	Nereididae spp.		1		3		2						7	1	1		2		1			18
P	Onuphidae spp.		1		1	1			1												1	5
P	Pectinariidae spp.								1													1
																				Total		361

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

Jun 2016 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
A	Amphipoda spp.												1									1
Bi	*Caecella chinensis*								1													1
Bi	*Geloina erosa*											1										1
Bi	*Saccostrea cucullata*													3						3		6
C	*Uca lactea*	1										2		4		3		6		7		23
G	*Batillaria multiformis*	43	11	41	12	283		28		69	1	4		8				1	1	2	4	508
G	*Batillaria zonalis*			1		5																6
G	*Cerithidea cingulata*	74	13	57		52	2	104		72		52	1	23		18	1	3		7	1	480
G	*Cerithidea djadjariensis*	51	2	55		12	2	18		7	1	59		89	1	45		42	1	100	2	487
G	*Cerithidea rhizophorarum*	2								2				1		2		1		1		9
G	*Clithon oualaniensis*					3				3										1		7
G	*Lunella coronata*													1								1
G	*Monodonta labio*	2																				2
P	Ampharetidae spp.								1													1
P	Cirratulidae spp.																1					1
P	Maldanidae spp.								2				1									3
P	Nereididae spp.										1											1
																				Total		1538

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

Jun 2016 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	*Cyclina sinesis*					1																1
Bi	*Hiatella arctica*													1								1
Bi	*Saccostrea cucullata*													6				6		5		17
Bi	*Tellina* sp.								1													1
Bi	*Xenostrobus atratus*													1								1
C	*Nanosesarma minutum*	1		1				1														3
C	*Uca borealis*											1										1
C	*Uca lactea*			14		13		19		21				2								69
G	*Batillaria multiformis*	5		2		2						1		2		1	3	72		24		112
G	*Batillaria zonalis*	10		14		14	1	1			1	1	1	2		3	1					49
G	*Cerithidea cingulata*	95		69		31		5		3		67	1	33		119	16	63		47		549
G	*Cerithidea djadjariensis*	64		74	1	106		96		47		24		61		45		58		129		705
G	*Cerithidea rhizophorarum*	3		1		4		3		3				2				3		1		20
G	*Clithon oualaniensis*	3																		1		4
G	*Littoraria articulata*	1																1		1		3
G	*Monodonta labio*															3		1		3		7
G	*Nassarius festivus*									1												1
Hc	*Diogenes* sp.	2																				2
P	Maldanidae spp.					1		1	1	1	1	1	1		1							8

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

Jun 2016 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	Nereididae spp.								2													2
P	Onuphidae spp.							1														1
																					Total	1557

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

Jun 2016 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
Ba	*Balanus amphitrite*									2												2
Bi	*Barbatia virescens*																	1				1
Bi	*Hiatella arctica*			5		3																8
Bi	*Saccostrea cucullata*	131		97		104		28		17				41		56		14		18		506
Bi	*Xenostrobus atratus*	9		2												22		11		3		47
C	*Hemigrapsus penicillatus*													1				1				2
C	*Metopograpsus latifrons*			1																		1
C	*Nanosesarma minutum*	1		2						2												5
Eh	Echiura spp.			2		7														1		10
G	*Batillaria bornii*							4				1										5
G	*Batillaria multiformis*	5				4		2		2						1		22		18		54
G	*Batillaria zonalis*							9		5		5						1				20
G	*Cellana toreuma*			9		14		2														25
G	*Cerithidea cingulata*	1						2												4		7
G	*Cerithidea djadjariensis*	1						35		40		74		68	6			3		39		266
G	*Cerithidea rhizophorarum*							1		6		1		1				1		5		15
G	*Clithon oualaniensis*							1				1								1		3
G	*Euchelus scaber*													1								1
G	*Littoraria articulata*	10		2		1										5		9				27

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

Jun 2016 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	*Lunella coronata*	5		12		13		11		10				2				3		8		64
G	*Monodonta labio*	45		70		93		3		2		1				59		64		31		368
G	*Nassarius festivus*											1										1
G	*Nerita polita*	1				3				1												5
G	*Nipponacmea concinna*	4		3		3		2								1		13		2		28
G	*Patelloida pygmaea*			3		1														1		5
Ne	Nemertea spp.									1			1									2
P	Maldanidae spp.											1	1		4							6
P	Nereididae spp.					1							1									2
S	Unidentified juvenile shrimp														1							1
Sp	*Siphonosoma cumanense*					1																1
Sp	*Sipunculus nudus*	3				2				3										1		9
																				Total		1497

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

Jun 2016 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*							1				1										2
Bi	*Hiatella arctica*			1																		1
Bi	*Saccostrea cucullata*	3		12		17		8		15		30		13		14		21		17		150
Bi	*Xenostrobus atratus*									6				1				4		1		12
C	*Hemigrapsus penicillatus*			1		1																2
C	*Macrophthalmus erato*			1																1		2
C	*Nanosesarma minutum*			1						1		1		1		1		1		1		7
C	*Philyra carinata*																			1		1
C	*Uca crassipes*	1																				1
Cn	*Diadumene lineata*	4		7		3		1		3				2		1						21
G	*Batillaria bornii*							2		1										7		10
G	*Batillaria multiformis*	1		64		36		45		13		32		9		48		1		58		307
G	*Cellana toreuma*			5		4		5		17		34		32		39		10		7		153
G	*Cerithidea cingulata*											1				1				3		5
G	*Cerithidea djadjariensis*					1										3				3		7
G	*Cerithidea rhizophorarum*																			4		4
G	*Clithon faba*			2		1										2						5
G	*Clithon oualaniensis*	1		2		9		2		3		10		9						5		41
G	*Euchelus scaber*									1		1										2

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

Jun 2016 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	*Lepidozona* sp.									1		1										2
G	*Littoraria articulata*	25				1		5										2				33
G	*Lunella coronata*					1				11		5		1		6		1		14		39
G	*Monodonta labio*	47		36		59		85		11		31		8		38		111		39		465
G	*Nerita polita*			1				1										4				6
G	*Nipponacmea concinna*					1				3								4				8
G	*Patelloida pygmaea*			2		2		1		3		4		4		3						19
Ne	Nemertea spp.													2						1		3
P	Polynoidae spp.			1																		1
																					Total	1309

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

Jun 2016 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
Bi	*Barbatia virescens*	1								3				9		2		20		3		38
Bi	*Circe* sp.						1		2													3
Bi	*Hiatella arctica*			1						6		3		4		4		7		9		34
Bi	*Ruditapes philippinarum*	1										1				1						3
Bi	*Saccostrea cucullata*	42		33				3		29		14		44		15		54		44		278
Bi	*Xenostrobus atratus*	4		1						1		2		2								10
C	*Hemigrapsus penicillatus*													1						2		3
C	*Nanosesarma minutum*	3		4						2		1		2		3		3		3		21
Cn	*Diadumene lineata*	2		3						1		1		3				2		2		14
G	*Batillaria bornii*			3						1		5		2		6						17
G	*Batillaria multiformis*						1	3		1		10		1		19				8		43
G	*Batillaria zonalis*					9		9	4			1										23
G	*Cellana toreuma*			12						12		25		6		26		6		22		109
G	*Cerithidea cingulata*			5		8		50		1										1		65
G	*Cerithidea djadjariensis*			4		68		36		1						2				2		113
G	*Cerithidea rhizophorarum*			2		3		5								1						11
G	*Clithon oualaniensis*									1		2				1				1		5
G	*Dentalium sinuosum*					1	2															3
G	*Euchelus scaber*									1				1		5		9				16

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

Jun 2016 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	*Littoraria articulata*	4																				4
G	*Lunella coronata*	4		18						16		17		10		25		11		31		132
G	*Monodonta labio*	48		54						57		34		93		29		29		51		395
G	*Nassarius festivus*								1													1
G	*Nerita polita*									1				5				4				10
G	*Nipponacmea concinna*									8				4				1				13
G	*Patelloida pygmaea*			3						1		3		4		4		1		4		20
G	*Thais luteostoma*													1								1
Hc	*Pagurus dubius*											2										2
Ne	Nemertea spp.	3				1						1										5
P	Nereididae spp.			1			1															2
S	*Penaeus* sp.							1														1
Sp	*Sipunculus nudus*																	1				1
																				Total		1396

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

Jun 2016 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
Ba	*Balanus amphitrite*					3				4												7
Bi	*Anodontia stearnsiana*												3									3
Bi	*Barbatia virescens*					3				3						1		2				9
Bi	*Circe* sp.																				1	1
Bi	*Hiatella arctica*	2				3				1				1								7
Bi	*Saccostrea cucullata*	17		1		20										17		9				64
Bi	*Xenostrobus atratus*					3		1		2						2		1				9
C	*Hemigrapsus penicillatus*					3																3
C	*Nanosesarma minutum*	1				8										3		2				14
C	*Uca borealis*													1								1
Cn	*Diadumene lineata*									1												1
F	Gobiidae spp.														1							1
G	*Batillaria bornii*	3		1		2														1		7
G	*Batillaria multiformis*	1				1														1		3
G	*Batillaria zonalis*			4		1		5			1									2	2	15
G	*Cellana toreuma*	1				8												8				17
G	*Cerithidea cingulata*	2		15						14		18		12		38		16		7		122
G	*Cerithidea djadjariensis*			63		1				7		5		16		4		1		10		107
G	*Cerithidea rhizophorarum*			5																		5

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

Jun 2016 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	*Dentalium sinuosum*												1									1
G	*Euchelus scaber*					3										6		11				20
G	*Lepidozona* sp.	1				1										1		1				4
G	*Lunella coronata*	4		3		14										32		19				72
G	*Monodonta labio*															1		1				2
G	*Nassarius festivus*								1												2	3
G	*Nerita polita*			2		2																4
G	*Nipponacmea concinna*	3				13												1				17
G	*Patelloida pygmaea*	1														1						2
Ne	Nemertea spp.									1												1
P	Eunicidae spp.												1									1
P	Goniadidae spp.												1									1
P	Maldanidae spp.												2									2
P	Nereididae spp.							2	2				1									5
P	Onuphidae spp.												1								1	2
P	Orbiniidae spp.										1											1
P	Terebellidae spp.														1							1
S	*Alpheus brevicristatus*					1																1

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

Jun 2016 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
S	*Penaeus* sp.					1																1
Sp	*Sipunculus nudus*									6								1				7
																					Total	544

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 2016

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 '000m^3)	**(in '000m^3)**	**(in '000m^3)**	**(in '000m^3)**	**(in '000m^3)**	**(in '000m^3)**	**(in '000kg)**	**(in '000kg)**	**(in '000kg)**	**(in '000kg)**	**(in '000m^3)**
Jan	39.443	0.000	6.108	33.336	0.000	0.000	5.203	0.500	0.000	0.000	0.475
Feb	21.122	0.000	2.808	18.314	0.000	0.000	11.764	0.400	0.000	0.000	0.475
Mar	30.254	0.000	1.752	28.374	0.128	0.000	4.956	0.250	0.000	0.000	0.468
Apr	61.096	0.000	2.488	58.440	0.168	0.000	9.168	0.000	0.000	0.800	0.618
May	49.255	0.000	3.448	45.447	0.360	0.000	9.238	0.000	0.000	0.000	0.429
Jun	See Note 9	0.000	See Note 9	33.357	0.456	0.000	3.577	0.000	0.000	0.000	0.436
Sub-total	201.170	0.000	16.604	217.267	1.112	0.000	43.906	1.150	0.000	0.800	2.899
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Sub- total											
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 '000m^3)	**(in '000m^3)**	**(in '000m^3)**	**(in '000m^3)**	**(in '000m^3)**	**(in '000m^3)**	**(in '000kg)**	**(in '000kg)**	**(in '000kg)**	**(in '000kg)**	**(in '000m^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 50,000m^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=1.9 tonnes/m^3 Metal=7.85 tonnes/m^3
(7) Numbers are rounded off to the nearest three decimal places
(8) 30T dump truck carries C&D waste of 8.0m^3; 24T dump truck carries C&D waste of 6.5m^3
(9) The actual quantities of inert C&D materials generated in June 2016 will be updated in Monthly EM&A Report for July 2016.

APPENDIX K

Cumulative Statistic 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. 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: (a) Mitigation Measures for Noise Nuisance: • Improvement of noise covers onto the generators / motors on barges; and • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges. (b) Mitigation Measures for Smoke Emission: • Increase frequency of maintenance and checking of engines on barges that may emit smoke; and • 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. 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: • Noise nuisance generated by diesel engine; • Smell of exhaust pipe gas in his residence; and • Suspected marine water pollution (see enclosed photo). The complainant also requested EPD to install noise and air quality monitoring at Le Bleu Deux estate.	WA6 Portion X	Noise from blowing horn from vessels and barges and Metallic Parts thrown on Ground • 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; • 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 • 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. Noise from Engines and Cranes of the Barges during Marine Operation • Installation of noise covers onto the generators / motors on all working barges; • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and • Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays. Noise from power generators • All generators shall be either screened or covered by adequate sound reducing materials; • 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 • 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. Exhaust Fume Emission • Tight control on using the machine and generators in the vicinity of Le Bleu Deux estate; and • Closely monitor the frequency on engine cleansing and replacement of dust filter. Change of Sea Water in Yellow • 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 25-Nov-2012	13:42 hrs. 13:49 hrs 22:02 hrs. 22:08 hrs.	EPD (cc to HyD) EPD (cc to HyD)	Environmental (Air quality and Noise)	The noise is coming for the following sources: - power generator - engines from the barges used for marine operation - noise from the cranes use of the construction barges. - engine from the boat used to transport staff in and out - boats blowing their horn late in the evening and at night Gas emissions: - power generators - marine operation 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???"* A pictures taken this morning (25/11/12) around 9:30am-10am showing the water pollution in different area outside the floating barriers. At 21:56 hrs., boat used by the Highway Department against blew their horn repetitively at close proximity from the residential estate.	WA6 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: • Installation of noise covers onto the generators / motors on all working barges; • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and • 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 • To ensure no loosed earth material exposed at the edges of eth stockpiled earth materials i.e. to prevent erosion by wind and water ; • To cover the stockpiled earth material by adequate tarpaulin; • To enhance the frequency of watering (3 times per day) onto existing haul road and other area as appropriate; and • 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	

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-2013-016	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	-
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 : - Briefing given to the operator for the proper operation of marine vessels; - Keep adequate routine maintenance ; - Minimize the quantities of plant after 7pm; & - 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 24-Mar-2013	14:19 hrs 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. 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 1-Apr-2013	10:25 hrs 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: - Briefing given to the operator of the barges for proper operation of marine vessels; - Operating barge by experienced operators only; - Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to minimize squeak noise; - Install noise covers onto noisy equipment where practicable. - Remind subcontractor only well-maintained plant should be operated on-site. - Minimized the quantities of plant used after 7pm as far as practicable; - Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and - 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-2013-018 (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: - Briefing given to the operator of the barges for proper operation of marine vessels; - Operating barge by experienced operators only; - Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to avoid squeak noise; - Install noise covers onto noisy equipment where practicable. - Remind subcontractor only well-maintained plant should be operated on-site. - Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and - Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time.	Closed	-
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: - Minimized the quantities of plant used after 7pm as far as practicable; and - 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: - Minimized the quantities of plant used after 7pm as far as practicable; and - 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. The complainant complained that several loud bangs were heard starting from 21:00 hrs on 7 October 2013. 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: -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 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-2013-041	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: - 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 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: - 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 plants during restricted hours.	Closed	-
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: - 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 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: - 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: - 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-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	-

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-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	-
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. 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-2015-079	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	-

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
.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

Dumping at Sea Ordinance

Item No.	Date Application Submitted	Works Area Applied	Description	Status	Permit No.	Validity of Permit	
						From	To
1.	28.05.2016	SHT Tunnel	Cat. L Dredged / Excavated Sediment Requiring Type 1 – Open Sea Disposal	Permit issued on 14.06.2016	EP/MD/17-034 (Superseded by EP/MD/17-048)	15.06.2016	30.09.2016
2.	08.06.2016	SHT Tunnel	Cat. L Dredged / Excavated Sediment Requiring Type 1 – Open Sea Disposal	Permit issued on 24.06.2016	EP/MD/17-048	28.06.2016	31.10.2016
3.	19.05.2016	SHT Tunnel	Cat. L Dredged / Excavated Sediment Requiring Type 1 – Open Sea Disposal Cross-boundary Disposal	Permit issued on 02.06.2016	EP/MD/17-024	03.06.2016	02.07.2016

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 Letter from the EPD (Ref: EP/RS/0000346267) dated 19.07.2012 confirming that license under WPCO is not required.	N/A
2	04.07.2012	Site Office for China States (WA6)	Application Ref. No. 346982 Water Discharge License WT00014182-2012 was granted on 20 Sep 2012	Valid until 30/9/2017
3.	31.07.2012	Portion B, Portion X & Portion Y	Application Ref. No. 348019 Water Discharge License WT00014118-2012 was granted on 20 Sep 2012	Valid until 30/9/2017
4.	15.01.2013	WA 3	Application Ref No.356237 Water Discharge License Ref. WT00015423-2013 was granted on 4 Mar 2013	Valid until 31/03/2018
5.	15.01.2013	WA 4	Application Ref No. 356240 Water Discharge License Ref. WT00016158-2013 was granted on 30 Jul 2013	Valid until 31/07/2018
6	02.04.2013	Airport Road (Southern)	Water discharge license Ref. WT00015865-2013 was granted on 29 Apr 2013	Valid until 30/04/2018
7	26.10.2015	Airport Road (Northern)	Water discharge license Ref. WT00023165-2015 was granted on 21 Dec 2015	Valid until 30/04/2018

Construction Noise Permit

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
1.	27.01.2016	S23	Canopy Pipe works (Special Case)	CNP issued on 05.02.2016	GW-RS0111-16	23.02.2016 0000	22.08.2016 0500
2.	29.02.2016	WA3	Stockpiling/ wastewater treatment	CNP issued on 14.03.2016	GW-RS0226-16	28.03.2016 0000	27.09.2016 2400

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
3.	14.04.2016	Airport Road	Maintenance Works (Special Case)	CNP issued on 28.04.2016	GW-RS0397-16	28.04.2016 0000	31.07.2016 0500
4.	11.03.2015	WA4	Loading/ Unloading of stockpiles	CNP issued on 22.03.2016	GW-RW0163-16	30.03.2016 0000	29.09.2016 2400
5.	15.02.2016	Shaft 4	Tunnel Works	CNP issued on 29.02.2016	GW-RS0174-16	14.03.2016 1900	13.09.2016 2400
6.	18.04.2016	West Portal	Tunnel Works	CNP issued on 29.04.2016	GW-RS0412-16	09.05.2016 0000	08.11.2016 2400
7.	28.04.2016	A1 Bridge	Bridge Construction	CNP issued on 12.05.2016	GW-RS0466-16	12.05.2015 1900	11.11.2016 2300
8.	04.05.2016	Shaft 1-3	Tunnel works	CNP issued on 13.05.2016	GW-RS0474-16	13.05.2016 1900	12.11.2016 2400
9.	04.05.2016	Shaft 2-3	Box-Jacking	CNP issued on 18.05.2016	GW-RS0511-16	19.05.2016 0000	18.07.2016 0500
10.	14.04.2016	HAT	Percussive Piling	CNP issued on 28.04.2016	PP-RS0011-16	05.05.2016 0700	04.11.2016 1900
11.	23.12.2015	Reclamation Area	Marine Works	CNP issued on 05.01.2016	GW-RS1464-15	06.01.2016 1900	05.07.2016 2400

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
12.	29.01.2016	Airport Road	Road Works	CNP issued on 12.02.2016	GW-RS0132-16	17.02.2016 1900	16.08.2016 2300
13.	26.05.2016	Airport Road	Road Light Replacement (Special Case)	CNP issued on 26.05.2016	GW-RS0513-16	26.05.2016 0000	30.06.2016 0500

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	Partially implemented
S5.5.6.2	A2	2) Proper watering of exposed spoil should be undertaken throughout the construction phase: • 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; • Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; • A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones. • 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; • 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 impact at the nearby 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; • 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; • 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; • 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; • Any skip hoist for material transport should be totally enclosed by impervious sheeting; • 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; • 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 • 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	N/A

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: • Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system; • 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; • Vents for all silos and cement/pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system; • The materials which may generate airborne dusty emissions should be wetted by water spray system; • All receiving hoppers should be enclosed on three sides up to 3m above unloading point; • All conveyor transfer points should be totally enclosed; • All access and route roads within the premises should be paved and wetted; and • 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: • All road surface within the barging facilities will be paved; • Dust enclosures will be provided for the loading ramp; • Vehicles will be required to pass through designated wheels wash facilities; and • 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: • only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; • 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; • plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; • silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works • mobile plant should be sited as far away from NSRs as possible and practicable; • 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> The following mitigation measures should be implemented in handling the waste: • Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; • Carry out on-site sorting; • Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; • 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; • Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and • 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. • 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 • 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. • 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 • 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. • 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.. • 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. • 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* • 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* • General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. • 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. • 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. • 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. • 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. • 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: - TMCLKL northern reclamation; - TMCLKL southern reclamation (after formation of the nips); - 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; • silt curtain shall be fully maintained throughout the works.	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
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; • 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 • 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; • barges shall have tight fitting seals to their bottom openings to prevent leakage of material; • any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes; • loading of barges shall be controlled to prevent splashing of filling materials to the surrounding water. • Barges shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation; • adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; • 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 • 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	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
		into the drainage system, and to prevent storm run-off from getting into foul sewers; •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; •Reinstate works areas in Scenic Hill; •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; •Construct seawall prior to reclamation filling where practicable; •Good site practices; •Site runoff control; •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; •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; • Avoidance of percussive piling; •Marine underwater noise monitoring; •Temporal suspension of drilling bored pile casing in rock during peak dolphin calving season in May and June; •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; •Skipper training; •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; • 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 •Good site practices •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); •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: •Roadside planting and planting along the edge of the reclamation is proposed; •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; •Protection measures for the trees to be retained during construction activities; •Optimizing the sizes and spacing of the bridge columns; •Fine-tuning the location of the bridge columns to avoid visually sensitive locations; •Aesthetic design of the bridge form and its structural elements for HKLR, e.g. parapet, soffit, columns, lightings and so on; 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; • 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. • Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline. • 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 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 G1. Grass-hydroseed bare soil surface and stock pile areas. G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic. 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. 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. G6. Provide planting area around peripheral of and within HKLR for tree screening buffer effect. G7. Plant salt tolerant native tree and shrubs etc along the planterstrip at affected seawall. 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 V1.Minimize time for construction activities during construction period. 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. 2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. 3) An environmental impact monitoring needs to be implementing 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 Summons and Prosecutions"

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

NORTH RUNWAY
HONG KONG INTERNATIONAL AIRPORT (HKIA)
SOUTH RUNWAY
SCENIC HILL
AIRPORT CHANNEL
SHA LO WAN
TUNG CHUNG
SAN SHEK WAN
NGONG PING 360 CABLE-CAR
NGONG PING 360 (NP360) CABLE-CAR ANGLE STATION
HKSAR BOUNDARY
HZMB MAIN BRIDGE (BY OTHERS)
PROPOSED HKLR
PROPOSED HONG KONG LINK ROAD (HKLR)
CONTRACT NO. HY/2011/09 HONG KONG-ZHUHAI-MACAO BRIDGE HONG KONG LINK ROAD - SECTION BETWEEN HKSAR BOUNDARY AND SCENIC HILL (BY OTHERS)
CONTRACT NO. HY/2011/03 HONG KONG-ZHUHAI-MACAO BRIDGE HONG KONG LINK ROAD - SECTION BETWEEN SCENIC HILL AND HONG KONG BOUNDARY CROSSING FACILITIES
PROPOSED TUEN MUN-CHEK LAP KOK LINK (BY OTHERS)
PROPOSED HONG KONG BOUNDARY CROSSING FACILITIES (HKBCF) (BY OTHERS)
HKBCF RECLAMATION AND SUPERSTRUCTURE (BY OTHERS)
SHEET 1
SHEET 2
SHEET 3
SHEET 4
SHEET 5
SHEET 6
N1
N4
N13
N13A
N20
S7
S8
S11
S15
S16
S19
S23
S25
WA3
WORKS AREA WA3
WA4
WORKS AREA WA4
Sewage Treatment Works
Siu Ho
Fence
Siu Ho Wan Government Maintenance Depot
Tailgate
HEUNG TAU WAN
TSING CHAU WAN
TAT TSING CHAU
TUNG CHUNG LINE
AIRPORT EXPRESS
NORTH LANTAU HIGHWAY
TSING CHAU TSAI
SUNNY BAY
TAI YAM TENG
FA PENG TENG
NG KWU LENG
TO KAU WAN

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

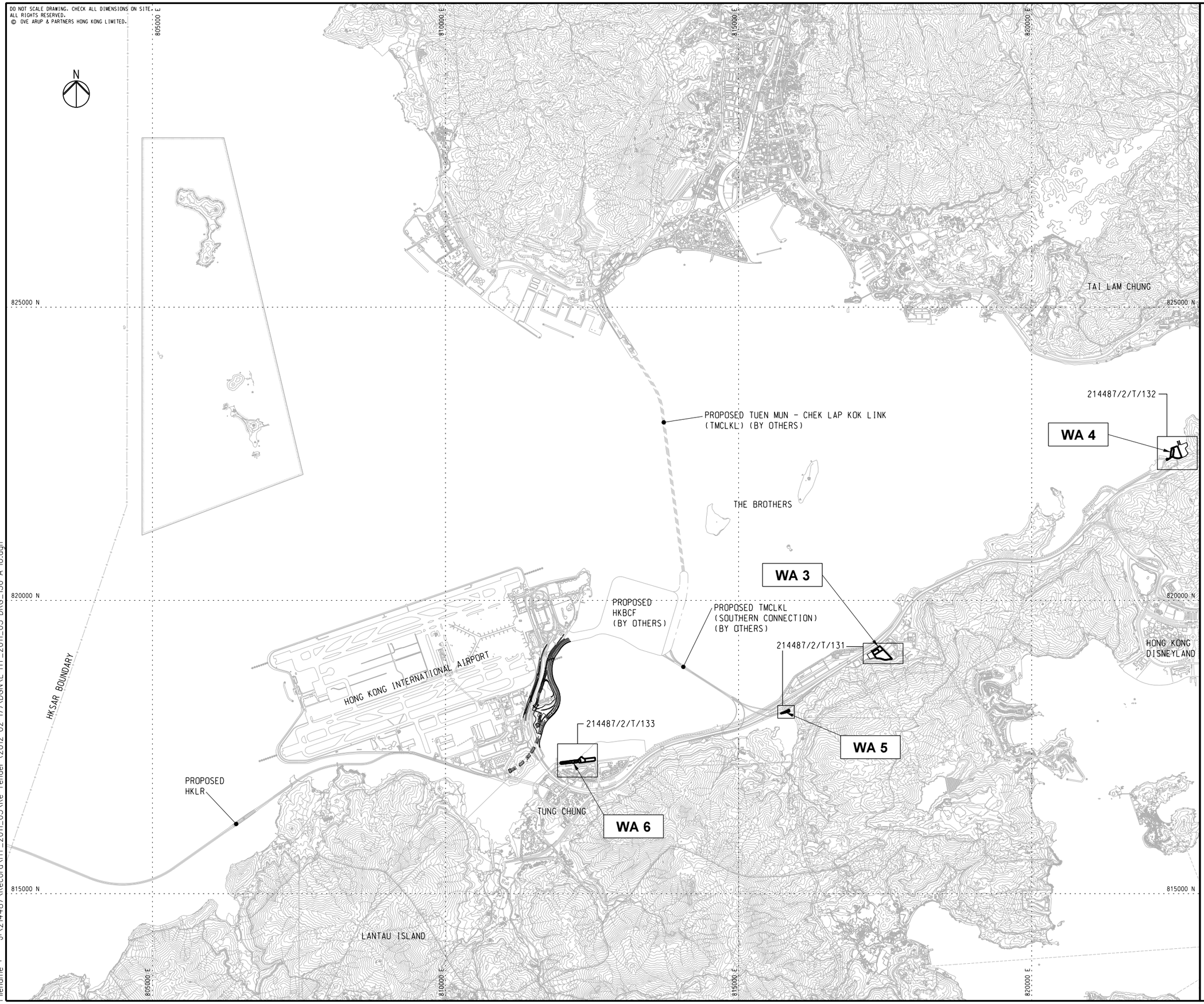
Contract No. and Title:
Contract No. HY/2011/03
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title
GENERAL LAYOUT
KEY PLAN

Drawing no.		Rev.
214487/2/T/001		A
Drawn: RY	Date: 02/12	Checked: IL / Approved: SK
Scale: 1:20000 @A1	Status: TENDER	

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 : 13/2/2012
Filename : J:\214487\Record\HY_2011_03\Re-Tender (2012-02-17)\DGN\E-HY_2011_03-DRG_001-A-10.dgn



NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NOS. 214487/2/T/131 - 133.

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

WORKS AREAS KEY PLAN

Drawing no.		Rev.
214487/2/T/130		A
Drawn: RY	Date: 02/12	Checked: IL	Approved: SK
Scale: 1:30000 @A1		Status: TENDER	

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 : 13/2/2012
Filename : J:\214487\Record\HY_2011_03\Re-Tender (2012-02-17)\DGN\E-HY_2011_03-DRG_130-A-10.dgn

N

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

Printed by : 30/5/2012
Filename : Z:\Drawings\214487\Route.dgn

N

WORKS AREA
WA3

Printed by : 30/5/2012
Filename : Z:\Drawings\214487\Route.dgn

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

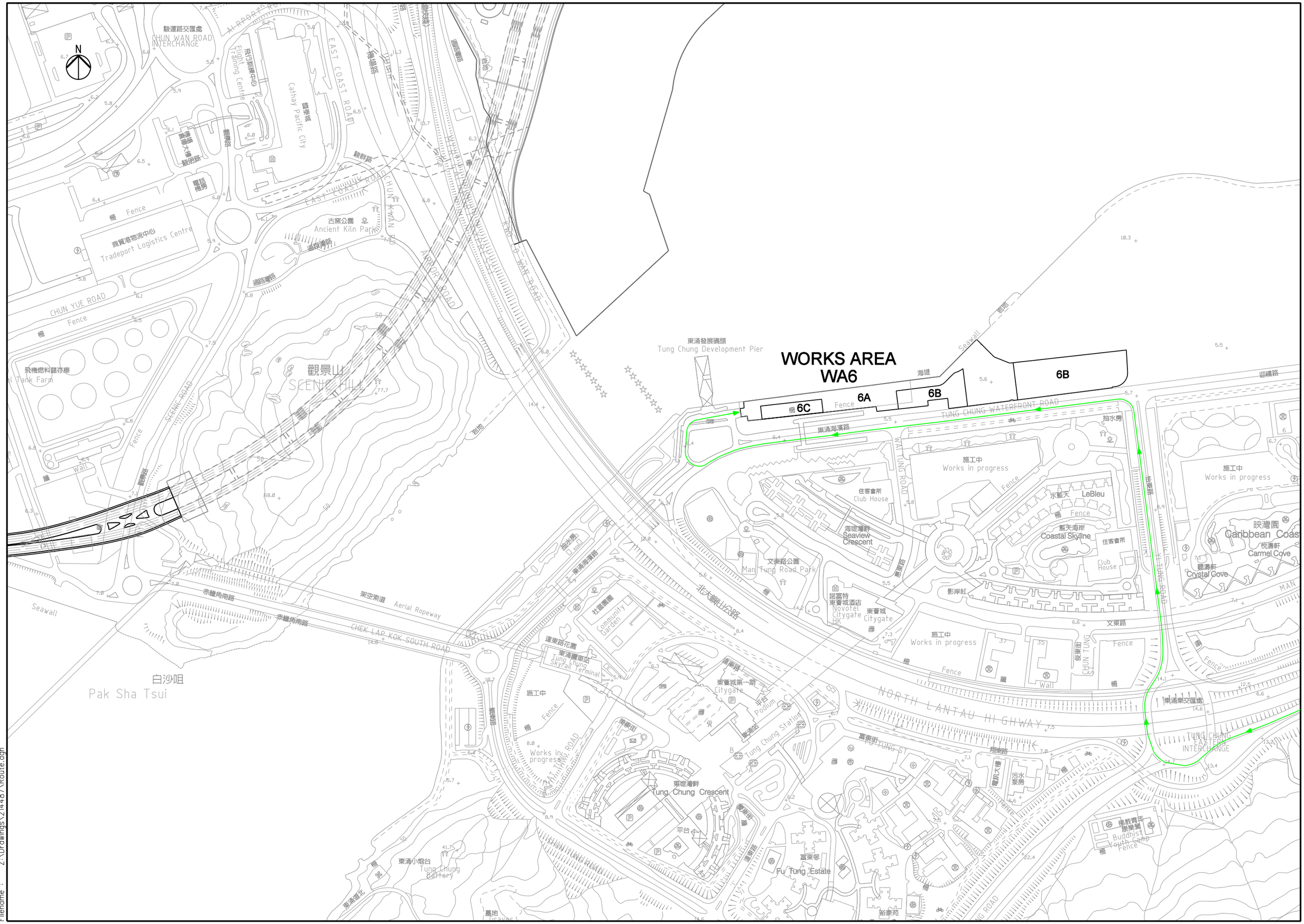
大山
TAI SHAN

竹篙灣
PENNY'S BAY

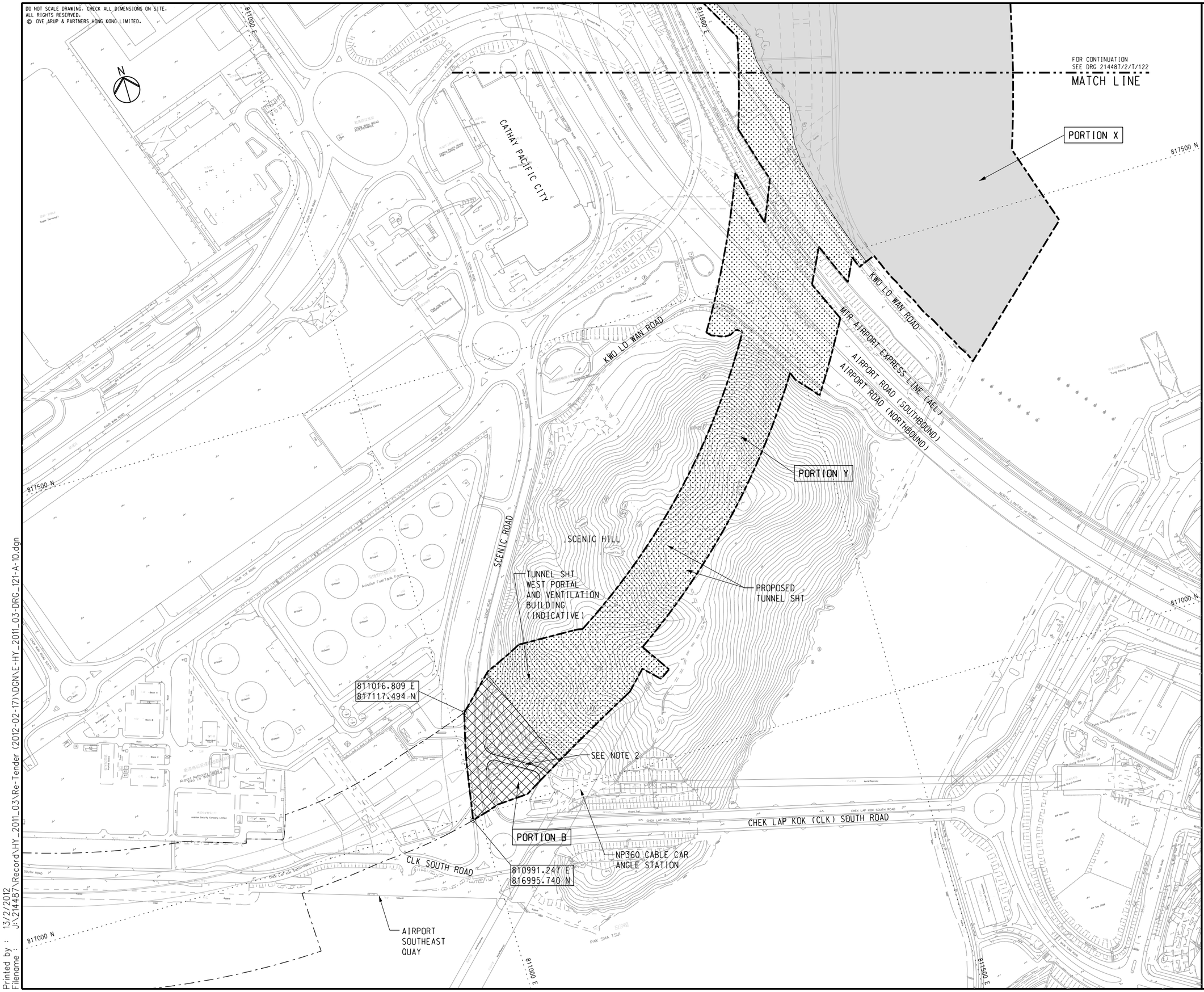
四白坳
SZE PAK AU

扒頭鼓
PA TAU K

Printed by : 28/5/2012
Filename : Z:\Drawings\214487\Route.dgn



Printed by : 30/5/2012
Filename : Z:\Drawings\214487\Route.dgn



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
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

PORTION OF SITE
(SHEET 1 OF 3)

Drawing no.		Rev.
214487/2/T/121		A
Drawn: RY	Date: 02/12	Checked: IL	Approved: SK
Scale: 1:2000 @A1		Status: TENDER	

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 : 13/2/2012
Filename : J:\214487\Record\HY_2011_03\Re-Tender (2012-02-17)\DGN\E-HY_2011_03-DRG_121-A-10.dgn

NOTES

1. FOR GENERAL NOTES AND LEGEND, REFER TO DRG. NO. 214487/2/T/121.

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

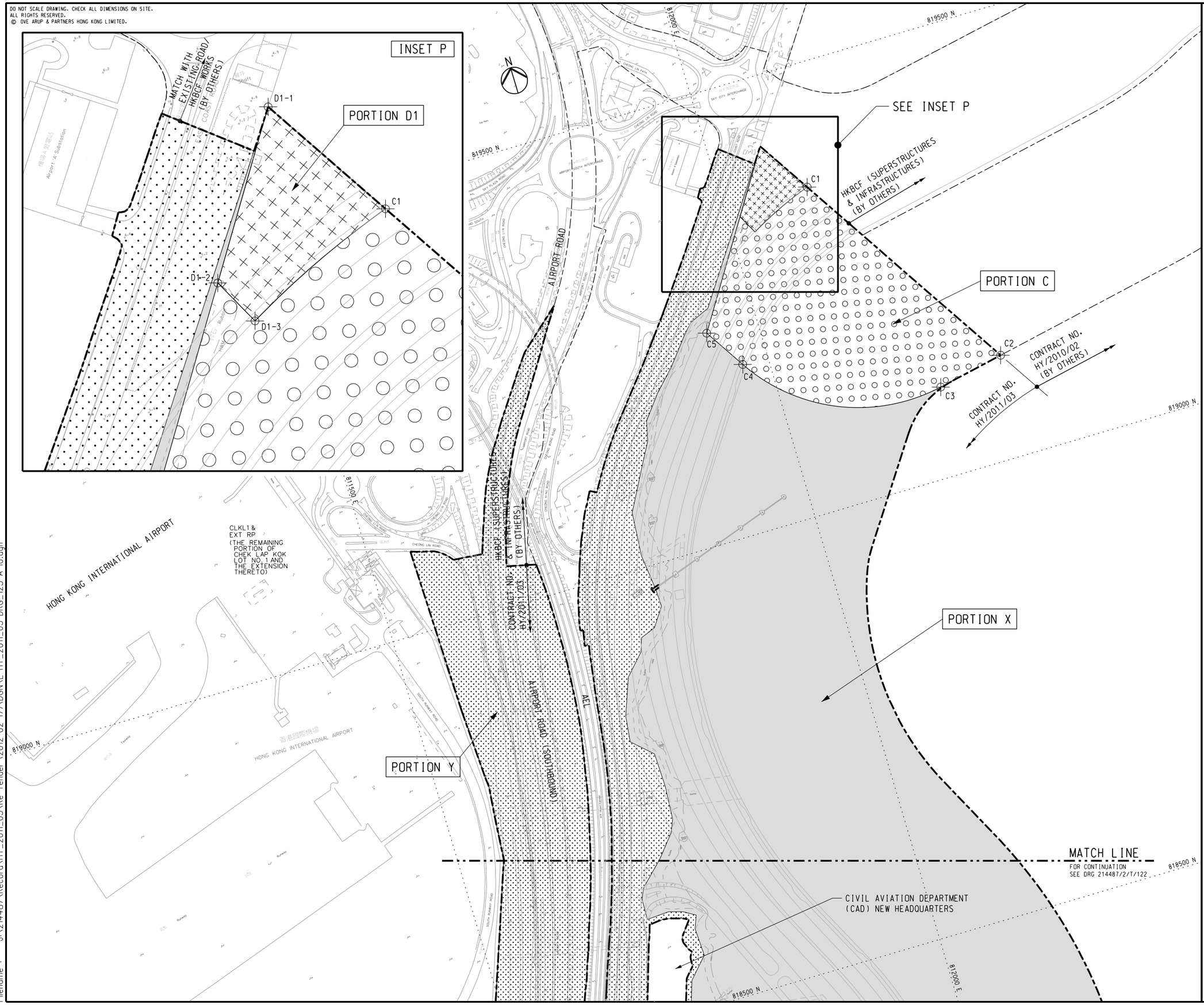
Drawing title

PORTION OF SITE
(SHEET 2 OF 3)

Drawing no.			Rev.
214487/2/T/122			A
Drawn	Date	Checked	Approved
RY	02/12	IL	SK
Scale		Status	
1:2000 @A1		TENDER	

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 : 13/2/2012
Filename : J:\214487\Record\HY_2011_03\Re-Tender (2012-02-17)\DGN\E-HY_2011_03-DRG_122-A-10.dgn



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
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

PORTION OF SITE
(SHEET 3 OF 3)

Drawing no.		Rev.
214487/2/T/123		A
Drawn: RY	Date: 02/12	Checked: IL / Approved: SK
Scale: 1:2000 @A1	Status: TENDER	

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 : 13/2/2012
Filename : J:\214487\Record\HY_2011_03\Re-Tender (2012-02-17)\DGN\E-HY_2011_03-DRG_123-A-10.dgn