

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.14 (November 2013)

13 December 2013

Revision 1

Main Contractor



Designer

ATKINS

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Executive Summary

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

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

China State Construction Engineering (Hong Kong) Ltd. was awarded by Highways Department as the Contractor to undertake the construction works of Contract No. HY/2011/03. The main works of the Contract include land tunnel at Scenic Hill, tunnel underneath Airport Road and Airport Express Line, reclamation and tunnel to the east coast of the Airport Island, at-grade road connecting to the HKBCF and highway works of the HKBCF within the Airport Island and in the vicinity of the HKLR reclamation. The Contract is part of the HKLR Project and HKBCF Project, these projects are considered to be "Designated Projects", under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap 499) and Environmental Impact Assessment (EIA) Reports (Register No. AEIAR-144/2009 and AEIAR-145/2009) were prepared for the Project. The current Environmental Permit (EP) EP-352/2009/C for HKLR and EP-353/2009/G for HKBCF were issued on 5 September 2013 and 6 August 2013, 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 Fourteenth Monthly EM&A report for the Contract which summaries the monitoring results and audit findings of the EM&A programme during the reporting period from 1 November to 30 November 2013.

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 in this reporting month is listed below:

1-hr TSP Monitoring	4, 8, 14, 20, and 26 November 2013
24-hr TSP Monitoring at AMS 5	1, 7, 13, 21, 25 and 29 November 2013
24-hr TSP Monitoring at AMS 6	1, 7, 13, 19, 25 and 29 November 2013
Noise Monitoring	4, 14, 20 and 26 November 2013
Water Quality Monitoring	1, 4, 6, 8, 11, 13, 15, 18, 20, 22, 25, 27 and 29 November 2013
Chinese White Dolphin Monitoring	1, 5, 8 and 13 November 2013
Site Inspection	6, 13, 20, and 29 November 2013

Due to strong wind condition, the dolphin monitoring was rescheduled from 12 November 2013 to 13 November 2013.

Due to electricity supply problem to high volume sampler at AMS5, the 24-hr dust monitoring at AMS5 was rescheduled from 19 November 2013 to 21 November 2013.

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)	6	0
	Turbidity level	0	0
	Dissolved oxygen level (DO)	0	0
Dolphin Monitoring	Quarterly Analysis (Sep to Nov 2013)	1	0

Six Action Level exceedances of suspended solid level were recorded on 6, 11 and 22 November 2013. According to the information provided by the Contractor, marine construction activities were carried within silt curtain as recommended in the EIA Report. There were no specific activities recorded during the monitoring period that would cause any significant impacts on monitoring results. Therefore, all exceedances were considered as non-contract related.

-There was one Action Level exceedance of dolphin monitoring for the quarterly monitoring data (September to November 2013). The exceedance will be reported in the quarterly report for September – November 2013.

Complaint Log

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

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaints
COM-2013-043	11 November 2013	Noise

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 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 on 1 July 2013, as such the original impact water quality monitoring location at IS(Mf)9 was temporarily shifted outside the silt curtain. The new co-ordinates of station IS(Mf)9 are 813226E and 818708N since 1 July 2013.

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;

- Stone Column Installation at Portion X;
- Filling Works behind Stone Platform at Portion X;
- Band Drains Installation at Portion X;
- Temporary Stone Platform Construction at Portion X;
- Site Formation at West Portal;
- Tree Felling at West Portal;
- Slope Protection / Stabilization (Soil Nailing Works) at West Portal;
- Works for Diversion of Airport Road and Kwo Lo Wan Road at Kwo Lo Wan / Airport Road;
- Pre-grouting and Pipe Piling Works for AEL Access Shafts at Airport Express Line;
- Utilities Detection at Kwo Lo Wan / Airport Road / Airport Express Line;
- Establishment of Site Access at Kwo Lo Wan / Airport Road / Airport Express Line;
- Access Shaft Construction for Tunnel at Portion Y;
- Utility Culvert Excavation at Portion Y; and
- Pipe Roofing Installation and Excavation for Tunnel SHT 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/C for HKLR and EP-353/2009/G for HKBCF were issued on 5 September 2013 and 6 August 2013, 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 N**.
- 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 Fourteenth Monthly Environmental Monitoring and Audit (EM&A) report for the Contract which summaries the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 30 November 2013.

- 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. 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 (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
Stone column installation	Portion X
Filling works behind stone platform	Portion X
Temporary stone platform construction	Portion X
Band drains Installation	Portion X
Site formation	West Portal
Slope protection/ stabilization (soil nailing works)	West Portal
Boulder removal/ stabilization works	West Portal
Works for diversion of Airport Road and Kwo Lo Wan Road	Kwo Lo Wan / Airport Road
Pre-grouting and pipe piling works for AEL access shafts	Airport Express Line
Utilities detection	Kwo Lo Wan/ Airport Road/ Airport Express Line
Establishment of site access	Kwo Lo Wan/ Airport Road/ Airport Express Line
Works for east access shaft	Kwo Lo Wan/ Airport Road/ Airport Express Line
Access shaft construction for SHT & HAT	Portion Y
Utility culvert excavation	Portion Y
Pipe Roofing Installation and Excavation for Tunnel SHT	West Portal
Excavation for Temporary Diversion of outfall PR10	Portion Y

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, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
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, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
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.
 - (iv) No furnace or incinerator flues 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 $\pm 2.5\%$ 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 $\pm 5\%$. 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 m³/min, and

complied with the range specified in the Updated EM&A Manual for HKLR (Version 1.0) (i.e. 0.6-1.7 m³/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 November 2013 is provided in **Appendix D**. Due to electricity supply problem to high volume sampler at AMS5, the 24-hr dust monitoring at AMS5 was rescheduled from 19 November 2013 to 21 November 2013.

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 ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
AMS5	65	35 –127	352	500
AMS6	77	35 –132	360	500

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

Monitoring Station	Average ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
AMS5	70	12-97	164	260
AMS6	123	88-160	173	260

- 2.7.2 No Action and Limit Level exceedances were recorded at all monitoring stations during this 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;
- (e) 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.
- (f) 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.
- (g) 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.
- (h) 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 November 2013 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	60	58 – 62	75

*A correction of +3dB(A) facade correction 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 and nearby traffic 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 was detected, and that timely action was 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 Action 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 than 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** summarises 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** summarises 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	<ul style="list-style-type: none"> • Depth, m • Temperature, °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
IS(Mf)9	Impact Station (Close to HKBCF construction site)	813226	818708
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

Remark:

The original monitoring station at IS(Mf)9 (Coordinate- East:813273, North 818850) was observed inside the perimeter silt curtain on 1 July 2013, as such the original impact water quality monitoring location at IS(Mf)9 was temporarily shifted outside the silt curtain. The new co-ordinates of station IS(Mf)9 are 813226E and 818708N since 1 July 2013.

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°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 November 2013 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 Exceedances were recorded for suspended solid level during the reporting month. Number of exceedances recorded during the reporting month at each impact station are summarised in **Table 4.6**.

Table 4.6 Summary of Water Quality Exceedances

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total number of exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
IS5	Action Level	--	--	--	--	--	--	--	22 Nov 2013	0	1
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS(Mf)6	Action Level	--	--	--	--	--	--	11 Nov 2013	11 Nov 2013	1	1
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS7	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS8	Action Level	--	--	--	--	--	--	--	--	0	0

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total number of exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS(Mf)9	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS10	Action Level	--	--	--	--	--	--	--	06 Nov 2013	0	1
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR3	Action Level	--	--	--	--	--	--	--	22 Nov 2013	0	1
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR4	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR5	Action Level	--	--	--	--	--	--	--	06 Nov 2013	0	1
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR10A	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR10B	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
Total	Action	0	0	0	0	0	0	1	5	6**	
	Limit	0	0	0	0	0	0	0	0	0**	

Notes:

S: Surface;

M: Mid-depth;

** The total exceedances

- 4.7.3 During the reporting month, six Action Level (AL) exceedances of suspended solid level were recorded.
- 4.7.4 On 6 November 2013, AL exceedances at stations IS10 and SR5 were recorded during mid-flood tide. According to the information provided by the Contractor, sand filling at Zone 1, stone column work at Zone 2, sand filling, public fill filling, transfer of public fill material and sand and stone column work at zone 3A were carried within silt curtain as recommended in the EIA Report.
- 4.7.5 On 11 November 2013, AL exceedances at station IS(Mf)6 were recorded during mid-ebb tide and mid-flood tide. According to the information provided by the Contractor, sand filling at Zones 2 and 3A, filling public fill at Zone 3A, transferring fill material at Zone 3A, transferring sand at Zone 3A and installation of stone column at Zone 2 were carried within silt curtain as recommended in the EIA Report.
- 4.7.6 On 22 November 2013, AL exceedances at stations IS5 and SR3 were recorded during mid-flood tide. According to the information provided by the Contractor, sand filling and installation of stone column at Zone 1, installation of stone column at Zone 2, and transferring of fill material and sand, filling of public fill and rock and installation of stone column at Zone 3A were carried within silt curtain as recommended in the EIA Report.
- 4.7.7 On 6, 11 and 22 November 2013, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. No leakage of turbid water or any abnormality or malpractice was observed during the sampling

exercise. The suspended solid levels were considered to be attributed to other external factors, rather than the contract works. Therefore, all exceedances were considered as non-contract related.

- 4.7.8 Water quality impact sources during the water quality monitoring were the construction activities of the Contract, nearby construction activities by other parties and nearby operating vessels by other parties.
- 4.7.9 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**.

Table 5.2 Co-ordinates of Transect Lines

Line No.		Easting	Northing		Line No.	Easting	Northing
1	Start Point	804671	814577		13	Start Point	816506 819480
1	End Point	804671	831404		13	End Point	816506 824859
2	Start Point	805475	815457		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
6	Start Point	809490	820466		18	Start Point	821504 822371
6	End Point	809490	825352		18	End Point	821504 823761
7	Start Point	810499	820690		19	Start Point	822513 823268
7	End Point	810499	824613		19	End Point	822513 824321

Line No.		Easting	Northing		Line No.		Easting	Northing
8	Start Point	811508	820847		20	Start Point	823477	823402
8	End Point	811508	824254		20	End Point	823477	824613
9	Start Point	812516	820892		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	818449		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					

- 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 16 years of marine mammal monitoring surveys in Hong Kong developed by HKCRP (see Hung 2012). 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 Steiner 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 appendix in the quarterly EM&A report.

5.3 Monitoring Results

Vessel-based Line-transect Survey

- 5.3.1 During the month of November 2013, two sets of systematic line-transect vessel surveys were conducted on the 1st, 5th, 8th and 13th, to cover all transect lines in NWL and NEL survey areas twice. The survey routes of each survey day are presented in **Figure 2-5 of Appendix H**.
- 5.3.2 From these surveys, a total of 268.17 km of survey effort was collected, with 100% 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, 98.97 km and 169.20 km of survey effort were collected from NEL and NWL survey areas respectively. In addition, the total survey effort conducted on primary lines was 211.85 km, while the effort on secondary lines was 56.32 km.
- 5.3.3 During the two sets of monitoring surveys in November 2013, a total of 21 groups of 102 Chinese White Dolphins were sighted (**Annex II of Appendix H**). All sightings were made in NWL during the two sets of surveys in November, with no sightings made at all in NEL. All except one sighting were made during on-effort search, and 18 of these on-effort sightings were made on primary lines. None of the dolphin groups was associated with an operating fishing vessel.
- 5.3.4 Distribution of these dolphin sightings made in November 2013 is shown in **Figure 6 of Appendix H**. All sightings were made in Northwest Lantau, with higher concentration between Lung Kwu Chau and Black Point and within the marine park. Other sightings were scattered near Tap Shek Kok and near the western boundary of Hong Kong territorial waters. (**Figure 6 of Appendix H**).

- 5.3.5 None of the 21 sightings was made in the proximity of the HKLR and HKBCF construction sites as well as the HKLR09 bridge alignment. **(Figure 6 of Appendix H).**
- 5.3.6 During November's surveys, encounter rates of Chinese white dolphins deduced from the survey effort and on-effort sighting data made under favorable 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: Nov 1 st /5 th	0.0	0.0
	Set 2: Nov 8 th /13 th	0.0	0.0
NWL	Set 1: Nov 1 st /5 th	10.3	50.0
	Set 2: Nov 8 th /13 th	16.1	76.1

Remarks:

- Dolphin Encounter Rates Deduced from the Two Sets of Surveys (Two Surveys in Each Set) in November 2013 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	13.2	11.2	63.1	53.2

Remarks:

- Monthly Average Dolphin Encounter Rates (Sightings Per 100 km of Survey Effort) from All Four Surveys Conducted in November 2013 on Primary Lines only as well as Both Primary Lines and Secondary Lines in Northeast (NEL) and Northwest Lantau (NWL)

- 5.3.7 The average group size of Chinese White Dolphins in November 2013 was 4.86 individuals per group, which was higher than the averages in previous months of dolphin monitoring. Twelve dolphin groups were composed of only 1-4 animals, while the other nine were larger groups with 5-11 animals per group.

Photo-identification Work

- 5.3.8 Fifty-eight individual dolphins were identified during November's surveys, and the majority of them were only sighted once during the month (**Annex III and IV of Appendix H**). On the other hand, NL24, NL139, NL165, NL236, NL242, NL272 and NL301 were sighted twice during the two sets of surveys, while CH34, NL33, NL80 and NL261 were sighted 3-4 times during the two sets of monitoring surveys.

- 5.3.9 Five well-recognized females, NL33, NL80, NL93, NL98 and NL123, were accompanied with their calves during their re-sightings, and some of these mother-calf pairs were regularly sighted in previous months of HKLR03 dolphin monitoring surveys.

Conclusion

- 5.3.10 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.
- 5.3.11 Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any impacts on dolphins have been detected related to the construction activities of this project in the quarterly EM&A report, where comparison on distribution, group size and encounter rates of dolphins between the quarterly impact monitoring period (September – November 2013) and baseline monitoring period (3-month period) will be made.
- 5.3.12 There was one Action Level exceedance of dolphin monitoring for the quarterly monitoring data (September to November 2013). The exceedance will be reported in the quarterly report for September – November 2013.

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. 2012. Monitoring of Marine Mammals in Hong Kong waters: final report (2011-12). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department, 171 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.
- 5.4.4 Hung, S. K. 2013. Monitoring of Marine Mammals in Hong Kong waters: final report (2012-13). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department, 168 pp.

6 ENVIRONMENTAL SITE INSPECTION AND AUDIT

6.1 Site Inspection

6.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. During the reporting month, four site inspections were carried out on 6, 13, 20 and 29 November 2013.

6.1.2 Particular observations during the site inspections are described below.

6 November 2013

- (a) Oil drums without drip tray were found at S8/S9 and West Portal. The oil drums were removed by the contractor at S8/S9 and West Portal. (This observation was found on 29 October 2013 and closed on 6 November 2013.)
- (b) The door of engine of a mobile crane at S8/S9 was unable to close. The door of engine of a mobile crane was closed at S8/S9. (This observation was found on 29 October 2013 and closed on 6 November 2013.)
- (c) Excess fill materials were found on the passage way of Chung Shing 2002. Excess fill materials were cleaned up on the passage way of Chung Shing 2002. (This observation was closed on 13 November 2013.)
- (d) Stagnant water was found inside a drip tray at S8. Stagnant water was cleaned up by contractor at S8. (This observation was closed on 13 November 2013.)
- (e) Oil containers were found to be without drip trays at S8. The oil drums were removed at S8. (This observation was closed on 13 November 2013.)
- (f) Oil containers were found to be without drip trays at West Portal. The oil drums were removed at West Portal. (This observation was closed on 13 November 2013.)
- (g) Stagnant water was found inside a drip tray at West Portal. Stagnant water was cleaned up at West Portal. (This observation was closed on 13 November 2013.)
- (h) Stagnant water was found inside a rubbish container at West Portal. Stagnant water inside the rubbish containers was cleaned up at West Portal. (This observation was closed on 13 November 2013.)
- (i) Oil leakage was found on the ground at N4. Oil leakage was cleaned up at N4. (This observation was closed on 13 November 2013.)
- (j) Oil slicks were found inside the wheel washing tank at West Portal. The waste oil was cleaned up at West Portal. (This observation was closed on 13 November 2013.)
- (k) No clear label was provided for chemical waste containers at N4. Clear labels were provided for chemical waste containers at N4. (This observation was closed on 13 November 2013.)

13 November 2013

- (a) Stagnant water was found inside the recesses for lifting eyes of concrete blocks at S16. Stagnant water inside the recesses for lifting eyes of concrete blocks were filled up by the rubbles at S16. (This observation was closed on 20 November 2013.)
- (b) A gap was found between the silt curtains at Portion X. A black cover was used to overlay the gap between each silt curtains at Portion X. (This observation was closed on 20 November 2013.)
- (c) Waste chemical containers were found to be without clear labels at West Portal. Clear labels were provided for the waste chemical containers at West Portal. (This observation was closed on 20 November 2013.)

- (d) Oil container was found to be without drip tray at Sand Pump Barge. Oil container was removed at Sand Pump Barge. (This observation was closed on 20 November 2013.)
- (e) Oil containers were found to be without drip trays at N4. Oil containers were removed at N4. (This observation was closed on 20 November 2013.)
- (f) Oil container was found to be without drip tray at S11. Oil containers were removed at S11. (This observation was closed on 20 November 2013.)
- (g) Waste oil was found inside the wheel washing tank at West Portal. The new wheel washing tank was available to replace the old wheel washing tanks to avoid the waste oil leak out into it at West Portal. (This observation was closed on 20 November 2013.)

20 November 2013

- (a) Stagnant water was found inside the recesses for lifting eyes of concrete blocks at the S11. Stagnant water inside the recesses for lifting eyes of concrete blocks were filled up by the rubbles at S11. (This observation was closed on 29 November 2013.)
- (b) Stagnant water was found inside the drip tray for the generation at N4. Stagnant water was cleared inside the drip tray for the generation at N4. (This observation was closed on 29 November 2013.)
- (c) Waste chemical containers were found to be without drip trays at S15. Waste chemical containers were removed at S15. (This observation was closed on 29 November 2013.)
- (d) Unpaved area was found to be dry at S17. Unpaved area was found to be wet at S17. (This observation was closed on 29 November 2013.)
- (e) No sand bags were placed along the road to avoid the muddy water leaking out into the sea at S7. Sand bags was placed along road to avoid muddy water leaking into the sea at S7. (This observation was closed on 29 November 2013.)
- (f) Excess fill materials were found on the passage way of vessel at S7. Excess fill materials were cleared up on the passage way of vessel at S7. (This observation was closed on 29 November 2013.)
- (g) Chemical container was found to be without drip tray at S11. Drip tray was provided for chemical container at S11. (This observation was closed on 29 November 2013.)

29 November 2013

- (a) Dusty bare ground and temporary stockpile of dusty material without cover at West Portal were observed. The contractor was reminded to strengthen dust control measures.

The Contractor has 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.

6.2 Advice on the Solid and Liquid Waste Management Status

- 6.2.1 The Contractor submitted application form for registration as a chemical waste producer for the Project. Sufficient numbers of receptacles were available for general refuse collection and sorting.
- 6.2.2 Monthly summary of waste flow table is detailed in **Appendix I**.
- 6.2.3 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 Practise on the Packaging, Labelling and Storage of Chemical Wastes.

6.3 Environmental Licenses and Permits

- 6.3.1 The valid environmental licenses and permits during the reporting month are summarized in **Appendix K**.

6.4 Implementation Status of Environmental Mitigation Measures

- 6.4.1 In response to the site audit findings, the Contractors carried out corrective actions.
- 6.4.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix L**. Most of the necessary mitigation measures were implemented properly.
- 6.4.3 Regular marine travel route for marine vessels were implemented properly in accordance to the submitted plan and relevant records were kept properly.
- 6.4.4 Dolphin Watching Plan was implemented during the reporting month. No dolphins were observed. The relevant records were kept properly.

6.5 Summary of Exceedances of the Environmental Quality Performance Limit

- 6.5.1 For 1-hour TSP and 24- hour TSP, no Action and Limit Level exceedances were recorded at AMS 5 and AMS6 during the reporting month.
- 6.5.2 For construction noise, no Action and Limit Level exceedances were recorded at the monitoring stations during the reporting month.
- 6.5.3 Six Action Level exceedances of suspended solid level were recorded on 6, 11 and 22 November 2013. According to the Contractor, marine construction activities were carried within silt curtain as recommended in the EIA Report. There were no specific activities recorded during the monitoring period that would cause any significant impacts on monitoring results. Therefore, all exceedances were considered as non-contract related.
- 6.5.4 There was one Action Level exceedance of dolphin monitoring for the quarterly monitoring data (September to November 2013). The exceedance will be reported in the quarterly report for September – November 2013.

6.6 Summary of Complaints, Notification of Summons and Successful Prosecution

- 6.6.1 There was one complaint received during the reporting month. The summary of environmental complaints is presented in **Table 6.1**. The details of cumulative statistics of Environmental Complaints are provided in **Appendix J**.

Table 6.1 A Summary of Environmental Complaints for the Reporting Month

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaints
COM-2013-43	11 November 2013	Noise

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

7 FUTURE KEY ISSUES

7.1 Construction Programme for the Coming Months

7.1.1 As informed by the Contractor, the major construction for December 2013 are summarized in **Table 7.1**.

Table 7.1 Construction Activities for December 2013

Site Area	Description of Activities
Portion X	Dismantling/Trimming of Temporary 40mm Stone Platform for Construction of Seawall
Portion X	Stone Column Installation
Portion X	Filling Works behind Stone Platform
Portion X	Band Drains Installation
Portion X	Temporary Stone Platform Construction
West Portal	Site Formation
West Portal	Tree Felling
West Portal	Slope Protection / Stabilization (Soil Nailing Works)
Kwo Lo Wan / Airport Road	Works for Diversion of Airport Road and Kwo Lo Wan Road
Airport Express Line	Pre-grouting and Pipe Piling Works for AEL Access Shafts
Kwo Lo Wan / Airport Road / Airport Express Line	Utilities Detection
Kwo Lo Wan / Airport Road / Airport Express Line	Establishment of Site Access
Portion Y	Access Shaft Construction for Tunnel
Portion Y	Utility Culvert Excavation
West Portal	Pipe Roofing Installation and Excavation for Tunnel SHT

7.2 Environmental Monitoring Scheme for the Coming Month

7.2.1 The tentative schedule for environmental monitoring in December 2013 is provided in **Appendix D**.

8 CONCLUSION

8.1 Conclusions

- 8.1.1 The construction phase and EM&A programme of the Contract commenced on 17 October 2012.
- 8.1.2 For 1-hour TSP and 24-hour TSP, no Action and Limit Level exceedances were recorded at AMS 5 and AMS 6 during the reporting month.
- 8.1.3 For construction noise, no Action and Limit Level exceedances were recorded at the monitoring station during the reporting month.
- 8.1.4 For marine water quality monitoring undertaken during the reporting month, six Action Level exceedances of suspended solid level were recorded on 6, 11 and 22 November 2013. According to the information provided by the Contractor, marine construction activities were carried within silt curtain as recommended in the EIA Report. There were no specific activities recorded during the monitoring period that would cause any significant impacts on monitoring results. Therefore, all exceedances were considered as non-contract related.
- 8.1.5 During the November'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.
- 8.1.6 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 (September - November 2013) and baseline monitoring period (3-month period) will be made.
- 8.1.7 There was one Action Level exceedance of dolphin monitoring for the quarterly monitoring data (September to November 2013). The exceedance will be reported in the quarterly report for September – November 2013.
- 8.1.8 Environmental site inspection was carried out on 6, 13, 20 and 29 November 2013. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.
- 8.1.9 There was one noise complaint received during the reporting month. Complaint investigation was undertaken and it was considered that the complaints were non-project related or no non-compliances were identified.
- 8.1.10 No notification of summons and prosecution was received during the reporting period.



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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
14th Monthly EM&A Report

FIGURES



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

LEGEND

 Site Boundary of Contract HY/2011/03

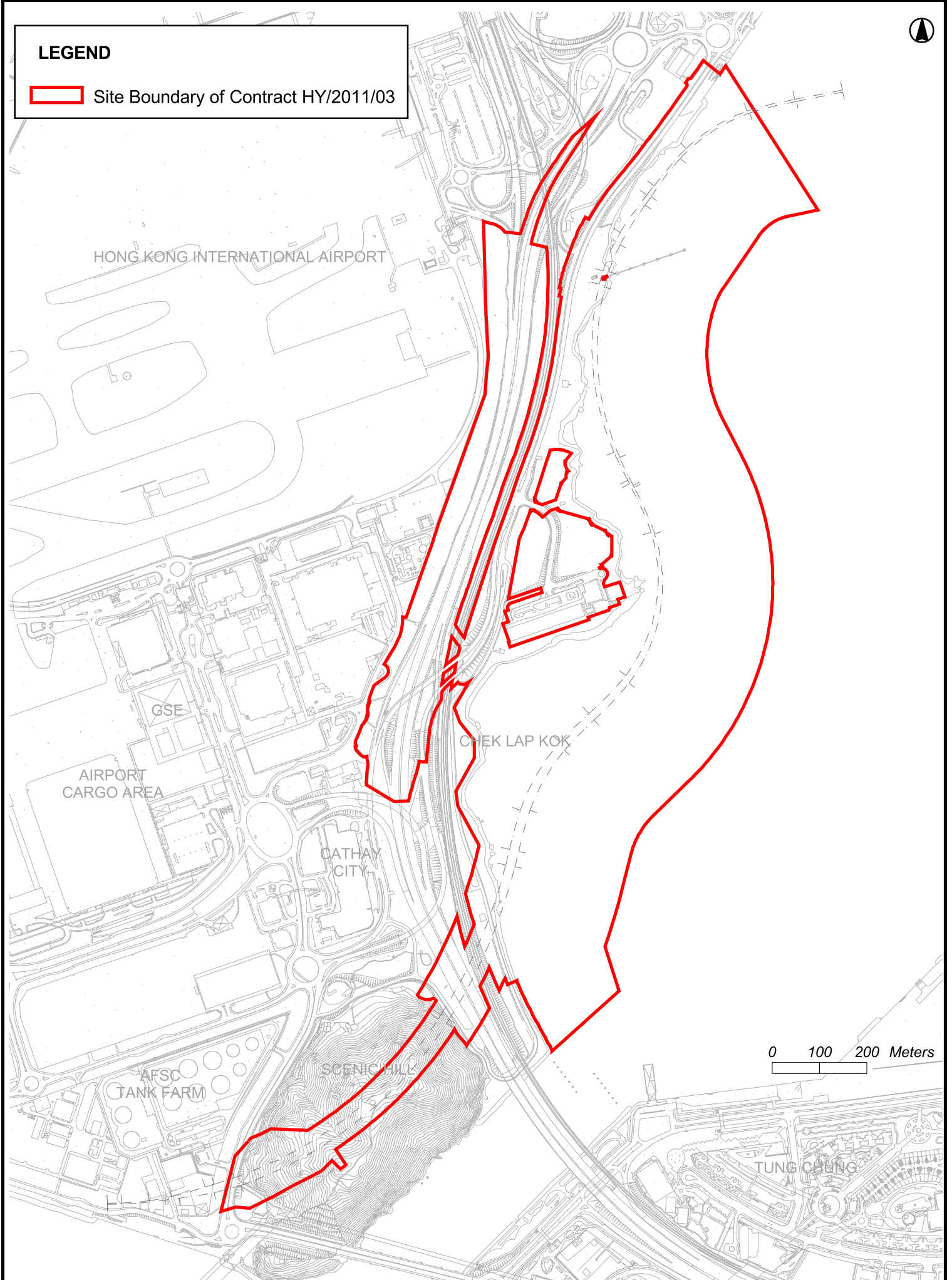
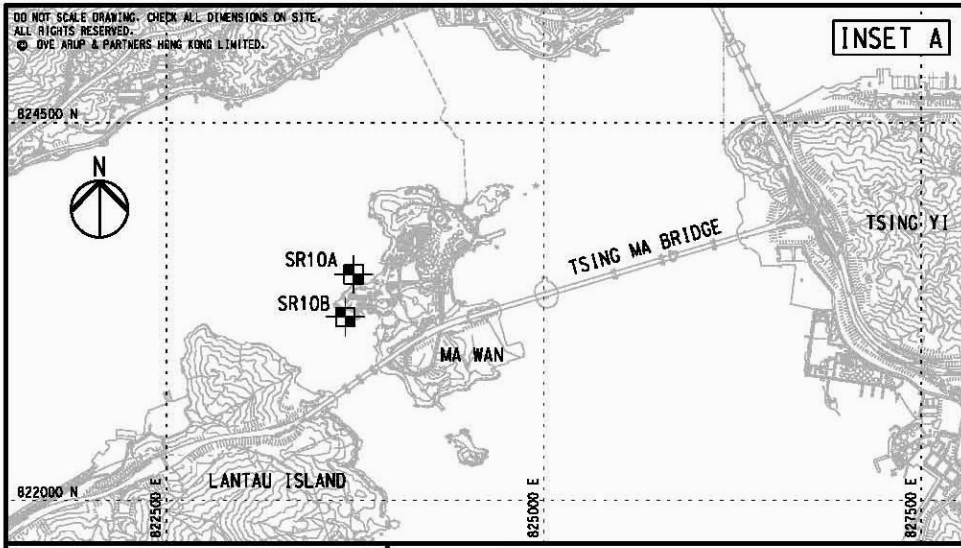
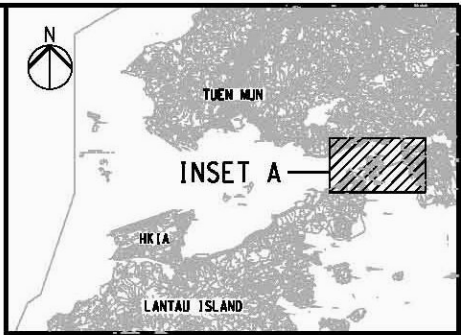
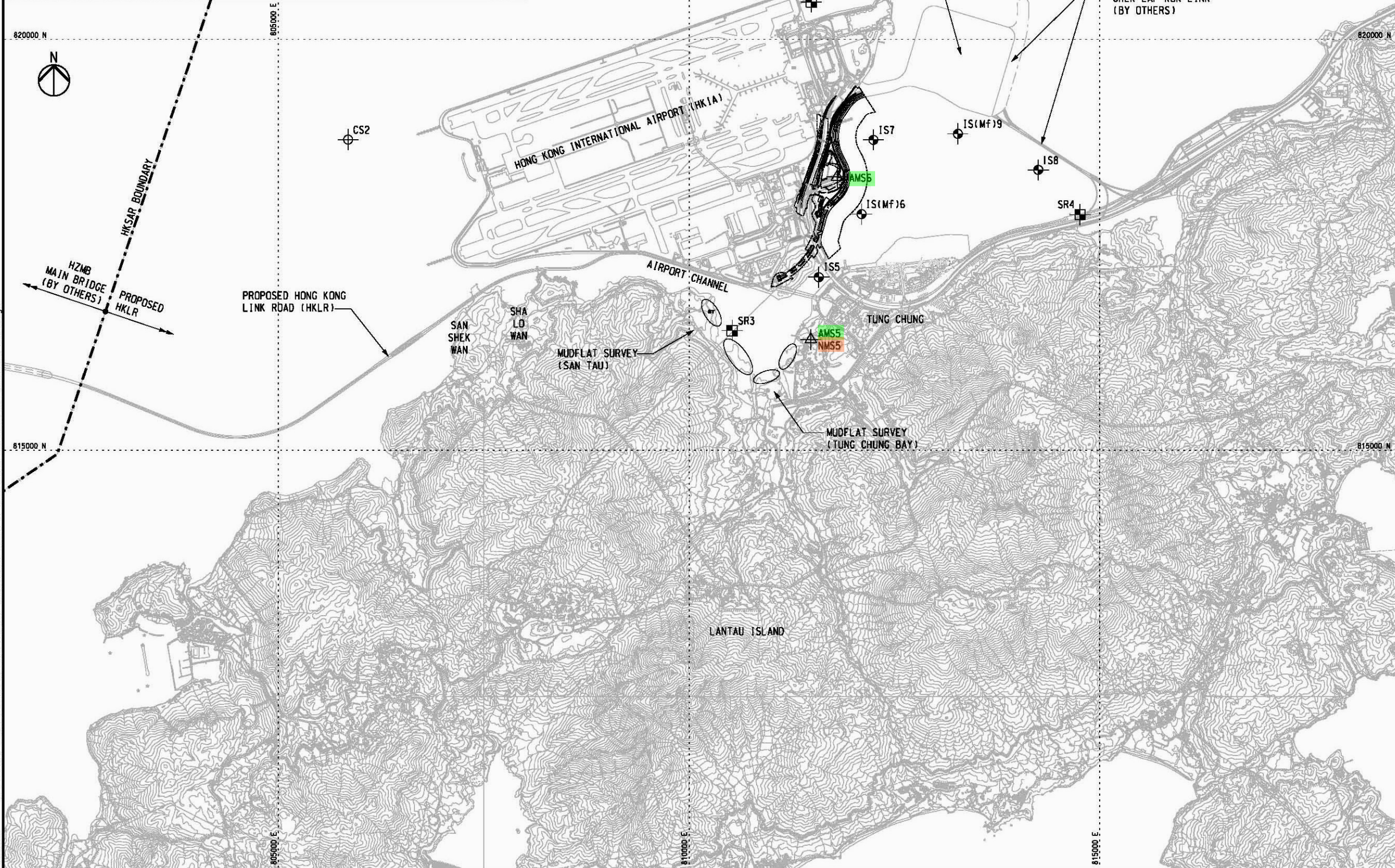


Figure 1.1 Location of the Site



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 (EMPO) 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, EMPO AND SUPERVISING OFFICER THE DETAILS OF THE MUDFLAT SURVEY IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE EIA REPORTS AND E&M MANUALS.
 3. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS STIPULATED IN THE E&M MANUALS TO CONDUCT THE ENVIRONMENTAL MONITORING AND AUDIT WORKS.

- LEGEND
- WORKS BOUNDARY OF CONTRACT HY2011/03
 - 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

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

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

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

Drawing title
ENVIRONMENTAL MONITORING STATIONS

Drawing		Figure 2.1		Rev.	A
Drawn	Date	Checked	Approved		
RY	11/11	AW	SK		
Scale	As shown	Status			

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



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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
14th Monthly EM&A Report

APPENDIX A

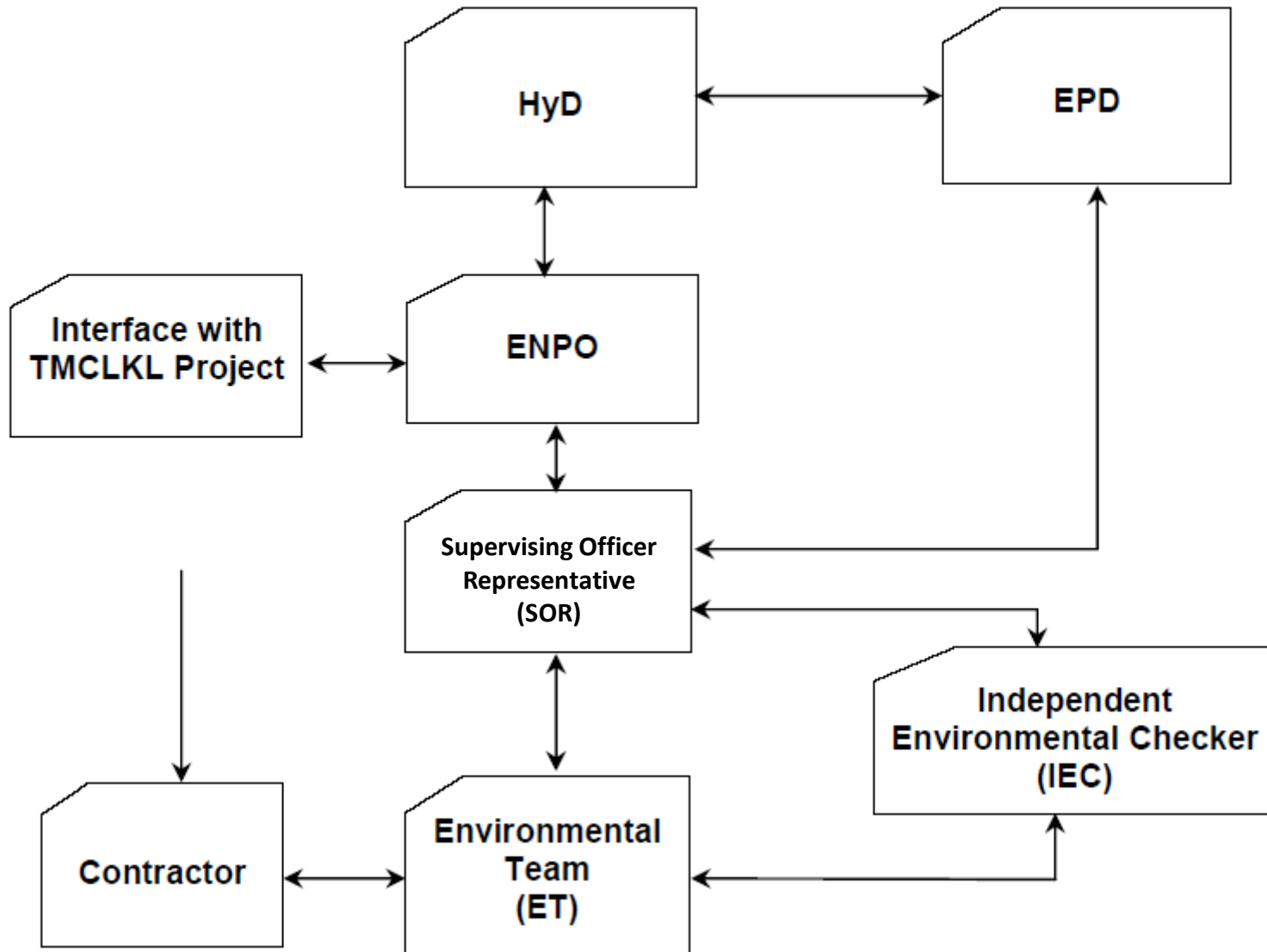
Environmental Management Structure



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CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Project Organization for Environmental Works

↔ Line of communication





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Hong Kong - Zhuhai - Macao Bridge
Hong Kong Project Management Office

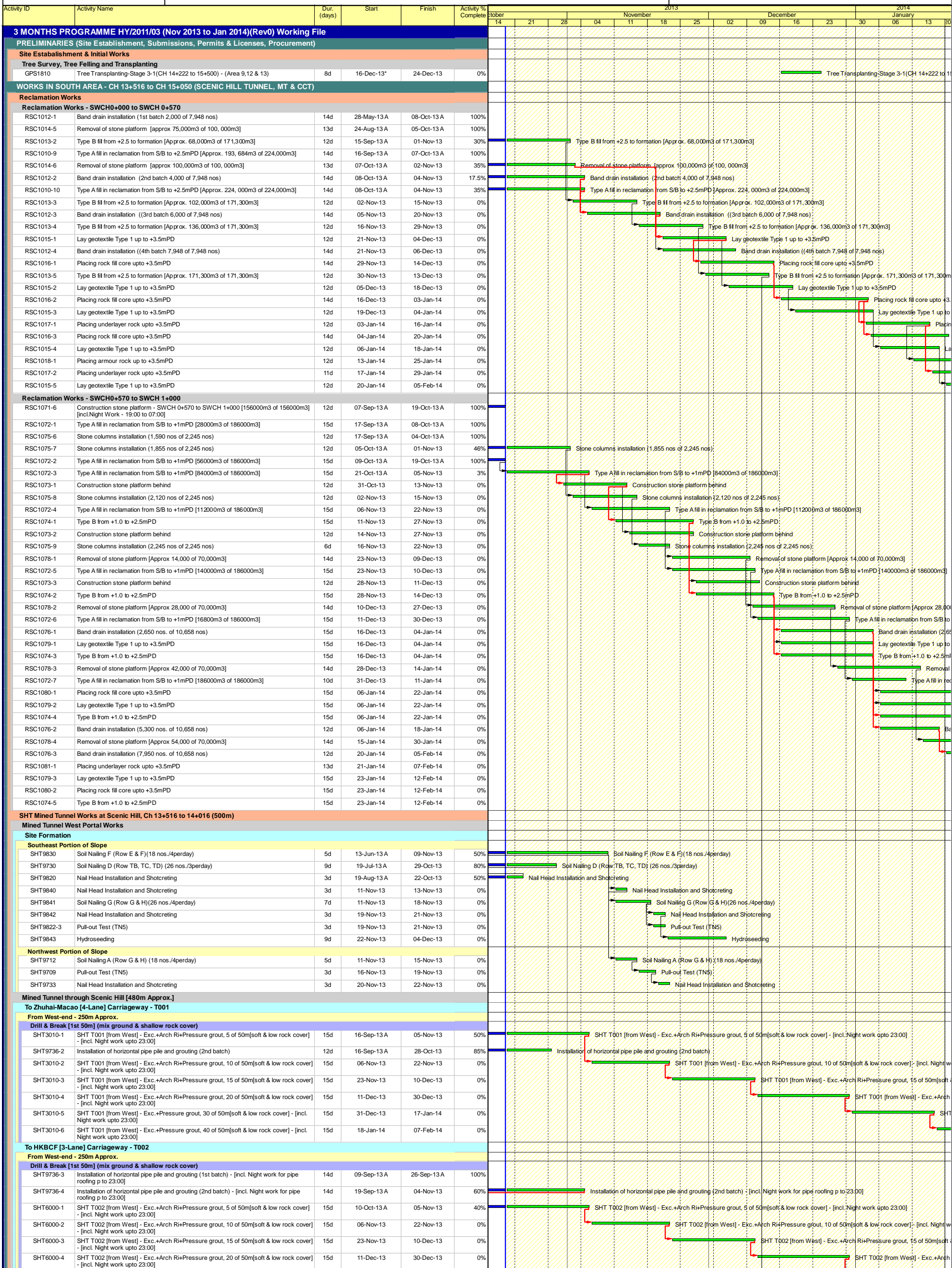
Contract No. HY/2011/03 : Hong Kong-Zhuhai-Macao Bridge
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APPENDIX B

Construction Programme



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



■ Works Programme
■ Works Programme
◆ Works Programme
◆ Milestone
◆ Milestone

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 WC/CKK			
Date	Revision	Che...	Approved
25-Oct-13		HKC	SYT

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



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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
14th Monthly EM&A Report

APPENDIX C

Calibration Certificates



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



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. : C133030
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC13-1223)

Description / 儀器名稱 : Acoustical Calibrator

Manufacturer / 製造商 : Brüel & Kjær

Model No. / 型號 : 4231

Serial No. / 編號 : 3003246

Supplied By / 委託者 : Atkins China Limited

13/F, Wharf T&T Centre, Harbour City, Tsim Sha Tsui, Kowloon

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

DATE OF TEST / 測試日期 : 21 May 2013

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.

All results are within manufacturer's specification.

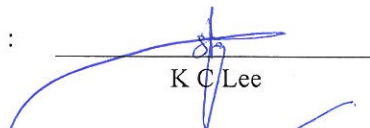
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA
- Agilent Technologies, USA

Tested By

測試

: 
K C Lee

Certified By

核證

: 
K M Wu

Date of Issue

簽發日期

: 23 May 2013

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。

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

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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

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E-mail/電郵: callab@suncreation.com

Website/網址: www.suncreation.com

Certificate of Calibration

校正證書

Certificate No. : C133030
證書編號

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.
- Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C123541
CL281	Multifunction Acoustic Calibrator	DC110233
TST150A	Measuring Amplifier	C120886

- Test procedure : MA100N.

- Results :

5.1 Sound Level Accuracy

5.1.1 Before Adjustment

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.1	± 0.2	± 0.2
114 dB, 1 kHz	114.1		

5.1.2 After Adjustment

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

5.2.1 Before Adjustment

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

5.2.2 After Adjustment

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

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Certificate No. : C133030

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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.

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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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. : C135382

證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC13-2172)

Description / 儀器名稱 : Integrating Sound Level Meter

Manufacturer / 製造商 : Brüel & Kjær

Model No. / 型號 : 2238

Serial No. / 編號 : 2808432

Supplied By / 委託者 : Atkins China Limited

13/F, Wharf T&T Centre, 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 : 26 August 2013

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
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA
- Agilent Technologies, USA

Tested By

測試

: 
K C Lee

Certified By

核證

: 
K M Wu

Date of Issue

簽發日期

: 28 August 2013

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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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. : C135382

證書編號

- 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.
- Self-calibration using laboratory acoustic calibrator was performed before the test from 6.1.1.2 to 6.4.
- The results presented are the mean of 3 measurements at each calibration point.

- Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C130019
CL281	Multifunction Acoustic Calibrator	DC130171

- Test procedure : MA101N.

- 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 Reading (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
50 - 130	L _{AFP}	A	F	94.00	1	94.2

- 6.1.1.2 After Self-calibration

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	94.1	± 0.7

- 6.1.2 Linearity

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
50 - 130	L _{AFP}	A	F	94.00	1	94.1 (Ref.)
				104.00		104.1
				114.00		114.1

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

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。

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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. : C135382
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	94.1	Ref.
	L _{ASP}		S			94.1	± 0.1
	L _{AIP}		I			94.2	± 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	55.0	-39.4 ± 1.5
					63 Hz	68.0	-26.2 ± 1.5
					125 Hz	78.0	-16.1 ± 1.0
					250 Hz	85.4	-8.6 ± 1.0
					500 Hz	90.9	-3.2 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	95.3	+1.2 ± 1.0
					4 kHz	95.1	+1.0 ± 1.0
					8 kHz	93.0	-1.1 (+1.5 ; -3.0)
					12.5 kHz	89.8	-4.3 (+3.0 ; -6.0)

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。

Certificate of Calibration

校正證書

Certificate No. : C135382
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	91.3	-3.0 ± 1.5
					63 Hz	93.4	-0.8 ± 1.5
					125 Hz	93.9	-0.2 ± 1.0
					250 Hz	94.1	0.0 ± 1.0
					500 Hz	94.1	0.0 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	93.9	-0.2 ± 1.0
					4 kHz	93.3	-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
			60 sec.					90	90.0	± 0.5
			5 min.					80	79.7	± 1.0
								70	69.7	± 1.0

Remarks : - UUT Microphone Model No. : 4188 & S/N : 2791442

- 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.

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS5(Ma Wan Chung Village)
Calibrated by : K.F.Ho
Date : 20/09/2013

Sampler

Model : TE-5170
Serial Number : S/N3640

Calibration Office and Standard Calibration Relationship

Serial Number : 2323
Service Date : 26 Dec 2012
Slope (m) : 2.09107
Intercept (b) : -0.02838
Correlation Coefficient(r) : 0.99996

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	1.571	62	61.4
2 13 holes	8.6	2.906	1.403	55	54.5
3 10 holes	6.6	2.546	1.231	48	47.6
4 7 holes	4.6	2.125	1.030	39	38.6
5 5 holes	2.8	1.658	0.807	29	28.7

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

Sampler Calibration Relationship

Slope(m): 42.176 Intercept(b): -5.510 Correlation Coefficient(r): 0.9997

Checked by: Magnum Fan

Date: 22/09/2013

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS5 (Ma Wan Chung Village)
Calibrated by : K.F.Ho
Date : 16/11/2013

Sampler

Model : TE-5170
Serial Number : S/N3640

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2323
Service Date : 26 Dec 2012
Slope (m) : 2.09107
Intercept (b) : -0.02838
Correlation Coefficient(r) : 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1018
Ta(K) : 297

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	10.8	3.304	1.594	59	59.32
2 13 holes	8.7	2.965	1.432	53	53.28
3 10 holes	6.7	2.602	1.258	47	47.25
4 7 holes	4.3	2.085	1.011	38	38.20
5 5 holes	2.7	1.652	0.804	30	30.16

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

Sampler Calibration Relationship

Slope(m): 36.696 Intercept(b): 0.893 Correlation Coefficient(r): 0.9998

Checked by: Magnum Fan

Date: 22/11/2013

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS6(Dragonair Building)
Calibrated by : K.F.Ho
Date : 13/09/2013

Sampler

Model : TE-5170
Serial Number : S/N3639

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2323
Service Date : 26 Dec 2012
Slope (m) : 2.09107
Intercept (b) : -0.02838
Correlation Coefficient(r) : 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1010
Ta(K) : 300

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	10.8	3.271	1.578	62	61.7
2 13 holes	8.8	2.952	1.425	56	55.7
3 10 holes	6.9	2.614	1.264	49	48.8
4 7 holes	4.7	2.158	1.045	39	38.8
5 5 holes	2.6	1.605	0.781	28	27.9

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

Sampler Calibration Relationship

Slope(m): 42.901 Intercept(b): -5.705 Correlation Coefficient(r): 0.9997

Checked by: Magnum Fan

Date: 15/09/2013

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS6 (Dragonair Building)
Calibrated by : K.F.Ho
Date : 16/11/2013

Sampler

Model : TE-5170
Serial Number : S/N3639

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2323
Service Date : 26 Dec 2012
Slope (m) : 2.09107
Intercept (b) : -0.02838
Correlation Coefficient(r) : 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1018
Ta(K) : 297

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	10.9	3.319	1.601	60	60.32
2 13 holes	8.9	2.999	1.448	54	54.29
3 10 holes	6.9	2.641	1.276	48	48.26
4 7 holes	4.8	2.203	1.067	39	39.21
5 5 holes	2.8	1.682	0.818	28	28.15

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

Sampler Calibration Relationship

Slope(m): 40.968 Intercept(b): -4.839 Correlation Coefficient(r): 0.9990

Checked by: Magnum Fan

Date: 22/11/2013



TISCH ENVIRONMENTAL, INC.
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AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Dec 26, 2012 Rootsmeter S/N 0438320 Ta (K) - 295
 Operator Tisch Orifice I.D. - 2323 Pa (mm) - 753.11

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	1.4440	3.2	2.00
2	NA	NA	1.00	1.0240	6.4	4.00
3	NA	NA	1.00	0.9120	8.0	5.00
4	NA	NA	1.00	0.8720	8.8	5.50
5	NA	NA	1.00	0.7200	12.8	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
0.9967	0.6902	1.4149	0.9957	0.6896	0.8851
0.9925	0.9693	2.0010	0.9915	0.9683	1.2517
0.9903	1.0858	2.2372	0.9893	1.0847	1.3995
0.9893	1.1345	2.3464	0.9883	1.1334	1.4678
0.9840	1.3666	2.8299	0.9830	1.3652	1.7702
Qstd slope (m) = 2.09107			Qa slope (m) = 1.30939		
intercept (b) = -0.02838			intercept (b) = -0.01775		
coefficient (r) = 0.99996			coefficient (r) = 0.99996		
y axis = SQRT[H2O(Pa/760)(298/Ta)]			x 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
 Sensitivity Adjustment Scale Setting : 799 CPM

Operator: _____

Standard Equipment

Equipment : MFC High Volume Air Sampler
 Venue : Wah Ming House, Wah Fu Estate
 Model No.: TE-5170 Total Suspended Particulated
 Serial No.: 276018

Previous Calibration Date N/A

Calibration Result

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

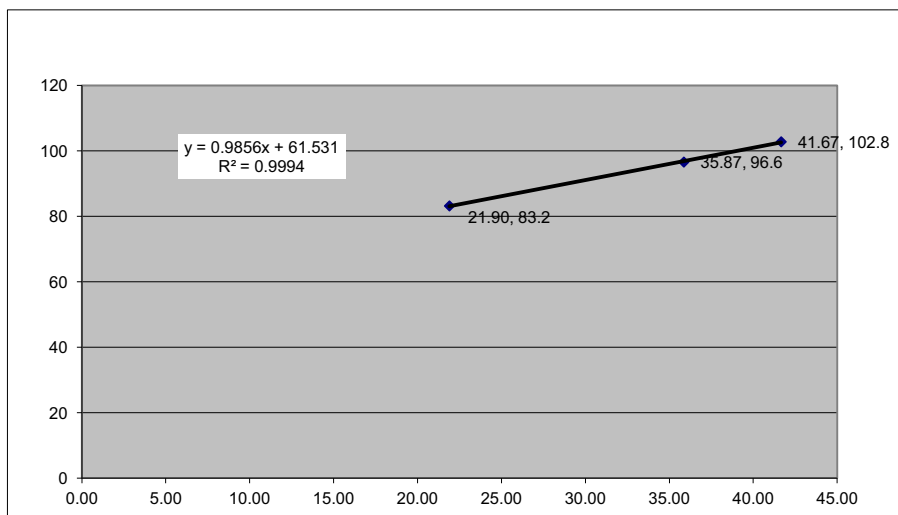
Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m3) Y-axis	Total Count	Count/Minute X-axis
				Temp (C)	R.H. (%)			
1	16-Oct-12	13:14	14:14	26.2	74%	83.2	1314	21.90
2	16-Oct-12	14:22	15:22	26.2	74%	96.6	2152	35.87
3	16-Oct-12	15:30	16:30	26.2	74%	102.8	2500	41.67

Be Linear Regression of Y or X

Slope (K-factor): 0.9856

Correlation coefficient : 0.9994

Remark: _____



Recorded by: Ruby Law

Signature: 

Date: 10/21/2012

Checked by: Keith Chau

Signature: 

Date: 10/21/2012

EQUIPMENT CALIBRATION RECORD

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

Operator: _____

Standard Equipment

Equipment : MFC High Volume Air Sampler
 Venue : The Arcade, Cyberport
 Model No.: TE-5170 Total Suspended Particulated
 Serial No.: 276018

Last Calibration Date N/A

Calibration Result

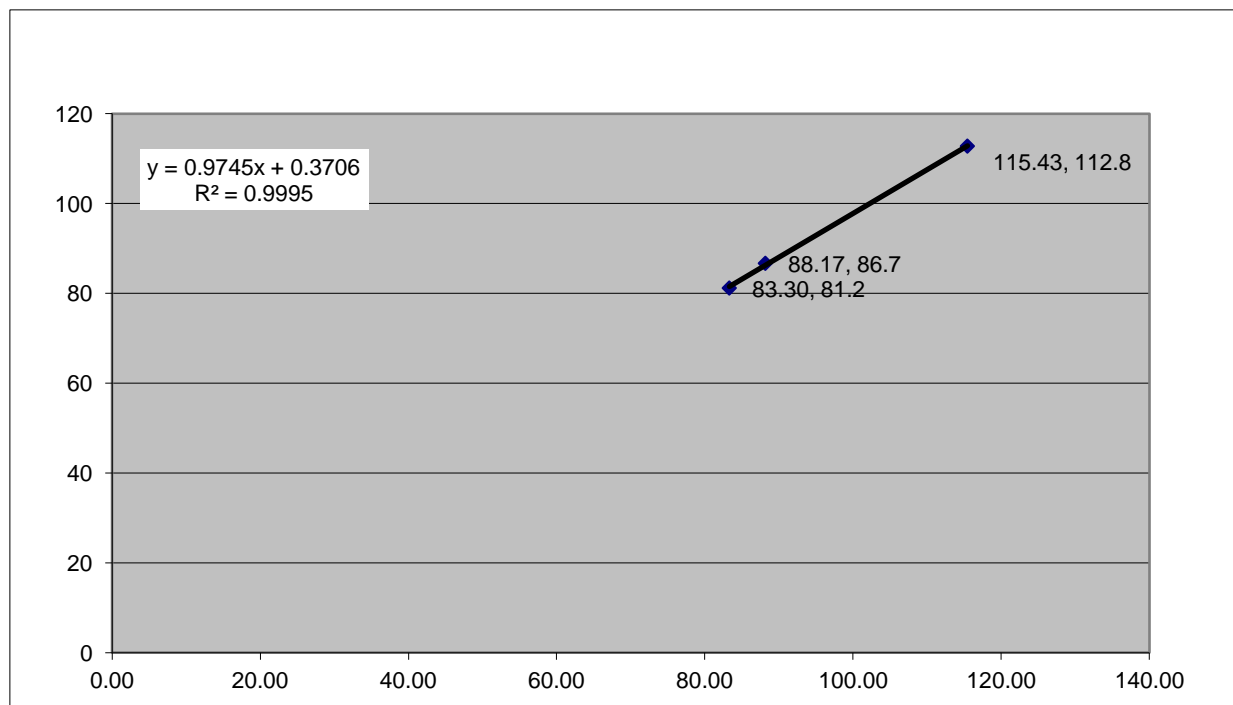
Sensitivity Adjustment Scale Setting (Before Calibration) : 799 CPM
 Sensitivity Adjustment Scale Setting (After Calibration) : 799 CPM

Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m3) Y-axis	Total Count	Count/Minute X-axis
				Temp (C)	R.H. (%)			
1	04-Oct-13	09:34	10:34	26.2	72%	112.8	6926	115.43
2	04-Oct-13	10:45	11:45	26.2	72%	86.7	5290	88.17
3	04-Oct-13	11:50	12:50	26.2	72%	81.2	4998	83.30

Be Linear Regression of Y or X

Slope (K-factor): 0.975
 Correlation coefficient : 0.9995

Remark: _____



Recorded by: Ruby Law

Signature: 

Date: 21/10/2013

Checked by: Keith Chau

Signature: 

Date: 21/10/2013

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



Work Order: HK1322077
Date of Issue: 21/08/2013
Client: AECOM ASIA COMPANY LIMITED

Description: YSI Sonde
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12A101545
Equipment No.: -- W. 026.35
Date of Calibration: 15 August, 2013

Date of next Calibration: 15 November, 2013

Parameters:

Conductivity

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

Expected Reading (uS/cm)	Displayed Reading (uS/cm)	Tolerance (%)
146.9	152.0	3.5
6667	6582	-1.3
12890	11950	-7.3
58670	56820	-3.2
Tolerance Limit (±%)		10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.45	3.49	0.04
5.80	5.85	0.05
7.25	7.29	0.04
Tolerance Limit (±mg/L)		0.20

pH Value

Method Ref: APHA 21st Ed. 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	3.99	-0.01
7.0	7.07	0.07
10.0	10.00	0.00
Tolerance Limit (±pH unit)		0.20

Salinity

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.02	--
10	9.83	-1.7
20	19.41	-3.0
30	29.13	-2.9
Tolerance Limit (±%)		10.0

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: HK1322077
Date of Issue: 21/08/2013
Client: AECOM ASIA COMPANY LIMITED

Description: YSI Sonde
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12A101545
Equipment No.: -- W.026.35
Date of Calibration: 15 August, 2013 **Date of next Calibration:** 15 November, 2013

Parameters:

Temperature

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
15.0	14.86	-0.1
25.5	25.39	-0.1
36.0	36.10	0.1
Tolerance Limit (±°C)		2.0

Turbidity

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0	--
4	4.1	2.5
10	10.2	2.0
20	20.5	2.5
50	51.1	2.2
100	100.8	0.8
Tolerance Limit (±%)		10.0

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

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



Work Order: HK1331508
Date of Issue: 18/11/2013
Client: AECOM ASIA COMPANY LIMITED

Equipment Type: YSI Sonde
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12A101545
Equipment No.: W.026.35
Date of Calibration: 14 November, 2013 **Date of next Calibration:** 14 February, 2014

Parameters:

Conductivity

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

Expected Reading (uS/cm)	Displayed Reading (uS/cm)	Tolerance (%)
146.9	150.5	2.5
6667	6460	-3.1
12890	12710	-1.4
58670	58120	-0.9
Tolerance Limit (±%)		10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.49	3.51	0.02
5.05	5.11	0.06
7.59	7.54	-0.05
Tolerance Limit (±mg/L)		0.20

pH Value

Method Ref: APHA 21st Ed. 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	3.94	-0.06
7.0	6.98	-0.02
10.0	9.99	-0.01
Tolerance Limit (±pH unit)		0.20

Salinity

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.01	--
10	9.77	-2.3
20	19.40	-3.0
30	29.73	-0.9
Tolerance Limit (±%)		10.0

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: HK1331508
Date of Issue: 18/11/2013
Client: AECOM ASIA COMPANY LIMITED

Equipment Type: YSI Sonde
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12A101545
Equipment No.: W.026.35
Date of Calibration: 14 November, 2013 **Date of next Calibration:** 14 February, 2014

Parameters:

Temperature

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
16.5	16.42	-0.1
26.0	26.51	0.5
38.0	38.22	0.2
Tolerance Limit (±°C)		2.0

Turbidity

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0	--
4	3.8	-5.0
10	9.9	-1.0
20	19.2	-4.0
50	48.0	-4.0
100	99.1	-0.9
Tolerance Limit (±%)		10.0

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

REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION

Work Order: HK1327504
Date of Issue: 22/10/2013
Client: AECOM ASIA COMPANY LIMITED



Equipment Type: Multimeter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12D100972
Equipment No.: W.026.36
Date of Calibration: 08 October, 2013 **Date of next Calibration:** 08 January, 2014

Parameters:

Conductivity

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

Expected Reading (uS/cm)	Displayed Reading (uS/cm)	Tolerance (%)
146.9	141.0	-4.0
6667	6232	-6.5
12890	12570	-2.5
58670	55110	-6.1
Tolerance Limit (±%)		10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.55	3.44	-0.11
5.70	5.76	0.06
7.20	7.29	0.09
Tolerance Limit (±mg/L)		0.20

pH Value

Method Ref: APHA 21st Ed. 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	4.10	0.10
7.0	7.06	0.06
10.0	10.03	0.03
Tolerance Limit (±pH unit)		0.20

Salinity

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.07	--
10	9.99	-0.1
20	20.05	0.3
30	30.64	2.1
Tolerance Limit (±%)		10.0

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: HK1327504
Date of Issue: 22/10/2013
Client: AECOM ASIA COMPANY LIMITED

Description: Multimeter
Brand Name: YSI
Model No.: 6820 V2
Serial No.: 12D100972
Equipment No.: W.026.36
Date of Calibration: 08 October, 2013 **Date of next Calibration:** 08 January, 2014

Parameters:

Temperature

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
14.0	14.11	0.1
25.0	25.14	0.1
36.5	36.69	0.2
Tolerance Limit (±°C)		2.0

Turbidity

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.2	5.0
10	10.5	5.0
20	19.6	-2.0
50	48.2	-3.6
100	99.8	-0.2
Tolerance Limit (±%)		10.0

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



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



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
14th Monthly EM&A Report

APPENDIX D

Monitoring Schedule



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

Nov-13

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Time					01-Nov	02-Nov	03-Nov
					AMS6/AMS5 - 24hr Dust 1st Dolphin Monitoring Water Quality Monitoring		
Time	04-Nov	05-Nov	06-Nov	07-Nov	08-Nov	09-Nov	10-Nov
	AMS6-1hr AMS5-1hr+NMS5 Water Quality Monitoring	1st Dolphin Monitoring	Water Quality Monitoring	AMS6/AMS5 - 24hr Dust	AMS6-1hr AMS5-1hr 2nd Dolphin Monitoring Water Quality Monitoring		
Time	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov	17-Nov
	Water Quality Monitoring		AMS6/AMS5 - 24hr Dust 2nd Dolphin Monitoring(See Remark 1) Water Quality Monitoring	AMS6-1hr AMS5-1hr+NMS5	Water Quality Monitoring		
Time	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov
	Water Quality Monitoring	AMS6 - 24hr Dust	AMS6-1hr AMS5-1hr+NMS5 Water Quality Monitoring	AMS5 - 24hr Dust (See Remark 2)	Water Quality Monitoring		
Time	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	
	AMS6/AMS5 - 24hr Dust Water Quality Monitoring	AMS6-1hr AMS5-1hr+NMS5	Water Quality Monitoring		AMS6/AMS5 - 24hr Dust Water Quality Monitoring		

Remark:

1. Due to the strong wind condition, the dolphin monitoring was rescheduled from 12 Nov 2013 to 13 Nov 2013.
2. Due to the electricity supply problem to high volume sampler, the 24-hr dust monitoring at AMS5 was rescheduled from 19 Nov 2013 to 21 Nov 2013.

Dec-13

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Time							01-Dec
Time	02-Dec	03-Dec	04-Dec	05-Dec	06-Dec	07-Dec	08-Dec
	AMS6-1hr AMS5-1hr+NMS5 Water Quality Monitoring		Mudflat monitoring Water Quality Monitoring	AMS6/AMS5 - 24hr Dust 1st Dolphin Monitoring	AMS6-1hr AMS5-1hr Water Quality Monitoring	Mudflat monitoring Mudflat monitoring (sedimentation rate monitoring)	Mudflat monitoring
Time	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	15-Dec
	1st Dolphin Monitoring Water Quality Monitoring		AMS6/AMS5 - 24hr Dust Water Quality Monitoring	AMS6-1hr AMS5-1hr+NMS5	2nd Dolphin Monitoring Water Quality Monitoring		
Time	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	22-Dec
	Water Quality Monitoring	2nd Dolphin Monitoring AMS6/AMS5 - 24hr Dust	AMS6-1hr AMS5-1hr+NMS5 Mudflat monitoring Water Quality Monitoring		Water Quality Monitoring	Mudflat monitoring	Mudflat monitoring
Time	23-Dec	24-Dec	25-Dec	26-Dec	27-Dec	28-Dec	29-Dec
	AMS6/AMS5 - 24hr Dust Water Quality Monitoring	AMS6-1hr AMS5-1hr+NMS5	Holiday Water Quality Monitoring	Holiday	AMS6/AMS5 - 24hr Dust Water Quality Monitoring		
Time	30-Dec	31-Dec					
	AMS6-1hr AMS5-1hr+NMS5 Water Quality Monitoring						



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
14th Monthly EM&A Report

APPENDIX E

Monitoring Data



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

Air Quality Monitoring Data

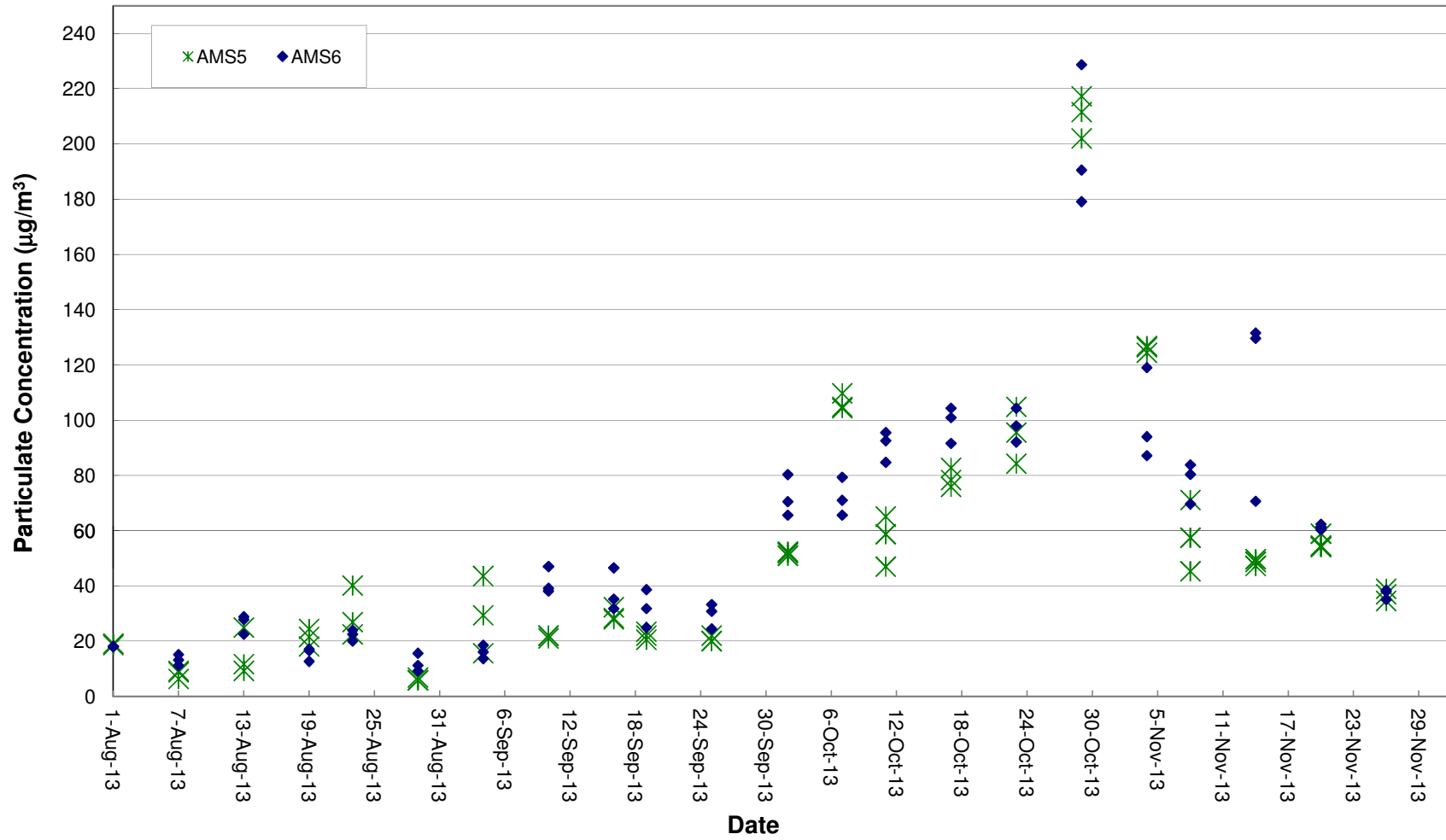
Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2013-11-04	AMS5	09:20	1-hr TSP	126	ug/m3
HKLR	HY/2011/03	2013-11-04	AMS5	10:20	1-hr TSP	124	ug/m3
HKLR	HY/2011/03	2013-11-04	AMS5	11:20	1-hr TSP	127	ug/m3
HKLR	HY/2011/03	2013-11-08	AMS5	09:25	1-hr TSP	71	ug/m3
HKLR	HY/2011/03	2013-11-08	AMS5	10:25	1-hr TSP	58	ug/m3
HKLR	HY/2011/03	2013-11-08	AMS5	11:25	1-hr TSP	45	ug/m3
HKLR	HY/2011/03	2013-11-14	AMS5	09:20	1-hr TSP	50	ug/m3
HKLR	HY/2011/03	2013-11-14	AMS5	10:20	1-hr TSP	47	ug/m3
HKLR	HY/2011/03	2013-11-14	AMS5	11:20	1-hr TSP	49	ug/m3
HKLR	HY/2011/03	2013-11-20	AMS5	13:40	1-hr TSP	55	ug/m3
HKLR	HY/2011/03	2013-11-20	AMS5	14:40	1-hr TSP	54	ug/m3
HKLR	HY/2011/03	2013-11-20	AMS5	15:40	1-hr TSP	59	ug/m3
HKLR	HY/2011/03	2013-11-26	AMS5	08:50	1-hr TSP	39	ug/m3
HKLR	HY/2011/03	2013-11-26	AMS5	09:50	1-hr TSP	37	ug/m3
HKLR	HY/2011/03	2013-11-26	AMS5	10:50	1-hr TSP	35	ug/m3
HKLR	HY/2011/03	2013-11-01	AMS5	08:00	24-hr TSP	97	ug/m ³
HKLR	HY/2011/03	2013-11-07	AMS5	08:00	24-hr TSP	90	ug/m ³
HKLR	HY/2011/03	2013-11-13	AMS5	08:00	24-hr TSP	12	ug/m ³
HKLR	HY/2011/03	2013-11-21	AMS5	14:30	24-hr TSP	65	ug/m ³
HKLR	HY/2011/03	2013-11-25	AMS5	08:00	24-hr TSP	93	ug/m ³
HKLR	HY/2011/03	2013-11-29	AMS5	08:00	24-hr TSP	62	ug/m ³
HKLR	HY/2011/03	2013-11-04	AMS6	13:30	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2013-11-04	AMS6	14:30	1-hr TSP	94	ug/m3
HKLR	HY/2011/03	2013-11-04	AMS6	15:30	1-hr TSP	119	ug/m3
HKLR	HY/2011/03	2013-11-08	AMS6	13:00	1-hr TSP	70	ug/m3
HKLR	HY/2011/03	2013-11-08	AMS6	14:00	1-hr TSP	84	ug/m3
HKLR	HY/2011/03	2013-11-08	AMS6	15:00	1-hr TSP	80	ug/m3
HKLR	HY/2011/03	2013-11-14	AMS6	13:24	1-hr TSP	71	ug/m3
HKLR	HY/2011/03	2013-11-14	AMS6	14:24	1-hr TSP	130	ug/m3
HKLR	HY/2011/03	2013-11-14	AMS6	15:24	1-hr TSP	132	ug/m3
HKLR	HY/2011/03	2013-11-20	AMS6	08:15	1-hr TSP	61	ug/m3
HKLR	HY/2011/03	2013-11-20	AMS6	09:15	1-hr TSP	60	ug/m3
HKLR	HY/2011/03	2013-11-20	AMS6	10:15	1-hr TSP	62	ug/m3
HKLR	HY/2011/03	2013-11-26	AMS6	12:58	1-hr TSP	35	ug/m3
HKLR	HY/2011/03	2013-11-26	AMS6	13:58	1-hr TSP	38	ug/m3
HKLR	HY/2011/03	2013-11-26	AMS6	14:58	1-hr TSP	39	ug/m3
HKLR	HY/2011/03	2013-11-01	AMS6	08:00	24-hr TSP	160	ug/m ³
HKLR	HY/2011/03	2013-11-07	AMS6	08:00	24-hr TSP	101	ug/m ³
HKLR	HY/2011/03	2013-11-13	AMS6	08:00	24-hr TSP	88	ug/m ³
HKLR	HY/2011/03	2013-11-19	AMS6	08:00	24-hr TSP	159	ug/m ³
HKLR	HY/2011/03	2013-11-25	AMS6	08:00	24-hr TSP	134	ug/m ³
HKLR	HY/2011/03	2013-11-29	AMS6	08:00	24-hr TSP	98	ug/m ³

Remark:

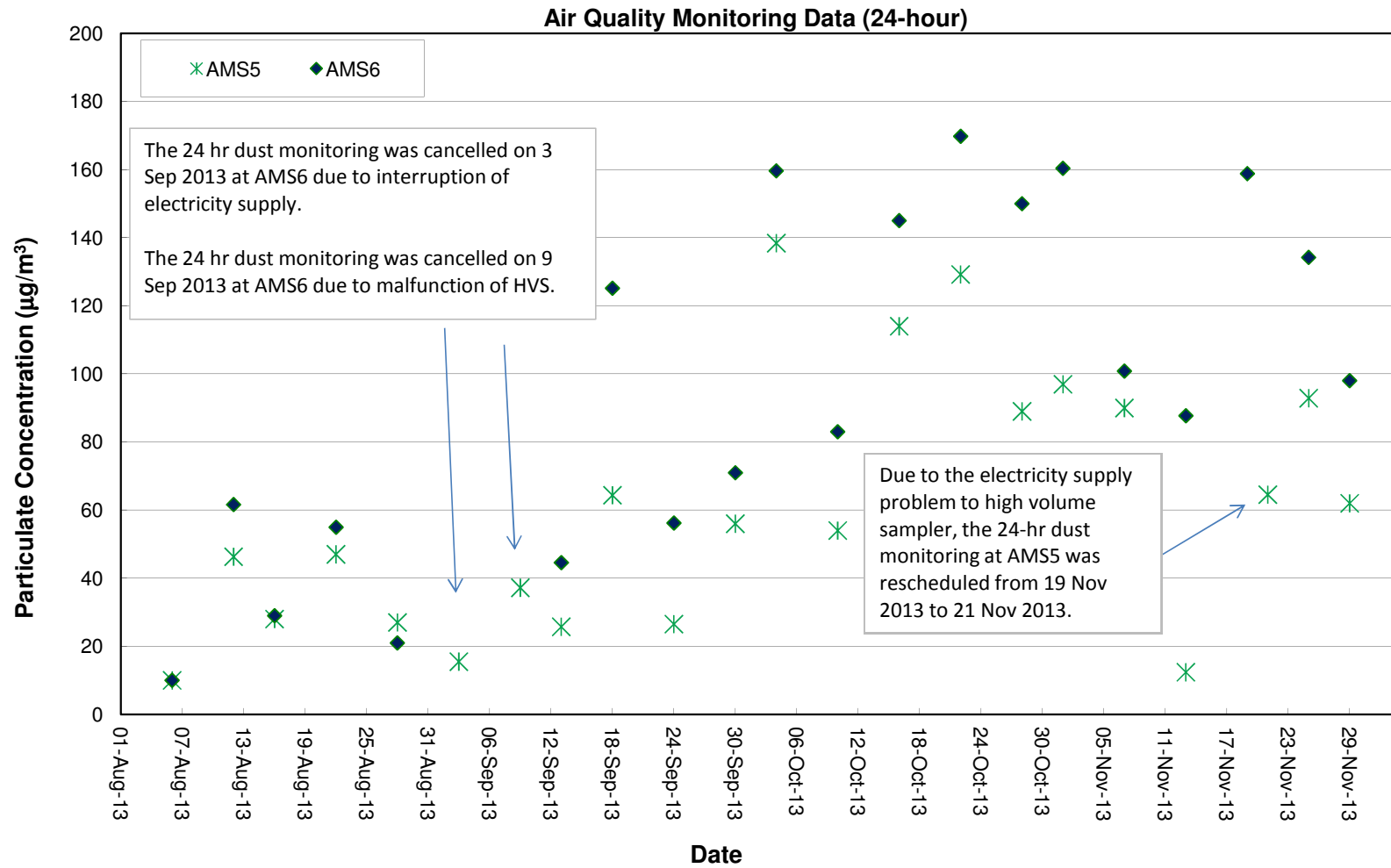
- 1) Due to the electricity supply problem to high volume sampler, the 24-hr dust monitoring at AMS5 was rescheduled from 19 Nov 2013 to 21 Nov 2013.

Graphical Plot of 1-hour TSP at AMS5 and AMS6

Air Quality Monitoring Data (1-hour)



Graphical Plot of 24-hour TSP at AMS5 and AMS6

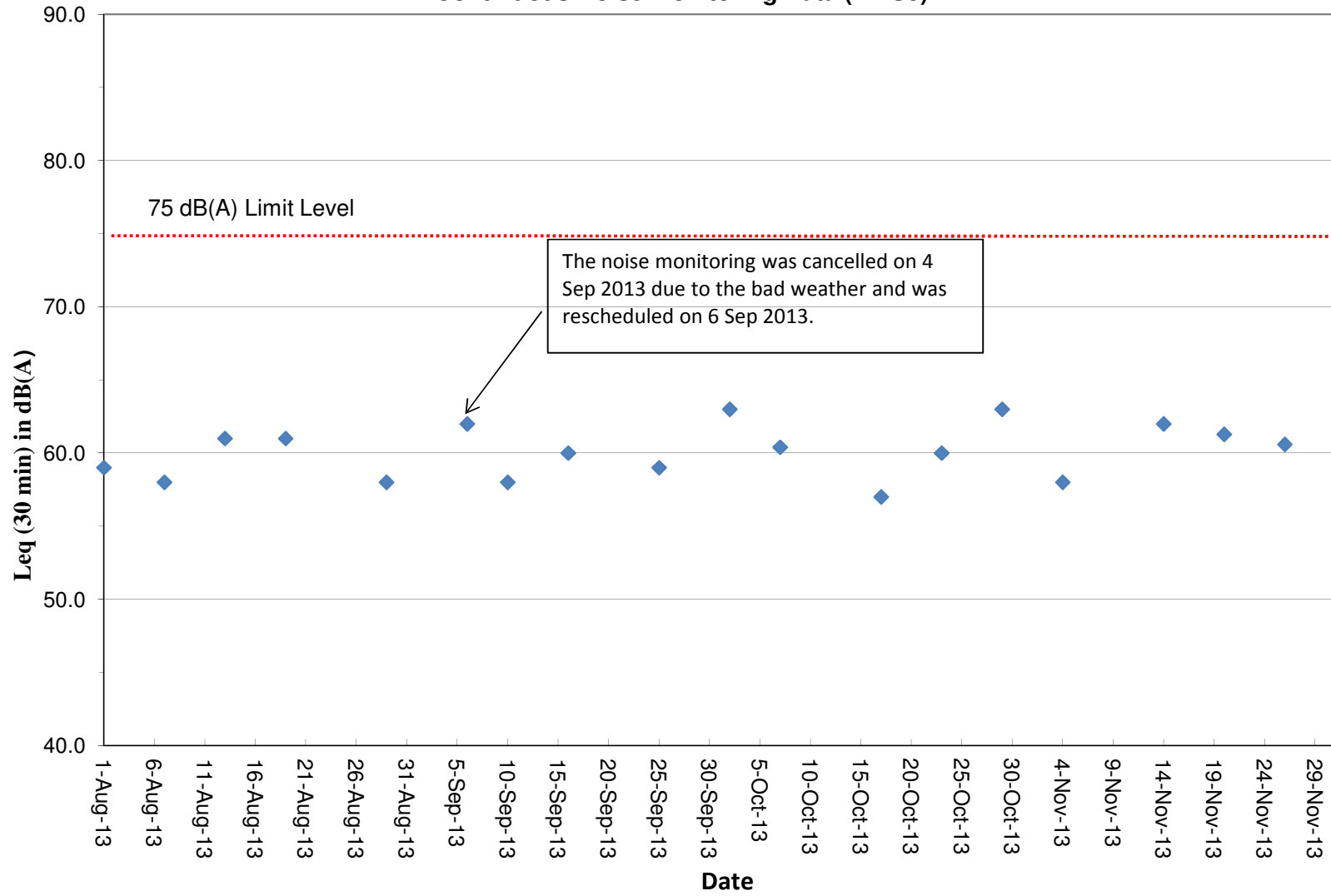


Noise Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Start Time	Wind Speed, m/s	1st set 5mins		2nd set 5mins		3rd set 5mins		4th set 5mins		5th set 5mins		6th set 5mins		Overall (30mins)*	Unit	
						Leq:	L10:	L90:	Leq:	L10:	L90:	Leq:	L10:	L90:	Leq:	L10:	L90:			Leq:
HKLR	HY/2011/03	2013-11-04	NMS5	9:40	<5	Leq:	54.2	Leq:	56.0	Leq:	55.5	Leq:	54.2	Leq:	52.8	Leq:	55.7	Leq:	57.9	dB(A)
						L10:	56.5	L10:	59.0	L10:	58.0	L10:	56.0	L10:	55.0	L10:	59.0	L10:	60.5	
						L90:	50.5	L90:	51.5	L90:	51.5	L90:	51.5	L90:	50.0	L90:	51.0	L90:	54.0	
HKLR	HY/2011/03	2013-11-14	NMS5	9:45	<5	Leq:	57.4	Leq:	56.8	Leq:	57.4	Leq:	55.8	Leq:	63.0	Leq:	55.3	Leq:	61.5	dB(A)
						L10:	61.5	L10:	59.0	L10:	61.5	L10:	59.5	L10:	64.5	L10:	59.0	L10:	64.3	
						L90:	48.5	L90:	53.0	L90:	49.5	L90:	48.5	L90:	49.0	L90:	48.5	L90:	52.9	
HKLR	HY/2011/03	2013-11-20	NMS5	14:10	<5	Leq:	63.5	Leq:	54.5	Leq:	56.7	Leq:	54.4	Leq:	55.9	Leq:	55.9	Leq:	61.3	dB(A)
						L10:	68.5	L10:	58.0	L10:	60.0	L10:	56.5	L10:	58.5	L10:	59.0	L10:	65.5	
						L90:	51.5	L90:	49.5	L90:	50.0	L90:	50.5	L90:	51.0	L90:	50.0	L90:	53.5	
HKLR	HY/2011/03	2013-11-26	NMS5	9:19	<5	Leq:	57.2	Leq:	56.9	Leq:	58.3	Leq:	60.6	Leq:	54.6	Leq:	55.4	Leq:	60.6	dB(A)
						L10:	60.5	L10:	60.0	L10:	61.5	L10:	63.0	L10:	57.5	L10:	58.5	L10:	63.5	
						L90:	50.5	L90:	51.0	L90:	53.0	L90:	51.5	L90:	50.5	L90:	50.5	L90:	54.3	

Graphical Plot of Noise Levels at NMS5

Continuous Noise Monitoring Data (NMS5)



Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS5	12:14:34	1.0	Surface	1	1	25.62	7.88	30.21	124	8.54	8.1	8.6	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS5	12:15:07	1.0	Surface	1	2	25.65	7.88	30.21	124.7	8.58	8.2	7	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS5	12:15:02	4.7	Middle	2	1	25.64	7.88	30.22	124	8.54	8.4	10.4	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS5	12:14:28	4.7	Middle	2	2	25.62	7.88	30.21	123.8	8.52	8.2	9.7	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS5	12:14:17	8.4	Bottom	3	1	25.59	7.87	30.22	123.5	8.51	8.4	12.8	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS5	12:14:52	8.4	Bottom	3	2	25.6	7.88	30.23	123.7	8.52	8.6	11.6	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS(MF)6	12:05:55	1.0	Surface	1	1	25.66	7.92	30.38	132	9.08	16.2	11.1	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS(MF)6	12:05:43	1.0	Surface	1	2	25.64	7.92	30.38	131.9	9.07	16.4	12.4	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS(MF)6	12:05:37	2.4	Bottom	3	1	25.66	7.92	30.38	132	9.07	17	11.6	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS(MF)6	12:05:49	2.4	Bottom	3	2	25.64	7.92	30.39	132	9.08	16.7	13.1	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS7	11:57:57	1.0	Surface	1	1	25.34	7.9	30.31	128.6	8.9	8.2	5.9	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS7	11:58:32	1.0	Surface	1	2	25.34	7.91	30.29	128.8	8.91	8	6.1	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS7	11:58:22	2.4	Bottom	3	1	25.31	7.89	30.35	127.1	8.79	9.4	7.7	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS7	11:57:45	2.4	Bottom	3	2	25.31	7.89	30.34	126.6	8.76	9.8	6.8	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS8	11:29:01	1.0	Surface	1	1	25.38	7.89	30.2	125.5	8.68	7.4	7.6	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS8	11:27:49	1.0	Surface	1	2	25.42	7.89	30.09	126.2	8.73	7.3	7.1	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS8	11:28:52	2.5	Bottom	3	1	25.35	7.89	30.3	124.2	8.59	8.4	7.7	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS8	11:27:38	2.5	Bottom	3	2	25.34	7.87	30.3	124.3	8.59	8.1	8.2	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS(MF)9	11:50:00	1.0	Surface	1	1	25.67	7.93	30.03	139.6	9.61	7.5	7	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS(MF)9	11:50:30	1.0	Surface	1	2	25.66	7.94	30.05	139.8	9.63	7.1	6.5	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS(MF)9	11:50:17	2.4	Bottom	3	1	25.45	7.92	30.22	137	9.46	9.3	8	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS(MF)9	11:49:48	2.4	Bottom	3	2	25.45	7.92	30.22	137.4	9.49	9.7	6.8	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS10	11:32:38	1.0	Surface	1	1	25.8	8.3	28.81	120.4	8.33	4.3	5.6	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS10	11:33:26	1.0	Surface	1	2	25.81	8.32	28.77	124.2	8.6	4.5	4.5	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS10	11:33:03	5.5	Middle	2	1	25.45	8.28	29.91	117.2	8.11	8	5.9	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS10	11:32:25	5.5	Middle	2	2	25.44	8.27	29.94	115.9	8.02	7.9	6.7	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS10	11:32:16	9.9	Bottom	3	1	25.44	8.27	29.98	116.9	8.09	7.4	6.5	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	IS10	11:32:55	9.9	Bottom	3	2	25.46	8.28	29.95	118.6	8.2	8	7.1	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR3	12:25:35	0.6	Middle	2	1	25.66	7.9	30.21	125.7	8.65	5.2	13.7	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR3	12:25:38	0.6	Middle	2	2	25.66	7.89	30.21	125.8	8.66	5.5	12.6	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR4	11:40:21	1.0	Surface	1	1	25.42	7.9	30.13	127.5	8.81	7.4	8.4	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR4	11:40:58	1.0	Surface	1	2	25.41	7.9	30.15	127.9	8.84	7.2	7.8	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR4	11:40:38	2.5	Bottom	3	1	25.35	7.88	30.33	125.4	8.67	8.1	11.4	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR4	11:39:59	2.5	Bottom	3	2	25.34	7.88	30.32	125.6	8.68	8.7	13.1	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR5	11:44:16	1.0	Surface	1	1	25.73	8.33	28.78	123.5	8.56	4.6	4.9	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR5	11:43:49	1.0	Surface	1	2	25.71	8.32	28.79	123.2	8.54	4.5	4.8	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR5	11:43:38	4.4	Bottom	3	1	25.54	8.31	29.83	122.6	8.47	5.9	4.3	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR5	11:44:01	4.4	Bottom	3	2	25.51	8.31	29.86	122.2	8.45	6	4.6	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10A	10:09:32	1.0	Surface	1	1	25.55	7.68	31.62	92.9	6.36	3.9	6	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10A	10:10:13	1.0	Surface	1	2	25.55	7.69	31.57	93.4	6.39	3.9	5.4	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10A	10:10:08	3.3	Middle	2	1	25.55	7.68	31.62	92.9	6.35	3.8	7.1	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10A	10:09:24	3.3	Middle	2	2	25.55	7.68	31.65	92.8	6.35	3.9	6.9	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10A	10:09:59	5.6	Bottom	3	1	25.55	7.68	31.67	92.8	6.34	3.9	8.3	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10A	10:09:17	5.6	Bottom	3	2	25.55	7.68	31.64	92.7	6.34	4	9.8	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10B	10:00:10	1.0	Surface	1	1	25.58	7.68	31.6	93.1	6.37	4	7.6	
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10B	09:59:58	1.0	Surface	1	2	25.58	7.68	31.59	93.2	6.37	4.1	6.3	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-01	Mid-Ebb	Sunny	SR10B	09:59:51	4.5	Bottom	3	1	25.58	7.68	31.58	93.1	6.37	4.4	9	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR5	16:58:58	4.6	Bottom	3	1	25.74	8.29	29.1	126.6	8.76	4		13
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR5	16:58:29	4.6	Bottom	3	2	25.74	8.27	29.09	126.5	8.75	4.4		12.9
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10A	18:03:01	1.0	Surface	1	1	25.66	7.71	31.49	98.5	6.73	6.7		8.9
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10A	18:03:37	1.0	Surface	1	2	25.66	7.72	31.46	99.2	6.78	6.5		9.8
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10A	18:02:55	3.3	Middle	2	1	25.66	7.71	31.53	98.2	6.71	7.4		8
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10A	18:03:31	3.3	Middle	2	2	25.66	7.71	31.5	98.6	6.74	7.1		9.4
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10A	18:02:46	5.6	Bottom	3	1	25.66	7.71	31.54	98.1	6.7	7.5		15
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10A	18:03:21	5.6	Bottom	3	2	25.66	7.71	31.54	98.4	6.72	7.2		15.8
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10B	18:14:07	1.0	Surface	1	1	25.66	7.72	31.48	100.8	6.89	5.5		17.8
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10B	18:14:27	1.0	Surface	1	2	25.66	7.72	31.45	100.8	6.89	5.2		19
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10B	18:14:13	4.5	Bottom	3	1	25.66	7.72	31.51	100.6	6.87	5.8		18.2
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	SR10B	18:13:54	4.5	Bottom	3	2	25.66	7.72	31.49	100.8	6.88	5.8		19
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS2	15:44:58	1.0	Surface	1	1	26.02	8.26	28.85	127.7	8.8	3.1		5.3
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS2	15:44:19	1.0	Surface	1	2	26.02	8.21	28.89	125.8	8.67	3		5.9
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS2	15:44:06	3.5	Middle	2	1	25.94	8.23	28.98	119.6	8.25	3.8		7.9
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS2	15:44:44	3.5	Middle	2	2	25.91	8.24	28.95	123.2	8.5	3.4		7.6
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS2	15:43:56	6.0	Bottom	3	1	25.66	8.22	29.3	114.1	7.89	4.7		8.4
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS2	15:44:34	6.0	Bottom	3	2	25.64	8.22	29.3	113.3	7.8	5		7.8
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS(Mf)5	17:25:42	1.0	Surface	1	1	25.54	7.76	30.83	100.8	6.93	6		7.6
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS(Mf)5	17:26:41	1.0	Surface	1	2	25.54	7.75	30.95	101	6.94	6		8.7
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS(Mf)5	17:26:30	6.8	Middle	2	1	25.55	7.73	31.18	99	6.79	8.2		8
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS(Mf)5	17:25:35	6.8	Middle	2	2	25.55	7.74	31.17	99.2	6.8	8.1		8
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS(Mf)5	17:26:07	12.6	Bottom	3	1	25.55	7.72	31.36	97.9	6.71	11.2		10.1
HKLR	HY/2011/03	2013-11-01	Mid-Flood	Sunny	CS(Mf)5	17:25:14	12.6	Bottom	3	2	25.55	7.72	31.35	97.9	6.7	11.6		8.8
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS5	12:19:49	1.0	Surface	1	1	25	7.83	30.74	99.7	6.92	12		15.8
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS5	12:20:28	1.0	Surface	1	2	25.01	7.83	30.69	99.6	6.92	11.9		16.3
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS5	12:20:17	4.5	Middle	2	1	24.99	7.83	30.78	99.2	6.88	12		17.5
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS5	12:19:24	4.5	Middle	2	2	24.98	7.83	30.84	99	6.86	12		16.7
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS5	12:20:00	8.0	Bottom	3	1	24.98	7.83	30.84	99	6.87	12.2		19.9
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS5	12:19:15	8.0	Bottom	3	2	24.98	7.83	30.85	98.8	6.85	12.1		19.5
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS(Mf)6	12:26:10	1.0	Surface	1	1	24.98	7.84	30.46	105.6	7.34	8		9
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS(Mf)6	12:26:24	1.0	Surface	1	2	24.98	7.84	30.46	106.2	7.38	8		8.4
HKLR	HY/2011/03		Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS(Mf)6	12:25:58	2.3	Bottom	3	1	24.97	7.83	30.49	105.3	7.32	8.3		9.1
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS(Mf)6	12:26:14	2.3	Bottom	3	2	24.97	7.84	30.46	106	7.37	8		10.5
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS7	12:32:42	1.0	Surface	1	1	25.01	7.83	30.37	103.2	7.17	12.3		14.8
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS7	12:32:52	1.0	Surface	1	2	25.01	7.84	30.37	103.3	7.18	12		13.6
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS7	12:32:38	2.6	Bottom	3	1	25.01	7.83	30.37	103.2	7.17	12.3		16.3
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS7	12:32:47	2.6	Bottom	3	2	25.02	7.84	30.37	103.2	7.18	12.2		15
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS8	11:56:21	1.0	Surface	1	1	25.16	7.82	30.87	102.2	7.07	7.7		9.4
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS8	11:56:36	1.0	Surface	1	2	25.17	7.83	30.8	102.8	7.11	7.8		7
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS8	11:56:29	2.6	Bottom	3	1	25.17	7.82	30.83	102.6	7.1	7.7		9.4
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS8	11:56:16	2.6	Bottom	3	2	25.16	7.82	30.91	102.1	7.06	7.8		7.6
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS(Mf)9	12:40:02	1.0	Surface	1	1	25.07	7.84	30.31	104.1	7.24	11.9		12.5
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS(Mf)9	12:39:44	1.0	Surface	1	2	25.06	7.84	30.31	103.9	7.22	11.7		12.1
HKLR	HY/2011/03		Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS(Mf)9	12:39:57	2.4	Bottom	3	1	25.07	7.84	30.31	104	7.23	12.1		13.5
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS(Mf)9	12:39:40	2.4	Bottom	3	2	25.06	7.83	30.32	103.8	7.21	11.9		14.2
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS10	13:17:08	1.0	Surface	1	1	25.1	8.24	30.76	103.7	7.18	6.2		8.5
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS10	13:17:53	1.0	Surface	1	2	25.1	8.25	30.76	103.6	7.18	6.6		8
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS10	13:17:35	5.4	Middle	2	1	25.1	8.24	30.78	103.2	7.14	7.8		10.3
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS10	13:16:54	5.4	Middle	2	2	25.1	8.24	30.78	103.2	7.15	7.6		11.9
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS10	13:16:44	9.8	Bottom	3	1	25.11	8.24	30.78	103.3	7.16	8.3		12.1
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	IS10	13:17:25	9.8	Bottom	3	2	25.1	8.24	30.78	103.3	7.15	8.5		13.4
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR3	12:13:07	0.8	Middle	2	1	24.98	7.83	30.79	101.8	7.06	10.7		14.6

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR3	12:13:09	0.8	Middle	2	2	24.98	7.83	30.8	101.8	7.06	11.1	14.6	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR4	11:52:14	1.0	Surface	1	1	25.12	7.81	30.9	98	6.78	8	7.3	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR4	11:51:57	1.0	Surface	1	2	25.13	7.81	30.94	98	6.78	8	7.8	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR4	11:52:04	2.6	Bottom	3	1	25.13	7.81	30.95	98	6.77	8	7.2	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR4	11:51:48	2.6	Bottom	3	2	25.1	7.81	30.93	98	6.78	7.9	7.1	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR5	13:06:10	1.0	Surface	1	1	25.1	8.2	30.75	103.2	7.15	6.1	9.9	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR5	13:06:27	1.0	Surface	1	2	25.1	8.21	30.76	103.3	7.15	5.9	9.9	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR5	13:06:19	4.5	Bottom	3	1	25.1	8.21	30.77	103.1	7.14	6.3	8.7	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR5	13:05:57	4.5	Bottom	3	2	25.1	8.19	30.78	102.7	7.11	6.6	8.9	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10A	13:40:12	1.0	Surface	1	1	25.35	7.72	31.9	92	6.3	7.7	5.2	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10A	13:39:40	1.0	Surface	1	2	25.35	7.72	31.9	92.6	6.34	7.5	7.1	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10A	13:40:06	3.1	Middle	2	1	25.35	7.72	31.9	91.9	6.29	8	9.8	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10A	13:39:34	3.1	Middle	2	2	25.35	7.72	31.9	92.4	6.33	8.1	7.9	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10A	13:39:51	5.1	Bottom	3	1	25.35	7.72	31.9	91.9	6.29	8.4	9.7	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10A	13:39:24	5.1	Bottom	3	2	25.35	7.72	31.91	92.3	6.32	8.3	9.5	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10B	13:47:12	1.0	Surface	1	1	25.35	7.72	31.89	91.8	6.29	7.7	12.3	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10B	13:47:27	1.0	Surface	1	2	25.35	7.72	31.89	91.9	6.3	7.2	11.6	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10B	13:47:04	3.8	Bottom	3	1	25.35	7.72	31.89	91.8	6.29	7.6	14.2	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	SR10B	13:47:17	3.8	Bottom	3	2	25.35	7.72	31.89	91.7	6.29	7.4	16.2	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS2	11:55:39	1.0	Surface	1	1	25.13	8.2	30.78	103.6	7.17	5.9	10.2	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS2	11:54:40	1.0	Surface	1	2	25.13	8.2	30.8	102.6	7.1	6.2	11.5	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS2	11:54:31	3.6	Middle	2	1	25.12	8.22	30.82	101.8	7.04	6.7	11.2	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS2	11:55:24	3.6	Middle	2	2	25.13	8.22	30.8	102.2	7.07	6.6	10.5	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS2	11:55:14	6.1	Bottom	3	1	25.12	8.21	30.84	101.7	7.04	7.4	11.1	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS2	11:54:10	6.1	Bottom	3	2	25.12	8.22	30.89	99.3	6.87	7.2	10.6	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS(MF)5	13:14:30	1.0	Surface	1	1	25.34	7.78	31.36	100.5	6.91	5.5	4.7	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS(MF)5	13:13:41	1.0	Surface	1	2	25.35	7.76	31.46	97	6.65	5.5	5.7	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS(MF)5	13:13:30	6.5	Middle	2	1	25.37	7.72	31.77	96.1	6.6	5.8	6.4	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS(MF)5	13:14:11	6.5	Middle	2	2	25.37	7.73	31.76	96.1	6.59	5.7	7.2	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS(MF)5	13:14:00	12.0	Bottom	3	1	25.36	7.73	31.81	94.2	6.46	6.1	10.5	
HKLR	HY/2011/03	2013-11-04	Mid-Ebb	Cloudy	CS(MF)5	13:13:17	12.0	Bottom	3	2	25.36	7.73	31.78	94.2	6.46	6	9.2	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS5	07:42:16	1.0	Surface	1	1	25.19	7.79	30.36	100	6.94	8.2	6.3	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS5	07:41:44	1.0	Surface	1	2	25.15	7.79	30.37	100.1	6.95	8.3	6.4	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS5	07:42:00	4.6	Middle	2	1	25.04	7.79	30.39	99.8	6.93	8.7	9.9	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS5	07:41:28	4.6	Middle	2	2	25.03	7.79	30.4	100	6.95	8.9	9.6	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS5	07:41:53	8.1	Bottom	3	1	25.07	7.79	30.39	99.5	6.91	8.8	10.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS5	07:41:21	8.1	Bottom	3	2	25.04	7.79	30.42	100	6.94	9.1	10.5	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS(MF)6	07:33:28	1.0	Surface	1	1	24.98	7.79	30.38	102.1	7.1	14.4	15.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS(MF)6	07:33:52	1.0	Surface	1	2	24.93	7.8	30.37	101.8	7.08	14.2	18	
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS(MF)6	07:33:33	2.5	Bottom	3	1	24.98	7.79	30.38	101.7	7.08	14.3	21.2	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS(MF)6	07:33:24	2.5	Bottom	3	2	24.97	7.79	30.38	102	7.09	14.5	20.4	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS7	07:27:02	1.0	Surface	1	1	25.01	7.79	30.38	101.8	7.08	9.5	14.6	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS7	07:27:19	1.0	Surface	1	2	24.98	7.8	30.36	101.6	7.07	9.4	12.9	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS7	07:27:07	2.4	Bottom	3	1	25.01	7.8	30.39	101.5	7.06	9.4	14.6	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS7	07:26:57	2.4	Bottom	3	2	25.01	7.79	30.38	101.6	7.06	9.5	13.1	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS8	07:04:06	1.0	Surface	1	1	25.18	7.81	30.46	101.2	7.01	9.5	15.9	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS8	07:03:57	1.0	Surface	1	2	25.19	7.8	30.46	101.4	7.02	9.6	13.8	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS8	07:03:50	2.4	Bottom	3	1	25.18	7.8	30.47	101.2	7.01	9.5	14.9	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS8	07:04:01	2.4	Bottom	3	2	25.19	7.81	30.46	101.2	7.01	9.5	15.1	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS(MF)9	07:21:23	1.0	Surface	1	1	25.14	7.81	30.29	102.4	7.11	10.6	16.2	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS(MF)9	07:21:31	1.0	Surface	1	2	25.17	7.81	30.34	102.5	7.11	10.4	16.6	

Water Quarterly 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	Site Observation	
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	1									
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	2									
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS(MF)9	07:21:07	2.4	Bottom	3	1	25.18	7.8	30.37	102.2	7.08	10.8		16.2	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS(MF)9	07:21:27	2.4	Bottom	3	2	25.14	7.81	30.32	102.4	7.1	10.9		18.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS10	07:25:11	1.0	Surface	1	1	25.06	8.24	30.62	101.8	7.06	9.2		16.6	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS10	07:24:35	1.0	Surface	1	2	25.08	8.23	30.64	101.6	7.04	9.4		17.3	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS10	07:24:54	5.6	Middle	2	1	25.08	8.24	30.66	101.4	7.03	9.3		14.7	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS10	07:24:22	5.6	Middle	2	2	25.09	8.23	30.66	101.2	7.01	9		15.7	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS10	07:24:46	10.2	Bottom	3	1	25.09	8.23	30.68	101.4	7.03	9.2		18.7	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	IS10	07:24:14	10.2	Bottom	3	2	25.08	8.22	30.66	101.1	7.01	9.3		19.2	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1									
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2									
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR3	07:49:35	0.8	Middle	2	1	25.2	7.79	30.37	99.1	6.87	7.7		12.1	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR3	07:49:38	0.8	Middle	2	2	25.2	7.79	30.37	99.1	6.87	8		11.4	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1									
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2									
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR4	07:09:59	1.0	Surface	1	1	25.13	7.78	30.55	100.1	6.93	8		6	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR4	07:09:45	1.0	Surface	1	2	25.12	7.78	30.51	100.4	6.96	7.5		5.3	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1									
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2									
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR4	07:09:52	2.3	Bottom	3	1	25.13	7.78	30.65	99.9	6.92	8.1		7.3	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR4	07:09:37	2.3	Bottom	3	2	25.12	7.78	30.59	100.2	6.95	7.9		6.2	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR5	07:35:19	1.0	Surface	1	1	25.07	8.25	30.63	101.2	7.02	9.9		17.4	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR5	07:35:50	1.0	Surface	1	2	25.07	8.25	30.63	100.4	6.96	10.4		17.8	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1									
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2									
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR5	07:35:37	4.5	Bottom	3	1	25.08	8.25	30.65	100.4	6.96	10.1		16.7	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR5	07:35:04	4.5	Bottom	3	2	25.08	8.25	30.64	100.9	7	9.7		16	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10A	06:05:58	1.0	Surface	1	1	25.37	7.68	31.55	92.4	6.34	8.5		10.4	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10A	06:05:31	1.0	Surface	1	2	25.37	7.68	31.54	92.5	6.35	8.6		11.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10A	06:05:20	3.4	Middle	2	1	25.37	7.68	31.55	92.5	6.35	8.7		10.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10A	06:05:49	3.4	Middle	2	2	25.37	7.68	31.56	92.2	6.33	8.5		11.4	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10A	06:05:42	5.7	Bottom	3	1	25.37	7.68	31.56	92.2	6.33	8.8		10.7	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10A	06:05:13	5.7	Bottom	3	2	25.38	7.68	31.55	92.4	6.34	8.9		11.9	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10B	06:00:31	1.0	Surface	1	1	25.34	7.61	31.52	92.7	6.37	14.9		21.4	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10B	06:01:05	1.0	Surface	1	2	25.36	7.64	31.57	92	6.32	14.9		19.5	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1									
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2									
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10B	06:00:38	3.6	Bottom	3	1	25.37	7.62	31.53	92.1	6.32	15.7		21.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	SR10B	06:00:08	3.6	Bottom	3	2	25.36	7.5	31.39	96.2	6.61	15.7		23.6	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS2	08:47:02	1.0	Surface	1	1	25.1	8.25	30.92	101.6	7.03	13.3		26.1	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS2	08:46:08	1.0	Surface	1	2	25.1	8.25	30.92	101.5	7.02	13.6		27.4	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS2	08:46:40	3.7	Middle	2	1	25.11	8.25	30.9	101.2	7	14.2		27.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS2	08:45:53	3.7	Middle	2	2	25.11	8.25	30.91	101.2	7	14.6		29.1	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS2	08:45:40	6.3	Bottom	3	1	25.11	8.25	30.91	101.1	6.99	15.5		28	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS2	08:46:28	6.3	Bottom	3	2	25.12	8.25	30.9	101.1	7	15.2		26.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS(MF)5	06:33:50	1.0	Surface	1	1	25.29	7.79	31.06	96.7	6.67	8.7		6.8	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS(MF)5	06:34:28	1.0	Surface	1	2	25.3	7.79	31.07	96.6	6.65	9.2		8.1	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS(MF)5	06:34:15	6.8	Middle	2	1	25.39	7.78	31.31	96.3	6.62	9.4		5.9	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS(MF)5	06:33:35	6.8	Middle	2	2	25.39	7.78	31.3	96.6	6.64	9		7.9	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS(MF)5	06:33:27	12.6	Bottom	3	1	25.37	7.78	31.28	96	6.6	9.1		7.1	
HKLR	HY/2011/03	2013-11-04	Mid-Flood	Cloudy	CS(MF)5	06:34:04	12.6	Bottom	3	2	25.38	7.78	31.29	95.7	6.57	9.4		6	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS5	13:38:42	1.0	Surface	1	1	24.75	7.8	31.45	90.4	6.27	16		14.4	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS5	13:38:01	1.0	Surface	1	2	24.75	7.8	31.46	90.3	6.27	16.5		14.9	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS5	13:37:50	4.7	Middle	2	1	24.74	7.8	31.47	90.1	6.25	16.9		13	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS5	13:38:26	4.7	Middle	2	2	24.73	7.8	31.46	90	6.25	19		14.6	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS5	13:37:35	8.3	Bottom	3	1	24.74	7.79	31.48	90	6.25	16.7		14.4	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS5	13:38:16	8.3	Bottom	3	2	24.74	7.8	31.46	90.1	6.25	17		14.5	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS(MF)6	13:44:48	1.0	Surface	1	1	25.06	7.78	31.41	92.7	6.4	18.6		7.4	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS(MF)6	13:45:06	1.0	Surface	1	2	25.05	7.79	31.42	92.7	6.4	18.8		5.6	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1									
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2									
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS(MF)6	13:44:57	2.3	Bottom	3	1	24.97	7.79	31.39	92.5	6.39	21.2		13	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS(MF)6	13:44:39	2.3	Bottom	3	2	24.96	7.78	31.39	92.7	6.41	20.1		13	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS7	13:51:24	1.0	Surface	1	1	24.9	7.78	31.27	92.9	6.44	11.6		10	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS7	13:51:42	1.0	Surface	1	2	24.84	7.79	31.28	92.6	6.42	11.6	7.8	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS7	13:51:37	2.5	Bottom	3	1	24.83	7.79	31.29	92.7	6.43	12	8.7	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS7	13:51:16	2.5	Bottom	3	2	24.83	7.78	31.29	92.8	6.44	11.8	8.6	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS8	14:19:46	1.0	Surface	1	1	24.97	7.8	32.02	89.5	6.17	11.2	9.7	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS8	14:19:27	1.0	Surface	1	2	24.98	7.8	32.03	89.8	6.19	11.1	7.9	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS8	14:19:38	2.6	Bottom	3	1	24.97	7.8	32.03	89.4	6.16	11.2	8.3	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS8	14:19:20	2.6	Bottom	3	2	24.99	7.8	32.04	89.8	6.18	11.2	10	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS(MF)9	13:59:08	1.0	Surface	1	1	25.19	7.8	31.24	94.4	6.51	11.1	8.4	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS(MF)9	13:58:49	1.0	Surface	1	2	25.09	7.79	31.25	94.4	6.52	11	6.1	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS(MF)9	13:58:58	2.5	Bottom	3	1	24.94	7.79	31.36	94	6.51	11.4	10.8	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS(MF)9	13:58:40	2.5	Bottom	3	2	25.01	7.78	31.34	94	6.5	11	12.8	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS10	15:13:27	1.0	Surface	1	1	25.39	8.18	31.25	94.5	6.5	5.5	7.7	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS10	15:12:20	1.0	Surface	1	2	25.37	8.17	31.18	94.3	6.49	5.3	7	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS10	15:13:07	5.3	Middle	2	1	25.1	8.19	31.65	93.9	6.47	5.8	6.7	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS10	15:11:59	5.3	Middle	2	2	25.09	8.18	31.65	93.7	6.45	6	6.3	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS10	15:12:46	9.6	Bottom	3	1	24.93	8.18	31.72	93.1	6.43	7.6	7.1	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	IS10	15:11:37	9.6	Bottom	3	2	24.96	8.17	31.7	93.1	6.43	7.5	7.7	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR3	13:23:19	0.9	Middle	2	1	24.82	7.77	31.51	92.1	6.38	12.8	9.5	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR3	13:23:27	0.9	Middle	2	2	24.81	7.78	31.51	92	6.38	12.9	8.2	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR4	14:10:45	1.0	Surface	1	1	25.09	7.78	31.95	91.1	6.27	9.7	11	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR4	14:11:07	1.0	Surface	1	2	25.15	7.79	31.89	91.2	6.27	9.3	12	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR4	14:10:35	2.7	Bottom	3	1	25.07	7.77	32.01	91.1	6.27	9.7	11.8	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR4	14:10:57	2.7	Bottom	3	2	25.11	7.78	31.98	90.8	6.25	10	12.4	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR5	14:58:30	1.0	Surface	1	1	25.42	8.08	31.13	92.3	6.34	5.1	9.1	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR5	14:57:44	1.0	Surface	1	2	25.4	8.08	31.14	92	6.33	5.2	10.7	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR5	14:58:08	4.3	Bottom	3	1	25.26	8.08	31.51	92.4	6.36	4.9	10.5	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR5	14:57:23	4.3	Bottom	3	2	25.23	8.07	31.52	91.8	6.31	4.8	10.8	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10A	15:25:45	1.0	Surface	1	1	25.16	7.75	32.08	86.8	5.96	10.7	6.9	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10A	15:26:25	1.0	Surface	1	2	25.17	7.75	32.06	86.8	5.96	9.7	6.4	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10A	15:26:15	3.3	Middle	2	1	25.15	7.75	32.09	86.6	5.94	10	12.8	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10A	15:25:34	3.3	Middle	2	2	25.15	7.75	32.09	86.6	5.95	11.2	12.7	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10A	15:26:01	5.5	Bottom	3	1	25.16	7.75	32.08	86.6	5.95	10.1	13.2	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10A	15:25:16	5.5	Bottom	3	2	25.15	7.74	32.1	86.5	5.94	12.1	12.9	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10B	15:37:06	1.0	Surface	1	1	25.15	7.75	32.08	86.8	5.96	10.1	11.8	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10B	15:37:27	1.0	Surface	1	2	25.16	7.75	32.07	86.9	5.97	11	13.5	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10B	15:37:18	4.4	Bottom	3	1	25.16	7.75	32.07	86.6	5.95	11	14.4	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	SR10B	15:36:56	4.4	Bottom	3	2	25.15	7.75	32.08	86.7	5.95	10.3	12.1	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS2	13:52:21	1.0	Surface	1	1	25.13	8.02	31.45	92.7	6.39	6.8	9.8	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS2	13:53:32	1.0	Surface	1	2	25.11	8.03	31.44	92.6	6.39	6.6	9.1	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS2	13:51:57	4.0	Middle	2	1	25.15	8	31.56	92.1	6.34	7.3	9.8	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS2	13:53:13	4.0	Middle	2	2	25.14	8.01	31.57	92.8	6.39	7.5	9.6	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS2	13:52:49	7.0	Bottom	3	1	25.03	8.01	31.72	92	6.35	8.1	10.6	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS2	13:51:34	7.0	Bottom	3	2	25.02	7.99	31.71	91.4	6.3	7.8	9.1	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS(MF)5	14:58:12	1.0	Surface	1	1	25.32	7.79	31.85	91.7	6.29	5.3	7.1	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS(MF)5	14:57:25	1.0	Surface	1	2	25.33	7.79	31.84	92.3	6.33	5.2	6.3	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS(MF)5	14:57:59	6.6	Middle	2	1	25.28	7.78	31.91	90.3	6.19	5.6	6.1	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS(MF)5	14:57:06	6.6	Middle	2	2	25.27	7.78	31.91	90.6	6.21	5.7	6.2	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS(MF)5	14:56:50	12.1	Bottom	3	1	25.24	7.78	31.9	91.1	6.25	5.7	6.4	
HKLR	HY/2011/03	2013-11-06	Mid-Ebb	Cloudy	CS(MF)5	14:57:44	12.1	Bottom	3	2	25.15	7.78	31.93	90.2	6.2	5.7	7.4	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS5	09:59:32	1.0	Surface	1	1	24.75	7.79	31.16	90.6	6.3	11.6	9.6	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS5	09:58:55	1.0	Surface	1	2	24.73	7.78	31.17	90.6	6.3	12.5	10.9	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS5	09:58:42	4.8	Middle	2	1	24.67	7.78	31.2	90.1	6.27	13.3	12.3	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS5	09:59:16	4.8	Middle	2	2	24.67	7.79	31.21	90	6.27	13.1	11.9	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS5	09:58:25	8.5	Bottom	3	1	24.68	7.78	31.21	90.4	6.29	13	11	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS5	09:59:08	8.5	Bottom	3	2	24.68	7.78	31.22	90.4	6.29	12.8	11.5	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS(MF)6	09:50:56	1.0	Surface	1	1	24.74	7.77	31.08	91.9	6.39	11.8	9.7	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS(MF)6	09:51:13	1.0	Surface	1	2	24.74	7.78	31.09	91.9	6.39	11.5	8.3	
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS(MF)6	09:50:46	2.3	Bottom	3	1	24.73	7.77	31.16	91.9	6.39	13.5	9.8	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS(MF)6	09:51:03	2.3	Bottom	3	2	24.73	7.77	31.15	91.8	6.39	12.5	9.2	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS7	09:44:26	1.0	Surface	1	1	24.72	7.77	31.09	91.1	6.34	14.8	13.2	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS7	09:44:03	1.0	Surface	1	2	24.71	7.75	31.12	90.8	6.32	16.2	13.9	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS7	09:44:13	2.4	Bottom	3	1	24.7	7.76	31.19	90.7	6.31	16.8	13.7	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS7	09:43:55	2.4	Bottom	3	2	24.71	7.74	31.21	90.8	6.32	17.9	14.4	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS8	09:23:46	1.0	Surface	1	1	24.82	7.76	31.36	92.3	6.4	11.2	9.5	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS8	09:23:30	1.0	Surface	1	2	24.82	7.76	31.37	92.3	6.4	11.3	9.6	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS8	09:23:38	2.7	Bottom	3	1	24.81	7.76	31.45	92.3	6.4	12.9	10.8	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS8	09:23:21	2.7	Bottom	3	2	24.81	7.75	31.46	92.5	6.41	12.6	8.9	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS(MF)9	09:38:19	1.0	Surface	1	1	24.83	7.75	31.19	91.6	6.36	15.9	12.8	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS(MF)9	09:38:01	1.0	Surface	1	2	24.83	7.74	31.2	91.6	6.36	15.4	12.8	
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS(MF)9	09:38:09	2.4	Bottom	3	1	24.83	7.74	31.22	91.6	6.36	15	15	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS(MF)9	09:37:52	2.4	Bottom	3	2	24.83	7.73	31.22	91.7	6.37	15.3	16.8	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS10	09:18:32	1.0	Surface	1	1	24.77	8.18	31.58	92.4	6.41	17	27	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS10	09:19:58	1.0	Surface	1	2	24.76	8.18	31.6	92.4	6.41	16.8	25.1	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS10	09:18:15	5.4	Middle	2	1	24.73	8.17	31.62	91	6.31	18.9	28.6	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS10	09:19:28	5.4	Middle	2	2	24.74	8.18	31.61	90.9	6.31	19.3	29.3	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS10	09:19:05	9.8	Bottom	3	1	24.74	8.18	31.63	90.6	6.28	20.6	29	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	IS10	09:17:57	9.8	Bottom	3	2	24.74	8.17	31.63	90.8	6.29	20.2	30.6	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR3	10:09:14	0.9	Middle	2	1	24.73	7.77	31.16	93	6.47	13.2	11.6	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR3	10:09:22	0.9	Middle	2	2	24.73	7.78	31.17	92.3	6.42	14.2	13.7	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR4	09:29:31	1.0	Surface	1	1	24.82	7.78	31.38	92.1	6.39	11.4	8.6	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR4	09:29:12	1.0	Surface	1	2	24.82	7.78	31.39	91.9	6.37	11.6	9.2	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR4	09:29:04	2.5	Bottom	3	1	24.82	7.78	31.46	91.7	6.36	13	9.1	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR4	09:29:22	2.5	Bottom	3	2	24.81	7.78	31.47	92	6.38	12.7	8.6	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR5	09:30:12	1.0	Surface	1	1	24.75	8.19	31.57	92.5	6.41	18.9	28.6	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR5	09:29:27	1.0	Surface	1	2	24.75	8.19	31.57	92.5	6.42	18.8	30	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR5	09:29:52	4.4	Bottom	3	1	24.75	8.19	31.58	92.4	6.41	19.1	28.5	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR5	09:29:06	4.4	Bottom	3	2	24.75	8.19	31.57	92.5	6.41	19	30.2	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10A	08:22:02	1.0	Surface	1	1	25.08	7.73	31.9	87.5	6.02	16.2	13.5	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10A	08:21:30	1.0	Surface	1	2	25.08	7.72	31.9	87.5	6.03	14.7	13.8	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10A	08:21:17	3.4	Middle	2	1	25.09	7.72	31.91	87.4	6.01	16.2	12.2	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10A	08:21:52	3.4	Middle	2	2	25.08	7.73	31.9	87.3	6.01	17.2	12	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10A	08:21:43	5.7	Bottom	3	1	25.08	7.73	31.91	87.3	6.01	16.4	12.2	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10A	08:21:06	5.7	Bottom	3	2	25.09	7.72	31.92	87.4	6.02	16.6	11.6	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10B	08:12:13	1.0	Surface	1	1	25.09	7.69	32.01	86.9	5.98	15.9	20.7	
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10B	08:12:32	1.0	Surface	1	2	25.09	7.7	32	86.8	5.97	16	20.2	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-06	Mid-Flood	Cloudy	SR10B	08:12:03	4.4	Bottom	3	1	25.09	7.69	32.01	86.9	5.97	15.7	19.7	

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	Site Observation
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SRS	17:16:23	4.6	Bottom	3	1	25.07	7.88	30.12	101.4	6.97	9.6	5.8	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SRS	17:15:32	4.6	Bottom	3	2	25.04	7.88	30.19	100.1	6.88	10	5.2	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10A	16:51:37	1.0	Surface	1	1	25.19	7.77	31.41	87.1	6	5	6.3	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10A	16:52:02	1.0	Surface	1	2	25.16	7.77	31.47	86	5.92	5.2	7.8	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10A	16:51:55	3.1	Middle	2	1	25.11	7.76	31.61	85.4	5.88	5.5	5.4	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10A	16:51:26	3.1	Middle	2	2	25.18	7.77	31.46	86.9	5.99	5.5	7.3	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10A	16:51:19	5.1	Bottom	3	1	25.18	7.77	31.46	86.7	5.98	5.6	8.3	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10A	16:51:49	5.1	Bottom	3	2	25.13	7.77	31.59	85.4	5.89	5.6	6.1	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10B	17:01:20	1.0	Surface	1	1	25.14	7.77	31.5	85.3	5.88	5	5.8	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10B	17:01:03	1.0	Surface	1	2	25.15	7.77	31.5	85.9	5.92	5	5.1	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10B	17:00:57	4.0	Bottom	3	1	25.15	7.77	31.52	85.6	5.9	5.3	5.5	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	SR10B	17:01:13	4.0	Bottom	3	2	25.14	7.77	31.56	85.2	5.87	5.2	5.4	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS2	16:08:21	1.0	Surface	1	1	25.28	7.93	29.55	107.3	7.37	5.9	5.1	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS2	16:07:18	1.0	Surface	1	2	25.25	7.95	29.65	104.9	7.21	5.7	5.4	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS2	16:06:51	3.5	Middle	2	1	25.05	7.96	30.03	99.6	6.85	7	5.8	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS2	16:08:00	3.5	Middle	2	2	25.03	7.95	29.93	101.4	6.98	6.7	5.5	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS2	16:06:33	5.9	Bottom	3	1	24.95	7.97	30.37	96.8	6.66	7.8	5.5	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS2	16:07:33	5.9	Bottom	3	2	24.96	7.97	30.17	102.6	7.07	8	5.3	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS(Mf)5	16:26:16	1.0	Surface	1	1	25.26	7.78	31.38	84.7	5.83	6.7	6.2	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS(Mf)5	16:25:05	1.0	Surface	1	2	25.25	7.78	31.32	85	5.85	6.6	6.5	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS(Mf)5	16:26:05	6.6	Middle	2	1	25.07	7.78	31.51	83.6	5.77	7	7.2	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS(Mf)5	16:24:55	6.6	Middle	2	2	25.08	7.77	31.57	84.3	5.81	7	6.5	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS(Mf)5	16:24:48	12.2	Bottom	3	1	25.09	7.77	31.64	84	5.79	7.5	6.7	
HKLR	HY/2011/03	2013-11-08	Mid-Ebb	Fine	CS(Mf)5	16:25:48	12.2	Bottom	3	2	25.08	7.77	31.7	83.1	5.73	7.3	6.8	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS5	12:09:56	1.0	Surface	1	1	25.01	7.79	31.48	90.2	6.23	12.3	13	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS5	12:10:35	1.0	Surface	1	2	25.13	7.79	31.48	90.4	6.23	12	14.7	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS5	12:09:48	4.5	Middle	2	1	24.92	7.79	31.47	90.2	6.23	12.3	14.4	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS5	12:10:23	4.5	Middle	2	2	24.92	7.79	31.47	89.8	6.21	12.7	14.7	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS5	12:10:07	8.0	Bottom	3	1	24.92	7.79	31.45	89.7	6.21	13.1	14.5	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS5	12:09:43	8.0	Bottom	3	2	25.03	7.79	31.44	89.9	6.22	13.1	13.5	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS(Mf)6	12:01:49	1.0	Surface	1	1	25.21	7.8	31.43	93.6	6.45	15.3	10.4	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS(Mf)6	12:01:57	1.0	Surface	1	2	25.2	7.8	31.42	92.9	6.39	15.3	10.2	
HKLR	HY/2011/03		Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS(Mf)6	12:01:53	2.4	Bottom	3	1	25.22	7.8	31.42	92.7	6.39	15.1	11.4	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS(Mf)6	12:01:41	2.4	Bottom	3	2	25.2	7.8	31.42	93	6.41	15.8	11.2	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS7	11:56:15	1.0	Surface	1	1	25.16	7.8	31.41	91.8	6.33	15.5	13.2	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS7	11:55:50	1.0	Surface	1	2	25.08	7.79	31.42	91.6	6.33	15.3	12.7	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS7	11:55:43	2.3	Bottom	3	1	25.08	7.79	31.41	91.3	6.3	15.7	11.2	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS7	11:55:53	2.3	Bottom	3	2	25.09	7.79	31.41	91.2	6.29	15.9	12.3	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS8	11:34:20	1.0	Surface	1	1	24.92	7.8	31.42	91.6	6.34	8.5	8.7	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS8	11:34:12	1.0	Surface	1	2	24.92	7.8	31.42	92.2	6.38	8.3	7.1	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS8	11:34:16	2.3	Bottom	3	1	24.93	7.8	31.41	91.5	6.33	8.4	8.2	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS8	11:34:09	2.3	Bottom	3	2	24.94	7.8	31.41	91.8	6.36	8.3	7.8	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS(Mf)9	11:50:20	1.0	Surface	1	1	25.01	7.81	31.49	92.9	6.42	11.1	9.2	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS(Mf)9	11:50:07	1.0	Surface	1	2	24.99	7.81	31.49	93.3	6.45	11.6	7.8	
HKLR	HY/2011/03		Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS(Mf)9	11:50:02	2.3	Bottom	3	1	25	7.81	31.48	93	6.43	11.9	9.8	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS(Mf)9	11:50:12	2.3	Bottom	3	2	25.01	7.81	31.48	92.6	6.4	11.4	9.8	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS10	11:16:30	1.0	Surface	1	1	24.8	7.85	30.33	96.6	6.66	12.2	13.6	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS10	11:15:36	1.0	Surface	1	2	24.81	7.85	30.35	96.3	6.64	12.6	14.8	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS10	11:15:21	5.2	Middle	2	1	24.84	7.84	30.7	95.2	6.55	13.1	15.4	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS10	11:16:14	5.2	Middle	2	2	24.85	7.84	30.75	95	6.53	12.9	13.9	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS10	11:15:57	9.4	Bottom	3	1	24.86	7.84	30.95	95.3	6.54	13.2	14.8	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	IS10	11:15:00	9.4	Bottom	3	2	24.86	7.83	30.95	95.3	6.54	13.5	14.7	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR3	12:17:22	0.8	Middle	2	1	25.07	7.79	31.46	91.5	6.31	13.1	12.5	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR3	12:17:19	0.8	Middle	2	2	25.07	7.79	31.46	91.6	6.33	13.4	12.6	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR4	11:40:35	1.0	Surface	1	1	25.03	7.79	31.38	91.2	6.3	10.6	14	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR4	11:40:26	1.0	Surface	1	2	25.06	7.79	31.38	91.7	6.33	10.7	12.5	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR4	11:40:30	2.6	Bottom	3	1	25.03	7.79	31.38	91	6.29	10.7	12.6	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR4	11:40:18	2.6	Bottom	3	2	25.08	7.79	31.4	91.3	6.31	10.7	13.6	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR5	11:25:26	1.0	Surface	1	1	24.81	7.85	30.32	97.1	6.7	8.5	15.5	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR5	11:24:47	1.0	Surface	1	2	24.81	7.85	30.32	96.9	6.68	8.9	16.5	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR5	11:25:06	4.5	Bottom	3	1	24.82	7.85	30.55	96.6	6.65	8.6	15.2	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR5	11:24:30	4.5	Bottom	3	2	24.82	7.85	30.57	96.8	6.66	8.5	16.5	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10A	10:12:07	1.0	Surface	1	1	25.12	7.77	31.8	86.9	5.99	8.8	11.6	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10A	10:12:29	1.0	Surface	1	2	25.1	7.77	31.82	86.5	5.96	9.3	12.1	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10A	10:12:23	3.1	Middle	2	1	25.09	7.77	31.85	86.4	5.95	9.6	11.6	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10A	10:11:57	3.1	Middle	2	2	25.09	7.77	31.85	86.8	5.98	9.3	11.3	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10A	10:12:18	5.1	Bottom	3	1	25.09	7.77	31.84	86.4	5.95	9.6	11.1	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10A	10:11:47	5.1	Bottom	3	2	25.09	7.76	31.86	86.7	5.97	9.7	10.1	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10B	10:07:10	1.0	Surface	1	1	25.04	7.76	32.18	86.4	5.95	10.8	15.4	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10B	10:06:53	1.0	Surface	1	2	25.05	7.75	32.22	86.5	5.95	10.9	16.7	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10B	10:06:40	3.4	Bottom	3	1	25.05	7.75	32.23	86.2	5.92	11	18.4	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	SR10B	10:06:57	3.4	Bottom	3	2	25.05	7.75	32.21	86.1	5.92	11	20.1	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS2	12:41:04	1.0	Surface	1	1	24.82	7.84	29.55	97.1	6.73	6.9	8.1	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS2	12:42:05	1.0	Surface	1	2	24.82	7.84	29.52	97.4	6.75	6.6	7.7	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS2	12:41:43	3.4	Middle	2	1	24.83	7.84	29.75	96.7	6.69	8.6	7.7	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS2	12:40:49	3.4	Middle	2	2	24.83	7.84	29.67	96.8	6.7	8.9	8	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS2	12:40:34	5.8	Bottom	3	1	24.83	7.84	30.09	96.8	6.68	9.2	6.1	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS2	12:41:24	5.8	Bottom	3	2	24.83	7.84	30.01	96.8	6.69	8.9	6.9	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS(MF)5	10:43:11	1.0	Surface	1	1	25.11	7.8	31.47	88.4	6.1	6.1	5.2	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS(MF)5	10:44:20	1.0	Surface	1	2	25.17	7.8	31.43	90.1	6.21	6	6.9	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS(MF)5	10:43:01	6.5	Middle	2	1	25	7.79	31.5	87.7	6.06	6.5	6.9	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS(MF)5	10:43:48	6.5	Middle	2	2	25	7.8	31.49	87.6	6.06	6.4	6.7	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS(MF)5	10:43:37	12	Bottom	3	1	25	7.8	31.5	87.5	6.04	6.7	6.7	
HKLR	HY/2011/03	2013-11-08	Mid-Flood	Fine	CS(MF)5	10:42:52	12	Bottom	3	2	25	7.79	31.5	87.7	6.06	6.6	6.3	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS5	07:54:49	1.0	Surface	1	1	24.83	7.76	30.88	91.4	6.36	9.7	12.8	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS5	07:55:26	1.0	Surface	1	2	24.83	7.76	30.87	91.3	6.35	10.1	12.5	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS5	07:54:40	4.2	Middle	2	1	24.84	7.76	30.89	91.2	6.34	9.6	11.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS5	07:55:15	4.2	Middle	2	2	24.84	7.76	30.89	91	6.32	10.1	12.2	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS5	07:55:07	7.4	Bottom	3	1	24.84	7.76	30.9	91	6.33	10.1	11.2	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS5	07:54:29	7.4	Bottom	3	2	24.84	7.76	30.9	91.3	6.35	9.8	11.6	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS(MF)6	07:47:09	1.0	Surface	1	1	24.7	7.78	30.58	94.2	6.58	24.1	26.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS(MF)6	07:46:50	1.0	Surface	1	2	24.7	7.78	30.57	94.3	6.58	24.2	25.5	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS(MF)6	07:46:39	2.1	Bottom	3	1	24.69	7.78	30.57	94.3	6.58	24.5	28.1	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS(MF)6	07:46:58	2.1	Bottom	3	2	24.69	7.78	30.58	94.3	6.58	24.3	30.2	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS7	07:40:46	1.0	Surface	1	1	24.72	7.78	30.64	94.3	6.58	13.9	14.3	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS7	07:40:30	1.0	Surface	1	2	24.72	7.78	30.64	94.3	6.58	13.3	16.2	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS7	07:40:38	2.0	Bottom	3	1	24.72	7.78	30.64	94.2	6.57	13.3	16.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS7	07:40:19	2.0	Bottom	3	2	24.72	7.78	30.64	94.2	6.57	13.8	15.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS8	07:17:49	1.0	Surface	1	1	24.76	7.78	30.6	92.5	6.45	11.5	13.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS8	07:17:26	1.0	Surface	1	2	24.76	7.77	30.6	92.6	6.46	11.3	13.4	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS8	07:17:14	3.0	Bottom	3	1	24.76	7.77	30.6	92.6	6.46	11.2	12.5	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS8	07:17:38	3.0	Bottom	3	2	24.76	7.77	30.6	92.5	6.45	11.5	13	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS(MF)9	07:34:22	1.0	Surface	1	1	24.75	7.78	30.64	93.8	6.54	17.3	15.3	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS(MF)9	07:34:42	1.0	Surface	1	2	24.74	7.78	30.64	93.6	6.53	17.8	16.6	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS(MF)9	07:34:30	2.6	Bottom	3	1	24.74	7.78	30.65	93.6	6.53	17.5	16.4	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS(MF)9	07:34:12	2.6	Bottom	3	2	24.74	7.78	30.64	93.8	6.54	17.5	17.4	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS10	06:59:07	1.0	Surface	1	1	24.94	8.13	30.19	94.4	6.57	3.8	7.8	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS10	06:58:21	1.0	Surface	1	2	24.94	8.13	30.19	94.4	6.58	4	6.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS10	06:57:55	4.8	Middle	2	1	24.92	8.13	30.23	94	6.55	5.3	5.5	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS10	06:58:46	4.8	Middle	2	2	24.92	8.13	30.23	94	6.55	5.5	6.2	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS10	06:57:44	8.6	Bottom	3	1	24.92	8.13	30.26	94	6.55	5.8	8	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	IS10	06:58:31	8.6	Bottom	3	2	24.93	8.13	30.22	94.1	6.56	6	6.5	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR3	08:03:06	0.7	Middle	2	1	24.83	7.76	30.88	91.5	6.36	9.8	14.1	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR3	08:03:14	0.7	Middle	2	2	24.84	7.76	30.88	91.5	6.36	9.7	12.1	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR4	07:24:13	1.0	Surface	1	1	24.66	7.71	30.24	88.2	6.17	7.7	9.3	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR4	07:23:56	1.0	Surface	1	2	24.66	7.71	30.25	88.4	6.19	7.9	9	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR4	07:24:05	2.7	Bottom	3	1	24.66	7.71	30.25	88.3	6.18	7.9	11	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR4	07:23:48	2.7	Bottom	3	2	24.65	7.71	30.25	88.6	6.2	7.8	11	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR5	07:18:08	1.0	Surface	1	1	24.93	8.13	30.19	94.2	6.56	5.5	8.5	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR5	07:17:47	1.0	Surface	1	2	24.93	8.13	30.2	94.2	6.57	5.1	7.4	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR5	07:17:39	4.4	Bottom	3	1	24.93	8.13	30.21	94.1	6.56	6.2	10.6	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR5	07:17:55	4.4	Bottom	3	2	24.93	8.13	30.2	94.1	6.55	6	10.7	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10A	06:08:42	1.0	Surface	1	1	25.03	7.7	31.6	85.1	5.87	4.1	5.3	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10A	06:08:12	1.0	Surface	1	2	25.02	7.7	31.58	85.2	5.88	4.2	5.6	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10A	06:08:30	3.2	Middle	2	1	25.02	7.7	31.59	85.1	5.87	4.2	6	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10A	06:08:03	3.2	Middle	2	2	25.03	7.69	31.58	85	5.87	4.2	5.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10A	06:08:21	5.4	Bottom	3	1	25.02	7.69	31.59	85.1	5.88	4.1	6.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10A	06:07:52	5.4	Bottom	3	2	25.04	7.69	31.6	85	5.87	4.2	6.5	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10B	06:02:09	1.0	Surface	1	1	25.02	7.65	31.47	85	5.87	5.5	6	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10B	06:02:30	1.0	Surface	1	2	25.03	7.66	31.49	85	5.87	5.6	6.3	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10B	06:02:20	4.0	Bottom	3	1	25.02	7.65	31.48	84.8	5.86	5.5	7.4	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	SR10B	06:01:58	4.0	Bottom	3	2	25.02	7.64	31.46	85	5.87	5.6	7	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS2	08:31:37	1.0	Surface	1	1	24.93	8.13	30.16	94.4	6.58	3.3	6.7	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS2	08:31:00	1.0	Surface	1	2	24.93	8.13	30.16	94.4	6.58	3.3	8.3	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS2	08:30:43	3.2	Middle	2	1	24.93	8.13	30.18	94	6.55	3.2	6.4	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS2	08:31:24	3.2	Middle	2	2	24.93	8.13	30.16	94.3	6.57	3.5	5.8	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS2	08:30:37	5.3	Bottom	3	1	24.93	8.13	30.2	94.1	6.56	5.3	6.5	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS2	08:31:08	5.3	Bottom	3	2	24.93	8.13	30.18	94.3	6.57	5.4	6.3	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS(MF)5	06:45:55	1.0	Surface	1	1	24.92	7.76	30.78	88.8	6.17	4.2	8.2	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS(MF)5	06:45:11	1.0	Surface	1	2	24.92	7.76	30.81	88.7	6.16	4	7.6	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS(MF)5	06:45:02	6.3	Middle	2	1	24.98	7.75	31.08	88.3	6.12	4.1	7.1	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS(MF)5	06:45:42	6.3	Middle	2	2	24.99	7.75	31.12	88	6.09	4.3	5.2	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS(MF)5	06:44:49	11.5	Bottom	3	1	24.98	7.75	31.16	88.9	6.15	4.2	11.9	
HKLR	HY/2011/03	2013-11-11	Mid-Ebb	Fine	CS(MF)5	06:45:30	11.5	Bottom	3	2	24.99	7.75	31.25	88.4	6.12	4.3	13	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS5	13:40:32	1.0	Surface	1	1	24.81	7.76	31.12	94	6.53	18.4	20.2	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS5	13:41:02	1.0	Surface	1	2	24.81	7.76	31.11	93.9	6.52	18.2	22.3	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS5	13:40:51	4.4	Middle	2	1	24.81	7.76	31.12	93.6	6.5	18.8	19.3	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS5	13:40:21	4.4	Middle	2	2	24.81	7.76	31.13	93.6	6.5	18.8	21.5	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS5	13:40:08	7.7	Bottom	3	1	24.81	7.76	31.13	93.6	6.5	18.4	20.7	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS5	13:40:42	7.7	Bottom	3	2	24.81	7.76	31.12	93.6	6.5	19.3	23.2	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS(MF)6	13:47:14	1.0	Surface	1	1	24.85	7.77	31.04	94.7	6.57	23.8	30.7	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS(MF)6	13:47:01	1.0	Surface	1	2	24.85	7.77	31.03	94.7	6.58	23.6	29.5	
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS(MF)6	13:46:51	2.0	Bottom	3	1	24.85	7.77	31.03	94.8	6.58	23.5	32.9	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS(MF)6	13:47:08	2.0	Bottom	3	2	24.85	7.77	31.03	94.7	6.58	23.6	32.7	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS7	13:53:55	1.0	Surface	1	1	24.89	7.77	30.99	95.9	6.65	16.8	20.6	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS7	13:53:38	1.0	Surface	1	2	24.88	7.77	30.99	96	6.67	16.8	21.4	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS7	13:53:29	2.1	Bottom	3	1	24.88	7.77	31	96.1	6.67	17.1	21.8	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS7	13:53:46	2.1	Bottom	3	2	24.88	7.77	30.99	95.9	6.66	16.9	20.6	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS8	14:17:22	1.0	Surface	1	1	24.97	7.78	31.16	92.8	6.43	11.3	13.8	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS8	14:17:04	1.0	Surface	1	2	24.97	7.78	31.17	92.7	6.42	11.7	13.7	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS8	14:16:50	2.9	Bottom	3	1	24.97	7.77	31.17	92.8	6.43	11.4	12	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS8	14:17:10	2.9	Bottom	3	2	24.97	7.78	31.16	92.7	6.42	11.7	11.6	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS(MF)9	14:00:29	1.0	Surface	1	1	24.97	7.78	30.83	93.6	6.5	17.7	20.9	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS(MF)9	14:00:08	1.0	Surface	1	2	24.99	7.78	30.83	93.8	6.51	17.7	20	
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS(MF)9	13:59:58	2.7	Bottom	3	1	24.99	7.78	30.83	93.7	6.5	18.3	23	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS(MF)9	14:00:18	2.7	Bottom	3	2	24.97	7.78	30.83	93.6	6.5	17.7	22	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS10	14:36:30	1.0	Surface	1	1	24.98	8.16	30.34	94.6	6.58	10.6	15.7	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS10	14:37:32	1.0	Surface	1	2	24.98	8.16	30.32	94.4	6.57	10.8	15.3	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS10	14:37:21	4.9	Middle	2	1	24.96	8.16	30.38	94.1	6.55	11.8	16.3	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS10	14:36:07	4.9	Middle	2	2	24.97	8.16	30.36	94.3	6.56	11.9	16.6	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS10	14:35:37	8.8	Bottom	3	1	24.97	8.16	30.36	94.3	6.56	11.7	17.8	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	IS10	14:37:13	8.8	Bottom	3	2	24.96	8.16	30.39	94.1	6.55	11.9	19.3	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR3	13:32:40	0.7	Middle	2	1	24.81	7.77	31.17	94.7	6.57	17.7	21.6	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR3	13:32:30	0.7	Middle	2	2	24.81	7.77	31.17	94.9	6.59	17.9	20.9	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR4	14:12:05	1.0	Surface	1	1	24.98	7.78	31.31	91.1	6.3	7.7	10.2	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR4	14:11:47	1.0	Surface	1	2	24.98	7.78	31.34	91.2	6.31	7.9	10.9	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR4	14:11:36	2.7	Bottom	3	1	24.97	7.78	31.35	91.3	6.31	7.9	9.7	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR4	14:11:55	2.7	Bottom	3	2	24.98	7.78	31.32	91.1	6.3	7.8	10.8	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR5	14:22:25	1.0	Surface	1	1	24.97	8.16	30.33	94.8	6.59	11.7	19.4	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR5	14:22:50	1.0	Surface	1	2	24.97	8.16	30.36	94.7	6.59	12.1	18.3	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR5	14:22:09	4.3	Bottom	3	1	24.95	8.16	30.39	94.6	6.59	13.8	24.1	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR5	14:22:38	4.3	Bottom	3	2	24.96	8.16	30.38	94.5	6.58	13.5	24.9	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10A	15:28:35	1.0	Surface	1	1	25.08	7.76	31.79	85.8	5.91	5.4	5.1	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10A	15:28:02	1.0	Surface	1	2	25.08	7.76	31.79	85.9	5.92	5.3	4.3	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10A	15:27:52	3.3	Middle	2	1	25.07	7.76	31.8	85.7	5.91	5.9	4.2	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10A	15:28:25	3.3	Middle	2	2	25.06	7.76	31.8	85.7	5.9	5.8	4.4	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10A	15:28:14	5.6	Bottom	3	1	25.06	7.76	31.84	85.6	5.9	5.8	4.1	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10A	15:27:37	5.6	Bottom	3	2	25.05	7.76	31.85	85.8	5.91	5.7	4.7	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10B	15:36:53	1.0	Surface	1	1	25.07	7.76	31.79	85.8	5.91	5.1	4.4	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10B	15:37:15	1.0	Surface	1	2	25.08	7.76	31.79	85.7	5.91	5.1	5	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10B	15:37:04	4.4	Bottom	3	1	25.07	7.76	31.8	85.5	5.89	5.4	4.2	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	SR10B	15:36:43	4.4	Bottom	3	2	25.06	7.76	31.81	85.7	5.9	5.5	5.2	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS2	13:08:27	1.0	Surface	1	1	25.03	8.19	30.08	94.7	6.59	10	17	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS2	13:09:09	1.0	Surface	1	2	25.03	8.19	30.01	94.1	6.55	9.6	15.3	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS2	13:08:57	3.6	Middle	2	1	25.04	8.19	29.99	94	6.55	10	16.4	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS2	13:08:03	3.6	Middle	2	2	25.03	8.2	30.07	95.2	6.62	10.5	14	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS2	13:07:51	6.1	Bottom	3	1	25.03	8.18	30.11	95.9	6.67	10.4	15.4	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS2	13:08:46	6.1	Bottom	3	2	25.04	8.19	29.99	94	6.55	10.2	16.2	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS(MF)5	14:53:17	1.0	Surface	1	1	25.03	7.76	31.31	88.9	6.14	5.8	4.6	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS(MF)5	14:53:51	1.0	Surface	1	2	25.04	7.76	31.3	89.2	6.16	5.9	4	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS(MF)5	14:53:39	6.5	Middle	2	1	25.01	7.76	31.37	88.3	6.11	7.9	6.2	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS(MF)5	14:53:06	6.5	Middle	2	2	25	7.75	31.39	87.9	6.08	7.8	5.1	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS(MF)5	14:53:29	11.9	Bottom	3	1	25.01	7.76	31.38	88.9	6.14	7.6	5.4	
HKLR	HY/2011/03	2013-11-11	Mid-Flood	Fine	CS(MF)5	14:52:50	11.9	Bottom	3	2	25	7.75	31.41	88.5	6.12	7.7	5.1	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS5	10:24:38	1.0	Surface	1	1	24.2	7.74	31.29	91.4	6.41	10.2	8.6	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS5	10:25:12	1.0	Surface	1	2	24.18	7.74	31.23	91.6	6.43	10.6	9.1	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS5	10:24:59	4.2	Middle	2	1	24.27	7.74	31.52	91.3	6.38	12.6	7	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS5	10:24:28	4.2	Middle	2	2	24.27	7.74	31.53	91.5	6.4	12.1	7.5	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS5	10:24:49	7.3	Bottom	3	1	24.27	7.74	31.56	91.3	6.38	12.8	8.5	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS5	10:24:15	7.3	Bottom	3	2	24.28	7.74	31.59	91.5	6.4	12.2	8.9	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS(MF)6	10:17:21	1.0	Surface	1	1	24.02	7.73	30.88	91.6	6.46	20.5	13.7	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS(MF)6	10:17:02	1.0	Surface	1	2	23.98	7.73	30.84	91.9	6.49	20.1	14.3	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS(MF)6	10:17:12	2.2	Bottom	3	1	24.09	7.73	30.97	91.9	6.47	20.3	12.7	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS(MF)6	10:16:49	2.2	Bottom	3	2	24.13	7.72	31.02	92	6.47	20.4	14.8	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS7	10:10:17	1.0	Surface	1	1	23.96	7.73	31	93	6.56	8.4	7.9	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS7	10:10:02	1.0	Surface	1	2	23.96	7.73	31	93.1	6.57	8.4	8.1	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS7	10:09:52	2.2	Bottom	3	1	23.97	7.73	31	93.3	6.58	8.2	11.1	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS7	10:10:07	2.2	Bottom	3	2	23.97	7.73	31	93.1	6.57	8.5	9.9	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS8	09:45:25	1.0	Surface	1	1	24.2	7.73	31.16	90.6	6.36	9.6	10.7	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS8	09:45:48	1.0	Surface	1	2	24.19	7.73	31.18	90.6	6.36	9.8	10	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS8	09:45:37	3.0	Bottom	3	1	24.3	7.73	31.28	90.5	6.33	15.5	9.9	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS8	09:45:11	3.0	Bottom	3	2	24.32	7.72	31.3	90.3	6.32	15.6	9.1	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS(MF)9	10:03:41	1.0	Surface	1	1	24.05	7.72	31.02	91.9	6.47	9.2	10.1	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS(MF)9	10:03:25	1.0	Surface	1	2	24.05	7.72	31.03	92.1	6.49	9.2	10.2	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS(MF)9	10:03:15	2.7	Bottom	3	1	24.03	7.72	31.03	92.1	6.49	9.6	9.9	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS(MF)9	10:03:33	2.7	Bottom	3	2	24.04	7.72	31.02	91.9	6.47	9.7	10.5	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS10	09:34:15	1.0	Surface	1	1	24.47	8.03	29.29	92.8	6.55	3	3.5	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS10	09:35:25	1.0	Surface	1	2	24.49	8.07	29.27	92	6.49	3.1	2	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS10	09:35:14	5.6	Middle	2	1	24.57	8.08	29.4	91.8	6.45	3.1	3.9	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS10	09:34:08	5.6	Middle	2	2	24.48	8.03	29.32	92.8	6.54	3.3	4.1	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS10	09:35:07	10.2	Bottom	3	1	24.6	8.06	30.92	91.6	6.41	3.3	5.5	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	IS10	09:33:47	10.2	Bottom	3	2	24.6	8.01	30.86	92.7	6.48	3.4	4.3	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR3	10:31:04	0.8	Middle	2	1	24.17	7.74	31.24	91.8	6.44	7.6	9.4	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR3	10:30:56	0.8	Middle	2	2	24.17	7.74	31.23	91.8	6.44	7.7	7.5	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR4	09:51:44	1.0	Surface	1	1	23.65	7.67	30.1	87.1	6.21	5.9	2.9	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR4	09:52:01	1.0	Surface	1	2	23.67	7.67	30.11	86.6	6.17	5.9	2.9	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR4	09:51:52	2.8	Bottom	3	1	23.69	7.67	30.24	87	6.19	6	3.7	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR4	09:51:34	2.8	Bottom	3	2	23.67	7.67	30.23	87.7	6.24	6	4.3	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR5	09:43:33	1.0	Surface	1	1	24.47	8.08	29.23	92.3	6.52	2.5	3	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR5	09:43:48	1.0	Surface	1	2	24.47	8.08	29.23	92.4	6.52	2.5	2.1	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR5	09:43:38	4.0	Bottom	3	1	24.47	8.08	29.23	92.3	6.52	2.5	3.3	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR5	09:43:25	4.0	Bottom	3	2	24.46	8.08	29.23	92.1	6.51	2.6	4	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10A	08:34:27	1.0	Surface	1	1	24.61	7.7	32.1	86	5.96	4.5	3.8	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10A	08:33:57	1.0	Surface	1	2	24.61	7.7	32.08	86.2	5.98	4.4	5.9	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10A	08:33:48	3.2	Middle	2	1	24.61	7.7	32.1	86.2	5.97	4.9	3.8	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10A	08:34:19	3.2	Middle	2	2	24.6	7.7	32.13	86	5.96	4.8	3.2	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10A	08:33:38	5.3	Bottom	3	1	24.62	7.7	32.11	86	5.96	4.9	6.7	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10A	08:34:10	5.3	Bottom	3	2	24.61	7.7	32.13	85.9	5.95	4.9	5.8	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10B	08:27:50	1.0	Surface	1	1	24.62	7.64	31.96	85.9	5.96	4.9	5.6	
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10B	08:28:12	1.0	Surface	1	2	24.63	7.65	32	85.8	5.95	4.9	4.4	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-13	Mid-Ebb	Cloudy	SR10B	08:27:38	4.3	Bottom	3	1	24.62	7.64	31.99	85.6	5.94	4.8	5.7	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR5	15:36:51	3.9	Bottom	3	1	24.45	8.09	29.69	92.8	6.55	3.2	4.1	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR5	15:36:29	3.9	Bottom	3	2	24.45	8.1	30.24	92.9	6.52	3.4	4.5	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10A	17:03:53	1.0	Surface	1	1	24.55	7.72	32.34	85.4	5.92	6.6	7.5	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10A	17:04:18	1.0	Surface	1	2	24.54	7.72	32.33	85.2	5.91	6.7	8.6	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10A	17:03:44	3.3	Middle	2	1	24.55	7.72	32.34	85.3	5.91	6.8	6.3	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10A	17:04:10	3.3	Middle	2	2	24.55	7.72	32.33	85.2	5.91	6.7	5.6	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10A	17:04:02	5.6	Bottom	3	1	24.55	7.72	32.33	85.2	5.9	6.8	7.8	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10A	17:03:35	5.6	Bottom	3	2	24.56	7.72	32.34	85.3	5.91	6.6	7	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10B	17:14:00	1.0	Surface	1	1	24.55	7.73	32.31	85.1	5.9	5.1	6.8	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10B	17:13:43	1.0	Surface	1	2	24.55	7.72	32.32	85.1	5.9	5.3	6.5	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10B	17:13:35	4.3	Bottom	3	1	24.55	7.72	32.32	85	5.89	5.4	7.1	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	SR10B	17:13:51	4.3	Bottom	3	2	24.55	7.73	32.3	85.1	5.9	5.4	6.7	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS2	14:37:30	1.0	Surface	1	1	24.5	8.13	29.27	92.8	6.53	3.3	4.8	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS2	14:36:52	1.0	Surface	1	2	24.49	8.13	29.26	94.7	6.62	3.3	4.8	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS2	14:37:18	4.2	Middle	2	1	24.57	8.13	29.58	92.5	6.49	3.3	4.2	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS2	14:36:34	4.2	Middle	2	2	24.57	8.15	29.7	93.5	6.6	3.4	3.3	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS2	14:37:08	7.4	Bottom	3	1	24.55	8.12	30.69	92.1	6.48	3.5	5	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS2	14:36:18	7.4	Bottom	3	2	24.56	8.15	30.72	93.1	6.55	3.4	3.6	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS(MF)5	16:30:19	1.0	Surface	1	1	24.56	7.72	32.05	86.8	6.03	8.6	9.4	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS(MF)5	16:29:47	1.0	Surface	1	2	24.56	7.72	32.06	87	6.04	8.7	9.4	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS(MF)5	16:29:38	6.6	Middle	2	1	24.56	7.72	32.06	86.8	6.02	8.9	8.8	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS(MF)5	16:30:08	6.6	Middle	2	2	24.56	7.72	32.06	86.5	6.01	8.6	9.1	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS(MF)5	16:29:59	12.2	Bottom	3	1	24.56	7.72	32.06	86.5	6	8.7	9.2	
HKLR	HY/2011/03	2013-11-13	Mid-Flood	Cloudy	CS(MF)5	16:29:28	12.2	Bottom	3	2	24.56	7.72	32.06	86.8	6.02	8.9	8.1	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS5	12:18:19	1.0	Surface	1	1	23.55	7.83	31.23	92.6	6.57	11.1	10.9	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS5	12:19:00	1.0	Surface	1	2	23.61	7.84	31.24	92.7	6.57	10.6	11.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS5	12:18:08	4.7	Middle	2	1	23.5	7.83	31.27	92.4	6.56	12.2	12.3	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS5	12:18:41	4.7	Middle	2	2	23.49	7.84	31.29	92.3	6.55	12.6	10.1	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS5	12:18:34	8.4	Bottom	3	1	23.46	7.84	31.33	92.2	6.54	13	11.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS5	12:18:02	8.4	Bottom	3	2	23.5	7.83	31.28	92.3	6.55	12.2	11.4	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS(MF)6	12:10:45	1.0	Surface	1	1	23.68	7.78	30.82	91.3	6.48	19.9	8.8	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS(MF)6	12:11:09	1.0	Surface	1	2	23.75	7.79	30.83	91.7	6.5	20.5	9.1	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS(MF)6	12:10:51	2.3	Bottom	3	1	23.6	7.78	30.84	91.2	6.48	23	10.6	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS(MF)6	12:10:34	2.3	Bottom	3	2	23.66	7.77	30.82	91.5	6.49	23.1	9.1	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS7	12:01:44	1.0	Surface	1	1	23.64	7.78	30.84	93.7	6.65	9.3	12.4	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS7	12:02:00	1.0	Surface	1	2	23.71	7.78	30.81	93.9	6.66	8.7	11.5	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS7	12:01:49	2.3	Bottom	3	1	23.62	7.78	30.8	93.6	6.65	12	11.1	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS7	12:01:36	2.3	Bottom	3	2	23.48	7.77	30.81	93.7	6.67	12.2	11.6	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS8	11:36:28	1.0	Surface	1	1	23.71	7.77	30.82	92.6	6.57	8.4	8.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS8	11:36:07	1.0	Surface	1	2	23.64	7.76	30.84	93.3	6.63	9	9.5	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS8	11:36:00	2.6	Bottom	3	1	23.68	7.76	30.8	94	6.67	9.1	9.1	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS8	11:36:15	2.6	Bottom	3	2	23.57	7.77	30.82	92.7	6.59	8.9	9.7	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS(MF)9	11:55:27	1.0	Surface	1	1	23.49	7.79	30.8	91.4	6.51	13.5	12.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS(MF)9	11:55:12	1.0	Surface	1	2	23.43	7.79	30.81	91.9	6.55	13.6	11.9	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS(MF)9	11:55:18	2.4	Bottom	3	1	23.45	7.79	30.78	91.6	6.53	13.1	15	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS(MF)9	11:55:07	2.4	Bottom	3	2	23.45	7.78	30.79	92	6.56	13.7	14.8	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS10	11:14:30	1.0	Surface	1	1	23.9	8.1	30.29	92.6	6.57	7.5	4.6	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS10	11:15:06	1.0	Surface	1	2	23.93	8.1	30.26	92.8	6.58	7.4	5.7	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS10	11:14:55	5.3	Middle	2	1	23.79	8.09	30.69	91.8	6.5	8.7	5.1	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS10	11:14:19	5.3	Middle	2	2	23.78	8.1	30.71	91.5	6.49	8.5	5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS10	11:14:09	9.6	Bottom	3	1	23.75	8.1	30.83	91.7	6.5	8.7	6.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	IS10	11:14:44	9.6	Bottom	3	2	23.77	8.09	30.77	92.3	6.54	8.5	7.3	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR3	12:28:01	0.9	Middle	2	1	23.6	7.84	31.22	93.6	6.63	11	9.6	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR3	12:28:11	0.9	Middle	2	2	23.61	7.84	31.21	93.2	6.61	11.7	10.8	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR4	11:43:26	1.0	Surface	1	1	23.65	7.77	30.49	90.9	6.47	6.5	5.8	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR4	11:44:00	1.0	Surface	1	2	23.67	7.77	30.48	90	6.4	6.1	4.4	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR4	11:43:39	2.7	Bottom	3	1	23.61	7.77	30.59	90.2	6.41	7.1	7.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR4	11:43:17	2.7	Bottom	3	2	23.65	7.77	30.53	91.4	6.5	6.9	5.7	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR5	11:23:27	1.0	Surface	1	1	23.9	8.1	30.27	93.4	6.62	4.5	5.7	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR5	11:23:47	1.0	Surface	1	2	23.91	8.09	30.23	93.8	6.65	4.6	6.2	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR5	11:23:36	3.5	Bottom	3	1	23.85	8.09	30.46	93.6	6.64	4.5	8.6	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR5	11:23:17	3.5	Bottom	3	2	23.82	8.09	30.53	93.2	6.61	4.6	7	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10A	10:26:17	1.0	Surface	1	1	24.27	7.76	31.14	89.4	6.27	4.3	5.2	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10A	10:25:32	1.0	Surface	1	2	24.3	7.76	31.1	90.1	6.31	4.2	4.7	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10A	10:25:17	3.3	Middle	2	1	24.05	7.76	31.61	87.8	6.17	4.6	5.3	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10A	10:26:06	3.3	Middle	2	2	24.05	7.76	31.64	87.8	6.16	4.6	4.2	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10A	10:25:56	5.5	Bottom	3	1	24.07	7.76	32.04	88.9	6.22	4.5	5.8	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10A	10:25:08	5.5	Bottom	3	2	24.09	7.75	31.83	89	6.23	4.4	5.2	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10B	10:12:29	1.0	Surface	1	1	24.19	7.71	31.22	89.8	6.3	4.3	3.3	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10B	10:12:08	1.0	Surface	1	2	24.12	7.7	31.26	89.6	6.3	4.3	3.8	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10B	10:12:19	4.7	Bottom	3	1	24.07	7.7	31.57	89.5	6.28	4.6	3.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	SR10B	10:11:57	4.7	Bottom	3	2	24.11	7.68	31.45	90	6.32	4.5	3.8	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS2	12:47:25	1.0	Surface	1	1	23.89	8.1	30.04	93.8	6.66	7	5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS2	12:46:48	1.0	Surface	1	2	23.88	8.1	30.07	93.7	6.65	7.4	5.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS2	12:47:13	4.1	Middle	2	1	23.63	8.1	30.65	93	6.61	11.2	8.2	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS2	12:46:37	4.1	Middle	2	2	23.63	8.1	30.67	93.2	6.62	11	6.8	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS2	12:47:04	7.1	Bottom	3	1	23.61	8.1	30.89	92.9	6.6	12.8	7	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS2	12:46:16	7.1	Bottom	3	2	23.61	8.1	30.84	92.9	6.6	12.5	6.8	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS(MF)5	10:57:30	1.0	Surface	1	1	24.18	7.8	31.27	88	6.17	4.4	3.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS(MF)5	10:58:12	1.0	Surface	1	2	24.12	7.81	31.37	87.5	6.15	4.5	4.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS(MF)5	10:58:01	6.7	Middle	2	1	24.07	7.8	32.07	86.6	6.06	4.6	3	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS(MF)5	10:57:17	6.7	Middle	2	2	24.08	7.79	32.07	86.7	6.07	4.7	4.9	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS(MF)5	10:57:04	12.3	Bottom	3	1	24.07	7.79	32.05	87.7	6.14	4.4	3.5	
HKLR	HY/2011/03	2013-11-15	Mid-Ebb	Sunny	CS(MF)5	10:57:43	12.3	Bottom	3	2	24.08	7.79	32.02	87.9	6.15	4.5	5.1	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS5	15:57:50	1.0	Surface	1	1	24.01	7.83	31.27	93.8	6.6	11.5	12.8	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS5	15:57:10	1.0	Surface	1	2	24.03	7.83	31.28	94.6	6.65	11.9	11.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS5	15:57:00	4.7	Middle	2	1	24.05	7.83	31.31	94.5	6.65	11.7	13.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS5	15:57:35	4.7	Middle	2	2	23.81	7.83	31.37	93	6.56	12.2	13.6	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS5	15:56:50	8.4	Bottom	3	1	24.04	7.83	31.32	94.4	6.64	12.3	11.9	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS5	15:57:23	8.4	Bottom	3	2	23.92	7.83	31.32	93.9	6.61	12.8	13.4	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS(MF)6	16:05:37	1.0	Surface	1	1	24.08	7.81	31.19	93.6	6.58	22.2	10.1	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS(MF)6	16:05:19	1.0	Surface	1	2	24.09	7.8	31.17	94.6	6.65	20.8	11.3	
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS(MF)6	16:05:28	2.2	Bottom	3	1	23.85	7.8	31.17	92.5	6.53	23.3	11.7	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS(MF)6	16:05:08	2.2	Bottom	3	2	23.92	7.79	31.15	94.1	6.64	21.8	11	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS7	16:13:27	1.0	Surface	1	1	23.95	7.83	31.15	95	6.7	11.8	6.3	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS7	16:13:13	1.0	Surface	1	2	23.89	7.82	31.16	94.3	6.65	12.7	5.5	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS7	16:13:20	2.4	Bottom	3	1	23.94	7.82	31.12	94.6	6.67	15	8.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS7	16:13:06	2.4	Bottom	3	2	23.79	7.82	31.12	94.2	6.66	15.7	6.5	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS8	16:39:57	1.0	Surface	1	1	24.08	7.79	31.23	94.2	6.62	6.2	6	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS8	16:40:10	1.0	Surface	1	2	24.08	7.8	31.21	94.1	6.62	6.2	6.7	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS8	16:39:49	2.7	Bottom	3	1	24.07	7.79	31.22	94	6.61	6.3	7.4	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS8	16:40:03	2.7	Bottom	3	2	24.07	7.8	31.21	94	6.61	6.2	6.4	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS(MF)9	16:20:41	1.0	Surface	1	1	23.75	7.81	31.07	91.2	6.46	21.6	19	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS(MF)9	16:20:23	1.0	Surface	1	2	23.71	7.81	31.08	91.4	6.47	21.1	20.3	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS(MF)9	16:20:31	2.4	Bottom	3	1	23.64	7.81	31.09	91	6.45	22.8	21.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS(MF)9	16:20:14	2.4	Bottom	3	2	23.65	7.81	31.09	91.6	6.49	23.7	19.8	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS10	17:12:30	1.0	Surface	1	1	24.07	8.12	30.01	93.9	6.65	5.6	5.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS10	17:11:46	1.0	Surface	1	2	24.07	8.12	30.02	93.5	6.62	5.7	4.9	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS10	17:12:17	5.4	Middle	2	1	23.99	8.12	30.18	92.8	6.57	7.6	5.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS10	17:11:35	5.4	Middle	2	2	23.94	8.12	30.25	92.1	6.53	7.8	5.7	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS10	17:12:05	9.8	Bottom	3	1	23.93	8.11	30.42	93.4	6.62	7.9	6.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	IS10	17:11:23	9.8	Bottom	3	2	23.89	8.11	30.49	93.1	6.59	7.8	5.4	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR3	15:43:16	0.8	Middle	2	1	24.05	7.82	31.31	97.1	6.82	11.5	8.8	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR3	15:43:23	0.8	Middle	2	2	24.05	7.82	31.31	96.6	6.79	11.3	9.6	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR4	16:32:58	1.0	Surface	1	1	24.09	7.78	31.27	94	6.61	7.3	7.3	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR4	16:32:27	1.0	Surface	1	2	24.06	7.77	31.3	94	6.6	7.7	7.2	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR4	16:32:50	2.5	Bottom	3	1	24.02	7.78	31.29	94	6.61	8.7	7.7	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR4	16:32:20	2.5	Bottom	3	2	24.01	7.76	31.31	93.7	6.59	8	7.7	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR5	16:59:45	1.0	Surface	1	1	24.09	8.12	29.99	95.6	6.77	3.4	6	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR5	16:58:51	1.0	Surface	1	2	24.09	8.12	29.99	95.7	6.77	3.5	6.3	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR5	16:59:29	3.6	Bottom	3	1	24.1	8.12	30.02	95.6	6.76	3.6	6.3	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR5	16:58:41	3.6	Bottom	3	2	24.09	8.12	30.02	95.8	6.78	3.5	6.8	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10A	17:53:51	1.0	Surface	1	1	24.15	7.83	32.53	87.3	6.08	6.7	7.5	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10A	17:54:24	1.0	Surface	1	2	24.15	7.84	32.53	87.2	6.08	6.7	6.4	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10A	17:53:40	3.4	Middle	2	1	24.15	7.83	32.54	87.2	6.08	7.3	8.9	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10A	17:54:11	3.4	Middle	2	2	24.15	7.84	32.54	87	6.06	7.1	9.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10A	17:54:04	5.7	Bottom	3	1	24.15	7.83	32.54	86.9	6.06	7.1	8.5	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10A	17:53:21	5.7	Bottom	3	2	24.15	7.83	32.54	87.2	6.08	7.1	7.9	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10B	18:05:39	1.0	Surface	1	1	24.14	7.84	32.53	86.9	6.06	6.7	7.4	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10B	18:05:57	1.0	Surface	1	2	24.15	7.84	32.52	87	6.06	6.9	8.4	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10B	18:05:30	4.6	Bottom	3	1	24.15	7.84	32.54	87	6.06	6.7	6.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	SR10B	18:05:48	4.6	Bottom	3	2	24.15	7.84	32.53	86.9	6.05	7	8.1	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS2	15:42:12	1.0	Surface	1	1	24.1	8.16	30.03	93.4	6.61	5.3	6.1	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS2	15:41:21	1.0	Surface	1	2	24.1	8.18	30.09	94.4	6.68	5.2	6.8	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS2	15:41:57	4.1	Middle	2	1	24.03	8.16	30.11	93.2	6.6	7.7	6.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS2	15:41:09	4.1	Middle	2	2	24.06	8.19	30.16	94.6	6.69	7.5	6.1	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS2	15:40:51	7.1	Bottom	3	1	23.98	8.23	30.28	95.9	6.79	7.6	6.3	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS2	15:41:48	7.1	Bottom	3	2	23.96	8.16	30.18	93.1	6.6	7.8	6	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS(MF)5	17:18:05	1.0	Surface	1	1	24.13	7.82	31.39	90.9	6.38	5.4	6.3	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS(MF)5	17:17:18	1.0	Surface	1	2	24.15	7.82	31.44	90.2	6.33	5.6	5.2	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS(MF)5	17:17:07	6.5	Middle	2	1	24.2	7.81	31.95	89.6	6.26	6	5.1	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS(MF)5	17:17:46	6.5	Middle	2	2	24.2	7.82	31.95	89.2	6.23	5.9	4.9	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS(MF)5	17:16:58	12	Bottom	3	1	24.18	7.81	32.08	90.5	6.32	6.3	5.9	
HKLR	HY/2011/03	2013-11-15	Mid-Flood	Sunny	CS(MF)5	17:17:33	12	Bottom	3	2	24.17	7.82	32.15	89.6	6.25	6.8	4.9	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS5	11:54:04	1.0	Surface	1	1	23.1	7.87	31.02	93.6	6.7	9.5	5.1	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS5	11:54:39	1.0	Surface	1	2	23.09	7.87	31.02	93.3	6.68	10	4	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS5	11:53:52	4.9	Middle	2	1	23.07	7.87	31.05	93.3	6.69	9.7	4	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS5	11:54:28	4.9	Middle	2	2	23.07	7.87	31.04	93	6.66	9.9	4.2	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS5	11:53:43	8.8	Bottom	3	1	23.08	7.87	31.04	93.5	6.69	9.9	4.6	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS5	11:54:20	8.8	Bottom	3	2	23.08	7.87	31.04	93.3	6.68	9.8	5	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS(MF)6	12:21:53	1.0	Surface	1	1	23.12	7.85	31.06	94.3	6.75	11.2	6.9	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS(MF)6	12:21:40	1.0	Surface	1	2	23.13	7.85	31.06	94.6	6.77	10.7	5.1	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS(MF)6	12:21:46	2.3	Bottom	3	1	23.12	7.85	31.06	94.3	6.75	10.8	5.5	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS(MF)6	12:21:31	2.3	Bottom	3	2	23.1	7.84	31.06	94.9	6.79	11.1	7.4	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS7	12:27:33	1.0	Surface	1	1	23.19	7.81	30.97	95.9	6.86	21.1	4	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS7	12:27:51	1.0	Surface	1	2	23.17	7.82	30.98	94.8	6.79	20.3	3.5	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS7	12:27:23	2.2	Bottom	3	1	23.21	7.81	30.98	96.5	6.9	23.7	5.6	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS7	12:27:41	2.2	Bottom	3	2	23.16	7.82	30.98	95.3	6.82	23.1	6	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS8	12:49:20	1.0	Surface	1	1	23.43	7.86	30.83	94.4	6.73	8.4	6.7	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS8	12:49:33	1.0	Surface	1	2	23.43	7.86	30.82	94.5	6.73	8.6	7.4	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS8	12:49:27	2.6	Bottom	3	1	23.43	7.86	30.87	94.5	6.74	8.8	7.9	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS8	12:49:13	2.6	Bottom	3	2	23.48	7.86	30.9	94.8	6.75	8.5	7.9	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS(MF)9	12:34:11	1.0	Surface	1	1	23.28	7.84	31.04	97.4	6.95	8	4.9	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS(MF)9	12:34:29	1.0	Surface	1	2	23.33	7.85	31.04	97.1	6.92	7.8	5.5	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS(MF)9	12:34:03	2.5	Bottom	3	1	23.23	7.84	31.02	97.5	6.96	8.6	6.5	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS(MF)9	12:34:20	2.5	Bottom	3	2	23.15	7.84	31.06	96.9	6.93	8.3	5.5	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS10	13:21:58	1.0	Surface	1	1	23.45	8.05	29.51	92.2	6.62	7.6	7.2	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS10	13:21:17	1.0	Surface	1	2	23.24	8.06	30.48	92	6.59	7.8	7.8	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS10	13:21:43	5.3	Middle	2	1	23.21	8.06	30.82	91.6	6.55	8.1	8.9	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS10	13:21:08	5.3	Middle	2	2	23.21	8.05	30.82	91.7	6.56	7.9	9.4	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS10	13:21:32	9.5	Bottom	3	1	23.18	8.06	30.79	91.6	6.56	8.2	11.7	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	IS10	13:20:57	9.5	Bottom	3	2	23.2	8.05	30.76	91.8	6.57	8.3	12.7	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR3	11:43:01	0.9	Middle	2	1	23.08	7.87	31.03	94.7	6.78	9.9	8.2	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR3	11:42:52	0.9	Middle	2	2	23.07	7.87	31.03	94.9	6.8	9.7	7.9	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR4	12:42:03	1.0	Surface	1	1	23.51	7.86	30.75	96.1	6.84	7.8	5.2	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR4	12:41:33	1.0	Surface	1	2	23.47	7.84	30.82	94.5	6.73	8	4.6	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR4	12:41:26	2.6	Bottom	3	1	23.47	7.83	30.95	95	6.76	9.5	7.9	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR4	12:41:42	2.6	Bottom	3	2	23.43	7.85	30.85	95.2	6.78	8.7	8.7	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR5	13:10:53	1.0	Surface	1	1	23.26	8.04	30.32	94.2	6.75	5.7	6.8	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR5	13:11:14	1.0	Surface	1	2	23.25	8.04	30.36	93.6	6.71	5.9	7.1	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR5	13:11:05	3.6	Bottom	3	1	23.23	8.04	30.46	93.6	6.71	5.9	12.7	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR5	13:10:45	3.6	Bottom	3	2	23.24	8.04	30.44	94.3	6.76	5.9	13.5	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10A	13:58:03	1.0	Surface	1	1	23.72	7.85	32.21	88	6.19	6.1	4.7	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10A	13:58:51	1.0	Surface	1	2	23.76	7.86	32.19	88.2	6.2	5.8	5.6	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10A	13:57:52	3.3	Middle	2	1	23.69	7.85	32.29	87.6	6.17	7.2	8.3	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10A	13:58:32	3.3	Middle	2	2	23.71	7.86	32.23	87.4	6.15	7.5	8	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10A	13:57:44	5.6	Bottom	3	1	23.69	7.85	32.31	88	6.19	8	13.7	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10A	13:58:18	5.6	Bottom	3	2	23.69	7.86	32.3	87.4	6.15	8.4	14	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10B	14:12:35	1.0	Surface	1	1	23.74	7.87	32.18	88	6.19	5.6	6.2	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10B	14:12:10	1.0	Surface	1	2	23.73	7.87	32.19	87.9	6.18	5.8	5.8	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10B	14:12:01	4.3	Bottom	3	1	23.74	7.86	32.2	87.8	6.18	5.5	11.7	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	SR10B	14:12:18	4.3	Bottom	3	2	23.73	7.87	32.2	87.7	6.17	5.7	13.3	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS2	11:42:01	1.0	Surface	1	1	23.33	7.98	29.34	95.6	6.88	6.8	5.8	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS2	11:42:42	1.0	Surface	1	2	23.32	8.02	29.36	93.7	6.75	6.9	4.8	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS2	11:42:32	3.9	Middle	2	1	23.35	8.01	30.35	93.8	6.72	6.5	4.1	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS2	11:41:47	3.9	Middle	2	2	23.37	7.97	30.28	96.9	6.93	6.1	3.6	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS2	11:41:30	6.8	Bottom	3	1	23.31	7.91	30.84	99	7.07	6.5	9.1	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS2	11:42:23	6.8	Bottom	3	2	23.3	8	30.79	94	6.72	6.9	9.8	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS(MF)5	13:29:19	1.0	Surface	1	1	23.89	7.88	31.5	90.8	6.39	4.9	5	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS(MF)5	13:28:19	1.0	Surface	1	2	23.81	7.88	31.58	90.6	6.38	5.3	4.5	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS(MF)5	13:28:05	6.8	Middle	2	1	23.68	7.87	31.98	89.3	6.3	5.9	8.7	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS(MF)5	13:29:01	6.8	Middle	2	2	23.68	7.88	31.99	88.4	6.23	6	8.1	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS(MF)5	13:27:56	12.5	Bottom	3	1	23.7	7.87	32.02	90.1	6.35	5.5	12.2	
HKLR	HY/2011/03	2013-11-18	Mid-Ebb	Sunny	CS(MF)5	13:28:43	12.5	Bottom	3	2	23.69	7.88	32.02	89	6.27	5.8	13.9	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS5	08:37:56	1.0	Surface	1	1	23.06	7.86	31.08	93.2	6.68	11.3	5.3	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS5	08:38:32	1.0	Surface	1	2	23.05	7.86	31.08	93.1	6.67	11.4	7	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS5	08:37:45	4.9	Middle	2	1	23.05	7.85	31.08	93	6.66	11.6	7.9	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS5	08:38:20	4.9	Middle	2	2	23.04	7.86	31.08	92.9	6.66	11.8	7.5	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS5	08:38:09	8.7	Bottom	3	1	23.03	7.86	31.08	92.9	6.66	11.7	9.7	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS5	08:37:27	8.7	Bottom	3	2	23.05	7.85	31.08	93.1	6.67	11.3	10.2	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS(MF)6	08:27:28	1.0	Surface	1	1	22.99	7.84	30.99	93.9	6.74	20.2	7.6	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS(MF)6	08:27:48	1.0	Surface	1	2	22.96	7.85	31	93	6.68	19.8	8.3	
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS(MF)6	08:27:39	2.4	Bottom	3	1	22.96	7.84	30.99	93.3	6.7	20.9	7.3	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS(MF)6	08:27:22	2.4	Bottom	3	2	22.97	7.84	30.99	94.3	6.77	21.1	6.2	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS7	08:19:03	1.0	Surface	1	1	23.05	7.82	30.94	93.2	6.68	15.1	3.5	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS7	08:19:17	1.0	Surface	1	2	23.04	7.83	30.94	92.9	6.66	14.7	3.1	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS7	08:19:10	2.3	Bottom	3	1	23.04	7.83	30.94	93	6.67	15.1	6.2	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS7	08:18:56	2.3	Bottom	3	2	23.04	7.82	30.94	93.4	6.7	15.6	7	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS8	07:50:09	1.0	Surface	1	1	23.46	7.83	30.93	92.4	6.58	10.2	7.9	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS8	07:50:24	1.0	Surface	1	2	23.47	7.83	30.94	92.4	6.58	10.9	7.8	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS8	07:50:02	2.8	Bottom	3	1	23.47	7.82	30.95	92.6	6.59	10.6	11	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS8	07:50:17	2.8	Bottom	3	2	23.47	7.83	30.95	92.3	6.57	11	9.4	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS(MF)9	08:13:10	1.0	Surface	1	1	23.12	7.85	31.03	94.6	6.77	8.9	3.6	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS(MF)9	08:12:55	1.0	Surface	1	2	23.13	7.84	31.02	95	6.8	8.9	3.2	
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS(MF)9	08:12:48	2.5	Bottom	3	1	23.12	7.84	31.03	95.1	6.8	9.2	6.9	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS(MF)9	08:13:04	2.5	Bottom	3	2	23.11	7.85	31.04	94.7	6.78	8.9	7.1	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS10	07:46:01	1.0	Surface	1	1	23.35	8.03	31.04	92.5	6.59	8.1	4.1	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS10	07:45:13	1.0	Surface	1	2	23.35	8.02	31.05	92.7	6.61	8	4.1	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS10	07:45:03	5.3	Middle	2	1	23.35	8.02	31.06	92.5	6.59	9.2	5.7	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS10	07:45:52	5.3	Middle	2	2	23.36	8.03	31.07	92.2	6.57	9.5	6.5	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS10	07:44:51	9.6	Bottom	3	1	23.36	8.02	31.1	92.7	6.6	9.6	6.2	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	IS10	07:45:39	9.6	Bottom	3	2	23.37	8.03	31.11	92.3	6.57	9.6	6.4	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR3	08:46:01	0.8	Middle	2	1	23.06	7.86	31.08	93.3	6.68	10.6	5.8	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR3	08:46:08	0.8	Middle	2	2	23.06	7.86	31.08	93.2	6.68	10.3	6.2	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR4	07:59:40	1.0	Surface	1	1	23.47	7.8	30.98	90.8	6.46	10.2	5.6	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR4	07:59:26	1.0	Surface	1	2	23.44	7.78	30.98	91.6	6.52	10.3	5.4	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR4	07:59:32	2.5	Bottom	3	1	23.45	7.79	30.99	91.2	6.49	10.2	10.1	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR4	07:59:17	2.5	Bottom	3	2	23.43	7.77	30.98	92.5	6.58	10.2	10	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR5	07:55:37	1.0	Surface	1	1	23.32	8.04	31	92.6	6.61	7.4	5.4	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR5	07:55:17	1.0	Surface	1	2	23.32	8.04	31.01	92.6	6.61	7.5	5.1	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR5	07:55:29	3.6	Bottom	3	1	23.33	8.04	31	92.5	6.6	7.5	11.5	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR5	07:55:07	3.6	Bottom	3	2	23.32	8.04	31.01	92.5	6.6	7.5	11.6	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10A	06:52:00	1.0	Surface	1	1	23.65	7.87	31.73	88.3	6.24	8.1	3.7	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10A	06:51:30	1.0	Surface	1	2	23.66	7.86	31.74	88.5	6.25	7.5	4.1	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10A	06:51:16	3.4	Middle	2	1	23.66	7.86	31.76	88.4	6.24	8	6	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10A	06:51:50	3.4	Middle	2	2	23.66	7.87	31.76	88.2	6.23	7.9	5.3	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10A	06:51:41	5.8	Bottom	3	1	23.66	7.86	31.76	88.2	6.23	7.7	11.2	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10A	06:51:07	5.8	Bottom	3	2	23.66	7.86	31.76	88.4	6.24	7.8	11.6	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10B	06:42:55	1.0	Surface	1	1	23.7	7.84	32.09	88.6	6.24	13.7	4.1	
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10B	06:42:24	1.0	Surface	1	2	23.69	7.83	32.06	89.3	6.29	12.9	4.4	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-18	Mid-Flood	Sunny	SR10B	06:42:40	4.7	Bottom	3	1	23.7	7.83	32.1	88.7	6.24	13.7	8.1	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SRS	13:58:01	4.5	Bottom	3	1	22.74	7.96	30.07	89.3	6.47	5	10.7	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SRS	13:58:15	4.5	Bottom	3	2	22.79	7.97	29.49	89.2	6.48	4.8	10	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10A	15:16:25	1.0	Surface	1	1	23.26	7.87	31.57	88.1	6.27	5.6	9.1	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10A	15:16:55	1.0	Surface	1	2	23.25	7.87	31.59	87.7	6.24	5.8	9.7	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10A	15:16:15	3.2	Middle	2	1	23.26	7.86	31.57	87.8	6.25	5.8	9.9	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10A	15:16:44	3.2	Middle	2	2	23.26	7.87	31.6	87.6	6.24	5.9	8.6	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10A	15:16:33	5.4	Bottom	3	1	23.26	7.87	31.57	87.8	6.25	5.8	11.1	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10A	15:16:05	5.4	Bottom	3	2	23.26	7.86	31.57	87.8	6.25	5.8	12	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10B	15:25:28	1.0	Surface	1	1	23.25	7.86	31.62	87.2	6.21	5.8	7.8	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10B	15:25:11	1.0	Surface	1	2	23.25	7.86	31.62	87.3	6.21	5.9	8.8	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10B	15:25:03	3.7	Bottom	3	1	23.25	7.86	31.63	87.3	6.21	6.1	9.6	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	SR10B	15:25:20	3.7	Bottom	3	2	23.25	7.86	31.63	87.2	6.2	5.9	9.1	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS2	13:02:31	1.0	Surface	1	1	22.81	7.91	28.19	90.6	6.63	4.5	7.5	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS2	13:03:07	1.0	Surface	1	2	22.79	7.96	28.33	90.4	6.61	4.8	7.6	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS2	13:03:00	4.2	Middle	2	1	22.76	7.96	29.72	90.5	6.57	5.2	7.5	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS2	13:02:17	4.2	Middle	2	2	22.76	7.9	29.81	91.3	6.62	5.4	8.5	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS2	13:02:07	7.3	Bottom	3	1	22.81	7.87	30.49	91.4	6.6	5.4	7.4	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS2	13:02:48	7.3	Bottom	3	2	22.79	7.93	30.46	90.3	6.52	5.3	6.8	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS(Mf)5	14:44:32	1.0	Surface	1	1	23.04	7.87	30.61	87.6	6.3	7.1	6.8	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS(Mf)5	14:43:54	1.0	Surface	1	2	22.92	7.87	30.72	89.5	6.44	7.1	7.1	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS(Mf)5	14:44:21	6.4	Middle	2	1	23.21	7.86	31.46	87.3	6.23	7.2	7	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS(Mf)5	14:43:36	6.4	Middle	2	2	23.22	7.86	31.5	87.5	6.24	7	6.9	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS(Mf)5	14:44:10	11.7	Bottom	3	1	23.21	7.86	31.57	88.5	6.3	7.2	5.6	
HKLR	HY/2011/03	2013-11-20	Mid-Ebb	Fine	CS(Mf)5	14:43:28	11.7	Bottom	3	2	23.19	7.86	31.54	88.3	6.29	7.1	7.2	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS5	09:49:08	1.0	Surface	1	1	22.33	7.88	30.81	92.5	6.73	15.6	17.3	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS5	09:49:43	1.0	Surface	1	2	22.33	7.88	30.81	92.4	6.71	15.2	18.7	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS5	09:49:31	4.4	Middle	2	1	22.35	7.88	30.82	92	6.69	15.8	20.3	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS5	09:48:56	4.4	Middle	2	2	22.36	7.88	30.83	92.2	6.7	15.1	20.2	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS5	09:48:47	7.7	Bottom	3	1	22.38	7.87	30.87	92.3	6.7	15.4	20.5	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS5	09:49:22	7.7	Bottom	3	2	22.38	7.88	30.87	92.2	6.69	15.4	19.6	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS(Mf)6	09:41:34	1.0	Surface	1	1	22.37	7.87	30.74	93.1	6.77	24.4	21.6	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS(Mf)6	09:41:53	1.0	Surface	1	2	22.37	7.88	30.74	92.7	6.73	24.3	22.5	
HKLR	HY/2011/03		Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS(Mf)6	09:41:25	2.3	Bottom	3	1	22.36	7.87	30.77	93.3	6.78	24.5	24.2	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS(Mf)6	09:41:40	2.3	Bottom	3	2	22.37	7.87	30.77	92.9	6.75	24.7	25.7	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS7	09:34:11	1.0	Surface	1	1	22.4	7.87	30.67	92.4	6.71	17.8	22.5	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS7	09:34:25	1.0	Surface	1	2	22.4	7.87	30.67	92.3	6.71	17.4	21.6	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS7	09:34:17	2.2	Bottom	3	1	22.4	7.87	30.67	92.3	6.71	17.6	21.8	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS7	09:34:03	2.2	Bottom	3	2	22.4	7.87	30.67	92.4	6.71	17.9	21.3	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS8	09:09:13	1.0	Surface	1	1	22.67	7.85	30.57	90.3	6.53	9.7	11.5	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS8	09:08:54	1.0	Surface	1	2	22.67	7.85	30.56	90.4	6.54	9.6	11.4	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS8	09:09:03	3.1	Bottom	3	1	22.67	7.85	30.57	90.2	6.53	9.5	14.1	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS8	09:08:41	3.1	Bottom	3	2	22.66	7.85	30.58	90.5	6.54	10.2	13.4	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS(Mf)9	09:27:17	1.0	Surface	1	1	22.44	7.86	30.49	92.9	6.75	11.1	10.3	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS(Mf)9	09:27:39	1.0	Surface	1	2	22.45	7.86	30.49	92.7	6.74	11.2	10	
HKLR	HY/2011/03		Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS(Mf)9	09:27:08	2.7	Bottom	3	1	22.4	7.86	30.57	93	6.76	11.3	9.5	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS(Mf)9	09:27:27	2.7	Bottom	3	2	22.41	7.86	30.57	92.7	6.74	11.6	8.8	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS10	09:26:50	1.0	Surface	1	1	22.78	8.05	30.55	90.8	6.55	11.9	18.1	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS10	09:26:20	1.0	Surface	1	2	22.79	8.04	30.55	90.8	6.56	11.8	16.7	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS10	09:26:42	5.8	Middle	2	1	22.79	8.05	30.6	90.6	6.54	12.5	16.5	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS10	09:26:07	5.8	Middle	2	2	22.79	8.03	30.61	90.7	6.55	12.2	17.6	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS10	09:25:56	10.6	Bottom	3	1	22.79	8.03	30.61	90.7	6.54	12.7	17.9	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	IS10	09:26:32	10.6	Bottom	3	2	22.78	8.04	30.61	90.5	6.53	12.7	18	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR3	09:57:44	0.7	Middle	2	1	22.33	7.88	30.8	92.7	6.74	15.4	17.8	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR3	09:57:37	0.7	Middle	2	2	22.33	7.88	30.8	92.7	6.74	15.5	17.4	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR4	09:16:27	1.0	Surface	1	1	22.6	7.85	30.61	89.7	6.49	10.5	12	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR4	09:16:06	1.0	Surface	1	2	22.6	7.85	30.61	89.8	6.5	10.7	13.1	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR4	09:16:15	2.8	Bottom	3	1	22.6	7.85	30.61	89.6	6.49	10.6	10.8	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR4	09:15:54	2.8	Bottom	3	2	22.61	7.85	30.61	90.1	6.53	10.6	11.7	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR5	09:38:05	1.0	Surface	1	1	22.78	8.06	30.56	90.8	6.56	11.4	19.1	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR5	09:38:23	1.0	Surface	1	2	22.78	8.06	30.55	90.8	6.55	11.1	19.5	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR5	09:37:59	4.5	Bottom	3	1	22.79	8.06	30.57	90.8	6.55	11.5	19	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR5	09:38:12	4.5	Bottom	3	2	22.78	8.06	30.57	90.8	6.55	11.6	19.4	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10A	08:11:31	1.0	Surface	1	1	23.21	7.87	31.32	87.5	6.24	8.4	8.6	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10A	08:10:58	1.0	Surface	1	2	23.21	7.86	31.32	87.6	6.25	8.7	8.4	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10A	08:10:45	3.2	Middle	2	1	23.21	7.86	31.33	87.6	6.25	8.4	9.2	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10A	08:11:20	3.2	Middle	2	2	23.21	7.86	31.33	87.3	6.23	8.3	11	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10A	08:11:08	5.4	Bottom	3	1	23.21	7.86	31.33	87.4	6.23	8.6	10.2	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10A	08:10:33	5.4	Bottom	3	2	23.21	7.86	31.31	87.6	6.25	8.4	10.7	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10B	08:05:42	1.0	Surface	1	1	23.23	7.83	31.69	87.2	6.21	10.9	16.8	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10B	08:06:01	1.0	Surface	1	2	23.23	7.84	31.7	87.1	6.2	11.2	16.5	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10B	08:05:33	4.0	Bottom	3	1	23.23	7.83	31.68	87.3	6.21	11	19.8	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	SR10B	08:05:52	4.0	Bottom	3	2	23.23	7.84	31.7	87.1	6.2	11.1	19.1	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS2	10:28:31	1.0	Surface	1	1	22.9	8.03	30.16	89.7	6.48	7.7	11.2	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS2	10:29:03	1.0	Surface	1	2	22.9	8.04	30.17	89.6	6.47	7.8	11	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS2	10:28:21	4.2	Middle	2	1	22.9	8.03	30.21	89.5	6.46	8.4	10	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS2	10:28:55	4.2	Middle	2	2	22.91	8.04	30.21	89.5	6.46	8.5	10.2	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS2	10:28:09	7.3	Bottom	3	1	22.91	8.02	30.34	89.4	6.45	8.8	10.6	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS2	10:28:45	7.3	Bottom	3	2	22.91	8.03	30.28	89.5	6.46	8.6	11.7	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS(MF)5	08:42:35	1.0	Surface	1	1	22.84	7.87	30.52	89.2	6.44	9.3	7.4	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS(MF)5	08:41:54	1.0	Surface	1	2	22.86	7.87	30.53	89	6.42	9.3	7.2	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS(MF)5	08:41:42	6.6	Middle	2	1	22.95	7.86	30.72	88.6	6.37	10.2	6.4	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS(MF)5	08:42:21	6.6	Middle	2	2	22.96	7.86	30.74	88.7	6.38	10.5	6.5	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS(MF)5	08:41:30	12.1	Bottom	3	1	22.98	7.86	30.84	88.9	6.39	10.5	6.7	
HKLR	HY/2011/03	2013-11-20	Mid-Flood	Fine	CS(MF)5	08:42:11	12.1	Bottom	3	2	22.97	7.86	30.85	89.3	6.41	10.3	6.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS5	14:12:40	1.0	Surface	1	1	22.2	7.86	30.21	92	6.73	12.1	15.5	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS5	14:13:11	1.0	Surface	1	2	22.19	7.86	30.25	91.7	6.7	12.8	15.8	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS5	14:13:04	4.3	Middle	2	1	22.19	7.86	30.3	91.6	6.7	12.8	15.6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS5	14:12:26	4.3	Middle	2	2	22.19	7.87	30.34	91.7	6.7	12.4	13.6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS5	14:12:18	7.6	Bottom	3	1	22.19	7.87	30.35	91.7	6.7	12.5	14.8	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS5	14:12:51	7.6	Bottom	3	2	22.19	7.86	30.32	91.6	6.69	12.7	15.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS(MF)6	14:19:28	1.0	Surface	1	1	22.55	7.86	30.11	94.7	6.89	11.3	10.6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS(MF)6	14:19:10	1.0	Surface	1	2	22.53	7.86	30.13	94.7	6.89	11.2	10.8	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS(MF)6	14:19:01	2.2	Bottom	3	1	22.4	7.85	30.14	94.3	6.87	10.9	11.8	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS(MF)6	14:19:17	2.2	Bottom	3	2	22.42	7.86	30.12	94.3	6.87	11.3	11.7	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS7	14:26:09	1.0	Surface	1	1	22.54	7.86	30.02	95.4	6.94	8.2	11	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS7	14:25:49	1.0	Surface	1	2	22.55	7.86	30.02	95.3	6.93	8.3	10.2	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS7	14:25:39	2.2	Bottom	3	1	22.53	7.86	30.03	95.3	6.93	8.5	10.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS7	14:25:58	2.2	Bottom	3	2	22.53	7.86	30.03	95.3	6.93	8.5	11.2	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS8	14:48:48	1.0	Surface	1	1	22.67	7.85	29.52	93.2	6.78	8.2	7.9	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS8	14:48:34	1.0	Surface	1	2	22.63	7.85	29.55	93	6.77	8.1	8.1	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS8	14:48:41	2.7	Bottom	3	1	22.67	7.85	29.53	93	6.77	8.1	9	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS8	14:48:25	2.7	Bottom	3	2	22.65	7.85	29.55	92.9	6.76	7.9	8.5	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS(MF)9	14:32:34	1.0	Surface	1	1	22.53	7.85	29.74	95.3	6.95	7.4	9.7	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS(MF)9	14:32:19	1.0	Surface	1	2	22.51	7.85	29.75	95.5	6.96	7.6	8.9	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS(MF)9	14:32:12	2.7	Bottom	3	1	22.5	7.85	29.78	95.2	6.94	7.5	11.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS(MF)9	14:32:26	2.7	Bottom	3	2	22.48	7.85	29.81	95.1	6.94	7.5	11.6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS10	15:20:15	1.0	Surface	1	1	22.69	8.08	28.92	90.3	6.59	5.3	5.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS10	15:20:50	1.0	Surface	1	2	22.64	8.09	27.74	90.1	6.63	5.8	4.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS10	15:19:52	6.0	Middle	2	1	22.48	8.08	29.7	89.4	6.53	6.7	5.7	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS10	15:20:37	6.0	Middle	2	2	22.47	8.08	29.7	89.4	6.52	6.7	3.6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS10	15:19:40	11.0	Bottom	3	1	22.47	8.08	29.73	89.4	6.52	6.5	6.3	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	IS10	15:20:28	11.0	Bottom	3	2	22.47	8.08	29.68	89.6	6.54	6.7	5.6	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR3	14:00:45	0.7	Middle	2	1	22.21	7.9	30.34	93.9	6.86	13.1	14.2	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR3	14:00:50	0.7	Middle	2	2	22.21	7.9	30.34	93.6	6.84	12.8	14.1	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR4	14:42:46	1.0	Surface	1	1	22.55	7.84	29.51	92.3	6.73	8.2	11.6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR4	14:42:32	1.0	Surface	1	2	22.55	7.84	29.51	92.4	6.74	8.2	11.1	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR4	14:42:38	2.7	Bottom	3	1	22.55	7.84	29.52	92.2	6.73	8.2	13.2	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR4	14:42:24	2.7	Bottom	3	2	22.55	7.84	29.52	92.8	6.77	8.2	11.8	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR5	15:10:52	1.0	Surface	1	1	22.79	8.07	27.56	91.2	6.7	4.4	6.6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR5	15:11:24	1.0	Surface	1	2	22.83	8.06	27.41	91	6.68	4.2	6.8	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR5	15:11:04	4.5	Bottom	3	1	22.56	8.06	29.54	90.5	6.6	6.9	6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR5	15:10:38	4.5	Bottom	3	2	22.6	8.06	29.52	90.9	6.62	7.1	6.1	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10A	16:14:12	1.0	Surface	1	1	22.96	7.84	30.86	87.2	6.26	4.2	7.2	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10A	16:13:38	1.0	Surface	1	2	22.96	7.84	31.01	87.3	6.27	4.1	7.6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10A	16:13:29	3.2	Middle	2	1	22.96	7.84	31.09	87.3	6.26	4.1	6	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10A	16:14:04	3.2	Middle	2	2	22.96	7.84	31.1	86.9	6.24	4.1	5.1	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10A	16:13:48	5.4	Bottom	3	1	22.96	7.84	31.1	87	6.24	4.2	7.2	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10A	16:13:19	5.4	Bottom	3	2	22.96	7.83	31.15	87.4	6.27	4.2	8	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10B	16:22:33	1.0	Surface	1	1	22.96	7.84	30.8	87.5	6.29	3.9	5.2	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10B	16:22:54	1.0	Surface	1	2	22.96	7.84	30.78	87.7	6.31	3.9	6.2	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10B	16:22:23	3.7	Bottom	3	1	22.96	7.84	31.02	87.3	6.27	3.7	5.2	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	SR10B	16:22:41	3.7	Bottom	3	2	22.96	7.84	30.96	87.5	6.29	4	4.8	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS2	13:59:05	1.0	Surface	1	1	22.71	8.12	27.89	90.7	6.66	4.7	5	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS2	13:58:28	1.0	Surface	1	2	22.64	8.12	28.13	91	6.68	4.2	4.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS2	13:58:14	3.6	Middle	2	1	22.73	8.13	29.35	92.5	6.73	5.9	6.1	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS2	13:58:57	3.6	Middle	2	2	22.64	8.12	29.37	90.6	6.6	6.2	3.7	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS2	13:57:51	6.1	Bottom	3	1	22.44	8.13	29.8	93.7	6.84	8.1	6.2	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS2	13:58:43	6.1	Bottom	3	2	22.46	8.11	29.67	90	6.57	8.3	5.3	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS(MF)5	15:46:53	1.0	Surface	1	1	22.83	7.84	30.32	86.7	6.26	5.4	9.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS(MF)5	15:46:00	1.0	Surface	1	2	22.87	7.84	30.41	86.7	6.26	5.5	8.4	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS(MF)5	15:46:40	6.1	Middle	2	1	22.91	7.84	30.99	85.6	6.15	5.8	8.3	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS(MF)5	15:45:50	6.1	Middle	2	2	22.89	7.83	31.08	86.2	6.19	5.7	6.8	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS(MF)5	15:45:42	11.2	Bottom	3	1	22.89	7.83	31.2	86.7	6.22	5.9	7.8	
HKLR	HY/2011/03	2013-11-22	Mid-Ebb	Fine	CS(MF)5	15:46:25	11.2	Bottom	3	2	22.9	7.83	31.26	85.8	6.16	5.7	9	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS5	11:01:53	1.0	Surface	1	1	22.07	7.85	30.04	92.1	6.76	15.5	24.6	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS5	11:01:25	1.0	Surface	1	2	22.07	7.85	30.05	92.2	6.77	15.9	25.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS5	11:01:45	4.3	Middle	2	1	22.06	7.85	30.11	92	6.75	15.7	26.5	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS5	11:01:17	4.3	Middle	2	2	22.07	7.85	30.12	92.1	6.75	16.6	24.6	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS5	11:01:08	7.6	Bottom	3	1	22.06	7.85	30.14	92	6.74	16.2	25.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS5	11:01:35	7.6	Bottom	3	2	22.06	7.85	30.12	91.9	6.74	16.1	26.1	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS(MF)6	10:53:05	1.0	Surface	1	1	22.28	7.85	30.08	94.1	6.87	17.3	20.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS(MF)6	10:52:49	1.0	Surface	1	2	22.28	7.85	30.07	94.2	6.88	17.5	22	
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS(MF)6	10:52:56	2.2	Bottom	3	1	22.27	7.85	30.08	94	6.87	17.5	21.5	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS(MF)6	10:52:41	2.2	Bottom	3	2	22.27	7.85	30.08	94.3	6.89	17.8	21.4	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS7	10:45:57	1.0	Surface	1	1	22.28	7.84	29.97	92.3	6.75	22.5	22	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS7	10:46:15	1.0	Surface	1	2	22.28	7.85	29.97	92.2	6.74	22.6	21.3	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS7	10:46:06	2.2	Bottom	3	1	22.28	7.85	29.97	92.2	6.74	22.4	22.8	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS7	10:45:48	2.2	Bottom	3	2	22.26	7.84	29.97	92.1	6.74	22.1	22.6	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS8	10:20:41	1.0	Surface	1	1	22.25	7.83	29.68	88.1	6.45	10.6	12.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS8	10:21:05	1.0	Surface	1	2	22.3	7.83	29.6	90.3	6.61	10.4	11.4	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS8	10:20:34	3.1	Bottom	3	1	22.23	7.83	29.77	88.1	6.45	10.6	11.8	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS8	10:20:50	3.1	Bottom	3	2	22.23	7.83	29.77	89.1	6.53	10.3	11.6	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS(MF)9	10:38:33	1.0	Surface	1	1	22.18	7.84	29.81	92.6	6.79	15.2	12	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS(MF)9	10:38:14	1.0	Surface	1	2	22.18	7.84	29.81	92.7	6.8	15.2	13	
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS(MF)9	10:38:22	2.6	Bottom	3	1	22.14	7.84	29.82	92.5	6.78	15.3	13.7	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS(MF)9	10:38:05	2.6	Bottom	3	2	22.18	7.84	29.81	92.7	6.8	15.2	14.4	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS10	10:42:27	1.0	Surface	1	1	22.4	8.07	29.64	91	6.65	12	17.5	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS10	10:43:19	1.0	Surface	1	2	22.39	8.07	29.66	90.7	6.63	11.5	17.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS10	10:43:03	5.6	Middle	2	1	22.37	8.07	29.7	90.4	6.6	11.7	20.9	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS10	10:42:00	5.6	Middle	2	2	22.37	8.07	29.67	90.6	6.62	11.8	20.1	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS10	10:42:48	10.2	Bottom	3	1	22.37	8.07	29.7	90.4	6.61	12.8	20.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	IS10	10:41:46	10.2	Bottom	3	2	22.38	8.07	29.66	90.8	6.64	12.3	19.8	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR3	11:08:35	0.7	Middle	2	1	22.08	7.85	30.02	92.2	6.76	19.3	25.3	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR3	11:08:43	0.7	Middle	2	2	22.08	7.85	30.02	92.3	6.77	18.9	23.1	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR4	10:27:28	1.0	Surface	1	1	22.29	7.83	29.57	90.6	6.63	12.6	15.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR4	10:27:42	1.0	Surface	1	2	22.29	7.83	29.56	90.4	6.62	12.6	14.4	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR4	10:27:16	2.8	Bottom	3	1	22.28	7.83	29.56	90.8	6.66	12.5	14.1	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR4	10:27:35	2.8	Bottom	3	2	22.29	7.83	29.55	90.5	6.63	12.7	15.4	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR5	10:54:31	1.0	Surface	1	1	22.39	8.08	29.66	90.6	6.62	13.2	18.7	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR5	10:55:43	1.0	Surface	1	2	22.46	8.07	29.61	90.8	6.63	12.6	19.8	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR5	10:55:28	4.6	Bottom	3	1	22.37	8.08	29.71	90.4	6.61	13	19.1	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR5	10:54:15	4.6	Bottom	3	2	22.36	8.07	29.74	90.4	6.6	13.3	20	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10A	09:20:02	1.0	Surface	1	1	22.81	7.81	30.21	87.2	6.31	6.2	11.9	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10A	09:20:35	1.0	Surface	1	2	22.8	7.81	30.2	87.2	6.31	6.2	13.3	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10A	09:20:23	3.3	Middle	2	1	22.82	7.81	30.27	87	6.28	6.5	13.4	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10A	09:19:52	3.3	Middle	2	2	22.84	7.81	30.42	87	6.28	6.6	14	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10A	09:19:43	5.5	Bottom	3	1	22.84	7.8	30.58	87.3	6.29	6.8	12.8	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10A	09:20:11	5.5	Bottom	3	2	22.84	7.81	30.54	87.1	6.28	6.7	12.4	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10B	09:13:17	1.0	Surface	1	1	22.9	7.81	31.16	87.9	6.31	7.1	10.7	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10B	09:13:38	1.0	Surface	1	2	22.9	7.82	31.17	87	6.24	7.3	9.3	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10B	09:13:08	4.0	Bottom	3	1	22.9	7.81	31.16	88.7	6.37	7.2	9.9	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	SR10B	09:13:28	4.0	Bottom	3	2	22.9	7.82	31.17	87.2	6.26	7.2	10	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS2	12:08:28	1.0	Surface	1	1	22.77	8.07	29.08	90.8	6.62	5	6.3	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS2	12:09:06	1.0	Surface	1	2	22.74	8.07	29.13	90.9	6.62	5.3	6	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS2	12:08:12	3.4	Middle	2	1	22.52	8.07	29.56	90.5	6.6	8.2	8.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS2	12:08:55	3.4	Middle	2	2	22.5	8.07	29.61	90.6	6.61	7.8	8.4	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS2	12:08:00	5.7	Bottom	3	1	22.47	8.07	29.69	90.2	6.58	8.5	8.2	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS2	12:08:41	5.7	Bottom	3	2	22.5	8.07	29.66	90.2	6.58	8.1	8.8	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS(MF)5	09:52:15	1.0	Surface	1	1	22.74	7.84	29.93	86.7	6.29	8.9	8.6	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS(MF)5	09:51:23	1.0	Surface	1	2	22.75	7.83	29.97	86.8	6.29	9	8.6	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS(MF)5	09:51:12	6.3	Middle	2	1	22.89	7.83	30.67	86.6	6.24	11.4	6.1	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS(MF)5	09:52:03	6.3	Middle	2	2	22.88	7.83	30.63	86	6.19	11.4	6.4	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS(MF)5	09:51:04	11.6	Bottom	3	1	22.87	7.83	30.66	87	6.27	11.2	9.4	
HKLR	HY/2011/03	2013-11-22	Mid-Flood	Fine	CS(MF)5	09:51:52	11.6	Bottom	3	2	22.9	7.83	30.7	86.1	6.2	11.5	9.6	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS5	05:48:16	1.0	Surface	1	1	22.49	7.88	28.89	91.9	6.74	12.1	11	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS5	05:49:03	1.0	Surface	1	2	22.5	7.88	28.86	91.7	6.72	11.9	10.5	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS5	05:48:03	4.8	Middle	2	1	22.49	7.88	28.92	91.8	6.73	12.7	13.1	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS5	05:48:40	4.8	Middle	2	2	22.52	7.88	28.91	91.6	6.71	12.3	12.7	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS5	05:47:54	8.5	Bottom	3	1	22.49	7.88	28.91	91.9	6.73	12.6	12.3	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS5	05:48:31	8.5	Bottom	3	2	22.52	7.88	28.92	91.6	6.71	12.3	12.7	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS(MF)6	05:40:50	1.0	Surface	1	1	21.85	7.84	28.76	95.4	7.08	16.5	11	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS(MF)6	05:40:18	1.0	Surface	1	2	21.88	7.82	28.76	95	7.04	15.7	10.9	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS(MF)6	05:40:37	2.0	Bottom	3	1	21.92	7.83	28.83	95.5	7.07	17	11.8	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS(MF)6	05:40:03	2.0	Bottom	3	2	22.06	7.8	28.28	94.6	7.01	16.2	10.9	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS7	05:29:28	1.0	Surface	1	1	22.16	7.81	28.98	94.7	6.98	10.6	6.8	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS7	05:29:11	1.0	Surface	1	2	22.16	7.8	28.95	95.2	7.02	10.1	6.7	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS7	05:29:02	2.3	Bottom	3	1	22.16	7.79	29.06	95.7	7.04	13.4	18.5	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS7	05:29:17	2.3	Bottom	3	2	22.17	7.81	29.03	95.1	7	12.7	18.8	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS8	05:04:42	1.0	Surface	1	1	22.37	7.83	27.53	93	6.89	8.3	6.8	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS8	05:05:04	1.0	Surface	1	2	22.09	7.84	27.75	93.7	6.96	8.5	5.2	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS8	05:04:36	2.7	Bottom	3	1	22.43	7.81	29.08	93.8	6.87	11.7	21.8	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS8	05:04:52	2.7	Bottom	3	2	22.41	7.83	29.09	94.3	6.91	12	20.2	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS(MF)9	05:21:38	1.0	Surface	1	1	22.36	7.84	28.99	96.1	7.05	5.8	4.4	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS(MF)9	05:21:24	1.0	Surface	1	2	22.34	7.82	28.95	96.4	7.08	5.7	3.5	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS(MF)9	05:21:17	2.6	Bottom	3	1	22.37	7.82	29.08	96.9	7.11	6	6.8	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS(MF)9	05:21:32	2.6	Bottom	3	2	22.36	7.83	29.09	96.3	7.06	6	6.7	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS10	05:03:35	1.0	Surface	1	1	22.35	8.06	26.02	90.6	6.77	3.4	3.4	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS10	05:03:00	1.0	Surface	1	2	22.33	8.06	26.02	90.6	6.77	3.2	4.4	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS10	05:02:45	5.2	Middle	2	1	22.74	8.05	27.87	89.7	6.58	4.5	4.7	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS10	05:03:22	5.2	Middle	2	2	22.69	8.05	27.98	89.9	6.6	4.5	5.9	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS10	05:02:35	9.4	Bottom	3	1	22.79	8.02	30.81	91.2	6.57	4.4	5.8	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	IS10	05:03:11	9.4	Bottom	3	2	22.61	8.03	30.48	91.3	6.62	4.5	6.3	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR3	05:59:04	0.9	Middle	2	1	22.52	7.88	28.89	91.7	6.71	11.8	12.6	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR3	05:58:54	0.9	Middle	2	2	22.53	7.88	28.89	91.6	6.7	11.6	12.9	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR4	05:12:10	1.0	Surface	1	1	22.19	7.86	27.99	94.5	7	7.1	7.2	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR4	05:12:29	1.0	Surface	1	2	22.18	7.86	28.24	94.7	7.01	6.7	7.5	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR4	05:12:00	2.6	Bottom	3	1	22.32	7.85	29.06	94.9	6.97	8.9	10.1	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR4	05:12:19	2.6	Bottom	3	2	22.31	7.86	28.78	95	6.99	8	8.6	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR5	05:12:49	1.0	Surface	1	1	22.37	8.04	26.09	92.2	6.88	2.2	4.2	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR5	05:13:07	1.0	Surface	1	2	22.31	8.04	26.03	92.3	6.9	2.2	3.7	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR5	05:12:57	3.6	Bottom	3	1	22.38	8.04	26.26	92.5	6.89	2.2	8	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR5	05:12:41	3.6	Bottom	3	2	22.43	8.04	26.39	92.4	6.88	2.2	7.9	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10A	03:53:45	1.0	Surface	1	1	22.45	7.88	29.69	92.7	6.76	2.5	3.4	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10A	03:51:53	1.0	Surface	1	2	22.6	7.88	30.1	91.5	6.64	2.4	2.7	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10A	03:53:32	3.2	Middle	2	1	22.7	7.88	30.36	94.2	6.82	2.6	5	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10A	03:51:47	3.2	Middle	2	2	22.64	7.88	30.16	91.6	6.64	2.5	4.5	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10A	03:51:41	5.4	Bottom	3	1	22.65	7.87	30.22	91.7	6.65	2.6	5.6	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10A	03:53:21	5.4	Bottom	3	2	22.7	7.88	30.37	97.1	7.03	2.6	5.5	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10B	03:41:58	1.0	Surface	1	1	22.66	7.86	30.48	90.6	6.56	2.6	3.3	
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10B	03:42:19	1.0	Surface	1	2	22.67	7.86	30.56	90.1	6.52	2.6	3.3	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-25	Mid-Ebb	Fine	SR10B	03:41:41	4.6	Bottom	3	1	22.68	7.85	30.66	91.2	6.59	2.9	7.9	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR5	13:04:19	3.5	Bottom	3	1	22.56	8.08	27.97	93	6.84	4	9.5	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR5	13:03:55	3.5	Bottom	3	2	22.56	8.08	27.91	93.3	6.87	4	10.3	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10A	13:40:13	1.0	Surface	1	1	22.89	7.92	31.61	87.9	6.29	4.1	5	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10A	13:40:51	1.0	Surface	1	2	22.89	7.93	31.53	87.9	6.3	4.1	4.8	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10A	13:40:04	3.3	Middle	2	1	22.88	7.92	31.85	87.7	6.27	4.6	5.8	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10A	13:40:37	3.3	Middle	2	2	22.87	7.92	31.88	87.5	6.26	4.4	5.2	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10A	13:39:44	5.5	Bottom	3	1	22.87	7.92	31.97	88.1	6.3	4.8	4.7	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10A	13:40:26	5.5	Bottom	3	2	22.87	7.93	32	87.7	6.27	5.1	6.4	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10B	13:51:39	1.0	Surface	1	1	22.89	7.93	31.76	87.2	6.24	4.7	6.5	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10B	13:52:03	1.0	Surface	1	2	22.9	7.93	31.64	87.2	6.25	4.7	6.4	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10B	13:51:30	4.9	Bottom	3	1	22.87	7.93	31.96	87.1	6.23	5.5	6.4	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	SR10B	13:51:52	4.9	Bottom	3	2	22.87	7.93	31.95	86.9	6.22	5.4	6.9	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS2	11:37:01	1.0	Surface	1	1	22.55	8.16	26.56	93.1	6.91	2	4.2	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS2	11:37:43	1.0	Surface	1	2	22.54	8.14	26.53	92.5	6.87	2	5.9	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS2	11:37:27	3.9	Middle	2	1	22.55	8.15	27.28	91.2	6.74	3.1	4.7	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS2	11:36:48	3.9	Middle	2	2	22.54	8.16	27.39	92.2	6.81	3	4.7	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS2	11:37:14	6.8	Bottom	3	1	22.73	8.13	29.45	92.4	6.72	4.6	6	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS2	11:36:22	6.8	Bottom	3	2	22.77	8.17	28.99	93.6	6.82	4.7	5.7	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS(Mf)5	13:07:30	1.0	Surface	1	1	22.69	7.9	29.34	89.8	6.54	4.4	4.2	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS(Mf)5	13:08:12	1.0	Surface	1	2	22.71	7.9	29.41	89.4	6.51	4.7	4.1	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS(Mf)5	13:07:56	6.8	Middle	2	1	22.88	7.9	31.58	87.5	6.27	8.4	5.9	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS(Mf)5	13:07:12	6.8	Middle	2	2	22.88	7.89	31.59	87.6	6.28	8.7	5.1	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS(Mf)5	13:07:45	12.6	Bottom	3	1	22.87	7.89	31.61	89	6.38	7.9	4.6	
HKLR	HY/2011/03	2013-11-25	Mid-Flood	Sunny	CS(Mf)5	13:07:03	12.6	Bottom	3	2	22.87	7.89	31.62	88.7	6.36	8.2	5.6	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS5	08:43:07	1.0	Surface	1	1	22.27	7.87	30.15	92.5	6.76	5.8	5.8	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS5	08:43:35	1.0	Surface	1	2	22.23	7.91	29.87	92.6	6.78	5.5	7.1	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS5	08:43:27	4.7	Middle	2	1	22.53	7.9	30.59	92.9	6.73	6.3	5.7	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS5	08:43:02	4.7	Middle	2	2	22.48	7.88	30.41	92.4	6.71	6.3	6.8	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS5	08:42:54	8.3	Bottom	3	1	22.55	7.84	32.21	93	6.68	6.4	4.8	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS5	08:43:22	8.3	Bottom	3	2	22.53	7.89	32.36	93.1	6.68	6.4	5.7	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS(Mf)6	08:35:41	1.0	Surface	1	1	21.9	7.79	29.13	95.2	7.04	10.5	8.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS(Mf)6	08:35:32	1.0	Surface	1	2	21.9	7.74	29.12	95.2	7.04	10.7	9.4	
HKLR	HY/2011/03		Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS(Mf)6	08:35:25	2.4	Bottom	3	1	21.89	7.65	29.12	95.6	7.07	11.8	9.9	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS(Mf)6	08:35:37	2.4	Bottom	3	2	21.89	7.76	29.12	95.2	7.04	11.4	10.5	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS7	08:29:21	1.0	Surface	1	1	21.94	7.79	29.13	93.9	6.94	17.1	5.4	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS7	08:29:54	1.0	Surface	1	2	21.94	7.85	29.13	94.1	6.95	17.3	5.4	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS7	08:29:43	2.4	Bottom	3	1	21.94	7.82	29.14	93.9	6.94	19.8	7	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS7	08:29:14	2.4	Bottom	3	2	21.94	7.74	29.14	93.6	6.91	20	6.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS8	08:04:04	1.0	Surface	1	1	22.16	7.8	29.65	90	6.6	6.5	5.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS8	08:04:47	1.0	Surface	1	2	22.16	7.85	29.65	89.9	6.59	6.2	5.3	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS8	08:04:23	2.5	Bottom	3	1	22.26	7.82	29.89	90.1	6.59	9.1	4.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS8	08:03:49	2.5	Bottom	3	2	22.23	7.75	29.77	90	6.59	8.9	3.7	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS(Mf)9	08:23:29	1.0	Surface	1	1	21.87	7.78	29.24	94.9	7.02	7.2	5.1	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS(Mf)9	08:23:46	1.0	Surface	1	2	21.87	7.82	29.25	94.8	7.01	7.3	4.5	
HKLR	HY/2011/03		Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS(Mf)9	08:23:34	2.4	Bottom	3	1	21.86	7.79	29.24	94.9	7.02	7.5	6.9	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS(Mf)9	08:23:15	2.4	Bottom	3	2	21.86	7.7	29.24	95	7.03	7.5	7.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS10	07:04:32	1.0	Surface	1	1	22.19	8.15	30.62	93.1	6.79	2.6	5.2	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS10	07:05:10	1.0	Surface	1	2	22.2	8.15	30.63	92.9	6.77	2.6	4.5	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS10	07:04:23	5.2	Middle	2	1	22.27	8.15	30.77	93	6.77	2.7	6.1	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS10	07:05:01	5.2	Middle	2	2	22.25	8.16	30.75	92.6	6.74	2.6	4.5	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS10	07:04:14	9.4	Bottom	3	1	22.29	8.15	31.01	93	6.76	2.7	4.7	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	IS10	07:04:51	9.4	Bottom	3	2	22.33	8.15	31.22	92.6	6.72	2.8	4.6	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR3	08:53:59	0.6	Middle	2	1	22.08	7.9	29.9	94	6.9	4.9	5.4	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR3	08:54:03	0.6	Middle	2	2	22.09	7.9	29.9	94	6.9	5.1	4	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR4	08:15:41	1.0	Surface	1	1	22.16	7.87	29.64	90.4	6.64	5.5	5.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR4	08:16:11	1.0	Surface	1	2	22.17	7.88	29.66	90.6	6.65	5.3	5.1	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR4	08:15:50	2.4	Bottom	3	1	22.17	7.87	29.7	90.6	6.65	5.8	4.6	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR4	08:15:27	2.4	Bottom	3	2	22.17	7.86	29.69	90.5	6.64	5.9	5.1	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR5	07:15:49	1.0	Surface	1	1	22.18	8.15	30.6	92.8	6.77	2.3	5.8	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR5	07:15:30	1.0	Surface	1	2	22.18	8.15	30.6	92.8	6.77	2.3	6.4	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR5	07:15:19	3.6	Bottom	3	1	22.18	8.15	30.62	92.8	6.77	2.4	4	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR5	07:15:41	3.6	Bottom	3	2	22.17	8.15	30.61	92.8	6.77	2.3	5.4	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10A	07:00:57	1.0	Surface	1	1	22.49	7.94	31.87	89.8	6.46	2.1	2.1	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10A	07:00:10	1.0	Surface	1	2	22.51	7.92	31.9	89.9	6.47	1.9	2.9	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10A	07:00:39	3.3	Middle	2	1	22.57	7.93	32.04	89.6	6.44	2.2	4.1	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10A	07:00:00	3.3	Middle	2	2	22.58	7.92	32.04	89.6	6.44	2.1	3.7	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10A	07:00:28	5.6	Bottom	3	1	22.59	7.93	32.07	89.5	6.42	2.4	3.9	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10A	06:59:48	5.6	Bottom	3	2	22.58	7.91	32.05	89.7	6.44	2.3	4.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10B	06:50:21	1.0	Surface	1	1	22.6	7.93	31.99	89	6.39	2.3	2	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10B	06:50:01	1.0	Surface	1	2	22.61	7.93	31.96	89.4	6.42	2.3	2.3	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10B	06:49:49	4.5	Bottom	3	1	22.59	7.92	31.95	89.6	6.44	2.4	2	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	SR10B	06:50:09	4.5	Bottom	3	2	22.59	7.92	31.98	89.2	6.41	2.3	2.9	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS2	08:32:05	1.0	Surface	1	1	22.5	8.16	30.9	94.8	6.86	2.2	3.2	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS2	08:31:27	1.0	Surface	1	2	22.5	8.16	30.9	94.8	6.86	2.1	5	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS2	08:31:54	3.9	Middle	2	1	22.49	8.17	31.1	94.3	6.82	2.5	4.8	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS2	08:31:17	3.9	Middle	2	2	22.49	8.17	30.98	94.4	6.83	2.4	4.7	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS2	08:31:47	6.8	Bottom	3	1	22.49	8.16	31.61	94.4	6.81	2.5	3.6	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS2	08:31:05	6.8	Bottom	3	2	22.49	8.16	31.58	94.4	6.81	2.5	4.4	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS(MF)5	07:32:49	1.0	Surface	1	1	22.19	7.81	30.67	88.2	6.43	3.2	4.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS(MF)5	07:33:34	1.0	Surface	1	2	22.2	7.86	30.72	88.3	6.43	3.3	3.1	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS(MF)5	07:33:25	6.8	Middle	2	1	22.29	7.85	30.66	86.8	6.31	3.4	4.2	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS(MF)5	07:32:41	6.8	Middle	2	2	22.47	7.8	30.53	86.6	6.29	3.5	2.2	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS(MF)5	07:33:10	12.5	Bottom	3	1	22.76	7.84	31.7	86.5	6.21	3.6	4.3	
HKLR	HY/2011/03	2013-11-27	Mid-Ebb	Cloudy	CS(MF)5	07:32:31	12.5	Bottom	3	2	22.71	7.76	31.52	86.8	6.24	3.7	2.7	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS5	14:20:30	1.0	Surface	1	1	22.28	7.9	29.51	98.7	7.23	6.6	6.4	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS5	14:19:24	1.0	Surface	1	2	22.29	7.88	29.59	98.6	7.22	6.8	6.3	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS5	14:20:11	4.7	Middle	2	1	22.28	7.89	29.67	97.9	7.17	6.9	6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS5	14:19:13	4.7	Middle	2	2	22.31	7.88	29.78	97.5	7.13	7	6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS5	14:19:57	8.4	Bottom	3	1	22.31	7.89	30.18	97.3	7.1	7.4	6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS5	14:19:01	8.4	Bottom	3	2	22.31	7.86	30.33	97.3	7.09	7.5	5.9	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS(MF)6	14:26:24	1.0	Surface	1	1	22.28	7.87	29.28	99.1	7.27	10.8	19.4	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS(MF)6	14:26:07	1.0	Surface	1	2	22.26	7.81	29.29	98.5	7.23	11	19.3	
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS(MF)6	14:26:01	2.5	Bottom	3	1	22.26	7.76	29.28	98.2	7.21	12	21	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS(MF)6	14:26:16	2.5	Bottom	3	2	22.25	7.84	29.29	99	7.27	11.7	21	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS7	14:33:55	1.0	Surface	1	1	22.33	7.89	29.23	98.7	7.23	6.3	7.6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS7	14:33:25	1.0	Surface	1	2	22.22	7.82	29.28	98	7.2	6.1	7	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS7	14:33:35	2.5	Bottom	3	1	22.3	7.83	29.89	98	7.16	8.9	6.8	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS7	14:33:19	2.5	Bottom	3	2	22.18	7.76	29.3	97.7	7.18	8.6	6.1	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS8	14:56:44	1.0	Surface	1	1	22.67	7.88	30.08	87.3	6.33	7	3.5	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS8	14:56:10	1.0	Surface	1	2	22.62	7.87	29.71	87	6.33	7	5.3	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS8	14:56:00	2.5	Bottom	3	1	22.76	7.83	30.58	85.8	6.2	9.3	4.7	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS8	14:56:30	2.5	Bottom	3	2	22.77	7.85	30.62	86.4	6.23	9	6.8	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS(MF)9	14:39:29	1.0	Surface	1	1	22.54	7.84	29.9	96.4	7.01	13.6	5.9	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS(MF)9	14:40:01	1.0	Surface	1	2	22.55	7.9	29.89	96.6	7.03	13.4	7.5	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS(MF)9	14:39:19	2.5	Bottom	3	1	22.5	7.76	30.1	96.2	7	14.6	7.8	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS(MF)9	14:39:51	2.5	Bottom	3	2	22.51	7.87	30.11	96.4	7.01	14.9	7.3	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS10	14:48:15	1.0	Surface	1	1	22.85	8.19	29.99	96	6.94	2.4	2.1	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS10	14:49:06	1.0	Surface	1	2	22.85	8.19	29.99	95.4	6.9	2.4	2.7	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS10	14:48:04	5.1	Middle	2	1	22.6	8.19	30.53	94.6	6.86	3.1	3.4	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS10	14:48:54	5.1	Middle	2	2	22.58	8.19	30.58	93.3	6.76	3.2	2.8	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS10	14:48:42	9.2	Bottom	3	1	22.43	8.18	31	93	6.74	3.4	8.3	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	IS10	14:47:53	9.2	Bottom	3	2	22.57	8.18	30.65	95.3	6.9	3.3	7.6	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR3	14:08:05	0.7	Middle	2	1	22.29	7.75	29.56	98.6	7.22	7	7.3	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR3	14:08:02	0.7	Middle	2	2	22.28	7.72	29.53	98.6	7.23	7.1	5.6	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR4	14:50:42	1.0	Surface	1	1	22.69	7.88	30	92.9	6.74	5.8	3.6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR4	14:50:53	1.0	Surface	1	2	22.69	7.89	29.98	94.4	6.84	5.7	3.2	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR4	14:50:48	2.5	Bottom	3	1	22.68	7.88	30.02	92.7	6.72	6.6	6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR4	14:50:28	2.5	Bottom	3	2	22.69	7.87	30.03	92.8	6.73	6.5	4	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR5	14:39:18	1.0	Surface	1	1	22.89	8.19	29.95	97.9	7.08	2.4	3.7	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR5	14:38:56	1.0	Surface	1	2	22.88	8.19	29.94	98.1	7.09	2.5	2.2	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR5	14:38:46	3.5	Bottom	3	1	22.89	8.19	30	98.1	7.09	2.6	3.8	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR5	14:39:06	3.5	Bottom	3	2	22.9	8.19	30.01	97.9	7.08	2.5	2.5	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10A	15:59:28	1.0	Surface	1	1	22.5	7.91	31.66	91.2	6.57	2.8	3.9	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10A	16:00:20	1.0	Surface	1	2	22.51	7.94	31.69	91.4	6.55	2.5	3.3	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10A	15:59:15	3.3	Middle	2	1	22.6	7.9	32.13	90.4	6.49	3.2	5.1	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10A	16:00:08	3.3	Middle	2	2	22.56	7.92	31.97	91.1	6.57	2.8	4	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10A	15:58:52	5.6	Bottom	3	1	22.59	7.83	32.16	90.4	6.48	3.3	6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10A	15:59:53	5.6	Bottom	3	2	22.62	7.93	32.25	90.4	6.48	3.2	5.3	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10B	16:11:41	1.0	Surface	1	1	22.47	7.94	31.41	91.2	6.59	2.3	4.1	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10B	16:11:07	1.0	Surface	1	2	22.47	7.94	31.28	91.1	6.58	2.6	2.6	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10B	16:11:25	4.5	Bottom	3	1	22.59	7.93	32.19	91	6.53	2.8	4.9	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	SR10B	16:10:54	4.5	Bottom	3	2	22.59	7.93	32.16	91.2	6.54	2.9	7.1	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS2	13:07:56	1.0	Surface	1	1	22.66	8.24	29.95	95	6.9	4.9	2	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS2	13:07:20	1.0	Surface	1	2	22.7	8.26	29.89	96.2	6.98	5	2.7	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS2	13:07:02	4.1	Middle	2	1	22.55	8.27	30.72	94.8	6.87	5.5	5.7	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS2	13:07:45	4.1	Middle	2	2	22.51	8.24	30.75	94.5	6.85	5.5	6.9	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS2	13:07:30	7.1	Bottom	3	1	22.55	8.25	30.64	95.8	6.94	5.6	5.2	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS2	13:06:36	7.1	Bottom	3	2	22.45	8.32	31.04	96.3	6.97	5.3	5.7	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS(MF)5	15:27:56	1.0	Surface	1	1	22.52	7.89	31.03	91.1	6.59	2.4	6.1	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS(MF)5	15:28:51	1.0	Surface	1	2	22.53	7.92	31.04	91.3	6.6	2.2	5.2	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS(MF)5	15:28:40	6.8	Middle	2	1	22.53	7.91	31.08	90.3	6.53	2.4	5.1	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS(MF)5	15:27:47	6.8	Middle	2	2	22.53	7.88	31.1	90	6.51	2.5	3.6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS(MF)5	15:28:22	12.5	Bottom	3	1	22.59	7.91	31.49	89.4	6.44	2.6	6	
HKLR	HY/2011/03	2013-11-27	Mid-Flood	Cloudy	CS(MF)5	15:27:41	12.5	Bottom	3	2	22.54	7.86	31.21	89.4	6.46	2.7	5.6	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS5	10:52:33	1.0	Surface	1	1	20.74	7.97	30.54	95.1	7.12	5.4	8.8	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS5	10:52:57	1.0	Surface	1	2	20.74	7.97	30.54	95	7.11	5.6	7.9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS5	10:52:25	4.2	Middle	2	1	20.88	7.97	30.75	94.9	7.08	6.2	8.4	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS5	10:52:50	4.2	Middle	2	2	20.86	7.97	30.74	94.8	7.08	6.4	8.1	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS5	10:52:17	7.4	Bottom	3	1	20.95	7.97	31.16	95.6	7.11	6.1	7.1	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS5	10:52:42	7.4	Bottom	3	2	20.83	7.97	31	95.3	7.11	6.2	7.4	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS(MF)6	10:44:24	1.0	Surface	1	1	20.5	7.94	30.41	96.5	7.27	9.2	11.5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS(MF)6	10:44:54	1.0	Surface	1	2	20.5	7.96	30.41	96.3	7.25	9.3	11.9	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS(MF)6	10:44:16	2.2	Bottom	3	1	20.51	7.94	30.42	96.6	7.27	9.4	12.3	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS(MF)6	10:44:36	2.2	Bottom	3	2	20.5	7.94	30.43	96.3	7.25	9.5	11.7	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS7	10:38:21	1.0	Surface	1	1	20.56	7.95	30.52	97.3	7.32	8.4	12.6	

Water Quarterly 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	Site Observation
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS7	10:38:40	1.0	Surface	1	2	20.55	7.95	30.52	96.7	7.27	8.3	12.2	
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS7	10:38:31	2.2	Bottom	3	1	20.56	7.95	30.54	97.1	7.3	8.1	13.8	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS7	10:38:13	2.2	Bottom	3	2	20.56	7.94	30.53	97.8	7.35	8.4	12.9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS8	10:09:56	1.0	Surface	1	1	20.51	7.95	31.05	94.6	7.1	7.3	9.2	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS8	10:09:38	1.0	Surface	1	2	20.48	7.95	31.09	94.6	7.1	7.2	8.2	
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS8	10:09:47	3.0	Bottom	3	1	20.48	7.95	31.14	94.3	7.07	7.4	7.4	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS8	10:09:30	3.0	Bottom	3	2	20.46	7.95	31.16	94.4	7.08	7.1	7	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS(MF)9	10:28:02	1.0	Surface	1	1	20.64	7.93	30.68	95.1	7.13	9.3	11.8	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS(MF)9	10:27:47	1.0	Surface	1	2	20.64	7.93	30.68	95.1	7.13	9.4	10.7	
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS(MF)9	10:27:53	2.7	Bottom	3	1	20.64	7.93	30.7	95.1	7.13	9.5	11.6	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS(MF)9	10:27:37	2.7	Bottom	3	2	20.65	7.93	30.72	95.2	7.13	9.8	11.5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS10	09:54:58	1.0	Surface	1	1	21.63	8.14	32.55	91.6	6.68	3.7	8.2	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS10	09:55:49	1.0	Surface	1	2	21.62	8.14	32.53	91.1	6.64	3.8	6.9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS10	09:54:44	5.4	Middle	2	1	21.64	8.14	32.57	91.6	6.67	3.8	7.8	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS10	09:55:34	5.4	Middle	2	2	21.65	8.14	32.56	90.8	6.62	4.1	9.9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS10	09:54:32	9.8	Bottom	3	1	21.64	8.14	32.57	91.7	6.68	5.3	11.3	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	IS10	09:55:27	9.8	Bottom	3	2	21.64	8.15	32.57	90.9	6.62	5	11	
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR3	11:02:46	0.7	Middle	2	1	20.71	7.97	30.47	96.1	7.2	5.2	7.8	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR3	11:02:53	0.7	Middle	2	2	20.72	7.97	30.47	96.1	7.2	5.1	6.5	
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR4	10:15:58	1.0	Surface	1	1	19.86	7.92	29.79	92.1	7.04	3.8	5.2	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR4	10:15:41	1.0	Surface	1	2	20.06	7.91	29.89	92.2	7.02	3.7	5.1	
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR4	10:15:35	2.7	Bottom	3	1	19.96	7.91	30.06	92.7	7.07	3.7	7.1	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR4	10:15:47	2.7	Bottom	3	2	19.91	7.91	29.89	92.1	7.03	3.7	5.9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR5	10:06:15	1.0	Surface	1	1	21.6	8.15	32.5	91	6.64	3.7	8.5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR5	10:05:44	1.0	Surface	1	2	21.6	8.14	32.51	90.8	6.62	4	8	
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR5	10:05:53	4.6	Bottom	3	1	21.6	8.14	32.51	90.7	6.61	3.9	9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR5	10:05:28	4.6	Bottom	3	2	21.63	8.14	32.54	90.7	6.61	4.3	9.2	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10A	09:05:37	1.0	Surface	1	1	21.93	7.98	32.92	92.1	6.66	2.9	6	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10A	09:06:06	1.0	Surface	1	2	21.92	7.99	32.93	91.9	6.65	3	6.4	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10A	09:05:57	3.2	Middle	2	1	21.92	7.98	32.96	91.8	6.64	3	7	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10A	09:05:28	3.2	Middle	2	2	21.94	7.97	32.95	92	6.65	2.9	6.9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10A	09:05:18	5.3	Bottom	3	1	21.93	7.97	32.97	92.1	6.66	2.9	8	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10A	09:05:48	5.3	Bottom	3	2	21.93	7.98	32.97	91.8	6.64	2.9	6	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10B	08:57:16	1.0	Surface	1	1	21.87	7.92	32.84	91.9	6.65	2.7	4.9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10B	08:56:59	1.0	Surface	1	2	21.87	7.91	32.83	92.2	6.68	2.6	6.5	
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10B	08:56:53	4.2	Bottom	3	1	21.87	7.91	32.84	92.3	6.68	2.7	10.5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	SR10B	08:57:08	4.2	Bottom	3	2	21.87	7.92	32.86	91.9	6.66	2.7	9.5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS2	11:21:05	1.0	Surface	1	1	21.22	8.16	32.35	92.8	6.82	3.5	6.1	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS2	11:22:04	1.0	Surface	1	2	21.22	8.16	32.35	92.9	6.83	3.3	6.5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS2	11:21:46	3.5	Middle	2	1	21.22	8.16	32.36	92.6	6.81	3.4	6.5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS2	11:20:49	3.5	Middle	2	2	21.23	8.16	32.36	92.7	6.81	3.8	5.8	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS2	11:21:32	6.0	Bottom	3	1	21.23	8.16	32.36	92.5	6.8	3.5	7.9	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS2	11:20:37	6.0	Bottom	3	2	21.23	8.16	32.36	92.4	6.79	3.6	7.1	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS(MF)5	09:38:03	1.0	Surface	1	1	21.96	7.99	32.95	91.3	6.59	2.8	5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS(MF)5	09:38:46	1.0	Surface	1	2	21.96	8	32.93	90.9	6.57	2.8	6.2	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS(MF)5	09:38:34	6.2	Middle	2	1	21.95	7.99	33	90.6	6.55	2.8	5	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS(MF)5	09:37:50	6.2	Middle	2	2	21.95	7.99	33	90.9	6.56	2.9	4.8	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS(MF)5	09:38:23	11.4	Bottom	3	1	21.96	7.99	33.02	90.5	6.54	2.9	6	
HKLR	HY/2011/03	2013-11-29	Mid-Ebb	Sunny	CS(MF)5	09:37:40	11.4	Bottom	3	2	21.96	7.98	33.02	90.8	6.56	2.9	7.4	

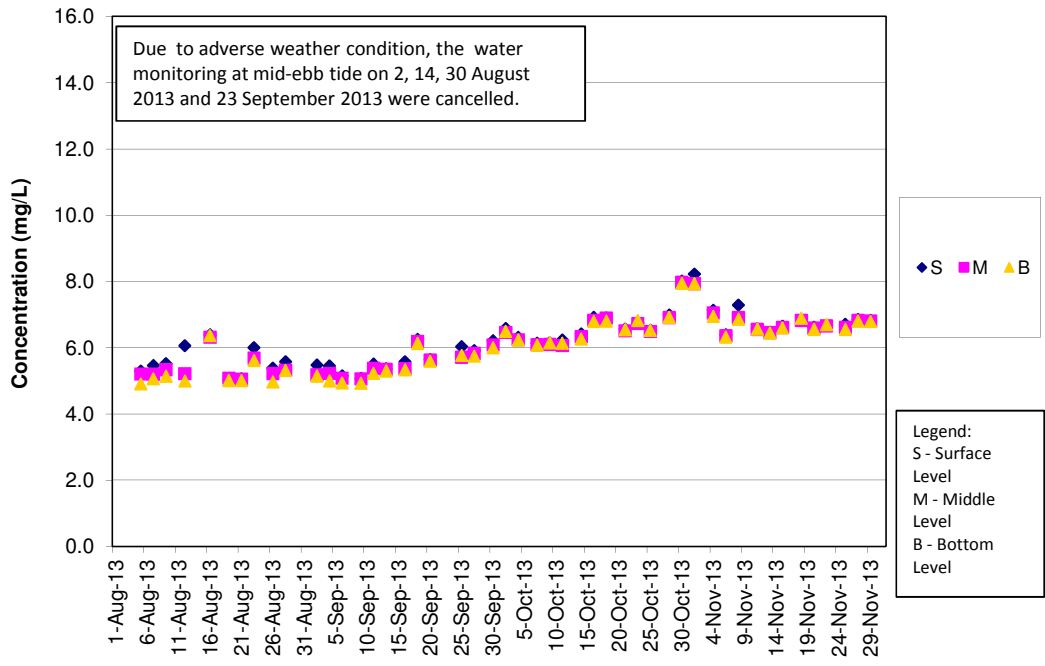
Water Quarterly Monitoring Data

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	Site Observation
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS5	14:53:05	1.0	Surface	1	1	20.68	7.97	30.17	97.7	7.34	10.3	12.9	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS5	14:52:36	1.0	Surface	1	2	20.68	7.97	30.18	97.8	7.35	10.3	12.8	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS5	14:52:56	4.3	Middle	2	1	20.68	7.97	30.2	97.5	7.33	10.8	16	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS5	14:52:27	4.3	Middle	2	2	20.69	7.97	30.22	97.5	7.33	10.4	16.7	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS5	14:52:45	7.5	Bottom	3	1	20.68	7.97	30.22	97.5	7.33	10.3	17.9	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS5	14:52:19	7.5	Bottom	3	2	20.7	7.97	30.26	97.6	7.33	10.6	15.7	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS(MF)6	15:00:39	1.0	Surface	1	1	20.83	7.97	30.32	100.6	7.53	11.1	12.5	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS(MF)6	15:00:55	1.0	Surface	1	2	20.83	7.97	30.32	100.5	7.52	11.1	12.3	
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)6			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS(MF)6	15:00:46	2.2	Bottom	3	1	20.83	7.97	30.33	100.5	7.53	11.3	13.3	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS(MF)6	15:00:33	2.2	Bottom	3	2	20.83	7.97	30.33	100.6	7.53	11.3	14.4	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS7	15:07:35	1.0	Surface	1	1	20.65	7.94	30.25	98.4	7.39	13.4	17.2	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS7	15:07:53	1.0	Surface	1	2	20.65	7.95	30.26	98	7.36	13.3	16.1	
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS7	15:07:24	2.2	Bottom	3	1	20.64	7.94	30.27	98.5	7.4	14	17.1	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS7	15:07:41	2.2	Bottom	3	2	20.65	7.95	30.26	98.1	7.37	13.4	15.8	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS8	15:32:26	1.0	Surface	1	1	20.95	7.95	31.17	97.4	7.24	12.8	10.8	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS8	15:32:44	1.0	Surface	1	2	20.95	7.96	31.14	96.8	7.2	12.6	9.4	
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS8	15:32:17	3.1	Bottom	3	1	20.97	7.95	31.38	97.9	7.26	14.2	12.2	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS8	15:32:35	3.1	Bottom	3	2	20.96	7.95	31.41	97.1	7.21	14.4	11.3	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS(MF)9	15:14:22	1.0	Surface	1	1	20.96	7.94	30.66	94.6	7.05	16.7	10.6	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS(MF)9	15:14:39	1.0	Surface	1	2	20.95	7.95	30.63	95	7.08	16.3	10.4	
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		IS(MF)9			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS(MF)9	15:14:13	2.7	Bottom	3	1	20.97	7.93	30.98	95	7.07	16.5	12	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS(MF)9	15:14:29	2.7	Bottom	3	2	20.95	7.94	30.82	95	7.08	16.4	12.6	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS10	15:59:27	1.0	Surface	1	1	21.48	8.17	32.27	92.4	6.76	3.7	6.5	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS10	16:00:08	1.0	Surface	1	2	21.46	8.17	32.24	93.1	6.82	3.4	5.1	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS10	15:59:17	5.5	Middle	2	1	21.53	8.17	32.38	91.7	6.7	4.3	7.5	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS10	15:59:52	5.5	Middle	2	2	21.52	8.17	32.37	92.1	6.73	4.2	6.2	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS10	15:59:05	9.9	Bottom	3	1	21.56	8.17	32.47	92.2	6.73	4.6	7.1	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	IS10	15:59:43	9.9	Bottom	3	2	21.53	8.17	32.41	92.3	6.74	5	6.7	
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR3	14:40:17	0.7	Middle	2	1	20.71	7.97	30.24	99.9	7.5	9.6	12.4	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR3	14:40:11	0.7	Middle	2	2	20.7	7.97	30.23	100.2	7.52	9.6	12	
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03		Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR4	15:26:53	1.0	Surface	1	1	20.81	7.94	30.43	100.3	7.51	5.3	8.5	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR4	15:26:37	1.0	Surface	1	2	20.76	7.93	30.45	102.6	7.69	5.2	9.6	
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR4	15:26:44	2.7	Bottom	3	1	20.79	7.93	30.65	101.5	7.59	5.1	8.6	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR4	15:26:28	2.7	Bottom	3	2	20.69	7.92	30.53	103.2	7.74	5.5	8.7	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR5	15:47:37	1.0	Surface	1	1	21.49	8.17	32.29	94.4	6.9	3.4	6.6	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR5	15:48:02	1.0	Surface	1	2	21.49	8.17	32.3	93.9	6.87	3.4	6.3	
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR5	15:47:50	4.5	Bottom	3	1	21.53	8.16	32.38	94	6.87	3.5	7.1	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR5	15:47:24	4.5	Bottom	3	2	21.52	8.17	32.37	94.5	6.91	3.7	7.4	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10A	16:41:19	1.0	Surface	1	1	21.91	7.99	32.9	91.7	6.64	3.5	5.4	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10A	16:41:47	1.0	Surface	1	2	21.92	7.99	32.91	91.5	6.62	3.4	6.3	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10A	16:41:09	3.3	Middle	2	1	21.92	7.99	32.94	91.8	6.64	3.5	6.3	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10A	16:41:39	3.3	Middle	2	2	21.93	7.99	32.94	91.4	6.61	3.5	7.5	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10A	16:41:02	5.5	Bottom	3	1	21.91	7.99	32.95	91.8	6.64	3.6	6	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10A	16:41:28	5.5	Bottom	3	2	21.92	7.99	32.94	91.4	6.61	3.6	6.4	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10B	16:51:28	1.0	Surface	1	1	21.93	8	32.89	91.1	6.59	3.6	7	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10B	16:51:07	1.0	Surface	1	2	21.92	8	32.89	91.1	6.59	3.6	6.2	
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03		Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10B	16:50:57	4.4	Bottom	3	1	21.93	8	32.92	91.1	6.58	3.6	7.3	

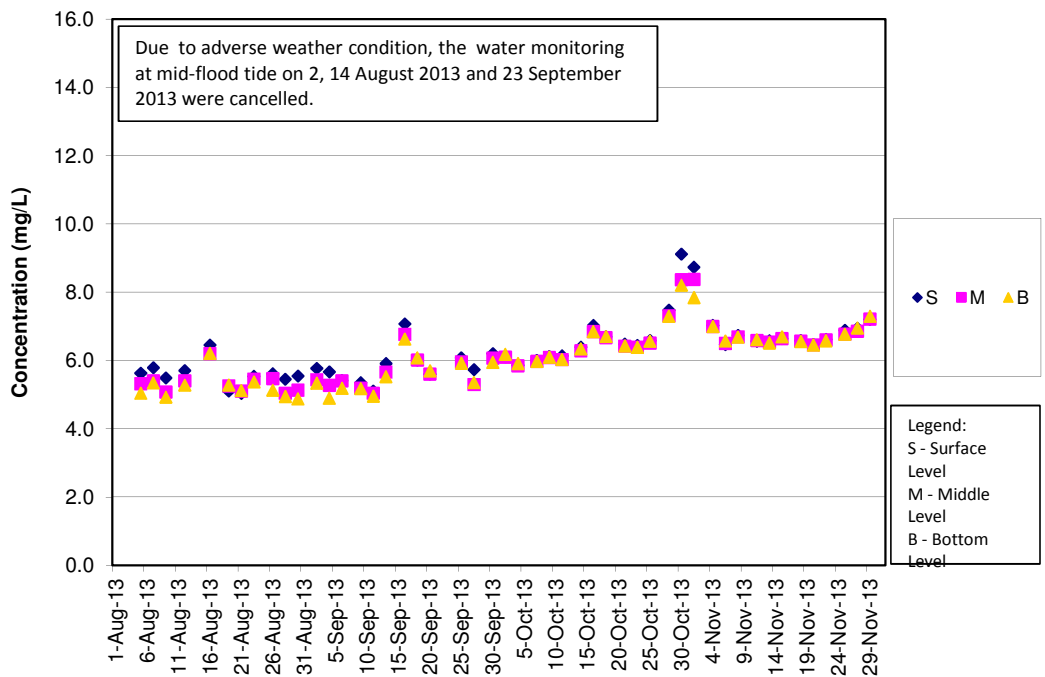
Water Quarterly Monitoring Data

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	Site Observation
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	SR10B	16:51:16	4.4	Bottom	3	2	21.93	8	32.92	90.9	6.57	3.5	5.5	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS2	14:24:45	1.0	Surface	1	1	21.55	8.27	32.32	97.7	7.14	2.1	8	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS2	14:24:02	1.0	Surface	1	2	21.55	8.27	32.34	99.7	7.28	2.2	8.1	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS2	14:23:47	3.3	Middle	2	1	21.59	8.27	32.42	100.5	7.33	2.6	7.6	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS2	14:24:32	3.3	Middle	2	2	21.6	8.27	32.38	97.3	7.1	2.3	7.6	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS2	14:23:37	5.5	Bottom	3	1	21.66	8.26	32.55	102.4	7.46	2.9	6.1	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS2	14:24:19	5.5	Bottom	3	2	21.65	8.26	32.46	98	7.14	3	5.9	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS(Mf)5	16:07:03	1.0	Surface	1	1	21.89	7.98	32.78	91.5	6.62	4.4	7.9	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS(Mf)5	16:07:41	1.0	Surface	1	2	21.89	7.98	32.77	91.5	6.63	4.2	7.2	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS(Mf)5	16:07:29	6.5	Middle	2	1	21.89	7.98	32.85	91.2	6.6	4.4	7.5	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS(Mf)5	16:06:54	6.5	Middle	2	2	21.9	7.98	32.85	91.1	6.59	4.3	6.9	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS(Mf)5	16:06:44	11.9	Bottom	3	1	21.9	7.97	32.86	91.4	6.61	4.3	7.1	
HKLR	HY/2011/03	2013-11-29	Mid-Flood	Sunny	CS(Mf)5	16:07:18	11.9	Bottom	3	2	21.89	7.98	32.87	91	6.59	4.2	7.1	

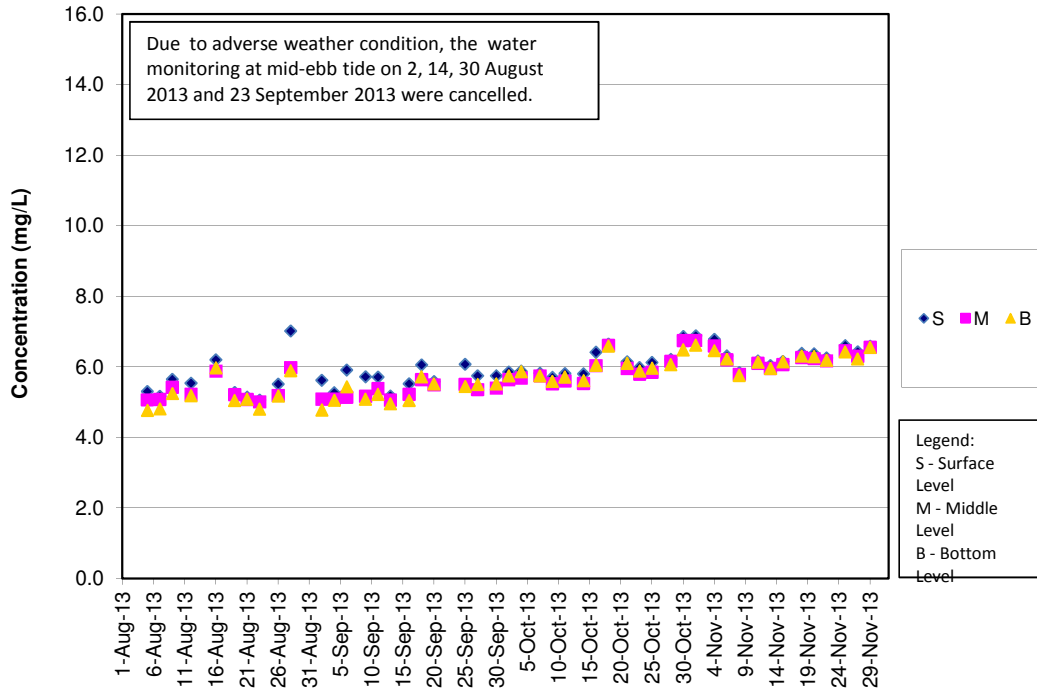
DO Concentrations at Station CS2 (Mid Ebb)



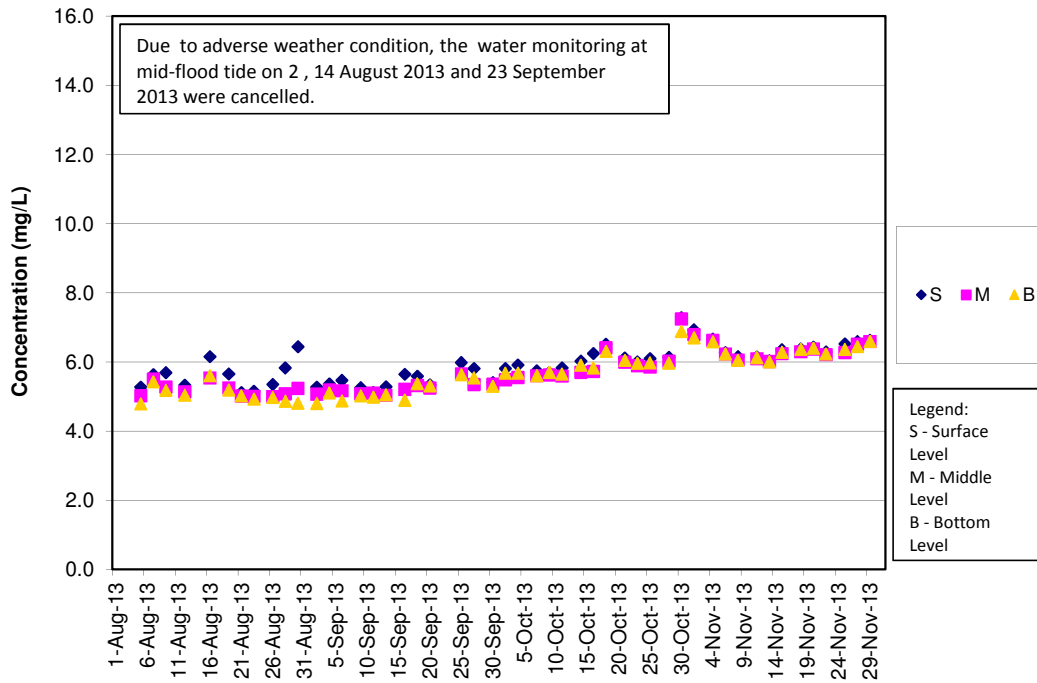
DO Concentrations at Station CS2 (Mid Flood)



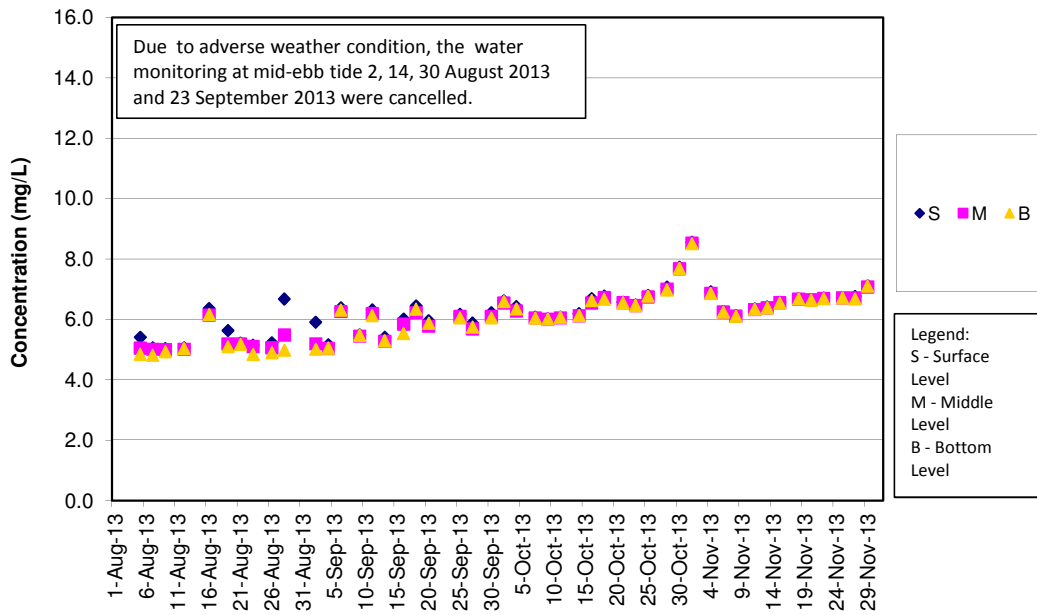
DO Concentrations at Station CS(Mf)5 (Mid Ebb)



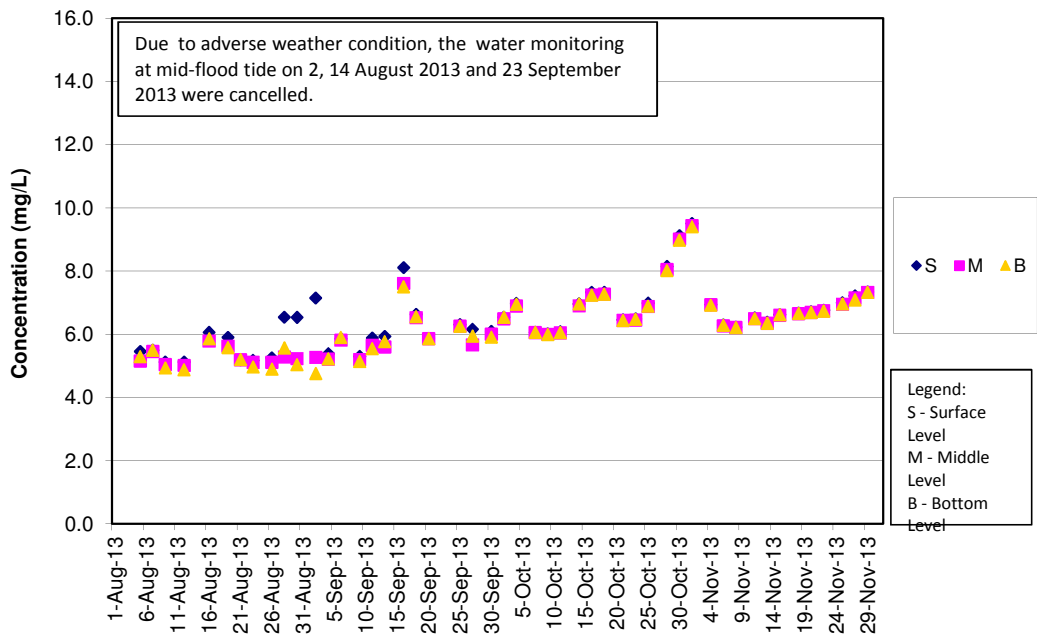
DO Concentrations at Station CS(Mf)5 (Mid Flood)



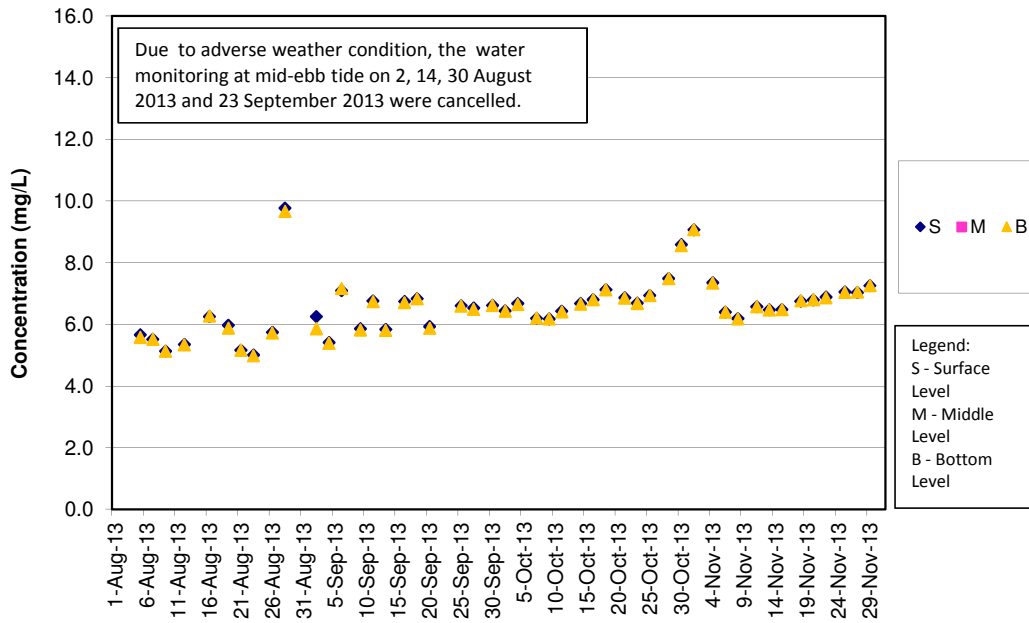
DO Concentrations at Station IS5 (Mid Ebb)



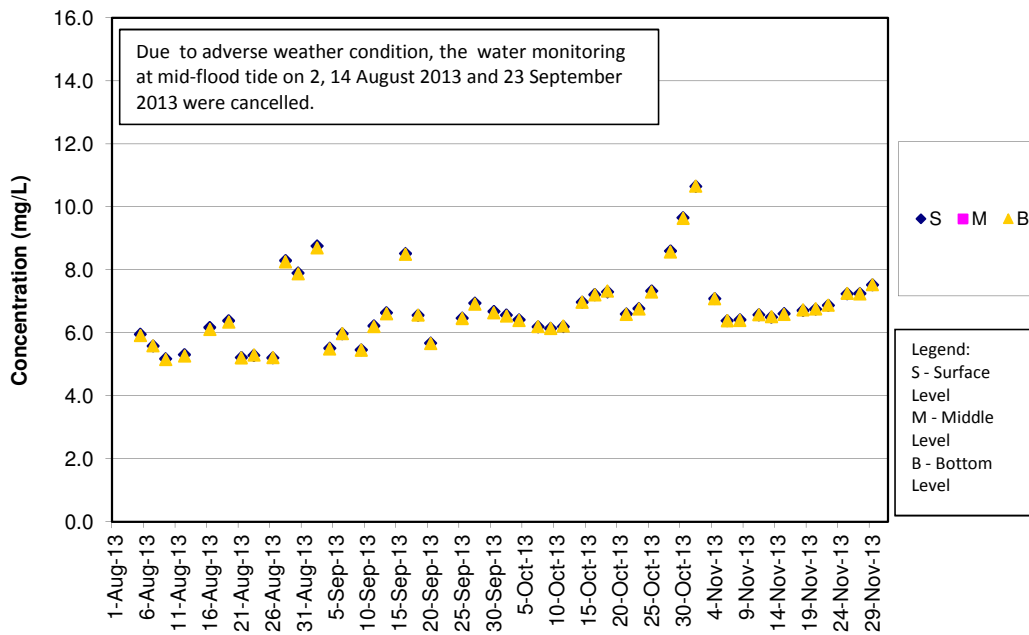
DO Concentrations at Station IS5 (Mid Flood)



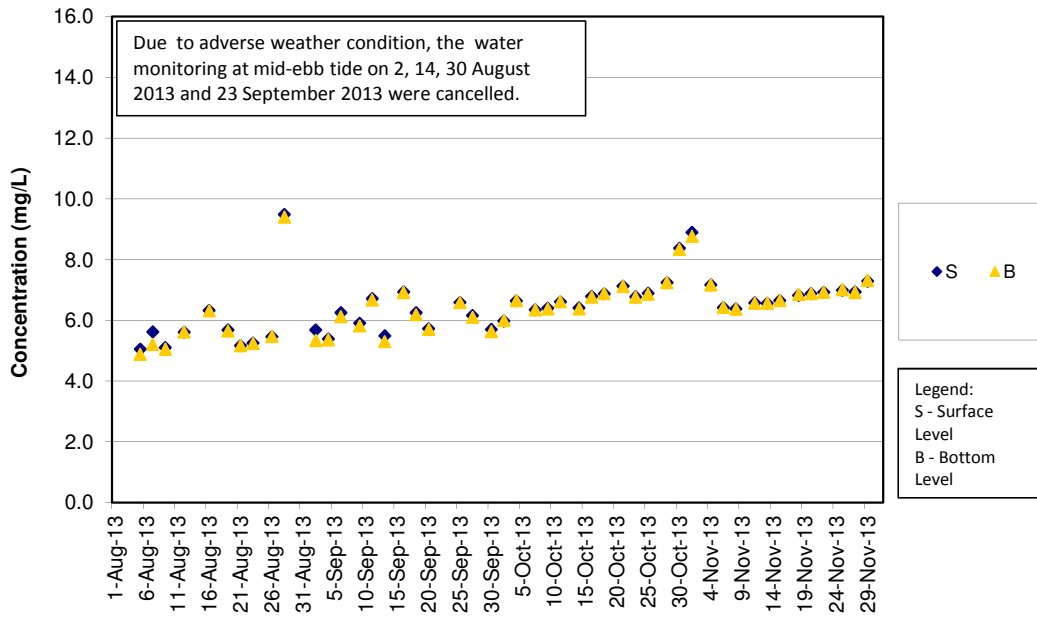
DO Concentrations at Station IS(Mf)6 (Mid Ebb)



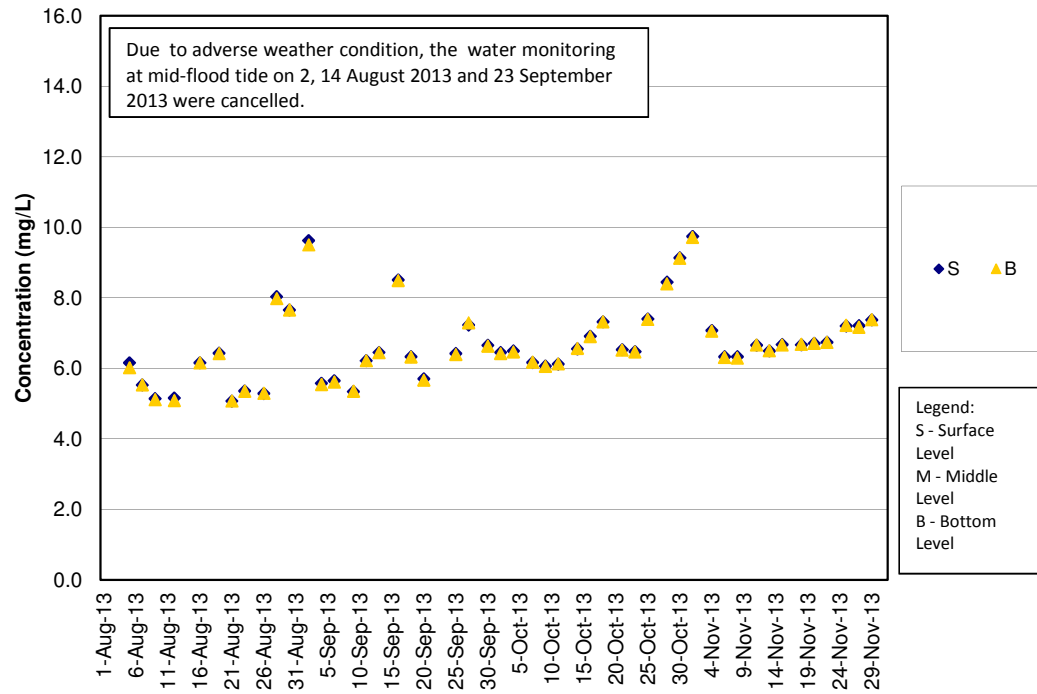
DO Concentrations at Station IS(Mf)6 (Mid Flood)



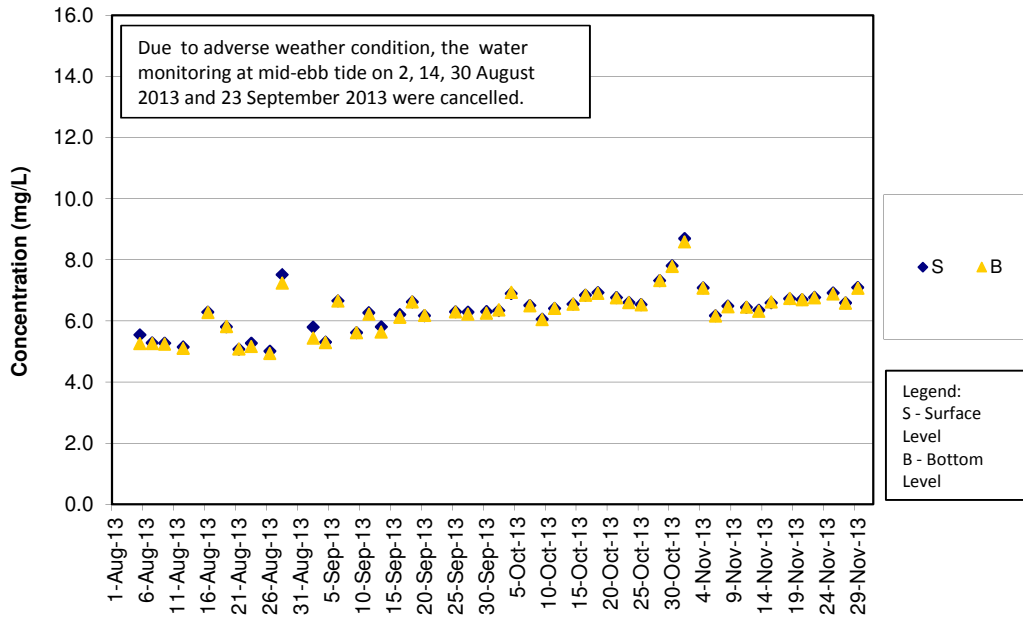
DO Concentrations at Station IS7 (Mid Ebb)



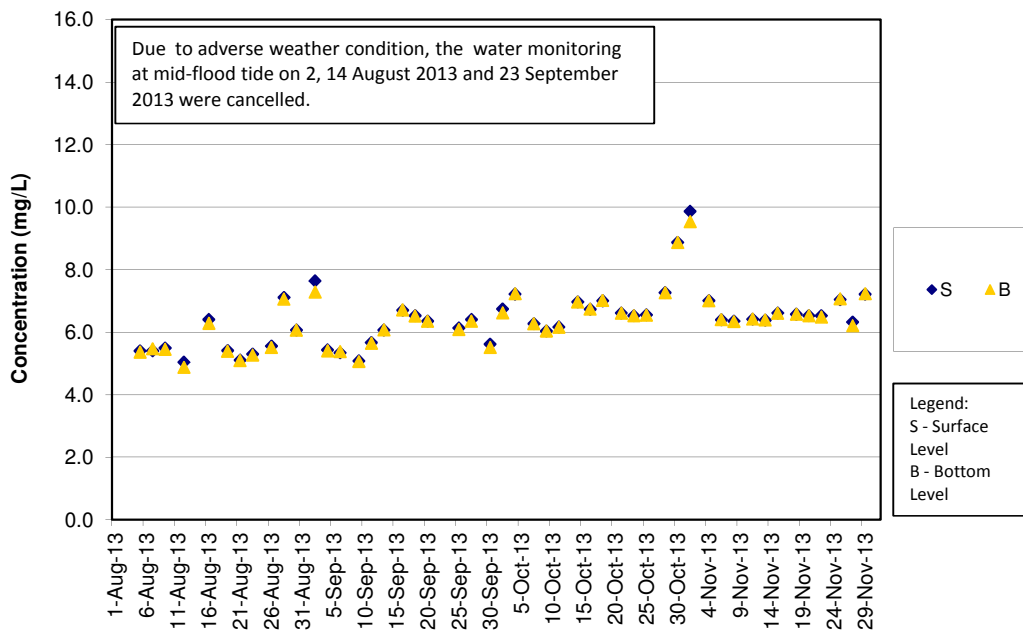
DO Concentrations at Station IS7 (Mid Flood)



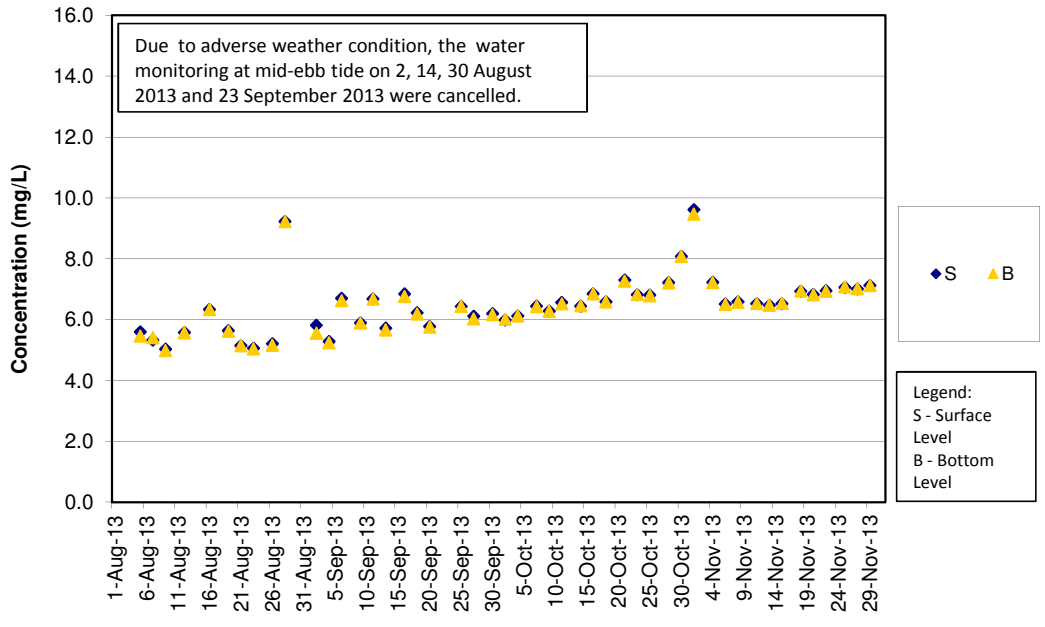
DO Concentrations at Station IS8 (Mid Ebb)



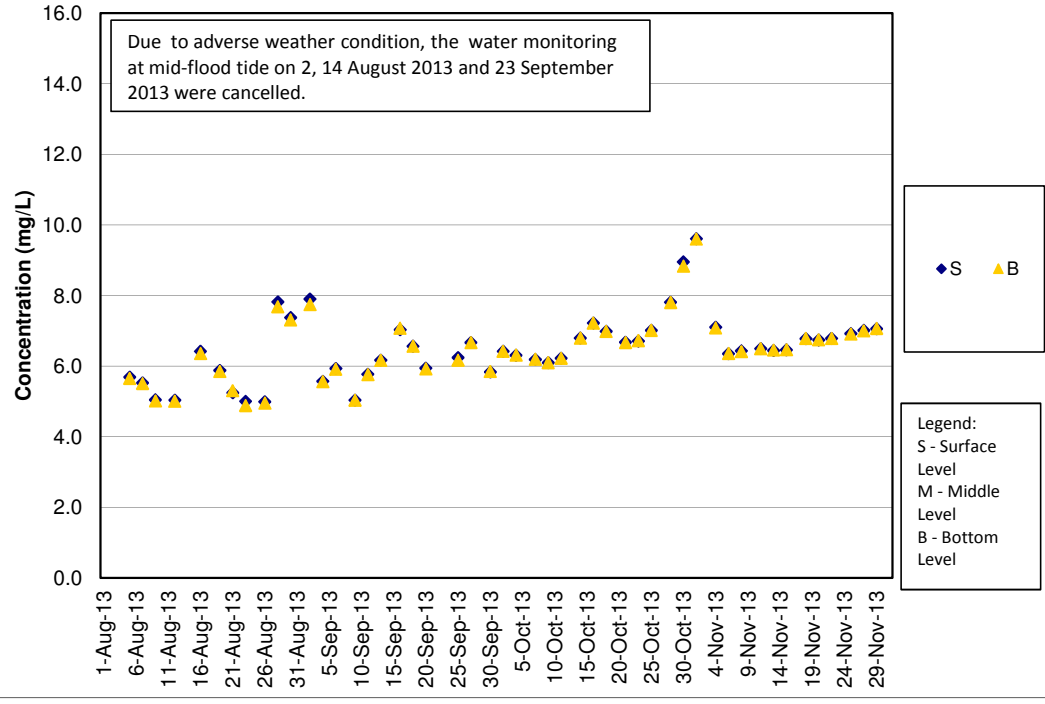
DO Concentrations at Station IS8 (Mid Flood)



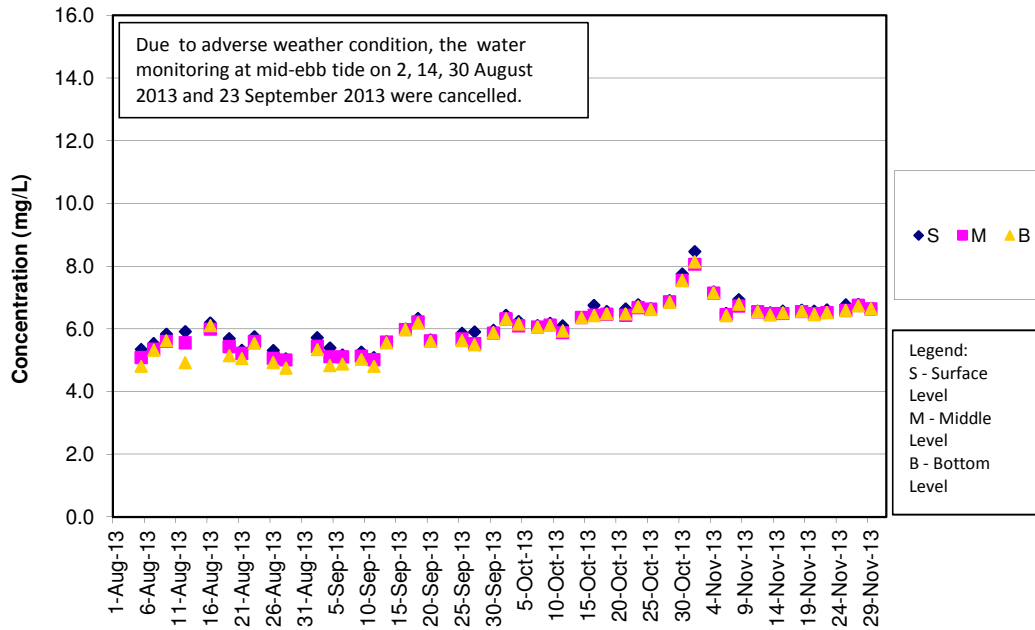
DO Concentrations at Station IS(Mf)9 (Mid Ebb)



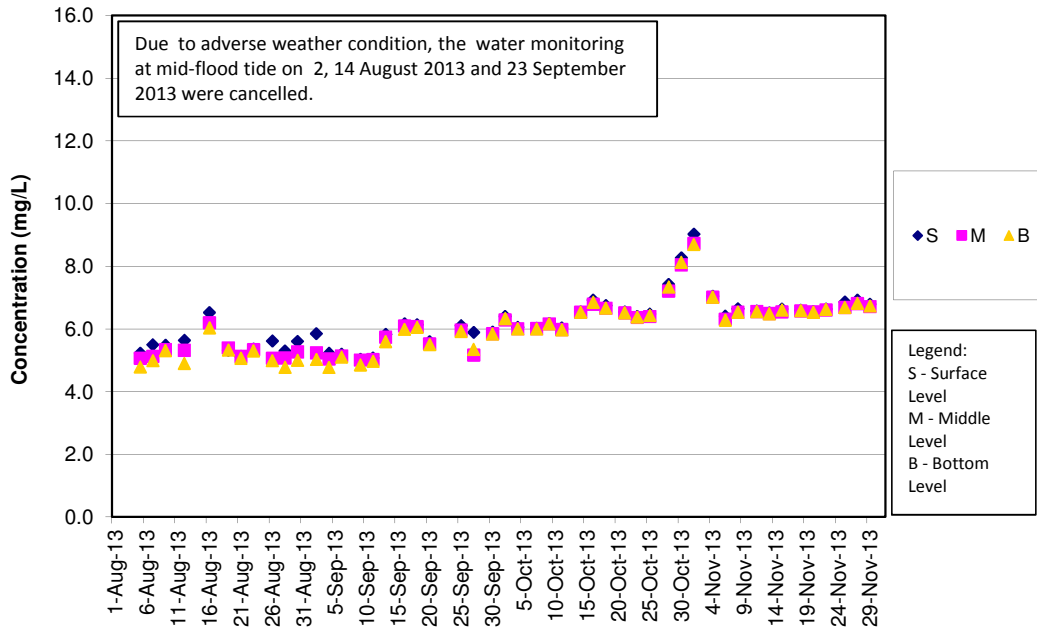
DO Concentrations at Station IS(Mf)9 (Mid Flood)



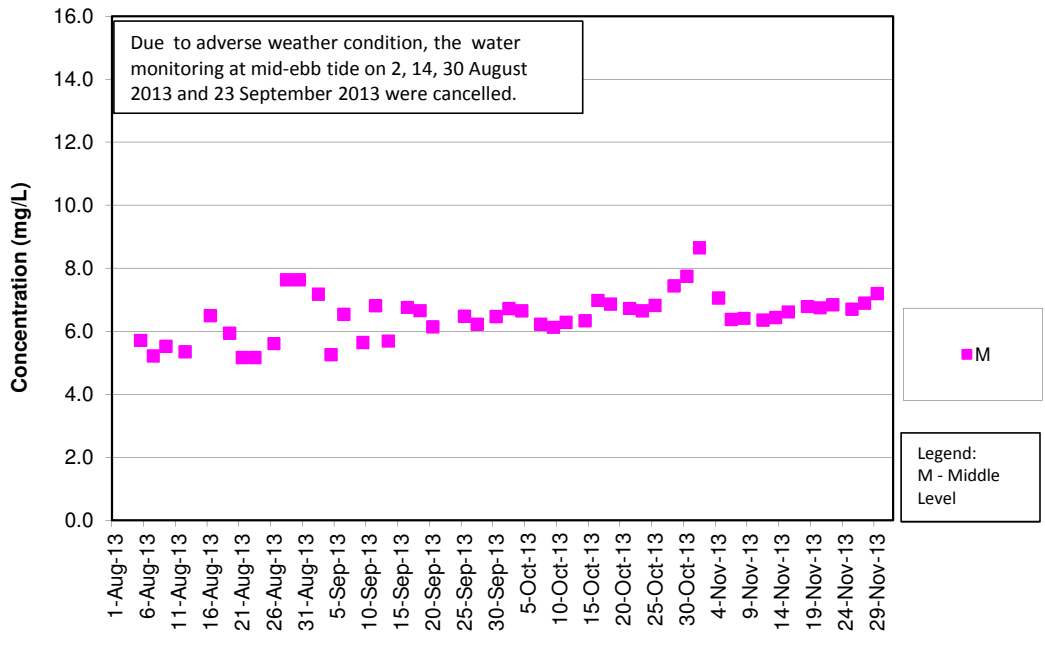
DO Concentrations at Station IS10 (Mid Ebb)



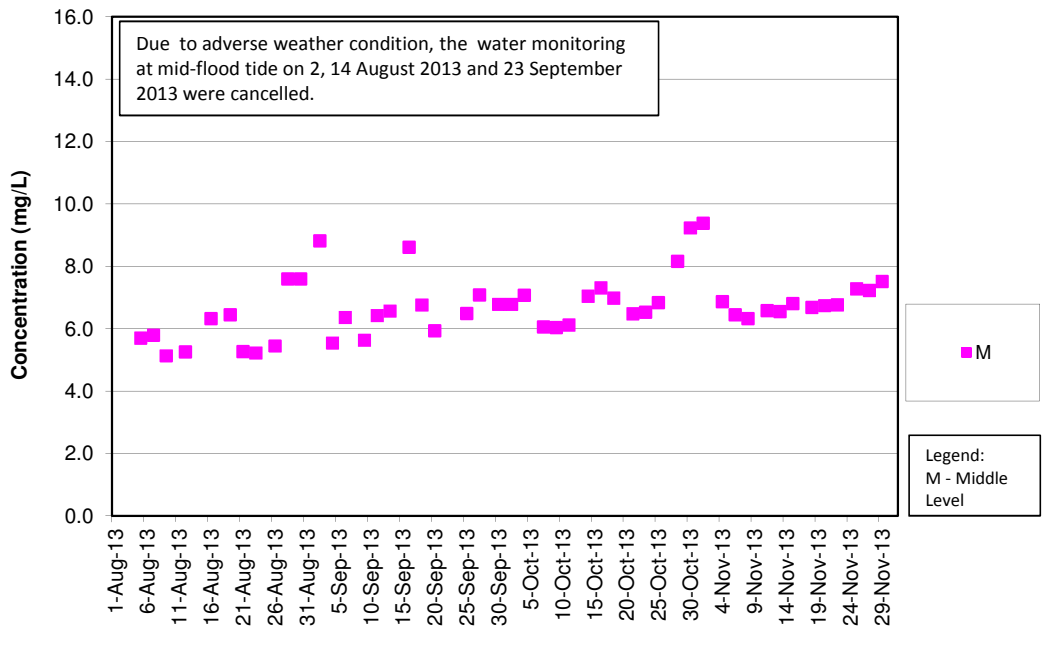
DO Concentrations at Station IS10 (Mid Flood)



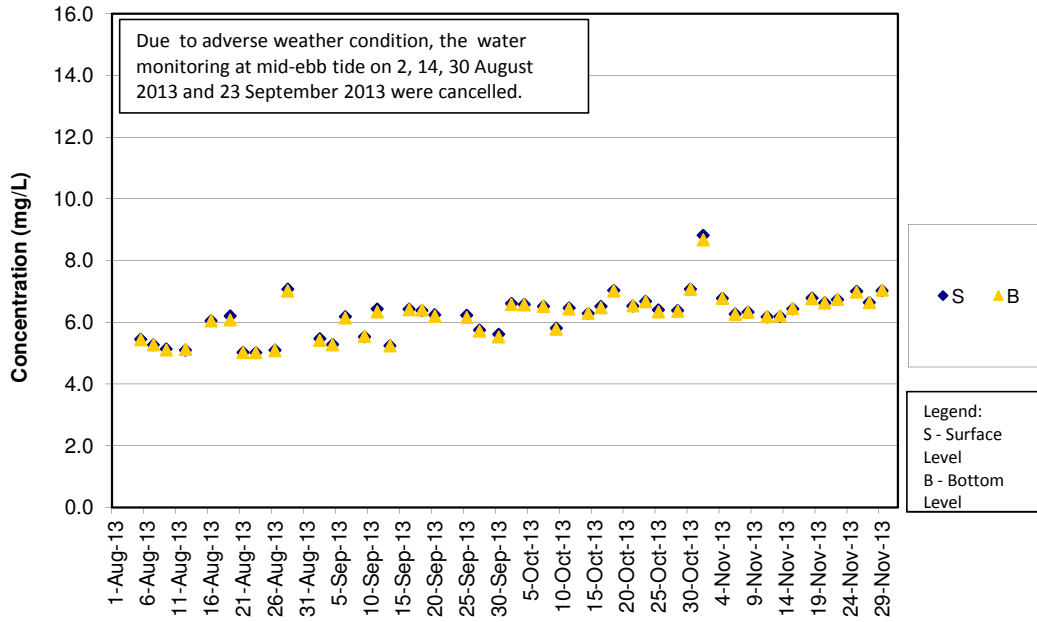
DO Concentrations at Station SR3 (Mid Ebb)



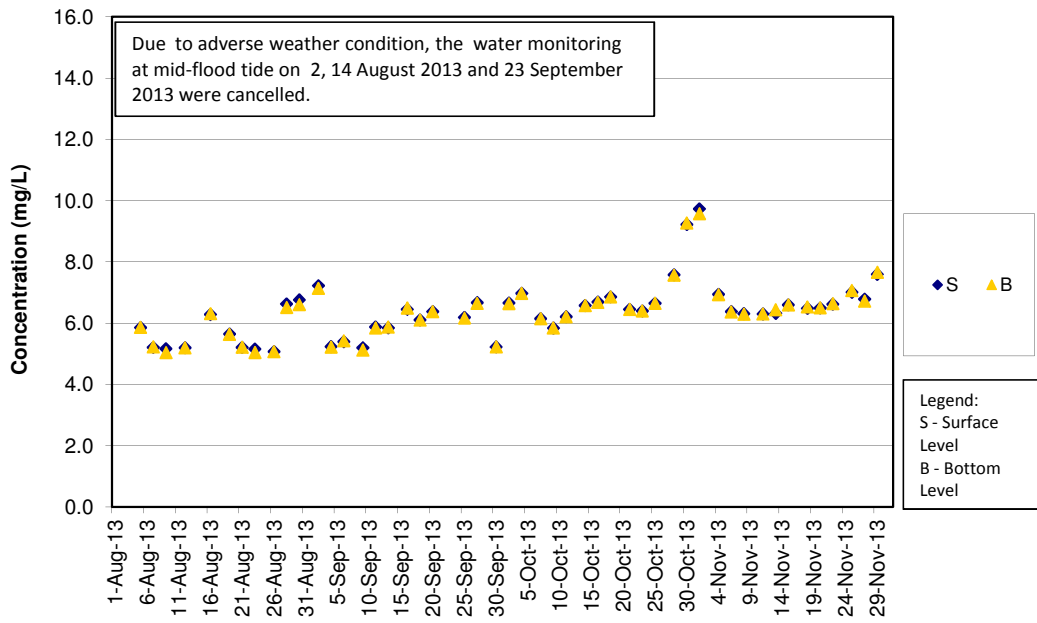
DO Concentrations at Station SR3 (Mid Flood)



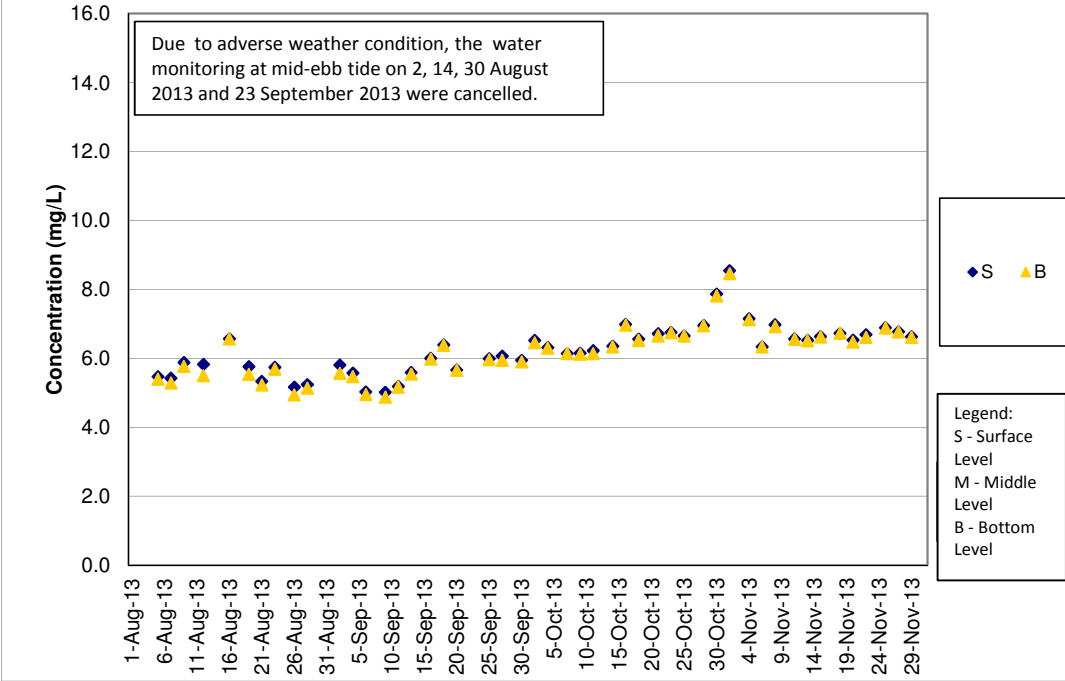
DO Concentrations at Station SR4 (Mid Ebb)



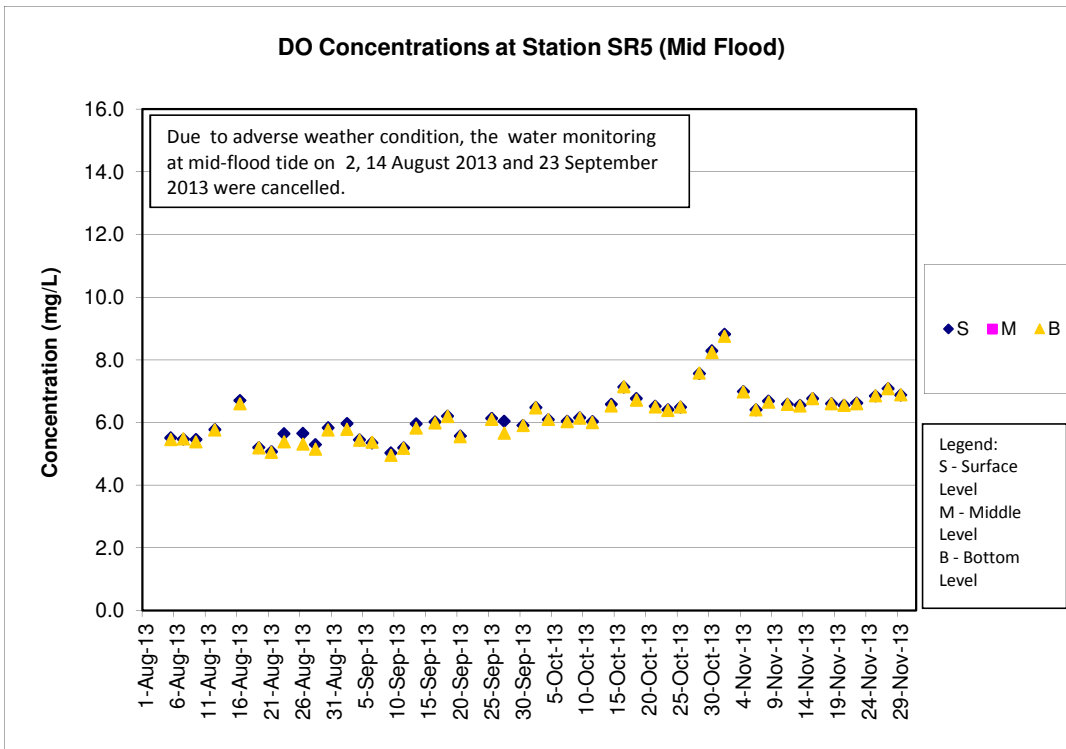
DO Concentrations at Station SR4 (Mid Flood)



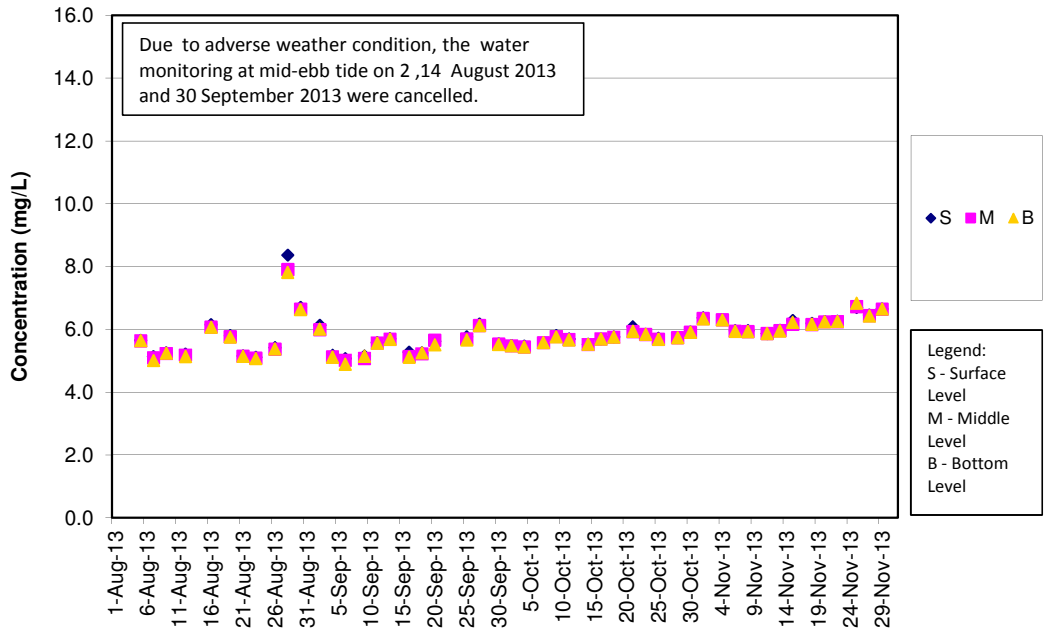
DO Concentrations at Station SR5 (Mid Ebb)



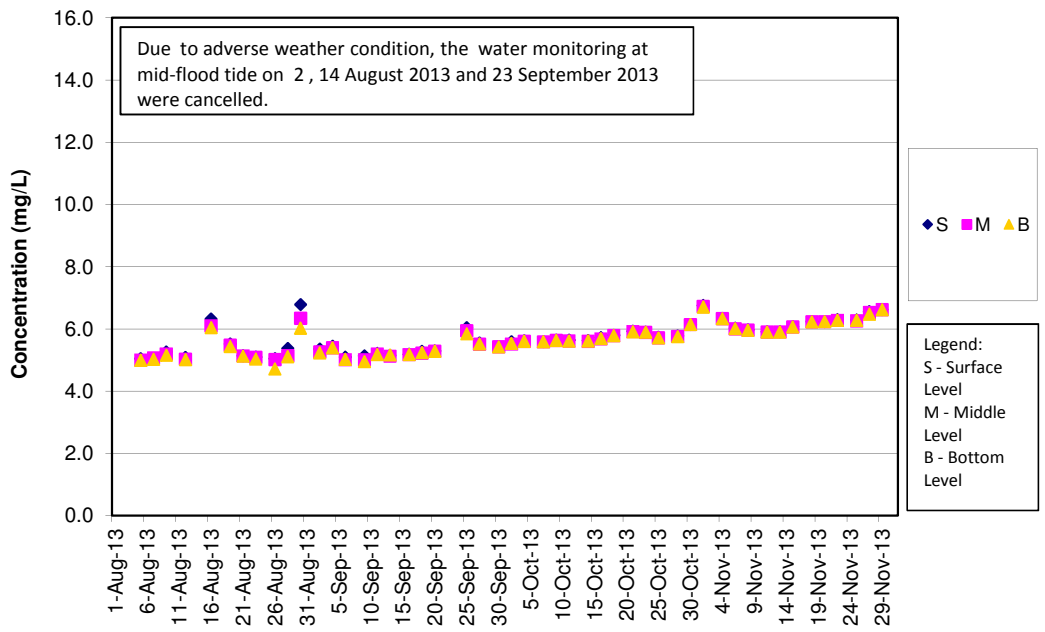
DO Concentrations at Station SR5 (Mid Flood)



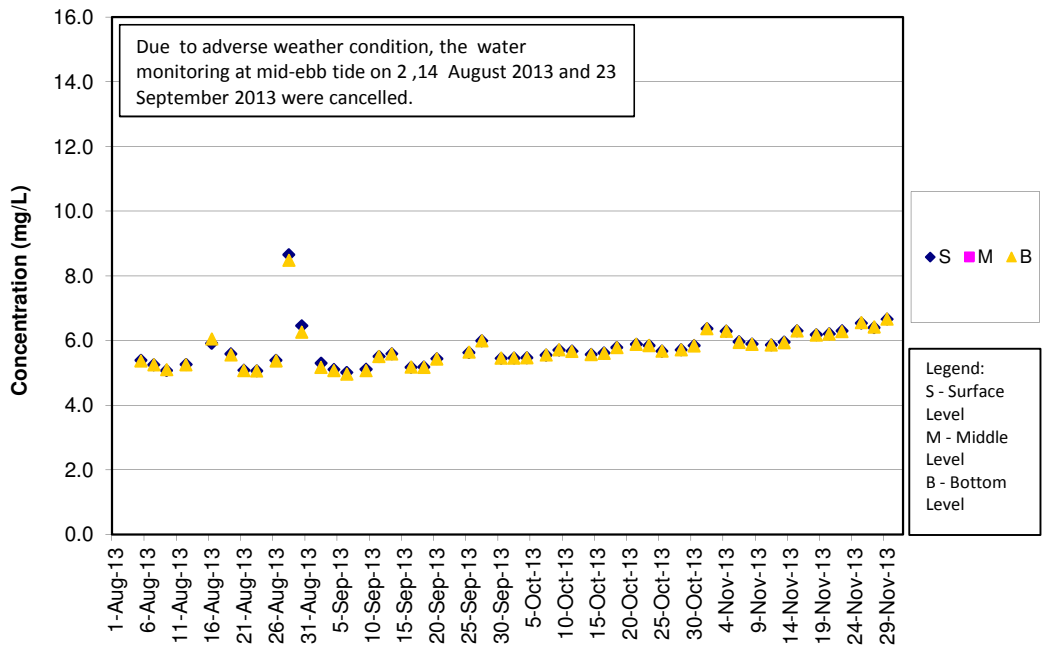
DO Concentrations at Station SR10A (Mid Ebb)



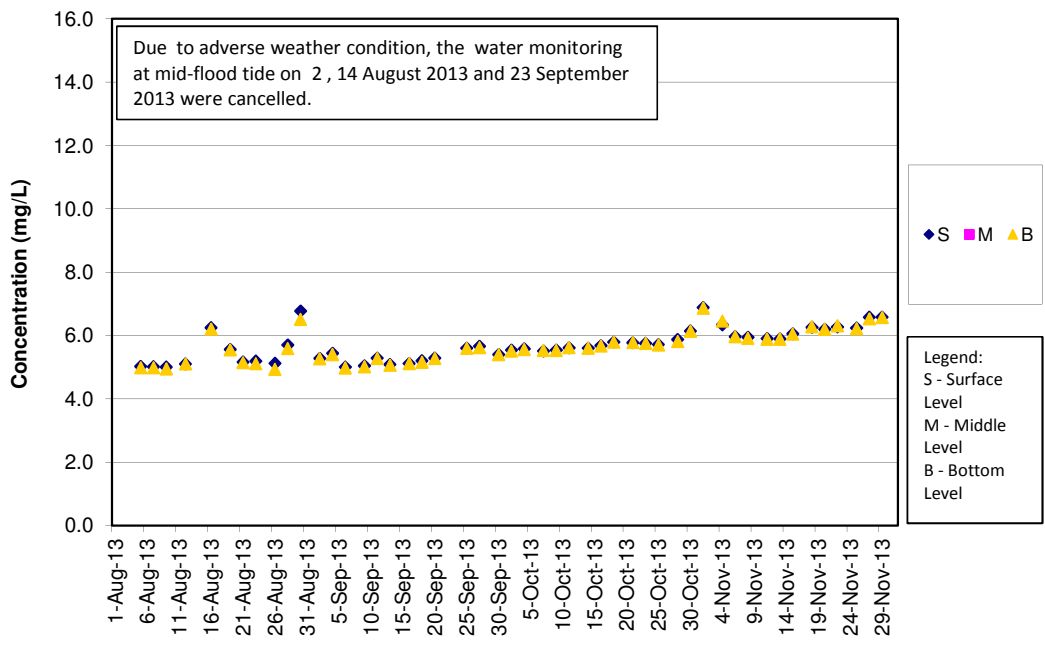
DO Concentrations at Station SR10A (Mid Flood)



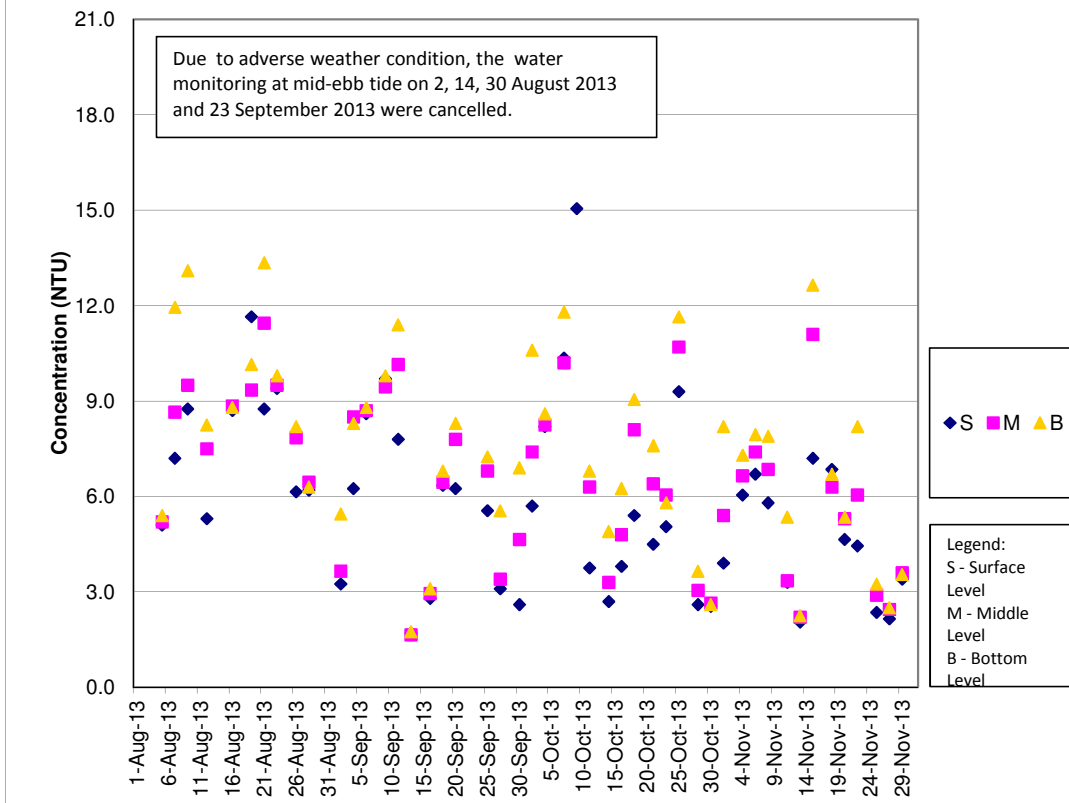
DO Concentrations at Station SR10B (Mid Ebb)



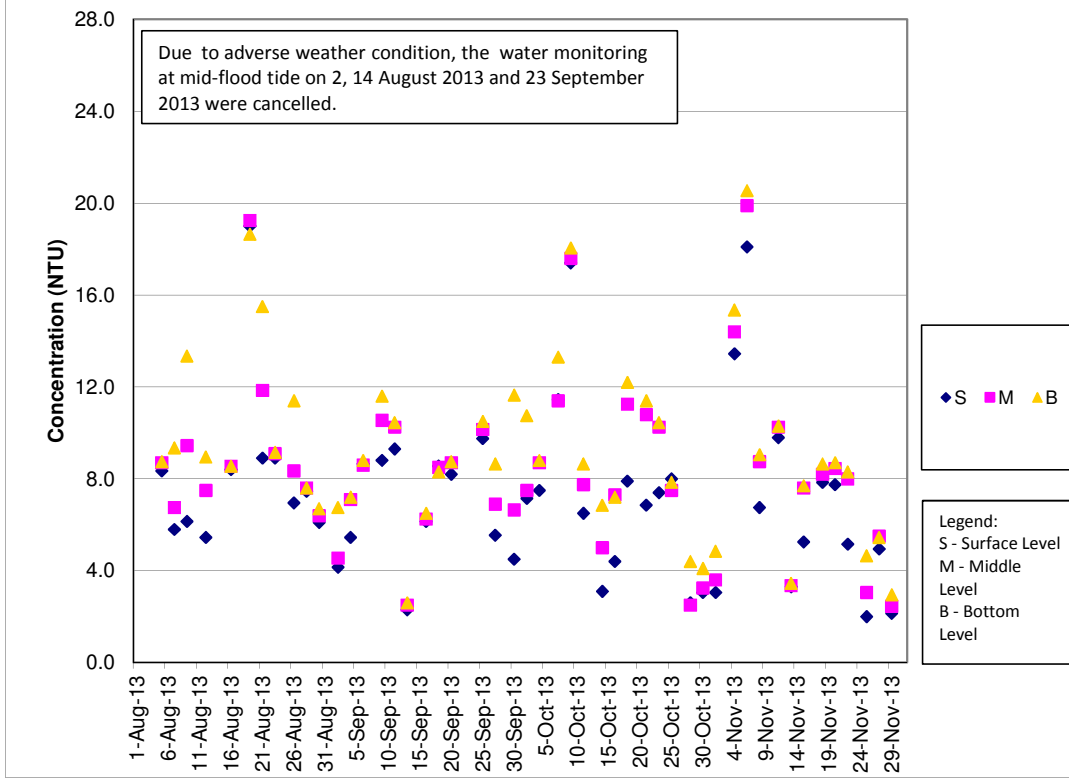
DO Concentrations at Station SR10B (Mid Flood)



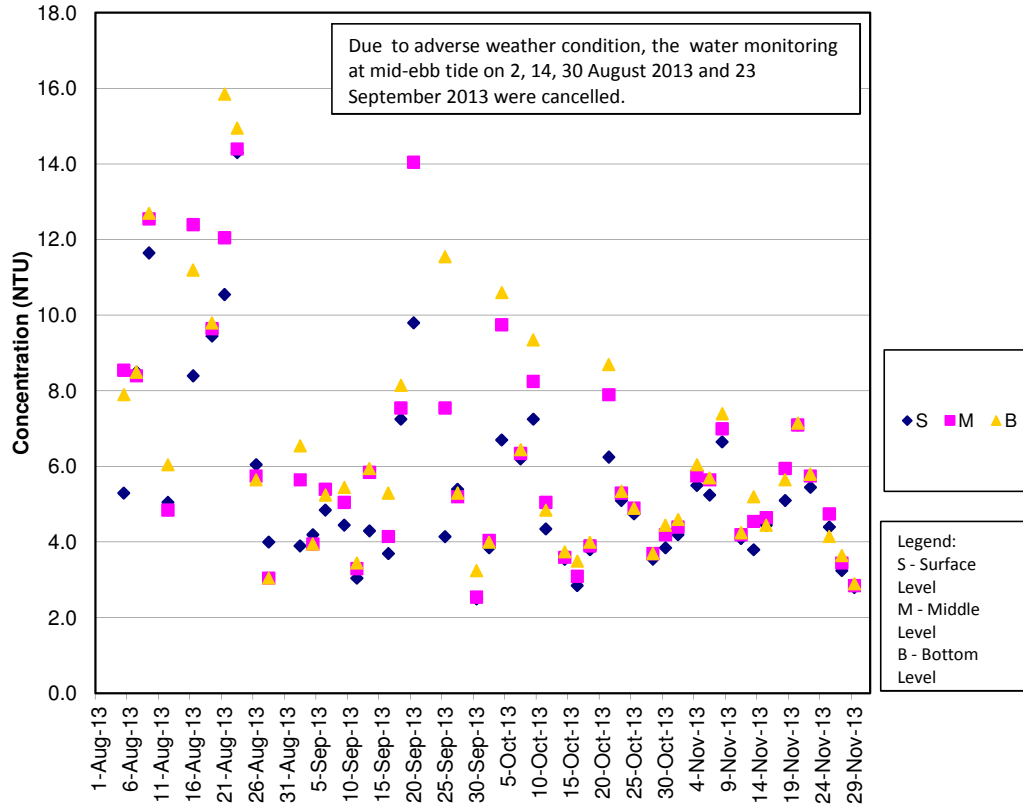
Turbidity Concentrations at Station CS2 (Mid Ebb)



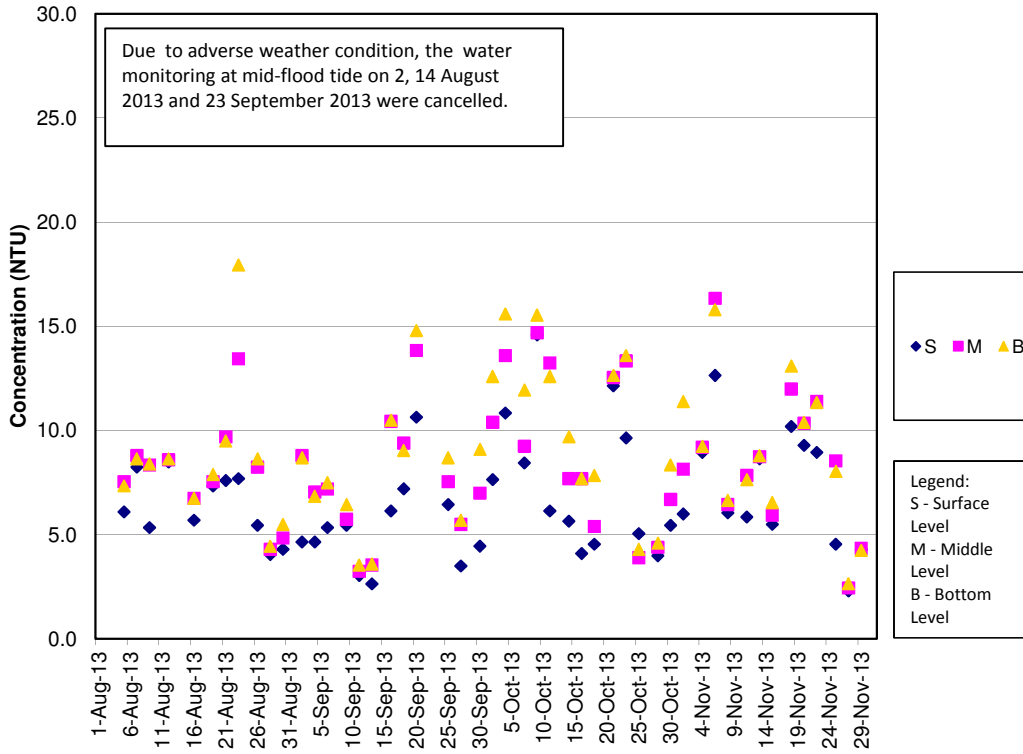
Turbidity Concentrations at Station CS2 (Mid Flood)

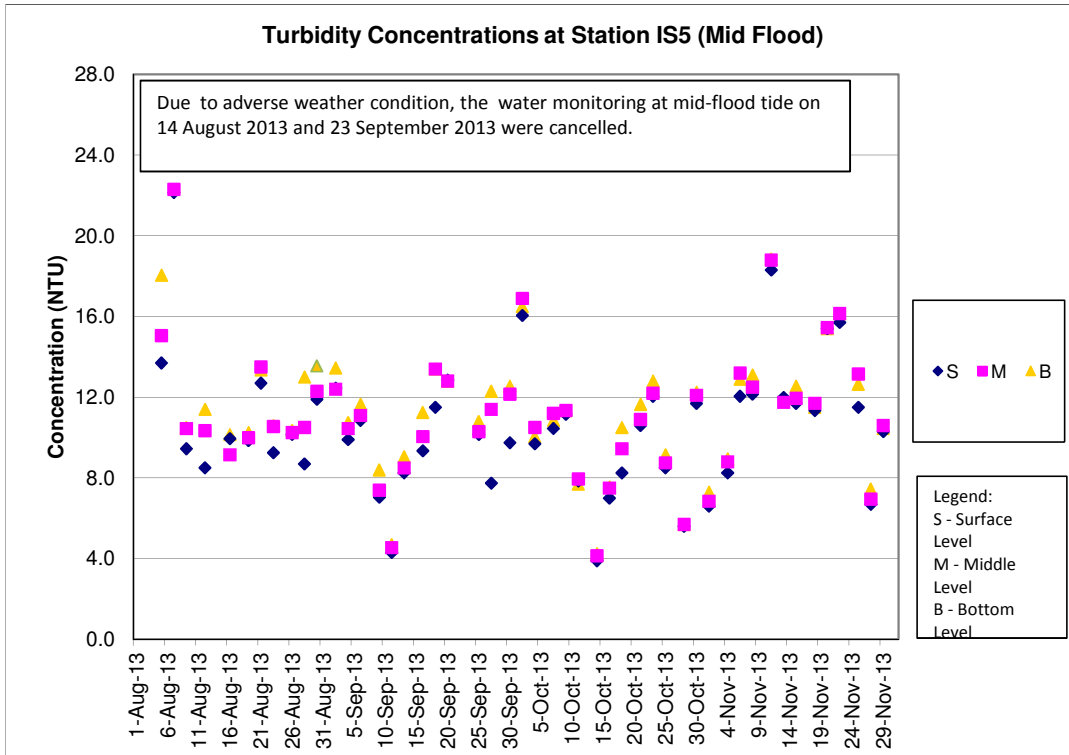
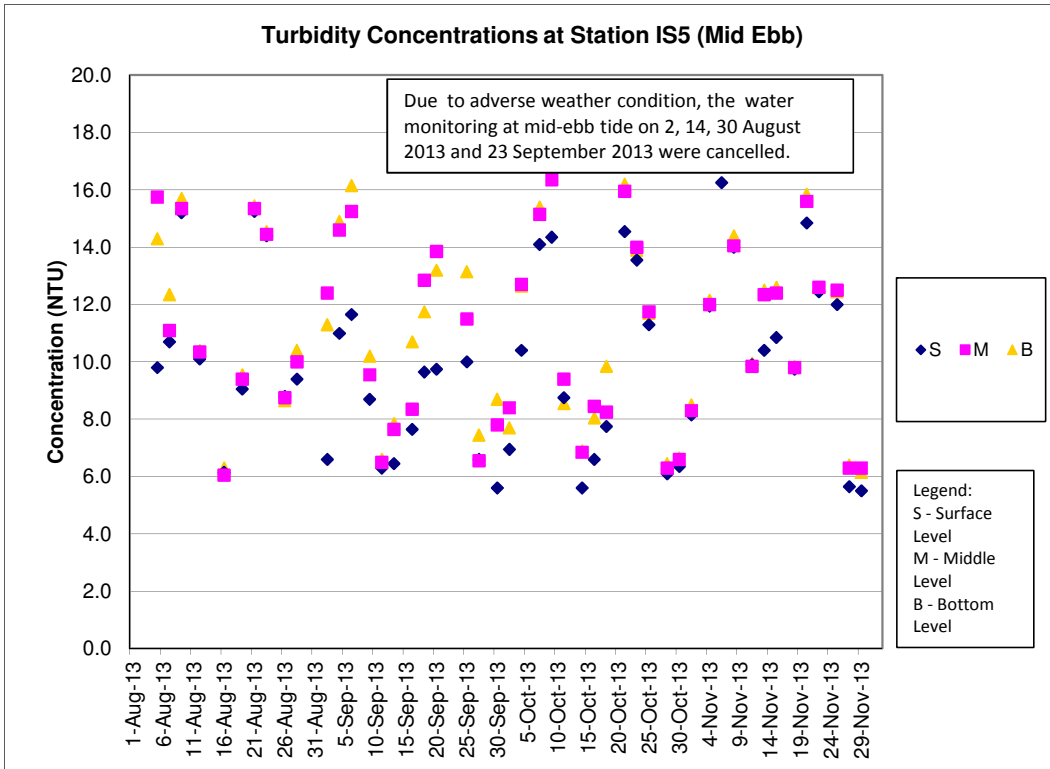


Turbidity Concentrations at Station CS(Mf)5 (Mid Ebb)

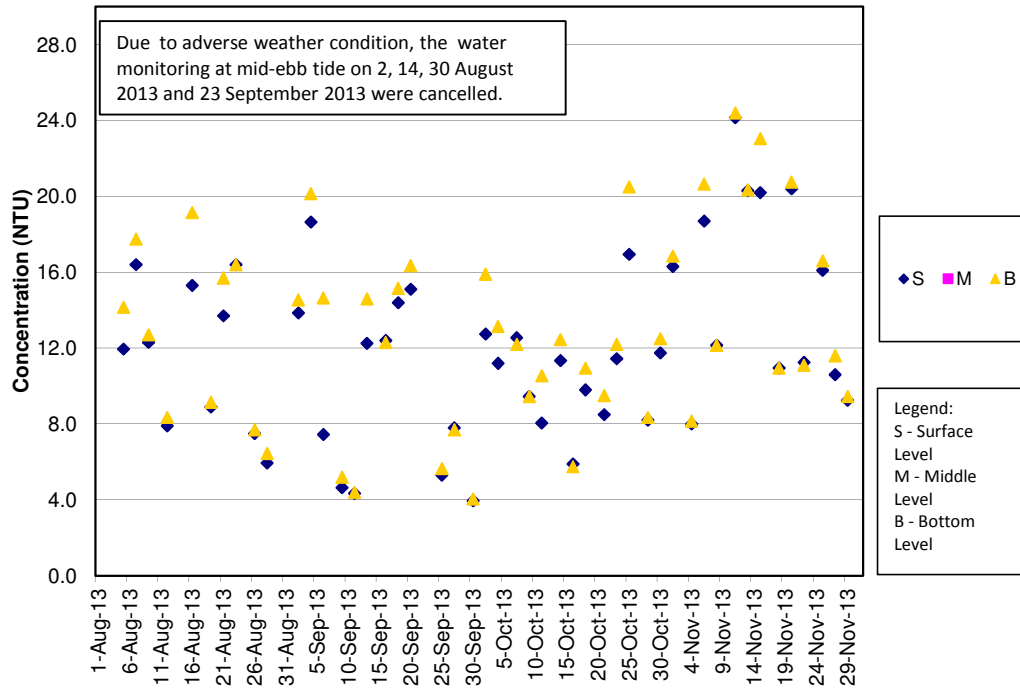


Turbidity Concentrations at Station CS(Mf)5 (Mid Flood)

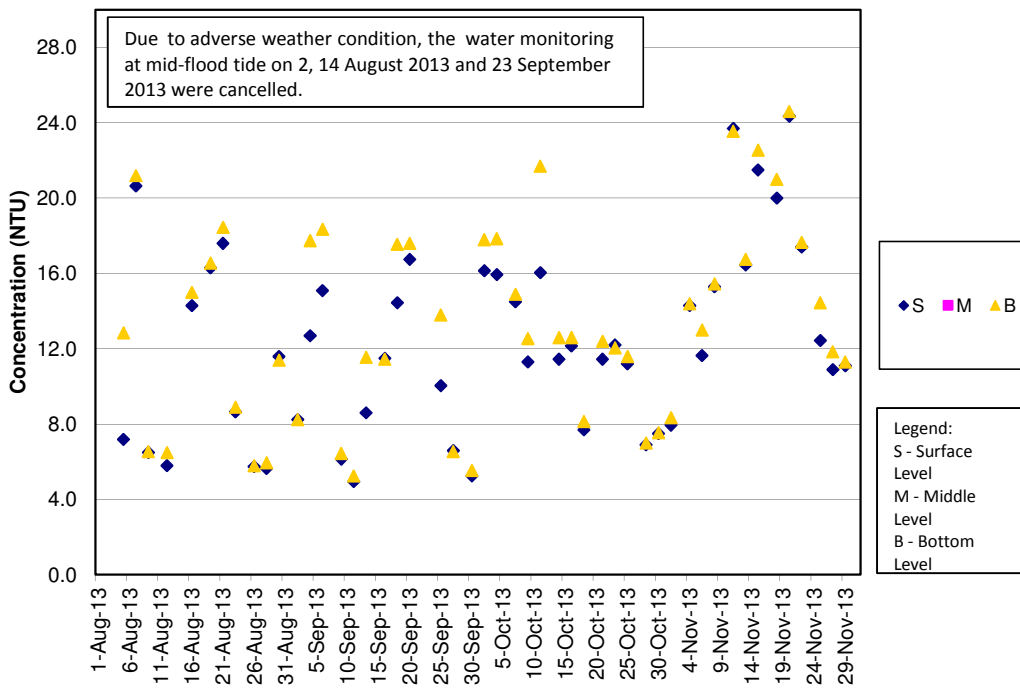




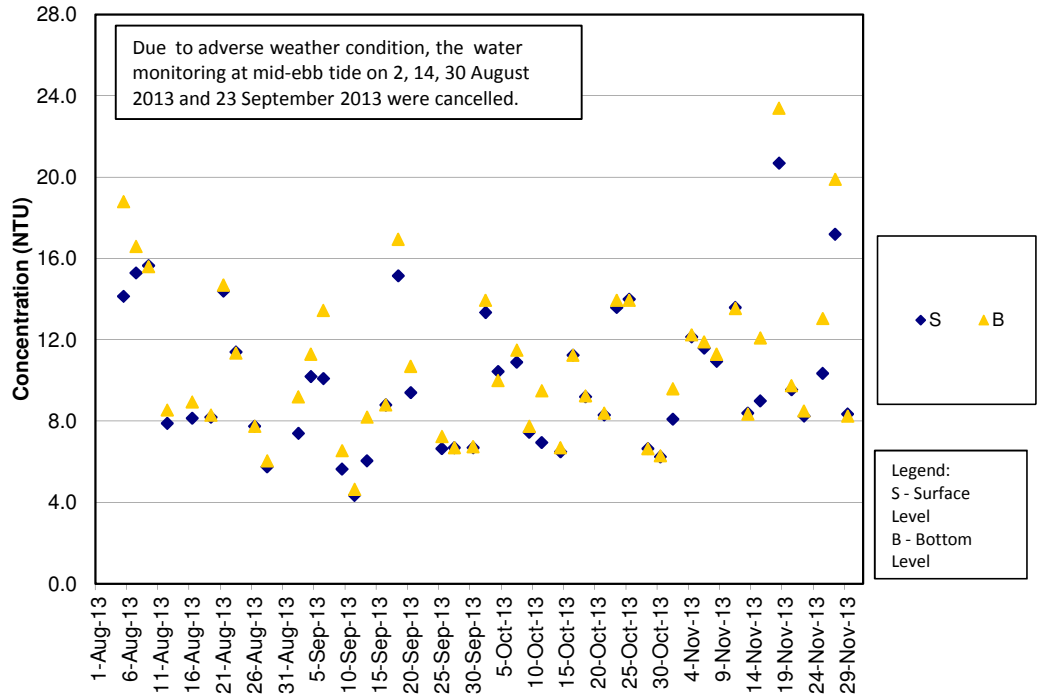
Turbidity Concentrations at Station IS(Mf)6 (Mid Ebb)



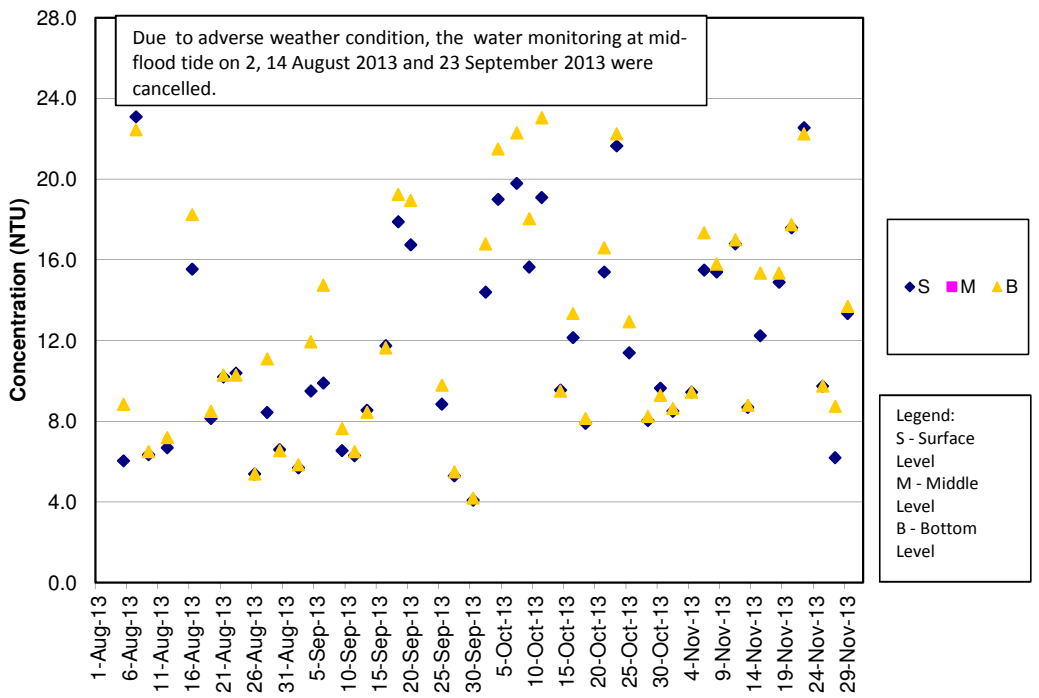
Turbidity Concentrations at Station IS(Mf)6 (Mid Flood)



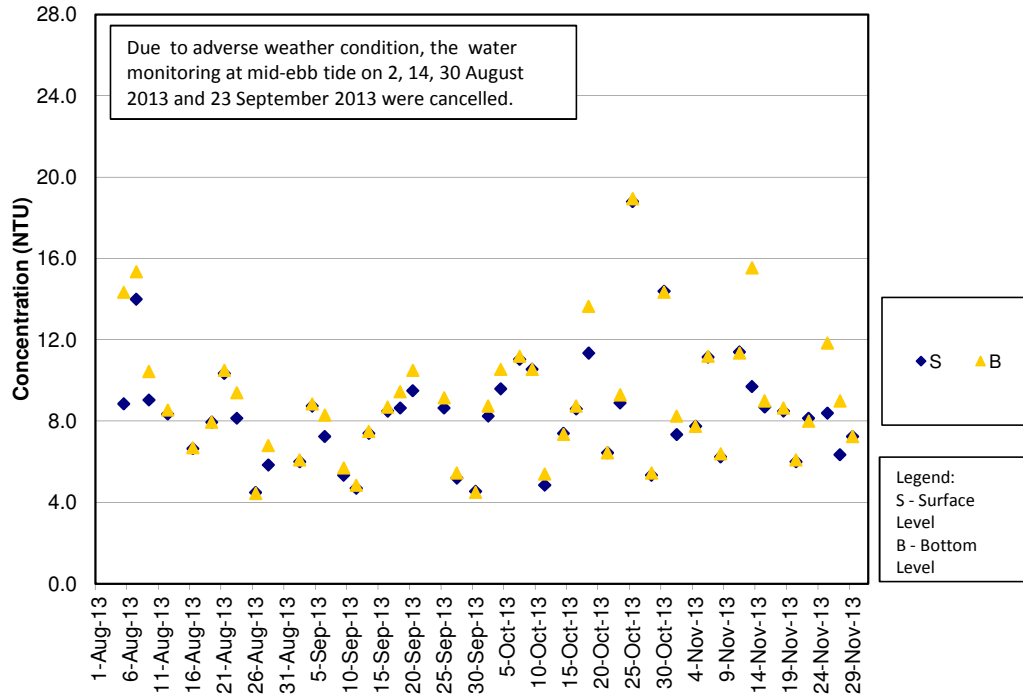
Turbidity Concentrations at Station IS7 (Mid Ebb)



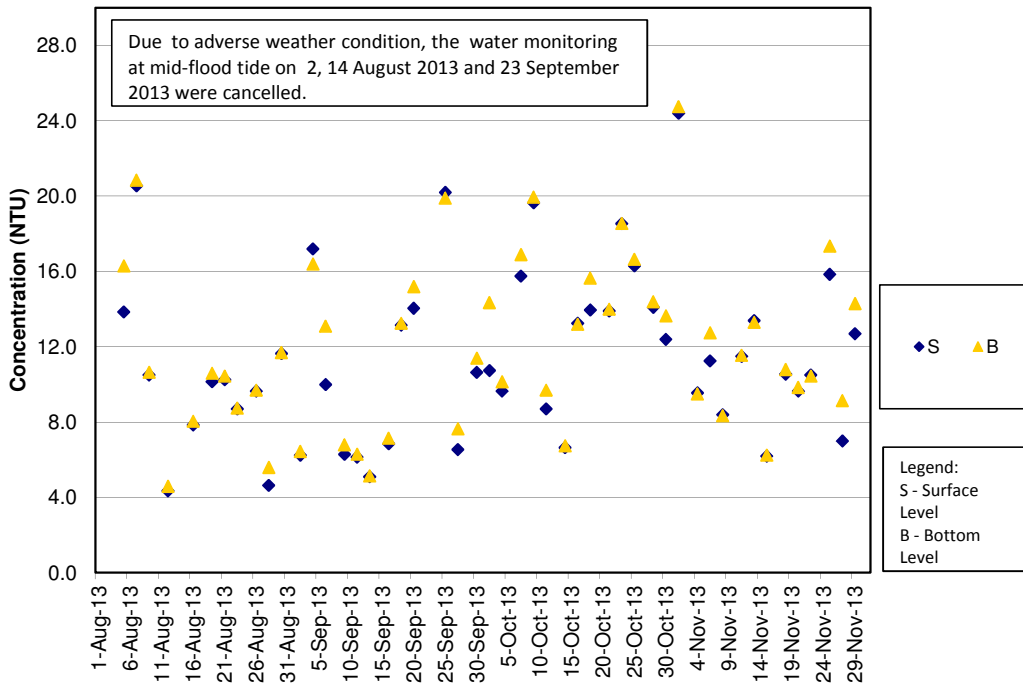
Turbidity Concentrations at Station IS7 (Mid Flood)



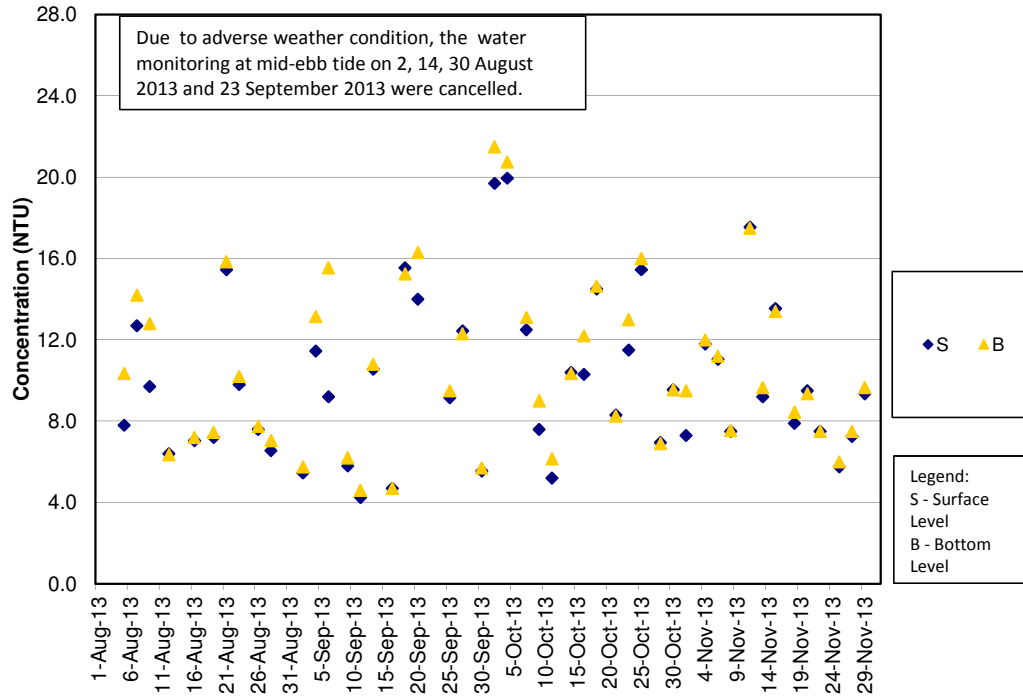
Turbidity Concentrations at Station IS8 (Mid Ebb)



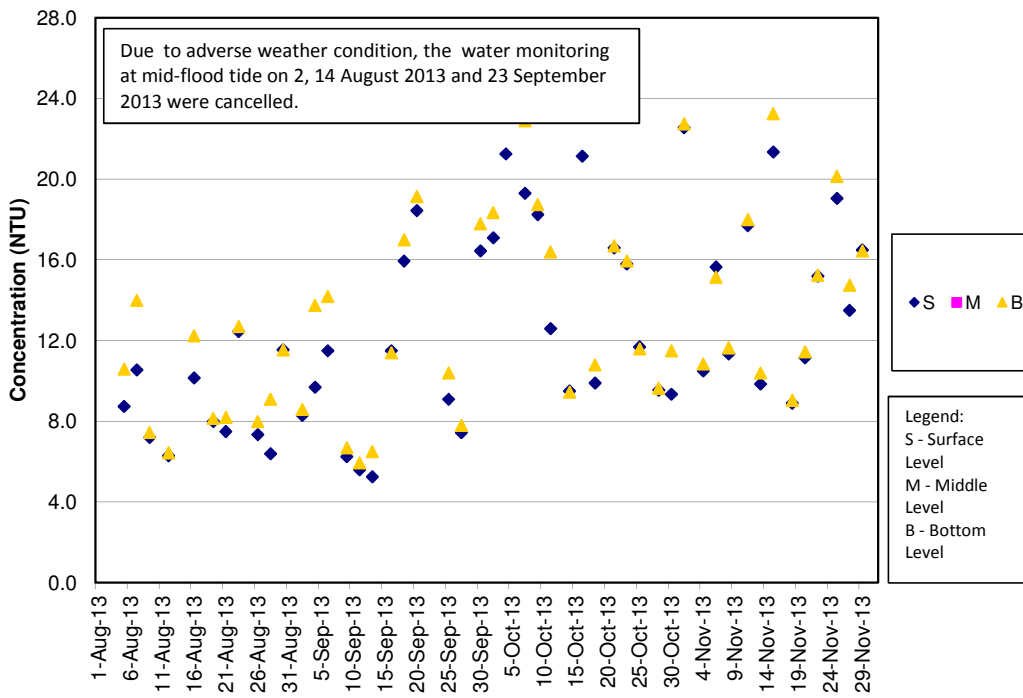
Turbidity Concentrations at Station IS8 (Mid Flood)



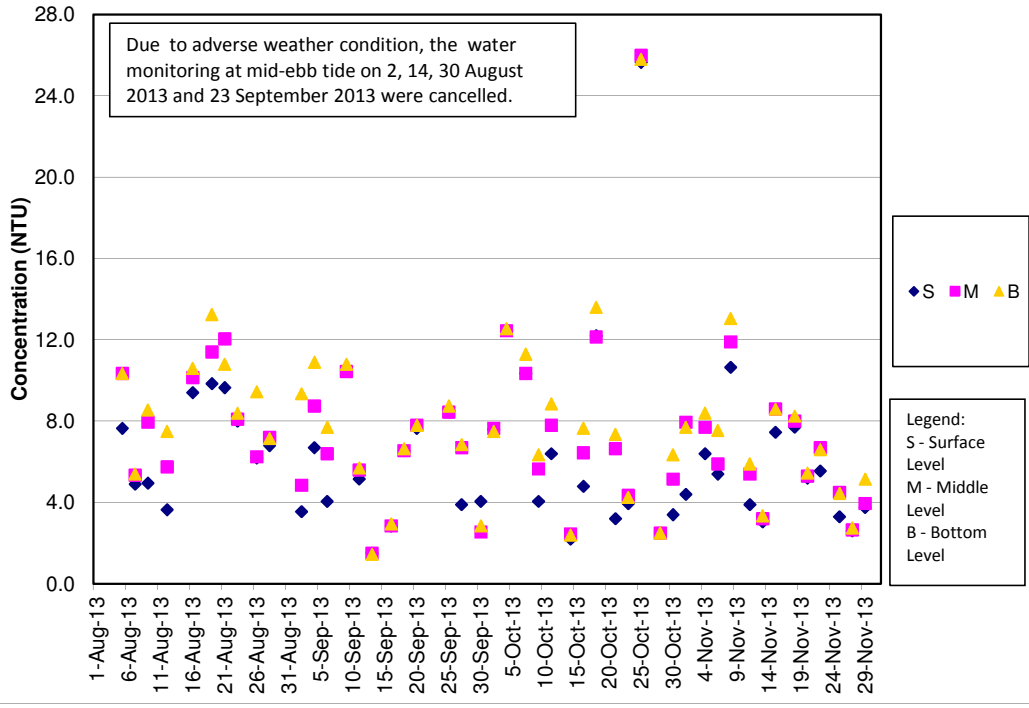
Turbidity Concentrations at Station IS(Mf)9 (Mid Ebb)



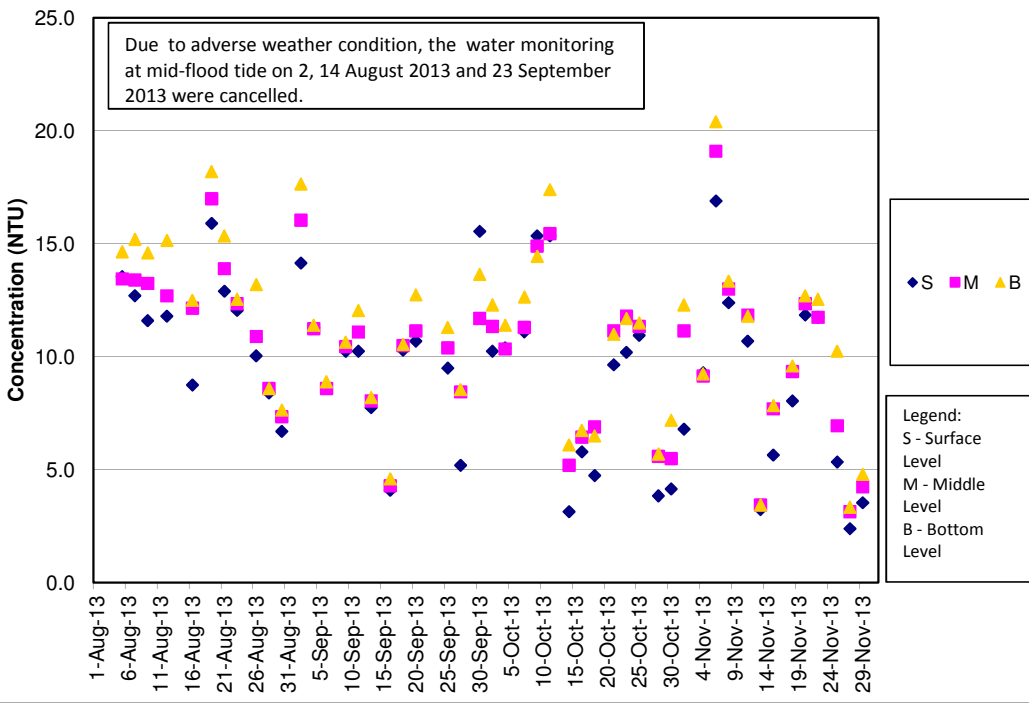
Turbidity Concentrations at Station IS(Mf)9 (Mid Flood)



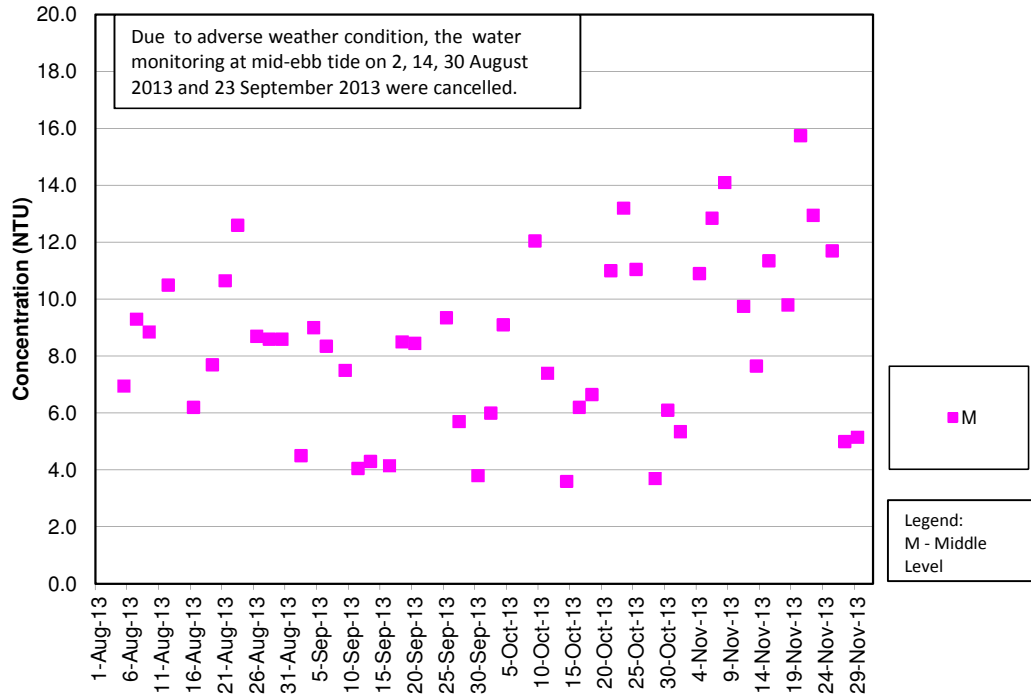
Turbidity Concentrations at Station IS10 (Mid Ebb)



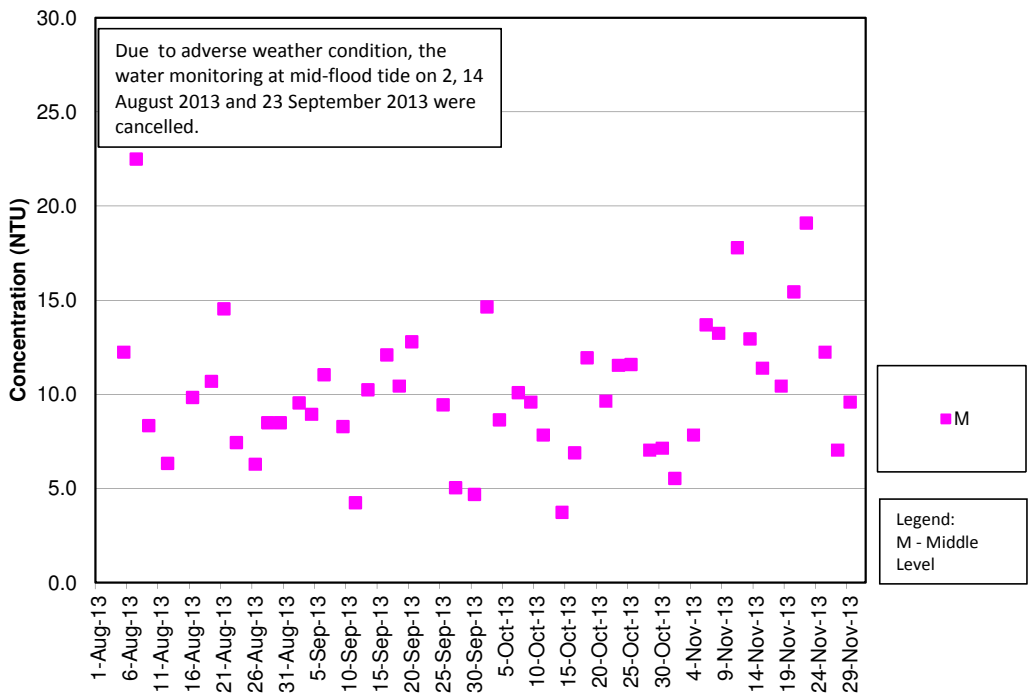
Turbidity Concentrations at Station IS10 (Mid Flood)



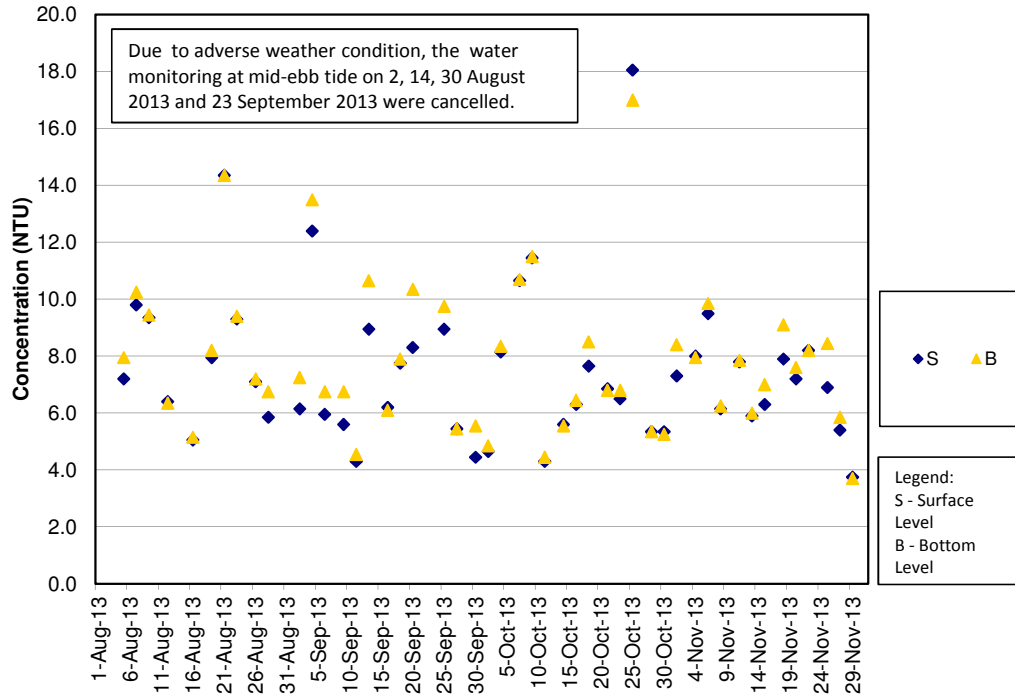
Turbidity Concentrations at Station SR3 (Mid Ebb)



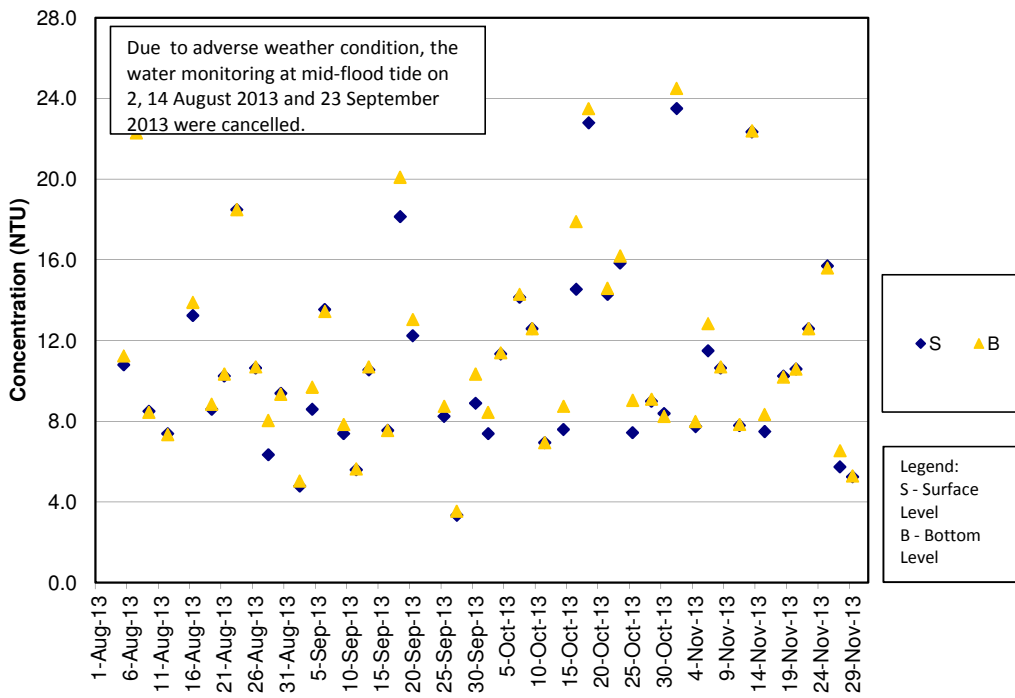
Turbidity Concentrations at Station SR3 (Mid Flood)



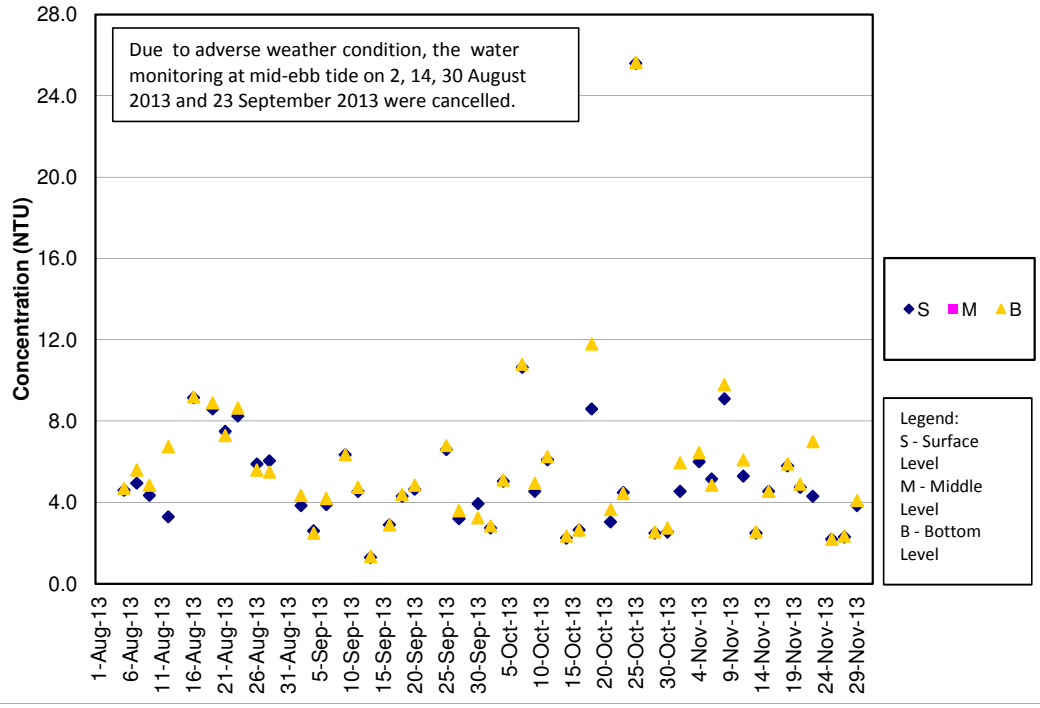
Turbidity Concentrations at Station SR4 (Mid Ebb)



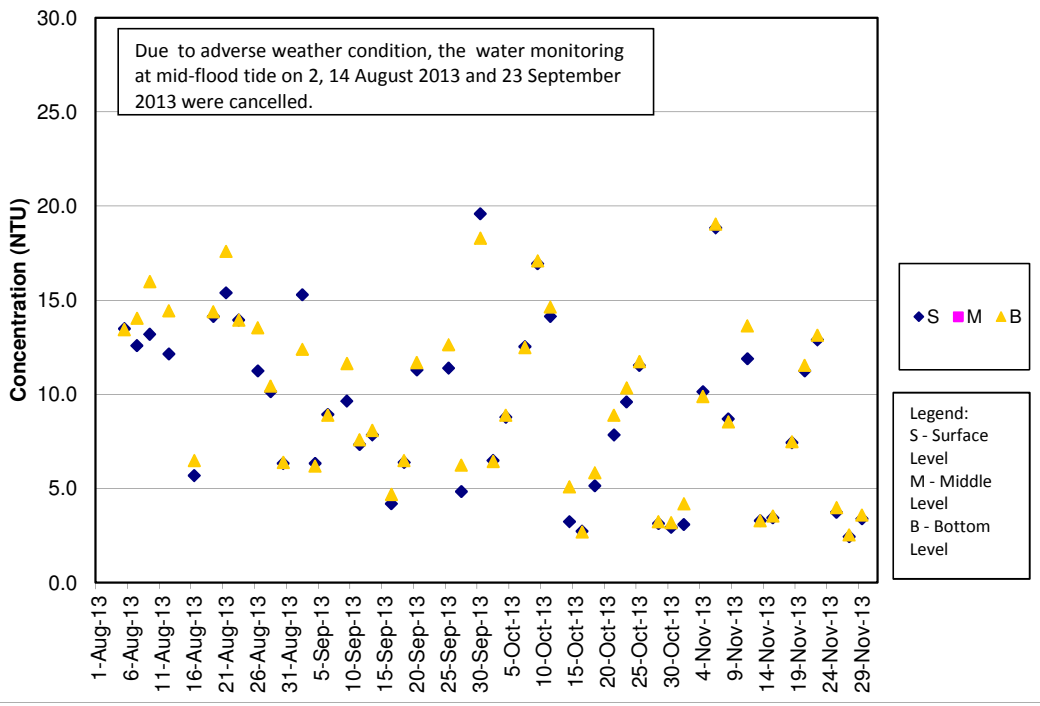
Turbidity Concentrations at Station SR4 (Mid Flood)



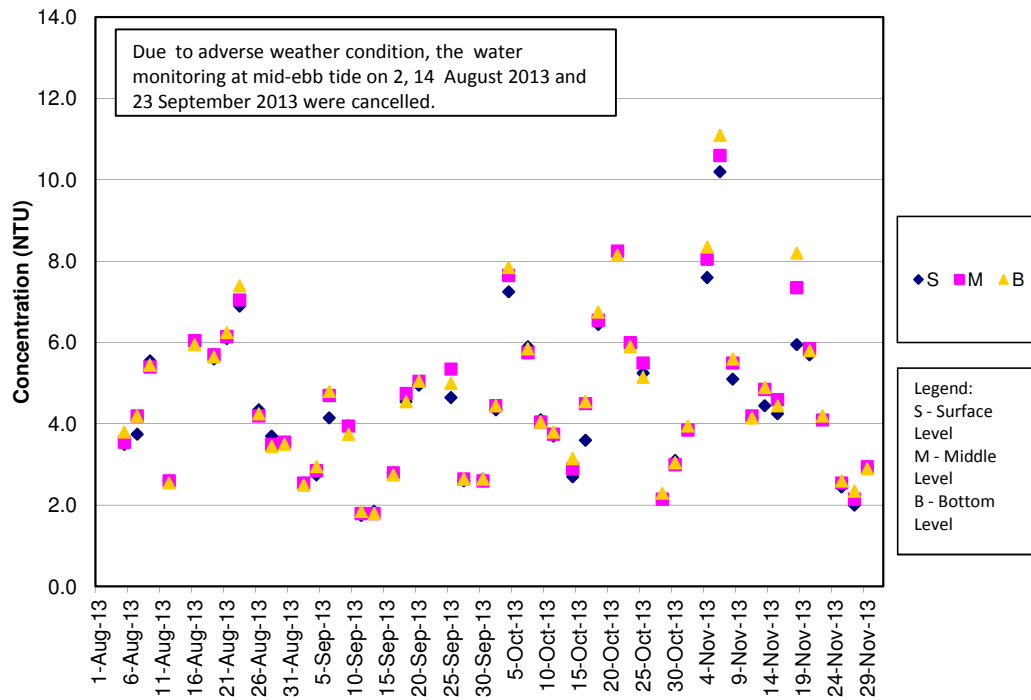
Turbidity Concentrations at Station SR5 (Mid Ebb)



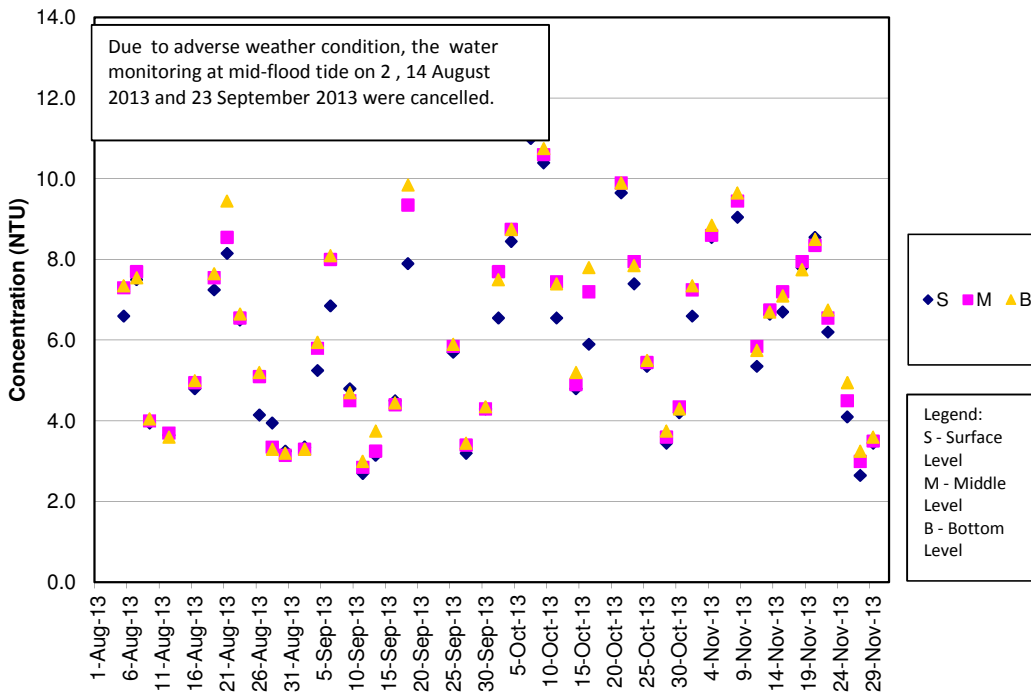
Turbidity Concentrations at Station SR5 (Mid Flood)



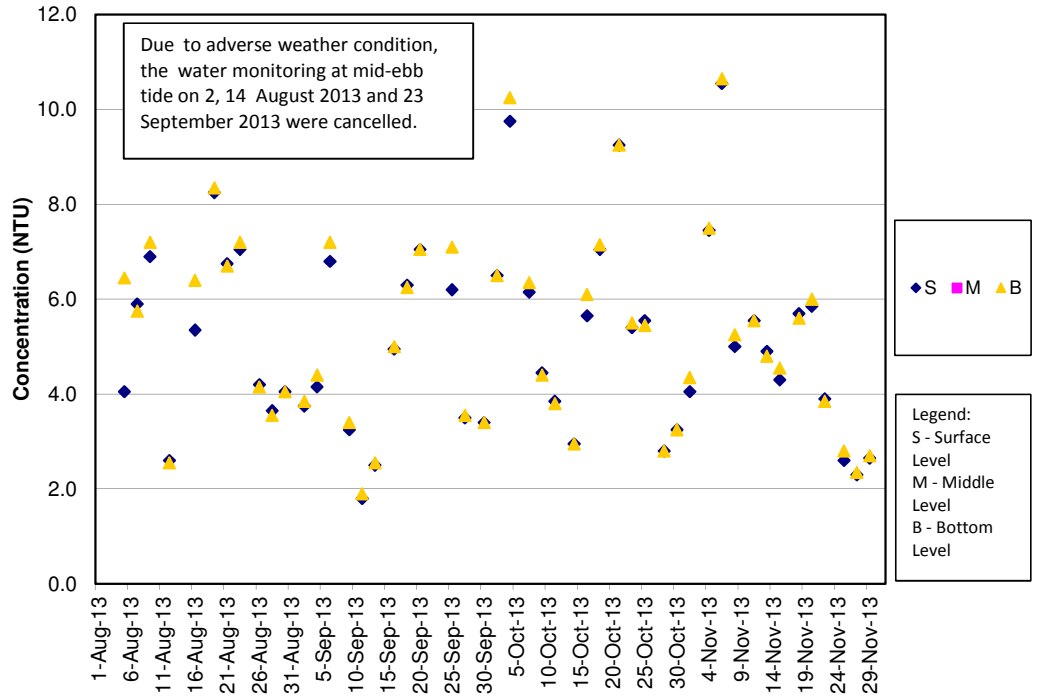
Turbidity Concentrations at Station SR10A (Mid Ebb)



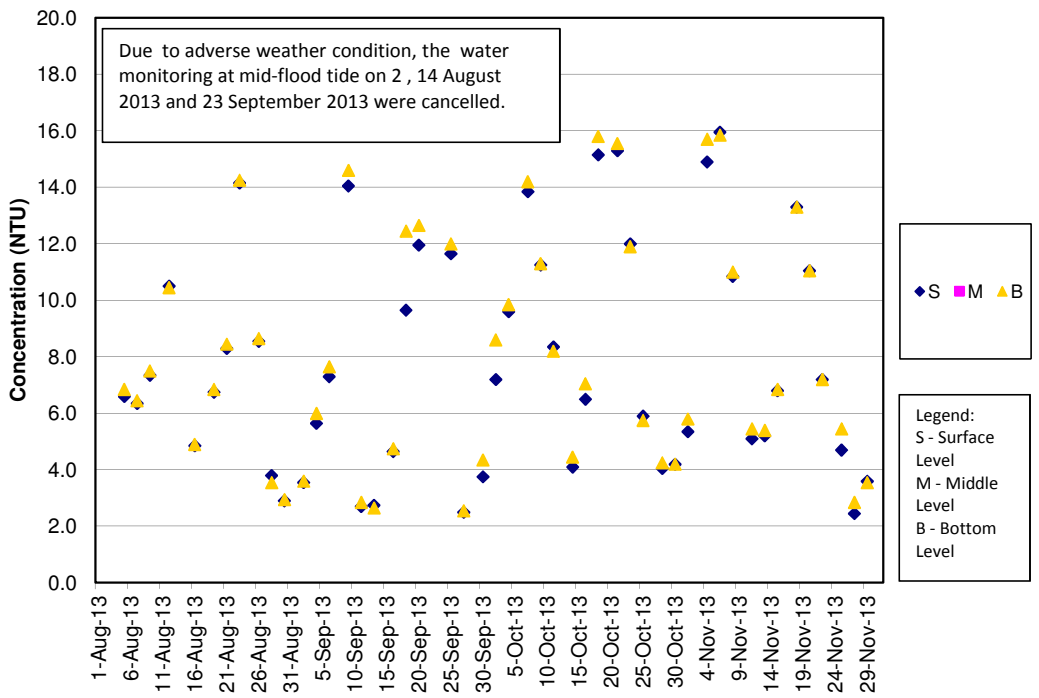
Turbidity Concentrations at Station SR10A (Mid Flood)



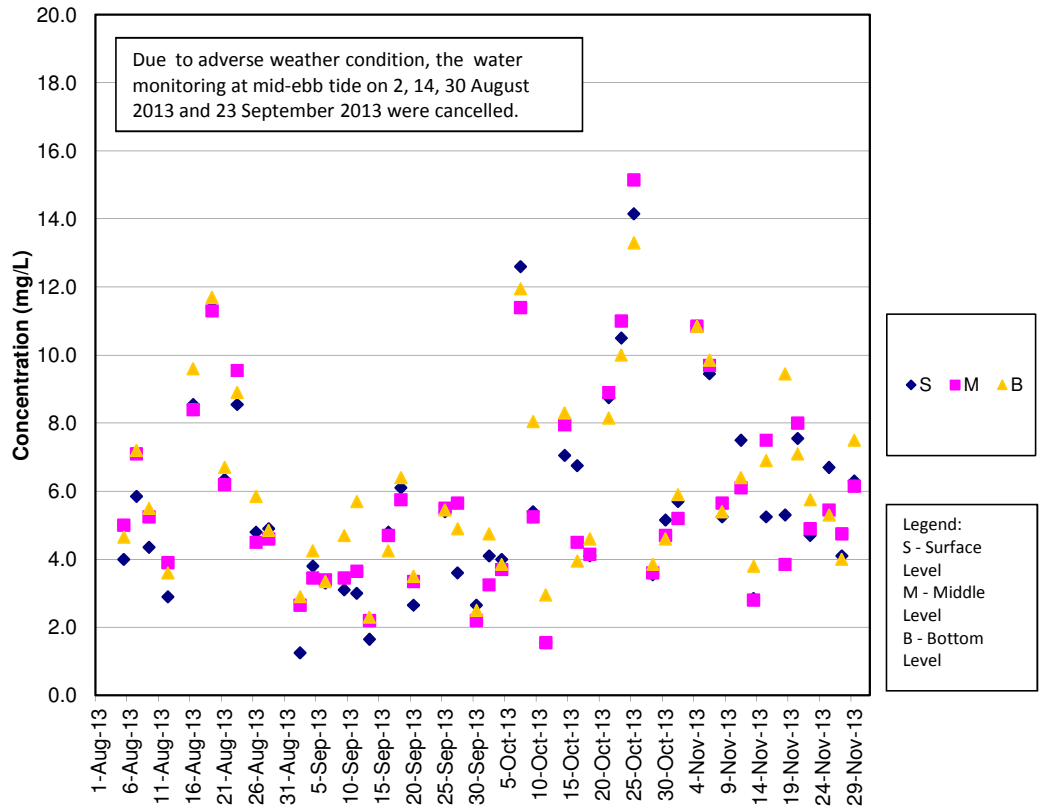
Turbidity Concentrations at Station SR10B (Mid Ebb)



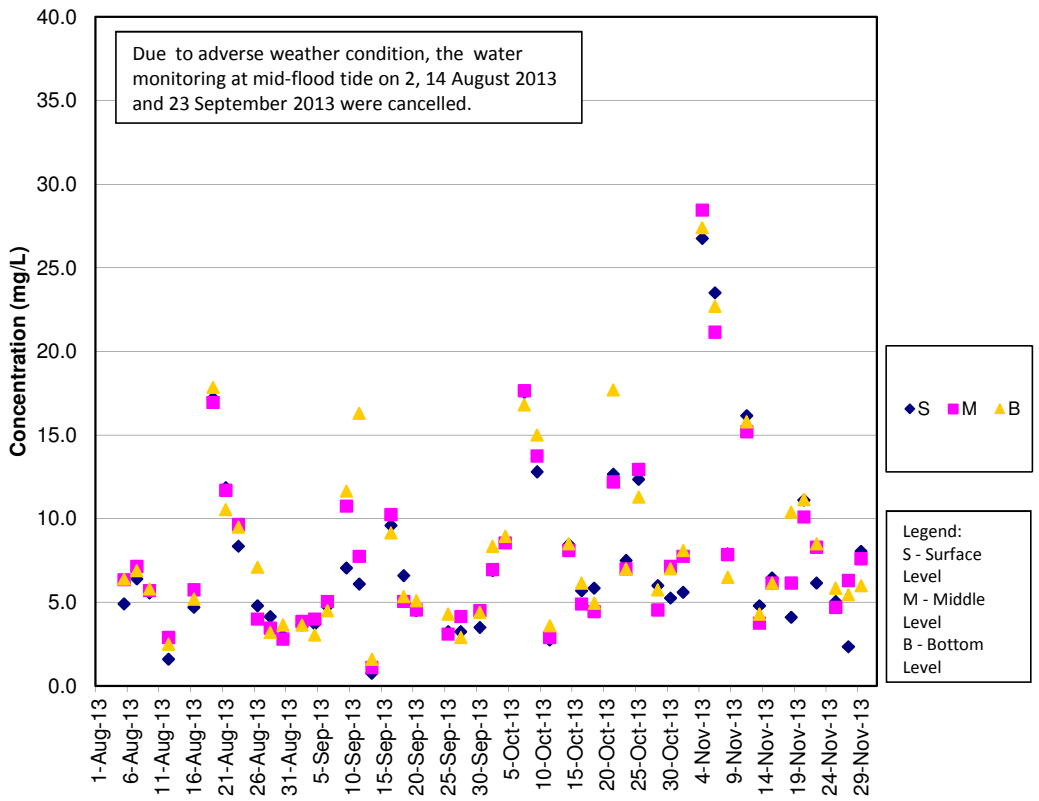
Turbidity Concentrations at Station SR10B (Mid Flood)



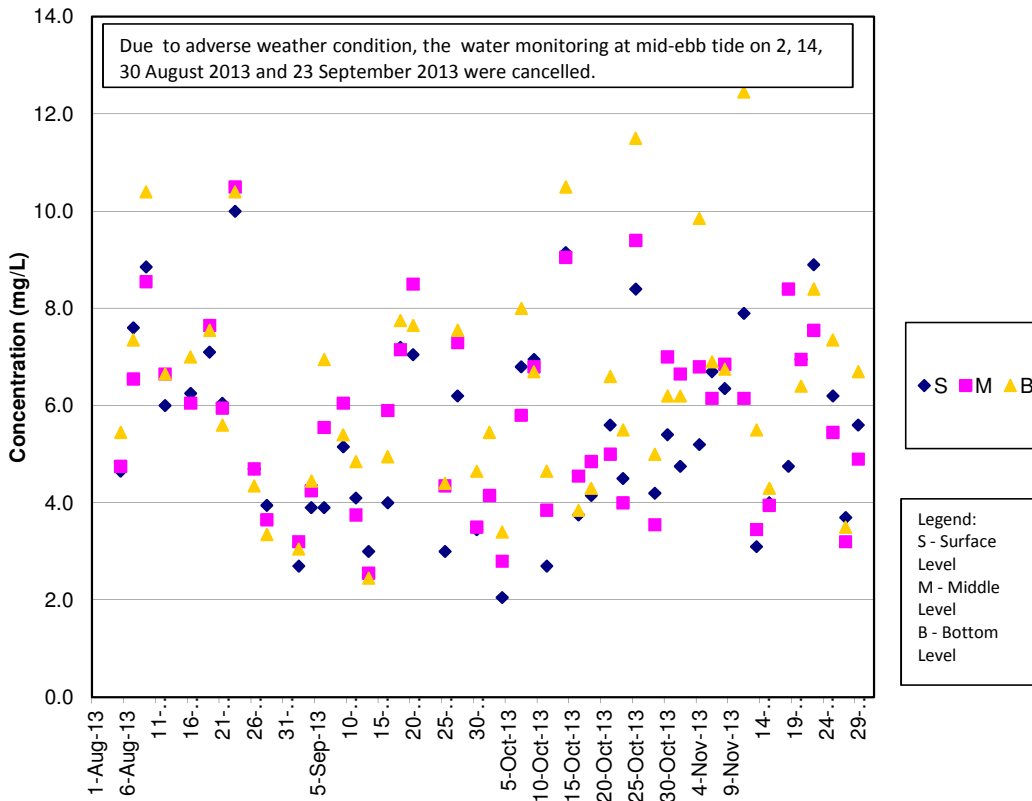
SS Concentrations at Station CS2 (Mid Ebb)



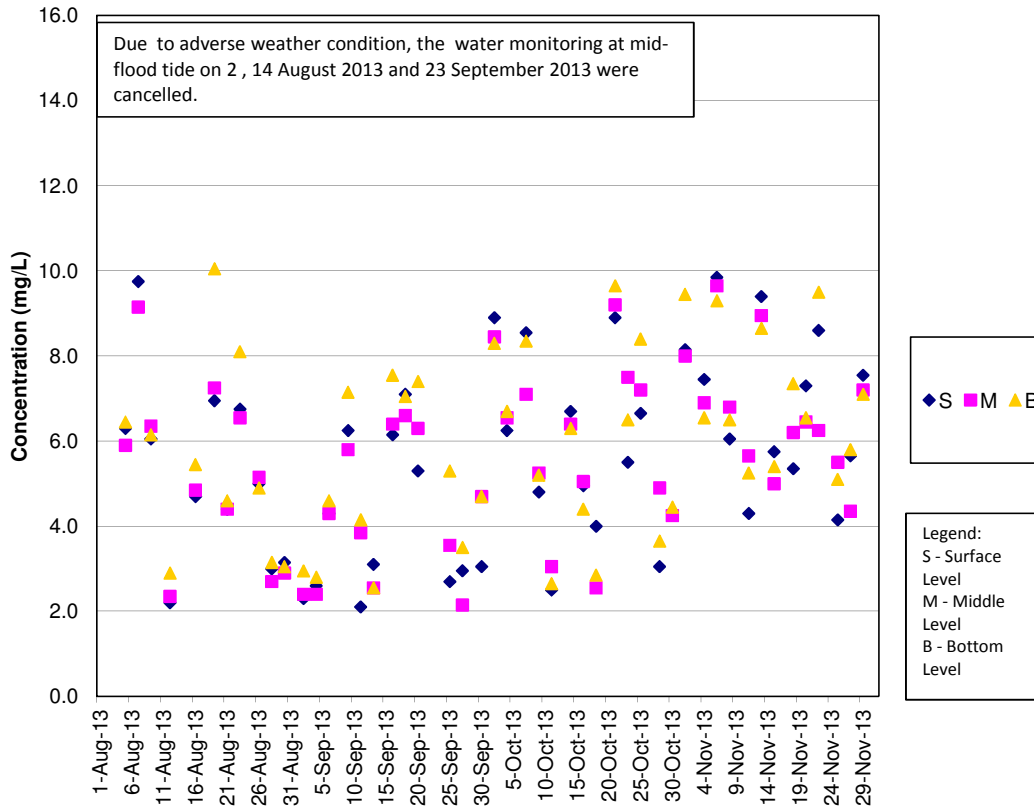
SS Concentrations at Station CS2 (Mid Flood)



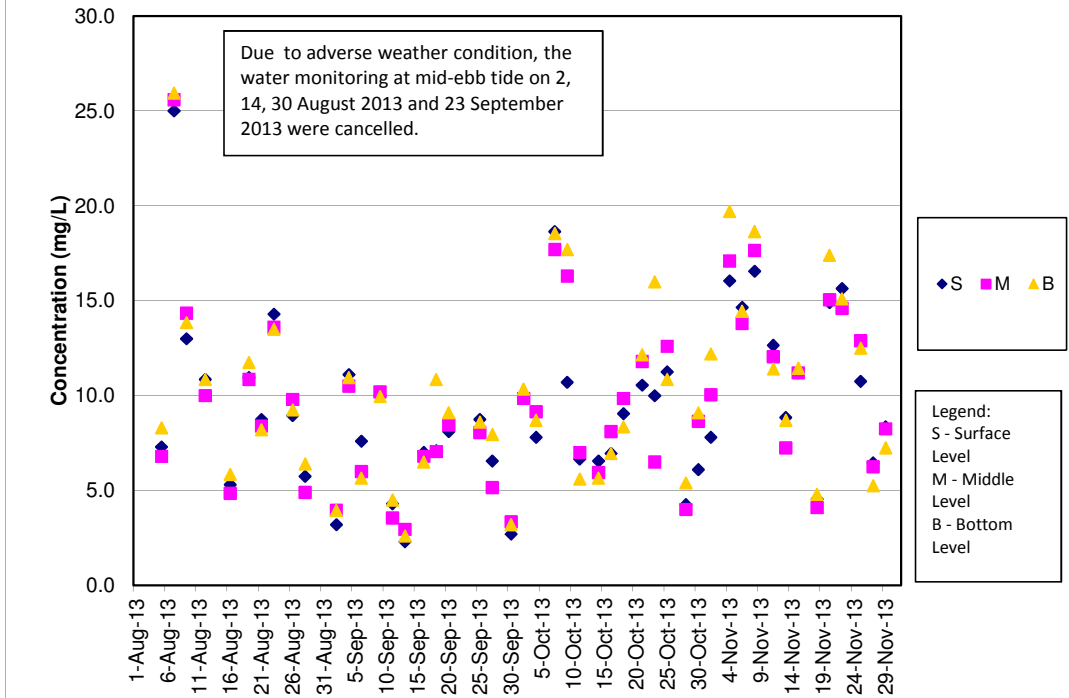
SS Concentrations at Station CS(Mf)5 (Mid Ebb)



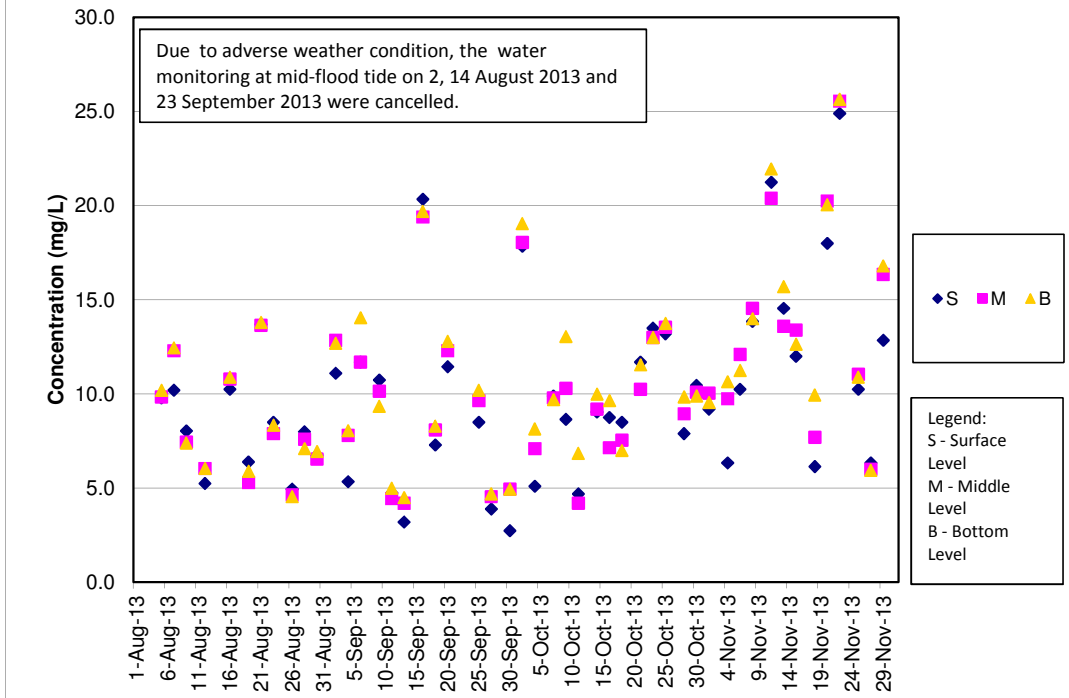
SS Concentrations at Station CS(Mf)5 (Mid Flood)



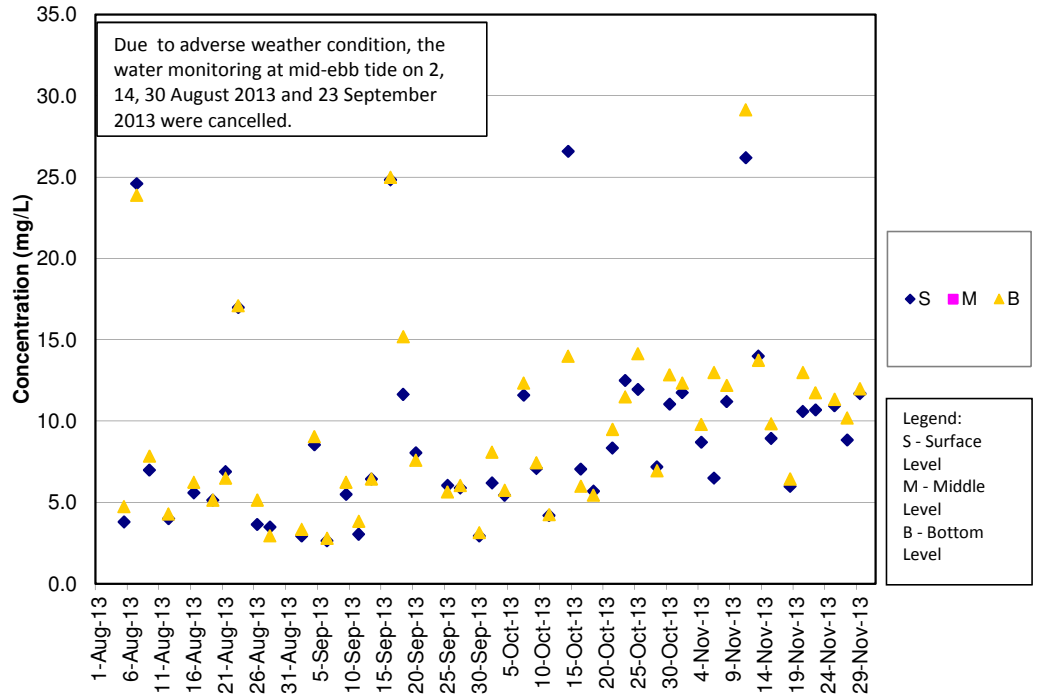
SS Concentrations at Station IS5 (Mid Ebb)



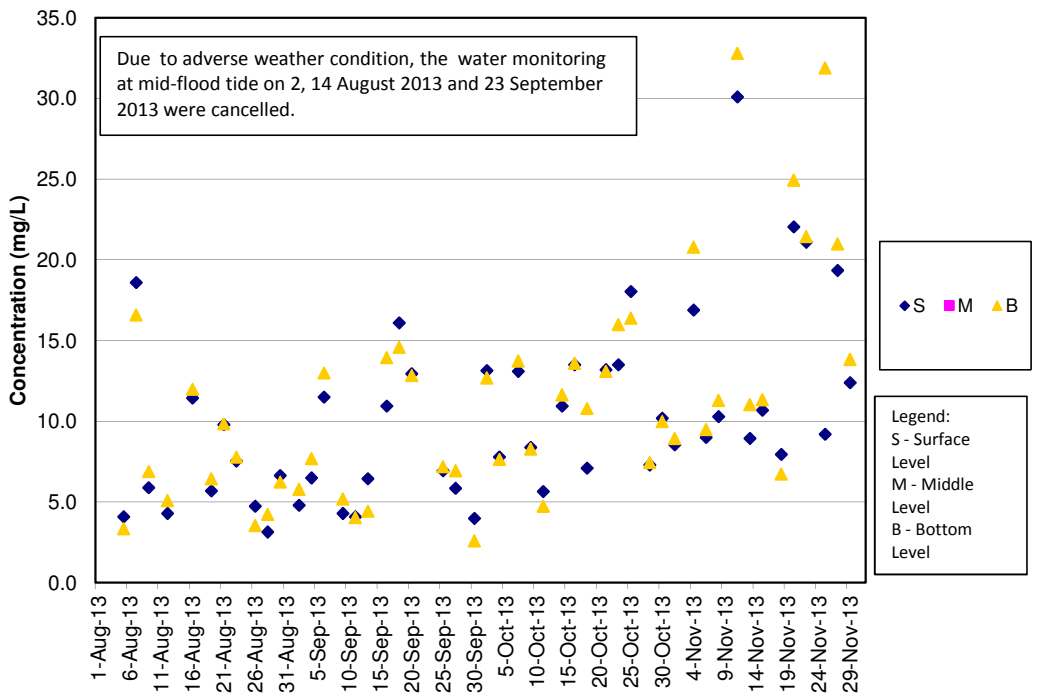
SS Concentrations at Station IS5 (Mid Flood)



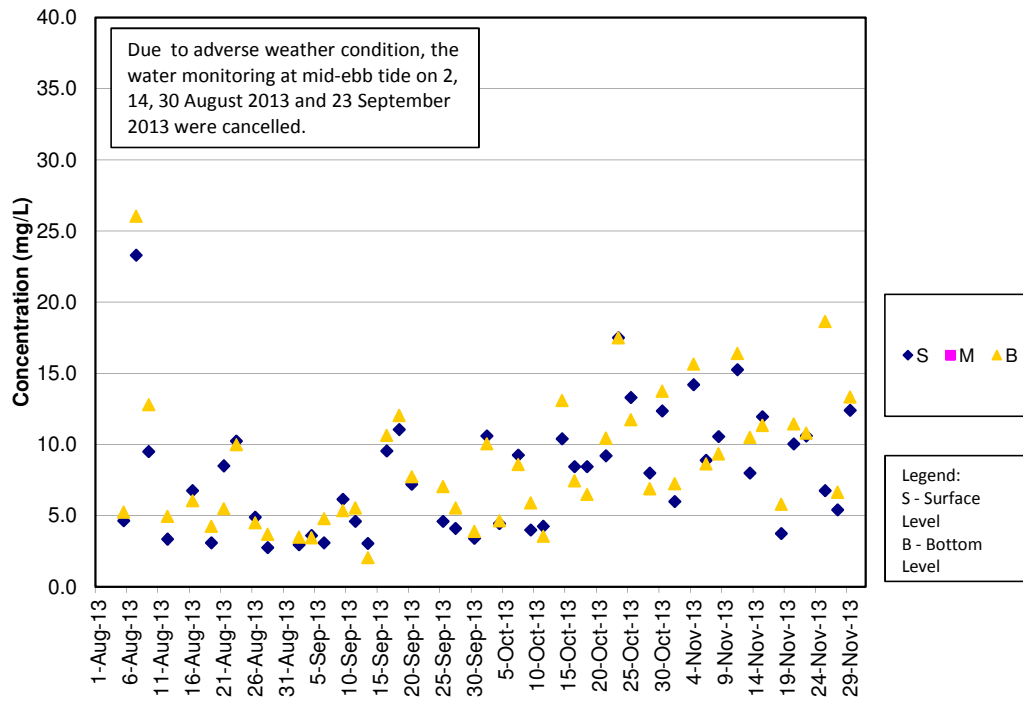
SS Concentrations at Station IS(Mf)6 (Mid Ebb)



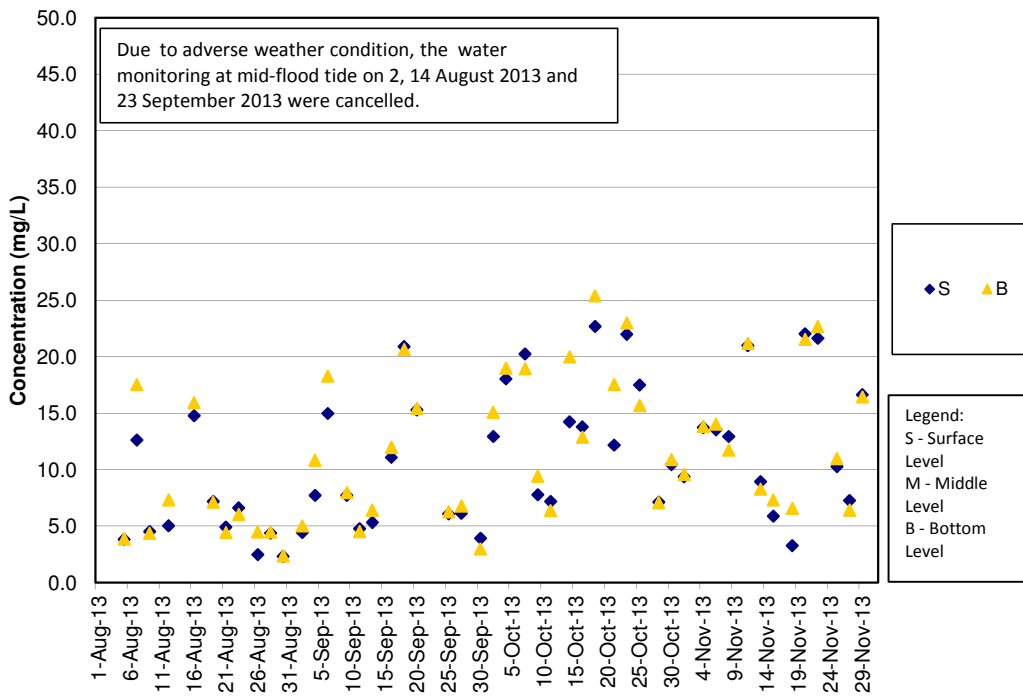
SS Concentrations at Station IS(Mf)6 (Mid Flood)



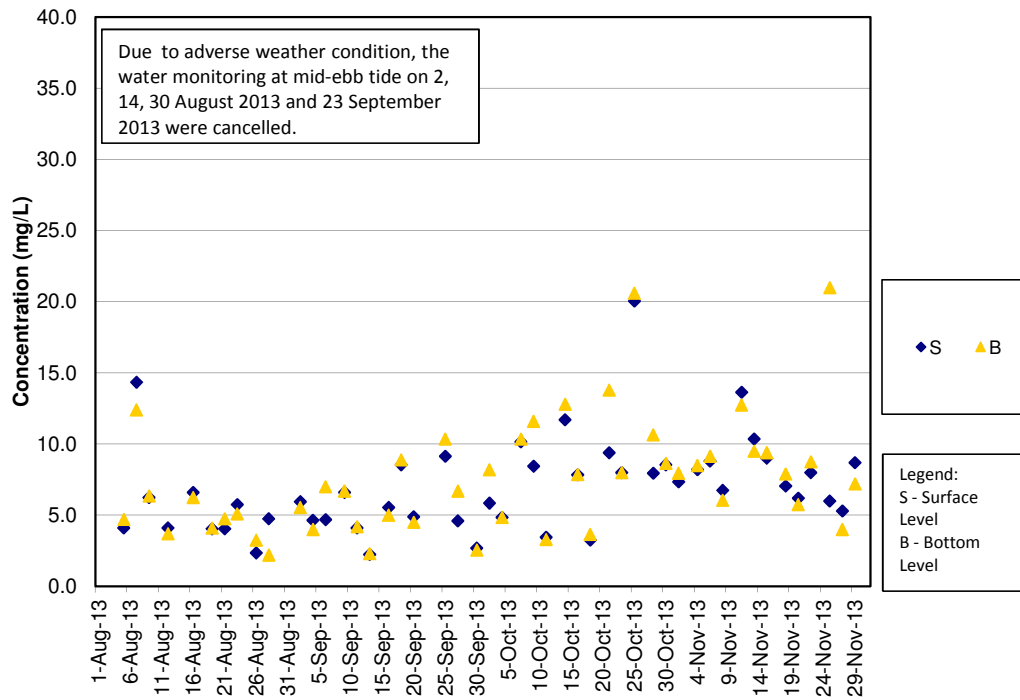
SS Concentrations at Station IS7 (Mid Ebb)



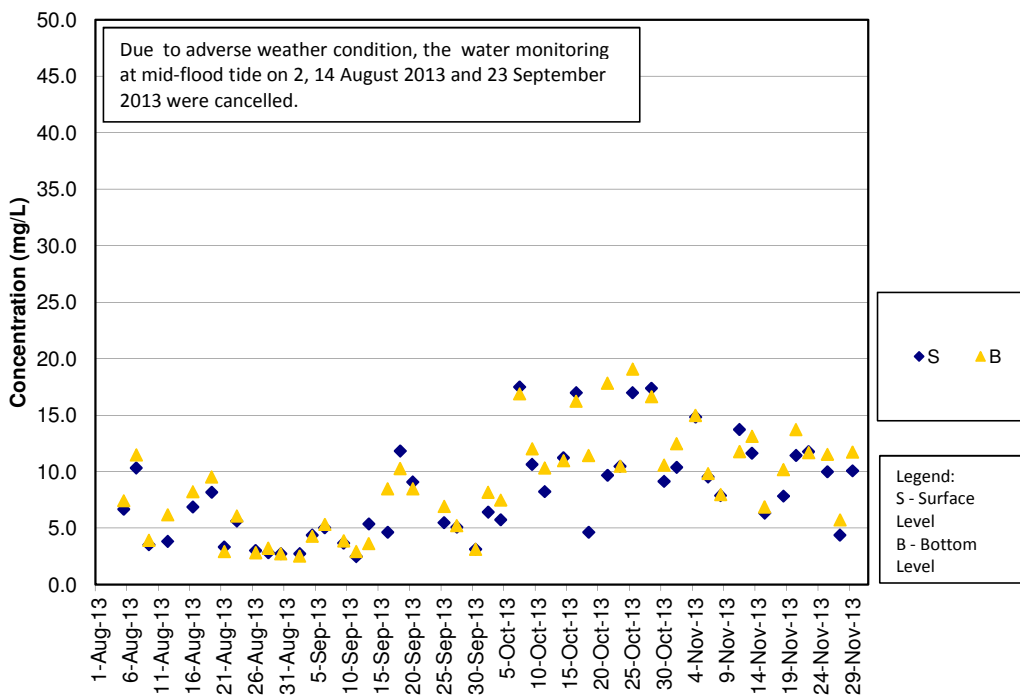
SS Concentrations at Station IS7 (Mid Flood)



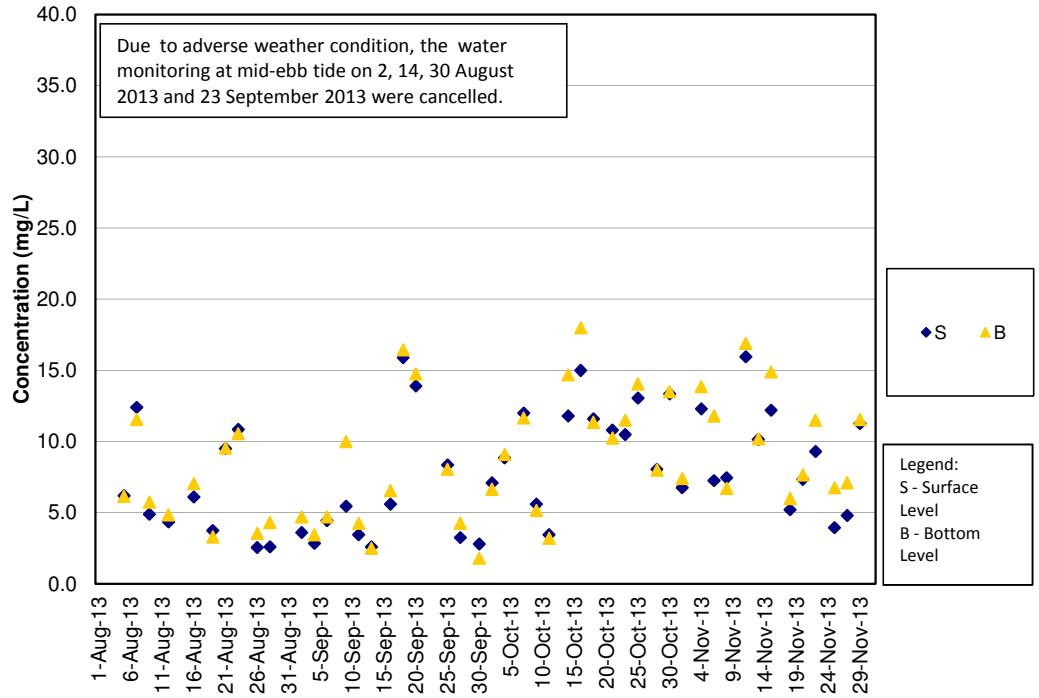
SS Concentrations at Station IS8 (Mid Ebb)



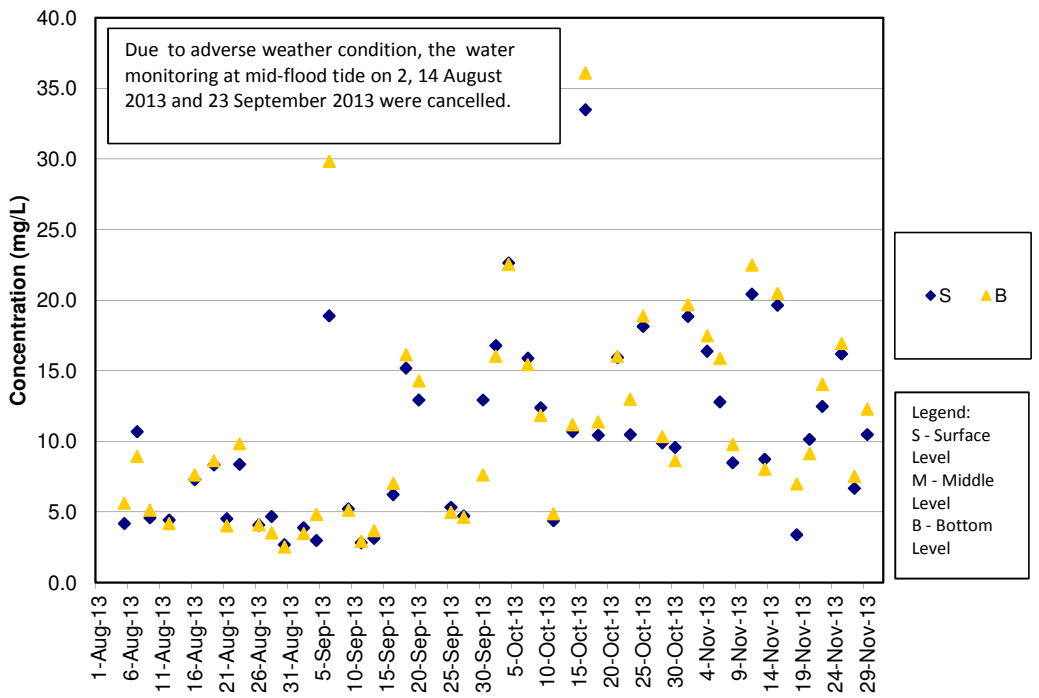
SS Concentrations at Station IS8 (Mid Flood)



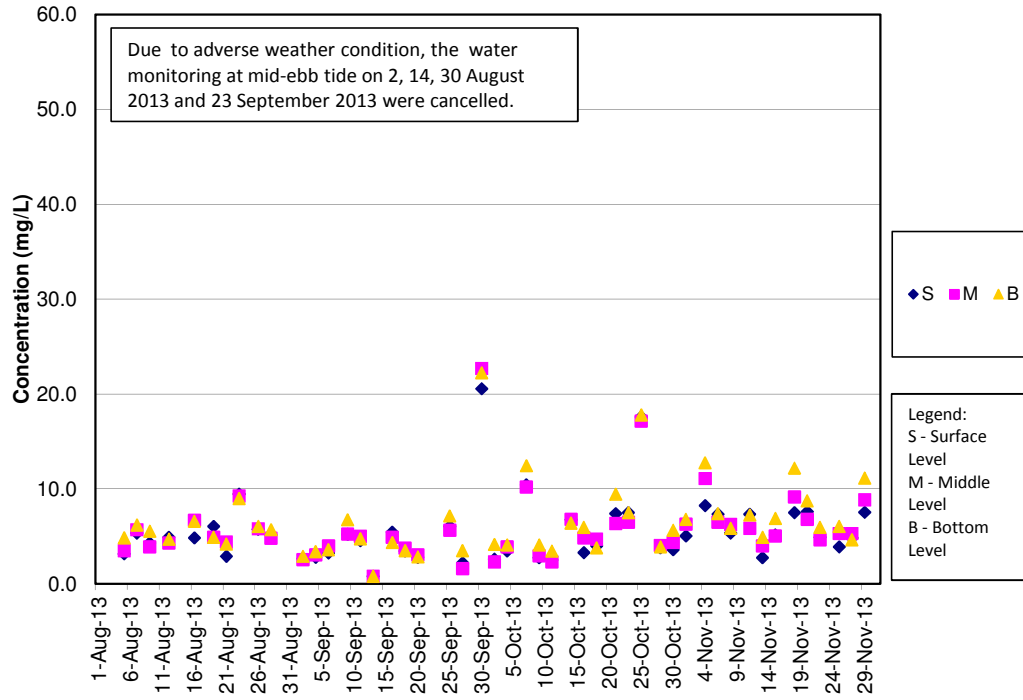
SS Concentrations at Station IS(Mf)9 (Mid Ebb)



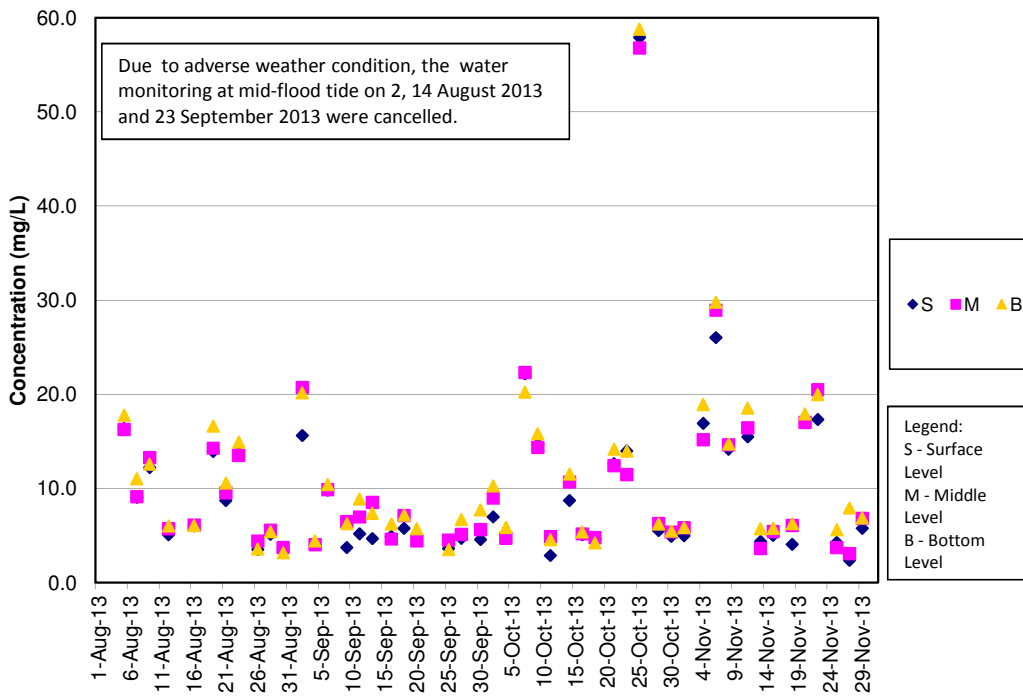
SS Concentrations at Station IS(Mf)9 (Mid Flood)



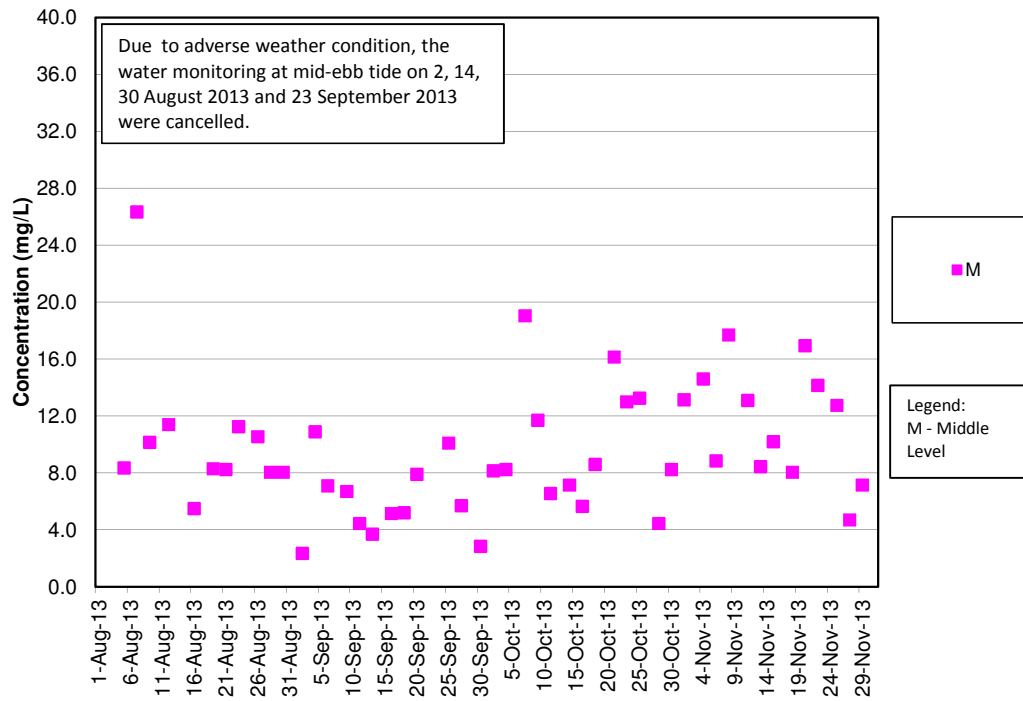
SS Concentrations at Station IS10 (Mid Ebb)



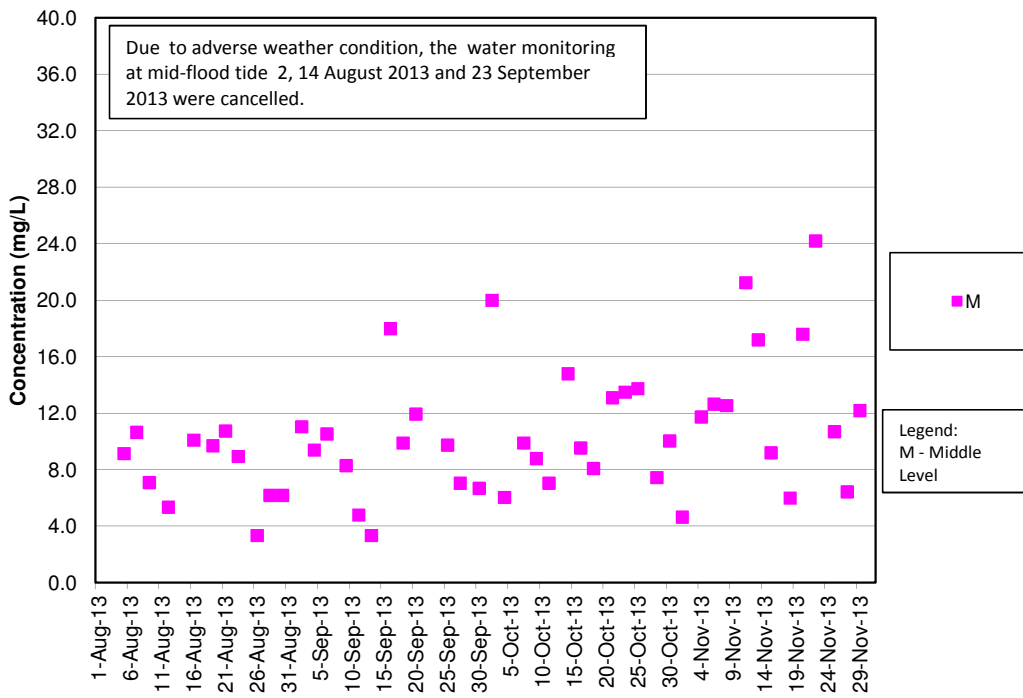
SS Concentrations at Station IS10 (Mid Flood)



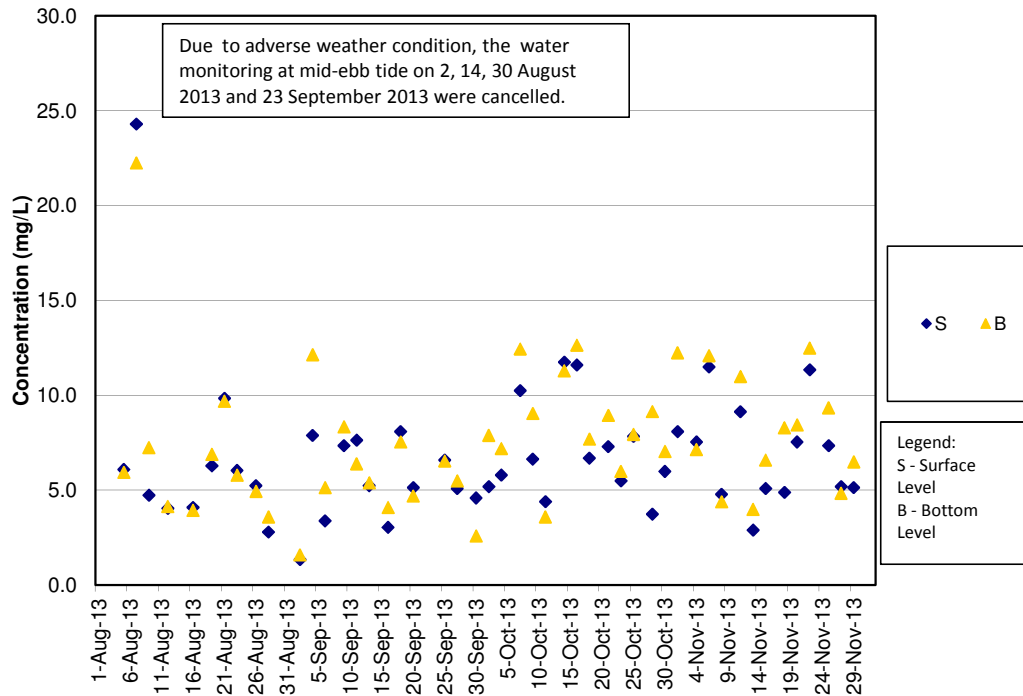
SS Concentrations at Station SR3 (Mid Ebb)



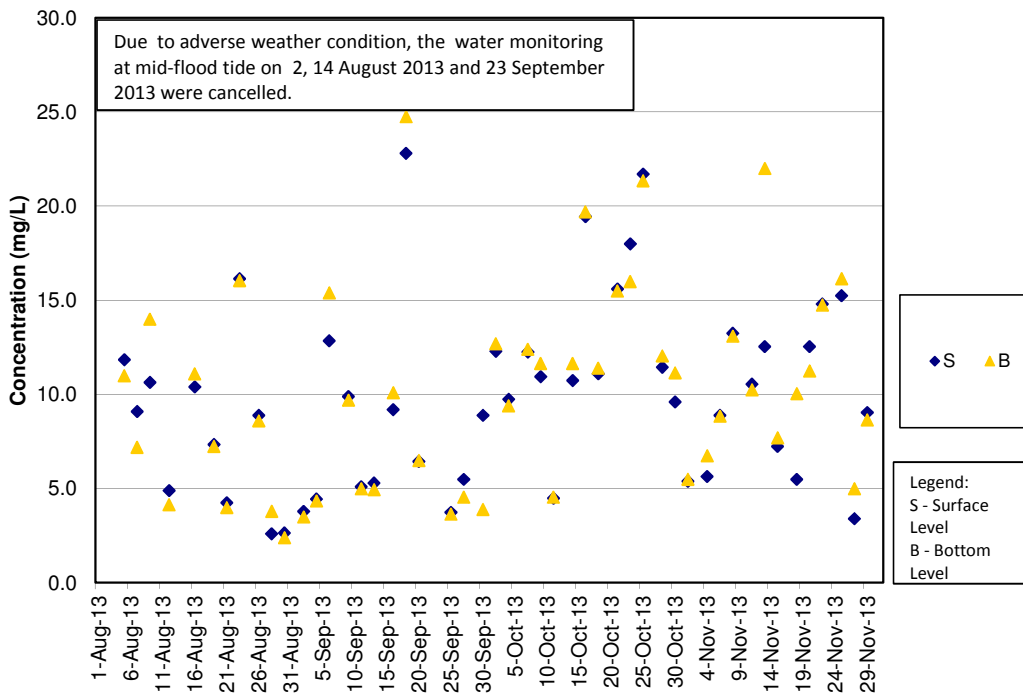
SS Concentrations at Station SR3 (Mid Flood)



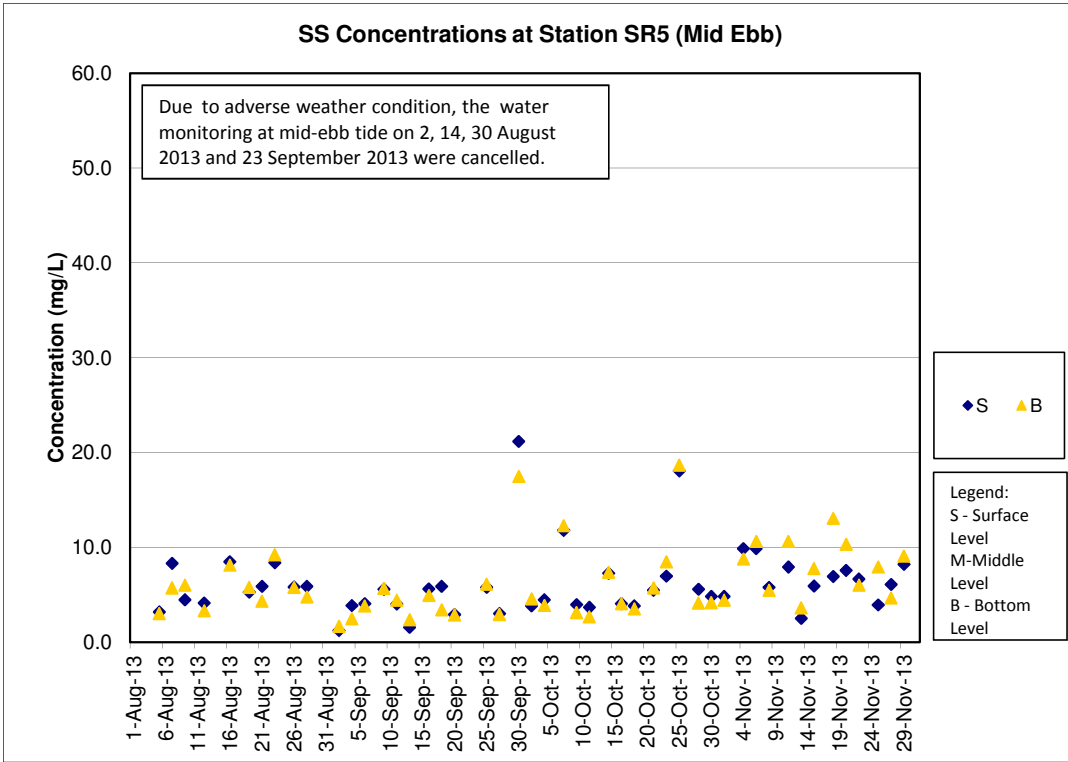
SS Concentrations at Station SR4 (Mid Ebb)



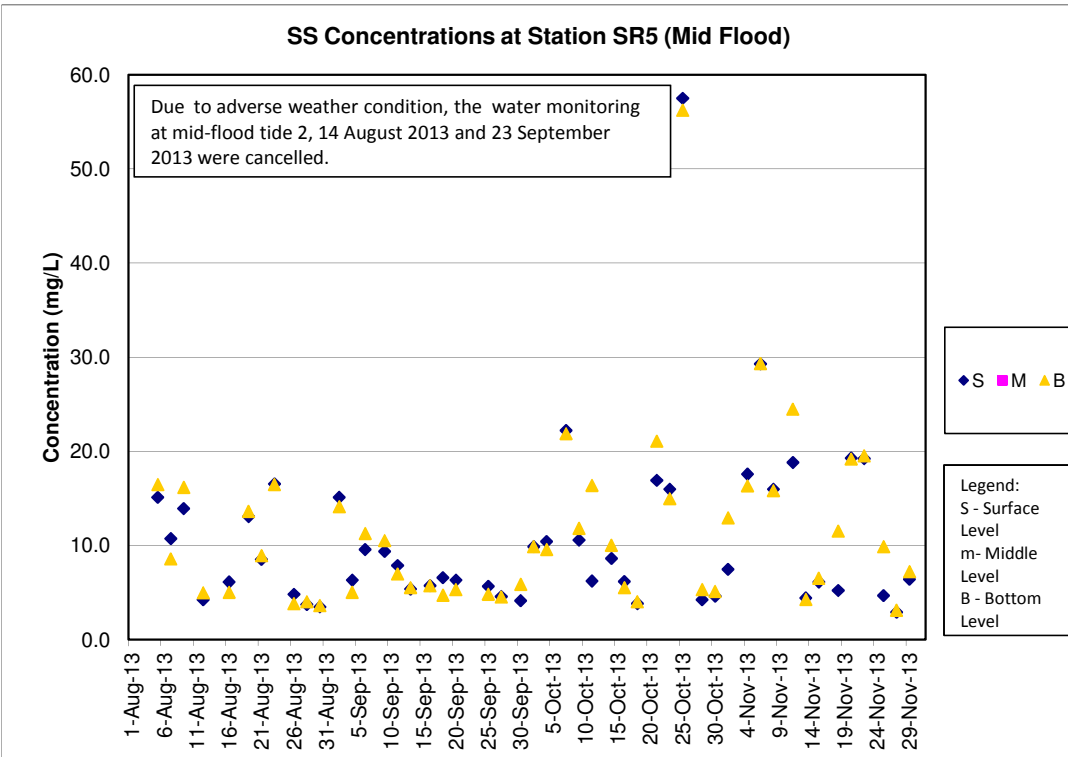
SS Concentrations at Station SR4 (Mid Flood)



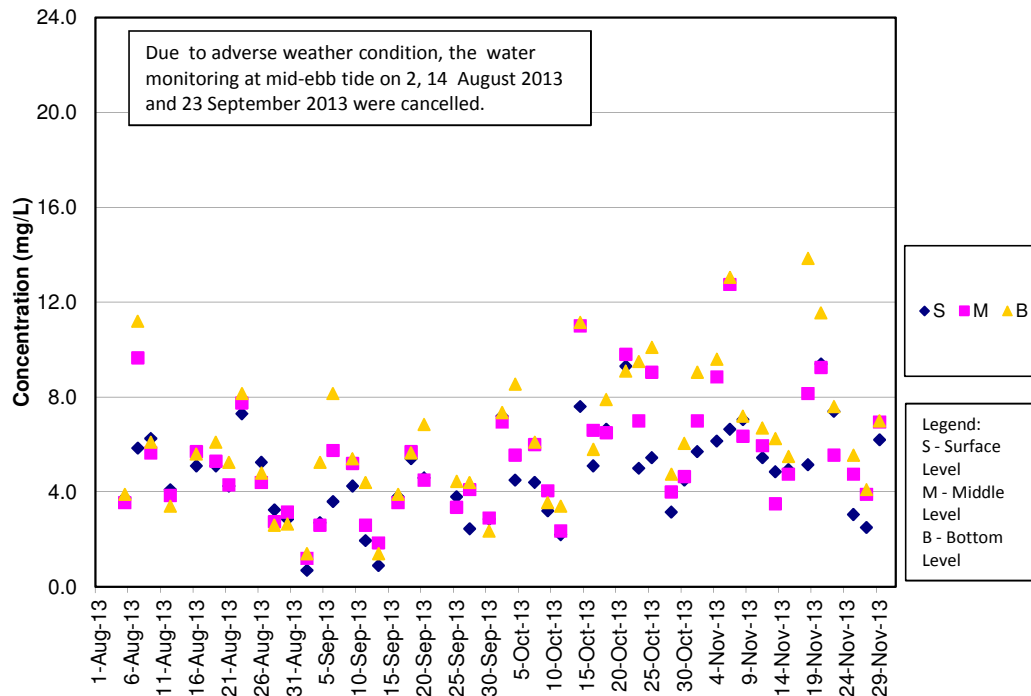
SS Concentrations at Station SR5 (Mid Ebb)



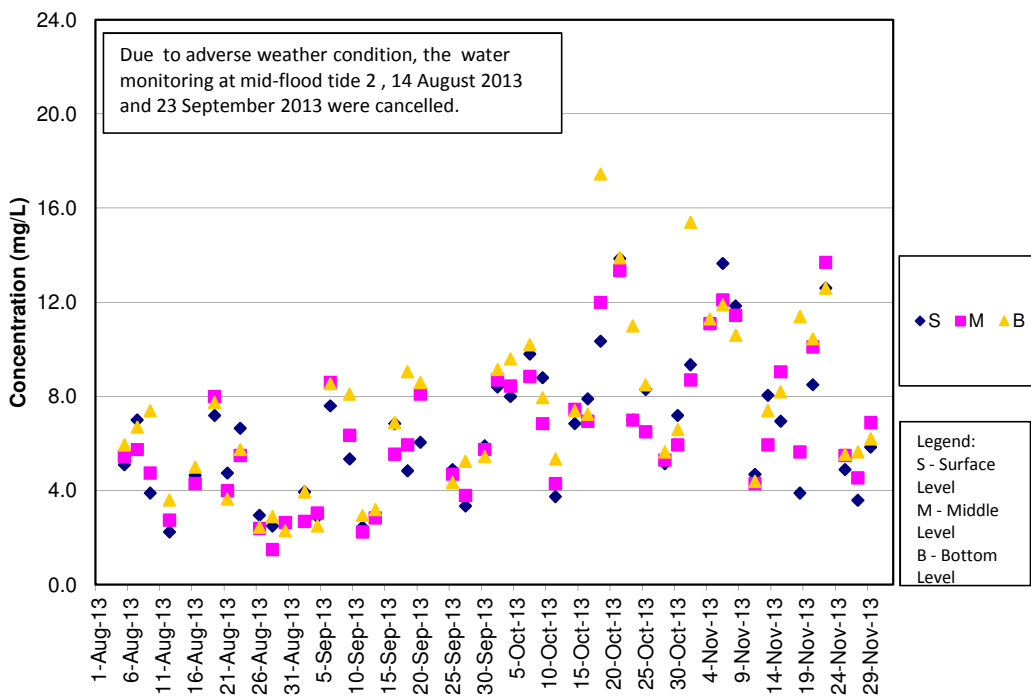
SS Concentrations at Station SR5 (Mid Flood)



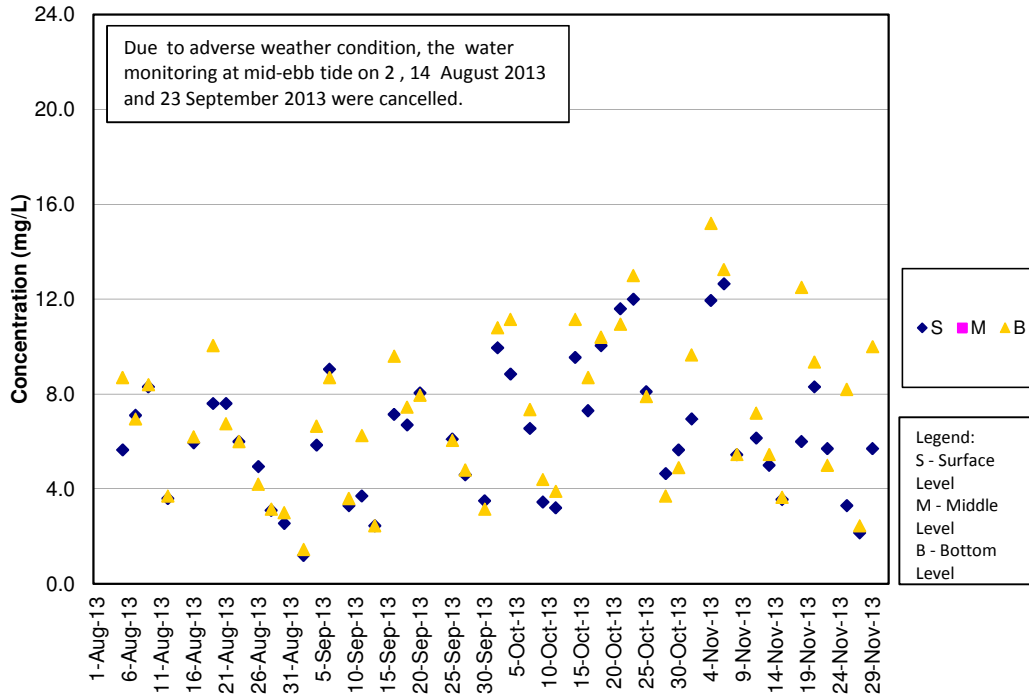
SS Concentrations at Station SR10A (Mid Ebb)



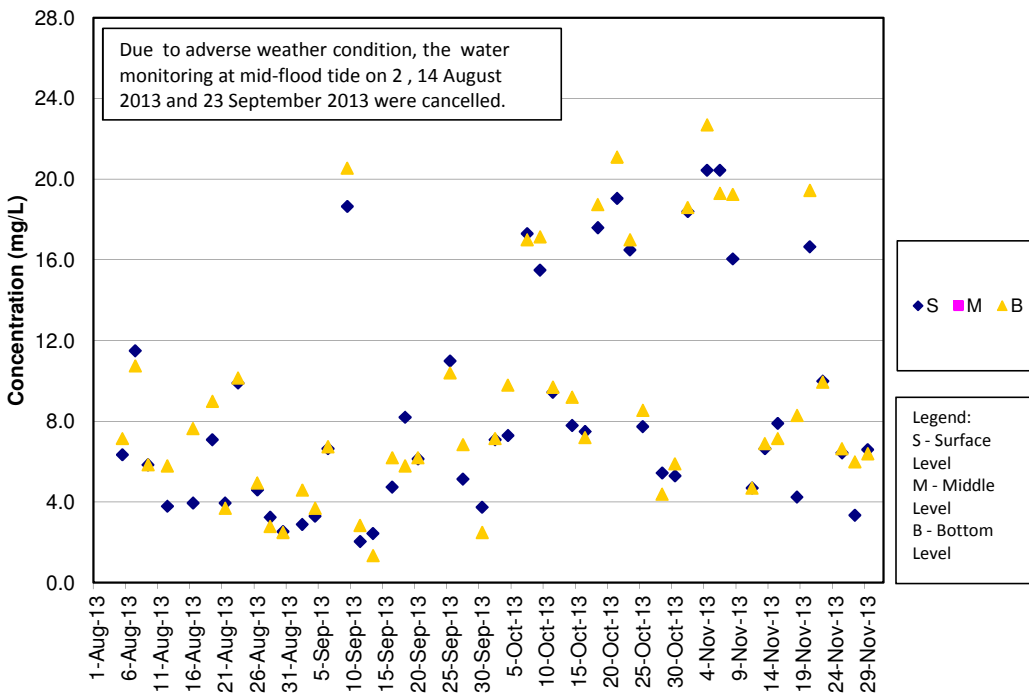
SS Concentrations at Station SR10A (Mid Flood)



SS Concentrations at Station SR10B (Mid Ebb)



SS Concentrations at Station SR10B (Mid Flood)





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
14th Monthly EM&A Report

APPENDIX F

Event and Action Plan



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

Event and Action Plan for Air Quality

Event	Action			
	ET	IEC	SO	Contractor
Exceedance of Action Level for one sample	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method. 	<ol style="list-style-type: none"> 1. Notify Contractor. 	<ol style="list-style-type: none"> 1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
Exceedance of Action Level for two or more consecutive samples	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 1. Submit noise mitigation proposals to IEC; 2. Implement noise mitigation proposals.
Exceedance of Limit Level	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET and Contractor's working methods. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of non-compliance in writing; 2. Notify Contractor. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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; 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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; 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET and Contractor; 2. Discuss monitoring results and findings with the ET and the Contractor. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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; 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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
	<p>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.</p>	<p>implementation of additional monitoring and/or any other mitigation measures and advise ER/SOR the results and findings accordingly.</p>	<p>and/or any other mitigation measures.</p>	

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.	<p>Review historical data to ensure differences are as a result of natural variation or previously observed seasonal differences;</p> <p>Identify source(s) of impact;</p> <p>Inform the IEC, SO and Contractor;</p> <p>Check monitoring data;</p> <p>Discuss additional monitoring and any other measures, with the IEC and Contractor.</p>	<p>Discuss monitoring with the ET and the Contractor;</p> <p>Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the SO accordingly.</p>	<p>Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET;</p> <p>Make agreement on the measures to be implemented.</p>	<p>Inform the SO and in writing;</p> <p>Discuss with the ET and the IEC and propose measures to the IEC and the ER;</p> <p>Implement the agreed measures.</p>



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
14th Monthly EM&A Report

APPENDIX G

Wind Data



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

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
01/11/2013	00:05	2	ESE	01/11/2013	04:40	0	---
01/11/2013	00:10	3	E	01/11/2013	04:45	0	---
01/11/2013	00:15	3	SE	01/11/2013	04:50	0	---
01/11/2013	00:20	2	ESE	01/11/2013	04:55	0	---
01/11/2013	00:25	1	E	01/11/2013	05:00	0	---
01/11/2013	00:30	3	E	01/11/2013	05:05	0	---
01/11/2013	00:35	4	ESE	01/11/2013	05:10	0	---
01/11/2013	00:40	4	E	01/11/2013	05:15	0	---
01/11/2013	00:45	2	E	01/11/2013	05:20	0	---
01/11/2013	00:50	1	ESE	01/11/2013	05:25	0	---
01/11/2013	00:55	2	WNW	01/11/2013	05:30	0	---
01/11/2013	01:00	3	NW	01/11/2013	05:35	0	---
01/11/2013	01:05	2	WNW	01/11/2013	05:40	0	---
01/11/2013	01:10	1	NW	01/11/2013	05:45	0	---
01/11/2013	01:15	2	SSE	01/11/2013	05:50	0	---
01/11/2013	01:20	1	SSE	01/11/2013	05:55	0	---
01/11/2013	01:25	2	SSE	01/11/2013	06:00	0	---
01/11/2013	01:30	3	ESE	01/11/2013	06:05	0	---
01/11/2013	01:35	4	SE	01/11/2013	06:10	0	---
01/11/2013	01:40	4	SE	01/11/2013	06:15	0	---
01/11/2013	01:45	4	SE	01/11/2013	06:20	0	---
01/11/2013	01:50	4	SSE	01/11/2013	06:25	0	---
01/11/2013	01:55	2	SE	01/11/2013	06:30	0	---
01/11/2013	02:00	0	---	01/11/2013	06:35	0	---
01/11/2013	02:05	1	N	01/11/2013	06:40	0	---
01/11/2013	02:10	0	---	01/11/2013	06:45	0	---
01/11/2013	02:15	0	---	01/11/2013	06:50	0	---
01/11/2013	02:20	1	W	01/11/2013	06:55	0	---
01/11/2013	02:25	2	WNW	01/11/2013	07:00	0	---
01/11/2013	02:30	1	NW	01/11/2013	07:05	0	---
01/11/2013	02:35	2	NW	01/11/2013	07:10	0	---
01/11/2013	02:40	1	WNW	01/11/2013	07:15	1	E
01/11/2013	02:45	0	---	01/11/2013	07:20	0	WNW
01/11/2013	02:50	0	---	01/11/2013	07:25	0	---
01/11/2013	02:55	0	---	01/11/2013	07:30	0	---
01/11/2013	03:00	0	---	01/11/2013	07:35	1	WNW
01/11/2013	03:05	0	---	01/11/2013	07:40	3	WSW
01/11/2013	03:10	0	---	01/11/2013	07:45	1	SSE
01/11/2013	03:15	0	---	01/11/2013	07:50	2	SSW
01/11/2013	03:20	1	WNW	01/11/2013	07:55	1	WNW
01/11/2013	03:25	2	WNW	01/11/2013	08:00	0	W
01/11/2013	03:30	0	---	01/11/2013	08:05	0	---
01/11/2013	03:35	0	---	01/11/2013	08:10	1	N
01/11/2013	03:40	0	---	01/11/2013	08:15	1	N
01/11/2013	03:45	0	---	01/11/2013	08:20	0	---
01/11/2013	03:50	0	---	01/11/2013	08:25	0	SSE
01/11/2013	03:55	0	---	01/11/2013	08:30	1	S
01/11/2013	04:00	0	---	01/11/2013	08:35	3	SE
01/11/2013	04:05	0	---	01/11/2013	08:40	3	SE
01/11/2013	04:10	0	---	01/11/2013	08:45	3	ESE
01/11/2013	04:15	0	---	01/11/2013	08:50	3	ESE
01/11/2013	04:20	0	---	01/11/2013	08:55	5	ESE
01/11/2013	04:25	0	---	01/11/2013	09:00	2	ESE
01/11/2013	04:30	0	---	01/11/2013	09:05	3	ESE
01/11/2013	04:35	0	---	01/11/2013	09:10	4	ESE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
01/11/2013	09:15	3	E	01/11/2013	13:50	0	---
01/11/2013	09:20	4	E	01/11/2013	13:55	0	---
01/11/2013	09:25	4	E	01/11/2013	14:00	1	ENE
01/11/2013	09:30	2	E	01/11/2013	14:05	1	ENE
01/11/2013	09:35	2	E	01/11/2013	14:10	1	ENE
01/11/2013	09:40	2	E	01/11/2013	14:15	1	ENE
01/11/2013	09:45	2	ENE	01/11/2013	14:20	2	NE
01/11/2013	09:50	1	E	01/11/2013	14:25	2	NNE
01/11/2013	09:55	1	NNE	01/11/2013	14:30	1	N
01/11/2013	10:00	0	NNE	01/11/2013	14:35	1	NE
01/11/2013	10:05	0	---	01/11/2013	14:40	1	NNE
01/11/2013	10:10	0	---	01/11/2013	14:45	2	E
01/11/2013	10:15	0	---	01/11/2013	14:50	2	E
01/11/2013	10:20	0	ENE	01/11/2013	14:55	2	NE
01/11/2013	10:25	1	ESE	01/11/2013	15:00	2	NE
01/11/2013	10:30	1	E	01/11/2013	15:05	4	NNE
01/11/2013	10:35	0	SSW	01/11/2013	15:10	4	NNE
01/11/2013	10:40	0	NE	01/11/2013	15:15	4	N
01/11/2013	10:45	1	N	01/11/2013	15:20	4	N
01/11/2013	10:50	1	N	01/11/2013	15:25	4	N
01/11/2013	10:55	0	N	01/11/2013	15:30	3	N
01/11/2013	11:00	0	---	01/11/2013	15:35	4	N
01/11/2013	11:05	1	ESE	01/11/2013	15:40	3	NNE
01/11/2013	11:10	1	ENE	01/11/2013	15:45	3	NNE
01/11/2013	11:15	1	E	01/11/2013	15:50	5	NNW
01/11/2013	11:20	0	E	01/11/2013	15:55	4	N
01/11/2013	11:25	1	ENE	01/11/2013	16:00	1	NNE
01/11/2013	11:30	0	NE	01/11/2013	16:05	1	NW
01/11/2013	11:35	0	NE	01/11/2013	16:10	3	NNW
01/11/2013	11:40	0	NE	01/11/2013	16:15	2	NW
01/11/2013	11:45	1	NE	01/11/2013	16:20	4	NNW
01/11/2013	11:50	1	NE	01/11/2013	16:25	3	WNW
01/11/2013	11:55	1	NE	01/11/2013	16:30	2	WNW
01/11/2013	12:00	1	NE	01/11/2013	16:35	2	W
01/11/2013	12:05	1	NE	01/11/2013	16:40	2	NW
01/11/2013	12:10	1	NE	01/11/2013	16:45	2	NNW
01/11/2013	12:15	2	NE	01/11/2013	16:50	3	NNW
01/11/2013	12:20	1	NE	01/11/2013	16:55	1	WNW
01/11/2013	12:25	0	E	01/11/2013	17:00	3	WNW
01/11/2013	12:30	3	ESE	01/11/2013	17:05	3	WNW
01/11/2013	12:35	2	SSE	01/11/2013	17:10	1	NW
01/11/2013	12:40	3	ESE	01/11/2013	17:15	0	WNW
01/11/2013	12:45	4	SE	01/11/2013	17:20	0	W
01/11/2013	12:50	3	E	01/11/2013	17:25	0	W
01/11/2013	12:55	3	E	01/11/2013	17:30	0	SSE
01/11/2013	13:00	2	NE	01/11/2013	17:35	0	---
01/11/2013	13:05	2	ENE	01/11/2013	17:40	0	---
01/11/2013	13:10	1	NE	01/11/2013	17:45	0	---
01/11/2013	13:15	1	ENE	01/11/2013	17:50	0	---
01/11/2013	13:20	2	ENE	01/11/2013	17:55	0	---
01/11/2013	13:25	1	ENE	01/11/2013	18:00	0	---
01/11/2013	13:30	0	ENE	01/11/2013	18:05	0	---
01/11/2013	13:35	1	NE	01/11/2013	18:10	0	---
01/11/2013	13:40	0	NE	01/11/2013	18:15	0	---
01/11/2013	13:45	0	---	01/11/2013	18:20	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
01/11/2013	18:25	0	---	01/11/2013	23:00	0	---
01/11/2013	18:30	0	---	01/11/2013	23:05	0	---
01/11/2013	18:35	0	---	01/11/2013	23:10	0	---
01/11/2013	18:40	0	---	01/11/2013	23:15	1	SSW
01/11/2013	18:45	0	---	01/11/2013	23:20	0	SSW
01/11/2013	18:50	0	---	01/11/2013	23:25	0	---
01/11/2013	18:55	0	---	01/11/2013	23:30	0	---
01/11/2013	19:00	0	---	01/11/2013	23:35	2	S
01/11/2013	19:05	0	---	01/11/2013	23:40	2	SSW
01/11/2013	19:10	0	---	01/11/2013	23:45	1	SW
01/11/2013	19:15	1	WNW	01/11/2013	23:50	1	SW
01/11/2013	19:20	0	---	01/11/2013	23:55	0	SW
01/11/2013	19:25	0	---	02/11/2013	00:00	0	---
01/11/2013	19:30	0	---	02/11/2013	00:05	0	SW
01/11/2013	19:35	0	---	02/11/2013	00:10	0	SW
01/11/2013	19:40	0	---	02/11/2013	00:15	0	---
01/11/2013	19:45	0	---	02/11/2013	00:20	0	---
01/11/2013	19:50	0	---	02/11/2013	00:25	0	---
01/11/2013	19:55	0	---	02/11/2013	00:30	0	---
01/11/2013	20:00	0	---	02/11/2013	00:35	0	SW
01/11/2013	20:05	0	---	02/11/2013	00:40	0	SW
01/11/2013	20:10	0	---	02/11/2013	00:45	0	---
01/11/2013	20:15	0	---	02/11/2013	00:50	0	---
01/11/2013	20:20	0	---	02/11/2013	00:55	0	---
01/11/2013	20:25	0	---	02/11/2013	01:00	0	---
01/11/2013	20:30	0	---	02/11/2013	01:05	0	---
01/11/2013	20:35	0	---	02/11/2013	01:10	1	SW
01/11/2013	20:40	0	---	02/11/2013	01:15	0	SW
01/11/2013	20:45	0	---	02/11/2013	01:20	0	---
01/11/2013	20:50	0	---	02/11/2013	01:25	0	---
01/11/2013	20:55	0	---	02/11/2013	01:30	0	---
01/11/2013	21:00	0	---	02/11/2013	01:35	0	---
01/11/2013	21:05	0	---	02/11/2013	01:40	0	---
01/11/2013	21:10	0	---	02/11/2013	01:45	0	---
01/11/2013	21:15	0	---	02/11/2013	01:50	0	---
01/11/2013	21:20	1	W	02/11/2013	01:55	0	---
01/11/2013	21:25	0	---	02/11/2013	02:00	0	---
01/11/2013	21:30	0	W	02/11/2013	02:05	0	---
01/11/2013	21:35	1	ESE	02/11/2013	02:10	0	---
01/11/2013	21:40	0	---	02/11/2013	02:15	0	---
01/11/2013	21:45	0	ESE	02/11/2013	02:20	0	---
01/11/2013	21:50	0	W	02/11/2013	02:25	0	---
01/11/2013	21:55	1	NW	02/11/2013	02:30	3	WNW
01/11/2013	22:00	0	NW	02/11/2013	02:35	1	W
01/11/2013	22:05	0	NNW	02/11/2013	02:40	1	S
01/11/2013	22:10	1	WNW	02/11/2013	02:45	0	---
01/11/2013	22:15	0	WNW	02/11/2013	02:50	0	WSW
01/11/2013	22:20	0	---	02/11/2013	02:55	1	WNW
01/11/2013	22:25	0	---	02/11/2013	03:00	1	NW
01/11/2013	22:30	0	---	02/11/2013	03:05	1	NW
01/11/2013	22:35	0	---	02/11/2013	03:10	1	NW
01/11/2013	22:40	0	---	02/11/2013	03:15	0	NW
01/11/2013	22:45	0	---	02/11/2013	03:20	0	WSW
01/11/2013	22:50	0	---	02/11/2013	03:25	1	W
01/11/2013	22:55	0	---	02/11/2013	03:30	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
02/11/2013	03:35	0	---	02/11/2013	08:10	5	E
02/11/2013	03:40	0	---	02/11/2013	08:15	6	E
02/11/2013	03:45	1	WSW	02/11/2013	08:20	4	ESE
02/11/2013	03:50	2	SSE	02/11/2013	08:25	4	ESE
02/11/2013	03:55	0	SSW	02/11/2013	08:30	4	E
02/11/2013	04:00	1	SSE	02/11/2013	08:35	7	E
02/11/2013	04:05	0	---	02/11/2013	08:40	7	E
02/11/2013	04:10	0	---	02/11/2013	08:45	7	E
02/11/2013	04:15	0	---	02/11/2013	08:50	9	E
02/11/2013	04:20	0	---	02/11/2013	08:55	9	E
02/11/2013	04:25	0	---	02/11/2013	09:00	6	E
02/11/2013	04:30	0	---	02/11/2013	09:05	5	E
02/11/2013	04:35	0	---	02/11/2013	09:10	4	E
02/11/2013	04:40	0	---	02/11/2013	09:15	4	E
02/11/2013	04:45	0	---	02/11/2013	09:20	4	E
02/11/2013	04:50	0	---	02/11/2013	09:25	3	E
02/11/2013	04:55	0	---	02/11/2013	09:30	5	E
02/11/2013	05:00	2	ESE	02/11/2013	09:35	6	E
02/11/2013	05:05	2	S	02/11/2013	09:40	5	E
02/11/2013	05:10	1	NNW	02/11/2013	09:45	5	ESE
02/11/2013	05:15	1	SSW	02/11/2013	09:50	4	E
02/11/2013	05:20	4	ESE	02/11/2013	09:55	6	E
02/11/2013	05:25	3	ESE	02/11/2013	10:00	6	E
02/11/2013	05:30	3	SSE	02/11/2013	10:05	8	E
02/11/2013	05:35	2	SE	02/11/2013	10:10	8	E
02/11/2013	05:40	2	ESE	02/11/2013	10:15	7	E
02/11/2013	05:45	1	SSE	02/11/2013	10:20	5	E
02/11/2013	05:50	0	---	02/11/2013	10:25	6	E
02/11/2013	05:55	0	---	02/11/2013	10:30	9	E
02/11/2013	06:00	0	---	02/11/2013	10:35	9	E
02/11/2013	06:05	0	---	02/11/2013	10:40	8	E
02/11/2013	06:10	2	ESE	02/11/2013	10:45	8	E
02/11/2013	06:15	3	ESE	02/11/2013	10:50	6	E
02/11/2013	06:20	3	SE	02/11/2013	10:55	6	E
02/11/2013	06:25	3	ESE	02/11/2013	11:00	6	E
02/11/2013	06:30	5	E	02/11/2013	11:05	5	E
02/11/2013	06:35	2	ESE	02/11/2013	11:10	4	E
02/11/2013	06:40	3	ESE	02/11/2013	11:15	6	E
02/11/2013	06:45	3	ESE	02/11/2013	11:20	6	E
02/11/2013	06:50	4	ESE	02/11/2013	11:25	9	E
02/11/2013	06:55	3	SSE	02/11/2013	11:30	6	E
02/11/2013	07:00	4	SE	02/11/2013	11:35	7	E
02/11/2013	07:05	2	SSE	02/11/2013	11:40	6	E
02/11/2013	07:10	2	SE	02/11/2013	11:45	7	E
02/11/2013	07:15	3	ESE	02/11/2013	11:50	7	E
02/11/2013	07:20	3	ESE	02/11/2013	11:55	6	E
02/11/2013	07:25	2	SE	02/11/2013	12:00	6	ESE
02/11/2013	07:30	4	E	02/11/2013	12:05	6	E
02/11/2013	07:35	3	ESE	02/11/2013	12:10	6	E
02/11/2013	07:40	4	ESE	02/11/2013	12:15	5	E
02/11/2013	07:45	3	E	02/11/2013	12:20	5	E
02/11/2013	07:50	3	ESE	02/11/2013	12:25	5	E
02/11/2013	07:55	3	SE	02/11/2013	12:30	5	E
02/11/2013	08:00	3	E	02/11/2013	12:35	6	E
02/11/2013	08:05	3	ESE	02/11/2013	12:40	5	ESE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
02/11/2013	12:45	4	E	02/11/2013	17:20	5	SSE
02/11/2013	12:50	4	ESE	02/11/2013	17:25	5	SE
02/11/2013	12:55	4	E	02/11/2013	17:30	6	SSE
02/11/2013	13:00	5	E	02/11/2013	17:35	5	SSE
02/11/2013	13:05	5	ESE	02/11/2013	17:40	5	SSE
02/11/2013	13:10	6	E	02/11/2013	17:45	5	SE
02/11/2013	13:15	7	E	02/11/2013	17:50	6	SE
02/11/2013	13:20	7	E	02/11/2013	17:55	5	ESE
02/11/2013	13:25	5	E	02/11/2013	18:00	3	SSE
02/11/2013	13:30	6	E	02/11/2013	18:05	4	SE
02/11/2013	13:35	6	ESE	02/11/2013	18:10	4	SSE
02/11/2013	13:40	4	ESE	02/11/2013	18:15	4	SSE
02/11/2013	13:45	6	SE	02/11/2013	18:20	4	SSE
02/11/2013	13:50	6	SE	02/11/2013	18:25	4	SSE
02/11/2013	13:55	4	E	02/11/2013	18:30	4	SSE
02/11/2013	14:00	6	E	02/11/2013	18:35	6	SSE
02/11/2013	14:05	6	E	02/11/2013	18:40	5	SSE
02/11/2013	14:10	6	ESE	02/11/2013	18:45	5	SSE
02/11/2013	14:15	6	ESE	02/11/2013	18:50	5	SSE
02/11/2013	14:20	4	ESE	02/11/2013	18:55	6	SE
02/11/2013	14:25	4	ESE	02/11/2013	19:00	4	SSE
02/11/2013	14:30	5	SE	02/11/2013	19:05	4	SSE
02/11/2013	14:35	5	SE	02/11/2013	19:10	4	SSE
02/11/2013	14:40	5	ESE	02/11/2013	19:15	3	SE
02/11/2013	14:45	4	SE	02/11/2013	19:20	4	SE
02/11/2013	14:50	5	ESE	02/11/2013	19:25	4	SE
02/11/2013	14:55	5	E	02/11/2013	19:30	3	SSE
02/11/2013	15:00	5	E	02/11/2013	19:35	3	SSE
02/11/2013	15:05	5	E	02/11/2013	19:40	2	SE
02/11/2013	15:10	3	SE	02/11/2013	19:45	1	SSE
02/11/2013	15:15	4	SE	02/11/2013	19:50	1	SSE
02/11/2013	15:20	6	SE	02/11/2013	19:55	2	ESE
02/11/2013	15:25	4	SSE	02/11/2013	20:00	2	ESE
02/11/2013	15:30	4	SSE	02/11/2013	20:05	2	SE
02/11/2013	15:35	4	ESE	02/11/2013	20:10	2	SE
02/11/2013	15:40	5	SE	02/11/2013	20:15	2	ESE
02/11/2013	15:45	5	SE	02/11/2013	20:20	2	SE
02/11/2013	15:50	4	SSE	02/11/2013	20:25	3	SE
02/11/2013	15:55	5	SE	02/11/2013	20:30	3	SE
02/11/2013	16:00	4	SE	02/11/2013	20:35	2	SE
02/11/2013	16:05	5	SE	02/11/2013	20:40	3	SSE
02/11/2013	16:10	4	SSE	02/11/2013	20:45	3	SSE
02/11/2013	16:15	5	SSE	02/11/2013	20:50	1	S
02/11/2013	16:20	4	SE	02/11/2013	20:55	1	S
02/11/2013	16:25	5	SSE	02/11/2013	21:00	2	SE
02/11/2013	16:30	5	SE	02/11/2013	21:05	2	SE
02/11/2013	16:35	5	SSE	02/11/2013	21:10	1	S
02/11/2013	16:40	5	SE	02/11/2013	21:15	2	ESE
02/11/2013	16:45	4	SSE	02/11/2013	21:20	1	SSE
02/11/2013	16:50	5	SSE	02/11/2013	21:25	3	SSE
02/11/2013	16:55	6	SSE	02/11/2013	21:30	3	SSE
02/11/2013	17:00	6	SE	02/11/2013	21:35	3	SE
02/11/2013	17:05	7	SE	02/11/2013	21:40	4	SSE
02/11/2013	17:10	6	SE	02/11/2013	21:45	4	SSE
02/11/2013	17:15	6	SSE	02/11/2013	21:50	4	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
02/11/2013	21:55	3	SE	03/11/2013	02:30	5	SE
02/11/2013	22:00	2	SE	03/11/2013	02:35	5	SSE
02/11/2013	22:05	3	SE	03/11/2013	02:40	4	SSE
02/11/2013	22:10	2	SSE	03/11/2013	02:45	5	SSE
02/11/2013	22:15	2	SE	03/11/2013	02:50	5	SE
02/11/2013	22:20	2	SSE	03/11/2013	02:55	4	SE
02/11/2013	22:25	2	ESE	03/11/2013	03:00	4	SSE
02/11/2013	22:30	3	E	03/11/2013	03:05	3	SE
02/11/2013	22:35	3	ENE	03/11/2013	03:10	4	E
02/11/2013	22:40	4	ENE	03/11/2013	03:15	3	SE
02/11/2013	22:45	2	ESE	03/11/2013	03:20	4	SE
02/11/2013	22:50	3	E	03/11/2013	03:25	3	SSE
02/11/2013	22:55	3	E	03/11/2013	03:30	4	SE
02/11/2013	23:00	2	E	03/11/2013	03:35	4	SSE
02/11/2013	23:05	5	E	03/11/2013	03:40	4	SSE
02/11/2013	23:10	5	E	03/11/2013	03:45	3	SE
02/11/2013	23:15	4	ESE	03/11/2013	03:50	4	SSE
02/11/2013	23:20	6	E	03/11/2013	03:55	3	ESE
02/11/2013	23:25	5	E	03/11/2013	04:00	4	SSE
02/11/2013	23:30	6	E	03/11/2013	04:05	4	SE
02/11/2013	23:35	5	E	03/11/2013	04:10	4	SE
02/11/2013	23:40	4	E	03/11/2013	04:15	4	ESE
02/11/2013	23:45	4	E	03/11/2013	04:20	4	E
02/11/2013	23:50	4	E	03/11/2013	04:25	5	SE
02/11/2013	23:55	4	E	03/11/2013	04:30	3	E
03/11/2013	00:00	3	ESE	03/11/2013	04:35	4	SE
03/11/2013	00:05	3	E	03/11/2013	04:40	3	ESE
03/11/2013	00:10	4	E	03/11/2013	04:45	4	ESE
03/11/2013	00:15	3	SE	03/11/2013	04:50	7	E
03/11/2013	00:20	4	SSE	03/11/2013	04:55	6	E
03/11/2013	00:25	3	SE	03/11/2013	05:00	3	ESE
03/11/2013	00:30	4	SSE	03/11/2013	05:05	5	E
03/11/2013	00:35	2	SE	03/11/2013	05:10	4	ESE
03/11/2013	00:40	2	SSE	03/11/2013	05:15	4	SE
03/11/2013	00:45	3	SSE	03/11/2013	05:20	4	SE
03/11/2013	00:50	4	SSE	03/11/2013	05:25	5	SSE
03/11/2013	00:55	4	SE	03/11/2013	05:30	5	ESE
03/11/2013	01:00	5	SSE	03/11/2013	05:35	4	SSE
03/11/2013	01:05	4	SSE	03/11/2013	05:40	5	SSE
03/11/2013	01:10	4	SE	03/11/2013	05:45	4	SE
03/11/2013	01:15	3	SE	03/11/2013	05:50	4	SSE
03/11/2013	01:20	3	ESE	03/11/2013	05:55	4	SE
03/11/2013	01:25	5	SSE	03/11/2013	06:00	6	SE
03/11/2013	01:30	5	SSE	03/11/2013	06:05	5	ESE
03/11/2013	01:35	5	SSE	03/11/2013	06:10	4	SE
03/11/2013	01:40	4	SSE	03/11/2013	06:15	5	ESE
03/11/2013	01:45	5	SSE	03/11/2013	06:20	3	ESE
03/11/2013	01:50	3	SSE	03/11/2013	06:25	4	SSE
03/11/2013	01:55	2	SSE	03/11/2013	06:30	3	SE
03/11/2013	02:00	3	SE	03/11/2013	06:35	2	SE
03/11/2013	02:05	4	SSE	03/11/2013	06:40	5	E
03/11/2013	02:10	4	SSE	03/11/2013	06:45	5	ESE
03/11/2013	02:15	4	SSE	03/11/2013	06:50	4	E
03/11/2013	02:20	4	SE	03/11/2013	06:55	5	E
03/11/2013	02:25	4	ESE	03/11/2013	07:00	6	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
03/11/2013	07:05	10	E	03/11/2013	11:40	7	ESE
03/11/2013	07:10	9	E	03/11/2013	11:45	8	E
03/11/2013	07:15	7	E	03/11/2013	11:50	7	E
03/11/2013	07:20	7	E	03/11/2013	11:55	9	E
03/11/2013	07:25	3	ESE	03/11/2013	12:00	9	E
03/11/2013	07:30	3	ESE	03/11/2013	12:05	9	E
03/11/2013	07:35	3	ESE	03/11/2013	12:10	9	E
03/11/2013	07:40	5	E	03/11/2013	12:15	10	E
03/11/2013	07:45	6	E	03/11/2013	12:20	9	E
03/11/2013	07:50	6	SSE	03/11/2013	12:25	11	E
03/11/2013	07:55	6	ESE	03/11/2013	12:30	7	E
03/11/2013	08:00	7	E	03/11/2013	12:35	6	E
03/11/2013	08:05	6	ESE	03/11/2013	12:40	7	E
03/11/2013	08:10	7	E	03/11/2013	12:45	7	E
03/11/2013	08:15	6	E	03/11/2013	12:50	8	E
03/11/2013	08:20	4	ESE	03/11/2013	12:55	8	E
03/11/2013	08:25	6	E	03/11/2013	13:00	5	E
03/11/2013	08:30	7	E	03/11/2013	13:05	5	E
03/11/2013	08:35	7	E	03/11/2013	13:10	6	E
03/11/2013	08:40	5	E	03/11/2013	13:15	6	E
03/11/2013	08:45	5	ESE	03/11/2013	13:20	7	E
03/11/2013	08:50	5	ESE	03/11/2013	13:25	7	E
03/11/2013	08:55	5	SSE	03/11/2013	13:30	6	E
03/11/2013	09:00	6	ESE	03/11/2013	13:35	7	E
03/11/2013	09:05	6	E	03/11/2013	13:40	7	E
03/11/2013	09:10	7	ESE	03/11/2013	13:45	5	E
03/11/2013	09:15	6	ESE	03/11/2013	13:50	7	E
03/11/2013	09:20	7	E	03/11/2013	13:55	5	E
03/11/2013	09:25	3	ESE	03/11/2013	14:00	7	E
03/11/2013	09:30	6	E	03/11/2013	14:05	6	E
03/11/2013	09:35	5	ESE	03/11/2013	14:10	8	E
03/11/2013	09:40	4	SSE	03/11/2013	14:15	8	E
03/11/2013	09:45	3	E	03/11/2013	14:20	6	E
03/11/2013	09:50	4	ESE	03/11/2013	14:25	5	E
03/11/2013	09:55	8	E	03/11/2013	14:30	5	ESE
03/11/2013	10:00	6	E	03/11/2013	14:35	6	SE
03/11/2013	10:05	9	E	03/11/2013	14:40	4	ESE
03/11/2013	10:10	8	E	03/11/2013	14:45	5	ESE
03/11/2013	10:15	6	E	03/11/2013	14:50	6	ESE
03/11/2013	10:20	5	ESE	03/11/2013	14:55	4	ESE
03/11/2013	10:25	6	E	03/11/2013	15:00	5	ESE
03/11/2013	10:30	9	E	03/11/2013	15:05	7	ESE
03/11/2013	10:35	7	E	03/11/2013	15:10	4	ESE
03/11/2013	10:40	8	E	03/11/2013	15:15	5	ESE
03/11/2013	10:45	10	E	03/11/2013	15:20	5	ESE
03/11/2013	10:50	7	E	03/11/2013	15:25	6	SE
03/11/2013	10:55	5	E	03/11/2013	15:30	5	SSE
03/11/2013	11:00	6	ESE	03/11/2013	15:35	5	SE
03/11/2013	11:05	5	E	03/11/2013	15:40	5	SSE
03/11/2013	11:10	5	E	03/11/2013	15:45	6	SE
03/11/2013	11:15	6	E	03/11/2013	15:50	4	ESE
03/11/2013	11:20	8	E	03/11/2013	15:55	5	SE
03/11/2013	11:25	7	E	03/11/2013	16:00	4	ESE
03/11/2013	11:30	8	E	03/11/2013	16:05	5	ESE
03/11/2013	11:35	8	ESE	03/11/2013	16:10	3	ESE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
03/11/2013	16:15	4	ESE	03/11/2013	20:50	4	SE
03/11/2013	16:20	4	ESE	03/11/2013	20:55	4	SE
03/11/2013	16:25	4	ESE	03/11/2013	21:00	3	SSE
03/11/2013	16:30	3	ESE	03/11/2013	21:05	4	SE
03/11/2013	16:35	4	ESE	03/11/2013	21:10	4	SE
03/11/2013	16:40	4	ESE	03/11/2013	21:15	3	SSE
03/11/2013	16:45	3	SE	03/11/2013	21:20	2	SSE
03/11/2013	16:50	4	SE	03/11/2013	21:25	0	ESE
03/11/2013	16:55	3	SE	03/11/2013	21:30	0	W
03/11/2013	17:00	2	SSE	03/11/2013	21:35	2	WNW
03/11/2013	17:05	3	ESE	03/11/2013	21:40	3	WNW
03/11/2013	17:10	3	SE	03/11/2013	21:45	4	W
03/11/2013	17:15	3	SE	03/11/2013	21:50	4	W
03/11/2013	17:20	3	ESE	03/11/2013	21:55	4	WNW
03/11/2013	17:25	4	SE	03/11/2013	22:00	3	WNW
03/11/2013	17:30	3	SE	03/11/2013	22:05	1	W
03/11/2013	17:35	4	SE	03/11/2013	22:10	0	---
03/11/2013	17:40	4	ESE	03/11/2013	22:15	0	---
03/11/2013	17:45	6	E	03/11/2013	22:20	0	---
03/11/2013	17:50	4	SE	03/11/2013	22:25	2	S
03/11/2013	17:55	5	ESE	03/11/2013	22:30	2	S
03/11/2013	18:00	3	SSE	03/11/2013	22:35	1	S
03/11/2013	18:05	5	SSE	03/11/2013	22:40	1	SSW
03/11/2013	18:10	5	SE	03/11/2013	22:45	2	SSW
03/11/2013	18:15	5	SE	03/11/2013	22:50	1	SSW
03/11/2013	18:20	6	SSE	03/11/2013	22:55	0	SSW
03/11/2013	18:25	6	SE	03/11/2013	23:00	0	---
03/11/2013	18:30	5	SE	03/11/2013	23:05	0	SSW
03/11/2013	18:35	5	SSE	03/11/2013	23:10	1	SSW
03/11/2013	18:40	5	SSE	03/11/2013	23:15	0	W
03/11/2013	18:45	5	SSE	03/11/2013	23:20	1	WNW
03/11/2013	18:50	5	SSE	03/11/2013	23:25	0	WNW
03/11/2013	18:55	5	SE	03/11/2013	23:30	0	---
03/11/2013	19:00	4	SE	03/11/2013	23:35	0	WNW
03/11/2013	19:05	4	SSE	03/11/2013	23:40	0	WSW
03/11/2013	19:10	5	SSE	03/11/2013	23:45	0	WSW
03/11/2013	19:15	6	SSE	03/11/2013	23:50	0	SSE
03/11/2013	19:20	5	SSE	03/11/2013	23:55	2	SSW
03/11/2013	19:25	5	SE	04/11/2013	00:00	2	S
03/11/2013	19:30	6	SE	04/11/2013	00:05	1	SSE
03/11/2013	19:35	5	SE	04/11/2013	00:10	1	S
03/11/2013	19:40	5	SE	04/11/2013	00:15	1	SSE
03/11/2013	19:45	4	SSE	04/11/2013	00:20	2	S
03/11/2013	19:50	5	SSE	04/11/2013	00:25	2	S
03/11/2013	19:55	4	SSE	04/11/2013	00:30	1	S
03/11/2013	20:00	4	ESE	04/11/2013	00:35	2	S
03/11/2013	20:05	3	SSE	04/11/2013	00:40	3	S
03/11/2013	20:10	4	SE	04/11/2013	00:45	3	S
03/11/2013	20:15	4	SE	04/11/2013	00:50	3	S
03/11/2013	20:20	3	ESE	04/11/2013	00:55	3	S
03/11/2013	20:25	5	ESE	04/11/2013	01:00	2	SSE
03/11/2013	20:30	3	ESE	04/11/2013	01:05	3	S
03/11/2013	20:35	3	SE	04/11/2013	01:10	4	SSE
03/11/2013	20:40	3	SE	04/11/2013	01:15	3	S
03/11/2013	20:45	4	SE	04/11/2013	01:20	4	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
04/11/2013	01:25	3	S	04/11/2013	06:00	1	ESE
04/11/2013	01:30	4	S	04/11/2013	06:05	3	SE
04/11/2013	01:35	3	S	04/11/2013	06:10	3	E
04/11/2013	01:40	3	S	04/11/2013	06:15	3	E
04/11/2013	01:45	2	S	04/11/2013	06:20	4	ESE
04/11/2013	01:50	2	S	04/11/2013	06:25	3	SE
04/11/2013	01:55	2	SSW	04/11/2013	06:30	4	ESE
04/11/2013	02:00	1	SW	04/11/2013	06:35	4	E
04/11/2013	02:05	0	WSW	04/11/2013	06:40	4	ESE
04/11/2013	02:10	0	---	04/11/2013	06:45	4	ESE
04/11/2013	02:15	1	WNW	04/11/2013	06:50	4	E
04/11/2013	02:20	2	SSW	04/11/2013	06:55	4	E
04/11/2013	02:25	0	SSW	04/11/2013	07:00	6	E
04/11/2013	02:30	1	WSW	04/11/2013	07:05	5	E
04/11/2013	02:35	0	WSW	04/11/2013	07:10	4	E
04/11/2013	02:40	0	---	04/11/2013	07:15	4	E
04/11/2013	02:45	0	---	04/11/2013	07:20	6	E
04/11/2013	02:50	0	---	04/11/2013	07:25	5	E
04/11/2013	02:55	1	WNW	04/11/2013	07:30	4	E
04/11/2013	03:00	2	WNW	04/11/2013	07:35	7	E
04/11/2013	03:05	2	WNW	04/11/2013	07:40	4	E
04/11/2013	03:10	3	WNW	04/11/2013	07:45	6	E
04/11/2013	03:15	1	WNW	04/11/2013	07:50	8	E
04/11/2013	03:20	0	WNW	04/11/2013	07:55	8	ESE
04/11/2013	03:25	2	WSW	04/11/2013	08:00	7	E
04/11/2013	03:30	1	WNW	04/11/2013	08:05	5	E
04/11/2013	03:35	1	W	04/11/2013	08:10	7	ESE
04/11/2013	03:40	1	SW	04/11/2013	08:15	6	E
04/11/2013	03:45	0	SW	04/11/2013	08:20	5	SE
04/11/2013	03:50	0	SW	04/11/2013	08:25	4	SE
04/11/2013	03:55	0	SW	04/11/2013	08:30	5	ESE
04/11/2013	04:00	0	---	04/11/2013	08:35	5	E
04/11/2013	04:05	0	---	04/11/2013	08:40	3	SE
04/11/2013	04:10	0	SW	04/11/2013	08:45	5	ESE
04/11/2013	04:15	0	SW	04/11/2013	08:50	4	ESE
04/11/2013	04:20	0	---	04/11/2013	08:55	4	ESE
04/11/2013	04:25	2	S	04/11/2013	09:00	4	E
04/11/2013	04:30	3	SE	04/11/2013	09:05	6	E
04/11/2013	04:35	3	ESE	04/11/2013	09:10	4	ESE
04/11/2013	04:40	3	SE	04/11/2013	09:15	3	ESE
04/11/2013	04:45	3	SE	04/11/2013	09:20	4	SE
04/11/2013	04:50	2	SE	04/11/2013	09:25	3	ESE
04/11/2013	04:55	4	SSE	04/11/2013	09:30	3	E
04/11/2013	05:00	4	SE	04/11/2013	09:35	4	ESE
04/11/2013	05:05	2	ESE	04/11/2013	09:40	5	E
04/11/2013	05:10	3	SE	04/11/2013	09:45	4	E
04/11/2013	05:15	2	SSE	04/11/2013	09:50	4	E
04/11/2013	05:20	3	ESE	04/11/2013	09:55	4	ESE
04/11/2013	05:25	4	E	04/11/2013	10:00	2	ESE
04/11/2013	05:30	4	E	04/11/2013	10:05	5	E
04/11/2013	05:35	2	SSE	04/11/2013	10:10	4	E
04/11/2013	05:40	3	ESE	04/11/2013	10:15	2	SE
04/11/2013	05:45	2	SE	04/11/2013	10:20	4	E
04/11/2013	05:50	2	ESE	04/11/2013	10:25	3	E
04/11/2013	05:55	2	SSE	04/11/2013	10:30	3	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
04/11/2013	10:35	3	SSE	04/11/2013	15:10	3	SE
04/11/2013	10:40	2	ESE	04/11/2013	15:15	4	E
04/11/2013	10:45	2	ESE	04/11/2013	15:20	3	ESE
04/11/2013	10:50	1	ESE	04/11/2013	15:25	3	E
04/11/2013	10:55	2	SSE	04/11/2013	15:30	2	E
04/11/2013	11:00	2	ESE	04/11/2013	15:35	4	SSE
04/11/2013	11:05	3	SE	04/11/2013	15:40	4	SE
04/11/2013	11:10	3	E	04/11/2013	15:45	4	SE
04/11/2013	11:15	4	E	04/11/2013	15:50	4	SSE
04/11/2013	11:20	3	E	04/11/2013	15:55	4	SSE
04/11/2013	11:25	3	E	04/11/2013	16:00	3	SSE
04/11/2013	11:30	3	SE	04/11/2013	16:05	5	SSE
04/11/2013	11:35	3	ESE	04/11/2013	16:10	6	SSE
04/11/2013	11:40	3	ESE	04/11/2013	16:15	5	SSE
04/11/2013	11:45	3	E	04/11/2013	16:20	4	SSE
04/11/2013	11:50	3	SE	04/11/2013	16:25	3	SSE
04/11/2013	11:55	3	SSE	04/11/2013	16:30	3	SE
04/11/2013	12:00	4	SSE	04/11/2013	16:35	2	SSE
04/11/2013	12:05	2	SSE	04/11/2013	16:40	1	S
04/11/2013	12:10	1	S	04/11/2013	16:45	1	S
04/11/2013	12:15	1	SW	04/11/2013	16:50	1	S
04/11/2013	12:20	0	SW	04/11/2013	16:55	0	---
04/11/2013	12:25	1	S	04/11/2013	17:00	0	SSE
04/11/2013	12:30	1	ESE	04/11/2013	17:05	3	S
04/11/2013	12:35	2	SSE	04/11/2013	17:10	2	S
04/11/2013	12:40	4	SSE	04/11/2013	17:15	1	S
04/11/2013	12:45	2	SSE	04/11/2013	17:20	1	S
04/11/2013	12:50	3	SSE	04/11/2013	17:25	0	S
04/11/2013	12:55	3	SE	04/11/2013	17:30	1	S
04/11/2013	13:00	2	SSE	04/11/2013	17:35	1	S
04/11/2013	13:05	2	SE	04/11/2013	17:40	1	SSW
04/11/2013	13:10	3	SSE	04/11/2013	17:45	0	SSW
04/11/2013	13:15	2	SSE	04/11/2013	17:50	2	SSW
04/11/2013	13:20	2	ESE	04/11/2013	17:55	0	S
04/11/2013	13:25	2	SE	04/11/2013	18:00	1	S
04/11/2013	13:30	3	ESE	04/11/2013	18:05	0	SSE
04/11/2013	13:35	1	SE	04/11/2013	18:10	0	---
04/11/2013	13:40	1	S	04/11/2013	18:15	0	S
04/11/2013	13:45	1	SE	04/11/2013	18:20	3	SSE
04/11/2013	13:50	1	ESE	04/11/2013	18:25	3	SSE
04/11/2013	13:55	4	E	04/11/2013	18:30	1	S
04/11/2013	14:00	4	E	04/11/2013	18:35	1	S
04/11/2013	14:05	4	ESE	04/11/2013	18:40	2	SE
04/11/2013	14:10	3	ESE	04/11/2013	18:45	2	SSE
04/11/2013	14:15	3	E	04/11/2013	18:50	3	SSE
04/11/2013	14:20	5	SSE	04/11/2013	18:55	3	SE
04/11/2013	14:25	5	SE	04/11/2013	19:00	2	SSE
04/11/2013	14:30	6	SE	04/11/2013	19:05	2	SSE
04/11/2013	14:35	5	SE	04/11/2013	19:10	1	SSE
04/11/2013	14:40	5	SE	04/11/2013	19:15	0	S
04/11/2013	14:45	5	ESE	04/11/2013	19:20	0	---
04/11/2013	14:50	4	SE	04/11/2013	19:25	0	---
04/11/2013	14:55	5	SE	04/11/2013	19:30	0	SW
04/11/2013	15:00	5	SSE	04/11/2013	19:35	1	SSW
04/11/2013	15:05	5	SE	04/11/2013	19:40	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
04/11/2013	19:45	0	SSE	05/11/2013	00:20	3	SE
04/11/2013	19:50	0	WSW	05/11/2013	00:25	2	SE
04/11/2013	19:55	0	SE	05/11/2013	00:30	2	ESE
04/11/2013	20:00	0	SE	05/11/2013	00:35	1	E
04/11/2013	20:05	2	SE	05/11/2013	00:40	1	SSE
04/11/2013	20:10	2	SSE	05/11/2013	00:45	2	SSE
04/11/2013	20:15	3	ESE	05/11/2013	00:50	2	SSE
04/11/2013	20:20	2	ESE	05/11/2013	00:55	2	SSE
04/11/2013	20:25	2	SE	05/11/2013	01:00	2	SSE
04/11/2013	20:30	2	SSE	05/11/2013	01:05	1	SSE
04/11/2013	20:35	2	SE	05/11/2013	01:10	1	SSE
04/11/2013	20:40	2	SE	05/11/2013	01:15	1	SSE
04/11/2013	20:45	2	SSE	05/11/2013	01:20	1	SSE
04/11/2013	20:50	2	SE	05/11/2013	01:25	1	SSE
04/11/2013	20:55	2	SE	05/11/2013	01:30	2	S
04/11/2013	21:00	2	E	05/11/2013	01:35	2	S
04/11/2013	21:05	1	SE	05/11/2013	01:40	2	SSE
04/11/2013	21:10	0	SE	05/11/2013	01:45	1	SSE
04/11/2013	21:15	1	SE	05/11/2013	01:50	1	SSE
04/11/2013	21:20	0	SSE	05/11/2013	01:55	1	SSE
04/11/2013	21:25	2	SSE	05/11/2013	02:00	2	SSE
04/11/2013	21:30	3	SE	05/11/2013	02:05	1	SSE
04/11/2013	21:35	2	SSE	05/11/2013	02:10	1	SSE
04/11/2013	21:40	4	SE	05/11/2013	02:15	1	SSE
04/11/2013	21:45	3	SE	05/11/2013	02:20	1	S
04/11/2013	21:50	3	SE	05/11/2013	02:25	1	SSE
04/11/2013	21:55	5	SE	05/11/2013	02:30	1	S
04/11/2013	22:00	4	SE	05/11/2013	02:35	1	S
04/11/2013	22:05	5	SSE	05/11/2013	02:40	0	S
04/11/2013	22:10	4	SE	05/11/2013	02:45	0	S
04/11/2013	22:15	5	SE	05/11/2013	02:50	1	SSE
04/11/2013	22:20	4	SE	05/11/2013	02:55	1	SSE
04/11/2013	22:25	3	SSE	05/11/2013	03:00	1	SE
04/11/2013	22:30	4	SSE	05/11/2013	03:05	0	SE
04/11/2013	22:35	3	SE	05/11/2013	03:10	1	S
04/11/2013	22:40	3	ESE	05/11/2013	03:15	1	ESE
04/11/2013	22:45	2	ESE	05/11/2013	03:20	2	SE
04/11/2013	22:50	3	ESE	05/11/2013	03:25	3	E
04/11/2013	22:55	3	ESE	05/11/2013	03:30	4	E
04/11/2013	23:00	3	SE	05/11/2013	03:35	4	E
04/11/2013	23:05	1	SE	05/11/2013	03:40	1	SE
04/11/2013	23:10	2	ESE	05/11/2013	03:45	2	E
04/11/2013	23:15	2	SE	05/11/2013	03:50	2	E
04/11/2013	23:20	3	ESE	05/11/2013	03:55	1	SE
04/11/2013	23:25	2	ESE	05/11/2013	04:00	0	SE
04/11/2013	23:30	2	ESE	05/11/2013	04:05	1	ENE
04/11/2013	23:35	3	ESE	05/11/2013	04:10	0	---
04/11/2013	23:40	3	SE	05/11/2013	04:15	0	---
04/11/2013	23:45	2	SE	05/11/2013	04:20	0	---
04/11/2013	23:50	2	ESE	05/11/2013	04:25	0	---
04/11/2013	23:55	1	SSE	05/11/2013	04:30	0	---
05/11/2013	00:00	2	ESE	05/11/2013	04:35	0	---
05/11/2013	00:05	2	SE	05/11/2013	04:40	0	---
05/11/2013	00:10	2	E	05/11/2013	04:45	1	SE
05/11/2013	00:15	2	SE	05/11/2013	04:50	1	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
05/11/2013	04:55	3	SSE	05/11/2013	09:30	3	SE
05/11/2013	05:00	3	SSE	05/11/2013	09:35	3	ESE
05/11/2013	05:05	4	SSE	05/11/2013	09:40	3	SSE
05/11/2013	05:10	3	SSE	05/11/2013	09:45	2	SSE
05/11/2013	05:15	3	SSE	05/11/2013	09:50	3	E
05/11/2013	05:20	3	SSE	05/11/2013	09:55	1	ESE
05/11/2013	05:25	2	SSE	05/11/2013	10:00	3	ESE
05/11/2013	05:30	2	SSE	05/11/2013	10:05	3	E
05/11/2013	05:35	3	S	05/11/2013	10:10	2	ESE
05/11/2013	05:40	2	SSE	05/11/2013	10:15	3	ESE
05/11/2013	05:45	3	SSE	05/11/2013	10:20	6	ENE
05/11/2013	05:50	5	SSE	05/11/2013	10:25	4	E
05/11/2013	05:55	4	SSE	05/11/2013	10:30	5	E
05/11/2013	06:00	4	SSE	05/11/2013	10:35	5	E
05/11/2013	06:05	3	SSE	05/11/2013	10:40	6	E
05/11/2013	06:10	2	SSE	05/11/2013	10:45	5	E
05/11/2013	06:15	2	SSE	05/11/2013	10:50	5	E
05/11/2013	06:20	2	SSE	05/11/2013	10:55	4	E
05/11/2013	06:25	4	SSE	05/11/2013	11:00	5	E
05/11/2013	06:30	3	SSE	05/11/2013	11:05	4	E
05/11/2013	06:35	3	SSE	05/11/2013	11:10	4	E
05/11/2013	06:40	3	SSE	05/11/2013	11:15	4	E
05/11/2013	06:45	4	SE	05/11/2013	11:20	4	E
05/11/2013	06:50	3	SE	05/11/2013	11:25	4	E
05/11/2013	06:55	3	SSE	05/11/2013	11:30	5	E
05/11/2013	07:00	3	SE	05/11/2013	11:35	4	E
05/11/2013	07:05	3	SSE	05/11/2013	11:40	4	E
05/11/2013	07:10	2	SE	05/11/2013	11:45	4	E
05/11/2013	07:15	3	SE	05/11/2013	11:50	4	ENE
05/11/2013	07:20	3	SSE	05/11/2013	11:55	2	ESE
05/11/2013	07:25	3	SE	05/11/2013	12:00	4	E
05/11/2013	07:30	3	SSE	05/11/2013	12:05	3	E
05/11/2013	07:35	4	SE	05/11/2013	12:10	2	ENE
05/11/2013	07:40	3	SE	05/11/2013	12:15	4	E
05/11/2013	07:45	4	SE	05/11/2013	12:20	3	E
05/11/2013	07:50	4	SE	05/11/2013	12:25	4	E
05/11/2013	07:55	3	SE	05/11/2013	12:30	4	E
05/11/2013	08:00	3	SE	05/11/2013	12:35	4	E
05/11/2013	08:05	3	SSE	05/11/2013	12:40	3	E
05/11/2013	08:10	3	SSE	05/11/2013	12:45	3	E
05/11/2013	08:15	4	SE	05/11/2013	12:50	2	E
05/11/2013	08:20	3	SE	05/11/2013	12:55	3	E
05/11/2013	08:25	3	SE	05/11/2013	13:00	3	E
05/11/2013	08:30	3	SE	05/11/2013	13:05	3	ENE
05/11/2013	08:35	3	ESE	05/11/2013	13:10	4	E
05/11/2013	08:40	3	SE	05/11/2013	13:15	3	E
05/11/2013	08:45	3	SE	05/11/2013	13:20	3	E
05/11/2013	08:50	4	SE	05/11/2013	13:25	5	E
05/11/2013	08:55	3	SE	05/11/2013	13:30	3	E
05/11/2013	09:00	4	SSE	05/11/2013	13:35	4	ENE
05/11/2013	09:05	4	SE	05/11/2013	13:40	4	ENE
05/11/2013	09:10	3	SSE	05/11/2013	13:45	3	ENE
05/11/2013	09:15	3	SE	05/11/2013	13:50	4	ENE
05/11/2013	09:20	3	SE	05/11/2013	13:55	4	E
05/11/2013	09:25	4	SE	05/11/2013	14:00	5	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
05/11/2013	14:05	3	E	05/11/2013	18:40	1	ESE
05/11/2013	14:10	5	E	05/11/2013	18:45	3	SE
05/11/2013	14:15	4	E	05/11/2013	18:50	2	ESE
05/11/2013	14:20	4	ESE	05/11/2013	18:55	2	SE
05/11/2013	14:25	2	ESE	05/11/2013	19:00	0	SE
05/11/2013	14:30	4	ESE	05/11/2013	19:05	2	SSE
05/11/2013	14:35	3	ESE	05/11/2013	19:10	2	SSE
05/11/2013	14:40	4	E	05/11/2013	19:15	1	SSE
05/11/2013	14:45	3	E	05/11/2013	19:20	2	SSE
05/11/2013	14:50	2	E	05/11/2013	19:25	1	S
05/11/2013	14:55	4	E	05/11/2013	19:30	1	S
05/11/2013	15:00	3	E	05/11/2013	19:35	2	SSE
05/11/2013	15:05	3	E	05/11/2013	19:40	1	SSE
05/11/2013	15:10	4	E	05/11/2013	19:45	2	SSE
05/11/2013	15:15	5	E	05/11/2013	19:50	1	SE
05/11/2013	15:20	3	E	05/11/2013	19:55	2	SE
05/11/2013	15:25	4	E	05/11/2013	20:00	0	SE
05/11/2013	15:30	4	E	05/11/2013	20:05	1	SE
05/11/2013	15:35	3	E	05/11/2013	20:10	0	---
05/11/2013	15:40	3	E	05/11/2013	20:15	0	---
05/11/2013	15:45	4	E	05/11/2013	20:20	0	---
05/11/2013	15:50	3	E	05/11/2013	20:25	0	---
05/11/2013	15:55	4	E	05/11/2013	20:30	0	---
05/11/2013	16:00	2	ENE	05/11/2013	20:35	0	---
05/11/2013	16:05	2	ENE	05/11/2013	20:40	0	---
05/11/2013	16:10	2	ENE	05/11/2013	20:45	0	---
05/11/2013	16:15	4	ENE	05/11/2013	20:50	0	---
05/11/2013	16:20	5	ENE	05/11/2013	20:55	0	SSW
05/11/2013	16:25	5	NE	05/11/2013	21:00	2	S
05/11/2013	16:30	4	NE	05/11/2013	21:05	0	S
05/11/2013	16:35	5	NE	05/11/2013	21:10	0	SSE
05/11/2013	16:40	3	ENE	05/11/2013	21:15	0	SSE
05/11/2013	16:45	4	ENE	05/11/2013	21:20	1	SSE
05/11/2013	16:50	4	NE	05/11/2013	21:25	0	---
05/11/2013	16:55	4	ENE	05/11/2013	21:30	0	---
05/11/2013	17:00	3	NE	05/11/2013	21:35	0	---
05/11/2013	17:05	3	NE	05/11/2013	21:40	0	---
05/11/2013	17:10	2	ENE	05/11/2013	21:45	0	S
05/11/2013	17:15	2	ENE	05/11/2013	21:50	0	---
05/11/2013	17:20	3	ENE	05/11/2013	21:55	0	SSE
05/11/2013	17:25	0	ENE	05/11/2013	22:00	1	SSE
05/11/2013	17:30	2	ENE	05/11/2013	22:05	0	SSE
05/11/2013	17:35	4	E	05/11/2013	22:10	1	SSE
05/11/2013	17:40	1	E	05/11/2013	22:15	1	SSE
05/11/2013	17:45	2	E	05/11/2013	22:20	0	---
05/11/2013	17:50	2	E	05/11/2013	22:25	0	---
05/11/2013	17:55	0	E	05/11/2013	22:30	0	---
05/11/2013	18:00	0	---	05/11/2013	22:35	1	S
05/11/2013	18:05	0	---	05/11/2013	22:40	1	S
05/11/2013	18:10	0	---	05/11/2013	22:45	1	S
05/11/2013	18:15	1	SSE	05/11/2013	22:50	0	---
05/11/2013	18:20	2	SSE	05/11/2013	22:55	0	S
05/11/2013	18:25	1	ESE	05/11/2013	23:00	0	S
05/11/2013	18:30	2	ESE	05/11/2013	23:05	0	---
05/11/2013	18:35	1	ESE	05/11/2013	23:10	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
05/11/2013	23:15	1	SSW	06/11/2013	03:50	0	---
05/11/2013	23:20	2	SSW	06/11/2013	03:55	0	---
05/11/2013	23:25	1	SSW	06/11/2013	04:00	0	---
05/11/2013	23:30	0	---	06/11/2013	04:05	0	---
05/11/2013	23:35	0	---	06/11/2013	04:10	0	---
05/11/2013	23:40	0	---	06/11/2013	04:15	0	---
05/11/2013	23:45	0	---	06/11/2013	04:20	0	---
05/11/2013	23:50	0	S	06/11/2013	04:25	0	---
05/11/2013	23:55	1	S	06/11/2013	04:30	0	---
06/11/2013	00:00	0	SSE	06/11/2013	04:35	0	---
06/11/2013	00:05	2	SSE	06/11/2013	04:40	1	WNW
06/11/2013	00:10	1	SSE	06/11/2013	04:45	1	WNW
06/11/2013	00:15	1	SSE	06/11/2013	04:50	0	---
06/11/2013	00:20	2	SSE	06/11/2013	04:55	0	---
06/11/2013	00:25	0	SSE	06/11/2013	05:00	0	---
06/11/2013	00:30	0	---	06/11/2013	05:05	0	---
06/11/2013	00:35	1	SSE	06/11/2013	05:10	0	---
06/11/2013	00:40	0	---	06/11/2013	05:15	0	---
06/11/2013	00:45	0	---	06/11/2013	05:20	0	---
06/11/2013	00:50	0	---	06/11/2013	05:25	0	---
06/11/2013	00:55	0	---	06/11/2013	05:30	0	---
06/11/2013	01:00	0	SSE	06/11/2013	05:35	0	---
06/11/2013	01:05	0	---	06/11/2013	05:40	0	---
06/11/2013	01:10	0	---	06/11/2013	05:45	0	---
06/11/2013	01:15	0	ENE	06/11/2013	05:50	0	---
06/11/2013	01:20	2	ENE	06/11/2013	05:55	0	---
06/11/2013	01:25	2	ENE	06/11/2013	06:00	0	---
06/11/2013	01:30	1	ENE	06/11/2013	06:05	0	---
06/11/2013	01:35	0	---	06/11/2013	06:10	0	---
06/11/2013	01:40	0	---	06/11/2013	06:15	0	---
06/11/2013	01:45	0	---	06/11/2013	06:20	0	---
06/11/2013	01:50	0	---	06/11/2013	06:25	0	---
06/11/2013	01:55	0	---	06/11/2013	06:30	0	WNW
06/11/2013	02:00	0	---	06/11/2013	06:35	1	WNW
06/11/2013	02:05	0	---	06/11/2013	06:40	0	---
06/11/2013	02:10	0	---	06/11/2013	06:45	0	---
06/11/2013	02:15	0	---	06/11/2013	06:50	0	---
06/11/2013	02:20	0	---	06/11/2013	06:55	0	---
06/11/2013	02:25	0	---	06/11/2013	07:00	0	---
06/11/2013	02:30	0	---	06/11/2013	07:05	0	---
06/11/2013	02:35	0	---	06/11/2013	07:10	0	---
06/11/2013	02:40	0	---	06/11/2013	07:15	0	---
06/11/2013	02:45	0	---	06/11/2013	07:20	0	---
06/11/2013	02:50	0	---	06/11/2013	07:25	0	---
06/11/2013	02:55	0	---	06/11/2013	07:30	0	---
06/11/2013	03:00	0	---	06/11/2013	07:35	0	---
06/11/2013	03:05	0	---	06/11/2013	07:40	0	---
06/11/2013	03:10	0	---	06/11/2013	07:45	0	---
06/11/2013	03:15	0	---	06/11/2013	07:50	0	---
06/11/2013	03:20	0	---	06/11/2013	07:55	0	---
06/11/2013	03:25	1	WNW	06/11/2013	08:00	0	---
06/11/2013	03:30	2	WNW	06/11/2013	08:05	1	NE
06/11/2013	03:35	0	WNW	06/11/2013	08:10	0	---
06/11/2013	03:40	0	---	06/11/2013	08:15	0	---
06/11/2013	03:45	0	---	06/11/2013	08:20	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
06/11/2013	08:25	0	---	06/11/2013	13:00	2	NE
06/11/2013	08:30	0	---	06/11/2013	13:05	2	ENE
06/11/2013	08:35	0	---	06/11/2013	13:10	1	ENE
06/11/2013	08:40	0	---	06/11/2013	13:15	0	ENE
06/11/2013	08:45	0	---	06/11/2013	13:20	1	ENE
06/11/2013	08:50	0	---	06/11/2013	13:25	3	E
06/11/2013	08:55	1	NE	06/11/2013	13:30	2	E
06/11/2013	09:00	0	---	06/11/2013	13:35	3	E
06/11/2013	09:05	0	---	06/11/2013	13:40	3	E
06/11/2013	09:10	0	---	06/11/2013	13:45	3	E
06/11/2013	09:15	0	---	06/11/2013	13:50	3	E
06/11/2013	09:20	0	NE	06/11/2013	13:55	3	E
06/11/2013	09:25	1	NE	06/11/2013	14:00	4	E
06/11/2013	09:30	2	ESE	06/11/2013	14:05	2	E
06/11/2013	09:35	3	E	06/11/2013	14:10	1	ENE
06/11/2013	09:40	3	E	06/11/2013	14:15	2	E
06/11/2013	09:45	3	E	06/11/2013	14:20	2	E
06/11/2013	09:50	3	E	06/11/2013	14:25	3	E
06/11/2013	09:55	3	E	06/11/2013	14:30	2	E
06/11/2013	10:00	2	E	06/11/2013	14:35	2	E
06/11/2013	10:05	2	ENE	06/11/2013	14:40	2	E
06/11/2013	10:10	2	E	06/11/2013	14:45	1	E
06/11/2013	10:15	3	E	06/11/2013	14:50	0	---
06/11/2013	10:20	3	E	06/11/2013	14:55	0	---
06/11/2013	10:25	2	E	06/11/2013	15:00	0	---
06/11/2013	10:30	2	E	06/11/2013	15:05	0	---
06/11/2013	10:35	3	E	06/11/2013	15:10	0	---
06/11/2013	10:40	3	E	06/11/2013	15:15	0	---
06/11/2013	10:45	2	E	06/11/2013	15:20	0	---
06/11/2013	10:50	2	SSE	06/11/2013	15:25	0	NE
06/11/2013	10:55	2	SE	06/11/2013	15:30	3	E
06/11/2013	11:00	3	E	06/11/2013	15:35	2	NE
06/11/2013	11:05	2	E	06/11/2013	15:40	2	NE
06/11/2013	11:10	1	SSW	06/11/2013	15:45	1	NE
06/11/2013	11:15	2	ESE	06/11/2013	15:50	0	---
06/11/2013	11:20	1	ENE	06/11/2013	15:55	0	NE
06/11/2013	11:25	1	NE	06/11/2013	16:00	0	---
06/11/2013	11:30	1	S	06/11/2013	16:05	0	---
06/11/2013	11:35	1	WSW	06/11/2013	16:10	0	---
06/11/2013	11:40	1	NE	06/11/2013	16:15	0	---
06/11/2013	11:45	1	NW	06/11/2013	16:20	0	---
06/11/2013	11:50	0	E	06/11/2013	16:25	0	---
06/11/2013	11:55	0	SE	06/11/2013	16:30	0	---
06/11/2013	12:00	1	SSE	06/11/2013	16:35	0	---
06/11/2013	12:05	0	E	06/11/2013	16:40	0	---
06/11/2013	12:10	0	---	06/11/2013	16:45	0	---
06/11/2013	12:15	0	SSE	06/11/2013	16:50	0	---
06/11/2013	12:20	1	SSE	06/11/2013	16:55	0	---
06/11/2013	12:25	1	NNE	06/11/2013	17:00	0	---
06/11/2013	12:30	2	N	06/11/2013	17:05	0	---
06/11/2013	12:35	2	E	06/11/2013	17:10	0	---
06/11/2013	12:40	0	E	06/11/2013	17:15	0	---
06/11/2013	12:45	1	NNE	06/11/2013	17:20	0	---
06/11/2013	12:50	0	ESE	06/11/2013	17:25	0	---
06/11/2013	12:55	1	S	06/11/2013	17:30	1	N

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
06/11/2013	17:35	1	NNW	06/11/2013	22:10	0	---
06/11/2013	17:40	1	NW	06/11/2013	22:15	0	---
06/11/2013	17:45	3	NW	06/11/2013	22:20	0	---
06/11/2013	17:50	1	NW	06/11/2013	22:25	0	---
06/11/2013	17:55	1	WNW	06/11/2013	22:30	0	---
06/11/2013	18:00	1	W	06/11/2013	22:35	0	---
06/11/2013	18:05	1	W	06/11/2013	22:40	0	---
06/11/2013	18:10	1	NW	06/11/2013	22:45	0	---
06/11/2013	18:15	2	NW	06/11/2013	22:50	0	---
06/11/2013	18:20	0	WNW	06/11/2013	22:55	0	---
06/11/2013	18:25	2	WNW	06/11/2013	23:00	0	---
06/11/2013	18:30	2	WNW	06/11/2013	23:05	0	---
06/11/2013	18:35	0	---	06/11/2013	23:10	0	---
06/11/2013	18:40	2	WNW	06/11/2013	23:15	0	---
06/11/2013	18:45	1	WNW	06/11/2013	23:20	0	---
06/11/2013	18:50	1	W	06/11/2013	23:25	0	---
06/11/2013	18:55	0	---	06/11/2013	23:30	0	---
06/11/2013	19:00	0	---	06/11/2013	23:35	0	---
06/11/2013	19:05	0	---	06/11/2013	23:40	0	---
06/11/2013	19:10	0	---	06/11/2013	23:45	0	---
06/11/2013	19:15	0	---	06/11/2013	23:50	0	---
06/11/2013	19:20	0	---	06/11/2013	23:55	0	---
06/11/2013	19:25	0	---	07/11/2013	00:00	0	---
06/11/2013	19:30	0	---	07/11/2013	00:05	0	---
06/11/2013	19:35	0	W	07/11/2013	00:10	0	---
06/11/2013	19:40	0	---	07/11/2013	00:15	0	---
06/11/2013	19:45	0	---	07/11/2013	00:20	0	---
06/11/2013	19:50	0	---	07/11/2013	00:25	0	---
06/11/2013	19:55	0	---	07/11/2013	00:30	0	---
06/11/2013	20:00	0	---	07/11/2013	00:35	0	---
06/11/2013	20:05	0	---	07/11/2013	00:40	0	---
06/11/2013	20:10	1	W	07/11/2013	00:45	0	---
06/11/2013	20:15	0	---	07/11/2013	00:50	0	---
06/11/2013	20:20	0	---	07/11/2013	00:55	0	---
06/11/2013	20:25	0	---	07/11/2013	01:00	0	---
06/11/2013	20:30	0	---	07/11/2013	01:05	0	---
06/11/2013	20:35	0	---	07/11/2013	01:10	0	---
06/11/2013	20:40	0	---	07/11/2013	01:15	0	---
06/11/2013	20:45	0	---	07/11/2013	01:20	0	---
06/11/2013	20:50	0	---	07/11/2013	01:25	0	---
06/11/2013	20:55	0	---	07/11/2013	01:30	0	---
06/11/2013	21:00	0	---	07/11/2013	01:35	0	---
06/11/2013	21:05	0	---	07/11/2013	01:40	0	---
06/11/2013	21:10	0	---	07/11/2013	01:45	0	---
06/11/2013	21:15	0	---	07/11/2013	01:50	0	---
06/11/2013	21:20	0	---	07/11/2013	01:55	0	---
06/11/2013	21:25	0	---	07/11/2013	02:00	0	---
06/11/2013	21:30	0	---	07/11/2013	02:05	0	---
06/11/2013	21:35	0	---	07/11/2013	02:10	0	---
06/11/2013	21:40	0	---	07/11/2013	02:15	0	---
06/11/2013	21:45	0	---	07/11/2013	02:20	0	---
06/11/2013	21:50	0	---	07/11/2013	02:25	0	---
06/11/2013	21:55	0	---	07/11/2013	02:30	0	---
06/11/2013	22:00	0	---	07/11/2013	02:35	0	---
06/11/2013	22:05	0	---	07/11/2013	02:40	1	WNW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
07/11/2013	02:45	0	WNW	07/11/2013	07:20	0	---
07/11/2013	02:50	0	---	07/11/2013	07:25	0	ESE
07/11/2013	02:55	0	---	07/11/2013	07:30	0	SE
07/11/2013	03:00	0	N	07/11/2013	07:35	1	SE
07/11/2013	03:05	0	---	07/11/2013	07:40	1	SE
07/11/2013	03:10	0	---	07/11/2013	07:45	1	ESE
07/11/2013	03:15	1	WNW	07/11/2013	07:50	1	SE
07/11/2013	03:20	1	WNW	07/11/2013	07:55	1	E
07/11/2013	03:25	0	NE	07/11/2013	08:00	2	SE
07/11/2013	03:30	0	---	07/11/2013	08:05	2	SE
07/11/2013	03:35	0	---	07/11/2013	08:10	0	ESE
07/11/2013	03:40	0	W	07/11/2013	08:15	2	E
07/11/2013	03:45	0	NNE	07/11/2013	08:20	1	ESE
07/11/2013	03:50	2	NE	07/11/2013	08:25	2	E
07/11/2013	03:55	1	NW	07/11/2013	08:30	3	E
07/11/2013	04:00	0	WNW	07/11/2013	08:35	2	E
07/11/2013	04:05	1	NNW	07/11/2013	08:40	1	ESE
07/11/2013	04:10	0	NW	07/11/2013	08:45	2	E
07/11/2013	04:15	0	E	07/11/2013	08:50	3	E
07/11/2013	04:20	0	ESE	07/11/2013	08:55	3	E
07/11/2013	04:25	0	SE	07/11/2013	09:00	3	E
07/11/2013	04:30	0	E	07/11/2013	09:05	2	E
07/11/2013	04:35	2	ESE	07/11/2013	09:10	3	E
07/11/2013	04:40	2	ESE	07/11/2013	09:15	4	E
07/11/2013	04:45	2	SE	07/11/2013	09:20	4	E
07/11/2013	04:50	2	SE	07/11/2013	09:25	3	E
07/11/2013	04:55	2	ESE	07/11/2013	09:30	3	E
07/11/2013	05:00	2	SE	07/11/2013	09:35	3	E
07/11/2013	05:05	3	SE	07/11/2013	09:40	3	E
07/11/2013	05:10	1	SSE	07/11/2013	09:45	2	E
07/11/2013	05:15	0	ESE	07/11/2013	09:50	3	E
07/11/2013	05:20	1	ESE	07/11/2013	09:55	3	E
07/11/2013	05:25	0	---	07/11/2013	10:00	3	SE
07/11/2013	05:30	0	---	07/11/2013	10:05	4	SSE
07/11/2013	05:35	0	---	07/11/2013	10:10	3	SSE
07/11/2013	05:40	0	---	07/11/2013	10:15	5	SSE
07/11/2013	05:45	0	ESE	07/11/2013	10:20	4	SSE
07/11/2013	05:50	0	SSE	07/11/2013	10:25	3	SE
07/11/2013	05:55	0	SSW	07/11/2013	10:30	4	SSE
07/11/2013	06:00	0	SSE	07/11/2013	10:35	5	SE
07/11/2013	06:05	0	SSE	07/11/2013	10:40	4	SSE
07/11/2013	06:10	0	---	07/11/2013	10:45	5	SSE
07/11/2013	06:15	0	---	07/11/2013	10:50	4	SSE
07/11/2013	06:20	0	---	07/11/2013	10:55	3	SSE
07/11/2013	06:25	0	---	07/11/2013	11:00	4	S
07/11/2013	06:30	0	---	07/11/2013	11:05	5	SSE
07/11/2013	06:35	0	---	07/11/2013	11:10	4	SE
07/11/2013	06:40	0	---	07/11/2013	11:15	4	SSE
07/11/2013	06:45	0	---	07/11/2013	11:20	5	SSE
07/11/2013	06:50	0	---	07/11/2013	11:25	4	SSE
07/11/2013	06:55	0	---	07/11/2013	11:30	4	SSE
07/11/2013	07:00	0	---	07/11/2013	11:35	5	SSE
07/11/2013	07:05	0	---	07/11/2013	11:40	5	SSE
07/11/2013	07:10	0	---	07/11/2013	11:45	4	SSE
07/11/2013	07:15	0	---	07/11/2013	11:50	3	SSW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
07/11/2013	11:55	3	SSE	07/11/2013	16:30	1	ENE
07/11/2013	12:00	3	SSE	07/11/2013	16:35	1	ENE
07/11/2013	12:05	5	SE	07/11/2013	16:40	1	SSE
07/11/2013	12:10	6	SSE	07/11/2013	16:45	0	---
07/11/2013	12:15	4	SSE	07/11/2013	16:50	2	SE
07/11/2013	12:20	5	SSE	07/11/2013	16:55	3	SSE
07/11/2013	12:25	3	SSE	07/11/2013	17:00	3	ESE
07/11/2013	12:30	2	ESE	07/11/2013	17:05	3	ESE
07/11/2013	12:35	4	SSE	07/11/2013	17:10	1	SSE
07/11/2013	12:40	5	SE	07/11/2013	17:15	0	---
07/11/2013	12:45	5	SSE	07/11/2013	17:20	0	---
07/11/2013	12:50	6	SSE	07/11/2013	17:25	1	SE
07/11/2013	12:55	5	SSE	07/11/2013	17:30	2	E
07/11/2013	13:00	6	SSE	07/11/2013	17:35	2	E
07/11/2013	13:05	5	SE	07/11/2013	17:40	5	E
07/11/2013	13:10	6	SSE	07/11/2013	17:45	2	NNE
07/11/2013	13:15	5	SE	07/11/2013	17:50	4	ENE
07/11/2013	13:20	6	SSE	07/11/2013	17:55	4	E
07/11/2013	13:25	7	SSE	07/11/2013	18:00	4	SE
07/11/2013	13:30	4	SSE	07/11/2013	18:05	4	SE
07/11/2013	13:35	6	SSE	07/11/2013	18:10	6	ESE
07/11/2013	13:40	5	SSE	07/11/2013	18:15	5	SSE
07/11/2013	13:45	1	SSE	07/11/2013	18:20	5	SE
07/11/2013	13:50	4	S	07/11/2013	18:25	5	ESE
07/11/2013	13:55	4	SSE	07/11/2013	18:30	7	S
07/11/2013	14:00	5	SE	07/11/2013	18:35	7	SSE
07/11/2013	14:05	3	WSW	07/11/2013	18:40	7	SE
07/11/2013	14:10	2	S	07/11/2013	18:45	6	ESE
07/11/2013	14:15	1	SW	07/11/2013	18:50	7	SSE
07/11/2013	14:20	4	SSE	07/11/2013	18:55	5	SE
07/11/2013	14:25	4	SSE	07/11/2013	19:00	5	SE
07/11/2013	14:30	5	SSE	07/11/2013	19:05	6	SSE
07/11/2013	14:35	3	S	07/11/2013	19:10	5	E
07/11/2013	14:40	3	SE	07/11/2013	19:15	5	SE
07/11/2013	14:45	4	SSE	07/11/2013	19:20	6	SSE
07/11/2013	14:50	4	SE	07/11/2013	19:25	6	SE
07/11/2013	14:55	5	SE	07/11/2013	19:30	6	SSE
07/11/2013	15:00	4	SSE	07/11/2013	19:35	5	SE
07/11/2013	15:05	3	NE	07/11/2013	19:40	7	SE
07/11/2013	15:10	0	---	07/11/2013	19:45	6	SSE
07/11/2013	15:15	1	NNW	07/11/2013	19:50	4	SE
07/11/2013	15:20	1	S	07/11/2013	19:55	6	SE
07/11/2013	15:25	2	SSE	07/11/2013	20:00	7	SE
07/11/2013	15:30	1	E	07/11/2013	20:05	4	SE
07/11/2013	15:35	3	SSE	07/11/2013	20:10	7	SSE
07/11/2013	15:40	0	S	07/11/2013	20:15	9	S
07/11/2013	15:45	2	NE	07/11/2013	20:20	8	SSE
07/11/2013	15:50	4	NE	07/11/2013	20:25	8	SSE
07/11/2013	15:55	5	NNE	07/11/2013	20:30	8	SSE
07/11/2013	16:00	3	NNW	07/11/2013	20:35	8	SSE
07/11/2013	16:05	4	E	07/11/2013	20:40	8	SSE
07/11/2013	16:10	3	ENE	07/11/2013	20:45	6	SSE
07/11/2013	16:15	4	E	07/11/2013	20:50	6	SSE
07/11/2013	16:20	4	E	07/11/2013	20:55	7	SSE
07/11/2013	16:25	3	ENE	07/11/2013	21:00	6	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
07/11/2013	21:05	8	SSE	08/11/2013	01:40	4	SE
07/11/2013	21:10	5	SSE	08/11/2013	01:45	4	SSE
07/11/2013	21:15	4	SSE	08/11/2013	01:50	4	SE
07/11/2013	21:20	5	SSE	08/11/2013	01:55	5	SE
07/11/2013	21:25	5	SE	08/11/2013	02:00	5	SE
07/11/2013	21:30	4	SSE	08/11/2013	02:05	5	SSE
07/11/2013	21:35	5	SSE	08/11/2013	02:10	5	SE
07/11/2013	21:40	4	SSE	08/11/2013	02:15	5	SE
07/11/2013	21:45	4	SSE	08/11/2013	02:20	6	SSE
07/11/2013	21:50	7	SSE	08/11/2013	02:25	4	SSE
07/11/2013	21:55	5	SSE	08/11/2013	02:30	2	SSE
07/11/2013	22:00	8	SSE	08/11/2013	02:35	4	SSE
07/11/2013	22:05	8	SSE	08/11/2013	02:40	5	SSE
07/11/2013	22:10	7	SSE	08/11/2013	02:45	5	SSE
07/11/2013	22:15	7	SSE	08/11/2013	02:50	4	SSE
07/11/2013	22:20	9	SSE	08/11/2013	02:55	5	SSE
07/11/2013	22:25	8	SSE	08/11/2013	03:00	6	SSE
07/11/2013	22:30	7	SSE	08/11/2013	03:05	6	SSE
07/11/2013	22:35	6	SSE	08/11/2013	03:10	7	SSE
07/11/2013	22:40	7	SSE	08/11/2013	03:15	5	SSE
07/11/2013	22:45	8	SSE	08/11/2013	03:20	6	SE
07/11/2013	22:50	7	SSE	08/11/2013	03:25	6	SE
07/11/2013	22:55	6	SSE	08/11/2013	03:30	7	SSE
07/11/2013	23:00	6	SSE	08/11/2013	03:35	5	SSE
07/11/2013	23:05	7	SSE	08/11/2013	03:40	6	SSE
07/11/2013	23:10	7	SSE	08/11/2013	03:45	5	SSE
07/11/2013	23:15	7	SSE	08/11/2013	03:50	3	SSE
07/11/2013	23:20	8	SSE	08/11/2013	03:55	4	SSE
07/11/2013	23:25	7	SSE	08/11/2013	04:00	5	SSE
07/11/2013	23:30	7	SSE	08/11/2013	04:05	4	SSE
07/11/2013	23:35	6	SSE	08/11/2013	04:10	6	SSE
07/11/2013	23:40	5	SSE	08/11/2013	04:15	5	SSE
07/11/2013	23:45	5	SSE	08/11/2013	04:20	4	SSE
07/11/2013	23:50	5	SSE	08/11/2013	04:25	4	SSE
07/11/2013	23:55	5	SSE	08/11/2013	04:30	4	SE
08/11/2013	00:00	4	SE	08/11/2013	04:35	3	SSE
08/11/2013	00:05	5	SSE	08/11/2013	04:40	4	SSE
08/11/2013	00:10	3	SE	08/11/2013	04:45	5	SE
08/11/2013	00:15	3	SSE	08/11/2013	04:50	4	SSE
08/11/2013	00:20	2	SE	08/11/2013	04:55	4	SSE
08/11/2013	00:25	3	S	08/11/2013	05:00	4	SSE
08/11/2013	00:30	2	S	08/11/2013	05:05	4	SE
08/11/2013	00:35	3	SE	08/11/2013	05:10	4	SE
08/11/2013	00:40	3	SSE	08/11/2013	05:15	3	SSE
08/11/2013	00:45	3	SE	08/11/2013	05:20	4	SSE
08/11/2013	00:50	3	S	08/11/2013	05:25	3	SSE
08/11/2013	00:55	3	SE	08/11/2013	05:30	4	SSE
08/11/2013	01:00	2	SE	08/11/2013	05:35	3	SSE
08/11/2013	01:05	3	SSE	08/11/2013	05:40	4	SSE
08/11/2013	01:10	4	SSE	08/11/2013	05:45	3	SSE
08/11/2013	01:15	3	SSE	08/11/2013	05:50	2	SSE
08/11/2013	01:20	4	SSE	08/11/2013	05:55	4	SSE
08/11/2013	01:25	4	SE	08/11/2013	06:00	3	SSE
08/11/2013	01:30	6	SE	08/11/2013	06:05	1	S
08/11/2013	01:35	5	SE	08/11/2013	06:10	3	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
08/11/2013	06:15	3	SSE	08/11/2013	10:50	7	SSE
08/11/2013	06:20	3	SSE	08/11/2013	10:55	6	SSE
08/11/2013	06:25	5	SE	08/11/2013	11:00	6	SSE
08/11/2013	06:30	3	SSE	08/11/2013	11:05	5	SSE
08/11/2013	06:35	3	SE	08/11/2013	11:10	6	SE
08/11/2013	06:40	1	SSE	08/11/2013	11:15	6	SSE
08/11/2013	06:45	2	ESE	08/11/2013	11:20	5	ESE
08/11/2013	06:50	0	S	08/11/2013	11:25	7	SE
08/11/2013	06:55	0	ESE	08/11/2013	11:30	4	SE
08/11/2013	07:00	3	SE	08/11/2013	11:35	5	SE
08/11/2013	07:05	3	SSE	08/11/2013	11:40	3	SE
08/11/2013	07:10	3	SSE	08/11/2013	11:45	4	SE
08/11/2013	07:15	3	SSE	08/11/2013	11:50	4	ESE
08/11/2013	07:20	3	SSE	08/11/2013	11:55	4	E
08/11/2013	07:25	3	SE	08/11/2013	12:00	4	E
08/11/2013	07:30	2	ESE	08/11/2013	12:05	2	ENE
08/11/2013	07:35	2	SSE	08/11/2013	12:10	4	ENE
08/11/2013	07:40	2	SE	08/11/2013	12:15	3	ENE
08/11/2013	07:45	1	SE	08/11/2013	12:20	2	E
08/11/2013	07:50	0	E	08/11/2013	12:25	3	ENE
08/11/2013	07:55	2	SSE	08/11/2013	12:30	4	ENE
08/11/2013	08:00	2	ESE	08/11/2013	12:35	4	ENE
08/11/2013	08:05	1	SE	08/11/2013	12:40	3	ENE
08/11/2013	08:10	3	SE	08/11/2013	12:45	2	NE
08/11/2013	08:15	1	SSW	08/11/2013	12:50	3	NE
08/11/2013	08:20	1	SE	08/11/2013	12:55	1	NE
08/11/2013	08:25	3	SE	08/11/2013	13:00	2	N
08/11/2013	08:30	3	SSE	08/11/2013	13:05	3	ENE
08/11/2013	08:35	3	S	08/11/2013	13:10	5	N
08/11/2013	08:40	5	SE	08/11/2013	13:15	6	NNW
08/11/2013	08:45	5	SSE	08/11/2013	13:20	7	NNW
08/11/2013	08:50	3	S	08/11/2013	13:25	8	NW
08/11/2013	08:55	3	SSE	08/11/2013	13:30	8	NNW
08/11/2013	09:00	3	SSE	08/11/2013	13:35	5	NNW
08/11/2013	09:05	2	SE	08/11/2013	13:40	5	N
08/11/2013	09:10	3	SSE	08/11/2013	13:45	6	N
08/11/2013	09:15	3	SSE	08/11/2013	13:50	5	NNW
08/11/2013	09:20	2	SSE	08/11/2013	13:55	6	N
08/11/2013	09:25	2	SE	08/11/2013	14:00	8	N
08/11/2013	09:30	3	SSE	08/11/2013	14:05	5	N
08/11/2013	09:35	3	SE	08/11/2013	14:10	6	NNW
08/11/2013	09:40	2	S	08/11/2013	14:15	6	NNW
08/11/2013	09:45	5	SSE	08/11/2013	14:20	6	NNW
08/11/2013	09:50	4	SSE	08/11/2013	14:25	6	NNW
08/11/2013	09:55	5	ESE	08/11/2013	14:30	4	NNW
08/11/2013	10:00	5	SE	08/11/2013	14:35	4	N
08/11/2013	10:05	5	ESE	08/11/2013	14:40	3	N
08/11/2013	10:10	5	S	08/11/2013	14:45	3	N
08/11/2013	10:15	5	SE	08/11/2013	14:50	1	NNW
08/11/2013	10:20	5	SSE	08/11/2013	14:55	1	NNW
08/11/2013	10:25	5	SSE	08/11/2013	15:00	0	NNW
08/11/2013	10:30	6	SSE	08/11/2013	15:05	2	NE
08/11/2013	10:35	5	SE	08/11/2013	15:10	2	ENE
08/11/2013	10:40	6	ESE	08/11/2013	15:15	2	ENE
08/11/2013	10:45	6	SSE	08/11/2013	15:20	4	NNW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
08/11/2013	15:25	4	NNW	08/11/2013	20:00	0	---
08/11/2013	15:30	2	NNW	08/11/2013	20:05	0	---
08/11/2013	15:35	0	---	08/11/2013	20:10	0	---
08/11/2013	15:40	0	N	08/11/2013	20:15	0	---
08/11/2013	15:45	2	E	08/11/2013	20:20	0	---
08/11/2013	15:50	3	E	08/11/2013	20:25	0	---
08/11/2013	15:55	3	ESE	08/11/2013	20:30	0	---
08/11/2013	16:00	3	SE	08/11/2013	20:35	0	---
08/11/2013	16:05	3	ESE	08/11/2013	20:40	0	---
08/11/2013	16:10	3	ESE	08/11/2013	20:45	0	---
08/11/2013	16:15	3	SE	08/11/2013	20:50	1	S
08/11/2013	16:20	3	ESE	08/11/2013	20:55	0	---
08/11/2013	16:25	3	ESE	08/11/2013	21:00	2	NW
08/11/2013	16:30	3	SE	08/11/2013	21:05	0	NW
08/11/2013	16:35	2	ESE	08/11/2013	21:10	0	---
08/11/2013	16:40	1	ENE	08/11/2013	21:15	2	NW
08/11/2013	16:45	1	SSE	08/11/2013	21:20	3	NW
08/11/2013	16:50	1	SSE	08/11/2013	21:25	0	NW
08/11/2013	16:55	3	ESE	08/11/2013	21:30	0	---
08/11/2013	17:00	3	ESE	08/11/2013	21:35	0	NW
08/11/2013	17:05	3	ESE	08/11/2013	21:40	0	NW
08/11/2013	17:10	3	SE	08/11/2013	21:45	0	---
08/11/2013	17:15	1	ESE	08/11/2013	21:50	0	---
08/11/2013	17:20	0	E	08/11/2013	21:55	0	---
08/11/2013	17:25	1	ESE	08/11/2013	22:00	0	---
08/11/2013	17:30	2	ESE	08/11/2013	22:05	0	---
08/11/2013	17:35	4	ESE	08/11/2013	22:10	0	---
08/11/2013	17:40	3	ESE	08/11/2013	22:15	0	---
08/11/2013	17:45	3	E	08/11/2013	22:20	0	---
08/11/2013	17:50	3	E	08/11/2013	22:25	0	---
08/11/2013	17:55	4	E	08/11/2013	22:30	0	SSE
08/11/2013	18:00	4	E	08/11/2013	22:35	2	SE
08/11/2013	18:05	1	E	08/11/2013	22:40	2	WSW
08/11/2013	18:10	1	ENE	08/11/2013	22:45	3	SSE
08/11/2013	18:15	1	NE	08/11/2013	22:50	4	SSE
08/11/2013	18:20	0	NNE	08/11/2013	22:55	5	SSE
08/11/2013	18:25	0	---	08/11/2013	23:00	4	SSE
08/11/2013	18:30	0	SE	08/11/2013	23:05	3	SSE
08/11/2013	18:35	0	---	08/11/2013	23:10	4	SSE
08/11/2013	18:40	0	---	08/11/2013	23:15	2	SSE
08/11/2013	18:45	0	---	08/11/2013	23:20	1	SSE
08/11/2013	18:50	0	---	08/11/2013	23:25	3	SE
08/11/2013	18:55	1	NW	08/11/2013	23:30	0	SSE
08/11/2013	19:00	1	NW	08/11/2013	23:35	1	NNW
08/11/2013	19:05	1	N	08/11/2013	23:40	1	SSE
08/11/2013	19:10	1	N	08/11/2013	23:45	3	SE
08/11/2013	19:15	0	---	08/11/2013	23:50	5	SSE
08/11/2013	19:20	0	---	08/11/2013	23:55	4	SSE
08/11/2013	19:25	0	---	09/11/2013	00:00	3	SSE
08/11/2013	19:30	0	---	09/11/2013	00:05	2	ESE
08/11/2013	19:35	0	---	09/11/2013	00:10	4	SE
08/11/2013	19:40	0	---	09/11/2013	00:15	3	SE
08/11/2013	19:45	0	---	09/11/2013	00:20	3	SE
08/11/2013	19:50	0	---	09/11/2013	00:25	4	SSE
08/11/2013	19:55	0	---	09/11/2013	00:30	3	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
09/11/2013	00:35	4	S	09/11/2013	05:10	8	SSE
09/11/2013	00:40	2	SSE	09/11/2013	05:15	7	SSE
09/11/2013	00:45	0	S	09/11/2013	05:20	7	SSE
09/11/2013	00:50	2	SE	09/11/2013	05:25	6	SSE
09/11/2013	00:55	2	SE	09/11/2013	05:30	4	SSE
09/11/2013	01:00	3	SE	09/11/2013	05:35	7	SSE
09/11/2013	01:05	4	S	09/11/2013	05:40	6	SSE
09/11/2013	01:10	3	SSE	09/11/2013	05:45	5	SSE
09/11/2013	01:15	3	SSE	09/11/2013	05:50	4	SSE
09/11/2013	01:20	2	SSE	09/11/2013	05:55	4	SSE
09/11/2013	01:25	1	E	09/11/2013	06:00	4	SSE
09/11/2013	01:30	0	SE	09/11/2013	06:05	6	SSE
09/11/2013	01:35	2	SSE	09/11/2013	06:10	5	SSE
09/11/2013	01:40	2	ESE	09/11/2013	06:15	2	SSE
09/11/2013	01:45	2	ESE	09/11/2013	06:20	3	SSE
09/11/2013	01:50	2	ESE	09/11/2013	06:25	1	SSE
09/11/2013	01:55	3	ESE	09/11/2013	06:30	0	SSE
09/11/2013	02:00	2	ESE	09/11/2013	06:35	0	---
09/11/2013	02:05	2	SE	09/11/2013	06:40	0	---
09/11/2013	02:10	2	SE	09/11/2013	06:45	0	---
09/11/2013	02:15	3	ESE	09/11/2013	06:50	1	ESE
09/11/2013	02:20	2	SE	09/11/2013	06:55	0	---
09/11/2013	02:25	2	SE	09/11/2013	07:00	0	---
09/11/2013	02:30	2	SE	09/11/2013	07:05	0	SE
09/11/2013	02:35	2	SE	09/11/2013	07:10	1	SE
09/11/2013	02:40	2	SE	09/11/2013	07:15	2	ESE
09/11/2013	02:45	2	SSE	09/11/2013	07:20	3	SE
09/11/2013	02:50	2	SSE	09/11/2013	07:25	2	SSE
09/11/2013	02:55	2	S	09/11/2013	07:30	3	SE
09/11/2013	03:00	1	S	09/11/2013	07:35	3	SSE
09/11/2013	03:05	2	SE	09/11/2013	07:40	4	SE
09/11/2013	03:10	2	SE	09/11/2013	07:45	4	SE
09/11/2013	03:15	2	ESE	09/11/2013	07:50	2	SE
09/11/2013	03:20	3	ESE	09/11/2013	07:55	1	S
09/11/2013	03:25	1	SE	09/11/2013	08:00	1	SSE
09/11/2013	03:30	1	SE	09/11/2013	08:05	3	ESE
09/11/2013	03:35	0	---	09/11/2013	08:10	4	ESE
09/11/2013	03:40	0	---	09/11/2013	08:15	3	ESE
09/11/2013	03:45	0	---	09/11/2013	08:20	3	SSE
09/11/2013	03:50	0	---	09/11/2013	08:25	5	E
09/11/2013	03:55	0	---	09/11/2013	08:30	5	SE
09/11/2013	04:00	0	---	09/11/2013	08:35	4	E
09/11/2013	04:05	0	---	09/11/2013	08:40	4	ESE
09/11/2013	04:10	0	---	09/11/2013	08:45	3	ESE
09/11/2013	04:15	1	SE	09/11/2013	08:50	4	ESE
09/11/2013	04:20	4	SE	09/11/2013	08:55	3	ESE
09/11/2013	04:25	3	SE	09/11/2013	09:00	3	SE
09/11/2013	04:30	4	SSE	09/11/2013	09:05	3	ESE
09/11/2013	04:35	4	S	09/11/2013	09:10	3	SE
09/11/2013	04:40	6	S	09/11/2013	09:15	4	E
09/11/2013	04:45	5	S	09/11/2013	09:20	4	E
09/11/2013	04:50	6	S	09/11/2013	09:25	4	ESE
09/11/2013	04:55	6	SSE	09/11/2013	09:30	4	E
09/11/2013	05:00	6	SSE	09/11/2013	09:35	4	E
09/11/2013	05:05	6	SSE	09/11/2013	09:40	4	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
09/11/2013	09:45	5	E	09/11/2013	14:20	9	SSE
09/11/2013	09:50	2	SSE	09/11/2013	14:25	11	SSE
09/11/2013	09:55	4	SSE	09/11/2013	14:30	9	S
09/11/2013	10:00	6	SE	09/11/2013	14:35	7	SSE
09/11/2013	10:05	4	SSE	09/11/2013	14:40	6	SSE
09/11/2013	10:10	6	SSE	09/11/2013	14:45	8	SSE
09/11/2013	10:15	4	SSE	09/11/2013	14:50	8	SSE
09/11/2013	10:20	3	SE	09/11/2013	14:55	9	SSE
09/11/2013	10:25	6	SSE	09/11/2013	15:00	10	SSE
09/11/2013	10:30	6	SSE	09/11/2013	15:05	10	SSE
09/11/2013	10:35	5	SSE	09/11/2013	15:10	10	SSE
09/11/2013	10:40	6	SSE	09/11/2013	15:15	9	SSE
09/11/2013	10:45	5	SSE	09/11/2013	15:20	10	SSE
09/11/2013	10:50	5	SSE	09/11/2013	15:25	10	SSE
09/11/2013	10:55	6	SSE	09/11/2013	15:30	8	SSE
09/11/2013	11:00	4	SSE	09/11/2013	15:35	8	SSE
09/11/2013	11:05	6	SE	09/11/2013	15:40	9	SSE
09/11/2013	11:10	5	SSE	09/11/2013	15:45	9	SSE
09/11/2013	11:15	5	SSE	09/11/2013	15:50	6	SSE
09/11/2013	11:20	4	SE	09/11/2013	15:55	9	SSE
09/11/2013	11:25	5	SSE	09/11/2013	16:00	9	S
09/11/2013	11:30	4	SE	09/11/2013	16:05	9	S
09/11/2013	11:35	5	SE	09/11/2013	16:10	11	SSE
09/11/2013	11:40	5	ESE	09/11/2013	16:15	10	SSE
09/11/2013	11:45	5	SSE	09/11/2013	16:20	8	SSE
09/11/2013	11:50	5	SE	09/11/2013	16:25	10	SSE
09/11/2013	11:55	6	SE	09/11/2013	16:30	8	SSE
09/11/2013	12:00	7	SSE	09/11/2013	16:35	10	SSE
09/11/2013	12:05	8	SSE	09/11/2013	16:40	9	SSE
09/11/2013	12:10	8	SSE	09/11/2013	16:45	11	SSE
09/11/2013	12:15	7	SSE	09/11/2013	16:50	9	SSE
09/11/2013	12:20	7	SSE	09/11/2013	16:55	8	SSE
09/11/2013	12:25	8	SSE	09/11/2013	17:00	7	SSE
09/11/2013	12:30	5	SSE	09/11/2013	17:05	11	SSE
09/11/2013	12:35	7	SSE	09/11/2013	17:10	8	SSE
09/11/2013	12:40	6	SSE	09/11/2013	17:15	7	SSE
09/11/2013	12:45	9	SSE	09/11/2013	17:20	11	SSE
09/11/2013	12:50	9	SSE	09/11/2013	17:25	8	SSE
09/11/2013	12:55	6	SSE	09/11/2013	17:30	7	SSE
09/11/2013	13:00	7	SSE	09/11/2013	17:35	10	SSE
09/11/2013	13:05	8	SSE	09/11/2013	17:40	8	SSE
09/11/2013	13:10	9	SSE	09/11/2013	17:45	8	SSE
09/11/2013	13:15	8	SSE	09/11/2013	17:50	8	SSE
09/11/2013	13:20	7	SSE	09/11/2013	17:55	7	SSE
09/11/2013	13:25	7	SSE	09/11/2013	18:00	7	SSE
09/11/2013	13:30	9	SSE	09/11/2013	18:05	8	SSE
09/11/2013	13:35	8	SSE	09/11/2013	18:10	7	SSE
09/11/2013	13:40	9	SSE	09/11/2013	18:15	8	SSE
09/11/2013	13:45	9	SSE	09/11/2013	18:20	9	SSE
09/11/2013	13:50	10	SSE	09/11/2013	18:25	9	SSE
09/11/2013	13:55	9	SSE	09/11/2013	18:30	9	SSE
09/11/2013	14:00	8	SSE	09/11/2013	18:35	7	SSE
09/11/2013	14:05	8	SSE	09/11/2013	18:40	12	SSE
09/11/2013	14:10	10	SSE	09/11/2013	18:45	9	SSE
09/11/2013	14:15	10	SSE	09/11/2013	18:50	9	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
09/11/2013	18:55	9	SSE	09/11/2013	23:30	10	SSE
09/11/2013	19:00	11	SSE	09/11/2013	23:35	10	SSE
09/11/2013	19:05	12	SSE	09/11/2013	23:40	8	SSE
09/11/2013	19:10	12	SSE	09/11/2013	23:45	9	SSE
09/11/2013	19:15	11	S	09/11/2013	23:50	10	SSE
09/11/2013	19:20	9	SSE	09/11/2013	23:55	8	SSE
09/11/2013	19:25	11	SSE	10/11/2013	00:00	8	SSE
09/11/2013	19:30	12	SSE	10/11/2013	00:05	9	SSE
09/11/2013	19:35	12	SSE	10/11/2013	00:10	8	S
09/11/2013	19:40	13	SSE	10/11/2013	00:15	8	SSE
09/11/2013	19:45	13	SSE	10/11/2013	00:20	6	SSE
09/11/2013	19:50	14	SSE	10/11/2013	00:25	9	SSE
09/11/2013	19:55	13	SSE	10/11/2013	00:30	8	SSE
09/11/2013	20:00	11	SSE	10/11/2013	00:35	10	SSE
09/11/2013	20:05	13	SSE	10/11/2013	00:40	8	SSE
09/11/2013	20:10	8	SSE	10/11/2013	00:45	11	SSE
09/11/2013	20:15	10	SSE	10/11/2013	00:50	9	SSE
09/11/2013	20:20	6	SSE	10/11/2013	00:55	9	SSE
09/11/2013	20:25	10	SSE	10/11/2013	01:00	8	SSE
09/11/2013	20:30	13	SSE	10/11/2013	01:05	8	SSE
09/11/2013	20:35	13	SSE	10/11/2013	01:10	8	SSE
09/11/2013	20:40	11	SSE	10/11/2013	01:15	9	S
09/11/2013	20:45	9	SSE	10/11/2013	01:20	10	SSE
09/11/2013	20:50	10	SSE	10/11/2013	01:25	7	SSE
09/11/2013	20:55	13	SSE	10/11/2013	01:30	7	SSE
09/11/2013	21:00	12	SSE	10/11/2013	01:35	7	S
09/11/2013	21:05	13	SSE	10/11/2013	01:40	8	SSE
09/11/2013	21:10	10	SSE	10/11/2013	01:45	10	SSE
09/11/2013	21:15	11	SSE	10/11/2013	01:50	9	SSE
09/11/2013	21:20	12	SSE	10/11/2013	01:55	11	SSE
09/11/2013	21:25	12	SSE	10/11/2013	02:00	9	SSE
09/11/2013	21:30	11	SSE	10/11/2013	02:05	9	SSE
09/11/2013	21:35	11	SSE	10/11/2013	02:10	10	SSE
09/11/2013	21:40	9	SSE	10/11/2013	02:15	9	SSE
09/11/2013	21:45	10	SSE	10/11/2013	02:20	6	SSE
09/11/2013	21:50	9	SSE	10/11/2013	02:25	5	SSE
09/11/2013	21:55	9	SSE	10/11/2013	02:30	7	SSE
09/11/2013	22:00	9	SSE	10/11/2013	02:35	6	SSE
09/11/2013	22:05	10	SSE	10/11/2013	02:40	8	SSE
09/11/2013	22:10	11	SSE	10/11/2013	02:45	6	SSE
09/11/2013	22:15	12	SSE	10/11/2013	02:50	8	SSE
09/11/2013	22:20	11	SSE	10/11/2013	02:55	7	S
09/11/2013	22:25	12	SSE	10/11/2013	03:00	7	S
09/11/2013	22:30	11	SSE	10/11/2013	03:05	7	SSE
09/11/2013	22:35	11	SSE	10/11/2013	03:10	7	SSE
09/11/2013	22:40	10	SSE	10/11/2013	03:15	6	SSE
09/11/2013	22:45	7	SSE	10/11/2013	03:20	6	SSE
09/11/2013	22:50	7	SSE	10/11/2013	03:25	7	SSE
09/11/2013	22:55	7	SSE	10/11/2013	03:30	6	SSE
09/11/2013	23:00	11	SSE	10/11/2013	03:35	5	SSE
09/11/2013	23:05	9	SSE	10/11/2013	03:40	7	SSE
09/11/2013	23:10	9	SSE	10/11/2013	03:45	9	SSE
09/11/2013	23:15	9	SSE	10/11/2013	03:50	6	S
09/11/2013	23:20	9	SSE	10/11/2013	03:55	5	SSE
09/11/2013	23:25	9	SSE	10/11/2013	04:00	8	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
10/11/2013	04:05	7	SSE	10/11/2013	08:40	7	S
10/11/2013	04:10	6	SSE	10/11/2013	08:45	9	SSE
10/11/2013	04:15	8	SSE	10/11/2013	08:50	7	S
10/11/2013	04:20	5	SSE	10/11/2013	08:55	6	SSE
10/11/2013	04:25	5	SE	10/11/2013	09:00	7	SSE
10/11/2013	04:30	5	SSW	10/11/2013	09:05	8	SSE
10/11/2013	04:35	4	S	10/11/2013	09:10	7	SSE
10/11/2013	04:40	7	S	10/11/2013	09:15	6	SSE
10/11/2013	04:45	4	SSE	10/11/2013	09:20	5	SSE
10/11/2013	04:50	3	S	10/11/2013	09:25	7	SSE
10/11/2013	04:55	5	SSE	10/11/2013	09:30	7	SSE
10/11/2013	05:00	3	SW	10/11/2013	09:35	7	SSE
10/11/2013	05:05	4	S	10/11/2013	09:40	7	SSE
10/11/2013	05:10	5	W	10/11/2013	09:45	7	S
10/11/2013	05:15	3	SSE	10/11/2013	09:50	7	SSE
10/11/2013	05:20	4	SSE	10/11/2013	09:55	7	SSE
10/11/2013	05:25	8	SSE	10/11/2013	10:00	8	SSE
10/11/2013	05:30	10	SSE	10/11/2013	10:05	6	S
10/11/2013	05:35	7	SSE	10/11/2013	10:10	4	SSE
10/11/2013	05:40	5	SSE	10/11/2013	10:15	7	SSE
10/11/2013	05:45	6	SSE	10/11/2013	10:20	6	SSE
10/11/2013	05:50	7	SSE	10/11/2013	10:25	6	SSE
10/11/2013	05:55	5	SSW	10/11/2013	10:30	6	SSE
10/11/2013	06:00	3	SSE	10/11/2013	10:35	6	S
10/11/2013	06:05	3	S	10/11/2013	10:40	8	SSE
10/11/2013	06:10	6	SSE	10/11/2013	10:45	10	SSE
10/11/2013	06:15	8	SSE	10/11/2013	10:50	10	SSE
10/11/2013	06:20	7	S	10/11/2013	10:55	9	SSE
10/11/2013	06:25	9	S	10/11/2013	11:00	9	SSE
10/11/2013	06:30	7	SSE	10/11/2013	11:05	10	SSE
10/11/2013	06:35	9	SSE	10/11/2013	11:10	10	SSE
10/11/2013	06:40	9	SSE	10/11/2013	11:15	8	SSE
10/11/2013	06:45	8	SSE	10/11/2013	11:20	9	SSE
10/11/2013	06:50	9	SSE	10/11/2013	11:25	8	S
10/11/2013	06:55	8	SSE	10/11/2013	11:30	9	SSE
10/11/2013	07:00	7	SSE	10/11/2013	11:35	8	SSE
10/11/2013	07:05	10	SSE	10/11/2013	11:40	9	SSE
10/11/2013	07:10	8	SSE	10/11/2013	11:45	10	SSE
10/11/2013	07:15	9	SSE	10/11/2013	11:50	10	SSE
10/11/2013	07:20	8	SSE	10/11/2013	11:55	9	SSE
10/11/2013	07:25	9	SSE	10/11/2013	12:00	8	SSE
10/11/2013	07:30	10	SSE	10/11/2013	12:05	8	S
10/11/2013	07:35	9	SSE	10/11/2013	12:10	8	SSE
10/11/2013	07:40	10	SSE	10/11/2013	12:15	8	SSE
10/11/2013	07:45	9	SSE	10/11/2013	12:20	9	SSE
10/11/2013	07:50	9	SSE	10/11/2013	12:25	9	SSE
10/11/2013	07:55	9	SSE	10/11/2013	12:30	8	SSE
10/11/2013	08:00	9	SSE	10/11/2013	12:35	7	SSE
10/11/2013	08:05	9	SSE	10/11/2013	12:40	10	SSE
10/11/2013	08:10	9	SSE	10/11/2013	12:45	10	SSE
10/11/2013	08:15	11	SSE	10/11/2013	12:50	9	SSE
10/11/2013	08:20	10	SSE	10/11/2013	12:55	9	SSE
10/11/2013	08:25	12	SSE	10/11/2013	13:00	9	SSE
10/11/2013	08:30	11	SSE	10/11/2013	13:05	10	SSE
10/11/2013	08:35	9	SSE	10/11/2013	13:10	8	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
10/11/2013	13:15	10	SSE	10/11/2013	17:50	8	S
10/11/2013	13:20	7	SSE	10/11/2013	17:55	9	SSE
10/11/2013	13:25	10	SSE	10/11/2013	18:00	8	SSE
10/11/2013	13:30	7	SSE	10/11/2013	18:05	8	SSE
10/11/2013	13:35	8	SSE	10/11/2013	18:10	7	SSE
10/11/2013	13:40	8	SSE	10/11/2013	18:15	7	SSE
10/11/2013	13:45	10	SSE	10/11/2013	18:20	7	SSE
10/11/2013	13:50	10	SSE	10/11/2013	18:25	8	SSE
10/11/2013	13:55	10	SSE	10/11/2013	18:30	7	SSE
10/11/2013	14:00	11	SSE	10/11/2013	18:35	7	S
10/11/2013	14:05	10	SSE	10/11/2013	18:40	7	S
10/11/2013	14:10	11	SSE	10/11/2013	18:45	9	SSE
10/11/2013	14:15	10	SSE	10/11/2013	18:50	7	SSE
10/11/2013	14:20	10	SSE	10/11/2013	18:55	8	SSE
10/11/2013	14:25	10	SSE	10/11/2013	19:00	9	SSE
10/11/2013	14:30	12	SSE	10/11/2013	19:05	5	SSE
10/11/2013	14:35	12	SSE	10/11/2013	19:10	8	SSE
10/11/2013	14:40	8	SSE	10/11/2013	19:15	8	SSE
10/11/2013	14:45	11	SSE	10/11/2013	19:20	8	SSE
10/11/2013	14:50	10	SSE	10/11/2013	19:25	6	SSE
10/11/2013	14:55	11	SSE	10/11/2013	19:30	9	SSE
10/11/2013	15:00	10	SSE	10/11/2013	19:35	6	S
10/11/2013	15:05	9	SSE	10/11/2013	19:40	7	SSE
10/11/2013	15:10	9	SSE	10/11/2013	19:45	8	SSE
10/11/2013	15:15	10	SSE	10/11/2013	19:50	8	SSE
10/11/2013	15:20	9	SSE	10/11/2013	19:55	7	SSE
10/11/2013	15:25	10	SSE	10/11/2013	20:00	7	SSE
10/11/2013	15:30	10	SSE	10/11/2013	20:05	8	SSE
10/11/2013	15:35	10	SSE	10/11/2013	20:10	9	SSE
10/11/2013	15:40	9	SSE	10/11/2013	20:15	10	SSE
10/11/2013	15:45	9	SSE	10/11/2013	20:20	12	SSE
10/11/2013	15:50	11	SSE	10/11/2013	20:25	10	SSE
10/11/2013	15:55	9	S	10/11/2013	20:30	10	SSE
10/11/2013	16:00	7	SSE	10/11/2013	20:35	10	SSE
10/11/2013	16:05	8	SSE	10/11/2013	20:40	7	SSE
10/11/2013	16:10	8	SSE	10/11/2013	20:45	7	SSE
10/11/2013	16:15	9	SSE	10/11/2013	20:50	8	SSE
10/11/2013	16:20	8	S	10/11/2013	20:55	5	SSE
10/11/2013	16:25	11	S	10/11/2013	21:00	8	SSE
10/11/2013	16:30	7	S	10/11/2013	21:05	9	SSE
10/11/2013	16:35	9	SSE	10/11/2013	21:10	7	SSE
10/11/2013	16:40	12	SSE	10/11/2013	21:15	6	SSE
10/11/2013	16:45	10	SSE	10/11/2013	21:20	7	SSE
10/11/2013	16:50	11	SSE	10/11/2013	21:25	8	SSE
10/11/2013	16:55	11	SSE	10/11/2013	21:30	7	SSE
10/11/2013	17:00	11	SSE	10/11/2013	21:35	7	SSE
10/11/2013	17:05	10	SSE	10/11/2013	21:40	7	SSE
10/11/2013	17:10	9	SSE	10/11/2013	21:45	8	S
10/11/2013	17:15	10	SSE	10/11/2013	21:50	7	S
10/11/2013	17:20	9	SSE	10/11/2013	21:55	8	SSE
10/11/2013	17:25	9	SSE	10/11/2013	22:00	8	SSE
10/11/2013	17:30	9	SSE	10/11/2013	22:05	8	SSE
10/11/2013	17:35	8	SSE	10/11/2013	22:10	8	SSE
10/11/2013	17:40	8	SSE	10/11/2013	22:15	9	SSE
10/11/2013	17:45	9	SSE	10/11/2013	22:20	10	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
10/11/2013	22:25	9	SSE	11/11/2013	03:00	10	SSE
10/11/2013	22:30	9	SSE	11/11/2013	03:05	7	SSE
10/11/2013	22:35	9	SSE	11/11/2013	03:10	9	SSE
10/11/2013	22:40	9	SSE	11/11/2013	03:15	11	SSE
10/11/2013	22:45	9	SSE	11/11/2013	03:20	9	SSE
10/11/2013	22:50	9	SSW	11/11/2013	03:25	10	SSE
10/11/2013	22:55	9	SSE	11/11/2013	03:30	10	SSE
10/11/2013	23:00	9	SSE	11/11/2013	03:35	9	SSE
10/11/2013	23:05	9	SSE	11/11/2013	03:40	10	SSE
10/11/2013	23:10	10	SSE	11/11/2013	03:45	10	SSE
10/11/2013	23:15	10	SSE	11/11/2013	03:50	11	SSE
10/11/2013	23:20	10	SSE	11/11/2013	03:55	11	SSE
10/11/2013	23:25	7	SSE	11/11/2013	04:00	10	SSE
10/11/2013	23:30	12	SSE	11/11/2013	04:05	10	SSE
10/11/2013	23:35	12	SSE	11/11/2013	04:10	8	SSE
10/11/2013	23:40	12	SSE	11/11/2013	04:15	10	SSE
10/11/2013	23:45	12	SSE	11/11/2013	04:20	8	SSE
10/11/2013	23:50	12	SSE	11/11/2013	04:25	9	SSE
10/11/2013	23:55	11	SSE	11/11/2013	04:30	12	SSE
11/11/2013	00:00	11	SSE	11/11/2013	04:35	10	SSE
11/11/2013	00:05	11	SSE	11/11/2013	04:40	11	SSE
11/11/2013	00:10	11	SSE	11/11/2013	04:45	11	SSE
11/11/2013	00:15	10	SSE	11/11/2013	04:50	9	SSE
11/11/2013	00:20	9	SSE	11/11/2013	04:55	11	SSE
11/11/2013	00:25	10	SSE	11/11/2013	05:00	10	SSE
11/11/2013	00:30	11	SSE	11/11/2013	05:05	11	SSE
11/11/2013	00:35	12	SSE	11/11/2013	05:10	11	SSE
11/11/2013	00:40	15	SSE	11/11/2013	05:15	12	SSE
11/11/2013	00:45	11	SSE	11/11/2013	05:20	10	SSE
11/11/2013	00:50	11	SSE	11/11/2013	05:25	12	SSE
11/11/2013	00:55	11	SSE	11/11/2013	05:30	11	SSE
11/11/2013	01:00	13	SSE	11/11/2013	05:35	13	SSE
11/11/2013	01:05	11	SSE	11/11/2013	05:40	11	SSE
11/11/2013	01:10	13	SSE	11/11/2013	05:45	9	SSE
11/11/2013	01:15	12	SSE	11/11/2013	05:50	12	SSE
11/11/2013	01:20	10	SSE	11/11/2013	05:55	9	SSE
11/11/2013	01:25	11	SSE	11/11/2013	06:00	12	SSE
11/11/2013	01:30	11	SSE	11/11/2013	06:05	10	SSE
11/11/2013	01:35	11	SSE	11/11/2013	06:10	13	SSE
11/11/2013	01:40	12	SSE	11/11/2013	06:15	11	SSE
11/11/2013	01:45	10	SSE	11/11/2013	06:20	11	SSE
11/11/2013	01:50	9	SSE	11/11/2013	06:25	11	SSE
11/11/2013	01:55	12	SSE	11/11/2013	06:30	9	SSE
11/11/2013	02:00	10	SSE	11/11/2013	06:35	9	SSE
11/11/2013	02:05	13	SSE	11/11/2013	06:40	8	SSE
11/11/2013	02:10	12	SSE	11/11/2013	06:45	11	SSE
11/11/2013	02:15	10	SSE	11/11/2013	06:50	10	SSE
11/11/2013	02:20	12	SSE	11/11/2013	06:55	10	SSE
11/11/2013	02:25	14	SSE	11/11/2013	07:00	11	SSE
11/11/2013	02:30	12	SSE	11/11/2013	07:05	12	SSE
11/11/2013	02:35	12	SSE	11/11/2013	07:10	11	SSE
11/11/2013	02:40	12	SSE	11/11/2013	07:15	11	S
11/11/2013	02:45	13	SSE	11/11/2013	07:20	9	SSE
11/11/2013	02:50	10	SSE	11/11/2013	07:25	10	SSE
11/11/2013	02:55	13	SSE	11/11/2013	07:30	11	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
11/11/2013	07:35	11	SSE	11/11/2013	12:10	10	SSE
11/11/2013	07:40	10	SSE	11/11/2013	12:15	11	SSE
11/11/2013	07:45	11	SSE	11/11/2013	12:20	10	SSE
11/11/2013	07:50	11	SSE	11/11/2013	12:25	11	SSE
11/11/2013	07:55	11	SSE	11/11/2013	12:30	11	SSE
11/11/2013	08:00	11	SSE	11/11/2013	12:35	12	SSE
11/11/2013	08:05	12	SSE	11/11/2013	12:40	12	SSE
11/11/2013	08:10	12	SSE	11/11/2013	12:45	11	SSE
11/11/2013	08:15	10	SSE	11/11/2013	12:50	12	SSE
11/11/2013	08:20	10	SSE	11/11/2013	12:55	12	SSE
11/11/2013	08:25	5	SSE	11/11/2013	13:00	12	SSE
11/11/2013	08:30	7	SSE	11/11/2013	13:05	10	SSE
11/11/2013	08:35	8	SSE	11/11/2013	13:10	12	SSE
11/11/2013	08:40	11	SSE	11/11/2013	13:15	11	SSE
11/11/2013	08:45	7	SSE	11/11/2013	13:20	14	SSE
11/11/2013	08:50	9	SSE	11/11/2013	13:25	13	SSE
11/11/2013	08:55	11	SSE	11/11/2013	13:30	11	SSE
11/11/2013	09:00	11	SSE	11/11/2013	13:35	15	SSE
11/11/2013	09:05	11	SSE	11/11/2013	13:40	16	SSE
11/11/2013	09:10	11	SSE	11/11/2013	13:45	13	SSE
11/11/2013	09:15	12	SSE	11/11/2013	13:50	13	SSE
11/11/2013	09:20	10	SSE	11/11/2013	13:55	13	SSE
11/11/2013	09:25	11	SSE	11/11/2013	14:00	15	SSE
11/11/2013	09:30	12	SSE	11/11/2013	14:05	13	SSE
11/11/2013	09:35	12	SSE	11/11/2013	14:10	15	SSE
11/11/2013	09:40	9	SSE	11/11/2013	14:15	14	SSE
11/11/2013	09:45	7	SE	11/11/2013	14:20	16	SSE
11/11/2013	09:50	10	SSE	11/11/2013	14:25	15	SSE
11/11/2013	09:55	8	SSE	11/11/2013	14:30	15	SSE
11/11/2013	10:00	9	SSE	11/11/2013	14:35	14	SSE
11/11/2013	10:05	9	SSE	11/11/2013	14:40	14	SSE
11/11/2013	10:10	8	SSE	11/11/2013	14:45	14	SSE
11/11/2013	10:15	10	SSE	11/11/2013	14:50	11	SSE
11/11/2013	10:20	12	SSE	11/11/2013	14:55	14	SSE
11/11/2013	10:25	13	SSE	11/11/2013	15:00	13	SSE
11/11/2013	10:30	14	SSE	11/11/2013	15:05	13	SSE
11/11/2013	10:35	12	SSE	11/11/2013	15:10	13	SSE
11/11/2013	10:40	11	SSE	11/11/2013	15:15	12	SSE
11/11/2013	10:45	12	SSE	11/11/2013	15:20	15	SSE
11/11/2013	10:50	10	SSE	11/11/2013	15:25	15	SSE
11/11/2013	10:55	7	SSE	11/11/2013	15:30	17	SSE
11/11/2013	11:00	8	SSE	11/11/2013	15:35	15	SSE
11/11/2013	11:05	9	SSE	11/11/2013	15:40	16	SSE
11/11/2013	11:10	9	SSE	11/11/2013	15:45	14	SSE
11/11/2013	11:15	10	SSE	11/11/2013	15:50	15	SSE
11/11/2013	11:20	12	SSE	11/11/2013	15:55	15	SSE
11/11/2013	11:25	11	SSE	11/11/2013	16:00	14	SSE
11/11/2013	11:30	9	SSE	11/11/2013	16:05	12	SSE
11/11/2013	11:35	11	SSE	11/11/2013	16:10	14	SSE
11/11/2013	11:40	9	SSE	11/11/2013	16:15	13	SSE
11/11/2013	11:45	13	SSE	11/11/2013	16:20	15	SSE
11/11/2013	11:50	11	SSE	11/11/2013	16:25	12	SSE
11/11/2013	11:55	9	SSE	11/11/2013	16:30	11	SSE
11/11/2013	12:00	11	SSE	11/11/2013	16:35	14	SSE
11/11/2013	12:05	11	SSE	11/11/2013	16:40	15	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
11/11/2013	16:45	15	SSE	11/11/2013	21:20	15	SSE
11/11/2013	16:50	13	SSE	11/11/2013	21:25	13	SSE
11/11/2013	16:55	13	SSE	11/11/2013	21:30	14	SSE
11/11/2013	17:00	12	SSE	11/11/2013	21:35	14	SSE
11/11/2013	17:05	13	SSE	11/11/2013	21:40	13	SSE
11/11/2013	17:10	13	SSE	11/11/2013	21:45	14	SSE
11/11/2013	17:15	15	SSE	11/11/2013	21:50	12	SSE
11/11/2013	17:20	14	SE	11/11/2013	21:55	14	SSE
11/11/2013	17:25	15	SSE	11/11/2013	22:00	14	SSE
11/11/2013	17:30	12	SSE	11/11/2013	22:05	13	SSE
11/11/2013	17:35	15	SSE	11/11/2013	22:10	15	SSE
11/11/2013	17:40	14	SSE	11/11/2013	22:15	13	SSE
11/11/2013	17:45	13	SSE	11/11/2013	22:20	15	SSE
11/11/2013	17:50	11	SSE	11/11/2013	22:25	14	SSE
11/11/2013	17:55	12	SSE	11/11/2013	22:30	13	SSE
11/11/2013	18:00	13	SSE	11/11/2013	22:35	12	SSE
11/11/2013	18:05	14	SSE	11/11/2013	22:40	13	SSE
11/11/2013	18:10	11	SSE	11/11/2013	22:45	12	SSE
11/11/2013	18:15	12	SSE	11/11/2013	22:50	9	SSE
11/11/2013	18:20	10	SSE	11/11/2013	22:55	10	SSE
11/11/2013	18:25	13	SSE	11/11/2013	23:00	12	SSE
11/11/2013	18:30	9	SSE	11/11/2013	23:05	11	SSE
11/11/2013	18:35	10	SSE	11/11/2013	23:10	10	SSE
11/11/2013	18:40	11	SSE	11/11/2013	23:15	10	SSE
11/11/2013	18:45	10	SSE	11/11/2013	23:20	10	SSE
11/11/2013	18:50	12	SSE	11/11/2013	23:25	11	SSE
11/11/2013	18:55	11	SSE	11/11/2013	23:30	12	SSE
11/11/2013	19:00	12	SSE	11/11/2013	23:35	13	SSE
11/11/2013	19:05	12	SSE	11/11/2013	23:40	12	SE
11/11/2013	19:10	12	SSE	11/11/2013	23:45	10	SSE
11/11/2013	19:15	13	SSE	11/11/2013	23:50	11	SSE
11/11/2013	19:20	14	SSE	11/11/2013	23:55	11	SSE
11/11/2013	19:25	10	SSE	12/11/2013	00:00	11	SSE
11/11/2013	19:30	12	SSE	12/11/2013	00:05	11	SE
11/11/2013	19:35	12	SSE	12/11/2013	00:10	11	SSE
11/11/2013	19:40	11	SSE	12/11/2013	00:15	9	SSE
11/11/2013	19:45	12	SSE	12/11/2013	00:20	9	SSE
11/11/2013	19:50	10	SSE	12/11/2013	00:25	7	SSE
11/11/2013	19:55	12	SSE	12/11/2013	00:30	11	SSE
11/11/2013	20:00	12	SSE	12/11/2013	00:35	8	SSE
11/11/2013	20:05	11	SSE	12/11/2013	00:40	8	SSE
11/11/2013	20:10	12	SSE	12/11/2013	00:45	9	SSE
11/11/2013	20:15	13	SSE	12/11/2013	00:50	9	SSE
11/11/2013	20:20	13	SSE	12/11/2013	00:55	8	SSE
11/11/2013	20:25	10	SSE	12/11/2013	01:00	10	SSE
11/11/2013	20:30	12	SSE	12/11/2013	01:05	9	SSE
11/11/2013	20:35	12	SSE	12/11/2013	01:10	10	SSE
11/11/2013	20:40	16	SSE	12/11/2013	01:15	11	SSE
11/11/2013	20:45	14	SSE	12/11/2013	01:20	9	SSE
11/11/2013	20:50	14	SSE	12/11/2013	01:25	9	SSE
11/11/2013	20:55	14	SSE	12/11/2013	01:30	9	SSE
11/11/2013	21:00	13	SSE	12/11/2013	01:35	12	SSE
11/11/2013	21:05	15	SSE	12/11/2013	01:40	11	SSE
11/11/2013	21:10	16	SSE	12/11/2013	01:45	9	SSE
11/11/2013	21:15	14	SSE	12/11/2013	01:50	9	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
12/11/2013	01:55	11	SSE	12/11/2013	06:30	12	SSE
12/11/2013	02:00	9	SSE	12/11/2013	06:35	13	SSE
12/11/2013	02:05	10	SSE	12/11/2013	06:40	14	SSE
12/11/2013	02:10	9	SSE	12/11/2013	06:45	16	SSE
12/11/2013	02:15	9	SSE	12/11/2013	06:50	14	SSE
12/11/2013	02:20	7	SSE	12/11/2013	06:55	15	SSE
12/11/2013	02:25	8	SSE	12/11/2013	07:00	12	SSE
12/11/2013	02:30	8	SE	12/11/2013	07:05	11	SSE
12/11/2013	02:35	9	SSE	12/11/2013	07:10	12	SSE
12/11/2013	02:40	7	SSE	12/11/2013	07:15	12	SSE
12/11/2013	02:45	7	SE	12/11/2013	07:20	12	SSE
12/11/2013	02:50	7	SE	12/11/2013	07:25	12	SE
12/11/2013	02:55	7	SE	12/11/2013	07:30	11	SSE
12/11/2013	03:00	7	SSE	12/11/2013	07:35	8	SSE
12/11/2013	03:05	5	SSE	12/11/2013	07:40	10	SSE
12/11/2013	03:10	7	SSE	12/11/2013	07:45	11	SSE
12/11/2013	03:15	8	SSE	12/11/2013	07:50	10	SE
12/11/2013	03:20	9	SSE	12/11/2013	07:55	13	SSE
12/11/2013	03:25	8	SSE	12/11/2013	08:00	14	SSE
12/11/2013	03:30	8	SSE	12/11/2013	08:05	14	SSE
12/11/2013	03:35	9	SSE	12/11/2013	08:10	16	SSE
12/11/2013	03:40	9	SSE	12/11/2013	08:15	13	SSE
12/11/2013	03:45	11	SSE	12/11/2013	08:20	9	SE
12/11/2013	03:50	9	SSE	12/11/2013	08:25	12	SSE
12/11/2013	03:55	8	SSE	12/11/2013	08:30	8	S
12/11/2013	04:00	8	S	12/11/2013	08:35	10	SE
12/11/2013	04:05	10	SSE	12/11/2013	08:40	8	SE
12/11/2013	04:10	7	SSE	12/11/2013	08:45	8	SE
12/11/2013	04:15	8	SSE	12/11/2013	08:50	13	SSE
12/11/2013	04:20	9	SSE	12/11/2013	08:55	15	SSE
12/11/2013	04:25	7	SSE	12/11/2013	09:00	16	SSE
12/11/2013	04:30	7	SSE	12/11/2013	09:05	14	SSE
12/11/2013	04:35	8	SSE	12/11/2013	09:10	18	SE
12/11/2013	04:40	9	SSE	12/11/2013	09:15	14	SSE
12/11/2013	04:45	8	SSE	12/11/2013	09:20	15	SSE
12/11/2013	04:50	9	SE	12/11/2013	09:25	15	SSE
12/11/2013	04:55	8	SE	12/11/2013	09:30	13	SSE
12/11/2013	05:00	8	SSE	12/11/2013	09:35	15	SSE
12/11/2013	05:05	10	SSE	12/11/2013	09:40	14	SSE
12/11/2013	05:10	8	SSE	12/11/2013	09:45	16	SSE
12/11/2013	05:15	10	SSE	12/11/2013	09:50	15	SSE
12/11/2013	05:20	9	SSE	12/11/2013	09:55	18	SSE
12/11/2013	05:25	10	SSE	12/11/2013	10:00	16	SSE
12/11/2013	05:30	8	SSE	12/11/2013	10:05	14	SSE
12/11/2013	05:35	11	SSE	12/11/2013	10:10	16	SE
12/11/2013	05:40	12	SSE	12/11/2013	10:15	11	SSE
12/11/2013	05:45	12	SSE	12/11/2013	10:20	14	SSE
12/11/2013	05:50	12	SSE	12/11/2013	10:25	17	SSE
12/11/2013	05:55	13	SSE	12/11/2013	10:30	15	SE
12/11/2013	06:00	13	SSE	12/11/2013	10:35	13	SSE
12/11/2013	06:05	14	SSE	12/11/2013	10:40	15	SSE
12/11/2013	06:10	12	SSE	12/11/2013	10:45	16	SSE
12/11/2013	06:15	11	SSE	12/11/2013	10:50	13	SSE
12/11/2013	06:20	10	SSE	12/11/2013	10:55	9	SSE
12/11/2013	06:25	13	SSE	12/11/2013	11:00	12	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
12/11/2013	11:05	12	SSE	12/11/2013	15:40	7	ESE
12/11/2013	11:10	10	SSE	12/11/2013	15:45	14	SSE
12/11/2013	11:15	11	SE	12/11/2013	15:50	11	SE
12/11/2013	11:20	13	SSE	12/11/2013	15:55	10	SSE
12/11/2013	11:25	8	SSE	12/11/2013	16:00	6	SSE
12/11/2013	11:30	11	SSE	12/11/2013	16:05	4	N
12/11/2013	11:35	11	SSE	12/11/2013	16:10	11	SSE
12/11/2013	11:40	11	SSE	12/11/2013	16:15	9	SSE
12/11/2013	11:45	11	SSE	12/11/2013	16:20	11	SSE
12/11/2013	11:50	13	SSE	12/11/2013	16:25	8	SSE
12/11/2013	11:55	11	SSE	12/11/2013	16:30	9	S
12/11/2013	12:00	12	SSE	12/11/2013	16:35	7	SSE
12/11/2013	12:05	12	SSE	12/11/2013	16:40	13	SSE
12/11/2013	12:10	13	SE	12/11/2013	16:45	10	SE
12/11/2013	12:15	13	SE	12/11/2013	16:50	9	SSE
12/11/2013	12:20	13	SSE	12/11/2013	16:55	12	SSE
12/11/2013	12:25	10	SE	12/11/2013	17:00	12	SSE
12/11/2013	12:30	11	SE	12/11/2013	17:05	11	SSE
12/11/2013	12:35	10	SSE	12/11/2013	17:10	11	SSE
12/11/2013	12:40	8	SSE	12/11/2013	17:15	8	SSE
12/11/2013	12:45	11	SSE	12/11/2013	17:20	7	SSE
12/11/2013	12:50	10	SSE	12/11/2013	17:25	10	SSE
12/11/2013	12:55	11	SSE	12/11/2013	17:30	10	SSE
12/11/2013	13:00	9	SSE	12/11/2013	17:35	13	SE
12/11/2013	13:05	12	SSE	12/11/2013	17:40	9	SE
12/11/2013	13:10	11	SSE	12/11/2013	17:45	9	SSE
12/11/2013	13:15	12	SSE	12/11/2013	17:50	11	SE
12/11/2013	13:20	10	SSE	12/11/2013	17:55	7	SSE
12/11/2013	13:25	8	SSE	12/11/2013	18:00	10	SSE
12/11/2013	13:30	10	SSE	12/11/2013	18:05	10	SSE
12/11/2013	13:35	10	SSE	12/11/2013	18:10	9	SE
12/11/2013	13:40	12	SSE	12/11/2013	18:15	5	SSE
12/11/2013	13:45	10	SSE	12/11/2013	18:20	3	SE
12/11/2013	13:50	10	SSE	12/11/2013	18:25	2	ENE
12/11/2013	13:55	15	SSE	12/11/2013	18:30	4	NNW
12/11/2013	14:00	13	SSE	12/11/2013	18:35	6	NNE
12/11/2013	14:05	14	SSE	12/11/2013	18:40	5	N
12/11/2013	14:10	16	SSE	12/11/2013	18:45	4	NNW
12/11/2013	14:15	15	SSE	12/11/2013	18:50	4	SE
12/11/2013	14:20	12	SSE	12/11/2013	18:55	4	E
12/11/2013	14:25	15	SE	12/11/2013	19:00	5	NNW
12/11/2013	14:30	17	SE	12/11/2013	19:05	5	SW
12/11/2013	14:35	14	SE	12/11/2013	19:10	3	SE
12/11/2013	14:40	15	SE	12/11/2013	19:15	7	SE
12/11/2013	14:45	11	SSE	12/11/2013	19:20	8	SE
12/11/2013	14:50	6	SE	12/11/2013	19:25	8	SSE
12/11/2013	14:55	8	NW	12/11/2013	19:30	6	SE
12/11/2013	15:00	5	SSE	12/11/2013	19:35	7	SE
12/11/2013	15:05	5	S	12/11/2013	19:40	7	ESE
12/11/2013	15:10	9	SSE	12/11/2013	19:45	7	SE
12/11/2013	15:15	9	SSE	12/11/2013	19:50	7	SSE
12/11/2013	15:20	12	SE	12/11/2013	19:55	4	SSE
12/11/2013	15:25	11	SSE	12/11/2013	20:00	5	SE
12/11/2013	15:30	11	SSE	12/11/2013	20:05	6	SSE
12/11/2013	15:35	3	E	12/11/2013	20:10	6	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
12/11/2013	20:15	6	SSE	13/11/2013	00:50	1	SE
12/11/2013	20:20	8	SSE	13/11/2013	00:55	3	ESE
12/11/2013	20:25	5	SE	13/11/2013	01:00	3	SE
12/11/2013	20:30	6	SSE	13/11/2013	01:05	2	SSE
12/11/2013	20:35	6	SSE	13/11/2013	01:10	2	ESE
12/11/2013	20:40	8	SSE	13/11/2013	01:15	2	SE
12/11/2013	20:45	9	SSE	13/11/2013	01:20	1	SE
12/11/2013	20:50	7	SE	13/11/2013	01:25	1	SE
12/11/2013	20:55	8	SSE	13/11/2013	01:30	1	SSE
12/11/2013	21:00	10	SE	13/11/2013	01:35	1	SSE
12/11/2013	21:05	7	SSE	13/11/2013	01:40	1	SSE
12/11/2013	21:10	6	SE	13/11/2013	01:45	1	SSE
12/11/2013	21:15	7	SSE	13/11/2013	01:50	3	S
12/11/2013	21:20	6	SSE	13/11/2013	01:55	3	SSE
12/11/2013	21:25	5	SSE	13/11/2013	02:00	3	SSE
12/11/2013	21:30	9	SE	13/11/2013	02:05	2	SSE
12/11/2013	21:35	7	SSE	13/11/2013	02:10	3	SE
12/11/2013	21:40	6	SSE	13/11/2013	02:15	2	SSE
12/11/2013	21:45	10	SSE	13/11/2013	02:20	2	SE
12/11/2013	21:50	9	SSE	13/11/2013	02:25	2	SE
12/11/2013	21:55	8	SSE	13/11/2013	02:30	2	SE
12/11/2013	22:00	8	SSE	13/11/2013	02:35	2	SE
12/11/2013	22:05	7	SSE	13/11/2013	02:40	1	SE
12/11/2013	22:10	7	SSE	13/11/2013	02:45	2	SE
12/11/2013	22:15	6	SSE	13/11/2013	02:50	1	SE
12/11/2013	22:20	7	SSE	13/11/2013	02:55	2	ESE
12/11/2013	22:25	5	SSE	13/11/2013	03:00	1	SSE
12/11/2013	22:30	5	SSE	13/11/2013	03:05	1	SSE
12/11/2013	22:35	5	SE	13/11/2013	03:10	1	SE
12/11/2013	22:40	6	SE	13/11/2013	03:15	0	SE
12/11/2013	22:45	7	SSE	13/11/2013	03:20	0	ESE
12/11/2013	22:50	5	SSE	13/11/2013	03:25	1	ESE
12/11/2013	22:55	6	SSE	13/11/2013	03:30	1	ESE
12/11/2013	23:00	6	SSE	13/11/2013	03:35	0	SSE
12/11/2013	23:05	5	SSE	13/11/2013	03:40	0	SSE
12/11/2013	23:10	6	SSE	13/11/2013	03:45	0	SE
12/11/2013	23:15	5	SSE	13/11/2013	03:50	2	E
12/11/2013	23:20	4	SE	13/11/2013	03:55	3	E
12/11/2013	23:25	4	SE	13/11/2013	04:00	2	E
12/11/2013	23:30	3	SE	13/11/2013	04:05	0	---
12/11/2013	23:35	4	SSE	13/11/2013	04:10	1	E
12/11/2013	23:40	4	SE	13/11/2013	04:15	1	E
12/11/2013	23:45	3	SE	13/11/2013	04:20	3	ENE
12/11/2013	23:50	4	SE	13/11/2013	04:25	3	ENE
12/11/2013	23:55	4	ESE	13/11/2013	04:30	4	NE
13/11/2013	00:00	2	ESE	13/11/2013	04:35	5	E
13/11/2013	00:05	2	ESE	13/11/2013	04:40	5	E
13/11/2013	00:10	3	ESE	13/11/2013	04:45	5	E
13/11/2013	00:15	2	ESE	13/11/2013	04:50	4	E
13/11/2013	00:20	2	SE	13/11/2013	04:55	5	E
13/11/2013	00:25	2	SE	13/11/2013	05:00	6	E
13/11/2013	00:30	2	SE	13/11/2013	05:05	6	E
13/11/2013	00:35	3	SE	13/11/2013	05:10	7	ESE
13/11/2013	00:40	4	SSE	13/11/2013	05:15	5	E
13/11/2013	00:45	2	SE	13/11/2013	05:20	6	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
13/11/2013	05:25	7	E	13/11/2013	10:00	2	SSE
13/11/2013	05:30	6	E	13/11/2013	10:05	1	SSE
13/11/2013	05:35	5	E	13/11/2013	10:10	3	E
13/11/2013	05:40	6	E	13/11/2013	10:15	3	ESE
13/11/2013	05:45	6	E	13/11/2013	10:20	4	E
13/11/2013	05:50	5	E	13/11/2013	10:25	0	ESE
13/11/2013	05:55	5	ESE	13/11/2013	10:30	1	ESE
13/11/2013	06:00	5	ESE	13/11/2013	10:35	1	E
13/11/2013	06:05	5	E	13/11/2013	10:40	2	ENE
13/11/2013	06:10	4	ESE	13/11/2013	10:45	2	ESE
13/11/2013	06:15	5	E	13/11/2013	10:50	3	E
13/11/2013	06:20	3	SSE	13/11/2013	10:55	3	ENE
13/11/2013	06:25	2	SE	13/11/2013	11:00	4	NE
13/11/2013	06:30	1	S	13/11/2013	11:05	4	NE
13/11/2013	06:35	2	SSE	13/11/2013	11:10	4	ENE
13/11/2013	06:40	4	E	13/11/2013	11:15	4	ENE
13/11/2013	06:45	4	E	13/11/2013	11:20	5	ENE
13/11/2013	06:50	2	SE	13/11/2013	11:25	4	ENE
13/11/2013	06:55	3	SE	13/11/2013	11:30	5	ENE
13/11/2013	07:00	0	SSE	13/11/2013	11:35	5	ENE
13/11/2013	07:05	3	SE	13/11/2013	11:40	4	ENE
13/11/2013	07:10	4	E	13/11/2013	11:45	2	ENE
13/11/2013	07:15	2	ESE	13/11/2013	11:50	4	ENE
13/11/2013	07:20	4	ESE	13/11/2013	11:55	2	E
13/11/2013	07:25	3	ESE	13/11/2013	12:00	3	ENE
13/11/2013	07:30	2	ESE	13/11/2013	12:05	2	E
13/11/2013	07:35	4	E	13/11/2013	12:10	2	E
13/11/2013	07:40	5	E	13/11/2013	12:15	3	ENE
13/11/2013	07:45	4	E	13/11/2013	12:20	3	ENE
13/11/2013	07:50	5	E	13/11/2013	12:25	1	E
13/11/2013	07:55	5	E	13/11/2013	12:30	2	ENE
13/11/2013	08:00	4	E	13/11/2013	12:35	1	E
13/11/2013	08:05	5	E	13/11/2013	12:40	0	ESE
13/11/2013	08:10	4	E	13/11/2013	12:45	0	ESE
13/11/2013	08:15	6	E	13/11/2013	12:50	1	ESE
13/11/2013	08:20	4	ENE	13/11/2013	12:55	1	ESE
13/11/2013	08:25	5	E	13/11/2013	13:00	0	E
13/11/2013	08:30	4	E	13/11/2013	13:05	1	NE
13/11/2013	08:35	4	E	13/11/2013	13:10	3	NE
13/11/2013	08:40	4	ENE	13/11/2013	13:15	3	ENE
13/11/2013	08:45	5	E	13/11/2013	13:20	4	E
13/11/2013	08:50	2	SE	13/11/2013	13:25	4	ENE
13/11/2013	08:55	2	SE	13/11/2013	13:30	3	NE
13/11/2013	09:00	3	SE	13/11/2013	13:35	3	NE
13/11/2013	09:05	2	SE	13/11/2013	13:40	3	ENE
13/11/2013	09:10	4	E	13/11/2013	13:45	4	NNE
13/11/2013	09:15	3	ESE	13/11/2013	13:50	5	NE
13/11/2013	09:20	2	SE	13/11/2013	13:55	4	NE
13/11/2013	09:25	2	ESE	13/11/2013	14:00	6	NE
13/11/2013	09:30	2	SSE	13/11/2013	14:05	5	NE
13/11/2013	09:35	3	SSE	13/11/2013	14:10	5	NE
13/11/2013	09:40	3	E	13/11/2013	14:15	5	NE
13/11/2013	09:45	3	E	13/11/2013	14:20	5	NE
13/11/2013	09:50	4	SSE	13/11/2013	14:25	4	NE
13/11/2013	09:55	1	S	13/11/2013	14:30	5	ENE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
13/11/2013	14:35	6	ENE	13/11/2013	19:10	0	ESE
13/11/2013	14:40	6	NE	13/11/2013	19:15	0	---
13/11/2013	14:45	5	ENE	13/11/2013	19:20	0	S
13/11/2013	14:50	4	NE	13/11/2013	19:25	0	---
13/11/2013	14:55	5	ENE	13/11/2013	19:30	0	---
13/11/2013	15:00	5	ENE	13/11/2013	19:35	0	---
13/11/2013	15:05	4	ENE	13/11/2013	19:40	0	---
13/11/2013	15:10	3	ENE	13/11/2013	19:45	0	---
13/11/2013	15:15	3	NE	13/11/2013	19:50	0	---
13/11/2013	15:20	4	NNE	13/11/2013	19:55	0	---
13/11/2013	15:25	4	NNE	13/11/2013	20:00	0	---
13/11/2013	15:30	4	NE	13/11/2013	20:05	0	---
13/11/2013	15:35	4	NNE	13/11/2013	20:10	0	---
13/11/2013	15:40	3	NNE	13/11/2013	20:15	0	---
13/11/2013	15:45	3	N	13/11/2013	20:20	0	---
13/11/2013	15:50	4	N	13/11/2013	20:25	1	S
13/11/2013	15:55	3	NNE	13/11/2013	20:30	1	S
13/11/2013	16:00	2	NNE	13/11/2013	20:35	2	SSE
13/11/2013	16:05	4	NE	13/11/2013	20:40	1	SSE
13/11/2013	16:10	4	NE	13/11/2013	20:45	0	---
13/11/2013	16:15	3	NE	13/11/2013	20:50	0	---
13/11/2013	16:20	3	NNE	13/11/2013	20:55	0	---
13/11/2013	16:25	1	NE	13/11/2013	21:00	0	---
13/11/2013	16:30	2	NE	13/11/2013	21:05	0	---
13/11/2013	16:35	3	NE	13/11/2013	21:10	0	---
13/11/2013	16:40	3	NE	13/11/2013	21:15	0	---
13/11/2013	16:45	2	NE	13/11/2013	21:20	0	---
13/11/2013	16:50	0	NE	13/11/2013	21:25	0	---
13/11/2013	16:55	0	ENE	13/11/2013	21:30	0	---
13/11/2013	17:00	1	ENE	13/11/2013	21:35	0	---
13/11/2013	17:05	0	---	13/11/2013	21:40	0	---
13/11/2013	17:10	1	NNW	13/11/2013	21:45	0	---
13/11/2013	17:15	0	NW	13/11/2013	21:50	0	---
13/11/2013	17:20	0	---	13/11/2013	21:55	0	---
13/11/2013	17:25	0	---	13/11/2013	22:00	0	---
13/11/2013	17:30	0	---	13/11/2013	22:05	0	---
13/11/2013	17:35	0	---	13/11/2013	22:10	0	---
13/11/2013	17:40	0	---	13/11/2013	22:15	0	---
13/11/2013	17:45	0	---	13/11/2013	22:20	0	---
13/11/2013	17:50	0	---	13/11/2013	22:25	0	---
13/11/2013	17:55	0	---	13/11/2013	22:30	0	---
13/11/2013	18:00	1	ESE	13/11/2013	22:35	0	---
13/11/2013	18:05	2	NNE	13/11/2013	22:40	0	---
13/11/2013	18:10	1	NNE	13/11/2013	22:45	0	---
13/11/2013	18:15	3	N	13/11/2013	22:50	0	---
13/11/2013	18:20	2	WNW	13/11/2013	22:55	0	---
13/11/2013	18:25	1	WNW	13/11/2013	23:00	0	---
13/11/2013	18:30	2	WNW	13/11/2013	23:05	0	---
13/11/2013	18:35	2	W	13/11/2013	23:10	0	---
13/11/2013	18:40	1	WNW	13/11/2013	23:15	0	---
13/11/2013	18:45	2	WNW	13/11/2013	23:20	0	---
13/11/2013	18:50	1	NW	13/11/2013	23:25	0	---
13/11/2013	18:55	0	WNW	13/11/2013	23:30	0	---
13/11/2013	19:00	0	---	13/11/2013	23:35	0	---
13/11/2013	19:05	0	---	13/11/2013	23:40	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
13/11/2013	23:45	0	---	14/11/2013	04:20	0	---
13/11/2013	23:50	0	---	14/11/2013	04:25	0	---
13/11/2013	23:55	0	---	14/11/2013	04:30	0	---
14/11/2013	00:00	0	---	14/11/2013	04:35	0	---
14/11/2013	00:05	0	---	14/11/2013	04:40	0	---
14/11/2013	00:10	0	---	14/11/2013	04:45	0	---
14/11/2013	00:15	0	---	14/11/2013	04:50	0	---
14/11/2013	00:20	0	---	14/11/2013	04:55	0	---
14/11/2013	00:25	0	---	14/11/2013	05:00	1	SSE
14/11/2013	00:30	0	---	14/11/2013	05:05	0	---
14/11/2013	00:35	0	---	14/11/2013	05:10	0	---
14/11/2013	00:40	0	---	14/11/2013	05:15	2	S
14/11/2013	00:45	2	SE	14/11/2013	05:20	1	S
14/11/2013	00:50	1	NE	14/11/2013	05:25	0	S
14/11/2013	00:55	1	E	14/11/2013	05:30	0	---
14/11/2013	01:00	1	ENE	14/11/2013	05:35	0	---
14/11/2013	01:05	1	ENE	14/11/2013	05:40	0	---
14/11/2013	01:10	1	ENE	14/11/2013	05:45	0	---
14/11/2013	01:15	0	NE	14/11/2013	05:50	0	---
14/11/2013	01:20	1	ESE	14/11/2013	05:55	0	---
14/11/2013	01:25	2	SE	14/11/2013	06:00	0	---
14/11/2013	01:30	3	NE	14/11/2013	06:05	0	---
14/11/2013	01:35	3	ESE	14/11/2013	06:10	1	NW
14/11/2013	01:40	3	E	14/11/2013	06:15	1	WNW
14/11/2013	01:45	3	E	14/11/2013	06:20	0	---
14/11/2013	01:50	2	E	14/11/2013	06:25	0	---
14/11/2013	01:55	3	E	14/11/2013	06:30	1	ESE
14/11/2013	02:00	3	ENE	14/11/2013	06:35	2	SSE
14/11/2013	02:05	3	E	14/11/2013	06:40	3	SSE
14/11/2013	02:10	4	E	14/11/2013	06:45	1	SE
14/11/2013	02:15	3	ENE	14/11/2013	06:50	1	SE
14/11/2013	02:20	1	E	14/11/2013	06:55	3	SSE
14/11/2013	02:25	4	ENE	14/11/2013	07:00	3	SSE
14/11/2013	02:30	4	E	14/11/2013	07:05	3	SE
14/11/2013	02:35	4	ENE	14/11/2013	07:10	5	ENE
14/11/2013	02:40	4	E	14/11/2013	07:15	4	E
14/11/2013	02:45	5	E	14/11/2013	07:20	5	ENE
14/11/2013	02:50	6	ENE	14/11/2013	07:25	5	E
14/11/2013	02:55	5	ENE	14/11/2013	07:30	5	E
14/11/2013	03:00	5	ENE	14/11/2013	07:35	6	ENE
14/11/2013	03:05	4	ENE	14/11/2013	07:40	5	ENE
14/11/2013	03:10	3	NE	14/11/2013	07:45	4	ENE
14/11/2013	03:15	2	ESE	14/11/2013	07:50	3	ESE
14/11/2013	03:20	3	E	14/11/2013	07:55	3	ESE
14/11/2013	03:25	2	E	14/11/2013	08:00	2	SE
14/11/2013	03:30	1	E	14/11/2013	08:05	3	E
14/11/2013	03:35	2	SE	14/11/2013	08:10	3	SSE
14/11/2013	03:40	1	SE	14/11/2013	08:15	4	SSE
14/11/2013	03:45	0	---	14/11/2013	08:20	6	SSE
14/11/2013	03:50	0	SE	14/11/2013	08:25	5	SSE
14/11/2013	03:55	2	SE	14/11/2013	08:30	3	SE
14/11/2013	04:00	1	SSE	14/11/2013	08:35	5	SE
14/11/2013	04:05	0	SSE	14/11/2013	08:40	6	SSE
14/11/2013	04:10	0	---	14/11/2013	08:45	6	SSE
14/11/2013	04:15	0	---	14/11/2013	08:50	4	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
14/11/2013	08:55	5	SSE	14/11/2013	13:30	3	NE
14/11/2013	09:00	4	SE	14/11/2013	13:35	3	NE
14/11/2013	09:05	4	S	14/11/2013	13:40	5	NNE
14/11/2013	09:10	5	SSE	14/11/2013	13:45	5	NNE
14/11/2013	09:15	4	SE	14/11/2013	13:50	4	NNE
14/11/2013	09:20	3	SSE	14/11/2013	13:55	7	NNW
14/11/2013	09:25	4	SSE	14/11/2013	14:00	5	NNE
14/11/2013	09:30	4	SSE	14/11/2013	14:05	6	NNE
14/11/2013	09:35	3	SSE	14/11/2013	14:10	7	NNE
14/11/2013	09:40	2	ESE	14/11/2013	14:15	7	N
14/11/2013	09:45	2	SE	14/11/2013	14:20	8	N
14/11/2013	09:50	1	S	14/11/2013	14:25	7	N
14/11/2013	09:55	2	SSE	14/11/2013	14:30	8	NNE
14/11/2013	10:00	3	S	14/11/2013	14:35	9	N
14/11/2013	10:05	2	SSE	14/11/2013	14:40	8	N
14/11/2013	10:10	2	SSE	14/11/2013	14:45	8	N
14/11/2013	10:15	2	SSE	14/11/2013	14:50	8	NNE
14/11/2013	10:20	2	SSE	14/11/2013	14:55	7	NNE
14/11/2013	10:25	1	SE	14/11/2013	15:00	8	NNE
14/11/2013	10:30	0	S	14/11/2013	15:05	9	NNE
14/11/2013	10:35	3	E	14/11/2013	15:10	10	NNE
14/11/2013	10:40	3	E	14/11/2013	15:15	9	N
14/11/2013	10:45	2	E	14/11/2013	15:20	9	N
14/11/2013	10:50	0	E	14/11/2013	15:25	8	NNE
14/11/2013	10:55	1	ESE	14/11/2013	15:30	7	NNE
14/11/2013	11:00	1	E	14/11/2013	15:35	8	NNE
14/11/2013	11:05	2	SE	14/11/2013	15:40	8	N
14/11/2013	11:10	3	SE	14/11/2013	15:45	9	NNE
14/11/2013	11:15	4	SSE	14/11/2013	15:50	10	NNE
14/11/2013	11:20	1	SSE	14/11/2013	15:55	8	NE
14/11/2013	11:25	4	E	14/11/2013	16:00	9	NNE
14/11/2013	11:30	3	E	14/11/2013	16:05	9	NNE
14/11/2013	11:35	4	E	14/11/2013	16:10	7	N
14/11/2013	11:40	2	ESE	14/11/2013	16:15	9	NNE
14/11/2013	11:45	4	E	14/11/2013	16:20	9	NNE
14/11/2013	11:50	3	E	14/11/2013	16:25	10	NNE
14/11/2013	11:55	2	ENE	14/11/2013	16:30	8	N
14/11/2013	12:00	1	ENE	14/11/2013	16:35	6	NNE
14/11/2013	12:05	1	ESE	14/11/2013	16:40	8	NNE
14/11/2013	12:10	2	E	14/11/2013	16:45	8	NNE
14/11/2013	12:15	2	ENE	14/11/2013	16:50	7	NNE
14/11/2013	12:20	2	NE	14/11/2013	16:55	7	NNE
14/11/2013	12:25	0	NE	14/11/2013	17:00	9	NNE
14/11/2013	12:30	1	E	14/11/2013	17:05	9	NNE
14/11/2013	12:35	1	ESE	14/11/2013	17:10	7	NNE
14/11/2013	12:40	1	ESE	14/11/2013	17:15	9	NNE
14/11/2013	12:45	0	---	14/11/2013	17:20	9	NNE
14/11/2013	12:50	0	---	14/11/2013	17:25	7	NNE
14/11/2013	12:55	0	---	14/11/2013	17:30	6	NNE
14/11/2013	13:00	0	---	14/11/2013	17:35	6	NNE
14/11/2013	13:05	0	NNE	14/11/2013	17:40	7	NE
14/11/2013	13:10	3	NE	14/11/2013	17:45	5	NNE
14/11/2013	13:15	3	NE	14/11/2013	17:50	6	NNE
14/11/2013	13:20	2	ENE	14/11/2013	17:55	7	NNE
14/11/2013	13:25	3	NNE	14/11/2013	18:00	4	NNE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
14/11/2013	18:05	7	NNE	14/11/2013	22:40	1	E
14/11/2013	18:10	6	NNE	14/11/2013	22:45	3	NNE
14/11/2013	18:15	7	N	14/11/2013	22:50	2	ENE
14/11/2013	18:20	5	NE	14/11/2013	22:55	3	NNE
14/11/2013	18:25	5	NE	14/11/2013	23:00	1	ENE
14/11/2013	18:30	5	ENE	14/11/2013	23:05	1	NE
14/11/2013	18:35	6	NE	14/11/2013	23:10	4	NE
14/11/2013	18:40	6	NE	14/11/2013	23:15	3	NNE
14/11/2013	18:45	4	N	14/11/2013	23:20	2	N
14/11/2013	18:50	5	N	14/11/2013	23:25	2	NNE
14/11/2013	18:55	4	NE	14/11/2013	23:30	3	NNE
14/11/2013	19:00	5	NNE	14/11/2013	23:35	2	NNE
14/11/2013	19:05	7	N	14/11/2013	23:40	3	NNE
14/11/2013	19:10	6	NNE	14/11/2013	23:45	3	NE
14/11/2013	19:15	6	NNE	14/11/2013	23:50	3	NE
14/11/2013	19:20	6	NE	14/11/2013	23:55	1	NNE
14/11/2013	19:25	5	NNE	15/11/2013	00:00	0	---
14/11/2013	19:30	7	NNE	15/11/2013	00:05	2	NNE
14/11/2013	19:35	7	NNE	15/11/2013	00:10	0	NNE
14/11/2013	19:40	7	NE	15/11/2013	00:15	2	NNE
14/11/2013	19:45	6	NE	15/11/2013	00:20	3	NE
14/11/2013	19:50	7	NNE	15/11/2013	00:25	4	NNE
14/11/2013	19:55	5	NNE	15/11/2013	00:30	3	NNE
14/11/2013	20:00	3	NNE	15/11/2013	00:35	2	NNE
14/11/2013	20:05	4	NE	15/11/2013	00:40	2	NNE
14/11/2013	20:10	3	NNE	15/11/2013	00:45	1	NNE
14/11/2013	20:15	3	NE	15/11/2013	00:50	0	N
14/11/2013	20:20	5	NE	15/11/2013	00:55	1	NE
14/11/2013	20:25	6	NE	15/11/2013	01:00	1	ENE
14/11/2013	20:30	5	NNE	15/11/2013	01:05	2	N
14/11/2013	20:35	4	N	15/11/2013	01:10	0	NE
14/11/2013	20:40	5	NNE	15/11/2013	01:15	0	---
14/11/2013	20:45	5	NE	15/11/2013	01:20	0	---
14/11/2013	20:50	4	N	15/11/2013	01:25	0	NE
14/11/2013	20:55	4	NNE	15/11/2013	01:30	0	---
14/11/2013	21:00	4	NE	15/11/2013	01:35	3	ESE
14/11/2013	21:05	4	NNE	15/11/2013	01:40	2	NE
14/11/2013	21:10	5	NNE	15/11/2013	01:45	4	E
14/11/2013	21:15	4	NNE	15/11/2013	01:50	3	E
14/11/2013	21:20	3	NNE	15/11/2013	01:55	4	E
14/11/2013	21:25	4	NE	15/11/2013	02:00	5	ENE
14/11/2013	21:30	4	NNE	15/11/2013	02:05	5	ENE
14/11/2013	21:35	4	N	15/11/2013	02:10	5	ENE
14/11/2013	21:40	2	NNE	15/11/2013	02:15	5	E
14/11/2013	21:45	4	NE	15/11/2013	02:20	3	ENE
14/11/2013	21:50	4	NNE	15/11/2013	02:25	3	NE
14/11/2013	21:55	2	NNE	15/11/2013	02:30	4	ENE
14/11/2013	22:00	2	NE	15/11/2013	02:35	4	NE
14/11/2013	22:05	2	NE	15/11/2013	02:40	2	NE
14/11/2013	22:10	3	NNE	15/11/2013	02:45	1	ENE
14/11/2013	22:15	3	NE	15/11/2013	02:50	4	ENE
14/11/2013	22:20	4	N	15/11/2013	02:55	4	NE
14/11/2013	22:25	2	NNE	15/11/2013	03:00	2	NE
14/11/2013	22:30	3	NNE	15/11/2013	03:05	3	NE
14/11/2013	22:35	1	NE	15/11/2013	03:10	3	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
15/11/2013	03:15	1	E	15/11/2013	07:50	3	ENE
15/11/2013	03:20	2	ENE	15/11/2013	07:55	4	ENE
15/11/2013	03:25	0	---	15/11/2013	08:00	2	NNE
15/11/2013	03:30	1	NE	15/11/2013	08:05	3	NNE
15/11/2013	03:35	0	NE	15/11/2013	08:10	4	ENE
15/11/2013	03:40	0	---	15/11/2013	08:15	3	ENE
15/11/2013	03:45	0	---	15/11/2013	08:20	4	NE
15/11/2013	03:50	0	---	15/11/2013	08:25	3	NE
15/11/2013	03:55	1	NNE	15/11/2013	08:30	2	ENE
15/11/2013	04:00	0	NNW	15/11/2013	08:35	1	NE
15/11/2013	04:05	1	N	15/11/2013	08:40	2	N
15/11/2013	04:10	1	WNW	15/11/2013	08:45	3	NE
15/11/2013	04:15	0	WNW	15/11/2013	08:50	4	ENE
15/11/2013	04:20	0	---	15/11/2013	08:55	3	ENE
15/11/2013	04:25	2	NNE	15/11/2013	09:00	3	NNW
15/11/2013	04:30	4	ENE	15/11/2013	09:05	2	NNW
15/11/2013	04:35	4	ENE	15/11/2013	09:10	3	NE
15/11/2013	04:40	2	E	15/11/2013	09:15	2	NNW
15/11/2013	04:45	4	ENE	15/11/2013	09:20	2	NNW
15/11/2013	04:50	2	ENE	15/11/2013	09:25	3	NW
15/11/2013	04:55	3	NE	15/11/2013	09:30	2	NNW
15/11/2013	05:00	0	---	15/11/2013	09:35	3	N
15/11/2013	05:05	2	NW	15/11/2013	09:40	2	NNW
15/11/2013	05:10	1	WNW	15/11/2013	09:45	0	NE
15/11/2013	05:15	0	N	15/11/2013	09:50	0	NNW
15/11/2013	05:20	3	NNW	15/11/2013	09:55	0	NNE
15/11/2013	05:25	2	WNW	15/11/2013	10:00	1	ESE
15/11/2013	05:30	1	NE	15/11/2013	10:05	1	SW
15/11/2013	05:35	1	NNW	15/11/2013	10:10	1	WSW
15/11/2013	05:40	2	NE	15/11/2013	10:15	1	ENE
15/11/2013	05:45	3	NNW	15/11/2013	10:20	3	SE
15/11/2013	05:50	2	NW	15/11/2013	10:25	1	SE
15/11/2013	05:55	3	WNW	15/11/2013	10:30	1	SSE
15/11/2013	06:00	3	NW	15/11/2013	10:35	2	ENE
15/11/2013	06:05	3	WNW	15/11/2013	10:40	1	ENE
15/11/2013	06:10	3	NW	15/11/2013	10:45	1	S
15/11/2013	06:15	2	NW	15/11/2013	10:50	1	SSW
15/11/2013	06:20	0	NNW	15/11/2013	10:55	1	NE
15/11/2013	06:25	3	WNW	15/11/2013	11:00	3	E
15/11/2013	06:30	3	NW	15/11/2013	11:05	2	E
15/11/2013	06:35	2	WNW	15/11/2013	11:10	1	SE
15/11/2013	06:40	4	WNW	15/11/2013	11:15	2	NNE
15/11/2013	06:45	4	W	15/11/2013	11:20	1	NE
15/11/2013	06:50	4	SE	15/11/2013	11:25	2	NE
15/11/2013	06:55	3	ENE	15/11/2013	11:30	2	E
15/11/2013	07:00	3	NNE	15/11/2013	11:35	1	ENE
15/11/2013	07:05	2	N	15/11/2013	11:40	1	ENE
15/11/2013	07:10	1	NW	15/11/2013	11:45	0	E
15/11/2013	07:15	2	WNW	15/11/2013	11:50	2	ENE
15/11/2013	07:20	1	W	15/11/2013	11:55	1	SE
15/11/2013	07:25	1	NW	15/11/2013	12:00	2	ENE
15/11/2013	07:30	2	WNW	15/11/2013	12:05	1	E
15/11/2013	07:35	2	NNW	15/11/2013	12:10	2	E
15/11/2013	07:40	2	N	15/11/2013	12:15	2	E
15/11/2013	07:45	2	NE	15/11/2013	12:20	1	ENE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
15/11/2013	12:25	2	E	15/11/2013	17:00	2	W
15/11/2013	12:30	2	E	15/11/2013	17:05	3	N
15/11/2013	12:35	2	E	15/11/2013	17:10	2	NNW
15/11/2013	12:40	2	E	15/11/2013	17:15	1	WSW
15/11/2013	12:45	2	E	15/11/2013	17:20	0	NW
15/11/2013	12:50	2	E	15/11/2013	17:25	1	WNW
15/11/2013	12:55	3	E	15/11/2013	17:30	2	S
15/11/2013	13:00	3	E	15/11/2013	17:35	1	SSW
15/11/2013	13:05	2	ESE	15/11/2013	17:40	1	NW
15/11/2013	13:10	3	ENE	15/11/2013	17:45	2	W
15/11/2013	13:15	3	NNE	15/11/2013	17:50	2	WNW
15/11/2013	13:20	4	NE	15/11/2013	17:55	3	WNW
15/11/2013	13:25	5	NNE	15/11/2013	18:00	4	WNW
15/11/2013	13:30	6	N	15/11/2013	18:05	4	W
15/11/2013	13:35	7	NNW	15/11/2013	18:10	3	W
15/11/2013	13:40	7	NNW	15/11/2013	18:15	2	WNW
15/11/2013	13:45	6	N	15/11/2013	18:20	4	W
15/11/2013	13:50	6	N	15/11/2013	18:25	3	NW
15/11/2013	13:55	6	NNW	15/11/2013	18:30	3	WNW
15/11/2013	14:00	5	NNW	15/11/2013	18:35	3	WNW
15/11/2013	14:05	5	N	15/11/2013	18:40	3	WNW
15/11/2013	14:10	5	N	15/11/2013	18:45	4	WNW
15/11/2013	14:15	5	NNE	15/11/2013	18:50	3	W
15/11/2013	14:20	4	NNE	15/11/2013	18:55	3	NW
15/11/2013	14:25	3	NNE	15/11/2013	19:00	3	WNW
15/11/2013	14:30	5	N	15/11/2013	19:05	3	WNW
15/11/2013	14:35	4	NNE	15/11/2013	19:10	3	W
15/11/2013	14:40	5	NNW	15/11/2013	19:15	2	W
15/11/2013	14:45	4	NW	15/11/2013	19:20	1	W
15/11/2013	14:50	3	W	15/11/2013	19:25	1	WSW
15/11/2013	14:55	5	NNW	15/11/2013	19:30	0	---
15/11/2013	15:00	5	N	15/11/2013	19:35	0	---
15/11/2013	15:05	3	NNW	15/11/2013	19:40	0	---
15/11/2013	15:10	5	NNW	15/11/2013	19:45	0	---
15/11/2013	15:15	3	NW	15/11/2013	19:50	0	NNW
15/11/2013	15:20	4	N	15/11/2013	19:55	0	---
15/11/2013	15:25	5	N	15/11/2013	20:00	0	---
15/11/2013	15:30	6	NNE	15/11/2013	20:05	0	---
15/11/2013	15:35	5	N	15/11/2013	20:10	0	---
15/11/2013	15:40	4	N	15/11/2013	20:15	0	---
15/11/2013	15:45	6	N	15/11/2013	20:20	2	WSW
15/11/2013	15:50	6	NNW	15/11/2013	20:25	1	NE
15/11/2013	15:55	5	NNW	15/11/2013	20:30	0	---
15/11/2013	16:00	5	N	15/11/2013	20:35	0	SE
15/11/2013	16:05	6	NNW	15/11/2013	20:40	1	SE
15/11/2013	16:10	5	NNW	15/11/2013	20:45	0	---
15/11/2013	16:15	4	NNW	15/11/2013	20:50	0	---
15/11/2013	16:20	6	NNW	15/11/2013	20:55	0	W
15/11/2013	16:25	6	N	15/11/2013	21:00	0	---
15/11/2013	16:30	4	NW	15/11/2013	21:05	0	---
15/11/2013	16:35	5	NNW	15/11/2013	21:10	0	---
15/11/2013	16:40	2	NNW	15/11/2013	21:15	0	---
15/11/2013	16:45	3	NW	15/11/2013	21:20	0	---
15/11/2013	16:50	4	NW	15/11/2013	21:25	0	---
15/11/2013	16:55	5	NW	15/11/2013	21:30	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
15/11/2013	21:35	0	---	16/11/2013	02:10	2	SSE
15/11/2013	21:40	0	---	16/11/2013	02:15	2	SSE
15/11/2013	21:45	0	---	16/11/2013	02:20	1	SSE
15/11/2013	21:50	0	---	16/11/2013	02:25	2	SSE
15/11/2013	21:55	0	---	16/11/2013	02:30	3	SE
15/11/2013	22:00	0	---	16/11/2013	02:35	3	SE
15/11/2013	22:05	0	---	16/11/2013	02:40	3	SSE
15/11/2013	22:10	0	---	16/11/2013	02:45	2	SE
15/11/2013	22:15	0	---	16/11/2013	02:50	1	SE
15/11/2013	22:20	0	---	16/11/2013	02:55	1	SSE
15/11/2013	22:25	0	---	16/11/2013	03:00	2	SSE
15/11/2013	22:30	0	---	16/11/2013	03:05	1	SSE
15/11/2013	22:35	0	---	16/11/2013	03:10	1	SSE
15/11/2013	22:40	0	---	16/11/2013	03:15	0	SSE
15/11/2013	22:45	0	---	16/11/2013	03:20	3	SE
15/11/2013	22:50	0	---	16/11/2013	03:25	4	SE
15/11/2013	22:55	0	---	16/11/2013	03:30	5	ESE
15/11/2013	23:00	0	---	16/11/2013	03:35	5	E
15/11/2013	23:05	0	---	16/11/2013	03:40	4	ESE
15/11/2013	23:10	0	---	16/11/2013	03:45	3	SE
15/11/2013	23:15	0	---	16/11/2013	03:50	2	S
15/11/2013	23:20	0	---	16/11/2013	03:55	2	S
15/11/2013	23:25	0	---	16/11/2013	04:00	0	SSE
15/11/2013	23:30	0	---	16/11/2013	04:05	2	S
15/11/2013	23:35	0	---	16/11/2013	04:10	2	SSE
15/11/2013	23:40	0	---	16/11/2013	04:15	2	SSE
15/11/2013	23:45	0	---	16/11/2013	04:20	0	SE
15/11/2013	23:50	0	---	16/11/2013	04:25	1	E
15/11/2013	23:55	0	---	16/11/2013	04:30	3	E
16/11/2013	00:00	0	---	16/11/2013	04:35	3	SSE
16/11/2013	00:05	0	---	16/11/2013	04:40	2	E
16/11/2013	00:10	0	---	16/11/2013	04:45	0	E
16/11/2013	00:15	0	---	16/11/2013	04:50	0	SSE
16/11/2013	00:20	0	---	16/11/2013	04:55	1	SSE
16/11/2013	00:25	0	---	16/11/2013	05:00	2	SSE
16/11/2013	00:30	0	---	16/11/2013	05:05	1	SE
16/11/2013	00:35	0	---	16/11/2013	05:10	1	SE
16/11/2013	00:40	0	---	16/11/2013	05:15	2	ESE
16/11/2013	00:45	0	---	16/11/2013	05:20	4	E
16/11/2013	00:50	0	---	16/11/2013	05:25	6	E
16/11/2013	00:55	0	---	16/11/2013	05:30	6	E
16/11/2013	01:00	0	---	16/11/2013	05:35	3	ESE
16/11/2013	01:05	0	---	16/11/2013	05:40	5	ESE
16/11/2013	01:10	0	---	16/11/2013	05:45	7	E
16/11/2013	01:15	0	---	16/11/2013	05:50	6	E
16/11/2013	01:20	0	---	16/11/2013	05:55	4	SE
16/11/2013	01:25	0	SSE	16/11/2013	06:00	0	ENE
16/11/2013	01:30	4	SE	16/11/2013	06:05	1	SE
16/11/2013	01:35	4	SSE	16/11/2013	06:10	0	ESE
16/11/2013	01:40	4	SSE	16/11/2013	06:15	0	ESE
16/11/2013	01:45	3	SSE	16/11/2013	06:20	0	ESE
16/11/2013	01:50	3	SSE	16/11/2013	06:25	1	W
16/11/2013	01:55	2	S	16/11/2013	06:30	0	---
16/11/2013	02:00	2	S	16/11/2013	06:35	0	---
16/11/2013	02:05	1	SSE	16/11/2013	06:40	1	WNW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
16/11/2013	06:45	1	SE	16/11/2013	11:20	5	NNE
16/11/2013	06:50	0	---	16/11/2013	11:25	4	N
16/11/2013	06:55	0	---	16/11/2013	11:30	4	NNE
16/11/2013	07:00	0	---	16/11/2013	11:35	4	NNW
16/11/2013	07:05	0	---	16/11/2013	11:40	2	N
16/11/2013	07:10	0	---	16/11/2013	11:45	5	N
16/11/2013	07:15	0	---	16/11/2013	11:50	4	N
16/11/2013	07:20	0	---	16/11/2013	11:55	5	NNW
16/11/2013	07:25	0	---	16/11/2013	12:00	6	N
16/11/2013	07:30	3	SE	16/11/2013	12:05	6	N
16/11/2013	07:35	2	SSE	16/11/2013	12:10	4	NNE
16/11/2013	07:40	2	SSE	16/11/2013	12:15	3	NNE
16/11/2013	07:45	1	SSE	16/11/2013	12:20	6	N
16/11/2013	07:50	0	SSE	16/11/2013	12:25	6	N
16/11/2013	07:55	0	---	16/11/2013	12:30	6	N
16/11/2013	08:00	0	SSE	16/11/2013	12:35	7	N
16/11/2013	08:05	0	---	16/11/2013	12:40	6	N
16/11/2013	08:10	0	---	16/11/2013	12:45	4	N
16/11/2013	08:15	0	---	16/11/2013	12:50	5	NNW
16/11/2013	08:20	0	SE	16/11/2013	12:55	5	NNE
16/11/2013	08:25	0	---	16/11/2013	13:00	5	N
16/11/2013	08:30	1	ESE	16/11/2013	13:05	6	N
16/11/2013	08:35	2	ESE	16/11/2013	13:10	6	N
16/11/2013	08:40	0	ESE	16/11/2013	13:15	6	N
16/11/2013	08:45	0	---	16/11/2013	13:20	5	N
16/11/2013	08:50	1	SE	16/11/2013	13:25	5	N
16/11/2013	08:55	3	E	16/11/2013	13:30	5	NNE
16/11/2013	09:00	2	ESE	16/11/2013	13:35	6	N
16/11/2013	09:05	2	ENE	16/11/2013	13:40	6	N
16/11/2013	09:10	3	E	16/11/2013	13:45	8	NNW
16/11/2013	09:15	3	E	16/11/2013	13:50	7	NNW
16/11/2013	09:20	1	E	16/11/2013	13:55	6	NNE
16/11/2013	09:25	0	---	16/11/2013	14:00	5	NNE
16/11/2013	09:30	0	E	16/11/2013	14:05	7	NNE
16/11/2013	09:35	2	ENE	16/11/2013	14:10	7	NNE
16/11/2013	09:40	1	ENE	16/11/2013	14:15	5	NNE
16/11/2013	09:45	1	E	16/11/2013	14:20	6	NNE
16/11/2013	09:50	1	SSE	16/11/2013	14:25	5	NNE
16/11/2013	09:55	1	E	16/11/2013	14:30	7	NNE
16/11/2013	10:00	0	---	16/11/2013	14:35	6	NNE
16/11/2013	10:05	0	E	16/11/2013	14:40	6	N
16/11/2013	10:10	1	E	16/11/2013	14:45	6	NNW
16/11/2013	10:15	1	NE	16/11/2013	14:50	5	NNE
16/11/2013	10:20	0	NNE	16/11/2013	14:55	6	N
16/11/2013	10:25	2	N	16/11/2013	15:00	5	NNE
16/11/2013	10:30	4	N	16/11/2013	15:05	6	N
16/11/2013	10:35	5	NNE	16/11/2013	15:10	6	NNE
16/11/2013	10:40	4	NNW	16/11/2013	15:15	6	NNW
16/11/2013	10:45	5	NNE	16/11/2013	15:20	5	N
16/11/2013	10:50	5	NNE	16/11/2013	15:25	7	NNW
16/11/2013	10:55	3	N	16/11/2013	15:30	7	N
16/11/2013	11:00	3	NE	16/11/2013	15:35	6	NNE
16/11/2013	11:05	4	NNE	16/11/2013	15:40	6	N
16/11/2013	11:10	6	N	16/11/2013	15:45	5	NNE
16/11/2013	11:15	4	N	16/11/2013	15:50	5	NNW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
16/11/2013	15:55	6	NNW	16/11/2013	20:30	3	W
16/11/2013	16:00	5	N	16/11/2013	20:35	0	WSW
16/11/2013	16:05	6	NNE	16/11/2013	20:40	0	---
16/11/2013	16:10	4	N	16/11/2013	20:45	0	---
16/11/2013	16:15	5	NNE	16/11/2013	20:50	0	---
16/11/2013	16:20	4	N	16/11/2013	20:55	0	SW
16/11/2013	16:25	3	NNE	16/11/2013	21:00	1	WSW
16/11/2013	16:30	6	NNE	16/11/2013	21:05	3	W
16/11/2013	16:35	5	N	16/11/2013	21:10	2	WSW
16/11/2013	16:40	4	N	16/11/2013	21:15	2	WSW
16/11/2013	16:45	5	NNE	16/11/2013	21:20	3	W
16/11/2013	16:50	5	N	16/11/2013	21:25	3	W
16/11/2013	16:55	5	NNE	16/11/2013	21:30	2	W
16/11/2013	17:00	6	NNE	16/11/2013	21:35	3	W
16/11/2013	17:05	4	N	16/11/2013	21:40	3	W
16/11/2013	17:10	5	NNE	16/11/2013	21:45	3	W
16/11/2013	17:15	4	N	16/11/2013	21:50	4	W
16/11/2013	17:20	4	NNE	16/11/2013	21:55	2	WNW
16/11/2013	17:25	3	NNE	16/11/2013	22:00	2	WNW
16/11/2013	17:30	2	NNW	16/11/2013	22:05	3	W
16/11/2013	17:35	1	WNW	16/11/2013	22:10	3	W
16/11/2013	17:40	1	WNW	16/11/2013	22:15	2	W
16/11/2013	17:45	2	W	16/11/2013	22:20	3	W
16/11/2013	17:50	3	WNW	16/11/2013	22:25	3	WNW
16/11/2013	17:55	3	WNW	16/11/2013	22:30	2	WNW
16/11/2013	18:00	3	W	16/11/2013	22:35	2	W
16/11/2013	18:05	3	W	16/11/2013	22:40	1	W
16/11/2013	18:10	3	WNW	16/11/2013	22:45	2	WSW
16/11/2013	18:15	3	WNW	16/11/2013	22:50	0	---
16/11/2013	18:20	2	W	16/11/2013	22:55	0	---
16/11/2013	18:25	0	W	16/11/2013	23:00	0	---
16/11/2013	18:30	0	---	16/11/2013	23:05	0	---
16/11/2013	18:35	0	---	16/11/2013	23:10	0	---
16/11/2013	18:40	2	W	16/11/2013	23:15	0	---
16/11/2013	18:45	1	WNW	16/11/2013	23:20	1	W
16/11/2013	18:50	0	W	16/11/2013	23:25	2	W
16/11/2013	18:55	0	---	16/11/2013	23:30	0	WNW
16/11/2013	19:00	0	---	16/11/2013	23:35	1	WSW
16/11/2013	19:05	0	---	16/11/2013	23:40	0	WSW
16/11/2013	19:10	0	---	16/11/2013	23:45	0	---
16/11/2013	19:15	0	---	16/11/2013	23:50	0	---
16/11/2013	19:20	0	---	16/11/2013	23:55	0	---
16/11/2013	19:25	0	---	17/11/2013	00:00	0	---
16/11/2013	19:30	0	---	17/11/2013	00:05	0	---
16/11/2013	19:35	0	---	17/11/2013	00:10	0	---
16/11/2013	19:40	2	WSW	17/11/2013	00:15	0	---
16/11/2013	19:45	1	SW	17/11/2013	00:20	0	---
16/11/2013	19:50	1	WNW	17/11/2013	00:25	0	---
16/11/2013	19:55	0	WNW	17/11/2013	00:30	0	WSW
16/11/2013	20:00	2	WNW	17/11/2013	00:35	1	W
16/11/2013	20:05	0	WNW	17/11/2013	00:40	2	W
16/11/2013	20:10	0	---	17/11/2013	00:45	0	WNW
16/11/2013	20:15	0	---	17/11/2013	00:50	0	---
16/11/2013	20:20	0	---	17/11/2013	00:55	0	---
16/11/2013	20:25	1	W	17/11/2013	01:00	1	ESE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
17/11/2013	01:05	0	ESE	17/11/2013	05:40	5	W
17/11/2013	01:10	0	---	17/11/2013	05:45	4	WNW
17/11/2013	01:15	0	---	17/11/2013	05:50	3	WNW
17/11/2013	01:20	0	W	17/11/2013	05:55	1	W
17/11/2013	01:25	3	WNW	17/11/2013	06:00	1	S
17/11/2013	01:30	3	WNW	17/11/2013	06:05	1	S
17/11/2013	01:35	4	W	17/11/2013	06:10	0	---
17/11/2013	01:40	3	W	17/11/2013	06:15	0	---
17/11/2013	01:45	3	WNW	17/11/2013	06:20	0	---
17/11/2013	01:50	3	W	17/11/2013	06:25	0	---
17/11/2013	01:55	0	NNW	17/11/2013	06:30	0	---
17/11/2013	02:00	3	NW	17/11/2013	06:35	1	W
17/11/2013	02:05	2	W	17/11/2013	06:40	0	WNW
17/11/2013	02:10	3	W	17/11/2013	06:45	1	W
17/11/2013	02:15	2	W	17/11/2013	06:50	1	WSW
17/11/2013	02:20	2	SSE	17/11/2013	06:55	2	WNW
17/11/2013	02:25	1	SSE	17/11/2013	07:00	3	W
17/11/2013	02:30	2	ENE	17/11/2013	07:05	2	W
17/11/2013	02:35	0	E	17/11/2013	07:10	2	W
17/11/2013	02:40	2	ENE	17/11/2013	07:15	1	SSW
17/11/2013	02:45	1	WSW	17/11/2013	07:20	2	W
17/11/2013	02:50	2	WSW	17/11/2013	07:25	1	W
17/11/2013	02:55	2	SSW	17/11/2013	07:30	0	---
17/11/2013	03:00	4	WNW	17/11/2013	07:35	0	---
17/11/2013	03:05	3	WNW	17/11/2013	07:40	0	---
17/11/2013	03:10	0	WSW	17/11/2013	07:45	0	---
17/11/2013	03:15	0	W	17/11/2013	07:50	0	---
17/11/2013	03:20	2	W	17/11/2013	07:55	0	WSW
17/11/2013	03:25	1	S	17/11/2013	08:00	0	NNW
17/11/2013	03:30	2	WNW	17/11/2013	08:05	0	---
17/11/2013	03:35	3	W	17/11/2013	08:10	0	---
17/11/2013	03:40	1	W	17/11/2013	08:15	0	---
17/11/2013	03:45	2	W	17/11/2013	08:20	0	---
17/11/2013	03:50	1	W	17/11/2013	08:25	0	---
17/11/2013	03:55	1	W	17/11/2013	08:30	0	---
17/11/2013	04:00	0	---	17/11/2013	08:35	0	---
17/11/2013	04:05	0	---	17/11/2013	08:40	0	---
17/11/2013	04:10	0	---	17/11/2013	08:45	0	---
17/11/2013	04:15	0	---	17/11/2013	08:50	0	---
17/11/2013	04:20	0	---	17/11/2013	08:55	0	---
17/11/2013	04:25	0	---	17/11/2013	09:00	0	---
17/11/2013	04:30	0	---	17/11/2013	09:05	0	---
17/11/2013	04:35	0	---	17/11/2013	09:10	0	---
17/11/2013	04:40	0	WSW	17/11/2013	09:15	0	---
17/11/2013	04:45	1	SW	17/11/2013	09:20	0	---
17/11/2013	04:50	0	SW	17/11/2013	09:25	0	---
17/11/2013	04:55	0	---	17/11/2013	09:30	0	---
17/11/2013	05:00	0	---	17/11/2013	09:35	0	---
17/11/2013	05:05	0	---	17/11/2013	09:40	0	---
17/11/2013	05:10	0	---	17/11/2013	09:45	0	---
17/11/2013	05:15	0	---	17/11/2013	09:50	0	---
17/11/2013	05:20	1	WNW	17/11/2013	09:55	1	E
17/11/2013	05:25	3	W	17/11/2013	10:00	2	E
17/11/2013	05:30	4	W	17/11/2013	10:05	1	SSE
17/11/2013	05:35	3	WNW	17/11/2013	10:10	1	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
17/11/2013	10:15	1	SE	17/11/2013	14:50	3	ENE
17/11/2013	10:20	1	E	17/11/2013	14:55	4	NNE
17/11/2013	10:25	0	---	17/11/2013	15:00	3	NE
17/11/2013	10:30	0	---	17/11/2013	15:05	2	NE
17/11/2013	10:35	0	NE	17/11/2013	15:10	3	NNE
17/11/2013	10:40	1	E	17/11/2013	15:15	3	NNE
17/11/2013	10:45	1	ENE	17/11/2013	15:20	3	NNE
17/11/2013	10:50	1	ESE	17/11/2013	15:25	4	NNE
17/11/2013	10:55	2	ENE	17/11/2013	15:30	3	NE
17/11/2013	11:00	2	E	17/11/2013	15:35	1	ENE
17/11/2013	11:05	2	E	17/11/2013	15:40	3	NNE
17/11/2013	11:10	2	ENE	17/11/2013	15:45	4	NNE
17/11/2013	11:15	2	E	17/11/2013	15:50	6	NNE
17/11/2013	11:20	2	E	17/11/2013	15:55	5	NNE
17/11/2013	11:25	3	E	17/11/2013	16:00	5	N
17/11/2013	11:30	2	E	17/11/2013	16:05	4	NNE
17/11/2013	11:35	2	SSE	17/11/2013	16:10	4	N
17/11/2013	11:40	2	SE	17/11/2013	16:15	3	N
17/11/2013	11:45	2	ESE	17/11/2013	16:20	3	NNW
17/11/2013	11:50	3	E	17/11/2013	16:25	4	N
17/11/2013	11:55	2	E	17/11/2013	16:30	4	N
17/11/2013	12:00	2	E	17/11/2013	16:35	4	NE
17/11/2013	12:05	1	ESE	17/11/2013	16:40	4	NE
17/11/2013	12:10	1	ENE	17/11/2013	16:45	4	N
17/11/2013	12:15	0	---	17/11/2013	16:50	3	NNW
17/11/2013	12:20	0	ENE	17/11/2013	16:55	3	WNW
17/11/2013	12:25	1	ENE	17/11/2013	17:00	3	WNW
17/11/2013	12:30	2	E	17/11/2013	17:05	0	SSE
17/11/2013	12:35	2	E	17/11/2013	17:10	2	SSE
17/11/2013	12:40	2	E	17/11/2013	17:15	1	SSE
17/11/2013	12:45	3	E	17/11/2013	17:20	0	SSW
17/11/2013	12:50	3	E	17/11/2013	17:25	2	S
17/11/2013	12:55	4	E	17/11/2013	17:30	0	S
17/11/2013	13:00	4	E	17/11/2013	17:35	1	SSE
17/11/2013	13:05	5	E	17/11/2013	17:40	0	NNE
17/11/2013	13:10	4	E	17/11/2013	17:45	0	---
17/11/2013	13:15	4	E	17/11/2013	17:50	1	S
17/11/2013	13:20	4	E	17/11/2013	17:55	0	---
17/11/2013	13:25	4	E	17/11/2013	18:00	0	---
17/11/2013	13:30	4	E	17/11/2013	18:05	0	---
17/11/2013	13:35	2	E	17/11/2013	18:10	0	---
17/11/2013	13:40	2	ENE	17/11/2013	18:15	0	---
17/11/2013	13:45	3	ENE	17/11/2013	18:20	1	S
17/11/2013	13:50	2	E	17/11/2013	18:25	2	S
17/11/2013	13:55	2	E	17/11/2013	18:30	1	SSW
17/11/2013	14:00	3	E	17/11/2013	18:35	0	W
17/11/2013	14:05	3	ENE	17/11/2013	18:40	0	SE
17/11/2013	14:10	2	ENE	17/11/2013	18:45	2	SSE
17/11/2013	14:15	0	---	17/11/2013	18:50	1	S
17/11/2013	14:20	0	---	17/11/2013	18:55	0	---
17/11/2013	14:25	1	NE	17/11/2013	19:00	0	---
17/11/2013	14:30	5	ENE	17/11/2013	19:05	0	---
17/11/2013	14:35	6	ENE	17/11/2013	19:10	0	---
17/11/2013	14:40	4	ENE	17/11/2013	19:15	0	---
17/11/2013	14:45	4	NE	17/11/2013	19:20	2	NW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
17/11/2013	19:25	1	SE	18/11/2013	00:00	0	SSE
17/11/2013	19:30	1	SE	18/11/2013	00:05	0	---
17/11/2013	19:35	3	SSE	18/11/2013	00:10	0	---
17/11/2013	19:40	3	SE	18/11/2013	00:15	1	SSW
17/11/2013	19:45	4	SE	18/11/2013	00:20	1	SSW
17/11/2013	19:50	4	SE	18/11/2013	00:25	0	S
17/11/2013	19:55	3	SSE	18/11/2013	00:30	1	E
17/11/2013	20:00	2	S	18/11/2013	00:35	0	---
17/11/2013	20:05	3	SSE	18/11/2013	00:40	0	---
17/11/2013	20:10	2	SSE	18/11/2013	00:45	2	S
17/11/2013	20:15	1	S	18/11/2013	00:50	2	S
17/11/2013	20:20	2	S	18/11/2013	00:55	2	S
17/11/2013	20:25	3	S	18/11/2013	01:00	2	SSW
17/11/2013	20:30	2	SSE	18/11/2013	01:05	1	SSW
17/11/2013	20:35	1	SSE	18/11/2013	01:10	2	S
17/11/2013	20:40	2	S	18/11/2013	01:15	2	S
17/11/2013	20:45	2	SSE	18/11/2013	01:20	2	SSW
17/11/2013	20:50	3	SSE	18/11/2013	01:25	2	SSE
17/11/2013	20:55	2	SSE	18/11/2013	01:30	2	SE
17/11/2013	21:00	1	SE	18/11/2013	01:35	2	SE
17/11/2013	21:05	1	SSE	18/11/2013	01:40	1	SSE
17/11/2013	21:10	1	SSE	18/11/2013	01:45	0	SSE
17/11/2013	21:15	2	S	18/11/2013	01:50	0	---
17/11/2013	21:20	2	S	18/11/2013	01:55	0	---
17/11/2013	21:25	2	S	18/11/2013	02:00	0	---
17/11/2013	21:30	2	SSW	18/11/2013	02:05	0	S
17/11/2013	21:35	3	S	18/11/2013	02:10	1	S
17/11/2013	21:40	1	S	18/11/2013	02:15	0	---
17/11/2013	21:45	0	---	18/11/2013	02:20	0	---
17/11/2013	21:50	0	---	18/11/2013	02:25	0	---
17/11/2013	21:55	0	---	18/11/2013	02:30	0	---
17/11/2013	22:00	0	---	18/11/2013	02:35	0	---
17/11/2013	22:05	1	WNW	18/11/2013	02:40	0	W
17/11/2013	22:10	2	WNW	18/11/2013	02:45	0	W
17/11/2013	22:15	2	WNW	18/11/2013	02:50	0	---
17/11/2013	22:20	2	W	18/11/2013	02:55	0	---
17/11/2013	22:25	1	W	18/11/2013	03:00	0	---
17/11/2013	22:30	0	W	18/11/2013	03:05	0	---
17/11/2013	22:35	0	---	18/11/2013	03:10	0	---
17/11/2013	22:40	0	---	18/11/2013	03:15	0	---
17/11/2013	22:45	0	---	18/11/2013	03:20	0	SSW
17/11/2013	22:50	0	---	18/11/2013	03:25	0	---
17/11/2013	22:55	0	---	18/11/2013	03:30	0	---
17/11/2013	23:00	0	---	18/11/2013	03:35	0	SSE
17/11/2013	23:05	0	---	18/11/2013	03:40	1	S
17/11/2013	23:10	0	---	18/11/2013	03:45	0	S
17/11/2013	23:15	0	---	18/11/2013	03:50	1	SSW
17/11/2013	23:20	0	SW	18/11/2013	03:55	1	SSW
17/11/2013	23:25	0	SW	18/11/2013	04:00	1	S
17/11/2013	23:30	0	---	18/11/2013	04:05	0	W
17/11/2013	23:35	1	SW	18/11/2013	04:10	1	W
17/11/2013	23:40	1	E	18/11/2013	04:15	1	SSE
17/11/2013	23:45	1	WSW	18/11/2013	04:20	2	S
17/11/2013	23:50	0	SSE	18/11/2013	04:25	2	S
17/11/2013	23:55	0	---	18/11/2013	04:30	2	S

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
18/11/2013	04:35	2	S	18/11/2013	09:10	3	SE
18/11/2013	04:40	1	S	18/11/2013	09:15	3	ESE
18/11/2013	04:45	0	---	18/11/2013	09:20	2	SE
18/11/2013	04:50	1	SSW	18/11/2013	09:25	3	SSE
18/11/2013	04:55	2	S	18/11/2013	09:30	3	SSE
18/11/2013	05:00	2	S	18/11/2013	09:35	2	SSE
18/11/2013	05:05	3	S	18/11/2013	09:40	3	SE
18/11/2013	05:10	3	S	18/11/2013	09:45	3	SE
18/11/2013	05:15	3	S	18/11/2013	09:50	2	SE
18/11/2013	05:20	3	S	18/11/2013	09:55	2	ESE
18/11/2013	05:25	2	S	18/11/2013	10:00	3	ESE
18/11/2013	05:30	2	S	18/11/2013	10:05	3	E
18/11/2013	05:35	2	S	18/11/2013	10:10	3	ENE
18/11/2013	05:40	3	S	18/11/2013	10:15	3	ENE
18/11/2013	05:45	3	SSE	18/11/2013	10:20	2	ENE
18/11/2013	05:50	3	S	18/11/2013	10:25	3	ENE
18/11/2013	05:55	3	S	18/11/2013	10:30	2	ENE
18/11/2013	06:00	2	S	18/11/2013	10:35	3	ENE
18/11/2013	06:05	2	S	18/11/2013	10:40	1	ENE
18/11/2013	06:10	3	S	18/11/2013	10:45	1	E
18/11/2013	06:15	3	S	18/11/2013	10:50	3	ENE
18/11/2013	06:20	3	S	18/11/2013	10:55	3	ENE
18/11/2013	06:25	3	S	18/11/2013	11:00	3	E
18/11/2013	06:30	2	SSE	18/11/2013	11:05	4	E
18/11/2013	06:35	0	SSE	18/11/2013	11:10	4	E
18/11/2013	06:40	2	S	18/11/2013	11:15	3	E
18/11/2013	06:45	1	SSE	18/11/2013	11:20	3	ENE
18/11/2013	06:50	0	S	18/11/2013	11:25	4	E
18/11/2013	06:55	0	---	18/11/2013	11:30	3	E
18/11/2013	07:00	0	WSW	18/11/2013	11:35	3	ENE
18/11/2013	07:05	1	W	18/11/2013	11:40	4	E
18/11/2013	07:10	0	---	18/11/2013	11:45	3	ENE
18/11/2013	07:15	0	W	18/11/2013	11:50	2	E
18/11/2013	07:20	0	---	18/11/2013	11:55	3	ENE
18/11/2013	07:25	1	W	18/11/2013	12:00	4	ENE
18/11/2013	07:30	1	W	18/11/2013	12:05	3	ENE
18/11/2013	07:35	0	---	18/11/2013	12:10	3	ENE
18/11/2013	07:40	0	---	18/11/2013	12:15	2	E
18/11/2013	07:45	0	---	18/11/2013	12:20	5	SSE
18/11/2013	07:50	0	---	18/11/2013	12:25	5	SSE
18/11/2013	07:55	0	---	18/11/2013	12:30	4	SE
18/11/2013	08:00	0	---	18/11/2013	12:35	4	SSE
18/11/2013	08:05	0	---	18/11/2013	12:40	4	S
18/11/2013	08:10	0	---	18/11/2013	12:45	5	SE
18/11/2013	08:15	0	---	18/11/2013	12:50	4	S
18/11/2013	08:20	0	---	18/11/2013	12:55	3	SW
18/11/2013	08:25	0	---	18/11/2013	13:00	3	S
18/11/2013	08:30	0	SW	18/11/2013	13:05	4	SW
18/11/2013	08:35	0	---	18/11/2013	13:10	5	SSW
18/11/2013	08:40	0	---	18/11/2013	13:15	4	ESE
18/11/2013	08:45	0	---	18/11/2013	13:20	5	SSE
18/11/2013	08:50	0	---	18/11/2013	13:25	3	SSE
18/11/2013	08:55	1	S	18/11/2013	13:30	5	SSE
18/11/2013	09:00	1	SSE	18/11/2013	13:35	2	S
18/11/2013	09:05	1	SE	18/11/2013	13:40	2	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
18/11/2013	13:45	5	E	18/11/2013	18:20	0	---
18/11/2013	13:50	3	SSE	18/11/2013	18:25	0	---
18/11/2013	13:55	2	WSW	18/11/2013	18:30	0	---
18/11/2013	14:00	6	SSE	18/11/2013	18:35	0	---
18/11/2013	14:05	3	SSE	18/11/2013	18:40	0	---
18/11/2013	14:10	2	W	18/11/2013	18:45	1	ESE
18/11/2013	14:15	3	S	18/11/2013	18:50	2	SE
18/11/2013	14:20	2	SSW	18/11/2013	18:55	2	ENE
18/11/2013	14:25	3	SSE	18/11/2013	19:00	1	WNW
18/11/2013	14:30	4	SSE	18/11/2013	19:05	2	WNW
18/11/2013	14:35	3	S	18/11/2013	19:10	1	W
18/11/2013	14:40	3	NW	18/11/2013	19:15	1	WNW
18/11/2013	14:45	2	SSE	18/11/2013	19:20	2	WNW
18/11/2013	14:50	3	ESE	18/11/2013	19:25	1	WNW
18/11/2013	14:55	3	E	18/11/2013	19:30	2	NE
18/11/2013	15:00	3	N	18/11/2013	19:35	0	WNW
18/11/2013	15:05	3	N	18/11/2013	19:40	2	NNW
18/11/2013	15:10	6	NNW	18/11/2013	19:45	2	NW
18/11/2013	15:15	5	N	18/11/2013	19:50	1	NNW
18/11/2013	15:20	5	NNE	18/11/2013	19:55	1	NW
18/11/2013	15:25	4	N	18/11/2013	20:00	0	NW
18/11/2013	15:30	4	N	18/11/2013	20:05	0	---
18/11/2013	15:35	5	NNW	18/11/2013	20:10	1	WNW
18/11/2013	15:40	5	NNW	18/11/2013	20:15	1	SE
18/11/2013	15:45	4	WNW	18/11/2013	20:20	0	NNW
18/11/2013	15:50	3	WNW	18/11/2013	20:25	1	NW
18/11/2013	15:55	4	NW	18/11/2013	20:30	0	N
18/11/2013	16:00	6	N	18/11/2013	20:35	2	NNW
18/11/2013	16:05	5	N	18/11/2013	20:40	2	NNW
18/11/2013	16:10	5	N	18/11/2013	20:45	1	WNW
18/11/2013	16:15	3	N	18/11/2013	20:50	1	NW
18/11/2013	16:20	4	NNW	18/11/2013	20:55	0	NNE
18/11/2013	16:25	5	NNW	18/11/2013	21:00	0	NNE
18/11/2013	16:30	3	NW	18/11/2013	21:05	2	N
18/11/2013	16:35	3	WNW	18/11/2013	21:10	3	NNW
18/11/2013	16:40	2	WNW	18/11/2013	21:15	2	NNW
18/11/2013	16:45	2	NNW	18/11/2013	21:20	2	NW
18/11/2013	16:50	3	NW	18/11/2013	21:25	2	WNW
18/11/2013	16:55	2	NW	18/11/2013	21:30	1	NW
18/11/2013	17:00	3	NW	18/11/2013	21:35	1	NNW
18/11/2013	17:05	3	NW	18/11/2013	21:40	1	NNW
18/11/2013	17:10	2	WNW	18/11/2013	21:45	1	NNW
18/11/2013	17:15	2	WNW	18/11/2013	21:50	2	WNW
18/11/2013	17:20	1	WNW	18/11/2013	21:55	0	---
18/11/2013	17:25	0	NW	18/11/2013	22:00	0	W
18/11/2013	17:30	0	---	18/11/2013	22:05	0	---
18/11/2013	17:35	0	---	18/11/2013	22:10	0	---
18/11/2013	17:40	2	NW	18/11/2013	22:15	2	NNW
18/11/2013	17:45	1	NW	18/11/2013	22:20	3	NW
18/11/2013	17:50	0	W	18/11/2013	22:25	2	WNW
18/11/2013	17:55	2	W	18/11/2013	22:30	0	WNW
18/11/2013	18:00	1	WNW	18/11/2013	22:35	0	---
18/11/2013	18:05	1	WNW	18/11/2013	22:40	0	---
18/11/2013	18:10	0	W	18/11/2013	22:45	0	---
18/11/2013	18:15	0	W	18/11/2013	22:50	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
18/11/2013	22:55	0	---	19/11/2013	03:30	0	---
18/11/2013	23:00	1	NW	19/11/2013	03:35	0	---
18/11/2013	23:05	2	NW	19/11/2013	03:40	0	---
18/11/2013	23:10	3	NW	19/11/2013	03:45	0	---
18/11/2013	23:15	2	NW	19/11/2013	03:50	0	---
18/11/2013	23:20	1	WNW	19/11/2013	03:55	0	---
18/11/2013	23:25	0	---	19/11/2013	04:00	0	---
18/11/2013	23:30	0	WNW	19/11/2013	04:05	0	---
18/11/2013	23:35	0	WNW	19/11/2013	04:10	0	---
18/11/2013	23:40	0	---	19/11/2013	04:15	1	SE
18/11/2013	23:45	0	---	19/11/2013	04:20	0	---
18/11/2013	23:50	0	---	19/11/2013	04:25	0	---
18/11/2013	23:55	0	---	19/11/2013	04:30	0	---
19/11/2013	00:00	0	---	19/11/2013	04:35	0	---
19/11/2013	00:05	2	NNW	19/11/2013	04:40	0	---
19/11/2013	00:10	1	W	19/11/2013	04:45	0	---
19/11/2013	00:15	0	WSW	19/11/2013	04:50	0	---
19/11/2013	00:20	2	W	19/11/2013	04:55	0	---
19/11/2013	00:25	0	SSE	19/11/2013	05:00	0	---
19/11/2013	00:30	0	---	19/11/2013	05:05	0	---
19/11/2013	00:35	0	---	19/11/2013	05:10	0	---
19/11/2013	00:40	0	---	19/11/2013	05:15	0	---
19/11/2013	00:45	0	---	19/11/2013	05:20	0	---
19/11/2013	00:50	0	---	19/11/2013	05:25	0	---
19/11/2013	00:55	0	---	19/11/2013	05:30	0	---
19/11/2013	01:00	0	---	19/11/2013	05:35	0	---
19/11/2013	01:05	0	---	19/11/2013	05:40	0	---
19/11/2013	01:10	0	---	19/11/2013	05:45	0	---
19/11/2013	01:15	0	---	19/11/2013	05:50	0	---
19/11/2013	01:20	0	---	19/11/2013	05:55	0	---
19/11/2013	01:25	0	---	19/11/2013	06:00	0	---
19/11/2013	01:30	0	---	19/11/2013	06:05	0	---
19/11/2013	01:35	0	---	19/11/2013	06:10	0	---
19/11/2013	01:40	0	---	19/11/2013	06:15	0	---
19/11/2013	01:45	0	---	19/11/2013	06:20	0	---
19/11/2013	01:50	0	---	19/11/2013	06:25	0	---
19/11/2013	01:55	0	---	19/11/2013	06:30	0	---
19/11/2013	02:00	0	---	19/11/2013	06:35	0	---
19/11/2013	02:05	0	---	19/11/2013	06:40	0	---
19/11/2013	02:10	0	---	19/11/2013	06:45	0	ESE
19/11/2013	02:15	0	---	19/11/2013	06:50	1	SE
19/11/2013	02:20	0	---	19/11/2013	06:55	0	---
19/11/2013	02:25	0	---	19/11/2013	07:00	0	SSE
19/11/2013	02:30	0	---	19/11/2013	07:05	1	SE
19/11/2013	02:35	0	---	19/11/2013	07:10	3	ESE
19/11/2013	02:40	0	---	19/11/2013	07:15	3	ESE
19/11/2013	02:45	0	---	19/11/2013	07:20	2	ESE
19/11/2013	02:50	0	SW	19/11/2013	07:25	2	ESE
19/11/2013	02:55	0	---	19/11/2013	07:30	3	SE
19/11/2013	03:00	0	---	19/11/2013	07:35	1	SE
19/11/2013	03:05	0	---	19/11/2013	07:40	0	---
19/11/2013	03:10	0	---	19/11/2013	07:45	0	---
19/11/2013	03:15	0	---	19/11/2013	07:50	0	---
19/11/2013	03:20	0	---	19/11/2013	07:55	0	---
19/11/2013	03:25	0	---	19/11/2013	08:00	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
19/11/2013	08:05	0	---	19/11/2013	12:40	4	SSE
19/11/2013	08:10	0	---	19/11/2013	12:45	6	SSE
19/11/2013	08:15	0	---	19/11/2013	12:50	4	SSE
19/11/2013	08:20	0	---	19/11/2013	12:55	5	SSE
19/11/2013	08:25	1	ESE	19/11/2013	13:00	4	SSW
19/11/2013	08:30	1	SE	19/11/2013	13:05	2	SSE
19/11/2013	08:35	1	S	19/11/2013	13:10	4	SSE
19/11/2013	08:40	1	SE	19/11/2013	13:15	3	SSE
19/11/2013	08:45	0	ESE	19/11/2013	13:20	3	SSE
19/11/2013	08:50	2	ESE	19/11/2013	13:25	5	SSE
19/11/2013	08:55	3	ESE	19/11/2013	13:30	5	SSE
19/11/2013	09:00	2	SE	19/11/2013	13:35	3	SSE
19/11/2013	09:05	3	ESE	19/11/2013	13:40	4	SSE
19/11/2013	09:10	2	ESE	19/11/2013	13:45	4	SSE
19/11/2013	09:15	0	ESE	19/11/2013	13:50	3	SSE
19/11/2013	09:20	1	SE	19/11/2013	13:55	4	SSE
19/11/2013	09:25	3	SE	19/11/2013	14:00	4	SSE
19/11/2013	09:30	3	SE	19/11/2013	14:05	3	SSE
19/11/2013	09:35	1	ESE	19/11/2013	14:10	4	SSE
19/11/2013	09:40	3	ESE	19/11/2013	14:15	5	SSE
19/11/2013	09:45	3	SE	19/11/2013	14:20	3	SSE
19/11/2013	09:50	2	ESE	19/11/2013	14:25	3	SSE
19/11/2013	09:55	2	ESE	19/11/2013	14:30	4	SE
19/11/2013	10:00	3	ESE	19/11/2013	14:35	2	S
19/11/2013	10:05	3	ESE	19/11/2013	14:40	5	SSE
19/11/2013	10:10	4	ESE	19/11/2013	14:45	2	SSE
19/11/2013	10:15	2	ESE	19/11/2013	14:50	3	SSW
19/11/2013	10:20	3	ESE	19/11/2013	14:55	4	SSE
19/11/2013	10:25	3	SE	19/11/2013	15:00	4	SSE
19/11/2013	10:30	2	E	19/11/2013	15:05	4	SSE
19/11/2013	10:35	3	E	19/11/2013	15:10	3	SSE
19/11/2013	10:40	4	SE	19/11/2013	15:15	2	SSE
19/11/2013	10:45	4	SE	19/11/2013	15:20	4	SSE
19/11/2013	10:50	4	SE	19/11/2013	15:25	2	SSE
19/11/2013	10:55	4	SE	19/11/2013	15:30	2	SSE
19/11/2013	11:00	3	SSE	19/11/2013	15:35	3	SSE
19/11/2013	11:05	2	ESE	19/11/2013	15:40	4	SSE
19/11/2013	11:10	4	SE	19/11/2013	15:45	2	SSE
19/11/2013	11:15	5	SE	19/11/2013	15:50	4	SSE
19/11/2013	11:20	3	SSE	19/11/2013	15:55	4	SSE
19/11/2013	11:25	4	SSE	19/11/2013	16:00	4	SSE
19/11/2013	11:30	3	SSE	19/11/2013	16:05	3	ESE
19/11/2013	11:35	2	SSW	19/11/2013	16:10	2	SSE
19/11/2013	11:40	2	ESE	19/11/2013	16:15	4	SSE
19/11/2013	11:45	4	SSE	19/11/2013	16:20	3	SSE
19/11/2013	11:50	2	S	19/11/2013	16:25	3	SSE
19/11/2013	11:55	2	S	19/11/2013	16:30	3	SSE
19/11/2013	12:00	3	SSE	19/11/2013	16:35	3	SSE
19/11/2013	12:05	4	S	19/11/2013	16:40	2	SSE
19/11/2013	12:10	3	SSE	19/11/2013	16:45	2	SSE
19/11/2013	12:15	4	SSE	19/11/2013	16:50	3	SSE
19/11/2013	12:20	3	SSE	19/11/2013	16:55	2	SSE
19/11/2013	12:25	4	SSE	19/11/2013	17:00	3	SSE
19/11/2013	12:30	3	SSE	19/11/2013	17:05	4	SSE
19/11/2013	12:35	4	S	19/11/2013	17:10	3	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
19/11/2013	17:15	4	SSE	19/11/2013	21:50	5	SE
19/11/2013	17:20	3	SSE	19/11/2013	21:55	4	SSE
19/11/2013	17:25	4	SSE	19/11/2013	22:00	2	SE
19/11/2013	17:30	4	SE	19/11/2013	22:05	2	SE
19/11/2013	17:35	4	SSE	19/11/2013	22:10	3	SSE
19/11/2013	17:40	3	SSE	19/11/2013	22:15	2	S
19/11/2013	17:45	2	SE	19/11/2013	22:20	1	S
19/11/2013	17:50	2	SSE	19/11/2013	22:25	0	SE
19/11/2013	17:55	3	SSE	19/11/2013	22:30	2	SE
19/11/2013	18:00	3	SE	19/11/2013	22:35	2	SE
19/11/2013	18:05	4	SSE	19/11/2013	22:40	2	SE
19/11/2013	18:10	3	SSE	19/11/2013	22:45	1	ESE
19/11/2013	18:15	1	S	19/11/2013	22:50	3	SE
19/11/2013	18:20	1	S	19/11/2013	22:55	2	ESE
19/11/2013	18:25	2	SSE	19/11/2013	23:00	2	SSE
19/11/2013	18:30	3	SSE	19/11/2013	23:05	2	SE
19/11/2013	18:35	2	SSE	19/11/2013	23:10	3	S
19/11/2013	18:40	2	SSE	19/11/2013	23:15	2	S
19/11/2013	18:45	2	S	19/11/2013	23:20	1	S
19/11/2013	18:50	3	SE	19/11/2013	23:25	3	ESE
19/11/2013	18:55	3	SSE	19/11/2013	23:30	2	SSE
19/11/2013	19:00	3	SSE	19/11/2013	23:35	3	SE
19/11/2013	19:05	2	SSE	19/11/2013	23:40	2	SE
19/11/2013	19:10	2	SE	19/11/2013	23:45	3	SSE
19/11/2013	19:15	2	SSE	19/11/2013	23:50	2	SE
19/11/2013	19:20	2	SSE	19/11/2013	23:55	2	SE
19/11/2013	19:25	3	SSE	20/11/2013	00:00	4	SE
19/11/2013	19:30	1	SSE	20/11/2013	00:05	3	SSE
19/11/2013	19:35	3	SE	20/11/2013	00:10	4	SE
19/11/2013	19:40	2	SSE	20/11/2013	00:15	2	ESE
19/11/2013	19:45	1	SE	20/11/2013	00:20	4	SSE
19/11/2013	19:50	3	SE	20/11/2013	00:25	4	SSE
19/11/2013	19:55	3	SE	20/11/2013	00:30	4	SSE
19/11/2013	20:00	1	S	20/11/2013	00:35	3	SE
19/11/2013	20:05	3	SE	20/11/2013	00:40	2	SSE
19/11/2013	20:10	1	SSE	20/11/2013	00:45	3	SSE
19/11/2013	20:15	2	SSE	20/11/2013	00:50	5	SSE
19/11/2013	20:20	1	SE	20/11/2013	00:55	6	SSE
19/11/2013	20:25	2	SSE	20/11/2013	01:00	6	SSE
19/11/2013	20:30	1	SSE	20/11/2013	01:05	5	SSE
19/11/2013	20:35	1	SE	20/11/2013	01:10	4	SSE
19/11/2013	20:40	2	SE	20/11/2013	01:15	5	SE
19/11/2013	20:45	3	SSE	20/11/2013	01:20	5	SSE
19/11/2013	20:50	0	S	20/11/2013	01:25	3	SSE
19/11/2013	20:55	1	SSE	20/11/2013	01:30	4	SSE
19/11/2013	21:00	2	SSE	20/11/2013	01:35	4	SSE
19/11/2013	21:05	2	SE	20/11/2013	01:40	4	SSE
19/11/2013	21:10	2	SE	20/11/2013	01:45	6	SE
19/11/2013	21:15	0	---	20/11/2013	01:50	5	SSE
19/11/2013	21:20	1	E	20/11/2013	01:55	4	SSE
19/11/2013	21:25	2	SSE	20/11/2013	02:00	4	SE
19/11/2013	21:30	3	SE	20/11/2013	02:05	3	SSE
19/11/2013	21:35	2	SE	20/11/2013	02:10	5	SSE
19/11/2013	21:40	3	SSE	20/11/2013	02:15	4	SSE
19/11/2013	21:45	4	SE	20/11/2013	02:20	4	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
20/11/2013	02:25	4	SSE	20/11/2013	07:00	2	SE
20/11/2013	02:30	3	SE	20/11/2013	07:05	4	SSE
20/11/2013	02:35	4	SE	20/11/2013	07:10	4	SSE
20/11/2013	02:40	3	SE	20/11/2013	07:15	5	SSE
20/11/2013	02:45	4	SE	20/11/2013	07:20	4	SSE
20/11/2013	02:50	3	SE	20/11/2013	07:25	4	SE
20/11/2013	02:55	4	SE	20/11/2013	07:30	4	SSE
20/11/2013	03:00	3	SSE	20/11/2013	07:35	3	SSE
20/11/2013	03:05	2	S	20/11/2013	07:40	4	SSE
20/11/2013	03:10	2	SE	20/11/2013	07:45	4	SSE
20/11/2013	03:15	3	SSE	20/11/2013	07:50	3	SE
20/11/2013	03:20	4	SSE	20/11/2013	07:55	4	SE
20/11/2013	03:25	2	SE	20/11/2013	08:00	4	SSE
20/11/2013	03:30	3	SE	20/11/2013	08:05	4	SE
20/11/2013	03:35	4	SE	20/11/2013	08:10	4	SE
20/11/2013	03:40	4	SE	20/11/2013	08:15	5	SSE
20/11/2013	03:45	3	SSE	20/11/2013	08:20	3	SE
20/11/2013	03:50	3	SSE	20/11/2013	08:25	5	SE
20/11/2013	03:55	3	SSE	20/11/2013	08:30	4	SE
20/11/2013	04:00	3	SSE	20/11/2013	08:35	4	SE
20/11/2013	04:05	2	SSE	20/11/2013	08:40	3	SSE
20/11/2013	04:10	4	SSE	20/11/2013	08:45	2	S
20/11/2013	04:15	2	SE	20/11/2013	08:50	4	SSE
20/11/2013	04:20	4	SE	20/11/2013	08:55	3	SSE
20/11/2013	04:25	4	SSE	20/11/2013	09:00	2	ESE
20/11/2013	04:30	2	SE	20/11/2013	09:05	6	SE
20/11/2013	04:35	2	SE	20/11/2013	09:10	6	SSE
20/11/2013	04:40	2	SSE	20/11/2013	09:15	6	SE
20/11/2013	04:45	5	SSE	20/11/2013	09:20	5	SE
20/11/2013	04:50	4	SSE	20/11/2013	09:25	5	SSE
20/11/2013	04:55	4	SE	20/11/2013	09:30	6	SSE
20/11/2013	05:00	4	SE	20/11/2013	09:35	5	SSE
20/11/2013	05:05	3	SSE	20/11/2013	09:40	7	SE
20/11/2013	05:10	2	SSW	20/11/2013	09:45	6	SSE
20/11/2013	05:15	1	SSW	20/11/2013	09:50	6	SE
20/11/2013	05:20	0	SE	20/11/2013	09:55	6	SE
20/11/2013	05:25	4	SSE	20/11/2013	10:00	8	SE
20/11/2013	05:30	2	SE	20/11/2013	10:05	7	SSE
20/11/2013	05:35	3	SE	20/11/2013	10:10	6	SSE
20/11/2013	05:40	2	S	20/11/2013	10:15	6	SSE
20/11/2013	05:45	2	SSE	20/11/2013	10:20	4	SSE
20/11/2013	05:50	1	S	20/11/2013	10:25	5	SSE
20/11/2013	05:55	2	ESE	20/11/2013	10:30	5	SE
20/11/2013	06:00	2	S	20/11/2013	10:35	6	SE
20/11/2013	06:05	2	S	20/11/2013	10:40	6	SE
20/11/2013	06:10	1	S	20/11/2013	10:45	5	SSE
20/11/2013	06:15	1	S	20/11/2013	10:50	5	SSE
20/11/2013	06:20	2	SSE	20/11/2013	10:55	5	SSE
20/11/2013	06:25	3	SSE	20/11/2013	11:00	6	SE
20/11/2013	06:30	2	SSE	20/11/2013	11:05	6	SSE
20/11/2013	06:35	2	SSE	20/11/2013	11:10	4	SSE
20/11/2013	06:40	3	SSE	20/11/2013	11:15	4	SSE
20/11/2013	06:45	4	SSE	20/11/2013	11:20	5	SSE
20/11/2013	06:50	3	SSE	20/11/2013	11:25	5	SSE
20/11/2013	06:55	4	SSE	20/11/2013	11:30	4	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
20/11/2013	11:35	4	SSE	20/11/2013	16:10	4	SSE
20/11/2013	11:40	6	SSE	20/11/2013	16:15	3	SSE
20/11/2013	11:45	6	SSE	20/11/2013	16:20	5	SSE
20/11/2013	11:50	5	SSE	20/11/2013	16:25	3	SE
20/11/2013	11:55	5	SSE	20/11/2013	16:30	3	SSE
20/11/2013	12:00	5	SSE	20/11/2013	16:35	5	SSE
20/11/2013	12:05	7	SSE	20/11/2013	16:40	4	SSE
20/11/2013	12:10	5	SSE	20/11/2013	16:45	4	SSE
20/11/2013	12:15	4	SE	20/11/2013	16:50	4	SSE
20/11/2013	12:20	5	SE	20/11/2013	16:55	5	SSE
20/11/2013	12:25	5	SE	20/11/2013	17:00	3	SE
20/11/2013	12:30	7	SE	20/11/2013	17:05	3	SSE
20/11/2013	12:35	5	SSE	20/11/2013	17:10	5	SSE
20/11/2013	12:40	6	SSE	20/11/2013	17:15	3	S
20/11/2013	12:45	5	ESE	20/11/2013	17:20	3	SSE
20/11/2013	12:50	4	SSE	20/11/2013	17:25	3	SSE
20/11/2013	12:55	5	SE	20/11/2013	17:30	3	SSE
20/11/2013	13:00	4	SSE	20/11/2013	17:35	3	SSE
20/11/2013	13:05	3	SSE	20/11/2013	17:40	4	SSE
20/11/2013	13:10	5	SSE	20/11/2013	17:45	3	SSE
20/11/2013	13:15	3	SSE	20/11/2013	17:50	3	SSE
20/11/2013	13:20	5	SE	20/11/2013	17:55	5	SSE
20/11/2013	13:25	4	SE	20/11/2013	18:00	4	SSE
20/11/2013	13:30	7	ESE	20/11/2013	18:05	4	SSE
20/11/2013	13:35	6	SE	20/11/2013	18:10	4	SE
20/11/2013	13:40	5	SSE	20/11/2013	18:15	2	SSE
20/11/2013	13:45	4	ESE	20/11/2013	18:20	1	SE
20/11/2013	13:50	5	ESE	20/11/2013	18:25	3	SSE
20/11/2013	13:55	5	SE	20/11/2013	18:30	3	SE
20/11/2013	14:00	5	SE	20/11/2013	18:35	3	SE
20/11/2013	14:05	4	ESE	20/11/2013	18:40	3	SSE
20/11/2013	14:10	5	SE	20/11/2013	18:45	3	SE
20/11/2013	14:15	6	SE	20/11/2013	18:50	3	SSE
20/11/2013	14:20	6	SE	20/11/2013	18:55	3	SSE
20/11/2013	14:25	6	ESE	20/11/2013	19:00	3	SSE
20/11/2013	14:30	4	ESE	20/11/2013	19:05	2	SSE
20/11/2013	14:35	4	ESE	20/11/2013	19:10	4	SSE
20/11/2013	14:40	3	E	20/11/2013	19:15	3	SE
20/11/2013	14:45	5	ESE	20/11/2013	19:20	3	SSE
20/11/2013	14:50	4	ESE	20/11/2013	19:25	2	SSE
20/11/2013	14:55	4	SE	20/11/2013	19:30	2	SE
20/11/2013	15:00	4	SE	20/11/2013	19:35	2	S
20/11/2013	15:05	4	ESE	20/11/2013	19:40	2	SSE
20/11/2013	15:10	4	SE	20/11/2013	19:45	3	SSE
20/11/2013	15:15	4	SE	20/11/2013	19:50	2	SSE
20/11/2013	15:20	5	SE	20/11/2013	19:55	3	SSE
20/11/2013	15:25	4	SSE	20/11/2013	20:00	4	SSE
20/11/2013	15:30	3	SSE	20/11/2013	20:05	4	SSE
20/11/2013	15:35	4	SSE	20/11/2013	20:10	5	SSE
20/11/2013	15:40	3	SSE	20/11/2013	20:15	4	SSE
20/11/2013	15:45	3	SSE	20/11/2013	20:20	4	SSE
20/11/2013	15:50	4	SSE	20/11/2013	20:25	2	ESE
20/11/2013	15:55	4	SSE	20/11/2013	20:30	3	SE
20/11/2013	16:00	3	SSE	20/11/2013	20:35	0	SSW
20/11/2013	16:05	3	SSE	20/11/2013	20:40	5	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
20/11/2013	20:45	4	SE	21/11/2013	01:20	3	ESE
20/11/2013	20:50	2	SE	21/11/2013	01:25	5	SSE
20/11/2013	20:55	3	SE	21/11/2013	01:30	3	SSE
20/11/2013	21:00	3	SE	21/11/2013	01:35	4	SE
20/11/2013	21:05	3	SE	21/11/2013	01:40	3	S
20/11/2013	21:10	4	SE	21/11/2013	01:45	3	SSE
20/11/2013	21:15	3	SE	21/11/2013	01:50	4	SSE
20/11/2013	21:20	2	ESE	21/11/2013	01:55	5	SSE
20/11/2013	21:25	3	ESE	21/11/2013	02:00	5	SE
20/11/2013	21:30	1	ESE	21/11/2013	02:05	5	SSE
20/11/2013	21:35	2	SSE	21/11/2013	02:10	5	SSE
20/11/2013	21:40	1	ESE	21/11/2013	02:15	5	SE
20/11/2013	21:45	0	SE	21/11/2013	02:20	5	SE
20/11/2013	21:50	0	---	21/11/2013	02:25	8	SSE
20/11/2013	21:55	1	SSE	21/11/2013	02:30	5	SSE
20/11/2013	22:00	1	ESE	21/11/2013	02:35	5	SSE
20/11/2013	22:05	3	SE	21/11/2013	02:40	6	SSE
20/11/2013	22:10	2	SSE	21/11/2013	02:45	6	SSE
20/11/2013	22:15	2	SSE	21/11/2013	02:50	4	SSE
20/11/2013	22:20	2	SE	21/11/2013	02:55	6	SSE
20/11/2013	22:25	4	SE	21/11/2013	03:00	4	SSE
20/11/2013	22:30	1	SSE	21/11/2013	03:05	4	SSE
20/11/2013	22:35	3	SE	21/11/2013	03:10	1	SSE
20/11/2013	22:40	1	SSE	21/11/2013	03:15	3	E
20/11/2013	22:45	1	SE	21/11/2013	03:20	3	SSE
20/11/2013	22:50	3	ESE	21/11/2013	03:25	4	SE
20/11/2013	22:55	1	S	21/11/2013	03:30	4	SE
20/11/2013	23:00	1	SSE	21/11/2013	03:35	5	SSE
20/11/2013	23:05	2	WNW	21/11/2013	03:40	3	SE
20/11/2013	23:10	2	NNW	21/11/2013	03:45	1	ESE
20/11/2013	23:15	1	NW	21/11/2013	03:50	3	NNW
20/11/2013	23:20	1	E	21/11/2013	03:55	2	NNW
20/11/2013	23:25	2	ESE	21/11/2013	04:00	0	---
20/11/2013	23:30	3	SE	21/11/2013	04:05	0	---
20/11/2013	23:35	5	SE	21/11/2013	04:10	0	SSE
20/11/2013	23:40	4	ESE	21/11/2013	04:15	1	WSW
20/11/2013	23:45	4	SE	21/11/2013	04:20	1	WNW
20/11/2013	23:50	2	SE	21/11/2013	04:25	2	WNW
20/11/2013	23:55	2	SE	21/11/2013	04:30	2	W
21/11/2013	00:00	5	SSE	21/11/2013	04:35	1	NW
21/11/2013	00:05	3	SSE	21/11/2013	04:40	1	S
21/11/2013	00:10	3	SSE	21/11/2013	04:45	0	WNW
21/11/2013	00:15	1	WNW	21/11/2013	04:50	2	W
21/11/2013	00:20	0	N	21/11/2013	04:55	0	W
21/11/2013	00:25	3	SSE	21/11/2013	05:00	1	S
21/11/2013	00:30	2	SSE	21/11/2013	05:05	1	SSW
21/11/2013	00:35	2	SSE	21/11/2013	05:10	0	---
21/11/2013	00:40	2	ESE	21/11/2013	05:15	0	---
21/11/2013	00:45	2	ESE	21/11/2013	05:20	0	SW
21/11/2013	00:50	3	ESE	21/11/2013	05:25	1	E
21/11/2013	00:55	2	SE	21/11/2013	05:30	2	S
21/11/2013	01:00	1	SE	21/11/2013	05:35	0	SSE
21/11/2013	01:05	3	SE	21/11/2013	05:40	1	SSE
21/11/2013	01:10	2	SE	21/11/2013	05:45	2	SSE
21/11/2013	01:15	1	SSE	21/11/2013	05:50	2	ESE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
21/11/2013	05:55	1	SE	21/11/2013	10:30	3	SE
21/11/2013	06:00	1	W	21/11/2013	10:35	2	SSE
21/11/2013	06:05	0	NNE	21/11/2013	10:40	4	SSE
21/11/2013	06:10	0	---	21/11/2013	10:45	5	SSE
21/11/2013	06:15	0	---	21/11/2013	10:50	5	S
21/11/2013	06:20	1	S	21/11/2013	10:55	5	S
21/11/2013	06:25	0	S	21/11/2013	11:00	6	SSW
21/11/2013	06:30	0	---	21/11/2013	11:05	2	SSE
21/11/2013	06:35	1	W	21/11/2013	11:10	1	S
21/11/2013	06:40	1	W	21/11/2013	11:15	1	SSE
21/11/2013	06:45	0	---	21/11/2013	11:20	2	SSE
21/11/2013	06:50	0	---	21/11/2013	11:25	3	E
21/11/2013	06:55	0	---	21/11/2013	11:30	5	ESE
21/11/2013	07:00	0	---	21/11/2013	11:35	5	SSE
21/11/2013	07:05	0	---	21/11/2013	11:40	5	ESE
21/11/2013	07:10	0	---	21/11/2013	11:45	4	SE
21/11/2013	07:15	0	---	21/11/2013	11:50	1	SSE
21/11/2013	07:20	0	---	21/11/2013	11:55	6	ESE
21/11/2013	07:25	0	---	21/11/2013	12:00	5	ESE
21/11/2013	07:30	3	ESE	21/11/2013	12:05	3	SSE
21/11/2013	07:35	1	ENE	21/11/2013	12:10	4	SE
21/11/2013	07:40	2	ESE	21/11/2013	12:15	3	SW
21/11/2013	07:45	2	SE	21/11/2013	12:20	4	S
21/11/2013	07:50	1	SE	21/11/2013	12:25	4	E
21/11/2013	07:55	2	SSE	21/11/2013	12:30	5	E
21/11/2013	08:00	1	S	21/11/2013	12:35	5	E
21/11/2013	08:05	1	WSW	21/11/2013	12:40	4	E
21/11/2013	08:10	2	SSE	21/11/2013	12:45	3	E
21/11/2013	08:15	3	S	21/11/2013	12:50	4	ESE
21/11/2013	08:20	2	SE	21/11/2013	12:55	3	E
21/11/2013	08:25	2	ESE	21/11/2013	13:00	4	E
21/11/2013	08:30	1	ESE	21/11/2013	13:05	4	E
21/11/2013	08:35	4	SE	21/11/2013	13:10	3	E
21/11/2013	08:40	2	ESE	21/11/2013	13:15	4	SSE
21/11/2013	08:45	1	E	21/11/2013	13:20	4	SSE
21/11/2013	08:50	1	SE	21/11/2013	13:25	2	SE
21/11/2013	08:55	4	SE	21/11/2013	13:30	2	SE
21/11/2013	09:00	4	SE	21/11/2013	13:35	3	ESE
21/11/2013	09:05	5	SE	21/11/2013	13:40	4	SE
21/11/2013	09:10	5	ESE	21/11/2013	13:45	3	ESE
21/11/2013	09:15	6	SE	21/11/2013	13:50	2	ENE
21/11/2013	09:20	5	SE	21/11/2013	13:55	5	E
21/11/2013	09:25	4	ESE	21/11/2013	14:00	3	ENE
21/11/2013	09:30	4	SSE	21/11/2013	14:05	4	ENE
21/11/2013	09:35	5	SSE	21/11/2013	14:10	4	ENE
21/11/2013	09:40	4	SSE	21/11/2013	14:15	3	ENE
21/11/2013	09:45	5	SSE	21/11/2013	14:20	2	NE
21/11/2013	09:50	4	SE	21/11/2013	14:25	3	ENE
21/11/2013	09:55	5	SE	21/11/2013	14:30	2	ENE
21/11/2013	10:00	4	SSE	21/11/2013	14:35	3	ENE
21/11/2013	10:05	5	ESE	21/11/2013	14:40	2	ENE
21/11/2013	10:10	4	SE	21/11/2013	14:45	1	ENE
21/11/2013	10:15	5	SE	21/11/2013	14:50	0	---
21/11/2013	10:20	4	SSE	21/11/2013	14:55	0	---
21/11/2013	10:25	4	SE	21/11/2013	15:00	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
21/11/2013	15:05	0	---	21/11/2013	19:40	2	SSE
21/11/2013	15:10	0	---	21/11/2013	19:45	2	SSE
21/11/2013	15:15	0	---	21/11/2013	19:50	2	SE
21/11/2013	15:20	0	---	21/11/2013	19:55	3	SSE
21/11/2013	15:25	0	---	21/11/2013	20:00	4	SSE
21/11/2013	15:30	2	ENE	21/11/2013	20:05	5	SSE
21/11/2013	15:35	3	ESE	21/11/2013	20:10	5	SSE
21/11/2013	15:40	3	SE	21/11/2013	20:15	5	SSE
21/11/2013	15:45	2	E	21/11/2013	20:20	5	SSE
21/11/2013	15:50	3	E	21/11/2013	20:25	7	SSE
21/11/2013	15:55	0	E	21/11/2013	20:30	7	SSE
21/11/2013	16:00	2	E	21/11/2013	20:35	6	SSE
21/11/2013	16:05	3	E	21/11/2013	20:40	7	SSE
21/11/2013	16:10	2	E	21/11/2013	20:45	7	SSE
21/11/2013	16:15	2	ESE	21/11/2013	20:50	6	SSE
21/11/2013	16:20	2	S	21/11/2013	20:55	6	SSE
21/11/2013	16:25	1	SSE	21/11/2013	21:00	5	SSE
21/11/2013	16:30	3	SSE	21/11/2013	21:05	6	SSE
21/11/2013	16:35	2	SSE	21/11/2013	21:10	6	SSE
21/11/2013	16:40	1	SE	21/11/2013	21:15	6	SSE
21/11/2013	16:45	2	SSE	21/11/2013	21:20	5	SSE
21/11/2013	16:50	1	S	21/11/2013	21:25	5	SSE
21/11/2013	16:55	1	S	21/11/2013	21:30	5	SSE
21/11/2013	17:00	3	SSE	21/11/2013	21:35	4	SSE
21/11/2013	17:05	1	SSW	21/11/2013	21:40	4	SSE
21/11/2013	17:10	0	SE	21/11/2013	21:45	2	SSE
21/11/2013	17:15	0	SE	21/11/2013	21:50	4	SSE
21/11/2013	17:20	0	SE	21/11/2013	21:55	4	SSE
21/11/2013	17:25	0	SSE	21/11/2013	22:00	6	SE
21/11/2013	17:30	1	ESE	21/11/2013	22:05	5	SSE
21/11/2013	17:35	0	NNW	21/11/2013	22:10	5	SSE
21/11/2013	17:40	1	N	21/11/2013	22:15	5	SE
21/11/2013	17:45	2	N	21/11/2013	22:20	3	SSE
21/11/2013	17:50	0	N	21/11/2013	22:25	5	SE
21/11/2013	17:55	0	ESE	21/11/2013	22:30	5	SE
21/11/2013	18:00	2	ESE	21/11/2013	22:35	7	SE
21/11/2013	18:05	1	NE	21/11/2013	22:40	4	SSE
21/11/2013	18:10	0	NE	21/11/2013	22:45	4	SSE
21/11/2013	18:15	0	NW	21/11/2013	22:50	4	SSE
21/11/2013	18:20	0	---	21/11/2013	22:55	8	SSE
21/11/2013	18:25	0	---	21/11/2013	23:00	10	SSE
21/11/2013	18:30	0	---	21/11/2013	23:05	8	SSE
21/11/2013	18:35	0	---	21/11/2013	23:10	9	SSE
21/11/2013	18:40	0	SE	21/11/2013	23:15	8	SSE
21/11/2013	18:45	1	SSE	21/11/2013	23:20	7	SSE
21/11/2013	18:50	1	SSE	21/11/2013	23:25	7	SSE
21/11/2013	18:55	2	SE	21/11/2013	23:30	5	S
21/11/2013	19:00	3	SSW	21/11/2013	23:35	5	SSE
21/11/2013	19:05	1	S	21/11/2013	23:40	4	S
21/11/2013	19:10	0	SSE	21/11/2013	23:45	4	SSE
21/11/2013	19:15	0	---	21/11/2013	23:50	3	SSE
21/11/2013	19:20	0	---	21/11/2013	23:55	3	SSE
21/11/2013	19:25	1	SSE	22/11/2013	00:00	5	SSE
21/11/2013	19:30	2	SSE	22/11/2013	00:05	4	SSE
21/11/2013	19:35	3	SSE	22/11/2013	00:10	4	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
22/11/2013	00:15	4	SSE	22/11/2013	04:50	5	SE
22/11/2013	00:20	4	SSE	22/11/2013	04:55	5	SSE
22/11/2013	00:25	6	SSE	22/11/2013	05:00	7	SE
22/11/2013	00:30	6	SSE	22/11/2013	05:05	3	SE
22/11/2013	00:35	7	SSE	22/11/2013	05:10	4	SE
22/11/2013	00:40	6	SSE	22/11/2013	05:15	4	SSE
22/11/2013	00:45	5	SSE	22/11/2013	05:20	5	SSE
22/11/2013	00:50	6	SSE	22/11/2013	05:25	4	SE
22/11/2013	00:55	8	SSE	22/11/2013	05:30	5	SE
22/11/2013	01:00	7	SSE	22/11/2013	05:35	5	SE
22/11/2013	01:05	6	SSE	22/11/2013	05:40	7	SE
22/11/2013	01:10	7	SSE	22/11/2013	05:45	5	SSE
22/11/2013	01:15	6	SSE	22/11/2013	05:50	4	S
22/11/2013	01:20	7	SSE	22/11/2013	05:55	1	SSE
22/11/2013	01:25	7	SSE	22/11/2013	06:00	4	SE
22/11/2013	01:30	6	SSE	22/11/2013	06:05	3	SSE
22/11/2013	01:35	7	SSE	22/11/2013	06:10	3	SE
22/11/2013	01:40	7	SSE	22/11/2013	06:15	2	ESE
22/11/2013	01:45	7	SSE	22/11/2013	06:20	3	ESE
22/11/2013	01:50	6	SSE	22/11/2013	06:25	2	W
22/11/2013	01:55	7	SE	22/11/2013	06:30	1	SSE
22/11/2013	02:00	4	SE	22/11/2013	06:35	3	SE
22/11/2013	02:05	5	SE	22/11/2013	06:40	2	S
22/11/2013	02:10	5	SSE	22/11/2013	06:45	4	SE
22/11/2013	02:15	2	SE	22/11/2013	06:50	5	ESE
22/11/2013	02:20	3	SE	22/11/2013	06:55	3	SE
22/11/2013	02:25	3	SE	22/11/2013	07:00	4	SE
22/11/2013	02:30	4	SE	22/11/2013	07:05	5	SSE
22/11/2013	02:35	2	ESE	22/11/2013	07:10	6	SE
22/11/2013	02:40	5	SE	22/11/2013	07:15	7	ESE
22/11/2013	02:45	4	SE	22/11/2013	07:20	8	ESE
22/11/2013	02:50	4	SE	22/11/2013	07:25	5	ESE
22/11/2013	02:55	4	SSE	22/11/2013	07:30	4	ESE
22/11/2013	03:00	4	SE	22/11/2013	07:35	4	ESE
22/11/2013	03:05	2	SSE	22/11/2013	07:40	3	E
22/11/2013	03:10	2	SSW	22/11/2013	07:45	3	E
22/11/2013	03:15	3	SSE	22/11/2013	07:50	1	ENE
22/11/2013	03:20	1	ESE	22/11/2013	07:55	4	ESE
22/11/2013	03:25	2	SSE	22/11/2013	08:00	4	SE
22/11/2013	03:30	1	S	22/11/2013	08:05	4	SE
22/11/2013	03:35	1	SE	22/11/2013	08:10	5	SSE
22/11/2013	03:40	2	ESE	22/11/2013	08:15	5	SSE
22/11/2013	03:45	3	ESE	22/11/2013	08:20	4	SE
22/11/2013	03:50	4	SE	22/11/2013	08:25	5	SE
22/11/2013	03:55	3	SSE	22/11/2013	08:30	5	SE
22/11/2013	04:00	3	SE	22/11/2013	08:35	5	SSE
22/11/2013	04:05	5	SSE	22/11/2013	08:40	4	SE
22/11/2013	04:10	5	SSE	22/11/2013	08:45	4	SE
22/11/2013	04:15	4	SE	22/11/2013	08:50	4	ESE
22/11/2013	04:20	5	SSE	22/11/2013	08:55	4	SE
22/11/2013	04:25	4	SSE	22/11/2013	09:00	4	ESE
22/11/2013	04:30	5	SSE	22/11/2013	09:05	3	SE
22/11/2013	04:35	7	SSE	22/11/2013	09:10	5	ESE
22/11/2013	04:40	5	SE	22/11/2013	09:15	6	SE
22/11/2013	04:45	5	SE	22/11/2013	09:20	6	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
22/11/2013	09:25	6	SE	22/11/2013	14:00	2	E
22/11/2013	09:30	4	SSE	22/11/2013	14:05	1	NE
22/11/2013	09:35	4	SE	22/11/2013	14:10	3	ESE
22/11/2013	09:40	4	ESE	22/11/2013	14:15	2	ESE
22/11/2013	09:45	4	SE	22/11/2013	14:20	3	SE
22/11/2013	09:50	4	S	22/11/2013	14:25	3	SSE
22/11/2013	09:55	5	SSE	22/11/2013	14:30	3	ESE
22/11/2013	10:00	4	SE	22/11/2013	14:35	3	SSE
22/11/2013	10:05	4	SE	22/11/2013	14:40	4	SSE
22/11/2013	10:10	5	SSE	22/11/2013	14:45	5	SE
22/11/2013	10:15	7	SSE	22/11/2013	14:50	4	SE
22/11/2013	10:20	6	SSE	22/11/2013	14:55	3	SSE
22/11/2013	10:25	6	SSE	22/11/2013	15:00	3	SSE
22/11/2013	10:30	6	SSE	22/11/2013	15:05	3	SSE
22/11/2013	10:35	7	SSE	22/11/2013	15:10	5	SE
22/11/2013	10:40	6	SSE	22/11/2013	15:15	4	SE
22/11/2013	10:45	7	SSE	22/11/2013	15:20	3	ESE
22/11/2013	10:50	5	SSE	22/11/2013	15:25	5	SSE
22/11/2013	10:55	6	SSE	22/11/2013	15:30	4	SE
22/11/2013	11:00	5	SE	22/11/2013	15:35	2	SSE
22/11/2013	11:05	6	SSE	22/11/2013	15:40	4	ESE
22/11/2013	11:10	6	SSE	22/11/2013	15:45	2	ENE
22/11/2013	11:15	4	SSE	22/11/2013	15:50	3	ESE
22/11/2013	11:20	5	SSE	22/11/2013	15:55	2	E
22/11/2013	11:25	5	SSE	22/11/2013	16:00	3	SE
22/11/2013	11:30	3	S	22/11/2013	16:05	2	ESE
22/11/2013	11:35	3	SSE	22/11/2013	16:10	3	SSE
22/11/2013	11:40	4	SSE	22/11/2013	16:15	1	SE
22/11/2013	11:45	4	S	22/11/2013	16:20	1	ESE
22/11/2013	11:50	6	SSE	22/11/2013	16:25	3	ESE
22/11/2013	11:55	5	SSE	22/11/2013	16:30	4	ESE
22/11/2013	12:00	4	SSE	22/11/2013	16:35	3	WNW
22/11/2013	12:05	6	S	22/11/2013	16:40	1	N
22/11/2013	12:10	3	S	22/11/2013	16:45	4	N
22/11/2013	12:15	4	SSE	22/11/2013	16:50	4	NNW
22/11/2013	12:20	4	SE	22/11/2013	16:55	1	NW
22/11/2013	12:25	4	SSE	22/11/2013	17:00	0	N
22/11/2013	12:30	3	SSW	22/11/2013	17:05	1	ENE
22/11/2013	12:35	3	SSE	22/11/2013	17:10	3	ESE
22/11/2013	12:40	3	SE	22/11/2013	17:15	3	ESE
22/11/2013	12:45	3	ENE	22/11/2013	17:20	2	SE
22/11/2013	12:50	3	ESE	22/11/2013	17:25	0	NW
22/11/2013	12:55	3	ESE	22/11/2013	17:30	2	NE
22/11/2013	13:00	1	NNE	22/11/2013	17:35	2	NW
22/11/2013	13:05	2	NE	22/11/2013	17:40	2	NW
22/11/2013	13:10	1	NNW	22/11/2013	17:45	2	E
22/11/2013	13:15	2	ENE	22/11/2013	17:50	3	ESE
22/11/2013	13:20	1	NNE	22/11/2013	17:55	2	NW
22/11/2013	13:25	1	W	22/11/2013	18:00	0	N
22/11/2013	13:30	1	SE	22/11/2013	18:05	0	S
22/11/2013	13:35	1	S	22/11/2013	18:10	1	ESE
22/11/2013	13:40	0	---	22/11/2013	18:15	2	SE
22/11/2013	13:45	0	---	22/11/2013	18:20	2	SE
22/11/2013	13:50	1	W	22/11/2013	18:25	2	SSE
22/11/2013	13:55	0	---	22/11/2013	18:30	2	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
22/11/2013	18:35	2	E	22/11/2013	23:10	6	SSE
22/11/2013	18:40	1	SE	22/11/2013	23:15	7	SSE
22/11/2013	18:45	2	SE	22/11/2013	23:20	6	SSE
22/11/2013	18:50	2	N	22/11/2013	23:25	7	SSE
22/11/2013	18:55	3	SE	22/11/2013	23:30	5	S
22/11/2013	19:00	2	ENE	22/11/2013	23:35	4	SSE
22/11/2013	19:05	3	NE	22/11/2013	23:40	6	SSE
22/11/2013	19:10	2	SSW	22/11/2013	23:45	7	SSE
22/11/2013	19:15	3	SSE	22/11/2013	23:50	7	SSE
22/11/2013	19:20	4	ESE	22/11/2013	23:55	4	SSE
22/11/2013	19:25	3	SE	23/11/2013	00:00	5	SSE
22/11/2013	19:30	1	E	23/11/2013	00:05	7	SSE
22/11/2013	19:35	3	NW	23/11/2013	00:10	7	S
22/11/2013	19:40	3	SE	23/11/2013	00:15	6	SSE
22/11/2013	19:45	1	SSE	23/11/2013	00:20	7	SSE
22/11/2013	19:50	0	ENE	23/11/2013	00:25	8	SSE
22/11/2013	19:55	4	NW	23/11/2013	00:30	8	SSE
22/11/2013	20:00	3	S	23/11/2013	00:35	6	SSE
22/11/2013	20:05	2	E	23/11/2013	00:40	6	SSE
22/11/2013	20:10	4	NW	23/11/2013	00:45	6	SSE
22/11/2013	20:15	2	N	23/11/2013	00:50	7	SSE
22/11/2013	20:20	2	NW	23/11/2013	00:55	8	SSE
22/11/2013	20:25	2	NNW	23/11/2013	01:00	10	SSE
22/11/2013	20:30	3	ESE	23/11/2013	01:05	9	SSE
22/11/2013	20:35	1	N	23/11/2013	01:10	7	SSE
22/11/2013	20:40	2	NE	23/11/2013	01:15	7	SSE
22/11/2013	20:45	1	NE	23/11/2013	01:20	8	SSE
22/11/2013	20:50	1	SSE	23/11/2013	01:25	7	SSE
22/11/2013	20:55	1	ENE	23/11/2013	01:30	7	SSE
22/11/2013	21:00	3	NE	23/11/2013	01:35	7	SSE
22/11/2013	21:05	2	N	23/11/2013	01:40	7	SSE
22/11/2013	21:10	1	N	23/11/2013	01:45	6	SSE
22/11/2013	21:15	4	ESE	23/11/2013	01:50	6	SSE
22/11/2013	21:20	3	ESE	23/11/2013	01:55	6	SSE
22/11/2013	21:25	1	ENE	23/11/2013	02:00	7	SSE
22/11/2013	21:30	1	NE	23/11/2013	02:05	6	SSE
22/11/2013	21:35	3	SE	23/11/2013	02:10	11	SSE
22/11/2013	21:40	4	SSE	23/11/2013	02:15	10	SSE
22/11/2013	21:45	3	SSE	23/11/2013	02:20	8	SSE
22/11/2013	21:50	1	E	23/11/2013	02:25	8	SSE
22/11/2013	21:55	3	SSE	23/11/2013	02:30	8	SSE
22/11/2013	22:00	6	SSE	23/11/2013	02:35	6	SSE
22/11/2013	22:05	5	SSE	23/11/2013	02:40	6	SSE
22/11/2013	22:10	7	SSE	23/11/2013	02:45	8	SSE
22/11/2013	22:15	7	SSE	23/11/2013	02:50	10	SSE
22/11/2013	22:20	3	SSE	23/11/2013	02:55	11	SSE
22/11/2013	22:25	4	SSE	23/11/2013	03:00	11	SSE
22/11/2013	22:30	3	SSE	23/11/2013	03:05	9	SSE
22/11/2013	22:35	4	ESE	23/11/2013	03:10	7	SSE
22/11/2013	22:40	6	SSE	23/11/2013	03:15	8	SSE
22/11/2013	22:45	3	SSE	23/11/2013	03:20	6	SSE
22/11/2013	22:50	7	SSE	23/11/2013	03:25	10	SSE
22/11/2013	22:55	5	SSE	23/11/2013	03:30	12	SSE
22/11/2013	23:00	4	SSE	23/11/2013	03:35	13	SSE
22/11/2013	23:05	6	SSE	23/11/2013	03:40	12	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
23/11/2013	03:45	11	SSE	23/11/2013	08:20	11	SSE
23/11/2013	03:50	10	SSE	23/11/2013	08:25	10	SSE
23/11/2013	03:55	9	SSE	23/11/2013	08:30	9	SSE
23/11/2013	04:00	9	SSE	23/11/2013	08:35	9	SSE
23/11/2013	04:05	9	SSE	23/11/2013	08:40	9	SSE
23/11/2013	04:10	12	SSE	23/11/2013	08:45	9	SSE
23/11/2013	04:15	9	SSE	23/11/2013	08:50	7	SSE
23/11/2013	04:20	9	SSE	23/11/2013	08:55	8	SSE
23/11/2013	04:25	9	SSE	23/11/2013	09:00	8	SSE
23/11/2013	04:30	11	SSE	23/11/2013	09:05	9	SSE
23/11/2013	04:35	7	SSE	23/11/2013	09:10	8	SSE
23/11/2013	04:40	8	SSE	23/11/2013	09:15	10	SSE
23/11/2013	04:45	7	SSE	23/11/2013	09:20	10	SSE
23/11/2013	04:50	7	SSE	23/11/2013	09:25	12	SSE
23/11/2013	04:55	8	SSE	23/11/2013	09:30	8	SSE
23/11/2013	05:00	10	SSE	23/11/2013	09:35	10	SSE
23/11/2013	05:05	8	SSE	23/11/2013	09:40	6	SSE
23/11/2013	05:10	7	SSE	23/11/2013	09:45	7	SSE
23/11/2013	05:15	8	SSE	23/11/2013	09:50	6	SSE
23/11/2013	05:20	9	SSE	23/11/2013	09:55	9	SSE
23/11/2013	05:25	8	SSE	23/11/2013	10:00	8	SSE
23/11/2013	05:30	9	SSE	23/11/2013	10:05	7	SSE
23/11/2013	05:35	6	SSE	23/11/2013	10:10	7	SSE
23/11/2013	05:40	7	SSE	23/11/2013	10:15	5	SSE
23/11/2013	05:45	5	SE	23/11/2013	10:20	10	SSE
23/11/2013	05:50	6	SSE	23/11/2013	10:25	7	SSE
23/11/2013	05:55	8	SE	23/11/2013	10:30	7	SSE
23/11/2013	06:00	7	SSE	23/11/2013	10:35	8	SSE
23/11/2013	06:05	6	SSE	23/11/2013	10:40	7	SSE
23/11/2013	06:10	7	SSE	23/11/2013	10:45	9	SSE
23/11/2013	06:15	6	S	23/11/2013	10:50	6	SSE
23/11/2013	06:20	8	SSE	23/11/2013	10:55	7	SSE
23/11/2013	06:25	5	S	23/11/2013	11:00	7	SSE
23/11/2013	06:30	5	SSE	23/11/2013	11:05	6	SSE
23/11/2013	06:35	6	SSE	23/11/2013	11:10	6	SSE
23/11/2013	06:40	7	SSE	23/11/2013	11:15	6	SSE
23/11/2013	06:45	9	SSE	23/11/2013	11:20	6	SSE
23/11/2013	06:50	8	SSE	23/11/2013	11:25	7	SSE
23/11/2013	06:55	9	SSE	23/11/2013	11:30	7	SSE
23/11/2013	07:00	9	SSE	23/11/2013	11:35	7	SSE
23/11/2013	07:05	8	SSE	23/11/2013	11:40	6	SSE
23/11/2013	07:10	9	SSE	23/11/2013	11:45	6	SSE
23/11/2013	07:15	10	SSE	23/11/2013	11:50	7	SSE
23/11/2013	07:20	11	SSE	23/11/2013	11:55	9	S
23/11/2013	07:25	11	SSE	23/11/2013	12:00	9	SSE
23/11/2013	07:30	9	SSE	23/11/2013	12:05	7	SSE
23/11/2013	07:35	10	SSE	23/11/2013	12:10	7	SSE
23/11/2013	07:40	10	SSE	23/11/2013	12:15	7	SSE
23/11/2013	07:45	10	SSE	23/11/2013	12:20	7	SSE
23/11/2013	07:50	9	SSE	23/11/2013	12:25	7	SSE
23/11/2013	07:55	10	SSE	23/11/2013	12:30	7	SSE
23/11/2013	08:00	10	SSE	23/11/2013	12:35	8	SE
23/11/2013	08:05	11	SSE	23/11/2013	12:40	9	SSE
23/11/2013	08:10	11	SSE	23/11/2013	12:45	11	SSE
23/11/2013	08:15	8	SSE	23/11/2013	12:50	10	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
23/11/2013	12:55	12	SSE	23/11/2013	17:30	6	SSE
23/11/2013	13:00	9	SSE	23/11/2013	17:35	7	SSE
23/11/2013	13:05	12	SSE	23/11/2013	17:40	6	SSE
23/11/2013	13:10	10	SSE	23/11/2013	17:45	6	SSE
23/11/2013	13:15	11	SSE	23/11/2013	17:50	6	SSE
23/11/2013	13:20	10	SSE	23/11/2013	17:55	7	SSE
23/11/2013	13:25	8	SSE	23/11/2013	18:00	6	SSE
23/11/2013	13:30	9	SSE	23/11/2013	18:05	7	SSE
23/11/2013	13:35	7	SSE	23/11/2013	18:10	7	SSE
23/11/2013	13:40	9	SSE	23/11/2013	18:15	11	SSE
23/11/2013	13:45	9	SSE	23/11/2013	18:20	10	SSE
23/11/2013	13:50	10	SSE	23/11/2013	18:25	9	SSE
23/11/2013	13:55	9	SSE	23/11/2013	18:30	11	SSE
23/11/2013	14:00	9	SSE	23/11/2013	18:35	8	SSE
23/11/2013	14:05	11	SSE	23/11/2013	18:40	11	SSE
23/11/2013	14:10	9	SSE	23/11/2013	18:45	8	SSE
23/11/2013	14:15	12	SSE	23/11/2013	18:50	7	SSE
23/11/2013	14:20	11	SSE	23/11/2013	18:55	7	SSE
23/11/2013	14:25	11	SSE	23/11/2013	19:00	8	SSE
23/11/2013	14:30	10	SSE	23/11/2013	19:05	6	SSE
23/11/2013	14:35	13	SSE	23/11/2013	19:10	7	SSE
23/11/2013	14:40	9	SSE	23/11/2013	19:15	8	SSE
23/11/2013	14:45	10	SSE	23/11/2013	19:20	9	SSE
23/11/2013	14:50	10	SSE	23/11/2013	19:25	8	SSE
23/11/2013	14:55	10	SSE	23/11/2013	19:30	8	SSE
23/11/2013	15:00	9	SSE	23/11/2013	19:35	8	SSE
23/11/2013	15:05	10	SSE	23/11/2013	19:40	8	SSE
23/11/2013	15:10	9	SSE	23/11/2013	19:45	9	SSE
23/11/2013	15:15	10	SSE	23/11/2013	19:50	6	SSE
23/11/2013	15:20	11	SSE	23/11/2013	19:55	8	SSE
23/11/2013	15:25	12	SSE	23/11/2013	20:00	7	SSE
23/11/2013	15:30	12	SSE	23/11/2013	20:05	7	SSE
23/11/2013	15:35	11	SSE	23/11/2013	20:10	7	SSE
23/11/2013	15:40	11	SSE	23/11/2013	20:15	7	SSE
23/11/2013	15:45	12	SSE	23/11/2013	20:20	8	SSE
23/11/2013	15:50	12	SSE	23/11/2013	20:25	9	SSE
23/11/2013	15:55	11	SSE	23/11/2013	20:30	8	SSE
23/11/2013	16:00	9	SSE	23/11/2013	20:35	8	SSE
23/11/2013	16:05	10	SSE	23/11/2013	20:40	8	SSE
23/11/2013	16:10	9	SSE	23/11/2013	20:45	6	SSE
23/11/2013	16:15	9	SSE	23/11/2013	20:50	7	SSE
23/11/2013	16:20	9	SSE	23/11/2013	20:55	9	SSE
23/11/2013	16:25	10	SSE	23/11/2013	21:00	9	SSE
23/11/2013	16:30	11	SSE	23/11/2013	21:05	10	SSE
23/11/2013	16:35	10	SSE	23/11/2013	21:10	10	SSE
23/11/2013	16:40	8	SSE	23/11/2013	21:15	10	SSE
23/11/2013	16:45	9	SSE	23/11/2013	21:20	9	SSE
23/11/2013	16:50	8	SSE	23/11/2013	21:25	8	SSE
23/11/2013	16:55	6	SSE	23/11/2013	21:30	7	SSE
23/11/2013	17:00	5	SSE	23/11/2013	21:35	7	SSE
23/11/2013	17:05	6	SSE	23/11/2013	21:40	7	SE
23/11/2013	17:10	7	SSE	23/11/2013	21:45	7	SE
23/11/2013	17:15	7	SSE	23/11/2013	21:50	7	SSE
23/11/2013	17:20	5	SSE	23/11/2013	21:55	9	SSE
23/11/2013	17:25	7	SSE	23/11/2013	22:00	9	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
23/11/2013	22:05	8	SSE	24/11/2013	02:40	3	E
23/11/2013	22:10	6	ESE	24/11/2013	02:45	3	SSE
23/11/2013	22:15	7	ESE	24/11/2013	02:50	1	NNW
23/11/2013	22:20	7	SE	24/11/2013	02:55	2	NNE
23/11/2013	22:25	6	SE	24/11/2013	03:00	3	N
23/11/2013	22:30	7	SSE	24/11/2013	03:05	2	NNE
23/11/2013	22:35	5	SSE	24/11/2013	03:10	2	W
23/11/2013	22:40	4	SSE	24/11/2013	03:15	5	ESE
23/11/2013	22:45	4	SSE	24/11/2013	03:20	3	ESE
23/11/2013	22:50	4	SSE	24/11/2013	03:25	2	E
23/11/2013	22:55	5	SE	24/11/2013	03:30	2	WNW
23/11/2013	23:00	5	SSE	24/11/2013	03:35	2	NW
23/11/2013	23:05	6	SSE	24/11/2013	03:40	1	NNW
23/11/2013	23:10	6	SSE	24/11/2013	03:45	2	N
23/11/2013	23:15	8	SSE	24/11/2013	03:50	2	ESE
23/11/2013	23:20	6	SSE	24/11/2013	03:55	5	SSE
23/11/2013	23:25	6	SSE	24/11/2013	04:00	5	ESE
23/11/2013	23:30	7	SSE	24/11/2013	04:05	3	SSE
23/11/2013	23:35	6	SE	24/11/2013	04:10	4	E
23/11/2013	23:40	7	SE	24/11/2013	04:15	6	ESE
23/11/2013	23:45	4	SSE	24/11/2013	04:20	8	SE
23/11/2013	23:50	5	SSE	24/11/2013	04:25	7	ESE
23/11/2013	23:55	6	SSE	24/11/2013	04:30	8	SE
24/11/2013	00:00	4	SSE	24/11/2013	04:35	11	SE
24/11/2013	00:05	6	SSE	24/11/2013	04:40	10	SE
24/11/2013	00:10	4	SSE	24/11/2013	04:45	10	SE
24/11/2013	00:15	4	SSE	24/11/2013	04:50	9	SE
24/11/2013	00:20	4	SSE	24/11/2013	04:55	8	SE
24/11/2013	00:25	3	SSE	24/11/2013	05:00	8	SE
24/11/2013	00:30	5	SSE	24/11/2013	05:05	7	SE
24/11/2013	00:35	6	SSE	24/11/2013	05:10	7	SE
24/11/2013	00:40	8	SSE	24/11/2013	05:15	5	SE
24/11/2013	00:45	7	SSE	24/11/2013	05:20	5	SE
24/11/2013	00:50	8	SSE	24/11/2013	05:25	5	SE
24/11/2013	00:55	7	SSE	24/11/2013	05:30	6	SE
24/11/2013	01:00	8	SSE	24/11/2013	05:35	5	SE
24/11/2013	01:05	8	SSE	24/11/2013	05:40	4	ESE
24/11/2013	01:10	8	SSE	24/11/2013	05:45	4	ESE
24/11/2013	01:15	7	SSE	24/11/2013	05:50	4	ESE
24/11/2013	01:20	6	SSE	24/11/2013	05:55	4	ESE
24/11/2013	01:25	7	SSE	24/11/2013	06:00	6	ESE
24/11/2013	01:30	5	SSE	24/11/2013	06:05	8	SE
24/11/2013	01:35	6	SSE	24/11/2013	06:10	7	ESE
24/11/2013	01:40	5	SSE	24/11/2013	06:15	6	ESE
24/11/2013	01:45	6	SSE	24/11/2013	06:20	7	SE
24/11/2013	01:50	5	SSE	24/11/2013	06:25	7	ESE
24/11/2013	01:55	5	SSE	24/11/2013	06:30	6	E
24/11/2013	02:00	5	SSE	24/11/2013	06:35	6	ESE
24/11/2013	02:05	6	SSE	24/11/2013	06:40	5	ESE
24/11/2013	02:10	5	S	24/11/2013	06:45	7	SE
24/11/2013	02:15	4	SSE	24/11/2013	06:50	7	SE
24/11/2013	02:20	5	S	24/11/2013	06:55	7	SE
24/11/2013	02:25	3	SSE	24/11/2013	07:00	5	SE
24/11/2013	02:30	5	SSE	24/11/2013	07:05	4	SE
24/11/2013	02:35	4	SSE	24/11/2013	07:10	4	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
24/11/2013	07:15	4	SE	24/11/2013	11:50	5	NNE
24/11/2013	07:20	3	SSE	24/11/2013	11:55	5	N
24/11/2013	07:25	1	S	24/11/2013	12:00	8	NNW
24/11/2013	07:30	2	S	24/11/2013	12:05	8	NNW
24/11/2013	07:35	0	---	24/11/2013	12:10	7	NNW
24/11/2013	07:40	0	SE	24/11/2013	12:15	6	N
24/11/2013	07:45	2	ESE	24/11/2013	12:20	6	NNW
24/11/2013	07:50	2	SSE	24/11/2013	12:25	5	N
24/11/2013	07:55	3	SSE	24/11/2013	12:30	4	N
24/11/2013	08:00	3	SSE	24/11/2013	12:35	4	N
24/11/2013	08:05	1	SSE	24/11/2013	12:40	3	N
24/11/2013	08:10	1	SSE	24/11/2013	12:45	2	NNE
24/11/2013	08:15	3	SSE	24/11/2013	12:50	1	NNE
24/11/2013	08:20	5	SSE	24/11/2013	12:55	1	NNE
24/11/2013	08:25	5	SSE	24/11/2013	13:00	2	NNE
24/11/2013	08:30	5	SE	24/11/2013	13:05	4	N
24/11/2013	08:35	5	SSE	24/11/2013	13:10	5	N
24/11/2013	08:40	5	SSE	24/11/2013	13:15	4	N
24/11/2013	08:45	5	SSE	24/11/2013	13:20	6	N
24/11/2013	08:50	4	SSE	24/11/2013	13:25	5	N
24/11/2013	08:55	2	S	24/11/2013	13:30	5	N
24/11/2013	09:00	3	SSE	24/11/2013	13:35	5	N
24/11/2013	09:05	3	SE	24/11/2013	13:40	6	N
24/11/2013	09:10	3	SE	24/11/2013	13:45	5	N
24/11/2013	09:15	3	SSE	24/11/2013	13:50	5	N
24/11/2013	09:20	3	SSE	24/11/2013	13:55	4	NNE
24/11/2013	09:25	1	E	24/11/2013	14:00	4	NNE
24/11/2013	09:30	1	ESE	24/11/2013	14:05	3	NNE
24/11/2013	09:35	3	ENE	24/11/2013	14:10	2	WNW
24/11/2013	09:40	2	WNW	24/11/2013	14:15	3	N
24/11/2013	09:45	3	E	24/11/2013	14:20	2	N
24/11/2013	09:50	5	E	24/11/2013	14:25	1	N
24/11/2013	09:55	5	SE	24/11/2013	14:30	1	ESE
24/11/2013	10:00	4	SSE	24/11/2013	14:35	2	E
24/11/2013	10:05	3	SSE	24/11/2013	14:40	2	E
24/11/2013	10:10	3	SSE	24/11/2013	14:45	1	ESE
24/11/2013	10:15	3	SSE	24/11/2013	14:50	2	ESE
24/11/2013	10:20	2	SSE	24/11/2013	14:55	3	ESE
24/11/2013	10:25	3	ESE	24/11/2013	15:00	5	SE
24/11/2013	10:30	3	E	24/11/2013	15:05	4	SE
24/11/2013	10:35	2	SSE	24/11/2013	15:10	4	E
24/11/2013	10:40	3	ESE	24/11/2013	15:15	4	E
24/11/2013	10:45	7	ESE	24/11/2013	15:20	2	ENE
24/11/2013	10:50	7	SE	24/11/2013	15:25	2	ENE
24/11/2013	10:55	5	ESE	24/11/2013	15:30	2	NE
24/11/2013	11:00	5	E	24/11/2013	15:35	2	NE
24/11/2013	11:05	1	E	24/11/2013	15:40	6	N
24/11/2013	11:10	2	N	24/11/2013	15:45	5	N
24/11/2013	11:15	2	NNW	24/11/2013	15:50	4	N
24/11/2013	11:20	5	E	24/11/2013	15:55	3	NNW
24/11/2013	11:25	5	E	24/11/2013	16:00	4	NNW
24/11/2013	11:30	4	NE	24/11/2013	16:05	3	NNW
24/11/2013	11:35	6	NE	24/11/2013	16:10	3	NNW
24/11/2013	11:40	6	NNE	24/11/2013	16:15	4	NNW
24/11/2013	11:45	6	NNE	24/11/2013	16:20	3	NNW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
24/11/2013	16:25	1	NNW	24/11/2013	21:00	4	NE
24/11/2013	16:30	2	N	24/11/2013	21:05	5	NE
24/11/2013	16:35	1	N	24/11/2013	21:10	6	NE
24/11/2013	16:40	0	---	24/11/2013	21:15	5	NE
24/11/2013	16:45	1	NNW	24/11/2013	21:20	4	NE
24/11/2013	16:50	0	NNW	24/11/2013	21:25	4	NE
24/11/2013	16:55	2	N	24/11/2013	21:30	3	NE
24/11/2013	17:00	4	N	24/11/2013	21:35	4	NNE
24/11/2013	17:05	4	NNW	24/11/2013	21:40	4	NE
24/11/2013	17:10	7	N	24/11/2013	21:45	5	NNE
24/11/2013	17:15	7	N	24/11/2013	21:50	4	NNE
24/11/2013	17:20	14	N	24/11/2013	21:55	6	NNE
24/11/2013	17:25	16	NNW	24/11/2013	22:00	4	NNE
24/11/2013	17:30	14	N	24/11/2013	22:05	4	NNE
24/11/2013	17:35	11	N	24/11/2013	22:10	5	NNE
24/11/2013	17:40	8	N	24/11/2013	22:15	4	NNE
24/11/2013	17:45	7	NNW	24/11/2013	22:20	4	NE
24/11/2013	17:50	6	NNW	24/11/2013	22:25	8	NNE
24/11/2013	17:55	5	NNW	24/11/2013	22:30	8	NNE
24/11/2013	18:00	2	NW	24/11/2013	22:35	8	N
24/11/2013	18:05	6	N	24/11/2013	22:40	6	NNE
24/11/2013	18:10	6	NNW	24/11/2013	22:45	5	NNE
24/11/2013	18:15	4	N	24/11/2013	22:50	7	NNE
24/11/2013	18:20	3	NNW	24/11/2013	22:55	7	NNE
24/11/2013	18:25	4	NNW	24/11/2013	23:00	4	NNE
24/11/2013	18:30	3	NW	24/11/2013	23:05	6	NNE
24/11/2013	18:35	0	WNW	24/11/2013	23:10	6	NNE
24/11/2013	18:40	3	NNW	24/11/2013	23:15	4	NNE
24/11/2013	18:45	4	NW	24/11/2013	23:20	6	NE
24/11/2013	18:50	4	NNW	24/11/2013	23:25	6	NE
24/11/2013	18:55	2	NW	24/11/2013	23:30	6	NE
24/11/2013	19:00	2	WNW	24/11/2013	23:35	5	NE
24/11/2013	19:05	2	NW	24/11/2013	23:40	7	NE
24/11/2013	19:10	2	NW	24/11/2013	23:45	6	NE
24/11/2013	19:15	1	NW	24/11/2013	23:50	6	NE
24/11/2013	19:20	1	NNE	24/11/2013	23:55	6	NE
24/11/2013	19:25	1	ENE	25/11/2013	00:00	5	NE
24/11/2013	19:30	2	NE	25/11/2013	00:05	7	NE
24/11/2013	19:35	3	NE	25/11/2013	00:10	7	NE
24/11/2013	19:40	4	NE	25/11/2013	00:15	6	NNE
24/11/2013	19:45	3	NE	25/11/2013	00:20	7	NE
24/11/2013	19:50	2	NE	25/11/2013	00:25	8	NE
24/11/2013	19:55	3	NE	25/11/2013	00:30	6	NE
24/11/2013	20:00	4	NE	25/11/2013	00:35	5	NE
24/11/2013	20:05	3	ENE	25/11/2013	00:40	6	NNE
24/11/2013	20:10	4	NE	25/11/2013	00:45	7	NE
24/11/2013	20:15	4	NE	25/11/2013	00:50	7	NE
24/11/2013	20:20	3	NE	25/11/2013	00:55	6	NE
24/11/2013	20:25	3	NE	25/11/2013	01:00	5	NE
24/11/2013	20:30	3	NNE	25/11/2013	01:05	5	NE
24/11/2013	20:35	2	ENE	25/11/2013	01:10	6	NNE
24/11/2013	20:40	3	NE	25/11/2013	01:15	5	NNE
24/11/2013	20:45	2	ENE	25/11/2013	01:20	6	NNE
24/11/2013	20:50	3	NE	25/11/2013	01:25	5	NNE
24/11/2013	20:55	4	NNE	25/11/2013	01:30	6	NNE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
25/11/2013	01:35	5	NE	25/11/2013	06:10	6	E
25/11/2013	01:40	6	NE	25/11/2013	06:15	6	ESE
25/11/2013	01:45	6	NE	25/11/2013	06:20	6	ESE
25/11/2013	01:50	4	NE	25/11/2013	06:25	7	E
25/11/2013	01:55	6	NE	25/11/2013	06:30	7	ESE
25/11/2013	02:00	7	NE	25/11/2013	06:35	4	ESE
25/11/2013	02:05	6	NE	25/11/2013	06:40	5	E
25/11/2013	02:10	6	NNE	25/11/2013	06:45	6	E
25/11/2013	02:15	5	NNE	25/11/2013	06:50	5	ESE
25/11/2013	02:20	6	NNE	25/11/2013	06:55	4	ESE
25/11/2013	02:25	4	NE	25/11/2013	07:00	4	E
25/11/2013	02:30	5	NE	25/11/2013	07:05	4	SE
25/11/2013	02:35	5	NE	25/11/2013	07:10	5	E
25/11/2013	02:40	5	NNE	25/11/2013	07:15	5	E
25/11/2013	02:45	4	NE	25/11/2013	07:20	5	ESE
25/11/2013	02:50	3	NE	25/11/2013	07:25	5	SE
25/11/2013	02:55	6	NNE	25/11/2013	07:30	3	E
25/11/2013	03:00	4	NNE	25/11/2013	07:35	4	E
25/11/2013	03:05	5	NE	25/11/2013	07:40	4	E
25/11/2013	03:10	5	NNE	25/11/2013	07:45	3	SE
25/11/2013	03:15	6	NNE	25/11/2013	07:50	4	ESE
25/11/2013	03:20	5	NE	25/11/2013	07:55	2	ESE
25/11/2013	03:25	5	NNE	25/11/2013	08:00	2	ESE
25/11/2013	03:30	5	NE	25/11/2013	08:05	1	ENE
25/11/2013	03:35	4	NNE	25/11/2013	08:10	1	ENE
25/11/2013	03:40	4	NE	25/11/2013	08:15	3	ESE
25/11/2013	03:45	4	NE	25/11/2013	08:20	5	SE
25/11/2013	03:50	5	NNE	25/11/2013	08:25	7	ESE
25/11/2013	03:55	6	NNE	25/11/2013	08:30	6	ESE
25/11/2013	04:00	4	NE	25/11/2013	08:35	6	E
25/11/2013	04:05	6	NE	25/11/2013	08:40	6	E
25/11/2013	04:10	5	NNE	25/11/2013	08:45	5	ESE
25/11/2013	04:15	5	NE	25/11/2013	08:50	3	E
25/11/2013	04:20	4	NE	25/11/2013	08:55	5	ESE
25/11/2013	04:25	4	NE	25/11/2013	09:00	4	SE
25/11/2013	04:30	5	NE	25/11/2013	09:05	5	SE
25/11/2013	04:35	5	NE	25/11/2013	09:10	3	SE
25/11/2013	04:40	6	NNE	25/11/2013	09:15	4	SE
25/11/2013	04:45	7	NE	25/11/2013	09:20	4	ESE
25/11/2013	04:50	6	NNE	25/11/2013	09:25	4	SE
25/11/2013	04:55	5	NE	25/11/2013	09:30	4	SE
25/11/2013	05:00	5	NE	25/11/2013	09:35	4	SE
25/11/2013	05:05	6	NE	25/11/2013	09:40	3	NE
25/11/2013	05:10	4	NE	25/11/2013	09:45	7	E
25/11/2013	05:15	6	NE	25/11/2013	09:50	5	SE
25/11/2013	05:20	5	NE	25/11/2013	09:55	6	ESE
25/11/2013	05:25	6	NE	25/11/2013	10:00	4	E
25/11/2013	05:30	4	NE	25/11/2013	10:05	2	SSE
25/11/2013	05:35	5	NE	25/11/2013	10:10	3	SSE
25/11/2013	05:40	6	E	25/11/2013	10:15	5	SE
25/11/2013	05:45	6	E	25/11/2013	10:20	4	NE
25/11/2013	05:50	4	E	25/11/2013	10:25	5	E
25/11/2013	05:55	5	E	25/11/2013	10:30	5	SE
25/11/2013	06:00	5	E	25/11/2013	10:35	4	ESE
25/11/2013	06:05	6	ESE	25/11/2013	10:40	5	ESE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
25/11/2013	10:45	3	ENE	25/11/2013	15:20	2	NNW
25/11/2013	10:50	2	ENE	25/11/2013	15:25	4	N
25/11/2013	10:55	4	E	25/11/2013	15:30	4	N
25/11/2013	11:00	4	E	25/11/2013	15:35	3	NW
25/11/2013	11:05	4	E	25/11/2013	15:40	4	N
25/11/2013	11:10	5	NE	25/11/2013	15:45	4	N
25/11/2013	11:15	4	ENE	25/11/2013	15:50	4	NNE
25/11/2013	11:20	5	E	25/11/2013	15:55	4	N
25/11/2013	11:25	5	ENE	25/11/2013	16:00	4	N
25/11/2013	11:30	2	ESE	25/11/2013	16:05	3	NNE
25/11/2013	11:35	5	E	25/11/2013	16:10	1	NE
25/11/2013	11:40	6	ENE	25/11/2013	16:15	1	SSW
25/11/2013	11:45	5	E	25/11/2013	16:20	1	WNW
25/11/2013	11:50	4	ESE	25/11/2013	16:25	3	NW
25/11/2013	11:55	3	NE	25/11/2013	16:30	3	NW
25/11/2013	12:00	3	ENE	25/11/2013	16:35	2	NW
25/11/2013	12:05	2	ESE	25/11/2013	16:40	2	NW
25/11/2013	12:10	2	E	25/11/2013	16:45	2	NNW
25/11/2013	12:15	4	ENE	25/11/2013	16:50	2	NW
25/11/2013	12:20	5	ENE	25/11/2013	16:55	1	NNW
25/11/2013	12:25	2	E	25/11/2013	17:00	2	WNW
25/11/2013	12:30	3	E	25/11/2013	17:05	0	N
25/11/2013	12:35	4	ENE	25/11/2013	17:10	1	S
25/11/2013	12:40	2	NE	25/11/2013	17:15	1	E
25/11/2013	12:45	3	ENE	25/11/2013	17:20	1	S
25/11/2013	12:50	2	ENE	25/11/2013	17:25	1	S
25/11/2013	12:55	4	NE	25/11/2013	17:30	1	S
25/11/2013	13:00	4	NNE	25/11/2013	17:35	2	S
25/11/2013	13:05	3	NNE	25/11/2013	17:40	3	S
25/11/2013	13:10	5	N	25/11/2013	17:45	1	SSW
25/11/2013	13:15	4	N	25/11/2013	17:50	1	SSW
25/11/2013	13:20	2	N	25/11/2013	17:55	1	SSW
25/11/2013	13:25	2	NNW	25/11/2013	18:00	1	SSW
25/11/2013	13:30	3	NE	25/11/2013	18:05	1	WSW
25/11/2013	13:35	3	NNE	25/11/2013	18:10	3	WNW
25/11/2013	13:40	4	NNE	25/11/2013	18:15	3	W
25/11/2013	13:45	6	NNE	25/11/2013	18:20	2	W
25/11/2013	13:50	5	NNE	25/11/2013	18:25	1	SSE
25/11/2013	13:55	3	N	25/11/2013	18:30	1	SSW
25/11/2013	14:00	2	NE	25/11/2013	18:35	0	---
25/11/2013	14:05	3	NNE	25/11/2013	18:40	0	---
25/11/2013	14:10	4	NNW	25/11/2013	18:45	0	---
25/11/2013	14:15	4	WNW	25/11/2013	18:50	0	---
25/11/2013	14:20	3	N	25/11/2013	18:55	0	---
25/11/2013	14:25	3	N	25/11/2013	19:00	0	---
25/11/2013	14:30	3	NNE	25/11/2013	19:05	0	---
25/11/2013	14:35	3	N	25/11/2013	19:10	0	---
25/11/2013	14:40	3	NE	25/11/2013	19:15	0	---
25/11/2013	14:45	2	ENE	25/11/2013	19:20	0	---
25/11/2013	14:50	4	NNE	25/11/2013	19:25	0	---
25/11/2013	14:55	2	NNE	25/11/2013	19:30	0	---
25/11/2013	15:00	3	NNW	25/11/2013	19:35	0	---
25/11/2013	15:05	5	N	25/11/2013	19:40	0	---
25/11/2013	15:10	4	N	25/11/2013	19:45	0	---
25/11/2013	15:15	3	NNW	25/11/2013	19:50	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
25/11/2013	19:55	0	---	26/11/2013	00:30	0	---
25/11/2013	20:00	0	SW	26/11/2013	00:35	0	---
25/11/2013	20:05	0	---	26/11/2013	00:40	0	---
25/11/2013	20:10	0	---	26/11/2013	00:45	0	---
25/11/2013	20:15	0	---	26/11/2013	00:50	0	---
25/11/2013	20:20	0	---	26/11/2013	00:55	0	---
25/11/2013	20:25	0	---	26/11/2013	01:00	0	---
25/11/2013	20:30	0	---	26/11/2013	01:05	0	---
25/11/2013	20:35	0	---	26/11/2013	01:10	0	---
25/11/2013	20:40	0	---	26/11/2013	01:15	0	---
25/11/2013	20:45	0	---	26/11/2013	01:20	0	---
25/11/2013	20:50	0	---	26/11/2013	01:25	0	---
25/11/2013	20:55	0	---	26/11/2013	01:30	0	---
25/11/2013	21:00	0	---	26/11/2013	01:35	0	---
25/11/2013	21:05	0	---	26/11/2013	01:40	0	---
25/11/2013	21:10	0	---	26/11/2013	01:45	0	---
25/11/2013	21:15	0	---	26/11/2013	01:50	0	---
25/11/2013	21:20	0	---	26/11/2013	01:55	0	---
25/11/2013	21:25	0	---	26/11/2013	02:00	0	---
25/11/2013	21:30	0	---	26/11/2013	02:05	0	---
25/11/2013	21:35	0	---	26/11/2013	02:10	0	---
25/11/2013	21:40	0	---	26/11/2013	02:15	0	---
25/11/2013	21:45	0	---	26/11/2013	02:20	1	S
25/11/2013	21:50	0	---	26/11/2013	02:25	1	S
25/11/2013	21:55	0	---	26/11/2013	02:30	0	---
25/11/2013	22:00	0	---	26/11/2013	02:35	1	SSW
25/11/2013	22:05	0	---	26/11/2013	02:40	1	SSW
25/11/2013	22:10	0	---	26/11/2013	02:45	2	SSW
25/11/2013	22:15	0	---	26/11/2013	02:50	1	S
25/11/2013	22:20	0	---	26/11/2013	02:55	0	---
25/11/2013	22:25	0	---	26/11/2013	03:00	0	---
25/11/2013	22:30	0	---	26/11/2013	03:05	0	S
25/11/2013	22:35	0	---	26/11/2013	03:10	3	S
25/11/2013	22:40	0	---	26/11/2013	03:15	2	S
25/11/2013	22:45	0	---	26/11/2013	03:20	3	S
25/11/2013	22:50	0	---	26/11/2013	03:25	2	S
25/11/2013	22:55	1	W	26/11/2013	03:30	2	S
25/11/2013	23:00	0	W	26/11/2013	03:35	2	SSW
25/11/2013	23:05	0	W	26/11/2013	03:40	2	SSW
25/11/2013	23:10	0	SSW	26/11/2013	03:45	3	SSW
25/11/2013	23:15	0	---	26/11/2013	03:50	3	SSW
25/11/2013	23:20	0	---	26/11/2013	03:55	2	SSW
25/11/2013	23:25	0	---	26/11/2013	04:00	2	SSW
25/11/2013	23:30	0	---	26/11/2013	04:05	2	SSW
25/11/2013	23:35	0	---	26/11/2013	04:10	3	SSW
25/11/2013	23:40	0	---	26/11/2013	04:15	3	SSW
25/11/2013	23:45	0	---	26/11/2013	04:20	2	SSW
25/11/2013	23:50	0	---	26/11/2013	04:25	1	SSW
25/11/2013	23:55	0	---	26/11/2013	04:30	1	SSW
26/11/2013	00:00	0	---	26/11/2013	04:35	1	S
26/11/2013	00:05	0	---	26/11/2013	04:40	0	SSW
26/11/2013	00:10	0	---	26/11/2013	04:45	2	SSW
26/11/2013	00:15	0	---	26/11/2013	04:50	2	SSW
26/11/2013	00:20	0	---	26/11/2013	04:55	0	---
26/11/2013	00:25	0	---	26/11/2013	05:00	1	SSW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
26/11/2013	05:05	2	SSW	26/11/2013	09:40	4	E
26/11/2013	05:10	2	S	26/11/2013	09:45	4	E
26/11/2013	05:15	3	S	26/11/2013	09:50	4	E
26/11/2013	05:20	3	S	26/11/2013	09:55	5	E
26/11/2013	05:25	2	S	26/11/2013	10:00	6	E
26/11/2013	05:30	3	S	26/11/2013	10:05	5	E
26/11/2013	05:35	0	SSW	26/11/2013	10:10	4	E
26/11/2013	05:40	1	S	26/11/2013	10:15	6	E
26/11/2013	05:45	2	S	26/11/2013	10:20	5	E
26/11/2013	05:50	1	SE	26/11/2013	10:25	3	SE
26/11/2013	05:55	0	S	26/11/2013	10:30	4	SE
26/11/2013	06:00	1	S	26/11/2013	10:35	6	SE
26/11/2013	06:05	0	S	26/11/2013	10:40	5	SE
26/11/2013	06:10	0	---	26/11/2013	10:45	5	SE
26/11/2013	06:15	0	---	26/11/2013	10:50	5	SE
26/11/2013	06:20	0	---	26/11/2013	10:55	5	ESE
26/11/2013	06:25	0	---	26/11/2013	11:00	5	ESE
26/11/2013	06:30	0	---	26/11/2013	11:05	6	SSE
26/11/2013	06:35	0	---	26/11/2013	11:10	6	SSE
26/11/2013	06:40	0	---	26/11/2013	11:15	5	SSE
26/11/2013	06:45	0	---	26/11/2013	11:20	5	SSE
26/11/2013	06:50	1	SSE	26/11/2013	11:25	6	SE
26/11/2013	06:55	2	S	26/11/2013	11:30	4	SSE
26/11/2013	07:00	2	SSW	26/11/2013	11:35	6	SSE
26/11/2013	07:05	3	S	26/11/2013	11:40	5	SSE
26/11/2013	07:10	2	SSW	26/11/2013	11:45	5	SSE
26/11/2013	07:15	1	S	26/11/2013	11:50	8	SSE
26/11/2013	07:20	1	S	26/11/2013	11:55	4	SSE
26/11/2013	07:25	1	S	26/11/2013	12:00	6	SSE
26/11/2013	07:30	1	SSW	26/11/2013	12:05	5	SE
26/11/2013	07:35	0	---	26/11/2013	12:10	5	SSE
26/11/2013	07:40	0	S	26/11/2013	12:15	5	S
26/11/2013	07:45	2	S	26/11/2013	12:20	5	S
26/11/2013	07:50	2	SSE	26/11/2013	12:25	6	SSE
26/11/2013	07:55	2	SSE	26/11/2013	12:30	6	SSE
26/11/2013	08:00	3	SSE	26/11/2013	12:35	7	SE
26/11/2013	08:05	1	S	26/11/2013	12:40	8	SSE
26/11/2013	08:10	2	SSE	26/11/2013	12:45	7	SE
26/11/2013	08:15	2	SSE	26/11/2013	12:50	5	ESE
26/11/2013	08:20	2	SSE	26/11/2013	12:55	8	ESE
26/11/2013	08:25	2	SSW	26/11/2013	13:00	8	SE
26/11/2013	08:30	2	S	26/11/2013	13:05	8	SE
26/11/2013	08:35	2	SSE	26/11/2013	13:10	6	SE
26/11/2013	08:40	2	SE	26/11/2013	13:15	6	SE
26/11/2013	08:45	2	SE	26/11/2013	13:20	7	SE
26/11/2013	08:50	2	SE	26/11/2013	13:25	7	SE
26/11/2013	08:55	3	SE	26/11/2013	13:30	7	SE
26/11/2013	09:00	3	S	26/11/2013	13:35	6	ESE
26/11/2013	09:05	3	SE	26/11/2013	13:40	5	SE
26/11/2013	09:10	2	ESE	26/11/2013	13:45	4	ESE
26/11/2013	09:15	4	SE	26/11/2013	13:50	4	ESE
26/11/2013	09:20	3	ESE	26/11/2013	13:55	5	ESE
26/11/2013	09:25	4	ESE	26/11/2013	14:00	5	ESE
26/11/2013	09:30	3	SE	26/11/2013	14:05	3	ENE
26/11/2013	09:35	3	SE	26/11/2013	14:10	3	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
26/11/2013	14:15	3	ENE	26/11/2013	18:50	5	SE
26/11/2013	14:20	4	NNE	26/11/2013	18:55	5	SSE
26/11/2013	14:25	8	NNW	26/11/2013	19:00	4	SE
26/11/2013	14:30	6	NW	26/11/2013	19:05	3	ESE
26/11/2013	14:35	3	NNW	26/11/2013	19:10	4	ESE
26/11/2013	14:40	4	N	26/11/2013	19:15	3	SE
26/11/2013	14:45	3	NW	26/11/2013	19:20	2	SE
26/11/2013	14:50	3	NNW	26/11/2013	19:25	4	SSE
26/11/2013	14:55	2	WNW	26/11/2013	19:30	3	ESE
26/11/2013	15:00	2	NW	26/11/2013	19:35	4	ESE
26/11/2013	15:05	1	NNW	26/11/2013	19:40	5	ESE
26/11/2013	15:10	2	NE	26/11/2013	19:45	4	SSE
26/11/2013	15:15	1	NE	26/11/2013	19:50	2	E
26/11/2013	15:20	2	SE	26/11/2013	19:55	3	NE
26/11/2013	15:25	4	SSE	26/11/2013	20:00	0	ESE
26/11/2013	15:30	3	SE	26/11/2013	20:05	1	SSW
26/11/2013	15:35	2	SE	26/11/2013	20:10	2	ESE
26/11/2013	15:40	2	SE	26/11/2013	20:15	5	NE
26/11/2013	15:45	2	SSE	26/11/2013	20:20	3	NNE
26/11/2013	15:50	3	SSE	26/11/2013	20:25	2	E
26/11/2013	15:55	2	E	26/11/2013	20:30	3	ENE
26/11/2013	16:00	2	SSE	26/11/2013	20:35	1	ESE
26/11/2013	16:05	2	E	26/11/2013	20:40	1	E
26/11/2013	16:10	3	NW	26/11/2013	20:45	3	ENE
26/11/2013	16:15	3	ESE	26/11/2013	20:50	4	NE
26/11/2013	16:20	2	ESE	26/11/2013	20:55	4	NE
26/11/2013	16:25	3	ENE	26/11/2013	21:00	2	NE
26/11/2013	16:30	2	E	26/11/2013	21:05	2	ENE
26/11/2013	16:35	3	SSE	26/11/2013	21:10	4	ENE
26/11/2013	16:40	8	SSE	26/11/2013	21:15	3	NNW
26/11/2013	16:45	9	SSE	26/11/2013	21:20	2	NE
26/11/2013	16:50	6	SSE	26/11/2013	21:25	2	NE
26/11/2013	16:55	8	SE	26/11/2013	21:30	4	NE
26/11/2013	17:00	9	SE	26/11/2013	21:35	3	NE
26/11/2013	17:05	8	SE	26/11/2013	21:40	3	NNE
26/11/2013	17:10	9	SE	26/11/2013	21:45	3	N
26/11/2013	17:15	6	SE	26/11/2013	21:50	2	E
26/11/2013	17:20	5	SSE	26/11/2013	21:55	2	E
26/11/2013	17:25	5	ENE	26/11/2013	22:00	3	E
26/11/2013	17:30	4	E	26/11/2013	22:05	3	ENE
26/11/2013	17:35	4	E	26/11/2013	22:10	3	NNE
26/11/2013	17:40	3	ESE	26/11/2013	22:15	4	NE
26/11/2013	17:45	4	ESE	26/11/2013	22:20	3	E
26/11/2013	17:50	4	ESE	26/11/2013	22:25	4	NE
26/11/2013	17:55	3	ESE	26/11/2013	22:30	3	ENE
26/11/2013	18:00	5	ESE	26/11/2013	22:35	5	N
26/11/2013	18:05	6	ESE	26/11/2013	22:40	3	NE
26/11/2013	18:10	5	SE	26/11/2013	22:45	5	NNW
26/11/2013	18:15	6	SE	26/11/2013	22:50	4	N
26/11/2013	18:20	5	SSE	26/11/2013	22:55	0	NNW
26/11/2013	18:25	4	SE	26/11/2013	23:00	3	SE
26/11/2013	18:30	5	SSE	26/11/2013	23:05	2	NE
26/11/2013	18:35	6	ESE	26/11/2013	23:10	0	ENE
26/11/2013	18:40	7	SE	26/11/2013	23:15	2	NE
26/11/2013	18:45	3	SE	26/11/2013	23:20	2	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
26/11/2013	23:25	0	---	27/11/2013	04:00	6	SE
26/11/2013	23:30	1	NE	27/11/2013	04:05	6	SE
26/11/2013	23:35	1	SE	27/11/2013	04:10	5	SE
26/11/2013	23:40	2	SSE	27/11/2013	04:15	5	ESE
26/11/2013	23:45	2	E	27/11/2013	04:20	3	SE
26/11/2013	23:50	3	SSE	27/11/2013	04:25	5	SE
26/11/2013	23:55	2	ESE	27/11/2013	04:30	4	SE
27/11/2013	00:00	3	SE	27/11/2013	04:35	4	SE
27/11/2013	00:05	5	SE	27/11/2013	04:40	6	SE
27/11/2013	00:10	6	SE	27/11/2013	04:45	7	SE
27/11/2013	00:15	6	SE	27/11/2013	04:50	8	SE
27/11/2013	00:20	4	SE	27/11/2013	04:55	4	SE
27/11/2013	00:25	3	SSE	27/11/2013	05:00	5	SSE
27/11/2013	00:30	5	SSE	27/11/2013	05:05	4	ESE
27/11/2013	00:35	5	SE	27/11/2013	05:10	2	E
27/11/2013	00:40	2	SSE	27/11/2013	05:15	1	SE
27/11/2013	00:45	3	ENE	27/11/2013	05:20	2	SSE
27/11/2013	00:50	3	W	27/11/2013	05:25	1	ESE
27/11/2013	00:55	4	SE	27/11/2013	05:30	2	S
27/11/2013	01:00	4	SSE	27/11/2013	05:35	8	ESE
27/11/2013	01:05	4	SSE	27/11/2013	05:40	9	SE
27/11/2013	01:10	6	SE	27/11/2013	05:45	8	SE
27/11/2013	01:15	4	NNE	27/11/2013	05:50	10	SE
27/11/2013	01:20	2	ENE	27/11/2013	05:55	10	SE
27/11/2013	01:25	3	ESE	27/11/2013	06:00	10	SE
27/11/2013	01:30	3	SSE	27/11/2013	06:05	10	SE
27/11/2013	01:35	4	S	27/11/2013	06:10	10	SE
27/11/2013	01:40	3	ESE	27/11/2013	06:15	9	SE
27/11/2013	01:45	5	SE	27/11/2013	06:20	11	SE
27/11/2013	01:50	4	SE	27/11/2013	06:25	10	SE
27/11/2013	01:55	6	SE	27/11/2013	06:30	11	SE
27/11/2013	02:00	4	SSE	27/11/2013	06:35	11	SE
27/11/2013	02:05	5	SE	27/11/2013	06:40	8	SE
27/11/2013	02:10	4	SSE	27/11/2013	06:45	7	ESE
27/11/2013	02:15	5	SSE	27/11/2013	06:50	7	ESE
27/11/2013	02:20	3	SSE	27/11/2013	06:55	12	SE
27/11/2013	02:25	5	SSE	27/11/2013	07:00	11	SE
27/11/2013	02:30	4	SE	27/11/2013	07:05	7	SE
27/11/2013	02:35	4	ESE	27/11/2013	07:10	6	SE
27/11/2013	02:40	4	SE	27/11/2013	07:15	7	SE
27/11/2013	02:45	2	SSE	27/11/2013	07:20	4	SSE
27/11/2013	02:50	3	SSE	27/11/2013	07:25	5	SSE
27/11/2013	02:55	7	ESE	27/11/2013	07:30	5	SE
27/11/2013	03:00	7	SE	27/11/2013	07:35	3	E
27/11/2013	03:05	6	SE	27/11/2013	07:40	2	E
27/11/2013	03:10	6	SE	27/11/2013	07:45	3	SE
27/11/2013	03:15	5	ESE	27/11/2013	07:50	6	SSE
27/11/2013	03:20	5	ESE	27/11/2013	07:55	5	SSE
27/11/2013	03:25	4	ESE	27/11/2013	08:00	4	SE
27/11/2013	03:30	5	SE	27/11/2013	08:05	4	SE
27/11/2013	03:35	7	SE	27/11/2013	08:10	4	SSE
27/11/2013	03:40	7	SE	27/11/2013	08:15	8	SE
27/11/2013	03:45	7	SE	27/11/2013	08:20	6	SE
27/11/2013	03:50	6	ESE	27/11/2013	08:25	7	SE
27/11/2013	03:55	6	SE	27/11/2013	08:30	5	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
27/11/2013	08:35	6	SE	27/11/2013	13:10	6	N
27/11/2013	08:40	6	ESE	27/11/2013	13:15	4	N
27/11/2013	08:45	3	SE	27/11/2013	13:20	3	NNW
27/11/2013	08:50	3	ESE	27/11/2013	13:25	6	N
27/11/2013	08:55	3	SSE	27/11/2013	13:30	4	N
27/11/2013	09:00	1	SSE	27/11/2013	13:35	5	N
27/11/2013	09:05	3	SSE	27/11/2013	13:40	5	NNW
27/11/2013	09:10	6	SE	27/11/2013	13:45	7	N
27/11/2013	09:15	6	SE	27/11/2013	13:50	6	N
27/11/2013	09:20	6	SE	27/11/2013	13:55	7	NNE
27/11/2013	09:25	2	SSE	27/11/2013	14:00	8	N
27/11/2013	09:30	3	SSE	27/11/2013	14:05	9	NNE
27/11/2013	09:35	5	E	27/11/2013	14:10	8	N
27/11/2013	09:40	3	E	27/11/2013	14:15	9	NNE
27/11/2013	09:45	3	E	27/11/2013	14:20	7	NNE
27/11/2013	09:50	6	ESE	27/11/2013	14:25	7	NNE
27/11/2013	09:55	6	ESE	27/11/2013	14:30	7	N
27/11/2013	10:00	6	ESE	27/11/2013	14:35	8	N
27/11/2013	10:05	6	ESE	27/11/2013	14:40	9	NNW
27/11/2013	10:10	5	ESE	27/11/2013	14:45	9	NNW
27/11/2013	10:15	6	SE	27/11/2013	14:50	10	N
27/11/2013	10:20	6	SE	27/11/2013	14:55	8	NNW
27/11/2013	10:25	7	SE	27/11/2013	15:00	7	N
27/11/2013	10:30	7	SE	27/11/2013	15:05	8	NNW
27/11/2013	10:35	6	SE	27/11/2013	15:10	9	N
27/11/2013	10:40	5	SE	27/11/2013	15:15	7	N
27/11/2013	10:45	6	SE	27/11/2013	15:20	7	N
27/11/2013	10:50	7	SE	27/11/2013	15:25	6	NNE
27/11/2013	10:55	5	E	27/11/2013	15:30	5	NNE
27/11/2013	11:00	6	E	27/11/2013	15:35	8	NNE
27/11/2013	11:05	6	E	27/11/2013	15:40	7	N
27/11/2013	11:10	5	E	27/11/2013	15:45	8	N
27/11/2013	11:15	4	SE	27/11/2013	15:50	8	N
27/11/2013	11:20	4	E	27/11/2013	15:55	9	N
27/11/2013	11:25	2	SE	27/11/2013	16:00	8	N
27/11/2013	11:30	5	E	27/11/2013	16:05	7	N
27/11/2013	11:35	5	E	27/11/2013	16:10	7	N
27/11/2013	11:40	4	E	27/11/2013	16:15	7	NNE
27/11/2013	11:45	3	NE	27/11/2013	16:20	8	N
27/11/2013	11:50	3	NE	27/11/2013	16:25	8	N
27/11/2013	11:55	6	NNW	27/11/2013	16:30	8	NNE
27/11/2013	12:00	8	NNW	27/11/2013	16:35	8	NNE
27/11/2013	12:05	6	NNW	27/11/2013	16:40	7	NNE
27/11/2013	12:10	5	NNW	27/11/2013	16:45	8	NNE
27/11/2013	12:15	5	N	27/11/2013	16:50	6	NNE
27/11/2013	12:20	5	N	27/11/2013	16:55	7	NNE
27/11/2013	12:25	5	NW	27/11/2013	17:00	8	N
27/11/2013	12:30	4	NW	27/11/2013	17:05	6	NNE
27/11/2013	12:35	4	NW	27/11/2013	17:10	4	NNE
27/11/2013	12:40	5	NW	27/11/2013	17:15	5	NE
27/11/2013	12:45	6	NW	27/11/2013	17:20	5	NNE
27/11/2013	12:50	6	NW	27/11/2013	17:25	6	NNE
27/11/2013	12:55	6	NW	27/11/2013	17:30	7	NNE
27/11/2013	13:00	6	NNW	27/11/2013	17:35	6	NNE
27/11/2013	13:05	7	NNW	27/11/2013	17:40	7	NNE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
27/11/2013	17:45	5	NNE	27/11/2013	22:20	8	E
27/11/2013	17:50	7	NNE	27/11/2013	22:25	7	ESE
27/11/2013	17:55	5	NE	27/11/2013	22:30	7	E
27/11/2013	18:00	6	NNE	27/11/2013	22:35	8	ESE
27/11/2013	18:05	4	NE	27/11/2013	22:40	4	SSE
27/11/2013	18:10	6	NE	27/11/2013	22:45	5	ESE
27/11/2013	18:15	4	ENE	27/11/2013	22:50	5	ESE
27/11/2013	18:20	3	NNE	27/11/2013	22:55	5	ESE
27/11/2013	18:25	5	ENE	27/11/2013	23:00	3	S
27/11/2013	18:30	4	NE	27/11/2013	23:05	2	SE
27/11/2013	18:35	5	NE	27/11/2013	23:10	3	SE
27/11/2013	18:40	5	ENE	27/11/2013	23:15	3	ESE
27/11/2013	18:45	4	NE	27/11/2013	23:20	4	E
27/11/2013	18:50	5	NE	27/11/2013	23:25	7	ESE
27/11/2013	18:55	6	NE	27/11/2013	23:30	6	ESE
27/11/2013	19:00	6	ENE	27/11/2013	23:35	6	ESE
27/11/2013	19:05	6	ENE	27/11/2013	23:40	7	ESE
27/11/2013	19:10	5	E	27/11/2013	23:45	5	ENE
27/11/2013	19:15	5	ENE	27/11/2013	23:50	6	NE
27/11/2013	19:20	5	ENE	27/11/2013	23:55	4	ENE
27/11/2013	19:25	7	ENE	28/11/2013	00:00	5	E
27/11/2013	19:30	6	ENE	28/11/2013	00:05	6	E
27/11/2013	19:35	7	ENE	28/11/2013	00:10	4	ESE
27/11/2013	19:40	8	ENE	28/11/2013	00:15	5	NE
27/11/2013	19:45	9	ENE	28/11/2013	00:20	3	ESE
27/11/2013	19:50	7	ENE	28/11/2013	00:25	7	ESE
27/11/2013	19:55	4	ENE	28/11/2013	00:30	4	ENE
27/11/2013	20:00	4	NE	28/11/2013	00:35	6	ENE
27/11/2013	20:05	6	ENE	28/11/2013	00:40	4	ENE
27/11/2013	20:10	6	E	28/11/2013	00:45	6	ENE
27/11/2013	20:15	5	ENE	28/11/2013	00:50	6	ENE
27/11/2013	20:20	5	ENE	28/11/2013	00:55	7	ENE
27/11/2013	20:25	7	NE	28/11/2013	01:00	5	ENE
27/11/2013	20:30	5	ENE	28/11/2013	01:05	7	ENE
27/11/2013	20:35	6	E	28/11/2013	01:10	5	SSE
27/11/2013	20:40	6	E	28/11/2013	01:15	5	SSE
27/11/2013	20:45	5	E	28/11/2013	01:20	6	E
27/11/2013	20:50	6	SE	28/11/2013	01:25	6	ESE
27/11/2013	20:55	6	ESE	28/11/2013	01:30	6	ENE
27/11/2013	21:00	3	SSE	28/11/2013	01:35	7	E
27/11/2013	21:05	4	SE	28/11/2013	01:40	7	ENE
27/11/2013	21:10	3	SSE	28/11/2013	01:45	6	E
27/11/2013	21:15	4	SE	28/11/2013	01:50	7	E
27/11/2013	21:20	4	SSE	28/11/2013	01:55	6	E
27/11/2013	21:25	5	SSE	28/11/2013	02:00	7	E
27/11/2013	21:30	9	E	28/11/2013	02:05	6	ESE
27/11/2013	21:35	7	E	28/11/2013	02:10	7	E
27/11/2013	21:40	7	E	28/11/2013	02:15	7	ESE
27/11/2013	21:45	7	ENE	28/11/2013	02:20	8	ESE
27/11/2013	21:50	8	ENE	28/11/2013	02:25	7	ESE
27/11/2013	21:55	7	E	28/11/2013	02:30	7	E
27/11/2013	22:00	7	E	28/11/2013	02:35	9	E
27/11/2013	22:05	7	E	28/11/2013	02:40	7	SE
27/11/2013	22:10	9	E	28/11/2013	02:45	10	E
27/11/2013	22:15	8	ESE	28/11/2013	02:50	3	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
28/11/2013	02:55	5	ENE	28/11/2013	07:30	7	SE
28/11/2013	03:00	6	ENE	28/11/2013	07:35	5	SE
28/11/2013	03:05	7	ENE	28/11/2013	07:40	6	SSE
28/11/2013	03:10	6	ENE	28/11/2013	07:45	3	SSE
28/11/2013	03:15	7	NE	28/11/2013	07:50	4	SE
28/11/2013	03:20	7	E	28/11/2013	07:55	2	SSE
28/11/2013	03:25	8	E	28/11/2013	08:00	2	SSE
28/11/2013	03:30	8	ENE	28/11/2013	08:05	4	SSE
28/11/2013	03:35	7	SE	28/11/2013	08:10	3	E
28/11/2013	03:40	7	SE	28/11/2013	08:15	4	ENE
28/11/2013	03:45	5	SSE	28/11/2013	08:20	6	E
28/11/2013	03:50	5	SE	28/11/2013	08:25	5	E
28/11/2013	03:55	3	E	28/11/2013	08:30	3	ENE
28/11/2013	04:00	5	E	28/11/2013	08:35	1	SE
28/11/2013	04:05	6	ENE	28/11/2013	08:40	1	SSW
28/11/2013	04:10	8	E	28/11/2013	08:45	0	---
28/11/2013	04:15	7	SE	28/11/2013	08:50	2	S
28/11/2013	04:20	7	ESE	28/11/2013	08:55	3	SSE
28/11/2013	04:25	5	E	28/11/2013	09:00	1	SSE
28/11/2013	04:30	3	SE	28/11/2013	09:05	3	SSE
28/11/2013	04:35	6	SSE	28/11/2013	09:10	4	SSE
28/11/2013	04:40	4	SE	28/11/2013	09:15	6	SSE
28/11/2013	04:45	4	SSE	28/11/2013	09:20	6	SSE
28/11/2013	04:50	3	SSE	28/11/2013	09:25	6	SSE
28/11/2013	04:55	3	SSE	28/11/2013	09:30	5	SSE
28/11/2013	05:00	5	SE	28/11/2013	09:35	5	SSE
28/11/2013	05:05	4	E	28/11/2013	09:40	4	SSE
28/11/2013	05:10	4	E	28/11/2013	09:45	5	SSE
28/11/2013	05:15	6	ENE	28/11/2013	09:50	4	SSE
28/11/2013	05:20	6	ENE	28/11/2013	09:55	2	SSE
28/11/2013	05:25	4	ENE	28/11/2013	10:00	2	SSW
28/11/2013	05:30	4	E	28/11/2013	10:05	1	SSW
28/11/2013	05:35	6	E	28/11/2013	10:10	1	SSW
28/11/2013	05:40	4	SSE	28/11/2013	10:15	3	NNW
28/11/2013	05:45	5	SSE	28/11/2013	10:20	1	NNE
28/11/2013	05:50	6	SSE	28/11/2013	10:25	0	---
28/11/2013	05:55	5	SSE	28/11/2013	10:30	0	---
28/11/2013	06:00	3	SSE	28/11/2013	10:35	0	---
28/11/2013	06:05	4	SE	28/11/2013	10:40	0	---
28/11/2013	06:10	1	NNE	28/11/2013	10:45	1	ENE
28/11/2013	06:15	2	E	28/11/2013	10:50	1	ENE
28/11/2013	06:20	3	NNW	28/11/2013	10:55	1	N
28/11/2013	06:25	4	E	28/11/2013	11:00	0	N
28/11/2013	06:30	4	NNE	28/11/2013	11:05	2	ENE
28/11/2013	06:35	2	SSE	28/11/2013	11:10	2	E
28/11/2013	06:40	3	ESE	28/11/2013	11:15	3	NE
28/11/2013	06:45	2	NNE	28/11/2013	11:20	2	ENE
28/11/2013	06:50	4	E	28/11/2013	11:25	1	ESE
28/11/2013	06:55	6	E	28/11/2013	11:30	1	SW
28/11/2013	07:00	3	ENE	28/11/2013	11:35	1	SW
28/11/2013	07:05	2	SSE	28/11/2013	11:40	0	---
28/11/2013	07:10	4	SSE	28/11/2013	11:45	0	---
28/11/2013	07:15	3	SE	28/11/2013	11:50	0	---
28/11/2013	07:20	6	E	28/11/2013	11:55	0	---
28/11/2013	07:25	7	SE	28/11/2013	12:00	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
28/11/2013	12:05	0	---	28/11/2013	16:40	4	ESE
28/11/2013	12:10	0	NE	28/11/2013	16:45	5	SSE
28/11/2013	12:15	2	ENE	28/11/2013	16:50	6	SE
28/11/2013	12:20	3	ESE	28/11/2013	16:55	6	SE
28/11/2013	12:25	3	ESE	28/11/2013	17:00	4	SE
28/11/2013	12:30	2	ESE	28/11/2013	17:05	5	SE
28/11/2013	12:35	2	S	28/11/2013	17:10	7	SE
28/11/2013	12:40	4	E	28/11/2013	17:15	7	SE
28/11/2013	12:45	5	E	28/11/2013	17:20	7	SE
28/11/2013	12:50	4	E	28/11/2013	17:25	6	SE
28/11/2013	12:55	5	E	28/11/2013	17:30	6	SE
28/11/2013	13:00	7	ESE	28/11/2013	17:35	5	E
28/11/2013	13:05	4	SE	28/11/2013	17:40	7	SE
28/11/2013	13:10	4	ESE	28/11/2013	17:45	6	SE
28/11/2013	13:15	5	SE	28/11/2013	17:50	7	SE
28/11/2013	13:20	5	E	28/11/2013	17:55	8	SE
28/11/2013	13:25	7	E	28/11/2013	18:00	6	SE
28/11/2013	13:30	6	ESE	28/11/2013	18:05	7	SE
28/11/2013	13:35	7	ESE	28/11/2013	18:10	7	SE
28/11/2013	13:40	7	E	28/11/2013	18:15	6	SE
28/11/2013	13:45	6	E	28/11/2013	18:20	6	SE
28/11/2013	13:50	5	E	28/11/2013	18:25	7	SE
28/11/2013	13:55	7	E	28/11/2013	18:30	7	SSE
28/11/2013	14:00	6	E	28/11/2013	18:35	7	SE
28/11/2013	14:05	8	ESE	28/11/2013	18:40	5	SSE
28/11/2013	14:10	6	ESE	28/11/2013	18:45	6	SE
28/11/2013	14:15	5	SE	28/11/2013	18:50	6	SE
28/11/2013	14:20	6	SE	28/11/2013	18:55	5	SE
28/11/2013	14:25	6	SE	28/11/2013	19:00	5	SSE
28/11/2013	14:30	3	ESE	28/11/2013	19:05	6	SE
28/11/2013	14:35	6	SE	28/11/2013	19:10	8	SE
28/11/2013	14:40	7	ESE	28/11/2013	19:15	7	SSE
28/11/2013	14:45	7	ESE	28/11/2013	19:20	7	SSE
28/11/2013	14:50	5	SE	28/11/2013	19:25	7	SE
28/11/2013	14:55	6	ESE	28/11/2013	19:30	5	SE
28/11/2013	15:00	6	SE	28/11/2013	19:35	7	SE
28/11/2013	15:05	6	SE	28/11/2013	19:40	5	SE
28/11/2013	15:10	5	E	28/11/2013	19:45	7	SE
28/11/2013	15:15	6	E	28/11/2013	19:50	9	SE
28/11/2013	15:20	5	E	28/11/2013	19:55	6	ESE
28/11/2013	15:25	7	E	28/11/2013	20:00	10	SE
28/11/2013	15:30	6	SE	28/11/2013	20:05	8	ESE
28/11/2013	15:35	7	SE	28/11/2013	20:10	7	SE
28/11/2013	15:40	8	SE	28/11/2013	20:15	8	SE
28/11/2013	15:45	6	SE	28/11/2013	20:20	6	ESE
28/11/2013	15:50	7	SE	28/11/2013	20:25	6	SSE
28/11/2013	15:55	5	SE	28/11/2013	20:30	7	SE
28/11/2013	16:00	4	ESE	28/11/2013	20:35	6	SE
28/11/2013	16:05	5	SE	28/11/2013	20:40	6	SE
28/11/2013	16:10	6	ESE	28/11/2013	20:45	7	SE
28/11/2013	16:15	5	ESE	28/11/2013	20:50	6	SE
28/11/2013	16:20	5	E	28/11/2013	20:55	8	SE
28/11/2013	16:25	4	E	28/11/2013	21:00	8	ESE
28/11/2013	16:30	4	E	28/11/2013	21:05	7	ESE
28/11/2013	16:35	4	ESE	28/11/2013	21:10	8	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
28/11/2013	21:15	8	SE	29/11/2013	01:50	7	SSE
28/11/2013	21:20	9	ESE	29/11/2013	01:55	5	SSE
28/11/2013	21:25	7	SE	29/11/2013	02:00	5	SE
28/11/2013	21:30	8	ESE	29/11/2013	02:05	6	SSE
28/11/2013	21:35	6	SE	29/11/2013	02:10	6	SSE
28/11/2013	21:40	6	SSE	29/11/2013	02:15	4	SSE
28/11/2013	21:45	7	SE	29/11/2013	02:20	5	SSE
28/11/2013	21:50	6	SE	29/11/2013	02:25	4	SE
28/11/2013	21:55	7	SE	29/11/2013	02:30	5	SSE
28/11/2013	22:00	7	SE	29/11/2013	02:35	5	SE
28/11/2013	22:05	6	SE	29/11/2013	02:40	5	SSE
28/11/2013	22:10	5	SE	29/11/2013	02:45	4	SSE
28/11/2013	22:15	8	ESE	29/11/2013	02:50	7	SE
28/11/2013	22:20	8	SSE	29/11/2013	02:55	4	SE
28/11/2013	22:25	6	SE	29/11/2013	03:00	4	SE
28/11/2013	22:30	8	SE	29/11/2013	03:05	5	SSE
28/11/2013	22:35	5	SE	29/11/2013	03:10	4	ESE
28/11/2013	22:40	5	ESE	29/11/2013	03:15	6	SE
28/11/2013	22:45	5	SSE	29/11/2013	03:20	4	SSE
28/11/2013	22:50	5	SE	29/11/2013	03:25	6	SE
28/11/2013	22:55	7	ESE	29/11/2013	03:30	4	SSE
28/11/2013	23:00	6	SE	29/11/2013	03:35	4	SE
28/11/2013	23:05	5	SSE	29/11/2013	03:40	6	SE
28/11/2013	23:10	4	SSE	29/11/2013	03:45	6	E
28/11/2013	23:15	6	SE	29/11/2013	03:50	5	SSE
28/11/2013	23:20	6	SSE	29/11/2013	03:55	4	SE
28/11/2013	23:25	5	SE	29/11/2013	04:00	3	ESE
28/11/2013	23:30	4	SSE	29/11/2013	04:05	4	SSE
28/11/2013	23:35	5	SSE	29/11/2013	04:10	5	SSE
28/11/2013	23:40	5	SE	29/11/2013	04:15	4	SSE
28/11/2013	23:45	4	ESE	29/11/2013	04:20	4	E
28/11/2013	23:50	4	SSE	29/11/2013	04:25	5	SSE
28/11/2013	23:55	4	SE	29/11/2013	04:30	3	SSE
29/11/2013	00:00	4	SSE	29/11/2013	04:35	4	SSE
29/11/2013	00:05	3	SE	29/11/2013	04:40	4	SSE
29/11/2013	00:10	4	SSE	29/11/2013	04:45	4	SE
29/11/2013	00:15	3	SSE	29/11/2013	04:50	4	SE
29/11/2013	00:20	4	SE	29/11/2013	04:55	6	SE
29/11/2013	00:25	6	ESE	29/11/2013	05:00	6	SSE
29/11/2013	00:30	6	SSE	29/11/2013	05:05	6	SSE
29/11/2013	00:35	5	SSE	29/11/2013	05:10	7	SE
29/11/2013	00:40	5	SE	29/11/2013	05:15	7	SE
29/11/2013	00:45	3	ESE	29/11/2013	05:20	7	SE
29/11/2013	00:50	3	SE	29/11/2013	05:25	8	SE
29/11/2013	00:55	4	SSE	29/11/2013	05:30	9	SE
29/11/2013	01:00	4	SSE	29/11/2013	05:35	7	ESE
29/11/2013	01:05	5	SSE	29/11/2013	05:40	9	SSE
29/11/2013	01:10	4	SE	29/11/2013	05:45	7	SSE
29/11/2013	01:15	5	SE	29/11/2013	05:50	7	SE
29/11/2013	01:20	5	SE	29/11/2013	05:55	7	SE
29/11/2013	01:25	6	SE	29/11/2013	06:00	6	ESE
29/11/2013	01:30	7	SE	29/11/2013	06:05	7	SE
29/11/2013	01:35	6	ESE	29/11/2013	06:10	7	SSE
29/11/2013	01:40	6	ESE	29/11/2013	06:15	7	SE
29/11/2013	01:45	5	SE	29/11/2013	06:20	5	SSE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
29/11/2013	06:25	6	SE	29/11/2013	11:00	8	E
29/11/2013	06:30	7	SSE	29/11/2013	11:05	9	ESE
29/11/2013	06:35	6	SE	29/11/2013	11:10	8	SE
29/11/2013	06:40	8	SSE	29/11/2013	11:15	8	E
29/11/2013	06:45	6	SE	29/11/2013	11:20	7	E
29/11/2013	06:50	9	SE	29/11/2013	11:25	7	E
29/11/2013	06:55	8	SE	29/11/2013	11:30	6	E
29/11/2013	07:00	8	SE	29/11/2013	11:35	7	ENE
29/11/2013	07:05	9	SE	29/11/2013	11:40	8	ENE
29/11/2013	07:10	8	SE	29/11/2013	11:45	8	E
29/11/2013	07:15	8	SE	29/11/2013	11:50	4	E
29/11/2013	07:20	7	SE	29/11/2013	11:55	6	ENE
29/11/2013	07:25	7	SE	29/11/2013	12:00	6	E
29/11/2013	07:30	8	SE	29/11/2013	12:05	7	E
29/11/2013	07:35	7	SE	29/11/2013	12:10	7	E
29/11/2013	07:40	8	SE	29/11/2013	12:15	6	ENE
29/11/2013	07:45	7	SE	29/11/2013	12:20	6	ENE
29/11/2013	07:50	7	ESE	29/11/2013	12:25	6	E
29/11/2013	07:55	7	SSE	29/11/2013	12:30	6	E
29/11/2013	08:00	7	SE	29/11/2013	12:35	7	E
29/11/2013	08:05	7	SE	29/11/2013	12:40	5	E
29/11/2013	08:10	5	ESE	29/11/2013	12:45	6	NE
29/11/2013	08:15	5	SE	29/11/2013	12:50	6	E
29/11/2013	08:20	5	SE	29/11/2013	12:55	6	E
29/11/2013	08:25	5	ESE	29/11/2013	13:00	6	E
29/11/2013	08:30	5	SE	29/11/2013	13:05	5	E
29/11/2013	08:35	5	SSE	29/11/2013	13:10	5	ESE
29/11/2013	08:40	6	SE	29/11/2013	13:15	7	E
29/11/2013	08:45	5	SE	29/11/2013	13:20	6	E
29/11/2013	08:50	7	SSE	29/11/2013	13:25	5	E
29/11/2013	08:55	8	SSE	29/11/2013	13:30	5	E
29/11/2013	09:00	6	SE	29/11/2013	13:35	7	E
29/11/2013	09:05	3	SE	29/11/2013	13:40	7	E
29/11/2013	09:10	6	SE	29/11/2013	13:45	6	E
29/11/2013	09:15	5	SE	29/11/2013	13:50	7	E
29/11/2013	09:20	6	SSE	29/11/2013	13:55	6	E
29/11/2013	09:25	5	SE	29/11/2013	14:00	6	E
29/11/2013	09:30	8	SE	29/11/2013	14:05	5	E
29/11/2013	09:35	6	SE	29/11/2013	14:10	4	E
29/11/2013	09:40	7	ESE	29/11/2013	14:15	5	SE
29/11/2013	09:45	6	SE	29/11/2013	14:20	6	SE
29/11/2013	09:50	6	E	29/11/2013	14:25	4	E
29/11/2013	09:55	6	E	29/11/2013	14:30	6	ESE
29/11/2013	10:00	6	SE	29/11/2013	14:35	4	E
29/11/2013	10:05	7	SE	29/11/2013	14:40	4	ESE
29/11/2013	10:10	7	ESE	29/11/2013	14:45	4	E
29/11/2013	10:15	7	ESE	29/11/2013	14:50	3	ESE
29/11/2013	10:20	7	SE	29/11/2013	14:55	2	SSE
29/11/2013	10:25	7	SE	29/11/2013	15:00	3	E
29/11/2013	10:30	8	SE	29/11/2013	15:05	2	E
29/11/2013	10:35	7	ESE	29/11/2013	15:10	3	E
29/11/2013	10:40	9	SE	29/11/2013	15:15	3	ENE
29/11/2013	10:45	6	ESE	29/11/2013	15:20	2	E
29/11/2013	10:50	8	E	29/11/2013	15:25	1	SSE
29/11/2013	10:55	9	E	29/11/2013	15:30	1	E

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
29/11/2013	15:35	1	E	29/11/2013	20:10	1	S
29/11/2013	15:40	2	E	29/11/2013	20:15	1	S
29/11/2013	15:45	3	NE	29/11/2013	20:20	0	S
29/11/2013	15:50	2	ENE	29/11/2013	20:25	2	S
29/11/2013	15:55	4	ENE	29/11/2013	20:30	2	S
29/11/2013	16:00	4	E	29/11/2013	20:35	1	SSW
29/11/2013	16:05	2	E	29/11/2013	20:40	1	S
29/11/2013	16:10	2	E	29/11/2013	20:45	2	S
29/11/2013	16:15	4	E	29/11/2013	20:50	3	S
29/11/2013	16:20	4	E	29/11/2013	20:55	2	S
29/11/2013	16:25	4	ESE	29/11/2013	21:00	2	SSW
29/11/2013	16:30	3	ESE	29/11/2013	21:05	2	S
29/11/2013	16:35	3	ESE	29/11/2013	21:10	1	SW
29/11/2013	16:40	5	SE	29/11/2013	21:15	1	SSW
29/11/2013	16:45	3	SE	29/11/2013	21:20	1	SSW
29/11/2013	16:50	4	SE	29/11/2013	21:25	1	SSW
29/11/2013	16:55	5	SE	29/11/2013	21:30	2	S
29/11/2013	17:00	3	ESE	29/11/2013	21:35	3	S
29/11/2013	17:05	4	SE	29/11/2013	21:40	2	SSE
29/11/2013	17:10	5	SE	29/11/2013	21:45	2	ESE
29/11/2013	17:15	3	ESE	29/11/2013	21:50	1	S
29/11/2013	17:20	2	SE	29/11/2013	21:55	0	ENE
29/11/2013	17:25	3	SE	29/11/2013	22:00	1	S
29/11/2013	17:30	5	SE	29/11/2013	22:05	1	W
29/11/2013	17:35	5	SE	29/11/2013	22:10	1	WNW
29/11/2013	17:40	5	SE	29/11/2013	22:15	2	WSW
29/11/2013	17:45	5	SE	29/11/2013	22:20	3	W
29/11/2013	17:50	5	SE	29/11/2013	22:25	2	W
29/11/2013	17:55	5	SE	29/11/2013	22:30	1	W
29/11/2013	18:00	5	SE	29/11/2013	22:35	3	W
29/11/2013	18:05	6	SE	29/11/2013	22:40	3	W
29/11/2013	18:10	6	SE	29/11/2013	22:45	3	W
29/11/2013	18:15	4	SE	29/11/2013	22:50	4	W
29/11/2013	18:20	5	ESE	29/11/2013	22:55	3	WNW
29/11/2013	18:25	5	SE	29/11/2013	23:00	2	WNW
29/11/2013	18:30	5	SE	29/11/2013	23:05	1	W
29/11/2013	18:35	5	SE	29/11/2013	23:10	3	SSW
29/11/2013	18:40	5	ESE	29/11/2013	23:15	2	SSW
29/11/2013	18:45	4	SE	29/11/2013	23:20	1	SSW
29/11/2013	18:50	4	SE	29/11/2013	23:25	0	SSW
29/11/2013	18:55	6	SE	29/11/2013	23:30	0	---
29/11/2013	19:00	4	SSE	29/11/2013	23:35	0	---
29/11/2013	19:05	4	S	29/11/2013	23:40	0	---
29/11/2013	19:10	2	S	29/11/2013	23:45	0	---
29/11/2013	19:15	3	S	29/11/2013	23:50	0	---
29/11/2013	19:20	2	S	29/11/2013	23:55	0	---
29/11/2013	19:25	2	S	30/11/2013	00:00	0	SSW
29/11/2013	19:30	2	S	30/11/2013	00:05	1	W
29/11/2013	19:35	2	S	30/11/2013	00:10	0	W
29/11/2013	19:40	3	S	30/11/2013	00:15	0	W
29/11/2013	19:45	3	S	30/11/2013	00:20	0	W
29/11/2013	19:50	3	S	30/11/2013	00:25	1	N
29/11/2013	19:55	3	SSE	30/11/2013	00:30	0	SE
29/11/2013	20:00	3	SSE	30/11/2013	00:35	0	---
29/11/2013	20:05	2	S	30/11/2013	00:40	0	---

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
30/11/2013	00:45	1	W	30/11/2013	05:20	1	SSE
30/11/2013	00:50	2	W	30/11/2013	05:25	1	SSE
30/11/2013	00:55	1	W	30/11/2013	05:30	2	SSE
30/11/2013	01:00	1	SW	30/11/2013	05:35	2	S
30/11/2013	01:05	2	WSW	30/11/2013	05:40	1	S
30/11/2013	01:10	2	W	30/11/2013	05:45	1	S
30/11/2013	01:15	2	WSW	30/11/2013	05:50	2	S
30/11/2013	01:20	1	W	30/11/2013	05:55	2	SSE
30/11/2013	01:25	1	S	30/11/2013	06:00	1	SSW
30/11/2013	01:30	2	SSW	30/11/2013	06:05	1	SSW
30/11/2013	01:35	1	SSW	30/11/2013	06:10	2	S
30/11/2013	01:40	1	WSW	30/11/2013	06:15	2	S
30/11/2013	01:45	1	SSW	30/11/2013	06:20	0	SW
30/11/2013	01:50	1	SSW	30/11/2013	06:25	2	SSW
30/11/2013	01:55	1	WSW	30/11/2013	06:30	3	S
30/11/2013	02:00	0	---	30/11/2013	06:35	2	S
30/11/2013	02:05	0	---	30/11/2013	06:40	1	SSE
30/11/2013	02:10	0	---	30/11/2013	06:45	1	S
30/11/2013	02:15	0	---	30/11/2013	06:50	2	S
30/11/2013	02:20	1	W	30/11/2013	06:55	2	S
30/11/2013	02:25	0	SW	30/11/2013	07:00	1	S
30/11/2013	02:30	0	---	30/11/2013	07:05	0	S
30/11/2013	02:35	1	SSW	30/11/2013	07:10	2	S
30/11/2013	02:40	1	SSW	30/11/2013	07:15	1	S
30/11/2013	02:45	3	SSW	30/11/2013	07:20	0	S
30/11/2013	02:50	2	SSW	30/11/2013	07:25	0	S
30/11/2013	02:55	3	S	30/11/2013	07:30	0	S
30/11/2013	03:00	1	S	30/11/2013	07:35	1	S
30/11/2013	03:05	1	SSW	30/11/2013	07:40	1	S
30/11/2013	03:10	1	SSW	30/11/2013	07:45	0	SSW
30/11/2013	03:15	1	S	30/11/2013	07:50	0	SSE
30/11/2013	03:20	0	S	30/11/2013	07:55	1	S
30/11/2013	03:25	2	S	30/11/2013	08:00	1	SSE
30/11/2013	03:30	2	S	30/11/2013	08:05	1	SSE
30/11/2013	03:35	2	S	30/11/2013	08:10	1	S
30/11/2013	03:40	2	S	30/11/2013	08:15	1	SSW
30/11/2013	03:45	2	SSE	30/11/2013	08:20	1	SSW
30/11/2013	03:50	1	S	30/11/2013	08:25	1	S
30/11/2013	03:55	1	S	30/11/2013	08:30	0	S
30/11/2013	04:00	2	SSW	30/11/2013	08:35	1	SSE
30/11/2013	04:05	2	S	30/11/2013	08:40	2	SE
30/11/2013	04:10	2	SSE	30/11/2013	08:45	3	SE
30/11/2013	04:15	2	S	30/11/2013	08:50	3	SE
30/11/2013	04:20	2	S	30/11/2013	08:55	4	SE
30/11/2013	04:25	2	SSE	30/11/2013	09:00	4	SE
30/11/2013	04:30	2	SSE	30/11/2013	09:05	4	SE
30/11/2013	04:35	2	S	30/11/2013	09:10	4	SE
30/11/2013	04:40	2	SSE	30/11/2013	09:15	4	SE
30/11/2013	04:45	2	S	30/11/2013	09:20	4	SE
30/11/2013	04:50	2	S	30/11/2013	09:25	4	SE
30/11/2013	04:55	2	S	30/11/2013	09:30	5	SE
30/11/2013	05:00	2	S	30/11/2013	09:35	4	SE
30/11/2013	05:05	2	SSE	30/11/2013	09:40	3	ESE
30/11/2013	05:10	2	S	30/11/2013	09:45	4	ESE
30/11/2013	05:15	2	S	30/11/2013	09:50	4	SE

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
30/11/2013	09:55	2	SE	30/11/2013	14:30	4	NNE
30/11/2013	10:00	3	ESE	30/11/2013	14:35	6	NNW
30/11/2013	10:05	3	SE	30/11/2013	14:40	5	N
30/11/2013	10:10	3	SE	30/11/2013	14:45	5	NNE
30/11/2013	10:15	3	SE	30/11/2013	14:50	6	N
30/11/2013	10:20	2	SE	30/11/2013	14:55	5	NNE
30/11/2013	10:25	3	E	30/11/2013	15:00	4	NNE
30/11/2013	10:30	3	E	30/11/2013	15:05	5	NNE
30/11/2013	10:35	3	E	30/11/2013	15:10	5	NE
30/11/2013	10:40	4	E	30/11/2013	15:15	5	NNE
30/11/2013	10:45	3	E	30/11/2013	15:20	6	NNE
30/11/2013	10:50	2	SE	30/11/2013	15:25	5	N
30/11/2013	10:55	2	SE	30/11/2013	15:30	7	NNE
30/11/2013	11:00	2	SE	30/11/2013	15:35	6	NNE
30/11/2013	11:05	2	ENE	30/11/2013	15:40	5	NNE
30/11/2013	11:10	2	E	30/11/2013	15:45	4	N
30/11/2013	11:15	2	ENE	30/11/2013	15:50	4	NNE
30/11/2013	11:20	2	E	30/11/2013	15:55	5	NNE
30/11/2013	11:25	3	ENE	30/11/2013	16:00	6	NNE
30/11/2013	11:30	3	ENE	30/11/2013	16:05	6	NNE
30/11/2013	11:35	2	ENE	30/11/2013	16:10	6	NNE
30/11/2013	11:40	2	E	30/11/2013	16:15	5	NNE
30/11/2013	11:45	3	ENE	30/11/2013	16:20	5	NNE
30/11/2013	11:50	3	ENE	30/11/2013	16:25	6	NNE
30/11/2013	11:55	2	ENE	30/11/2013	16:30	5	NNE
30/11/2013	12:00	2	E	30/11/2013	16:35	5	NNE
30/11/2013	12:05	2	SSE	30/11/2013	16:40	4	NNE
30/11/2013	12:10	1	ESE	30/11/2013	16:45	4	NNE
30/11/2013	12:15	2	SE	30/11/2013	16:50	4	NE
30/11/2013	12:20	2	ESE	30/11/2013	16:55	5	NNE
30/11/2013	12:25	2	E	30/11/2013	17:00	3	NNE
30/11/2013	12:30	2	ENE	30/11/2013	17:05	5	NE
30/11/2013	12:35	4	NE	30/11/2013	17:10	5	NE
30/11/2013	12:40	6	NNE	30/11/2013	17:15	4	NE
30/11/2013	12:45	5	NNE	30/11/2013	17:20	4	NNE
30/11/2013	12:50	5	NNE	30/11/2013	17:25	5	NE
30/11/2013	12:55	3	NNE	30/11/2013	17:30	5	NE
30/11/2013	13:00	4	N	30/11/2013	17:35	4	NE
30/11/2013	13:05	5	NNE	30/11/2013	17:40	1	NNW
30/11/2013	13:10	6	NNE	30/11/2013	17:45	1	NNW
30/11/2013	13:15	7	N	30/11/2013	17:50	1	NNW
30/11/2013	13:20	7	NNW	30/11/2013	17:55	4	SW
30/11/2013	13:25	6	N	30/11/2013	18:00	2	SSW
30/11/2013	13:30	7	N	30/11/2013	18:05	2	WNW
30/11/2013	13:35	5	NNE	30/11/2013	18:10	2	W
30/11/2013	13:40	6	N	30/11/2013	18:15	2	WNW
30/11/2013	13:45	6	N	30/11/2013	18:20	1	WNW
30/11/2013	13:50	5	N	30/11/2013	18:25	1	W
30/11/2013	13:55	6	N	30/11/2013	18:30	3	W
30/11/2013	14:00	6	N	30/11/2013	18:35	3	W
30/11/2013	14:05	6	N	30/11/2013	18:40	2	W
30/11/2013	14:10	6	NE	30/11/2013	18:45	2	W
30/11/2013	14:15	6	N	30/11/2013	18:50	2	W
30/11/2013	14:20	5	N	30/11/2013	18:55	3	W
30/11/2013	14:25	5	NE	30/11/2013	19:00	2	WSW

Extracted from the Weather Station at Tung Chung China State Site Office Rooftop

Date	Time	Wind Speed (mph)	Wind Direction	Date	Time	Wind Speed (mph)	Wind Direction
30/11/2013	19:05	1	SW	30/11/2013	23:40	0	---
30/11/2013	19:10	2	SW	30/11/2013	23:45	0	---
30/11/2013	19:15	2	WSW	30/11/2013	23:50	0	---
30/11/2013	19:20	2	W	30/11/2013	23:55	0	---
30/11/2013	19:25	0	---	01/12/2013	00:00	0	---
30/11/2013	19:30	0	---				
30/11/2013	19:35	0	---				
30/11/2013	19:40	0	---				
30/11/2013	19:45	0	---				
30/11/2013	19:50	0	---				
30/11/2013	19:55	0	---				
30/11/2013	20:00	0	---				
30/11/2013	20:05	0	---				
30/11/2013	20:10	0	---				
30/11/2013	20:15	0	---				
30/11/2013	20:20	0	---				
30/11/2013	20:25	0	---				
30/11/2013	20:30	0	---				
30/11/2013	20:35	0	---				
30/11/2013	20:40	0	---				
30/11/2013	20:45	0	---				
30/11/2013	20:50	0	---				
30/11/2013	20:55	0	---				
30/11/2013	21:00	0	---				
30/11/2013	21:05	0	---				
30/11/2013	21:10	0	---				
30/11/2013	21:15	0	---				
30/11/2013	21:20	0	---				
30/11/2013	21:25	0	---				
30/11/2013	21:30	0	---				
30/11/2013	21:35	0	---				
30/11/2013	21:40	0	---				
30/11/2013	21:45	0	---				
30/11/2013	21:50	0	---				
30/11/2013	21:55	0	---				
30/11/2013	22:00	0	---				
30/11/2013	22:05	0	---				
30/11/2013	22:10	0	---				
30/11/2013	22:15	0	---				
30/11/2013	22:20	0	---				
30/11/2013	22:25	0	---				
30/11/2013	22:30	0	---				
30/11/2013	22:35	0	---				
30/11/2013	22:40	0	---				
30/11/2013	22:45	0	---				
30/11/2013	22:50	0	---				
30/11/2013	22:55	0	---				
30/11/2013	23:00	0	---				
30/11/2013	23:05	0	---				
30/11/2013	23:10	0	---				
30/11/2013	23:15	0	---				
30/11/2013	23:20	0	---				
30/11/2013	23:25	0	---				
30/11/2013	23:30	0	---				
30/11/2013	23:35	0	---				



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
14th Monthly EM&A Report

APPENDIX H

Dolphin Monitoring Results



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

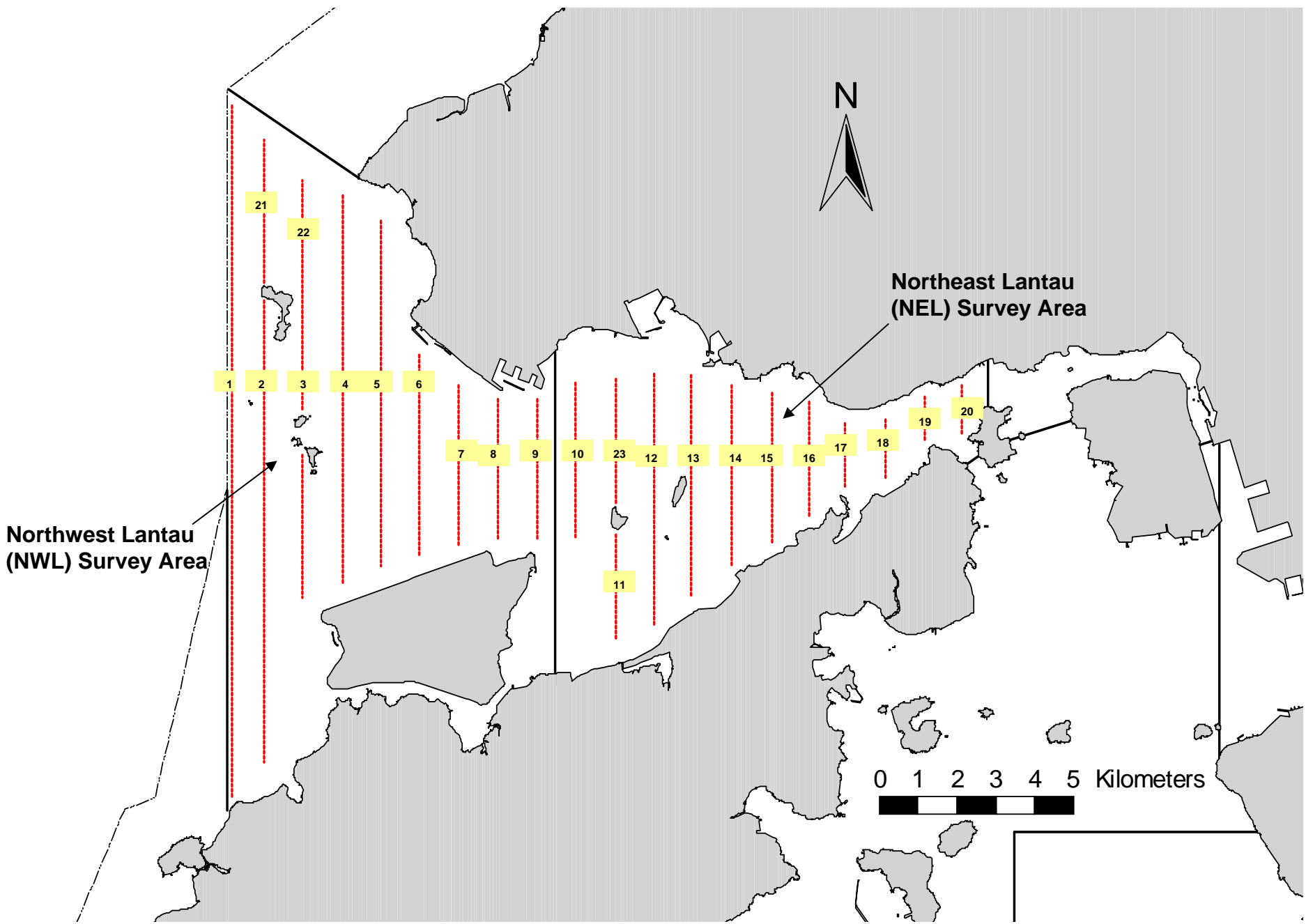


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

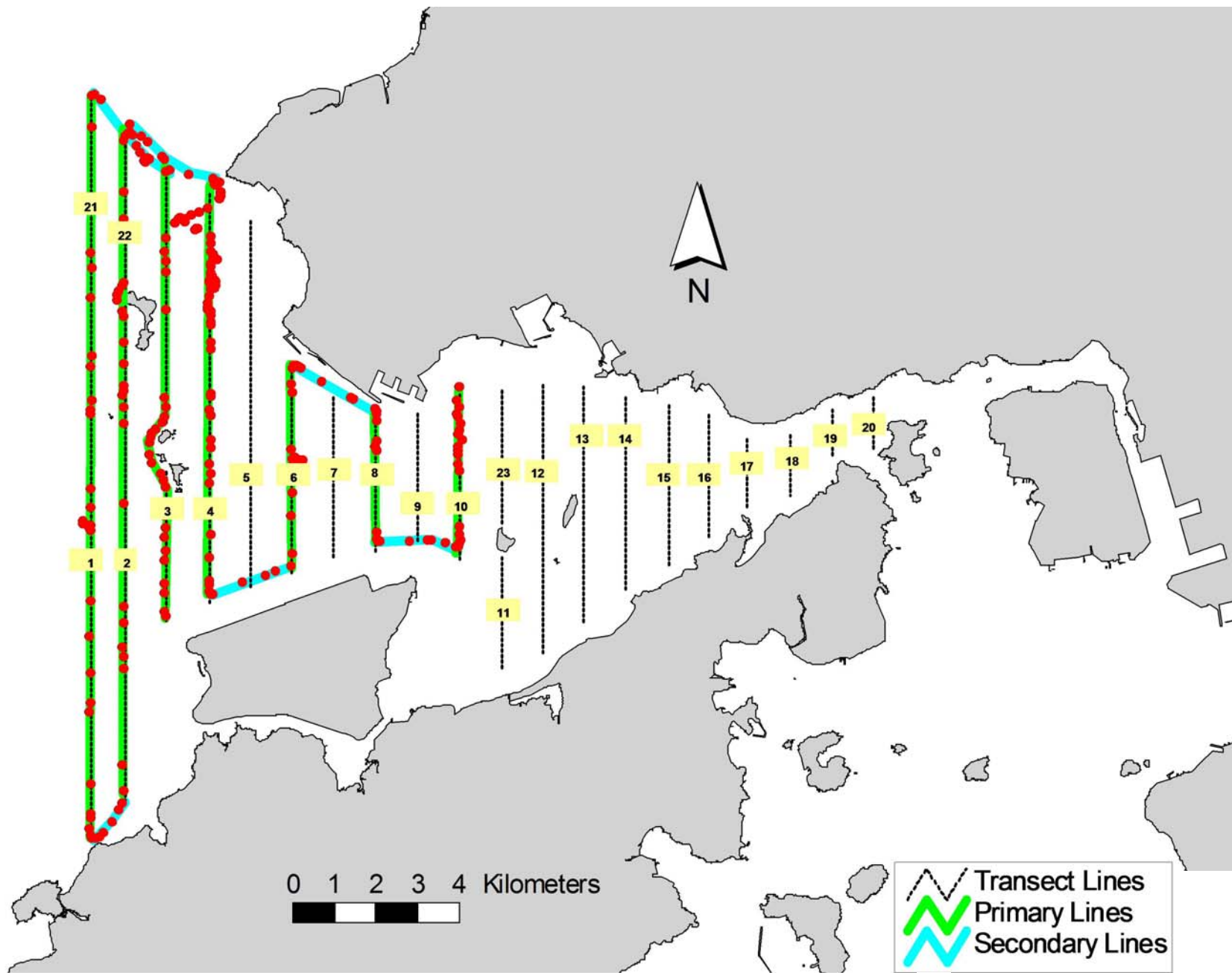


Figure 2. Survey Route on November 1st, 2013

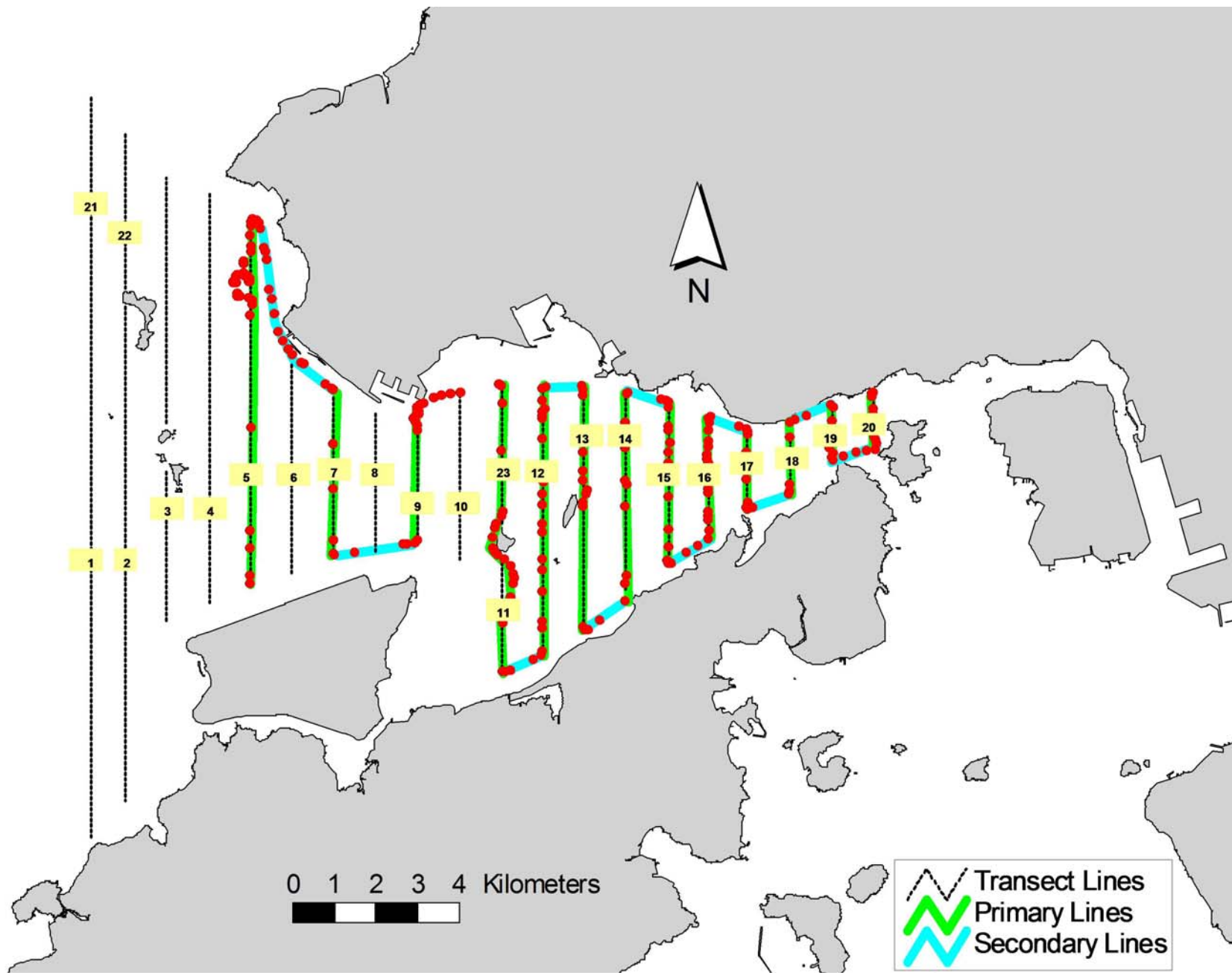


Figure 3. Survey Route on November 5th, 2013

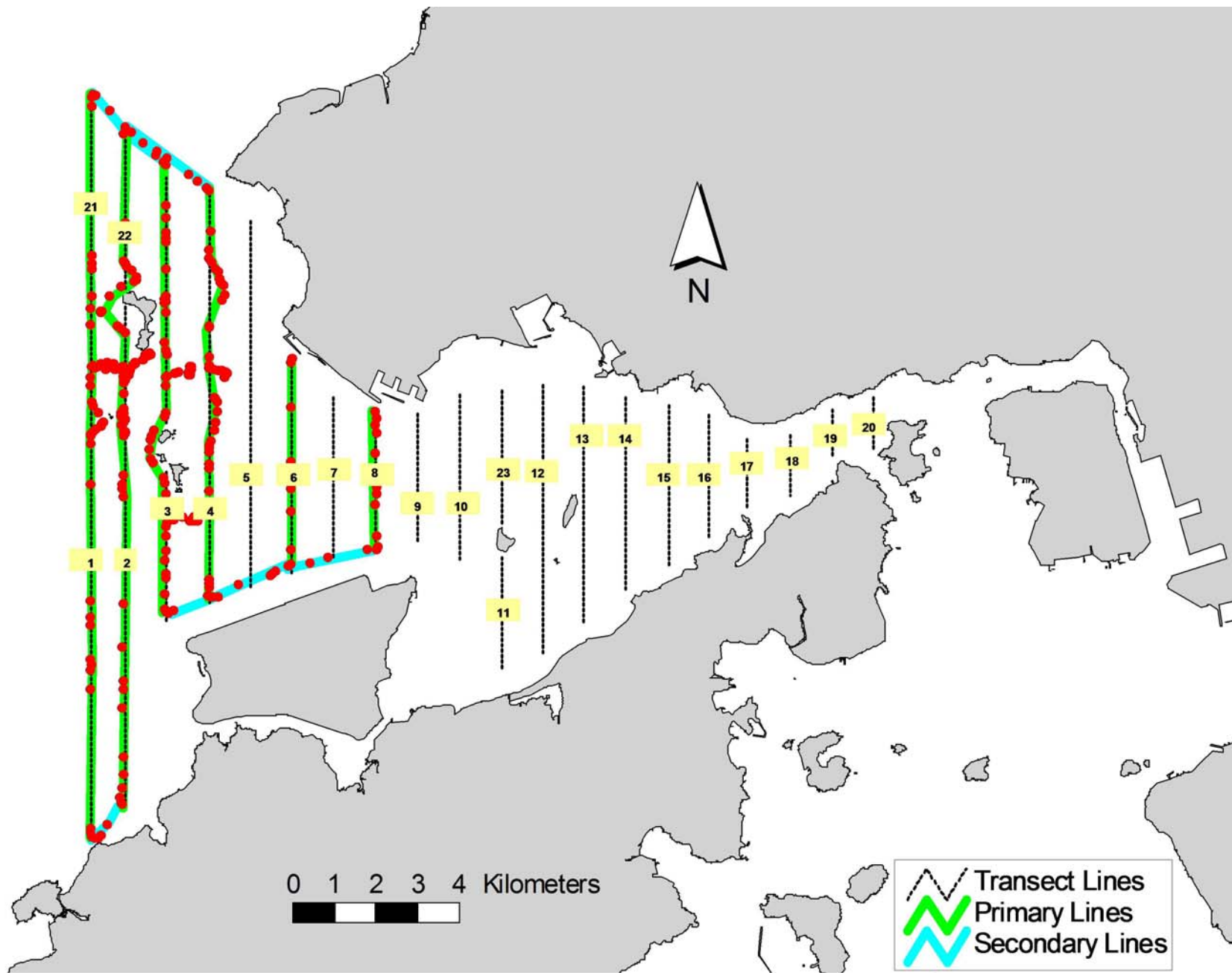


Figure 4. Survey Route on November 8th, 2013

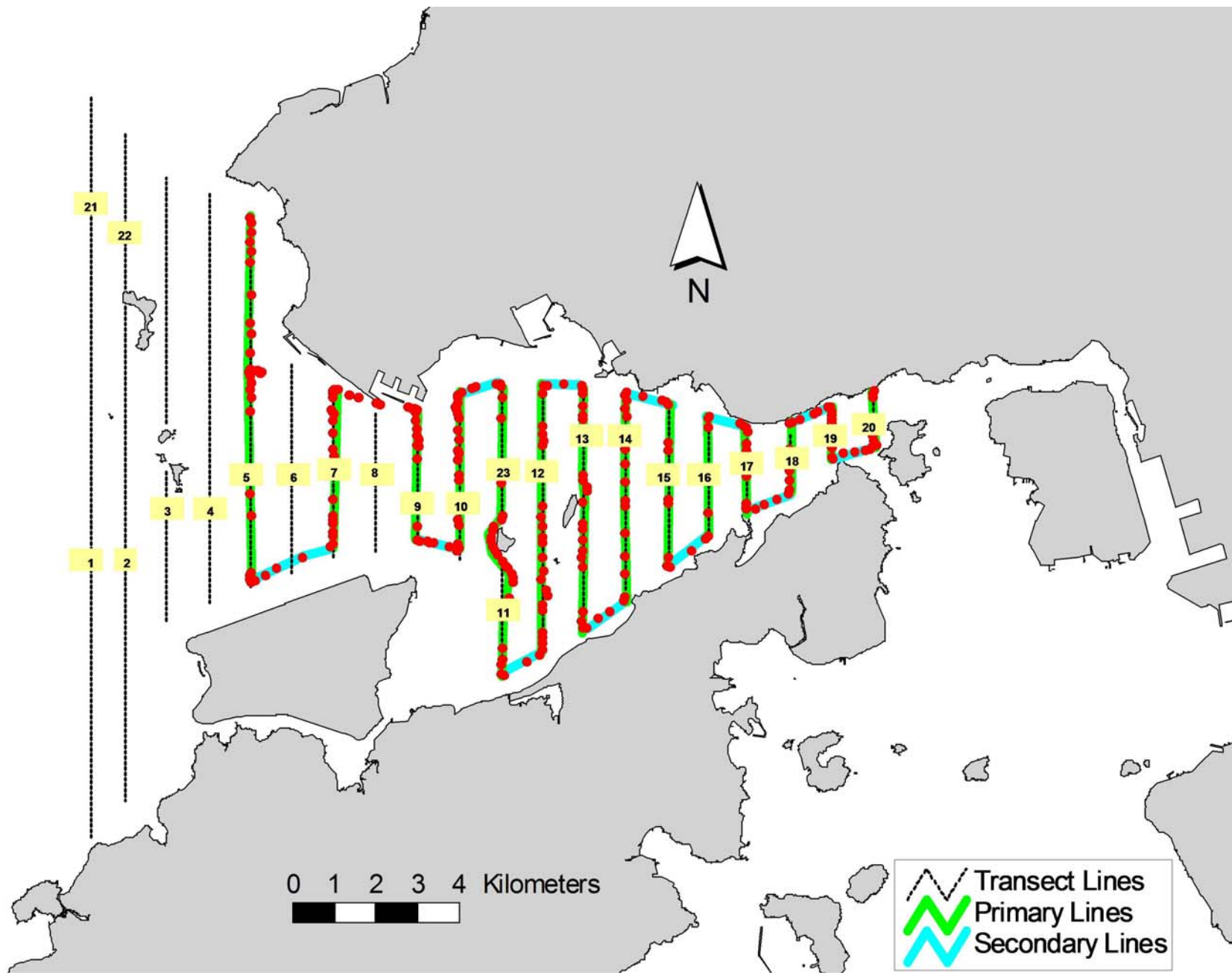


Figure 5. Survey Route on November 13th, 2013

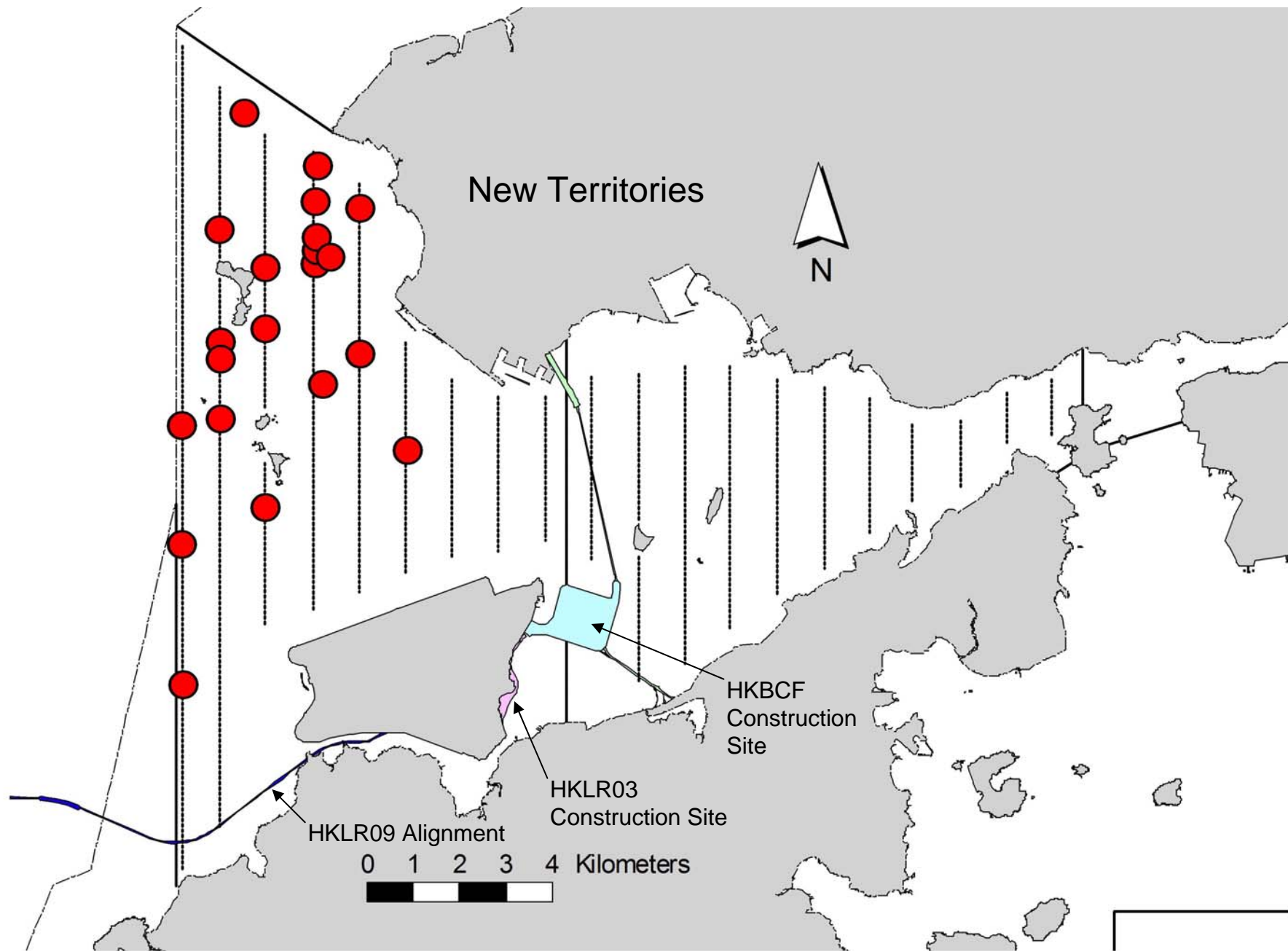


Figure 6. Distribution of Chinese White Dolphin Sightings During November 2013 HKLR03 Monitoring Surveys

Annex I. HKLR03 Survey Effort Database (November 2013)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
1-Nov-13	NW LANTAU	1	6.43	AUTUMN	STANDARD31516	HKLR	P
1-Nov-13	NW LANTAU	2	28.32	AUTUMN	STANDARD31516	HKLR	P
1-Nov-13	NW LANTAU	3	19.23	AUTUMN	STANDARD31516	HKLR	P
1-Nov-13	NW LANTAU	1	2.25	AUTUMN	STANDARD31516	HKLR	S
1-Nov-13	NW LANTAU	2	5.73	AUTUMN	STANDARD31516	HKLR	S
1-Nov-13	NW LANTAU	3	4.87	AUTUMN	STANDARD31516	HKLR	S
1-Nov-13	NE LANTAU	2	3.67	AUTUMN	STANDARD31516	HKLR	P
5-Nov-13	NE LANTAU	2	34.75	AUTUMN	STANDARD31516	HKLR	P
5-Nov-13	NE LANTAU	2	10.65	AUTUMN	STANDARD31516	HKLR	S
5-Nov-13	NW LANTAU	2	13.99	AUTUMN	STANDARD31516	HKLR	P
5-Nov-13	NW LANTAU	2	6.61	AUTUMN	STANDARD31516	HKLR	S
8-Nov-13	NW LANTAU	0	1.73	AUTUMN	STANDARD31516	HKLR	P
8-Nov-13	NW LANTAU	1	10.57	AUTUMN	STANDARD31516	HKLR	P
8-Nov-13	NW LANTAU	2	39.88	AUTUMN	STANDARD31516	HKLR	P
8-Nov-13	NW LANTAU	3	1.50	AUTUMN	STANDARD31516	HKLR	P
8-Nov-13	NW LANTAU	1	1.29	AUTUMN	STANDARD31516	HKLR	S
8-Nov-13	NW LANTAU	2	5.53	AUTUMN	STANDARD31516	HKLR	S
8-Nov-13	NW LANTAU	3	2.36	AUTUMN	STANDARD31516	HKLR	S
13-Nov-13	NE LANTAU	1	5.70	AUTUMN	STANDARD31516	HKLR	P
13-Nov-13	NE LANTAU	2	21.79	AUTUMN	STANDARD31516	HKLR	P
13-Nov-13	NE LANTAU	3	9.60	AUTUMN	STANDARD31516	HKLR	P
13-Nov-13	NE LANTAU	2	11.71	AUTUMN	STANDARD31516	HKLR	S
13-Nov-13	NE LANTAU	3	1.10	AUTUMN	STANDARD31516	HKLR	S
13-Nov-13	NW LANTAU	1	1.93	AUTUMN	STANDARD31516	HKLR	P
13-Nov-13	NW LANTAU	2	5.89	AUTUMN	STANDARD31516	HKLR	P
13-Nov-13	NW LANTAU	3	6.87	AUTUMN	STANDARD31516	HKLR	P
13-Nov-13	NW LANTAU	2	4.22	AUTUMN	STANDARD31516	HKLR	S

Annex II. HKLR03 Chinese White Dolphin Sighting Database (November 2013)

(Abbreviations: 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 Line)

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
1-Nov-13	1	1049	4	NW LANTAU	2	74	ON	HKLR	823145	809509	AUTUMN	NONE	P
1-Nov-13	2	1152	3	NW LANTAU	3	214	ON	HKLR	826947	807517	AUTUMN	NONE	P
1-Nov-13	3	1203	7	NW LANTAU	3	159	ON	HKLR	827235	807539	AUTUMN	NONE	P
1-Nov-13	4	1225	1	NW LANTAU	2	137	ON	HKLR	827490	807539	AUTUMN	NONE	P
1-Nov-13	5	1236	3	NW LANTAU	2	358	ON	HKLR	828232	807530	AUTUMN	NONE	P
1-Nov-13	6	1252	7	NW LANTAU	2	ND	OFF	HKLR	828941	807583	AUTUMN	NONE	
1-Nov-13	7	1312	4	NW LANTAU	2	72	ON	HKLR	830018	805999	AUTUMN	NONE	S
1-Nov-13	8	1458	11	NW LANTAU	3	60	ON	HKLR	821228	804642	AUTUMN	NONE	P
5-Nov-13	1	1421	5	NW LANTAU	2	378	ON	HKLR	828097	808508	AUTUMN	NONE	P
8-Nov-13	1	1041	4	NW LANTAU	1	302	ON	HKLR	824489	807678	AUTUMN	NONE	P
8-Nov-13	2	1103	8	NW LANTAU	2	694	ON	HKLR	827091	807858	AUTUMN	NONE	P
8-Nov-13	3	1152	7	NW LANTAU	3	299	ON	HKLR	827660	805459	AUTUMN	NONE	P
8-Nov-13	4	1215	9	NW LANTAU	2	756	ON	HKLR	825357	805465	AUTUMN	NONE	P
8-Nov-13	5	1232	5	NW LANTAU	2	ND	OFF	HKLR	825025	805464	AUTUMN	NONE	
8-Nov-13	6	1249	4	NW LANTAU	2	7	ON	HKLR	823806	805462	AUTUMN	NONE	P
8-Nov-13	7	1400	2	NW LANTAU	2	155	ON	HKLR	818382	804657	AUTUMN	NONE	P
8-Nov-13	8	1426	8	NW LANTAU	2	149	ON	HKLR	823675	804648	AUTUMN	NONE	P
8-Nov-13	9	1526	1	NW LANTAU	2	45	ON	HKLR	826872	806446	AUTUMN	NONE	P
8-Nov-13	10	1536	4	NW LANTAU	1	225	ON	HKLR	825643	806454	AUTUMN	NONE	P
8-Nov-13	11	1606	4	NW LANTAU	2	223	ON	HKLR	821988	806457	AUTUMN	NONE	P
13-Nov-13	1	1451	1	NW LANTAU	3	343	ON	HKLR	825118	808482	AUTUMN	NONE	P

Annex III. Individual dolphins identified during HKLR03 monitoring surveys in November 2013

ID#	DATE	STG#	AREA
CH34	05/11/13	1	NW LANTAU
	08/11/13	4	NW LANTAU
	08/11/13	5	NW LANTAU
EL01	05/11/13	1	NW LANTAU
NL24	08/11/13	4	NW LANTAU
	08/11/13	5	NW LANTAU
NL33	05/11/13	1	NW LANTAU
	08/11/13	4	NW LANTAU
	08/11/13	5	NW LANTAU
	08/11/13	11	NW LANTAU
NL37	08/11/13	2	NW LANTAU
NL46	01/11/13	3	NW LANTAU
NL48	08/11/13	9	NW LANTAU
NL49	08/11/13	2	NW LANTAU
NL80	01/11/13	3	NW LANTAU
	01/11/13	6	NW LANTAU
	08/11/13	6	NW LANTAU
NL93	01/11/13	8	NW LANTAU
NL98	01/11/13	2	NW LANTAU
NL103	08/11/13	3	NW LANTAU
NL123	08/11/13	11	NW LANTAU
NL136	01/11/13	8	NW LANTAU
NL139	01/11/13	8	NW LANTAU
	08/11/13	1	NW LANTAU
NL145	01/11/13	3	NW LANTAU
NL150	08/11/13	3	NW LANTAU
NL165	01/11/13	8	NW LANTAU
	08/11/13	1	NW LANTAU
NL182	01/11/13	6	NW LANTAU
NL188	08/11/13	8	NW LANTAU
NL212	08/11/13	3	NW LANTAU
NL226	01/11/13	1	NW LANTAU
NL236	01/11/13	7	NW LANTAU
	08/11/13	2	NW LANTAU
NL242	08/11/13	4	NW LANTAU
	08/11/13	5	NW LANTAU

ID#	DATE	STG#	AREA
NL259	01/11/13	8	NW LANTAU
NL261	01/11/13	1	NW LANTAU
	08/11/13	1	NW LANTAU
	08/11/13	10	NW LANTAU
NL262	01/11/13	8	NW LANTAU
NL269	01/11/13	8	NW LANTAU
NL272	01/11/13	1	NW LANTAU
	08/11/13	4	NW LANTAU
NL284	01/11/13	1	NW LANTAU
NL285	08/11/13	11	NW LANTAU
NL296	05/11/13	1	NW LANTAU
NL300	08/11/13	6	NW LANTAU
NL301	01/11/13	4	NW LANTAU
	01/11/13	6	NW LANTAU
SL35	08/11/13	10	NW LANTAU
WL04	01/11/13	8	NW LANTAU
WL05	01/11/13	8	NW LANTAU
WL11	08/11/13	2	NW LANTAU
WL15	08/11/13	10	NW LANTAU
WL79	08/11/13	4	NW LANTAU
WL98	08/11/13	4	NW LANTAU
WL124	08/11/13	8	NW LANTAU

NL226_20131101_1



NL261_20131101_1



NL272_20131101_1



NL284_20131101_1



NL98_20131101_2



NL46_20131101_3



NL80_20131101_3



NL145_20131101_3



NL301_20131101_4



Annex IV. Photographs of Identified Individual Dolphins in November 2013 (HKLR03)

NL80_20131101_6



NL182_20131101_6



NL301_20131101_6



NL236_20131101_7



NL93_20131101_8



NL136_20131101_8



NL139_20131101_8



NL165_20131101_8



NL259_20131101_8



NL262_20131101_8



NL269_20131101_8



WL04_20131101_8



WL05_20131101_8



CH34_20131105_1



EL01_20131105_1



NL33_20131105_1



NL296_20131105_1



NL139_20131108_1





CH34_20131108_4



NL24_20131108_4



NL33_20131108_4



NL242_20131108_4



NL272_20131108_4



WL79_20131108_4



WL98_20131108_4



CH34_20131108_5



NL24_20131108_5



NL33_20131108_5



NL242_20131108_5



NL80_20131108_6



NL300_20131108_6



NL188_20131108_8



WL124_20131108_8



NL48_20131108_9



NL261_20131108_10



SL35_20131108_10





Annex IV. (cont'd)



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
14th Monthly EM&A Report

APPENDIX I

Waste Flow Table



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

MONTHLY SUMMARY WASTE FLOW TABLE

Name of Department: HyD

Particular Specification

HKZMB Section Between HKLR and HKBCF

Contract No.: HY/2011/03

Monthly Summary Waste Flow Table for 2013

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	8.472	0.000	8.472	0.000	0.000	11.120	0.000	0.000	0.000	0.000	0.293
Feb	8.644	0.000	8.644	0.000	0.000	8.501	0.000	0.000	0.000	0.000	0.091
Mar	6.826	0.000	6.826	0.000	0.000	1.548	0.000	0.243	0.000	0.000	0.117
Apr	6.822	0.000	6.822	0.000	0.000	0.059	0.000	0.000	0.000	0.000	0.059
May	8.588	0.000	8.584	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.098
Jun	7.073	0.000	7.073	0.000	0.000	7.977	0.000	0.000	0.000	0.508	0.182
Sub-total	46.423	0.000	46.420	0.000	0.004	29.204	0.000	0.243	0.000	0.508	0.839
Jul	11.495	0.000	11.495	0.000	0.000	14.006	0.000	0.000	0.000	0.000	0.143
Aug	4.963	0.000	4.963	0.000	0.000	9.268	0.000	0.000	0.000	1.600	0.338
Sep	10.574	0.000	10.574	0.000	0.000	57.331	0.000	0.000	0.000	0.000	0.319
Oct	10.820	0.000	10.820	0.000	0.000	116.284	0.000	0.000	0.000	0.000	0.176
Nov	8.223	0.000	8.223	0.000	0.000	162.132	0.000	0.000	0.000	0.000	0.182
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sub- total	46.074	0.000	46.074	0.000	0.000	359.021	0.000	0.000	0.000	1.600	1.157
Total	92.497	0.000	92.493	0.000	0.004	388.225	0.000	0.243	0.000	2.108	1.996

- 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 50,000m³.
(5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for
(6) Conversion factors for reporting purpose:
excavated (bulk): rock = 2.0 tonnes/m³; soil = 1.8 tonnes/m³; sand=1.9tonnes/m³
(7) Numbers are rounded off to the nearest three decimal places
(8) 30T dump truck carries C&D waste of 8.0m³; 24T dump truck carries C&D waste of 6.5m³



路政署
HIGHWAYS DEPARTMENT

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Hong Kong Link Road - Section between Scenic Hill
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APPENDIX J

Cumulative Statistic on Complaints



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

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-12	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-12	-	1823 CASE: 1-391341859	Environmental (Noise and light)	The citizen complained about noise and light pollution from the barges working on the Zhuhai Macao 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-12	-	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-12	-	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-12	-	<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-12	-	<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>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?</i>	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-12	-	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	<ul style="list-style-type: none"> 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-12	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	<ul style="list-style-type: none"> 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. 		
COM-2012-010(5)	24-Nov-12	13:42 hrs. 13:49 hrs.	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 24/11/12 at 13:47. I can assure you that it is 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???	WA6	<ul style="list-style-type: none"> 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. 		
	25-Nov-12	22:02 hrs. 22:08 hrs.	EPD (cc to HyD)		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.	Portion X			
COM-2012-012(1)	13-Nov-12	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	<ul style="list-style-type: none"> 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-13	-	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	<ul style="list-style-type: none"> 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-13	-	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 source of the turbid water and concrete/cement.	N/A	-	Closed	-
COM-2013-018	02-Mar-13	-	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-13	-	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-13	-	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-13 24-Mar-13	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-13 1-Apr-13	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-13	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-13	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-13	--	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-13	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	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-13	--	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-13	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-13	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-13	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-13	--	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	-

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-2013-037	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	-
COM-2013-041	31-Oct-13	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-13	--	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	-



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
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APPENDIX K

Environmental Licenses and Permits



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

Summary of Environmental Licences and Permits Application and Status

Environmental Permit

Date Application Submitted	Status	Date EP Issued	EP No.	EP Holder	Expiry Date
28.08.2013	VEP issued	05.09.2013	EP-352/2009/C	Highways Department	N/A
29.07.2013	VEP Issued	06.08.2013	EP-353/2009/G	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

Billing Account for Disposal of Construction Waste

Date Application Submitted	Account No	Valid Since	Expiry Date
01.06.2012	7015313	27.06.2012	N/A

Chemical Waste Producer Registration

Date Registration Submitted	Waste Producer No.	Date Registration Issued	Major Waste Type	Expiry Date
20.06.2012	5213-950-C1169-43	12.07.2012	Spent lubricating oil, spent flammable liquid (diesel), surplus paint, spent organic solvent and their containers, spent batteries, soil containing mineral oil	N/A

Wastewater Discharge License

Item No.	Date Application Submitted	Area Applied	Status	Expiry Date
1	22.06.2012	Site Office for Supervising Officer (WA6)	Application Ref. No. 346651 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 Sep 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 Sep 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 Applied for Water Discharge License and pending for approval	N/A
6	02.04.2013	Airport Road (Southern)	Water discharge license Ref. WT00015866-2013 was granted on 29 Apr 2013	Valid until 30/04/2018
7	02.04.2013	Airport Road (Northern)	Water discharge license Ref. WT00015865-2013 was granted on 29 Apr 2013	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	20.05.2013	WA4	Loading of plants and fill materials	CNP issued on 05.06.2013	GW-RW0366-13	05.06.2013 1900	03.12.2013 2300
2	19.06.2013	Kwo Lo Wan	Pile Piling	CNP issued on 03.07.2013	GW-RS0731-13	14.07.2013 1900	03.12.2013 2300
3	19.06.2013	Kwo Lo Wan	Pile piling	CNP issued on 12.07.2013	GW-RS0733-13	14.07.2013 2300	03.12.2013 0700
4	08.07.2013	Airport Road	Pile piling (N13)	CNP issued on 25.07.2013	GW-RS0834-13	04.08.2013 19:00	03.02.2014 2300
5	08.07.2013	Airport Road	Lighting/ wastewater treatment	CNP issued on 25.07.2013	GW-RS0836-13	13.08.2013 23:00	12.02.2014 0700
6	30.08.2013	WA3	Stockpiling and wastewater treatment	CNP issued on 13.09.2013	GW-RS1012-13	28.09.2013 19:00	27.03.2014 0700
7	04.09.2013	Kwo Lo Wan	Trial for jet grouting	CNP issued on 17.09.2013 (Superseded by GW-RS1214-13)	GW-RS-1024-13	18.09.2013 00:00	18.11.2013 0700

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
8	13.09.2013	West Portal	Canopy/ grouting works	CNP issued on 27.09.2013	GW-RS1076-13	27.09.2013 19:00	26.03.2014 2400
9	27.09.2013	Portion X	Marine works	CNP issued on 15.10.2013	GW-RS1144-13	15.10.2013 23:00	11.04.2014 0700
10	05.10.2013	Portion X	Marine works	CNP issued on 22.10.2013	GW-RS1170-13	22.10.2013 1900	18.04.2014 2300
11	21.10.2013	Kwo Lo Wan	Trial for jet grouting (renewal)	CNP issued on 04.11.2013	GW-RS1214-13	19.11.2013 0000	18.01.2014 0700
12	30.10.2013	Kwo Lo Wan	Water treatment	CNP issued on 07.11.2013	GW-RS1253-13	04.12.2013 0000	03.06.2014 2400
13	04.11.2013	Kwo Lo Wan	Pile piling	CNP issued on 15.11.2013	GW-RS1303-13	04.12.2013 1900	03.06.2014 2300
14	05.11.2013	N13	Billboard construction	CNP issued on 11.11.2013	GW-RS1268-13	21.11.2013 0000	17.02.2014 0700
15	08.11.2013	Tung Fai Road	Water pipes installation	CNP issued on 15.11.2013	GW-RS1308-13	25.11.2013	24.05.2014



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APPENDIX L

Implementation Schedule of Environmental Mitigation Measures



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

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Air Quality							
S5.5.6.1	A1	1) The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	√
S5.5.6.2	A2	2) Proper watering of exposed spoil should be undertaken throughout the construction phase: <ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	√
S5.5.6.2	A2	<ul style="list-style-type: none"> • 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	<p>The following mitigation measures should be adopted to prevent fugitive dust emissions for concrete batching plant:</p> <ul style="list-style-type: none"> • 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	<p>The following mitigation measures should be adopted to prevent fugitive dust emissions at barging point:</p> <ul style="list-style-type: none"> •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	<p>1) Use of good site practices to limit noise emissions by considering the following:</p> <ul style="list-style-type: none"> •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: <ul style="list-style-type: none"> •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
		<p>with a view to recovering broken concrete effectively for recycling purpose, where possible;</p> <ul style="list-style-type: none"> •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	<p>C&D Waste</p> <ul style="list-style-type: none"> •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	<p>Chemical Waste</p> <ul style="list-style-type: none"> •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	<p><u>Sewage</u></p> <ul style="list-style-type: none"> •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	<p><u>General Refuse</u></p> <ul style="list-style-type: none"> •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	√

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	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	√

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; <ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •Implement a water quality monitoring programme 	Control water quality	Contractor	At identified monitoring	During construction	√
Ecology (Construction Phase)							
S10.7	E1	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •Install silt curtain during the construction; •Construct seawall prior to reclamation filling where practicable; •Good site practices; •Site runoff control3; •Spill response plan. 	Minimise marine water quality impacts	Contractor	Seawall, reclamation area	During construction	√
S10.7	E4	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •Dolphin Exclusion Zone; •Dolphin watching plan . 	Minimize temporary marine habitat loss impact to dolphins	Contractor	Marine works	During marine works	√
S10.7	E7	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<p>General design measures include:</p> <ul style="list-style-type: none"> •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; <p>Considering the decorative urban design elements for HKLR, e.g. decorative road lightings;</p>	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
		<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<p>Mitigate both Landscape and Visual Impacts</p> <p>G1. Grass-hydroseed bare soil surface and stock pile areas.</p> <p>G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic.</p> <p>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.</p> <p>G4. Vegetation reinstatement and upgrading to disturbed areas.</p>	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
		<p>G5. Maximize new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed.</p> <p>G6. Provide planting area around peripheral of and within HKLR for tree screening buffer effect.</p> <p>G7. Plant salt tolerant native tree and shrubs etc along the planterstrip at affected seawall.</p> <p>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).</p>					
S14.3.3.3	LV3	<p>Mitigate Visual Impacts</p> <p>V1.Minimize time for construction activities during construction period.</p> <p>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.</p>					√
EM&A							
S15.5-S15.6	EM2	<p>1) An Environmental Team needs to be employed as per the EM&A Manual.</p> <p>2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures.</p> <p>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.</p>	Perform environmental monitoring & auditing	Contractor	All construction sites	Construction stage	√



APPENDIX M

Record of “Notification of Environmental Quality Limit Exceedances”



Contract No. HY/2011/03 - Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 155 (ver1)

Date of Notification: 19 November 2013

Works Inspected: Data collected from water sampling works on 6 November 2013 and the test report was issued on 13 November 2013.

Monitoring Location: Water Quality Monitoring Stations

Parameter: Dissolved Oxygen (DO)/ Suspended Solids (SS)/ Turbidity (TURB)

Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS10	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 9.67 x 120% = 11.6 mg/L for mid ebb) AND CS(Mf)5: 9.60 x 120% = 11.5 mg/L for mid flood)	34.4 and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 9.67 x 130% = 12.6 mg/L for mid ebb) AND CS(Mf)5: 9.60 x 130% = 12.5 mg/L for mid flood)	7.1	28.3
SS	SR5	DA			10.3	29.3

Notes:
 DA means depth average.
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.

Possible reason for Action or Limit Level Non-compliance:

On 6 November 2013, AL exceedances at stations IS10 and SR5 were recorded during mid-flood tide.

The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reasons:

- Sand filling at Zone 1, stone column work at Zone 2, sand filling, public fill filling, transfer of public fill material and sand and stone column work at zone 3A were carried within silt curtain as recommended in the EIA Report.
- The ranges of suspended solid at stations IS10 and SR5 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid- Ebb Tide	Range of Suspended Solid (mg/L) Mid- Flood Tide
IS10	6.1 to 20.2	7.2 to 16
SR5	6.7 to 16.5	6.5 to 31.2

The measured value at station SR5 was within the range of suspended solid during baseline monitoring for mid-flood tide while the measured value at station IS10 was above the range of suspended solid during baseline monitoring for mid-flood tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

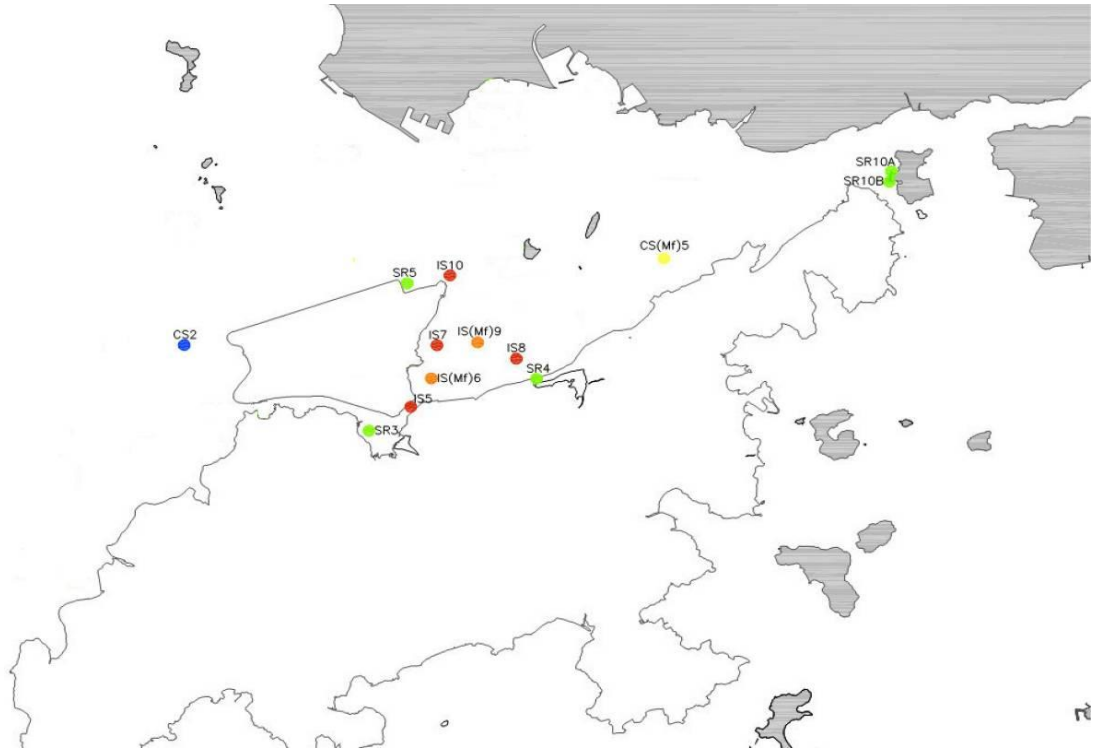
- No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels are considered to be attributed to other external factors, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid levels recorded beyond the water quality criteria were not related to contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader

Date : 27 November 2013

Copied to : Supervising Officer, IEC, EPD, Contractor, ENPO

**Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances**

Notification No.: 156

Date of Notification: 25 November 2013

Works Inspected: Data collected from water sampling works on 11 November 2013 and the test report was issued on 18 November 2013.

Monitoring Location: Water Quality Monitoring Stations

Parameter: Dissolved Oxygen (DO)/ Suspended Solids (SS)/ Turbidity (TURB)

Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS(Mf)6	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.67 x 120% = 8.0 mg/L for mid ebb) AND CS(Mf)5: 5.07 x 120% = 6.1 mg/L for mid flood)	34.4 and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.67 x 130% = 8.7 mg/L for mid ebb) AND CS(Mf)5: 5.07 x 130% = 6.1 mg/L for mid flood)	27.7	31.5

Notes:

DA means depth average.

Bold Italic means AL exceedances.

Bold Italic with underline means LL exceedances.

Possible reason for Action or Limit Level Non-compliance:

On 11 November 2013, AL exceedances at station IS(Mf)6 were recorded during mid-ebb tide and mid-flood tide.

The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reasons:

- Sand filling at Zones 2 and 3A, filling public fill at Zone 3A, transferring fill material at Zone 3A, transferring sand at Zone 3A and installation of stone column at Zone 2 were carried within silt curtain as recommended in the EIA Report.
- The ranges of suspended solid at stations IS(Mf)6 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid- Ebb Tide	Range of Suspended Solid (mg/L) Mid- Flood Tide
IS(Mf)6	7.1 to 19	8.5 to 35

The measured value at station IS(Mf)6 was within the range of suspended solid during baseline monitoring for mid-flood tide while the measured value at station IS(Mf)6 was above the range of suspended solid during baseline monitoring for mid-ebb tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

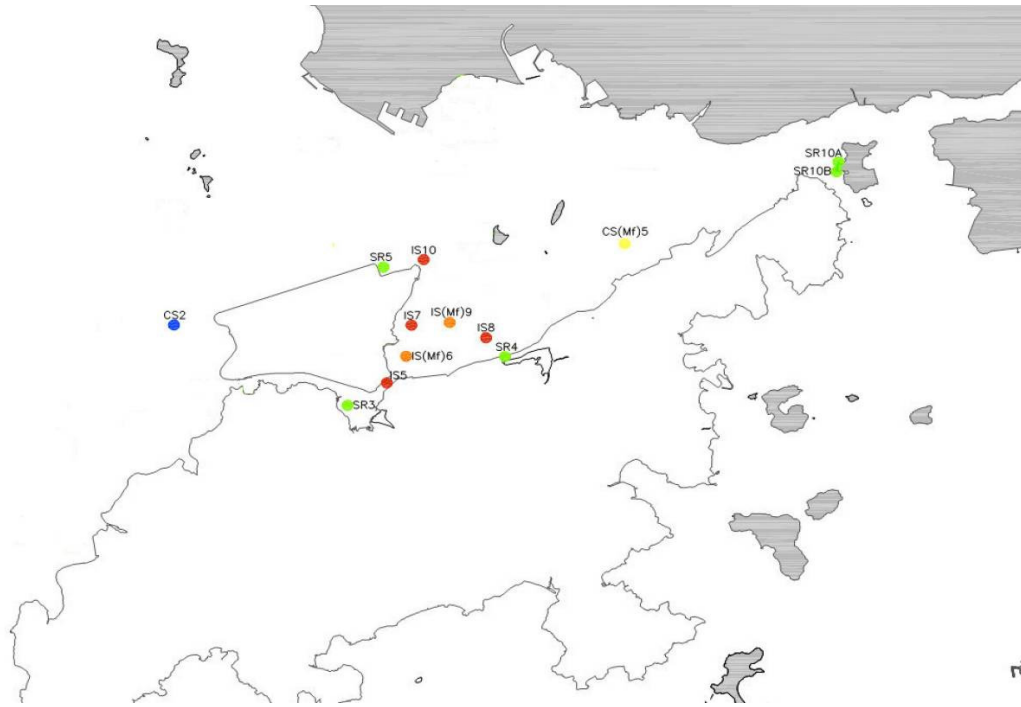
- No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels are considered to be attributed to other external factors, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid levels recorded beyond the water quality criteria were not related to contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader



Date : 25 November 2013

Copied to : Supervising Officer, IEC, EPD, Contractor, ENPO

Contract No. HY/2011/03 - Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 157

Date of Notification: 5 December 2013

Works Inspected: Data collected from water sampling works on 22 November 2013 and the test report was issued on 29 November 2013.

Monitoring Location: Water Quality Monitoring Stations

Parameter: Dissolved Oxygen (DO)/ Suspended Solids (SS)/ Turbidity (TURB)

Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS5	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.12 x 120% = 6.1 mg/L for mid ebb) AND CS(Mf)5: 8.12 x 120% = 9.7 mg/L for mid flood)	34.4 and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.12 x 130% = 6.7 mg/L for mid ebb) AND CS(Mf)5: 8.12 x 130% = 10.6 mg/L for mid flood)	15.1	25.4
SS	SR3	DA			14.2	24.2

Notes:
 DA means depth average.
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.

Possible reason for Action or Limit Level Non-compliance:

On 22 November 2013, AL exceedances at stations IS5 and SR3 were recorded during mid-flood tide.

The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reasons:

- Sand filling and installation of stone column at Zone 1, installation of stone column at Zone 2, and transferring of fill material and sand, filling of public fill and rock and installation of stone column at Zone 3A were carried within silt curtain as recommended in the EIA Report.
- The ranges of suspended solid at stations IS5 and SR3 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid- Ebb Tide	Range of Suspended Solid (mg/L) Mid- Flood Tide
IS5	8.1 to 25.7	7 to 23.7
SR3	6.7 to 31	7.6 to 28

The measured value at station SR3 was within the range of suspended solid during baseline monitoring for mid-flood tide while the measured value at station IS5 was above the range of suspended solid during baseline monitoring for mid-flood tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

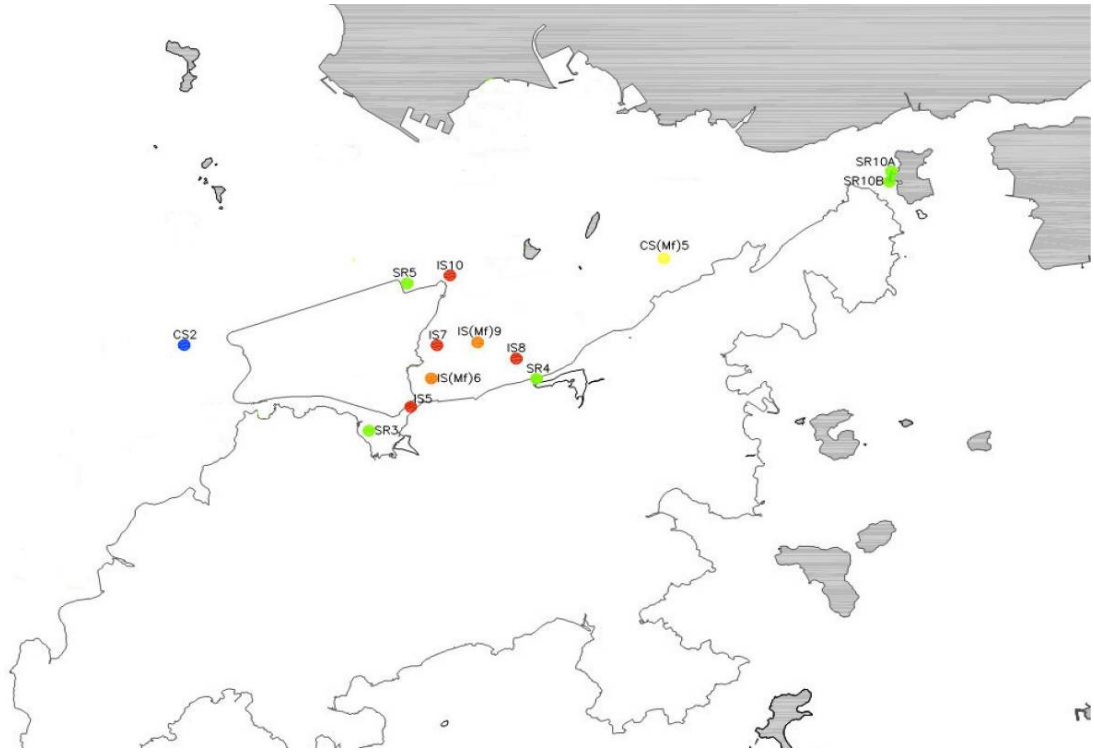
- No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels are considered to be attributed to other external factors, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid levels recorded beyond the water quality criteria were not related to contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader



Date : 5 December 2013

Copied to : Supervising Officer, IEC, EPD, Contractor, ENPO

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



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
14th Monthly EM&A Report

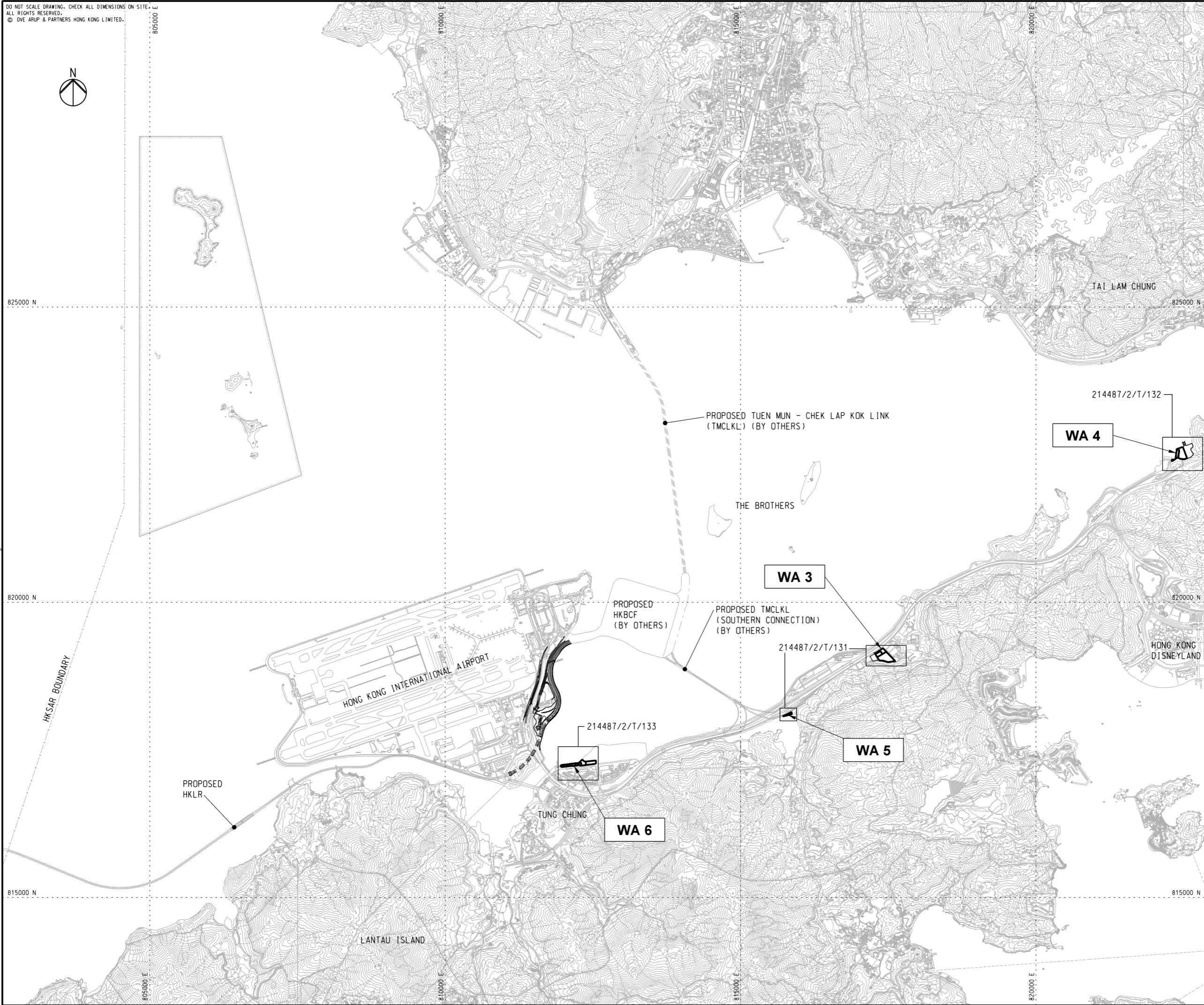
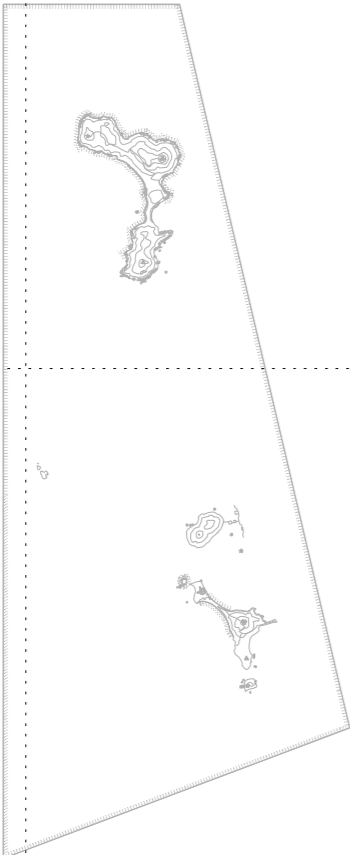
APPENDIX N

Location of Works Areas



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

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NOTES

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

A	TENDER ISSUE	IL	02/12
Rev	Description	By	Date

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

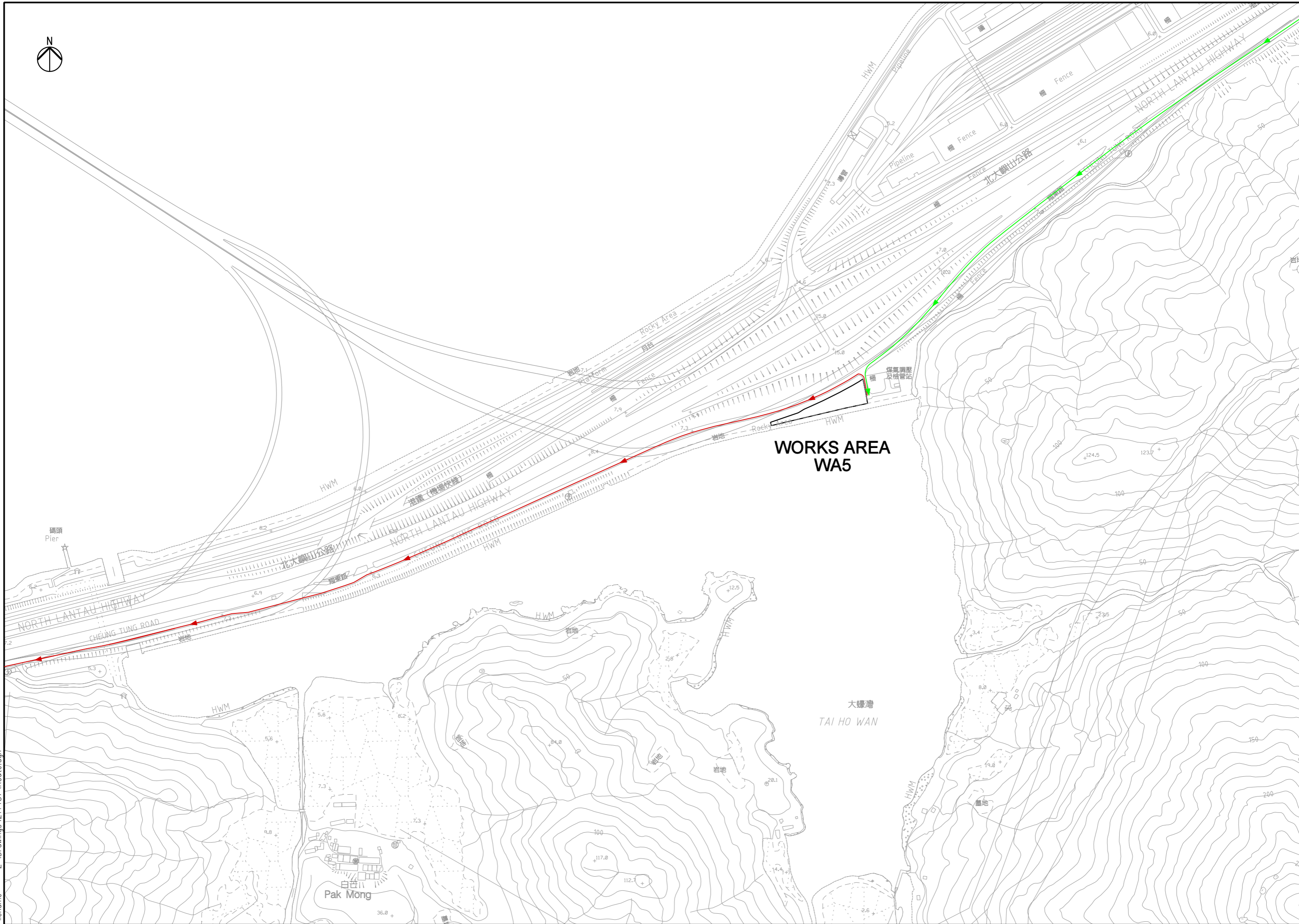
Drawing title
**WORKS AREAS
 KEY PLAN**

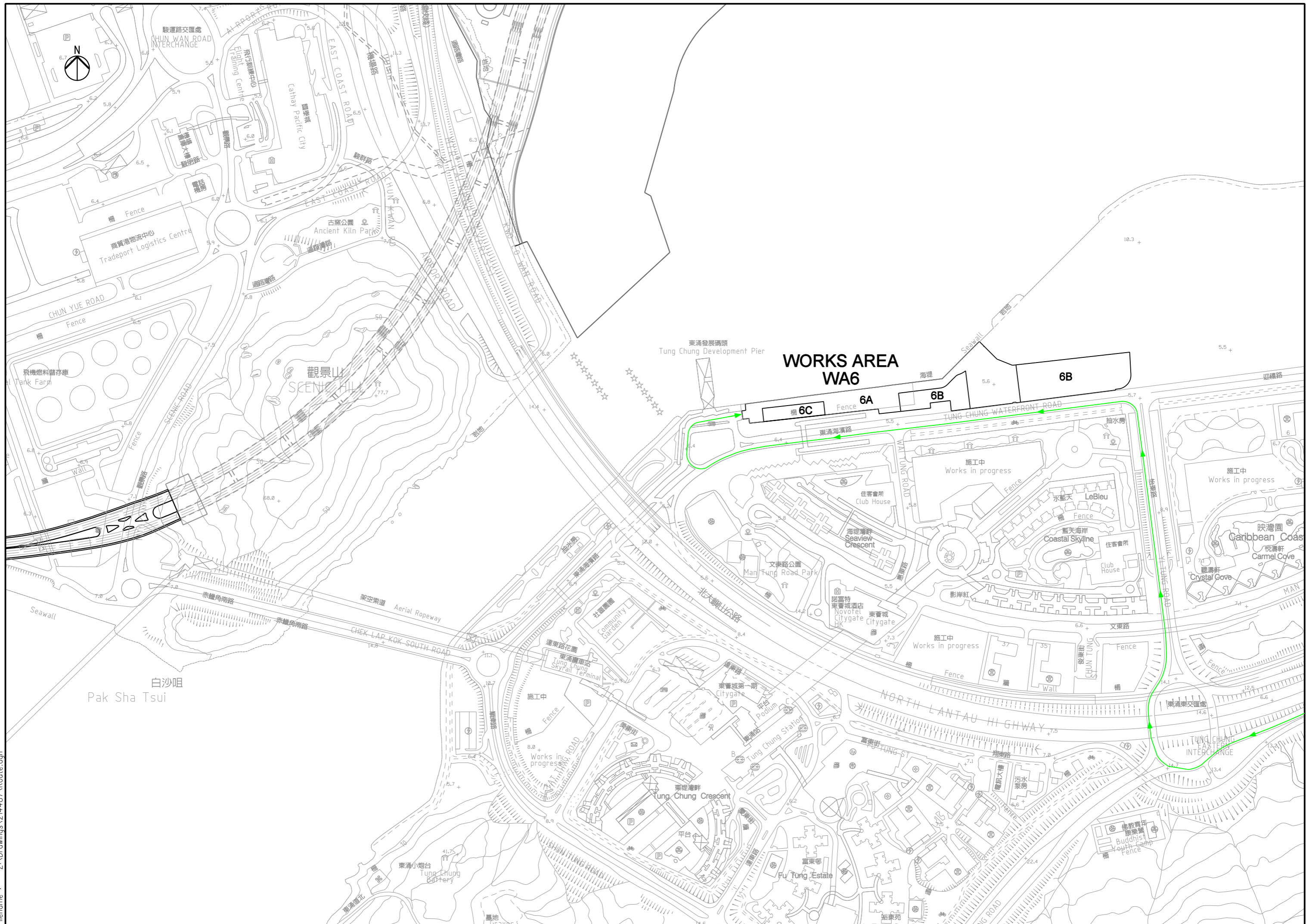
Drawing no.		214487/2/T/130		Rev.	A
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RY	02/12	IL	SK		
Scale	1:30000 @A1		Status	TENDER	

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白沙咀
Pak Sha Tsui

WORKS AREA
WA6

6B

6C

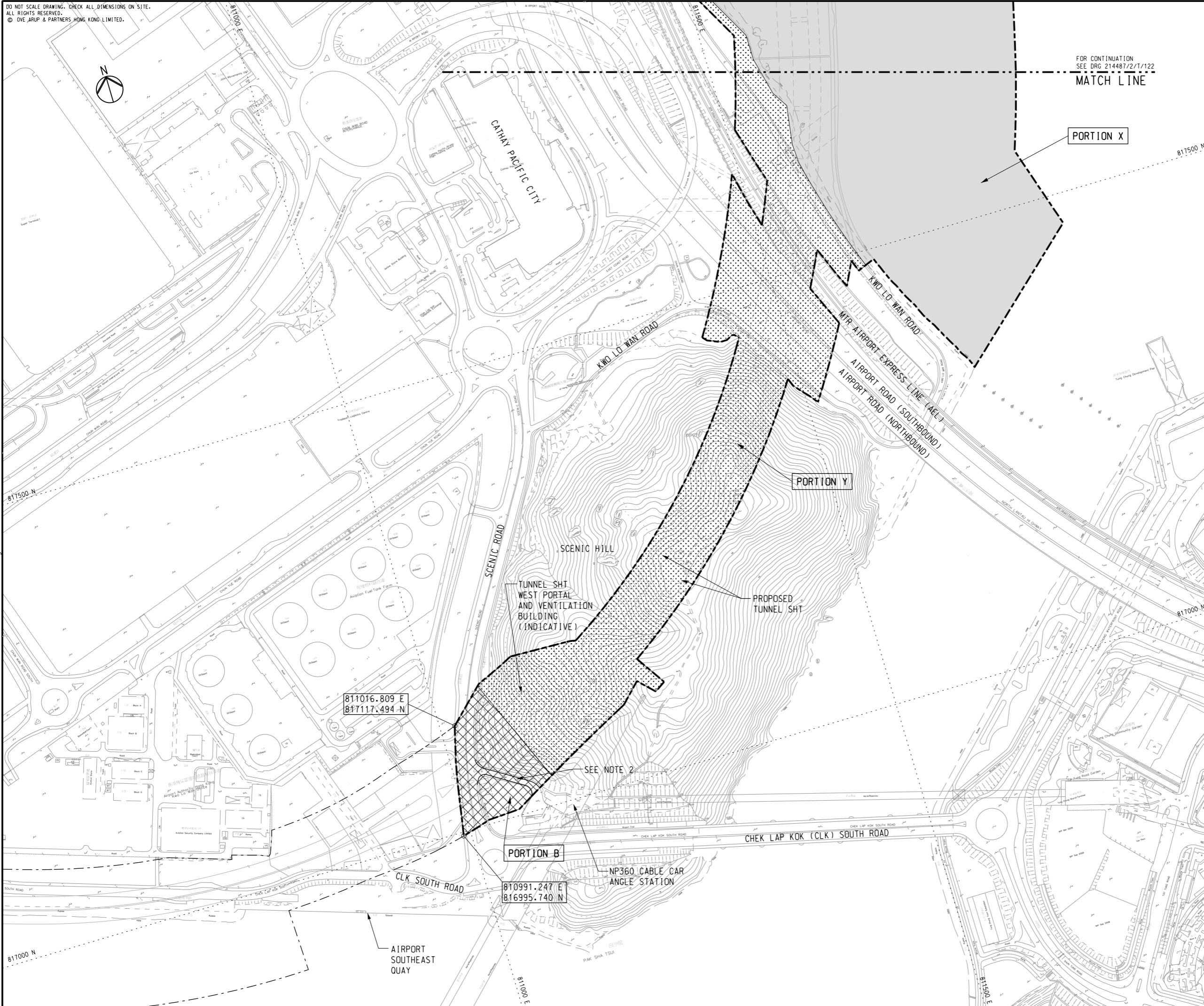
6A

6B

映灣園
Caribbean Coast
Carmel Cove
Crystal Cove

東涌東交匯處
TUNG CHUNG
EASTERN
INTERCHANGE

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NOTES

- FOR DETAILED DESCRIPTION OF PORTION OF SITE, REFER TO ER PART 2 GENERAL SITE DATA.
- 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

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A	TENDER ISSUE	IL	02/12
Rev	Description	By	Date

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
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Drawing title
**PORTION OF SITE
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HONG KONG INTERNATIONAL AIRPORT
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PORTION Y

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(CAD) NEW HEADQUARTERS

EXISTING DRAGONAIR HEADQUARTERS
EXISTING CNAC TOWER

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SEE DRG 214487/2/T/123
MATCH LINE

PORTION X

MATCH LINE
FOR CONTINUATION
SEE DRG 214487/2/T/121

NOTES

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

A	TENDER ISSUE	IL	02/12
Rev	Description	By	Date

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)

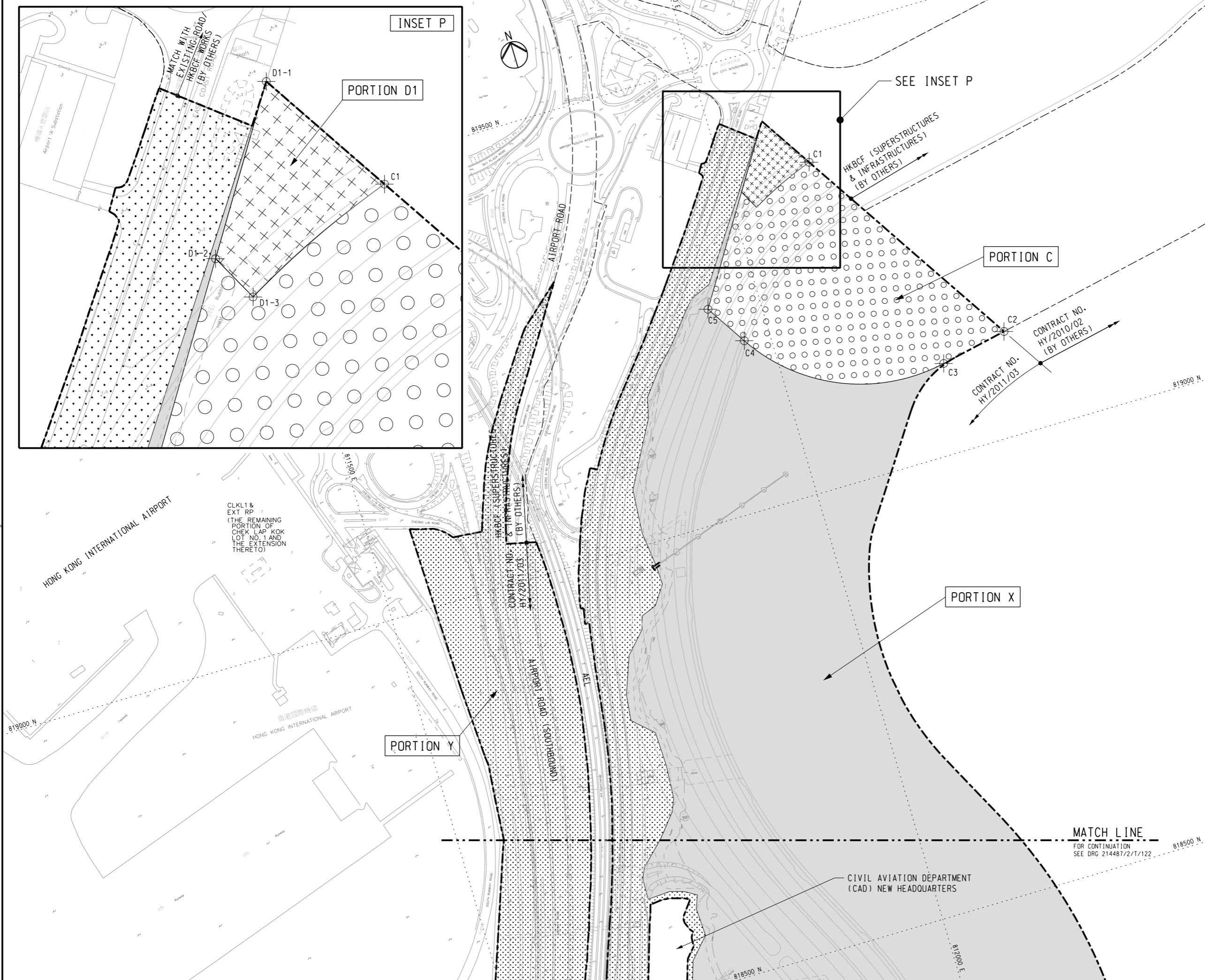
Drawing no. 214487/2/T/122		Rev. A	
Drawn RY	Date 02/12	Checked IL	Approved SK
Scale 1:2000 @A1	Status	TENDER	

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NOTES

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

SETTING OUT CO-ORDINATES OF SITE PORTION C

POINT	CO-ORDINATES	
	EASTING	NORTHING
C1	812097.481	819361.966
C2	812254.199	819116.562
C3	812178.695	819101.208
C4	811970.282	819189.551
C5	811941.125	819235.206

SETTING OUT CO-ORDINATES OF SITE PORTION D1

POINT	CO-ORDINATES	
	EASTING	NORTHING
D1-1	812059.460	819421.497
D1-2	812014.853	819351.273
D1-3	812026.200	819329.938

Rev	Description	By	Date
A	TENDER ISSUE	IL	02/12

Consultant
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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)**

Match Line
FOR CONTINUATION
SEE DRG 214487/2/T/122

Drawing no. 214487/2/T/123		Rev. A	
Drawn RY	Date 02/12	Checked IL	Approved SK
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路政署
HIGHWAYS DEPARTMENT
港珠澳大橋香港工程管理局
Hong Kong - Zhuhai - Macao Bridge
Hong Kong Project Management Office

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