RAMBOLL ENVIRON

Ref.: HYDHZMBEEM00_0_5994L.17

14 November 2017

By Fax (3468 2076) and By Post

AECOM Asia Co. Ltd.
The PRE's Office
5 Ying Hei Road, Tung Chung, Lantau
Hong Kong

Attention: Mr. Michael Tovey

Dear Sir,

Re: Agreement No. CE 48/2011 (EP)
Environmental Project Office for the
HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities, and Tuen Mun-Chek Lap Kok Link – Investigation

Contract No. HY/2013/01 – HZMB HKBCF – Passenger Clearance Building
Monthly Environmental Monitoring & Audit Report for October 2017

Reference is made to the Environmental Team's submission of Monthly Environmental Monitoring & Audit Report No. 37 for October 2017 (Rev. 2) certified by the ET Leader (ET's ref.: "5126871/17.20/OC107/KC/EW" dated 14 November 2017) and provided to us via e-mail on 14 November 2017.

We are pleased to inform you that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 5.4 of the Environmental Permit No. EP-353/2009/K.

Thank you very much for your attention and please feel free to contact the undersigned should you require further information.

Yours faithfully,
For and on behalf of
Ramboll Environ Hong Kong Limited

Raymond Dai
Independent Environmental Checker

c.c.	HyD	Mr. Vico Cheung	(By Fax: 3188 6614)
	HyD	Ms. Lowell Chiu	(By Fax: 3188 6614)
	Atkins	Mr. Keith Chau	(By Fax: 2890 6343)
	LCWJV	Mr. Owen Leung	(By Fax: 3621 0180)

Internal: DY, YH, ENPO Site

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Your ref.
Our ref. 5126871/17.20/OC107/KC/EW

Date: 14 November 2017

By Post and e-mail (Michael.Lee@lcwjv.com)

Leighton – Chun Wo Joint Venture
39/F Sun Hung Kai Centre
30 Harbour Road
Hong Kong

Attn: Mr. Michael Lee

Dear Mr. Lee,

Contract No. HY/2013/01
Hong Kong – Zhuhai – Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building
Certification of Monthly EM&A Report No. 37

Atkins China Limited certifies, in the capacity of Environmental Team Leader, that the Monthly EM&A Report No. 37 for October 2017 (Revision 2) conforms the requirements provided in Condition 5.4 of the Environmental Permit No. EP-353/2009/K.

Yours faithfully,
for and on behalf of
Atkins China Limited

Keith Chau
Environmental Team Leader

cc.
1. AECOM – Mr. Michael Tovey (By Fax.: 3468 2076)
2. IEC / ENPO – Mr. Raymond Dai & Mr. Y.H. Hui (By Fax.: 3465 2899)

阿特金斯是阿特金斯顧問有限公司的商業名稱。
Atkins is a trading name of Atkins China Limited.

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/2013/01

Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Monthly EM&A Report No. 37
(Covering the Period from 1 October 2017 to 31 October 2017)

14 November 2017

Revision 2

Main Contractor

LEIGHTON 禮頓
俊和 CHUN WO
Leighton - Chun Wo Joint Venture

Environmental Team

ATKINS
Member of the SNC-Lavalin Group

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Executive Summary

This monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract HY/2013/01 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities (HKBCF) – Passenger Clearance Building (hereafter referred to as "the Contract") for the Highways Department of Hong Kong Special Administrative Region (HKSAR). The Contract was awarded to Leighton – Chun Wo Joint Venture (hereafter referred to as "the Contractor") and Atkins China Limited was appointed as the Environmental Team (ET) by the Contractor.

The Contract is part of Hong Kong – Zhuhai – Macao Bridge HKBCF which is a "Designated Project", under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap 499) and Environmental Impact Assessment (EIA) Report (Register No. AEIAR-145/2009) was prepared for the Project. The current Environmental Permit (EP) No. EP-353/2009/K for HKBCF was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. Site preparation works of the Contract started on 26 September 2014 and the construction works of the Contract commenced on 6 October 2014.

Atkins China 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 HKBCF (Version 1.0) and will be providing environmental team services to the Contract.

This is the thirty-seventh monthly EM&A Report for the Contract which summarizes findings of the EM&A works during the reporting period from 1 to 31 October 2017.

Environmental Monitoring and Audit Progress

The monthly EM&A programme was undertaken in accordance with the Updated EM&A Manual for HKBCF (Version 1.0). The air quality, noise, water quality and dolphin monitoring works under Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works were suspended from 1 September 2017. The ET of Contract No. HY/2013/01 is required and continues the same implementation of environmental monitoring commencing on 1 September 2017. It should be noted that the air quality monitoring station (AMS 6) is covered by Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road – Section between Scenic Hill and HKBCF.

A summary of the monitoring activities during the reporting period are listed below:

1-hour TSP Monitoring:	3, 4, 6, 10, 12, 16, 18, 20, 24, 26 and 30 October 2017
24-hour TSP Monitoring:	3, 6, 9, 11, 13, 17, 19, 23, 25, 27 and 31 October 2017
Noise Monitoring:	3, 4, 9, 10, 16, 18, 24, 26 and 30 October 2017
Water Quality Monitoring:	2, 4, 6, 9, 11, 13, 16, 18, 20, 23, 25, 27 and 30 October 2017
Chinese White Dolphin Monitoring:	6, 12, 17 and 19 October 2017
Environmental Site Inspection:	4, 11, 18 and 25 October 2017

Breaches of Action and Limit Levels

A summary of environmental exceedances for the reporting period are listed below:

Environmental Monitoring	Parameters	Action Level (AL)	Limit Level (LL)
Air Quality	1-hr TSP	-	-
	24-hr TSP	-	-
Noise	$L_{eq\ (30\ min)}$	-	-
Water Quality	Suspended solids level (SS)	5	-
	Turbidity level	-	-
	Dissolved oxygen level (DO)	7	8
Dolphin Monitoring	Quarterly Analysis	-	-

Complaint Log

According to ENPO's email to the Environmental Team, Engineer's Representative and Contractor on 27 October 2017, it was noted that EPD received a complaint regarding the water quality at C3 area.

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaints
009	27 October 2017	Water Quality

According to the observation of weekly site inspections (4, 11, 18 and 25 October 2017 and 1 November 2017) and confirmed by the Contractor, the wastewater generated on site is treated by the wastewater treatment facilities (sedimentation tank and AquaSed) before discharge. No site runoff within the Contract site was observed.

Total 5 Action Level exceedances of Suspended Solid were recorded at SR5(N), IS(Mf)11 and SR7 on 18, 20 and 23 October 2017. After the investigation which concluded the exceedances were not related to the Contract. Based on the investigation results, it is found that the complaint is not related to Contract No. HY/2013/01.

Notifications of Summons and Successful Prosecutions

There was no notifications of summons or prosecutions received during the reporting period.

Reporting Change

There was no reporting change during the reporting period.

Future Key Issues

The future key issues to be undertaken in the upcoming month include:

Land Based work

- Waterproofing
- Backfilling
- Formwork and falsework stripping
- Pipework and ductwork installation
- Hanger rods for cable container
- Wet trade works
- Dry trade works
- Mechanical, Electrical and Plumbing (MEP) High Level Containment
- Removal of temporary works
- Window wall glazing
- Heat exchanger installation
- Curtain wall glaring
- Hanging scaffolding removal
- Footbridge construction
- Refuse collection point
- Southern toilet
- Miscellaneous steelwork
- Lift installation
- Escalator Installation
- Glazed lift Installation
- Road and Kerbing
- Testing and Commissioning works
- Water features and planters

No marine based construction work to be undertaken in the upcoming month.

1 Introduction

1.1 Basic Project Information

1.1.1 This monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract HY/2013/01 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Passenger Clearance Building (hereafter referred to as "the Contract") for the Highways Department of Hong Kong Special Administrative Region. The Contract was awarded to Leighton – Chun Wo Joint Venture (hereafter referred to as "the Contractor") and Atkins China Limited was appointed as the Environmental Team (ET) by the Contractor.

1.1.2 The Contract is part of Hong Kong – Zhuhai – Macao Bridge Hong Kong Boundary Crossing Facilities (HKBCF) which is a "Designated Project", under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap 499). An Environmental Impact Assessment (EIA) Report (Register No. AEIAR-145/2009) was prepared for the Project. The current Environmental Permit (EP) No. EP-353/2009/K for HKBCF was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. Site preparation work of the Contract started on 26 September 2014 and the construction works of the Contract commenced on 6 October 2014. The works areas of the Contract are shown in **Appendix A**.

1.1.3 The proposed works under this Contract comprise the following:

- Construction of Passenger Clearance Building (PCB) including architectural and builders works, structural steel roof and reinforced concrete frames, basement, piled foundations, aluminium roof, curtain wall facades, building services and electrical and mechanical works;
- Installation of district cooling system including seawater cooling intake pumping station, seawater intake and discharge water pipelines work; Installation of Chilled water cooling pipelines system, heat exchanger and chilled pumping system;
- Construction of transport and associated facilities connecting to the PCB entailing the Emergency Vehicular Access, an at-grade mainland side drop-off area, an Hong Kong side elevated drop-off deck and 8 numbers of footbridge links;
- Construction of a public toilet, 6 numbers of C&ED observation booths, a generator set building and a refuse storage & material recovery chamber;
- Construction of a section of 70m common utilities enclosure and staff subway and civil provisions for associated electrical and mechanical works;
- Construction of drainage, sewerage, fresh water & flushing water supply and utilities & service works;
- Construction of civil provisions, including draw pits & ducting for Traffic Control and Surveillance System (TCSS) and Extra Low Voltage System (ELV);
- Construction of box culvert A;
- Construction of 2 numbers of vehicular bridge abutments at mainland side pickup area earthmound;
- Construction of geotechnical works including top up the existing earth mound from +11.5mPD to the finished level as stated in the Contract, reinforced earth slope and fill slopes and special backdrop manhole at mainland side pickup area earthmound;
- Landscape hardworks and softworks; and
- Other works which are shown on the Drawings or specified in the Specification or which may be ordered in accordance with the Contract.

1.1.4 This is the thirty-seventh monthly EM&A Report for the Contract which summarizes the audit findings of the EM&A programme during the reporting period from 1 to 31 October 2017.

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 B**. 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
Engineer or Engineer's Representative (AECOM Asia Co. Ltd.)	Chief Resident Engineer	Michael Tovey	3958 7470	3468 2076
Environmental Project Office / Independent Environmental Checker (Ramboll Environ Hong Kong Limited)	Environmental Project Office Leader	Y. H. Hui	3465 2888	3465 2899
	Independent Environmental Checker	Raymond Dai	3465 2888	3465 2899
Contractor (Leighton – Chun Wo Joint Venture)	Project Manager	Owen Leung	9232 5750	3621 0180
	Environmental Officer	Michael Lee	9502 5887	3621 0180
Environmental Team (Atkins China Limited)	Environmental Team Leader	Keith Chau	2972 1721	2890 6343
24 hours complaint hotline	---	---	3958 7300	---

1.3 Construction Programme

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

1.4 Construction Works Undertaken During the Reporting Period

1.4.1 A summary of the construction activities undertaken during this reporting period is shown below:

Land Based work

- Waterproofing
- Backfilling
- Formwork and falsework stripping
- Western vertical column
- Blockwork walls
- Pipework and ductwork installation
- Hanger rods for cable container
- Wet trade works
- Dry trade works
- Façade Bracket for Cabins
- MEP High Level Containment
- Removal of temporary works
- Window wall glazing
- Heat exchanger installation
- Heavy MEP plant set up in basement
- Double Bow Truss installation

- Mullion Frame Installation
- Curtain wall glaring
- Hanging scaffolding
- Footbridge construction
- Roof cladding
- Refuse collection point
- Southern toilet
- MISC steelwork
- Lift installation
- Escalator installation
- Glazed lift installation
- Road and Kerbing
- Testing and commissioning works

Marine Based work

- Seawater intake seawall reinstatement
- Seawater outfall pipe laying

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 Total Suspended Particulates (TSP) levels at 4 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 the 1-hour and 24-hour TSP are provided in **Table 2.1** and **2.2** respectively.

Table 2.1 Action and Limit Levels for 1-hour TSP

Monitoring Station	Action Level, µg/m³	Limit Level, µg/m³
AMS 2 - Tung Chung Development Pier	374	500
AMS 3B - Site Boundary of Site Office Area at Work Area WA2	368	
AMS 6 - Dragonair / CNAC (Group) Building (HKIA)	360	
AMS 7 - Hong Kong SkyCity Marriott Hotel	370	

Table 2.2 Action and Limit Levels for 24-hour TSP

Monitoring Station	Action Level, µg/m³	Limit Level, µg/m³
AMS 2 - Tung Chung Development Pier	176	260
AMS 3B - Site Boundary of Site Office Area at Work Area WA2	167	
AMS 6 – Dragonair / CNAC (Group) Building (HKIA)	173	
AMS 7 - Hong Kong SkyCity Marriott Hotel	183	

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 AMS2 and AMS7 were set up at the purposed locations in accordance with Contract Specific EM&A Manual. For monitoring location AMS3 (Ho Yu College), as proposed in the Contract Specific EM&A Manual, approval for carrying out impact monitoring could not be obtained from the principal of the school. Permission on setting up and carrying out impact monitoring works at nearby sensitive receivers, like Caribbean Coast and Coastal Skyline, was also sought. However, approvals for carrying out impact monitoring works within their premises were not obtained. Impact air quality monitoring was conducted at site boundary of the site office area in Works Area WA2 (AMS3B) respectively. Same baseline and Action Level for air quality, as derived from the baseline monitoring data recorded at Ho Yu College, was adopted for this alternative air quality location.

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

Table 2.4 Construction Dust Monitoring Locations

ID	Location Description
AMS 2	Tung Chung Development Pier
AMS 3B	Site Boundary of Site Office Area at Work Area WA2
AMS 6	Dragonair/CNAC (Group) Building
AMS 7	Hong Kong SkyCity Marriott Hotel

Remarks:

(1) The ET of this Contract should conduct impact air quality monitoring at the AMS listed in the table as part of EM&A programme according to the latest notification from ENPO when the monitoring station(s) is/are no longer covered by another ET of the HZMB project.

(2) The original monitoring location was at Hong Kong SkyCity Marriott Hotel (AMS7). As the permission to carry out air quality monitoring at Hong Kong SkyCity Marriott Hotel was not granted after 31 January 2015, the monitoring location was relocated to Chu Kong Air-Sea Union Transportation Co. Ltd. (AMS7A) from 5 February 2015 to 30 December 2015. The alternative monitoring location at Chu Kong Air-Sea Union Transportation Co. Ltd. was approved by EPD on 5 February 2015. However, AMS7A was relocated back to its original location (AMS7-Hong Kong SkyCity Marriott Hotel) on 30 December 2015. The relocation of air quality monitoring location, AMS7A, back to AMS7 was approved by EPD on 21 December 2015.

2.4 Monitoring Parameters, Frequency and Duration

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

Table 2.5 Air Quality Monitoring Parameters, Frequency and Duration

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

2.5 Monitoring Methodology

2.5.1 24-hour TSP Monitoring

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

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

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

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

(iv) No furnace or incinerator flues are nearby.

(v) Airflow around the sampler was unrestricted.

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

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

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

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

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

(b) Preparation of Filter Papers

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

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

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

(c) Field Monitoring

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

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

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

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

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

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

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

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

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

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

(xi) The initial elapsed time was recorded.

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

(xiii) The final elapsed time was recorded.

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

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

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

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

(d) Maintenance and Calibration

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

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

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

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 G**.

2.6 Monitoring Schedule for the Reporting Month

2.6.1 The schedule for air quality monitoring in October 2017 is provided in **Appendix M**.

2.7 Monitoring Results

2.7.1 The monitoring results for 1-hour and 24-hour TSP are summarized in **Table 2.6** and **2.7** respectively. Detailed impact air quality monitoring results are presented in **Appendix D**.

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

Monitoring Station	Average, µg/m³	Range, µg/m³	Action Level, µg/m³	Limit Level, µg/m³
AMS2	45	26 - 92	374	500
AMS3B	35	16 - 58	368	
AMS7	46	29 - 102	370	

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

Monitoring Station	Average, µg/m³	Range, µg/m³	Action Level, µg/m³	Limit Level, µg/m³
AMS2	75	27 - 107	176	260
AMS3B	79	36 - 119	167	
AMS7	91	42 - 120	183	

2.7.2 No Action and Limit Level exceedances of 1-hour and 24-hour TSP were recorded at AMS2, AMS3B and AMS7 during the reporting month.

2.7.3 Summary of Action and Limit Level exceedance of 1-hr TSP level and 24-hr TSP level at AMS6 shall be referred to the monthly EM&A report prepared by Contract No. HY/2011/03.

2.7.4 The event and action plan is provided in **Appendix H.**

2.7.5 The wind data obtained from the on-site wind station (as shown in Figure 2.1) during the reporting month is provided in **Appendix F**.

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 Contract. The Action and Limit Level for 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
NMS2	0700-1900 hours on normal weekdays	When one documented complaint is received.	75 dB(A)
NMS3B			65/70 dB(A)*

Remark:
* The Action and limit Levels for schools will be applied for NMS3B. Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65 dB(A) applies during the school examination period.

3.2 Monitoring Equipment

3.2.1 Noise monitoring was performed using sound level meters at each designed 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 NM2 was set up at the proposed locations in accordance with Contract Specific EM&A Manual. However, for monitoring location NM3 (Ho Yu College), as proposed in the Contract Specific EM&A Manual, approval for carrying out impact monitoring could not be obtained from the principal of school. Permission on setting up and carry out impact monitoring works at nearby sensitive receivers, like Caribbean Coast and Coastal Skyline, was also sought. However, approvals for carrying out impact monitoring works within their premises were not obtained. Impact noise monitoring was conducted at site boundary of the site office area in Work Area WA2 (NMS3B) respectively. Same baseline noise level (as derived from the baseline monitoring data recorded at Ho Yu College) and Limit Level were adopted for this alternative noise monitoring location.

3.3.2 **Figure 3.1** shows the locations of noise monitoring stations. **Table 3.3** describes the details of monitoring stations.

Table 3.3 Construction Noise Monitoring Locations

ID	Location Description
NMS2	Seaview Crescent
NMS3B	Site Boundary of Site Office Area at Works Area WA2

Remarks:

(1) The ET of this Contract should conduct impact noise monitoring at the NMS listed in the table as part of EM&A programme according to the latest notification from ENPO when the monitoring station(s) is/are no longer covered by another ET of the HZMB project.

(2) The Action and limit Levels for schools will be applied for NMS3B. Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65 dB(A) applies during the school examination period.

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-minutes 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 measurement at NMS3B was free-field measurement and NMS 2 was Façade measurement. A correction of +3dB(A) shall be made to the free-field measurement.

(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. 0700-1900 on normal workdays.

(d) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.

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

(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 G.**

3.6 Monitoring Schedule for the Reporting Month

3.6.1 The schedule for construction noise monitoring in October 2017 is provided in **Appendix M**.

3.7 Monitoring Results

3.7.1 The monitoring results for construction noise are summarized in **Table 3.5**. Detailed monitoring results and relevant graphical plots are presented in **Appendix D**.

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

Monitoring Stations	Average, dB(A) $L_{eq\ (30\ mins)}$	Range, dB(A) $L_{eq\ (30\ mins)}$	Limit Level, dB(A) $L_{eq\ (30\ mins)}$
NMS2	65	64 - 66	75
NMS3B(*)	66	65 - 67	70/65

Remark:
(*)The Action and limit Levels for schools will be applied for NMS3B. Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65 dB(A) applies during the school examination period.

3.7.2 The event and action plan is provided in **Appendix H.**

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, measurement were taken in accordance with the Contract Specific EM&A Manual. **Table 4.1** shows the established Action and Limit Levels for the environmental monitoring works.

Table 4.1 Action and Limit Levels for Water Quality

Parameters	Action Level	Limit Level
DO in mg L^{-1} (Surface, Middle & Bottom)	Surface and Middle 5.0 Bottom 4.7	Surface and Middle 4.2 (except 5 mg/L for FCZ) Bottom 3.6
SS in mg L^{-1} (depth-averaged) at all monitoring stations and control stations	23.5 and 120% of upstream control station's SS at the same tide of the same day*	34.4 and 130% of upstream control station's SS at the same tide of the same day and 10mg/L for WSD Seawater intakes*
Turbidity in NTU (depth-averaged)	27.5 and 120% of upstream control station's turbidity at the same tide of the same day*	47.0 and 130% of upstream control station's turbidity at the same tide of the same day*

Remarks: * Reference is made to EPD approval of adjustment of water quality assessment criteria issued and became effective on 18 February 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 limits occurs when monitoring result is lower than the limits.
3. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
4. All the figures given in the table are used for reference only and the EPD may amend the figures whenever it is considered as necessary.
5. The 1%-ile of baseline data for dissolved oxygen (surface and middle) and dissolved oxygen (bottom) are 4.2 mg/L and 3.6 mg/L respectively.

4.2 Monitoring Equipment

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

Table 4.2 Water Quality Monitoring Equipment

Equipment	Brand and Model	Serial Number
DO and Temperature Meter, Salinity Meter, Turbidity Meter an pH Meter	YSI 6920 V2 Sonde	00019CB2 / 000109DF
DO and Temperature Meter, Salinity Meter, Turbidity Meter an pH Meter	YSI ProDSS	16J101716 / 17E102521

4.3 Monitoring Parameters, Frequency and Duration

4.3.1 **Table 4.3** summarizes the monitoring parameters, frequency and monitoring depths of impact water quality monitoring 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(N), IS(Mf)11, IS(Mf)16, IS17 **Control/Far Field Stations:** CS(Mf)3(N), CS(Mf)5, CS4, CS6, CSA **Sensitive Receiver Stations:** SR3, SR4(N), SR5(N), SR6, SR7, SR10A & SR10B(N)	- 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 (1m below water surface, mid-depth and 1m above sea bed, except where the water depth is less than 6m, in which case the mid-depth station may be omitted. Should the water depth less than 3m, only the mid-depth station will be monitored.)

4.4 Monitoring Location

4.4.1 In accordance with the Contract Specific EM&A Manual, a total of twenty-one stations (nine Impact Stations, seven Sensitive Receiver Stations and five Control/Far Field Stations) were designated for impact water quality monitoring. The nine Impact Stations (IS) were chosen on the basis of their proximity to the reclamation and thus the greatest potential for water quality impacts, the seven Sensitive Receiver Stations (SR) were chosen as they are close to the key sensitive receives and the five Control/ Far Field 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 water quality monitoring stations at CS(Mf)3 (Coordinate: 809989E, 821117N), IS10 (Coordinate: 812577E, 820670N) and SR5 (811489E, 820455N) have been occupied by the marine work of a designated project - Expansion of Hong Kong International Airport into a Three-Runway System (3RS Project). The alternative water quality monitoring station at CS(Mf)3(N) (Coordinate: 808814E, 822355N), IS10(N) (Coordinate: 812942E, 820881N) and SR5(N) (812569E, 8201475N) were justified and verified by the ET Leader for Contract No. HY/2010/02 and the IEC respectively on 24 March 2017 and it was approved by EPD on 12 May 2017.

4.4.3 **Table 4.4** and **Figure 4.1** shows the locations of water quality monitoring stations.

Table 4.4 Impact Water Quality Monitoring Stations

Station	Description	East	North
IS5	Impact Station (Close to HKBCF construction site)	811579	817106
IS(Mf)6	Impact Station (Close to HKBCF construction site)	812101	817873
IS7	Impact Station (Close to HKBCF construction site)	812244	818777
IS8	Impact Station (Close to HKBCF construction site)	814251	818412

Station	Description	East	North
IS(Mf)9	Impact Station (Close to HKBCF construction site)	813273	818850
IS10(N)*	Impact Station (Close to HKBCF construction site)	812942	820881
IS(Mf)11	Impact Station (Close to HKBCF construction site)	813562	820716
IS(Mf)16	Impact Station (Close to HKBCF construction site)	814328	819497
IS17	Impact Station (Close to HKBCF construction site)	814539	820391
SR3^	Sensitive receivers (San Tau SSSI)	810525	816456
SR4(N)	Sensitive receivers (Tai Ho)	814705	817859
SR5(N)*	Sensitive receiver (Artificial Reef in NE Airport)	812569	821475
SR6	Sensitive receivers (Sha Chau and Lung Kwu Chau Marine Park)	805837	821818
SR7	Sensitive receivers (Tai Mo Do)	814293	821431
SR10A^	Sensitive receivers (Ma Wan FCZ) 1	823741	823495
SR10B(N)^	Sensitive receivers (Ma Wan FCZ) 2	823683	823187
CS(Mf)3(N)*	Control Station	808814	822355
CS(Mf)5	Control Station	817990	821129
CS4	Control Station	810025	824004
CS6	Control Station	817028	823992
CSA	Control Station	818103	823064

Remarks:

*Alternative water quality monitoring stations at CS(Mf)3(N), SR5(N) and IS10(N) were justified and verified by the ET Leader for Contract No. HY/2010/02 and the IEC respectively on 24 March 2017 and it was approved by EPD on 12 May 2017.

^ Water sampling team reported that the monitoring stations at SR3, SR10A and SR10B(N) were not available for water sampling due to safety reason, thus, monitoring stations were changed to tentative coordination (i.e. SR3(N): E810689 N816591; SR10A(N): E823644 N823484 and SR10B(N2): E823689 N823159).

4.5 Monitoring Methodology

4.5.1 Instrumentation

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

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, 1m below water surface, mid-depth and 1m above sea bed, except where the water depth was less than 6m, in which case the mid-depth station was omitted. Should the water depth be less than 3m, 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. For QA/QC procedures, one duplicate samples of every batch of 20 samples was analyzed.

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

Table 4.5 Laboratory Analysis for Suspended Solids

Parameters	Instrumentation	Analytical Method	Reporting Limit	Detection Limit
Suspended Solids (SS)	Weighting	APHA 2540-D	0.5mg/L	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 Calibration

(a) All in situ monitoring instruments would be calibrated and calibrated by ALS Technichem (HK) Pty Ltd. before use and at 3-monthly intervals throughout all stages of the water quality monitoring programme. Calibration details are provided in **Appendix G**.

(b) The dissolved oxygen probe of YSI 6820 was calibrated by wet bulb method. Before the calibration routine, the sensor for dissolved oxygen was thermally equilibrated in water-saturated air. Calibration cup is served as a calibration chamber and it was loosened from airtight condition before it is used for the calibration. Calibration at ALS Technichem (HK) Pty Ltd. was carried out once every three months in a water sample with a known concentration of dissolved oxygen. The sensor was immersed in the water and after thermal equilibration, the known mg/L value was keyed in and the calibration was carried out automatically.

(c) The turbidity probe of YSI 6820 is calibrated two times a month. A zero check in distilled water was performed with the turbidity probe of YSI 6820 once per monitoring day. The probe will be calibrated with a solution of known NTU at ALS Technichem (HK) Pty Ltd. once every three months.

4.6 Monitoring Result

4.6.1 Impact water quality monitoring results and graphical plots are provided in **Appendix D**.

4.6.2 For impact water quality monitoring, number of exceedances recorded during the reporting month at each impact station are summarised in **Table 4.6**.

4.6.3 During the reporting period, there were 2 Action Level and 3 Limit Level exceedances have been recorded for Dissolved Oxygen during mid-ebb tide marine quality monitoring. Also there were 5 Action Level and 5 Limit Level exceedances have been recorded for Dissolved Oxygen during mid-flood tide marine quality monitoring.

4.6.4 There was no Action Level and Limit Level exceedance has been recorded for Turbidity during mid-ebb tide and mid-flood tide marine quality monitoring.

4.6.5 There was no Action Level and Limit Level exceedance has been recorded for Suspended Solids during mid-ebb tide marine quality monitoring. And there were 5 Action Level and no Limit Level exceedance have been recorded for Suspended Solids during mid-flood tide marine quality monitoring.

4.6.6 As confirmed by the Contractor, no marine transportation and marine-based work was conducted during the water quality exceedance days. Therefore, it is concluded that the exceedances were not related the Contract. The detailed investigation results of these exceedances recorded are shown in **Appendix N.**

4.6.7 The event and action plan is provided in **Appendix H.**

Table 4.6 Summary of Water Quality Exceedances

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
IS5	Action Level								
	Limit Level								
IS(Mf)6	Action Level								
	Limit Level								
IS7	Action Level								
	Limit Level								
IS8	Action Level								
	Limit Level								
IS(Mf)9	Action Level								
	Limit Level								
IS10(N)	Action Level								
	Limit Level								
IS(Mf)11	Action Level								2017-10-20
	Limit Level								
IS(Mf)16	Action Level								
	Limit Level								

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
IS17	Action Level								
	Limit Level								
SR3(N)	Action Level								
	Limit Level								
SR4(N)	Action Level								
	Limit Level								
SR5(N)	Action Level								2017-10-18; 2017-10-20; 2017-10-23
	Limit Level								
SR6	Action Level								
	Limit Level								
SR7	Action Level								2017-10-20
	Limit Level								
SR10A(N)	Action Level			2017-10-02; 2017-10-04;	2017-10-02; 2017-10-04;				
	Limit Level	2017-10-04;	2017-10-04;						
SR10B (N2)	Action Level				2017-10-02; 2017-10-04; 2017-10-06;				
	Limit Level	2017-10-04; 2017-10-06;	2017-10-02; 2017-10-04; 2017-10-06; 2017-10-09;						
Total	Action Level	0	0	2	5	0	0	0	5
		12							
	Limit Level	3	5	0	0	0	0	0	0
		8							

5 Dolphins Monitoring

5.1 Monitoring Requirement

5.1.1 Vessel based surveys for the Chinese White Dolphin (CWD), *Sousa chinensis*, are to be conducted by a dedicated team comprising a qualified marine mammal ecologist and experienced marine mammal observers (MMOs). The purpose of the surveys is to evaluate the impact of the HKCBF reclamation and, if deemed detrimental, to take appropriate action as per the EM&A manual.

5.1.2 The Action and Limit Level for dolphin monitoring are provided in **Table 5.1** and **5.2** respectively.

Table 5.1 Action and Limit Levels for Chinese White Dolphin Monitoring - Approach to Define Action Level (AL) and Limit Level (LL)

	North Lantau Social Cluster	
	Northeast Lantau (NEL)	**Northwest Lantau (NWL)**
Action Level	(STG < 70% of baseline) & (ANI < 70% of baseline)	(STG < 70% of baseline) & (ANI < 70% of baseline)
Limit Level	[(STG < 40% of baseline) & (ANI < 40% of baseline)] AND [(STG < 40% of baseline) & (ANI < 40% of baseline)]	

Remarks:

1. STG means no. of on-effort dolphin sightings per 100 km of survey effort
2. ANI means no. of dolphins from all on-effort sightings per 100 km of survey effort
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.

Table 5.2 Derived Value of Action Level (AL) and Limit Level (LL) for Chinese White 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)]	

5.1.3 The event and action plan is provided in **Appendix H.**

5.2 Monitoring Methodology and Location

Vessel-based Line-transect Survey

5.2.1 According to the requirement of the updated EM&A manual, dolphin monitoring programme should cover all transect lines in NEL and NWL survey areas **(Figure 1 of Appendix E)** twice per month throughout the entire construction period.

5.2.2 The co-ordinates for the transect lines and a layout map showing the transect lines have been provided by AFCD and are shown in **Table 5.3.**

Table 5.3 Impact Dolphin Monitoring Transect Line Co-ordinates

Transect Line No.	HK Grid System	
	Easting	Northing
1(#)	804671	815456
	804671	831404
2(#)	805476	820800
	805476	826654
3	806464	821150
	806464	822911
4	807518	821500
	807518	829230
5	808504	821850
	808504	828602
6	809490	822150
	809490	825352
7(#)	810499	822000
	810499	824613
8(#)	811508	821123
	811508	824254
9(#)	812516	821303
	812516	824254
10*	813525	820827
	813525	824657
11#	814556	818853
	814556	820992
12	815542	818807
	815542	824882
13	816506	819480
	816506	824859
14	817537	820220
	817537	824613
15	818568	820735
	818568	824433
16	819532	821420
	819532	824209
17	820451	822125
	820451	823671
18	821504	822371
	821504	823761
19	822513	823268
	822513	824321
20	823477	823402
	823477	824613
21	805476	827081
	805476	830562
22	806464	824033
	806464	829598
23	814559	821739
	814559	824768
24	805476	815900
	805476	819100

Remarks:

(a) * Due to the presence of deployed silt curtain systems at the site boundaries of the Contract, some of

the transect lines shown in Figure 1 of Appendix E could not be fully surveyed during the regular survey. Transect 10 is reduced from 6.4km to approximately 3.6km in length due to the HKBCF construction site. Therefore, the total transect length for both NEL and NWL combined is reduced to approximately 108km.

(b) # Coordinates for transect lines 1, 8, 9 and 11 have been updated in respect to the Proposal for Alteration of Transect Line for Dolphin Monitoring approved by EPD on 19 August 2015.

(c) Due to marine work of the Expansion of Hong Kong International Airport into a Three-Runway System (3RS Project), original transect lines of dolphin monitoring 2, 3, 4, 5, 6 and 7 are enclosed by works boundary of 3RS Project. Alternative dolphin monitoring transect lines 2, 3, 4, 5, 6, 7 and 24 are adopted starting from 17 May 2017 to replace the original transect lines.

(d) The change of transect lines 2, 3, 4, 5, 6 and 7 and new vessel-based transect line 24 for dolphin monitoring have been proposed due to the marine work of a designated project - Expansion of Hong Kong International Airport into a Three-Runway System (3RS Project). It was justified and verified by the ET Leader for Contract No. HY/2010/02 and the IEC respectively on 24 March 2017 and it was approved by EPD on 12 May 2017.

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

5.2.4 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 *Fuinon* marine binoculars.

5.2.5 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.

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

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

5.2.8 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.

5.2.9 Survey effort being conducted along the parallel transect lines that were perpendicular to the coastlines (as indicated in **Figure 1 of Appendix E**) 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.

5.2.10 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

5.2.11 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.

5.2.12 A professional digital camera (*Canon* EOS 7D or 60D model), equipped with long telephoto lenses (100-400 mm zoom), were available on board for researchers to take sharp, close-up photographs of dolphins as they surfaced. The images were shot at the highest available resolution and stored on Compact Flash memory cards for downloading onto a computer.

5.2.13 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.

5.2.14 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).

5.2.15 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.

5.3 Monitoring Schedule for the Reporting Month

5.3.1 The schedule for dolphin monitoring in October 2017 is provided in **Appendix M**.

5.4 Monitoring Result

Vessel-based Line-transect Survey

5.4.1 Two sets of systematic line-transect vessel surveys were conducted under the HKBCF dolphin monitoring programme on the 6, 12, 17 and 19 October 2017, to cover all transect lines in NWL and NEL survey areas twice. The survey routes of each survey day are presented in **Figures 2 to 5 of Appendix E**.

5.4.2 A total of 268.92 km of survey effort was collected, with 99.6% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility) during the September's surveys (**Annex I of Appendix E**).

5.4.3 Among the two areas, 98.00 km and 170.92 km of survey effort were collected from NEL and NWL survey areas respectively. The total survey effort conducted on primary and secondary lines were 190.93 km and 77.99 km respectively (**Annex I of Appendix E**).

5.4.4 During the two sets of monitoring surveys in October 2017, only one group of 12 Chinese White Dolphins were sighted (**Annex II of Appendix E**). The lone dolphin sighting^ was made in NWL, while no dolphin sighting was made in NEL.

5.4.5 From the October's surveys, the lone dolphin group^ was sighted during on-effort search and on secondary line (**Annex II of Appendix E**). The sighting was not associated with any operating fishing vessel.

5.4.6 Distribution of the lone dolphin sighting made in Octobert 2017 is shown in **Figure 6 of Appendix E**. The large group of dolphins was sighted just to the west of Lung Kwu Chau (**Figure 6 of Appendix E**). Notably, this sighting was made far away from the HKBCF reclamation site .

5.4.7 During the October's surveys, encounter rates of Chinese White Dolphins deduced from the survey effort and on-effort sighting data made under favourable conditions (Beaufort 3 or below) are shown in **Tables 5.4 and 5.5**.

Table 5.4 Dolphin encounter rates deduced from the two sets of HKBCF surveys (two surveys in each set) in September 2017 in Northeast (NEL) and Northwest Lantau (NWL)

		Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)	**Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort)
		Primary Lines Only	**Primary Lines Only**
NEL	Set 1: October 6th / 12th	0.0	0.0
	Set 2: October 17th / 19th	0.0	0.0
NWL	Set 1: October 6th / 12th	0.0	0.0
	Set 2: October 17th / 19th	0.0	0.0

Table 5.5 Overall dolphin encounter rates (sightings per 100 km of survey effort) from all four HKBCF surveys conducted in September 2017 on primary lines only as well as both primary lines and secondary lines in Northeast and Northwest Lantau

	Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)		**Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort)	
	Primary Lines Only	**Both Primary and Secondary Lines**	**Primary Lines Only**	**Both Primary and Secondary Lines**
Northeast Lantau	0.0	0.0	0.0	0.0
Northwest Lantau	0.0	0.6	0.0	7.1

5.4.8 The average dolphin group size in October 2017 was 12.0 individuals per group with a small sample size of only one group. The lone dolphin group was very large with 12 animals.

Photo-identification Work

5.4.9 Nine known individual dolphins were sighted nine times during October's surveys (**Annex III and IV of Appendix E).** All individuals were re-sighted only once during the monthly surveys in October.

5.4.10 Notably, two of these individuals (NL104 and NL233) were sighted with their young calves during their re-sightings in October 2017.

Remark:

^ The meaning of "the lone dolphin group" and "the lone dolphin sighting" is similar to "the single dolphin group" and "the single dolphin sighting", respectively.

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 period, site inspections were carried out on 4, 11, 18 and 25 October 2017.

6.1.2 Particular observations during the site inspections and corrective actions undertaken by the Contractor are described in **Table 6.1**.

Table 6.1 Summary of Environmental Site Inspections

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
27 September 2017	1. Chemical drums were found without proper chemical labels on 1/F at Row 4 PCB Building.	1. Proper chemical labels were provided to the chemical drums at Row 4 PCB Building.	4 October 2017
4 October 2017	No particular environmental issue was recorded during the site inspection.	Nil.	Nil.
11 October 2017	1. Unpaved road was observed dry near Row 5 PCB Building. 2. Bags of dusty materials were observed without proper cover on 1/F of Row 4 PCB Building.	1. Unpaved road was observed wet near Row 5 PCB Building. 2. Bags of dusty materials were removed on 1/F of Row 4 PCB Building.	18 October 2017
18 October 2017	1. Concrete breaking was observed without water spraying on 1/F of Row 4 PCB Building.	1. Water spraying was provided to dusty operation on 1/F of Row 4 PCB Building.	25 October 2017
25 October 2017	1. A chemical drum was found on G/F of Row 5 PCB Building.	1. The Contractor was reminded to provide a drip tray for the chemical drum on G/F of Row 5 PCB Building.	Follow-up action undertaken by the Contractor will be inspected during the site inspection to be undertaken in November 2017.

6.1.3 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 in November 2017.

6.2 Advice on the Solid and Liquid Waste Management Status

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

6.2.2 No marine sediment was generated in the reporting month. As informed by the Contractor in March 2016, the transfer of treated marine sediment to Contract no. HY/2010/02 has been discontinued since July 2015.

6.2.3 The monthly summary of waste flow table is detailed in **Appendix I**.

6.2.4 The Contractor was reminded that chemical waste should be properly treated and stored temporarily in designated chemical waste storage areas on site in accordance with the Code of Practice 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 period are summarized in **Appendix J**.

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 The Contractor conducts watering on all exposed soil within the Contract site and associated works areas 8 times per day when construction activities are being undertaken.

6.4.3 The marine traffic records and geographical plots of all the vessels tracks for the reporting month will be submitted by the Contractor to ER, ETL and IEC/ENPO within 3 weeks after the reporting month. As informed by the Contractor, there was no marine traffic since 2 June 2017.

6.4.4 Regarding the implementation of dolphin monitoring and protection measures (i.e. implementation of Dolphin Watching Plan, Dolphin Exclusion Zone and Silt Curtain integrity check), regular checking were conducted by the dolphin watcher(s) / dolphin observer(s) within the works area to ensure no dolphin was trapped by the enclosed silt curtain systems. No dolphin spotted within the enclosed silt curtain systems was reported and recorded during the reporting period. Silt curtain systems were also inspected timely in accordance to the submitted plan. All inspection records were kept properly.

6.4.5 Training was provided for barge operators in accordance with the Regular Marine Travel Routes Plan and relevant records were kept properly.

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

6.5 Summary of Exceedance of the Environmental Quality Performance Limit

6.5.1 For air quality monitoring, no Action and Limit Level exceedances of 1-hour and 24-hour TSP level were recorded at AMS2, AMS3B and AMS7 during the reporting month.

6.5.2 Summary of Action and Limit Level exceedance of 1-hour TSP level and 24-hour TSP level at AMS6 shall be referred to the monthly EM&A report prepared by Contract No. HY/2011/03.

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

6.5.4 For water quality monitoring during the reporting month, 2 Action Level exceedances of dissolved oxygen were recorded at mid-ebb tide while 5 Action Level exceedances of dissolved oxygen were recorded at mid-flood tide. 3 Limit Level exceedances of dissolved oxygen were recorded at mid-ebb tide while 5 Limit Level exceedances of dissolved oxygen were recorded at mid-flood tide.

6.5.5 No Action Level and Limit Level exceedance of turbidity was recorded at mid-ebb tide and mid-flood tide.

6.5.6 No Action Level exceedance of suspended solid was recorded at mid-ebb tide while 5 Action Level exceedances of suspended solid were recorded at mid-flood tide. No Limit Level exceedances of suspended solid were recorded at mid-ebb tide and mid-flood tide.

6.5.7 As confirmed by the Contractor, no marine transportation and marine-based work was conducted during the water quality exceedance days. Therefore, it is concluded that the exceedances were not related the Contract.

6.5.8 For dolphin monitoring, dolphin survey were conducted on 6, 12, 17 and 19 October 2017, A total of 268.92 km of survey effort was collected, with 99.6% of the total survey effort being conducted under favourable weather. Only one group of 12 Chinese White Dolphins were

sighted. The lone dolphin sighting was made in NWL, while no dolphin sighting was made at all in NEL.

6.6 Summary of Complaints, Notification of Summons and Successful Prosecution

6.6.1 There was one complaint received in relation to the environmental impact during the reporting period. A summary of environmental complaint is presented in Table 6-2. The details of cumulative statistics of Environmental Complaints are provide in **Appendix L**.

Table 6-2 A Summary of Environmental Complaints for the Reporting Month

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaints
009	27 October 2017	Water Quality

Environmental Compliant No. 009 – Water Quality

6.6.2 According to ENPO's email to the Environmental Team, Engineer's Representative and Contractor on 27 October 2017, it was noted that EPD received a complaint regarding the water quality at C3 area.

6.6.3 According to the observation of weekly site inspections (4, 11, 18 and 25 October 2017 and 1 November 2017) and confirmed by the Contractor, the wastewater generated on site is treated by the wastewater treatment facilities (sedimentation tank and AquaSed) before discharge. No site runoff within the Contract site was observed.

6.6.4 Based on water quality monitoring results in October 2017, total 5 Action Level exceedances of Suspended Solid were recorded at SR5(N), IS(Mf)11 and SR7 on 18, 20 and 23 October 2017. After the investigation which concluded the exceedances were not related to the Contract.

6.6.5 Based on the investigation results, it is found that the complaint is not related to Contract No. HY/2013/01.

6.6.6 No immediate mitigation measures are required as the complaint is not related to Contact No. HY/2013/01. However, The Contractor was also reminded to implement all necessary mitigation as specified in Environmental Mitigation Implementation Schedule of EIA, EM&A Manual, EMP, Method Statements, General and Particular Specifications of this Project to minimize environmental pollution.

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

6.6.8 Statistics on environmental complaints, notifications of summons and successful prosecutions are summarized in **Appendix L**.

7 Future Key Issues

7.1 Construction Programme for the Coming Months

7.1.1 As informed by the Contractor, the major construction activities for November 2017 are summarized in **Table 7-1**.

Table 7-1 Construction Activities for November 2017

Site Area	Description of Activities	Nature of Activities
WA1	Waterproofing	Land-Based
WA1	Backfilling	Land-Based
WA1	Formwork and falsework stripping	Land-Based
WA1	Pipework and ductwork installation	Land-Based
WA1	Hanger rods for cable container	Land-Based
WA1	Wet trade works	Land-Based
WA1	Dry trade works	Land-Based
WA1	MEP High Level Containment	Land-Based
WA1	Removal of temporary works	Land-Based
WA1	Window wall glazing	Land-Based
WA1	Heat exchanger installation	Land-Based
WA1	Curtain wall glaring	Land-Based
WA1	Hanging scaffolding removal	Land-Based
WA1	Footbridge construction	Land-Based
WA1	Refuse collection point	Land-Based
WA1	Southern toilet	Land-Based
WA1	MISC steelwork	Land-Based
WA1	Lift installation	Land-Based
WA1	Escalator installation	Land-Based
WA1	Glazed lift installation	Land-Based
WA1	Road and Kerbing	Land-Based
WA1	Testing and commissioning works	Land-Based
WA1	Water features and planters	Land-Based

7.2 Environmental Site Inspection and Monitoring Schedule for the Coming Month

7.2.1 The tentative schedule for weekly site inspection and monitoring for November 2017 is provided in **Appendix M**.

8 Conclusions

8.1 Conclusions

8.1.1 The site preparation work of the Contract started on 26 September 2014 and the construction works of the Contract commenced on 6 October 2014. The thirty-seventh monthly EM&A Report summarizes findings of the EM&A works during the reporting period from 1 to 31 October 2017.

8.1.2 For air quality monitoring, no Action and Limit Level exceedances of 1-hour and 24-hour TSP level were recorded at AMS2, AMS3B and AMS7 during the reporting month.

8.1.3 Summary of Action and Limit Level exceedance of 1-hour TSP level and 24-hour TSP level at AMS6 shall be referred to the monthly EM&A report prepared by Contract No. HY/2011/03.

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

8.1.5 For water quality monitoring during the reporting month, 2 Action Level exceedances of dissolved oxygen were recorded at mid-ebb tide while 5 Action Level exceedances of dissolved oxygen were recorded at mid-flood tide. 3 Limit Level exceedances of dissolved oxygen were recorded at mid-ebb tide while 5 Limit Level exceedances of dissolved oxygen were recorded at mid-flood tide. No Action Level and Limit Level exceedance of turbidity was recorded at mid-ebb tide and mid-flood tide. No Action Level exceedance of suspended solid was recorded at mid-ebb tide while 5 Action Level exceedances of suspended solid were recorded at mid-flood tide. No Limit Level exceedances of suspended solid were recorded at mid-ebb tide and mid-flood tide. As confirmed by the Contractor, no marine transportation and marine-based work was conducted during the water quality exceedance days. Therefore, it is concluded that the exceedances were not related the Contract.

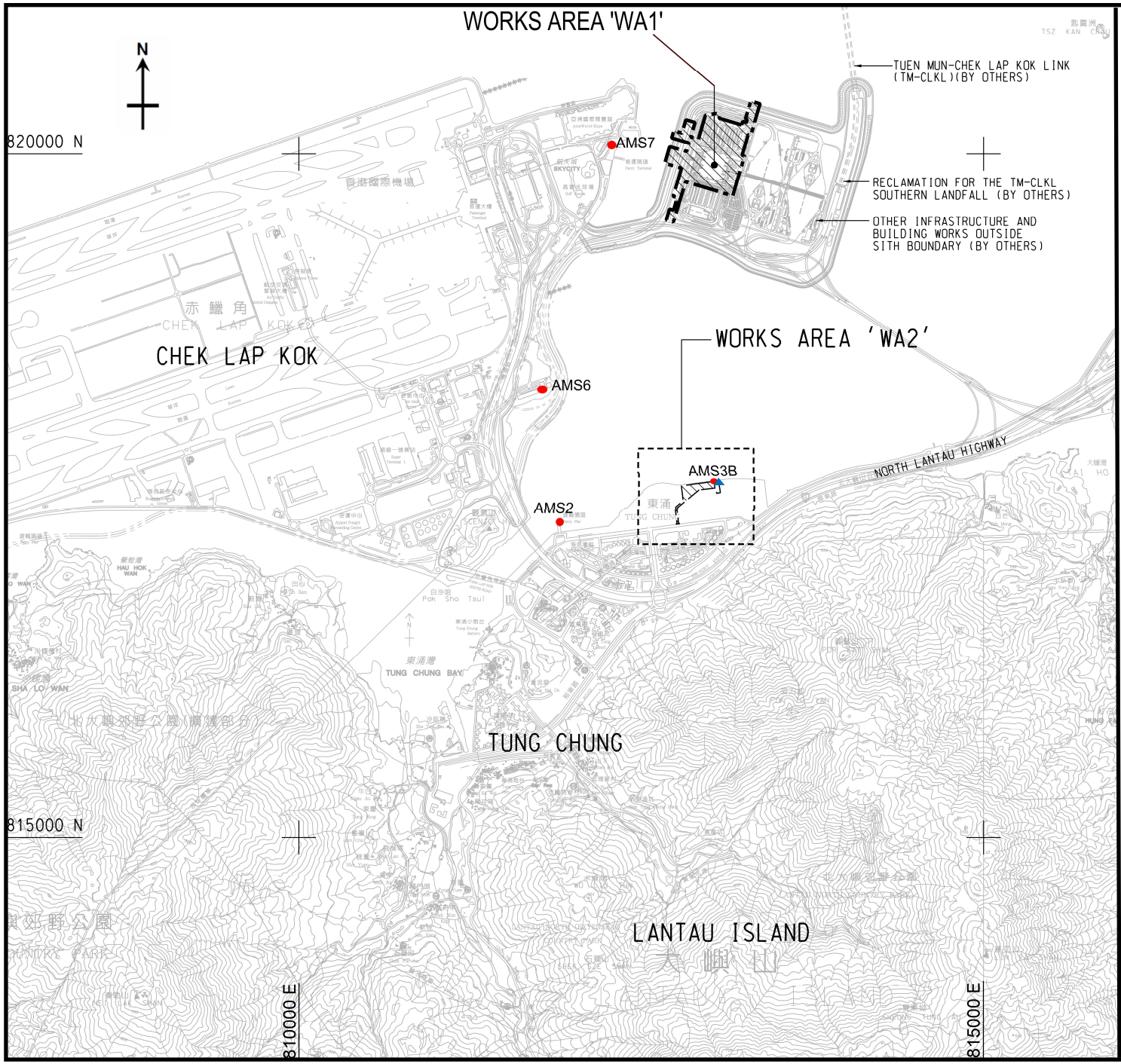
8.1.6 For dolphin monitoring, dolphin survey were conducted on 6, 12, 17 and 19 October 2017, A total of 268.92 km of survey effort was collected, with 99.6% of the total survey effort being conducted under favourable weather. Only one group of 12 Chinese White Dolphins were sighted. The lone dolphin sighting was made in NWL, while no dolphin sighting was made at all in NEL.

8.1.7 Environmental site inspections were carried out on 4, 11, 18 and 25 October 2017. Recommendations on remedial actions were given to the Contractor for the deficiencies identified during the site inspections.

8.1.8 There was one complaint received in relation to the environmental impact during the reporting period. The complaint investigation is being undertaken and will be reported in the next reporting period.

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

FIGURES



LEGEND

- AIR QUALITY MONITORING STATIONS
- WIND STATION

Figure 2.1

Location of Air Quality Monitoring Stations and Wind Station

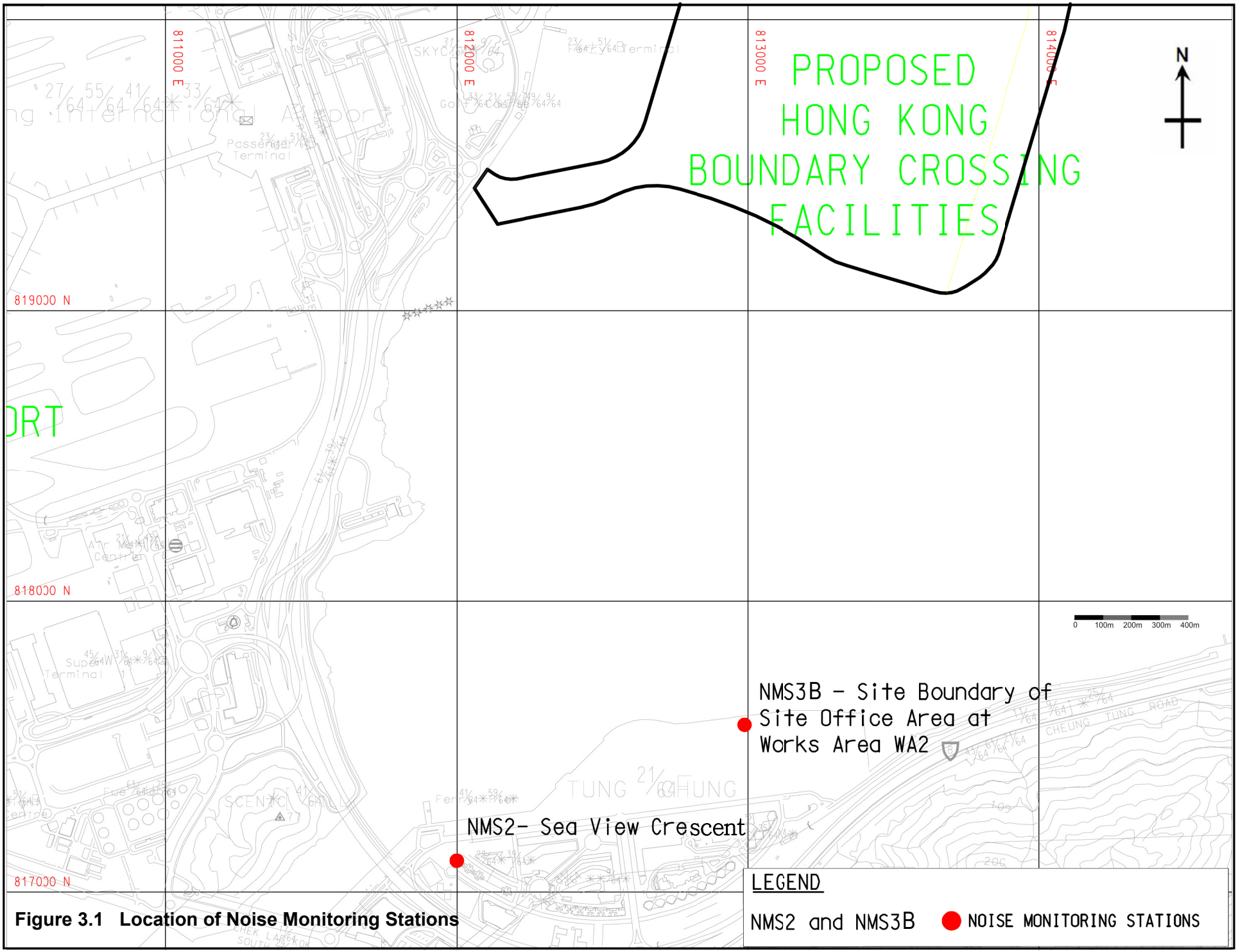
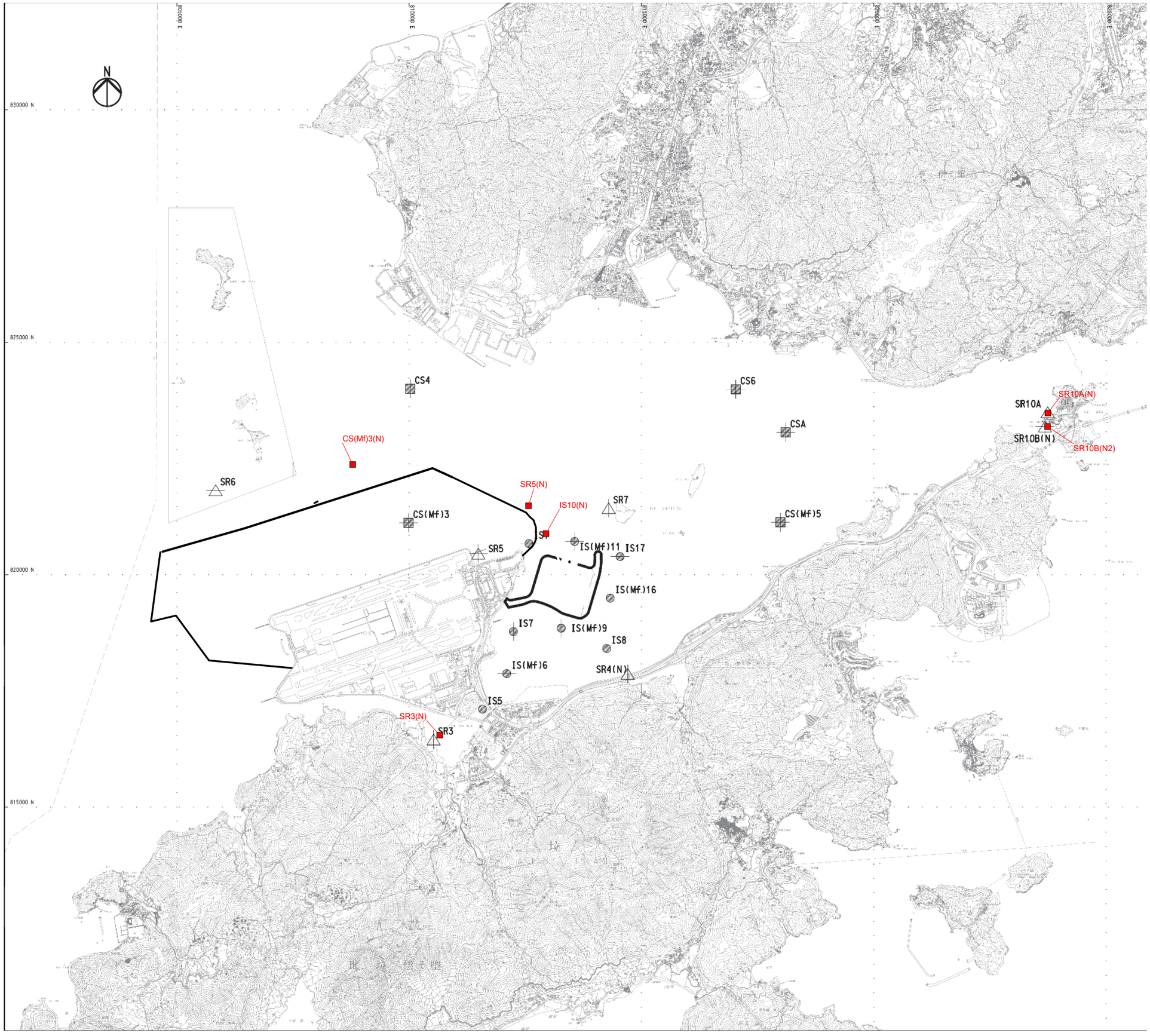


Figure 3.1 Location of Noise Monitoring Stations

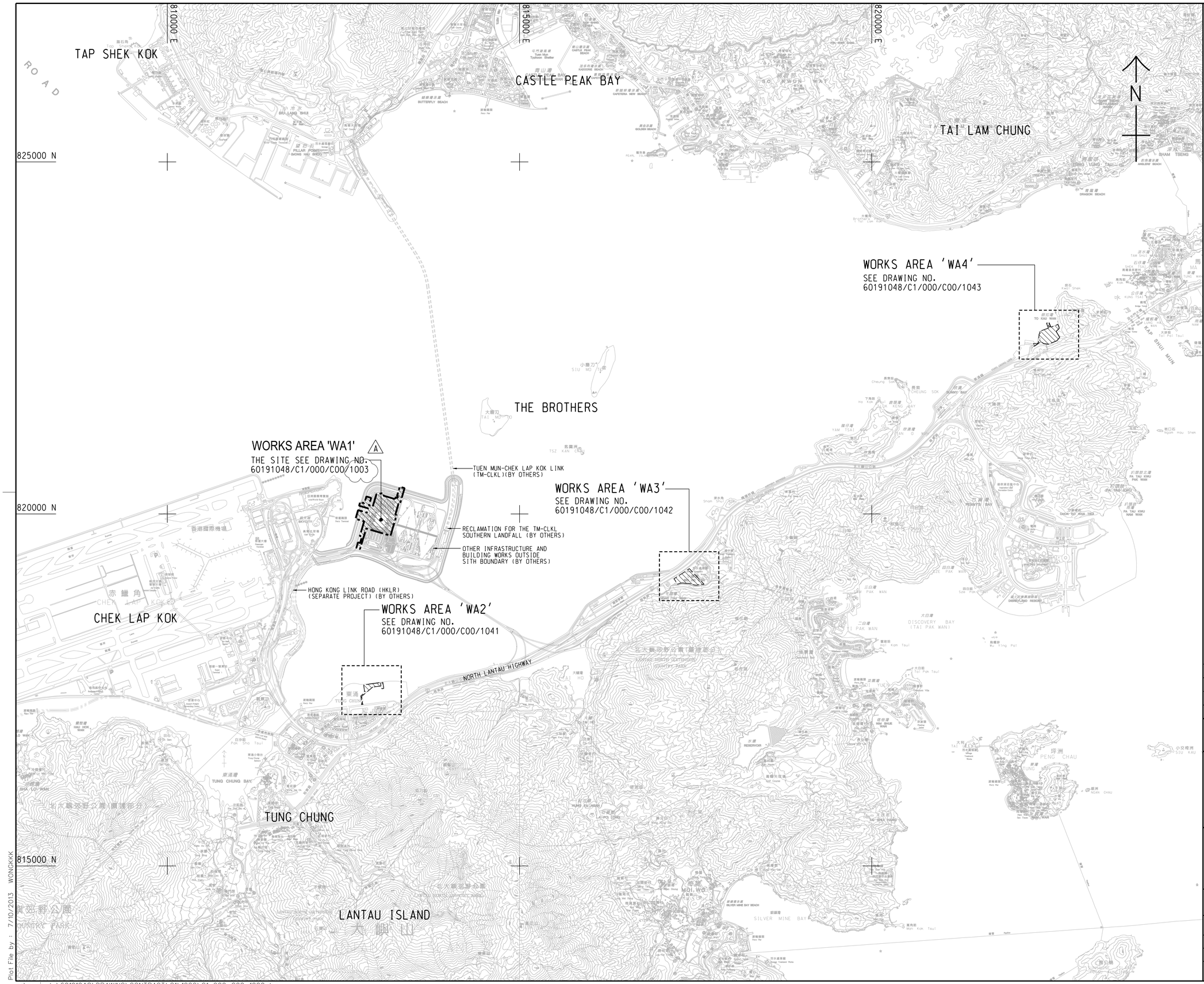


Station	East	North
IS5	811579	817106
IS(Mf)6	812101	817873
IS7	812244	818777
IS8	814251	818412
IS(Mf)9	813273	818850
IS10(N)	812942	820881
IS(Mf)11	813562	820716
IS(Mf)16	814328	819497
IS17	814539	820391
SR3(N)	810689	816591
SR4(N)	814705	817859
SR5(N)	812569	821475
SR6	805837	821818
SR7	814293	821431
SR10A(N)	823644	823484
SR10B(N2)	823689	823159
CS(Mf)3(N)	808814	822355
CS(Mf)5	817990	821129
CS4	810025	824004
CS6	817028	823992
CSA	818103	823064

FIGURE 4.1– LOCATION OF WATER QUALITY MONITORING STATIONS

APPENDIX A

Location of Works Areas



NOTES:

1. COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).
2. DIMENSIONS ARE IN MILLIMETER AND CHAINAGE ARE IN METRES UNLESS OTHERWISE SHOWN.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. 60191048/C1/000/C00/1041 TO 1043.

LEGEND: A A

SITE BOUNDARY

WORKS AREA

REV. 修訂	DESCRIPTION 內容摘要	D.E. P.E. CHECKED 查核	DATE 日期
B	WORKING DRAWING	BWCW SCI	JUN.14
A	TENDER ADDENDUM NO. 1	BWCW SCI	OCT.13
-	TENDER DRAWING	BWCW SCI	SEP.13

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HONG KONG-ZHUHAI-MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
- PASSENGER CLEARANCE BUILDING

SITE LOCATION PLAN

AECOM
Rogers Stirk Harbour + Partners
BURO HAPPOLD ATKINS ADI
Aedas

DRG.NO. 圖紙編號 60191048/C1/000/C00/1000B

DESIGNED BY 設計	BWCW	CONTRACT NO. 合約編號	HY/2013/01
DRAWN BY 繪圖	WSY	P. Dir. APPROVED 負責人	TKH
SCALE 比例	A1 1 : 25000	STATUS 階段	WORKING DRAWING
DIMENSIONS ARE IN 尺寸單位	METRES	© COPYRIGHT RESERVED 版權所有	

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812500 E

813000 E

813500 E

820500 N

820000 N

819500 N

SKYCITY

GATE 2 TO BE CONSTRUCTED
WHEN HY/2013/02 CONTRACTOR
TAKE OVER PORTION 1

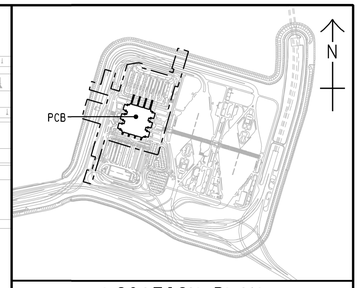
HAUL ROAD TO BE CONSTRUCTED
DIVERTED, MANAGED AND MAINTAINED
BY HY/2013/01 CONTRACT

C3

GATE TO BE CONSTRUCTED
BY CLP

MARINE LOADING AND UNLOADING
POINTS, EXACT LOCATION AND
EXTENT TO BE LIAISED AND
CONFIRMED WITH HY/2013/02
CONTRACTOR

GATE 1 TO BE CONSTRUCTED
AT THE COMMENCEMENT OF THE CONTRACT



LOCATION PLAN
SCALE 1 : 20000

NOTES:

1. COORDINATES ARE BASED ON HONG KONG METRIC GRID (1980) UNLESS OTHERWISE NOTED.
2. LEVELS ARE IN METRES RELATIVE TO HONG KONG PRINCIPAL DATUM (mPD) UNLESS OTHERWISE NOTED.
3. DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
4. SETTING OUT, DIMENSIONS, LEVELS, COORDINATES ARE TO BE CALCULATED BY THE CONTRACTOR. NO INFORMATION SHOULD BE SCALED PHYSICALLY OR ELECTRONICALLY FROM THE DRAWINGS OR FILES.
5. SITE ACCESS SHALL BE HARD PAVED WITH PROPER DRAINAGE PROVIDED. IT SHALL BE KEPT UNOBSTRUCTED AND UNDISRUPTED AT ALL TIMES.

LEGEND:

SITE BOUNDARY

7.3m CLEAR WIDTH
CONSTRUCTION HAUL ROAD

INDICATIVE 20m WIDE
VEHICULAR ACCESS
BY RECLAMATION
CONTRACT HY/2010/02

REV. 修訂	DESCRIPTION 內容摘要	D.E.	P.E. CHECKED 查核	DATE 日期
-	TENDER DRAWING	BWCW	SCI	SEP.13

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HONG KONG-ZHUHAI-MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
- PASSENGER CLEARANCE BUILDING

WORKS AREA WA1

AECOM
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DRG.NO. 圖紙編號 60191048/C1/000/C00/1044

DESIGNED BY 設計	CONTRACT NO. 合約編號	P. Dir. APPROVED 負責人
BWCW	HY/2013/01	EMSC
DRAWN BY 繪圖 WSY	STATUS 階段	
SCALE 比例 A1 1 : 2500		
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812600 E

812800 E

813000 E

817600 N

817400 N

N

WORKS AREA OCCUPIED BY
CONTRACT NO. HY/2010/02

COMMON ACCESS TO BE PROVIDED
AND MAINTAINED BY
CONTRACT NO. HY/2010/02

YING HEI ROAD

迎禧路

單車徑 Cycling Track

巴士 Bus

的士 Taxi

小巴 Minibus

HWM

Nullah

Podium (Car Park under)

Club House

Basketball Court

Playground

Ho Yu College (Sponsored by Sik Sik Yuen)

Ho Yu College and Primary School (Sponsored by Sik Sik Yuen)

Ho Yu Primary School (Sponsored by Sik Sik Yuen)

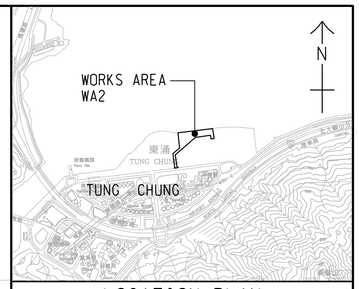
CARIBBEAN COAST

Monterey Cove Tower

Road

POINT	EASTING	NORTHING
201	813071.417	817531.755
202	813046.124	817528.520
203	813041.528	817559.119
204	812918.331	817540.618
205	812754.843	817398.454
206	812767.133	817302.381
207	812780.486	817294.062
208	812745.200	817289.613
209	812752.963	817300.569
210	812748.782	817300.034
211	812734.825	817409.146
212	812788.988	817454.350
213	812777.075	817578.404
214	813058.837	817612.753
215	812925.889	817596.485
216	812931.852	817542.648
217	812930.654	817552.515
218	812909.983	817549.657
219	812802.930	817457.358
220	812798.921	817461.656
221	812788.702	817458.876

SETTING OUT POINT



LOCATION PLAN
SCALE 1 : 25000

NOTES:

1. COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).
2. DIMENSIONS ARE IN MILLIMETER AND CHAINAGE ARE IN METRES UNLESS OTHERWISE SHOWN.

LEGEND:

- WORKS AREA BOUNDARY
- PORTION 2.1
- PORTION 2.2
- PORTION 2.3

REV. 修訂	DESCRIPTION 內容摘要	BY CHECKED 複核	DATE 日期
B	WORKING DRAWING	BWCW SCI	JUN.14
A	TENDER ADDENDUM NO. 1	BWCW SCI	OCT.13
-	TENDER DRAWING	BWCW SCI	SEP.13

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SETTING OUT POINT

POINT	EASTING	NORTHING
301	817467.265	819162.683
302	817314.741	819069.828
303	817327.338	819049.295
304	817440.865	819117.811
305	817340.825	819027.314
306	817387.350	819023.403
307	817387.861	819043.396
308	817466.133	819091.047
309	817469.783	819087.181
310	817513.449	819113.764
311	817347.717	819016.082
312	817526.774	819020.578
313	817531.659	819021.641
314	817531.154	819001.065
315	817533.345	818991.306
316	817620.269	819000.620

817200 E

817400 E

817600 E

819200 N

819000 N

NORTH LANTAU HIGHWAY

CHEUNG TUNG ROAD

小濠灣污水處理廠
Siu Ho Wan Sewage Treatment Works

WORKS AREA OCCUPIED BY CONTRACT NO. HY/2011/03

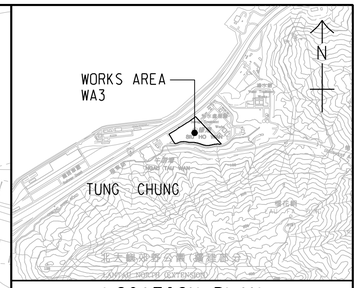
WORKS AREA OCCUPIED BY CONTRACT NO. HY/2011/09

10m WIDE COMMON ACCESS TO BE MAINTAINED BY CONTRACT NO. HY/2010/02

301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316

WORKS AREA OCCUPIED BY CONTRACT NO. HY/2010/02

10m WIDE COMMON ACCESS TO BE CONSTRUCTED AND INITIALLY MAINTAINED BY CONTRACT NO. HY/2013/01. UPON COMMENCEMENT OF CONTRACT NO. HY/2013/03, THE MAINTENANCE RESPONSIBILITY SHALL BE TRANSFERRED FROM CONTRACT NO. HY/2013/01 TO CONTRACT NO. HY/2013/03.



LOCATION PLAN
SCALE 1 : 25000

NOTES:

1. COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).
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LEGEND:

- WORKS AREA BOUNDARY
- PORTION 3.1
- PORTION 3.2
- PORTION 3.3
- PORTION 3.4
- PORTION 3.5
- PORTION 3.6
- PORTION 3.7
- PORTION 3.8
- PORTION 3.9

REV. 修訂	DESCRIPTION 內容摘要	DRAWN 繪圖	CHECKED 查核	DATE 日期
A	WORKING DRAWING	BWCW	SCT	JUN.14
-	TENDER DRAWING	BWCW	SCT	SEP.13

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WORKS AREA WA3

AECOM
Rogers Stirk Harbour + Partners
BURO HAPPOLD ATKINS ADI
Aedas

DRG.NO. 圖紙編號 60191048/C1/000/C00/1042A

DESIGNED BY 設計 BWCW	CONTRACT NO. 合約編號 HY/2013/01	P. Dir. APPROVED 負責人 TKH
DRAWN BY 繪圖 WSY	STATUS 階段 **WORKING DRAWING**	
SCALE 比例 A1 1 : 1000		
DIMENSIONS ARE IN 尺寸單位 METRES	© COPYRIGHT RESERVED 版權所有	

Plot File by : 2013/9/10 WANGSY

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SETTING OUT POINT

POINT	EASTING	NORTHING
401	822488.151	822632.315
402	822640.593	822689.415
403	822515.608	822559.848
404	822610.940	822599.642
405	822629.428	822607.359
406	822526.988	822529.813
407	822618.348	822567.950
408	822542.232	822489.581
409	822584.983	822507.426
410	822606.866	822516.561
411	822560.278	822441.956
412	822602.949	822460.010
413	822621.914	822467.959
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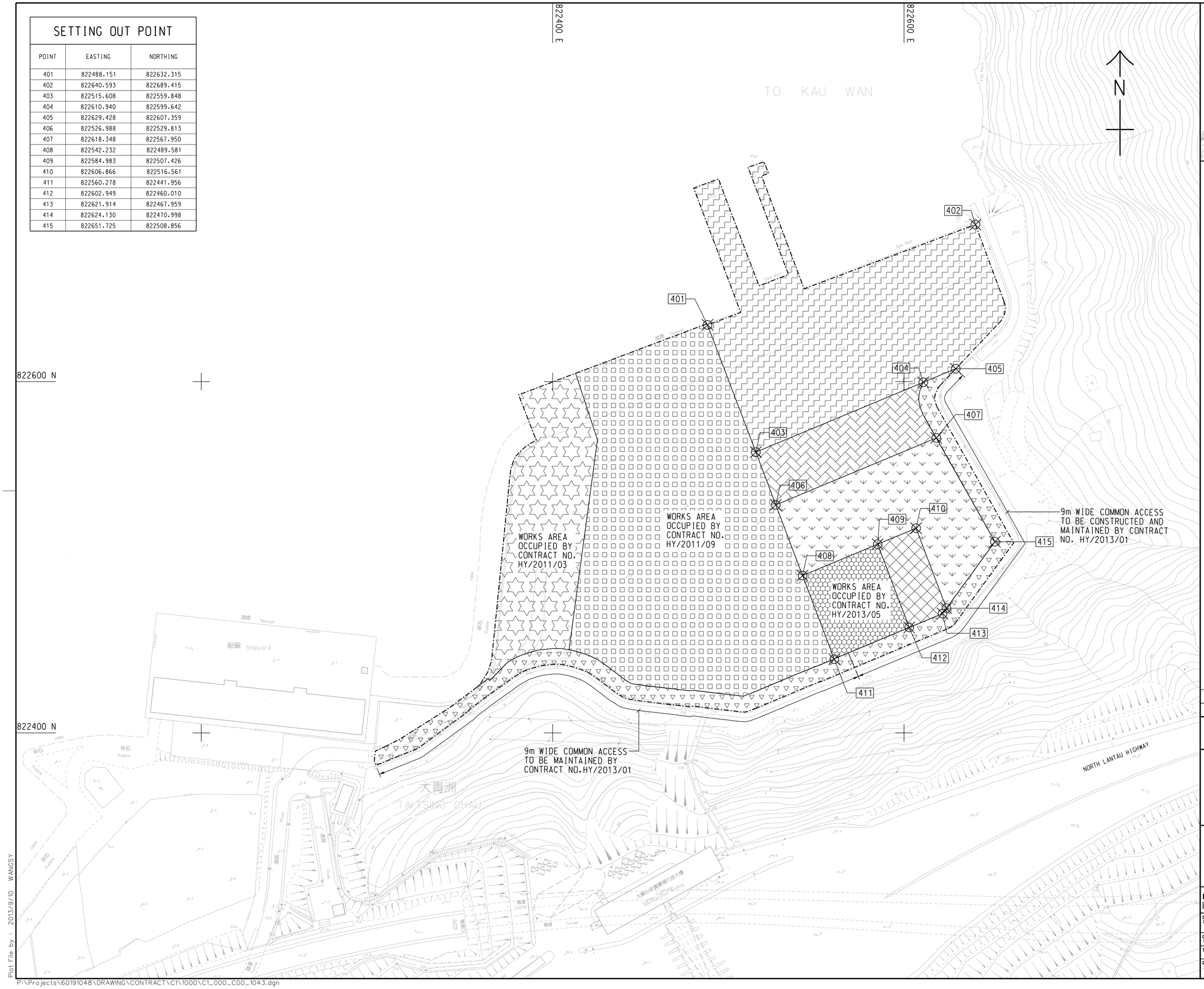

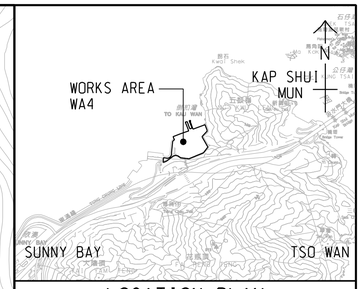

LOCATION PLAN

SCALE 1 : 25000

NOTES:

1. COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).
2. DIMENSIONS ARE IN MILLIMETER AND CHAINAGE ARE IN METRES UNLESS OTHERWISE SHOWN.

LEGEND:

- WORKS AREA BOUNDARY
- PORTION 4.1
- PORTION 4.2
- PORTION 4.3
- PORTION 4.4
- PORTION 4.5
- PORTION 4.6
- PORTION 4.7
- PORTION 4.8

REV. 修訂	DESCRIPTION 內容摘要	D.E.	P.E. CHECKED 複核	DATE 日期
-	TENDER DRAWING	BWCW	SCI	SEP.13

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

HONG KONG-ZHUHAI-MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
- PASSENGER CLEARANCE BUILDING

WORKS AREA WA4

AECOM
Rogers Stirk Harbour + Partners
BURO HAPPOLD ATKINS ADI
Aedas

DRG.NO. 圖紙編號 60191048/C1/000/C00/1043

DESIGNED BY 設計 BWCW	CONTRACT NO. 合約編號 HY/2013/01	P. Dir. APPROVED 批准人 EMSC
DRAWN BY 繪圖 WSY	STATUS 階段	
SCALE 比例 A1 1 : 1000		
DIMENSIONS ARE IN 尺寸單位 METRES		

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Plot File by : 2013/9/10 WANGSY

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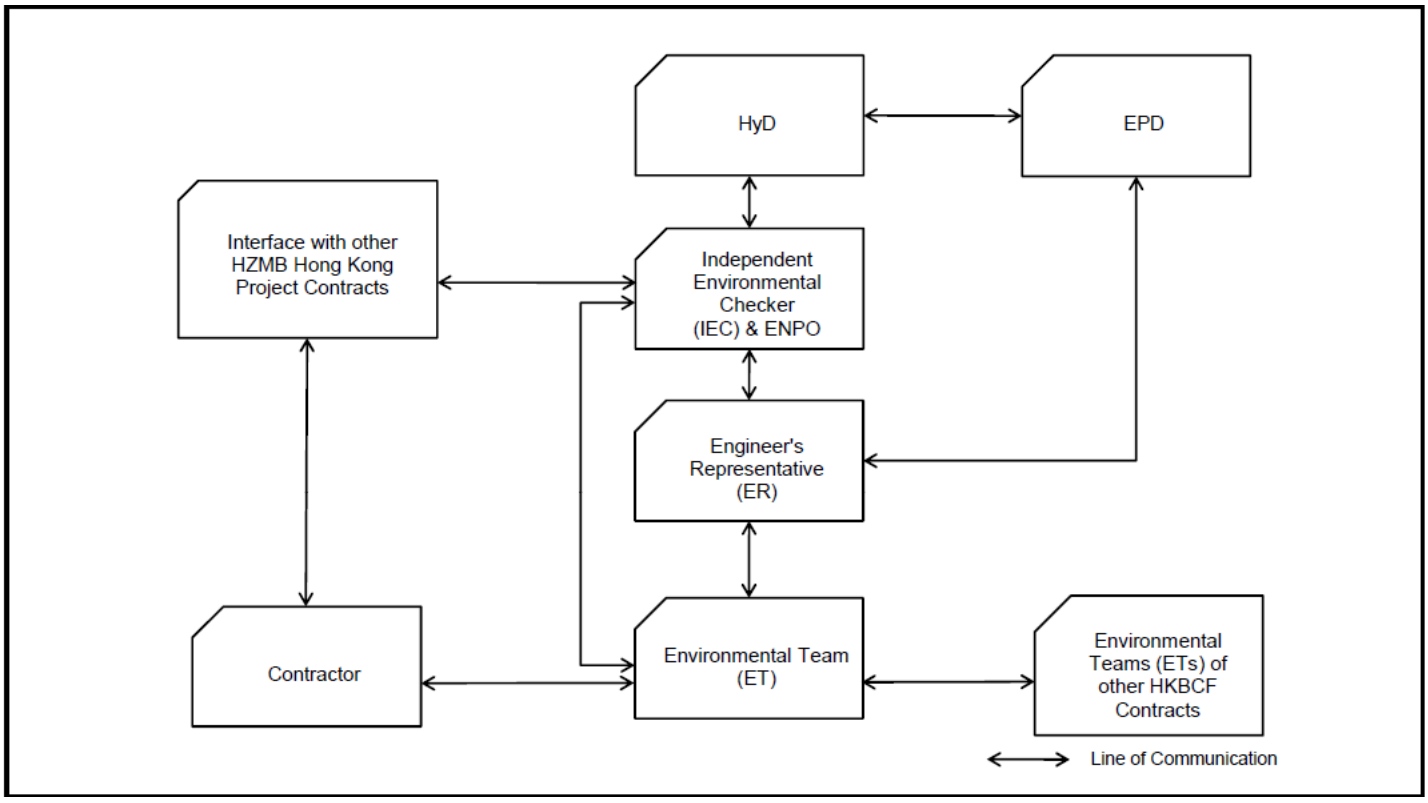
APPENDIX B

Project Organization for Environmental Works

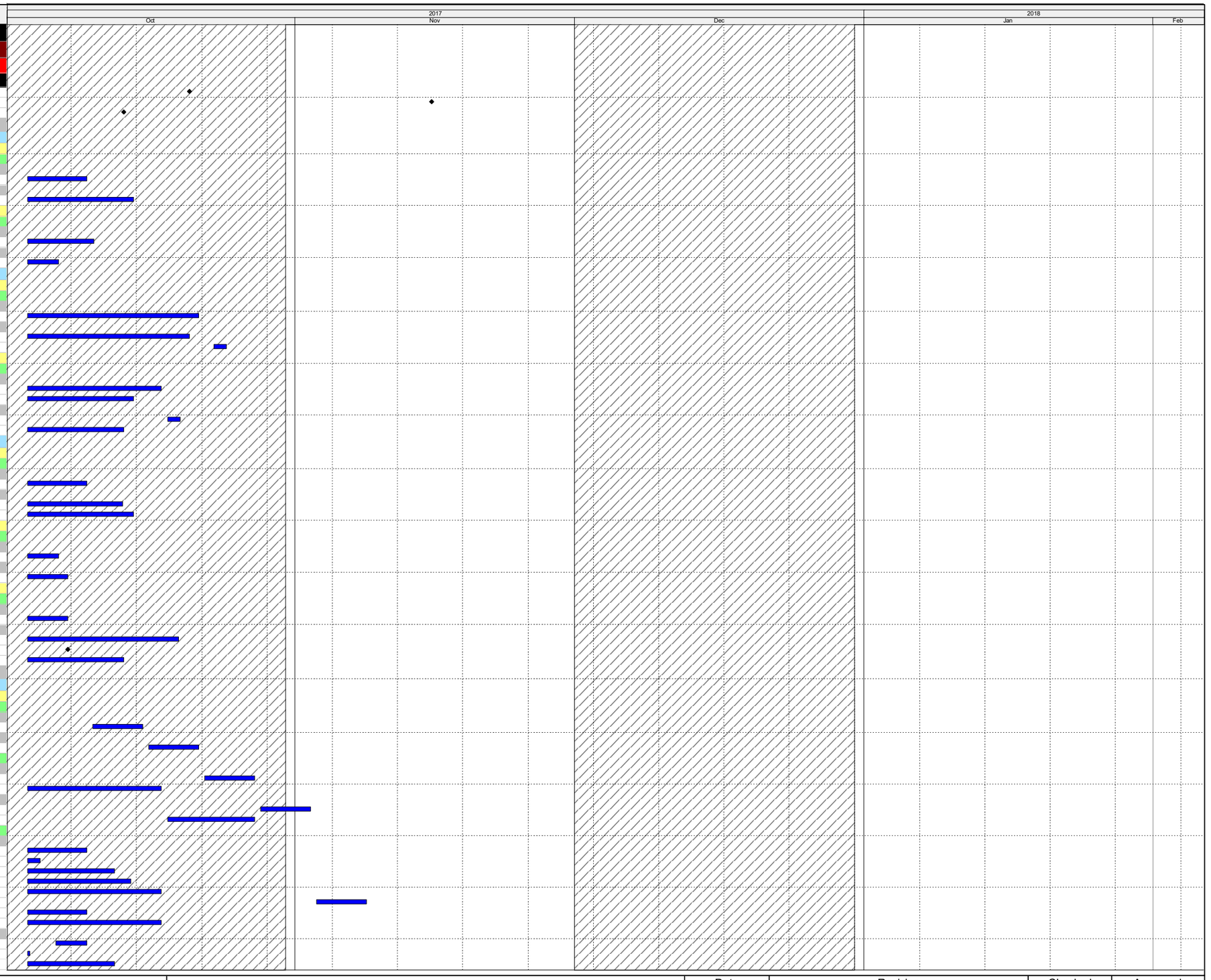
Project Organisation for Environmental Works



APPENDIX C

Construction Programme

Activity ID	Activity Name
	HY/2013/01 HKZMB HKBCF - October 2017 Monthly Report (W
	CONSTRUCTION
	Passenger Clearance Building
	ABWF & BS / MEP / E&M Works
MEP-02-42605	PCB (GF) E&M: DOC 3 BOH Rms Completion
MEP-02-42695	PCB (GF) E&M: DOC 3 FOH Open Areas Completion
MEP-02-44275	PCB (GF) E&M: Work to Degree 3: Ground Floor Rms Completion
	Level 1 Basement
	SOUTH - Gridline J-G
	Zone J
	Degree 3
	ABWF
ABW-02-60235	PCB (BF) ABWF: Work to Degree 3: Corridors/Lobby
	E&M
MEP-02-64110	PCB (BF) E&M: Work to Degree 3: Corridors/Lobby
	Zone G
	Degree 3
	ABWF
ABW-02-41680	PCB (BF) ABWF: Work to Degree 3: Corridors/Lobby
	E&M
MEP-02-41680	PCB (BF) E&M: Work to Degree 3:Corridors/Lobby
	MIDDLE - Gridline G-E
	Zone F
	Degree 3
	ABWF
ABW-02-41380	PCB (BF) ABWF: Work to Degree 3: Water Feature Filtrn Rms (Type A&B)
	E&M
MEP-02-41290	PCB (BF) E&M: Work to Degree 3: AHU Rm
MEP-02-41380	PCB (BF) E&M: Work to Degree 3: Water Feature Filtrn Rms (Type A&B)
	Zone D
	Degree 3
	ABWF
ABW-02-40840	PCB (BF) ABWF: Work to Degree 3: Water Feature Filtrn Rms (Type A&B)
ABW-02-40930	PCB (BF) ABWF: Work to Degree 3: Corridors/Lobby
	E&M
MEP-02-40840	PCB (BF) E&M: Work to Degree 3: Water Feature Filtrn Rms (Type A&B)
MEP-02-40930	PCB (BF) E&M: Work to Degree 3: Corridors/Lobby
	NORTH - Gridline E-B
	Zone A
	Degree 3
	ABWF
ABW-02-40300	PCB (BF) ABWF: Work to Degree 3: Corridors/Lobby
	E&M
MEP-02-40150	PCB (BF) E&M: Work to Degree 3: AHU Rm
MEP-02-40300	PCB (BF) E&M: Work to Degree 3: Corridors/Lobby
	Zone B Service Troughs
	Degree 3
	ABWF
ABW-02-40330	PCB (BF) ABWF: Work to Degree 3: Service Trench
	E&M
MEP-02-40330	PCB (BF) E&M: Work to Degree 3: Service Trench
	Zone C
	Degree 3
	ABWF
ABW-02-60205	PCB (BF) ABWF: Work to Degree 3: Corridors/Lobby
	E&M
MEP-02-40480	PCB (BF) E&M: Work to Degree 3: AHU Rm
MEP-02-41970	PCB (BF) E&M: Work to Degree 3: Service Trench Nth complete
MEP-02-64080	PCB (BF) E&M: Work to Degree 3: Corridors/Lobby
	Level 3 Ground Floor
	SOUTH - Gridline J-G
	Zone J
	Degree 1
	ABWF
ABW-02-44110	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int&Ext)
	E&M
MEP-02-44110	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int&Ext)
	Degree 2
	ABWF
ABW-02-44120	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int&Ext)
ABW-02-44150	PCB (GF) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles
	E&M
MEP-02-44120	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int&Ext)
MEP-02-44150	PCB (GF) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles
	Degree 3
	ABWF
ABW-02-43980	PCB (GF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-44010	PCB (GF) ABWF: Work to Degree 3: BOH - Stairs
ABW-02-44040	PCB (GF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-44070	PCB (GF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-44100	PCB (GF) ABWF: Work to Degree 3: BOH - Rms
ABW-02-44130	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int&Ext)
ABW-02-44160	PCB (GF) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles
ABW-02-44190	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
	E&M
MEP-02-43980	PCB (GF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-44010	PCB (GF) E&M: Work to Degree 3: BOH - Stairs
MEP-02-44040	PCB (GF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm



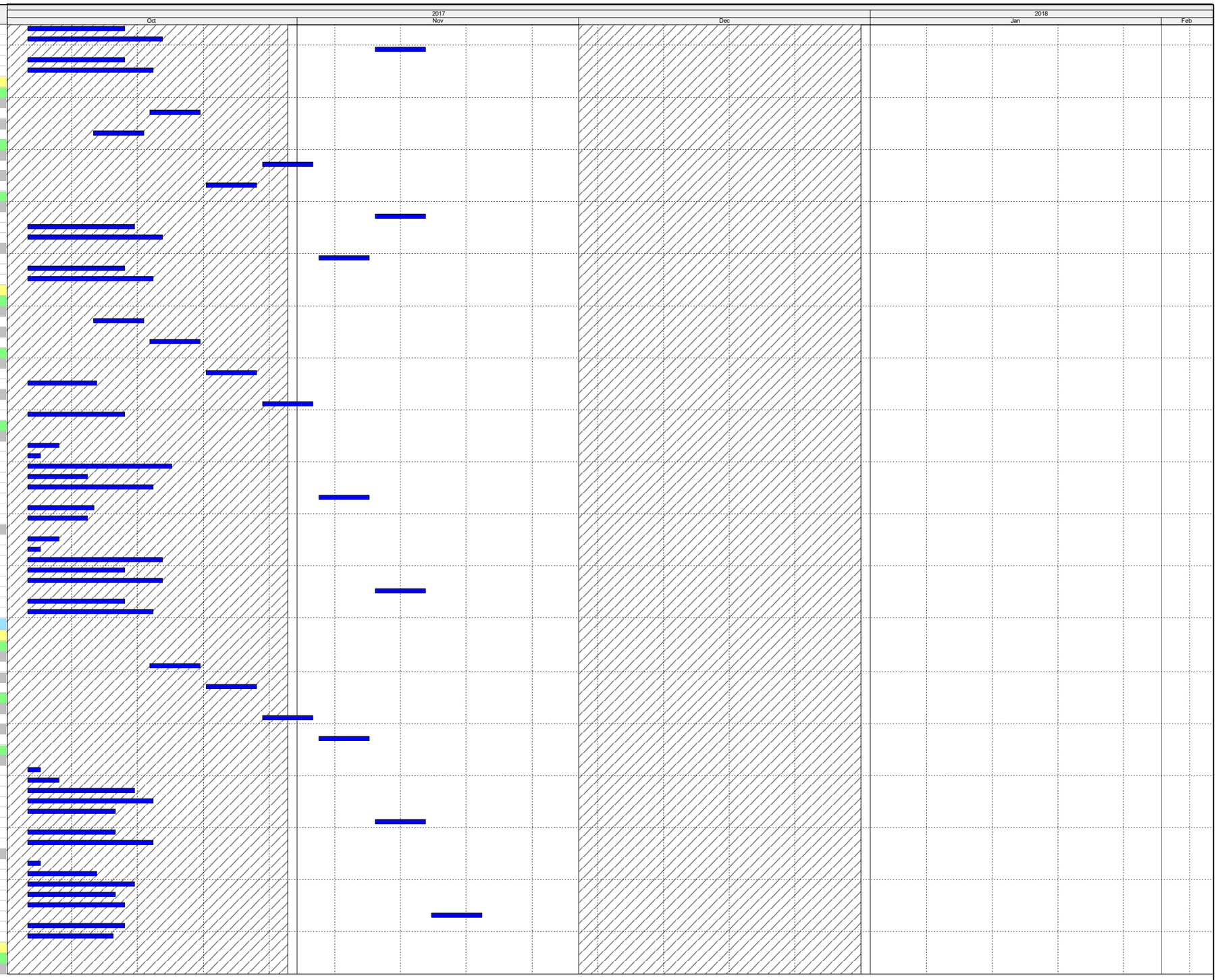
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
MEP-02-44070	PCB (GF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-44100	PCB (GF) E&M: Work to Degree 3: BOH - Rms
MEP-02-44130	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int&Ext)
MEP-02-44160	PCB (GF) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles
MEP-02-44190	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
Zone H	
Degree 1	
E&M	
MEP-02-43810	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int&Ext)
ABWF	
ABW-02-43810	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int&Ext)
Degree 2	
E&M	
MEP-02-43820	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int&Ext)
ABWF	
ABW-02-43820	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int&Ext)
Degree 3	
ABWF	
MEP-02-43830	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int&Ext)
MEP-02-43860	PCB (GF) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-43890	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
E&M	
ABW-02-43830	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int&Ext)
ABW-02-43860	PCB (GF) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-43890	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
Zone G	
Degree 1	
ABWF	
ABW-02-43720	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int&Ext)
E&M	
MEP-02-43720	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int&Ext)
Degree 2	
ABWF	
ABW-02-43730	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int&Ext)
ABW-02-43760	PCB (GF) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
E&M	
MEP-02-43730	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int&Ext)
MEP-02-43760	PCB (GF) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
Degree 3	
ABWF	
ABW-02-43590	PCB (GF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-43620	PCB (GF) ABWF: Work to Degree 3: BOH - Stairs
ABW-02-43650	PCB (GF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-43680	PCB (GF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-43710	PCB (GF) ABWF: Work to Degree 3: BOH - Rms
ABW-02-43740	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int&Ext)
ABW-02-43770	PCB (GF) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-43800	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-43590	PCB (GF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-43620	PCB (GF) E&M: Work to Degree 3: BOH - Stairs
MEP-02-43650	PCB (GF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-43680	PCB (GF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-43710	PCB (GF) E&M: Work to Degree 3: BOH - Rms
MEP-02-43740	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int&Ext)
MEP-02-43770	PCB (GF) E&M: Work to Degree 3: FOH -BIN/Kiosks/cubicles/Rms
MEP-02-43800	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
MIDDLE - Gridline G-E	
Zone D	
Degree 1	
ABWF	
ABW-02-42910	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int&Ext)
E&M	
MEP-02-42910	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int&Ext)
Degree 2	
ABWF	
ABW-02-42920	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int&Ext)
E&M	
MEP-02-42920	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int&Ext)
Degree 3	
ABWF	
ABW-02-42780	PCB (GF) ABWF: Work to Degree 3: BOH - Stairs
ABW-02-42810	PCB (GF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-42840	PCB (GF) ABWF: Work to Degree 3: BOH - Toilets
ABW-02-42870	PCB (GF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-42900	PCB (GF) ABWF: Work to Degree 3: BOH - Rms
ABW-02-42930	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int&Ext)
ABW-02-42960	PCB (GF) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-42990	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-42780	PCB (GF) E&M: Work to Degree 3: BOH - Stairs
MEP-02-42810	PCB (GF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-42840	PCB (GF) E&M: Work to Degree 3: BOH - Toilets
MEP-02-42870	PCB (GF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-42900	PCB (GF) E&M: Work to Degree 3: BOH - Rms
MEP-02-42930	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int&Ext)
MEP-02-42960	PCB (GF) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-42990	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
Zone F	
Degree 1	
ABWF	



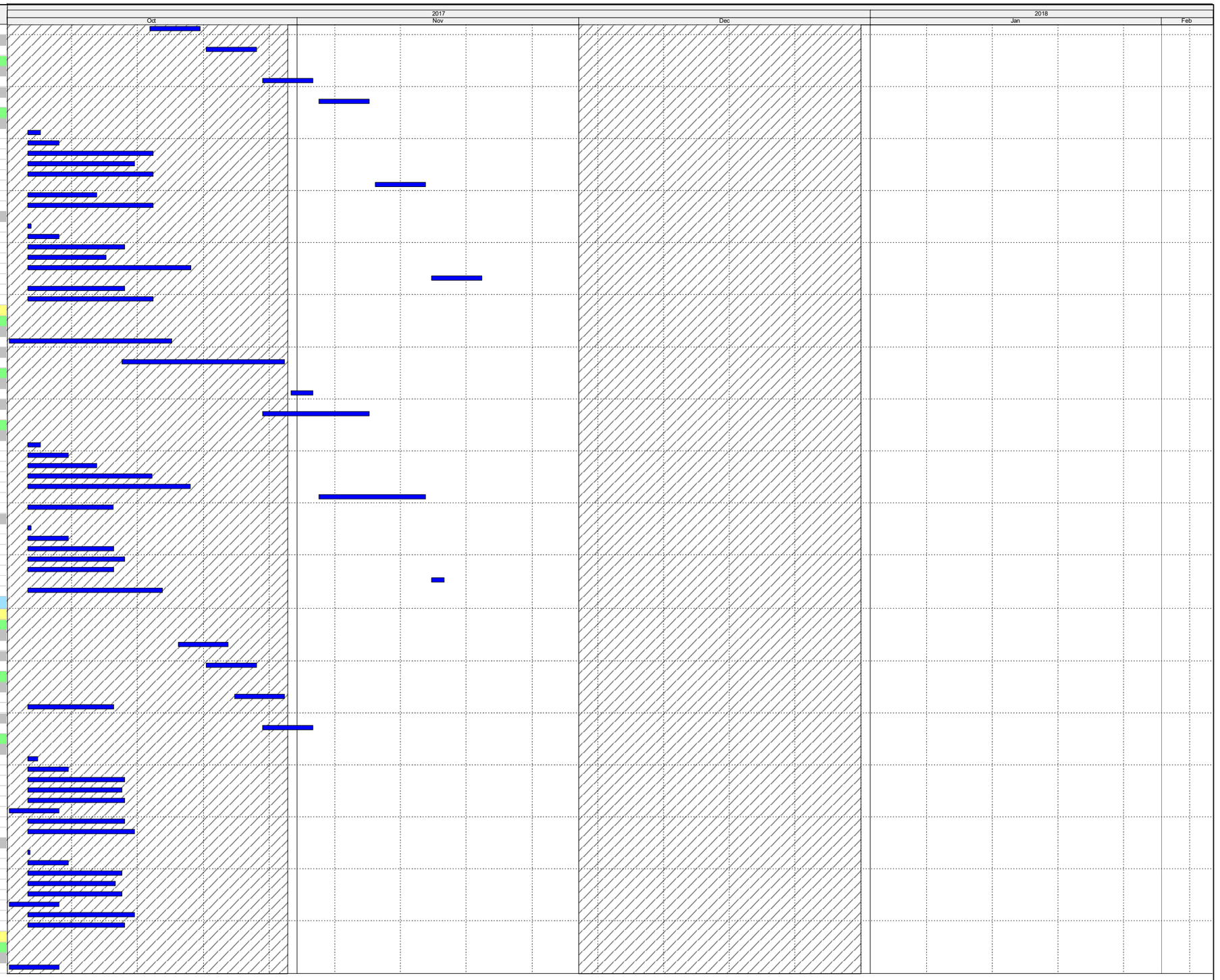
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
ABW-02-43420	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int&Ext)
E&M	
MEP-02-43420	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int&Ext)
Degree 2	
ABWF	
ABW-02-43430	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int&Ext)
E&M	
MEP-02-43430	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int&Ext)
Degree 3	
ABWF	
ABW-02-43290	PCB (GF) ABWF: Work to Degree 3: BOH - Stairs
ABW-02-43320	PCB (GF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-43350	PCB (GF) ABWF: Work to Degree 3: BOH - Toilets
ABW-02-43380	PCB (GF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-43410	PCB (GF) ABWF: Work to Degree 3: BOH - Rms
ABW-02-43440	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int&Ext)
ABW-02-43470	PCB (GF) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-43500	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-43290	PCB (GF) E&M: Work to Degree 3: BOH - Stairs
MEP-02-43320	PCB (GF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-43350	PCB (GF) E&M: Work to Degree 3: BOH - Toilets
MEP-02-43380	PCB (GF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-43410	PCB (GF) E&M: Work to Degree 3: BOH - Rms
MEP-02-43440	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int&Ext)
MEP-02-43470	PCB (GF) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-43500	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
Zone E	
Degree 1	
ABWF	
ABW-02-43180	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int)
E&M	
MEP-02-43180	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int)
Degree 2	
ABWF	
ABW-02-43190	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int)
E&M	
MEP-02-43190	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int)
Degree 3	
ABWF	
ABW-02-43050	PCB (GF) ABWF: Work to Degree 3: BOH - Stairs
ABW-02-43080	PCB (GF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-43110	PCB (GF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-43140	PCB (GF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-43170	PCB (GF) ABWF: Work to Degree 3: BOH - Rms
ABW-02-43200	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int)
ABW-02-43230	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-43050	PCB (GF) E&M: Work to Degree 3: BOH - Stairs
MEP-02-43080	PCB (GF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-43110	PCB (GF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-43140	PCB (GF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-43170	PCB (GF) E&M: Work to Degree 3: BOH - Rms
MEP-02-43200	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int)
MEP-02-43230	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
NORTH - Gridline E-B	
Zone A	
Degree 1	
ABWF	
ABW-02-42220	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int&Ext)
E&M	
MEP-02-42220	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int&Ext)
Degree 2	
ABWF	
ABW-02-42230	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int&Ext)
ABW-02-42290	PCB (GF) ABWF: Work to Degree 2: FOH - Open Areas
E&M	
MEP-02-42230	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int&Ext)
Degree 3	
ABWF	
ABW-02-42090	PCB (GF) ABWF: Work to Degree 3: BOH - Stairs
ABW-02-42120	PCB (GF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-42150	PCB (GF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-42180	PCB (GF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-42210	PCB (GF) ABWF: Work to Degree 3: BOH - Rms
ABW-02-42240	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int&Ext)
ABW-02-42270	PCB (GF) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles
ABW-02-42300	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-42090	PCB (GF) E&M: Work to Degree 3: BOH - Stairs
MEP-02-42120	PCB (GF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-42150	PCB (GF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-42180	PCB (GF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-42210	PCB (GF) E&M: Work to Degree 3: BOH - Rms
MEP-02-42240	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int&Ext)
MEP-02-42270	PCB (GF) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles
MEP-02-42300	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
Zone C	
Degree 1	
ABWF	
ABW-02-42610	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int&Ext)



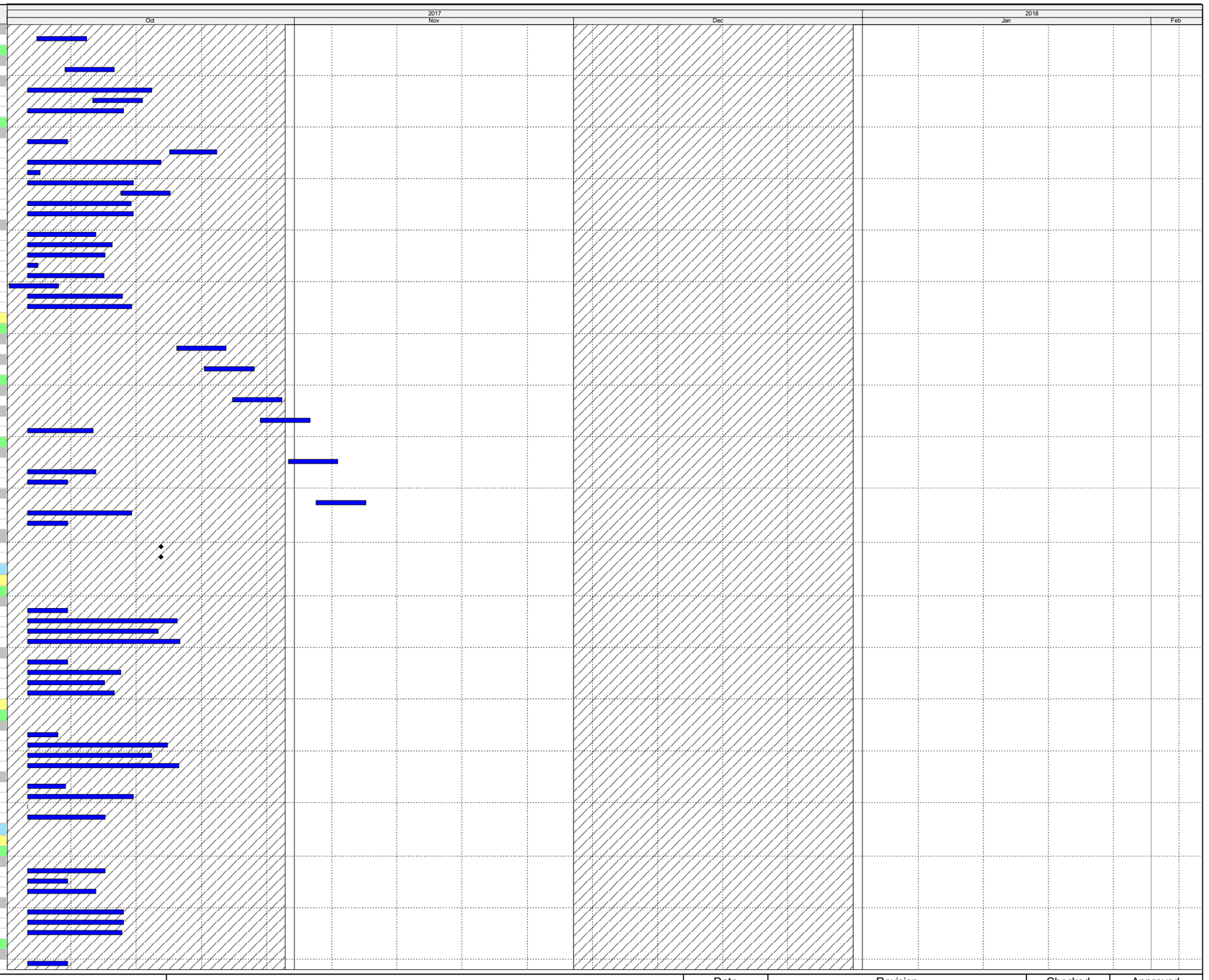
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
	E&M
MEP-02-42610	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int&Ext)
	Degree 2
	ABWF
ABW-02-42620	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int&Ext)
	E&M
MEP-02-42530	PCB (GF) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-42620	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int&Ext)
MEP-02-42680	PCB (GF) E&M: Work to Degree 2: FOH - Open Areas
	Degree 3
	ABWF
ABW-02-42510	PCB (GF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-42540	PCB (GF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-42570	PCB (GF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-42573	PCB (GF) ABWF: Work to Degree 3: BOH - Stairs
ABW-02-42600	PCB (GF) ABWF: Work to Degree 3: BOH - Rms
ABW-02-42630	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int&Ext)
ABW-02-42660	PCB (GF) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles
ABW-02-42690	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
	E&M
MEP-02-42510	PCB (GF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-42540	PCB (GF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-42570	PCB (GF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-42573	PCB (GF) E&M: Work to Degree 3: BOH - Stairs
MEP-02-42600	PCB (GF) E&M: Work to Degree 3: BOH - Rms
MEP-02-42630	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int&Ext)
MEP-02-42660	PCB (GF) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles
MEP-02-42690	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
	Zone B
	Degree 1
	ABWF
ABW-02-42310	PCB (GF) ABWF: Work to Degree 1: FOH - Water feature (Int&Ext)
	E&M
MEP-02-42310	PCB (GF) E&M: Work to Degree 1: FOH - Water feature (Int&Ext)
	Degree 2
	ABWF
ABW-02-42320	PCB (GF) ABWF: Work to Degree 2: FOH - Water feature (Int&Ext)
	E&M
MEP-02-42320	PCB (GF) E&M: Work to Degree 2: FOH - Water feature (Int&Ext)
MEP-02-42350	PCB (GF) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
	Degree 3
	ABWF
ABW-02-42330	PCB (GF) ABWF: Work to Degree 3: FOH - Water feature (Int&Ext)
ABW-02-42360	PCB (GF) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-42390	PCB (GF) ABWF: Work to Degree 3: FOH - Open Areas
	E&M
MEP-02-42330	PCB (GF) E&M: Work to Degree 3: FOH - Water feature (Int&Ext)
MEP-02-42360	PCB (GF) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-42390	PCB (GF) E&M: Work to Degree 3: FOH - Open Areas
	Level 4 Cabin Mezzanine Floor +10.50mPD
MEP-02-47425	PCB (MF) E&M: DOC 3 BOH Rms Completion
MEP-02-48495	PCB (MF) E&M: Work to Degree 3: Mezzanine Floor Rms Completion
	SOUTH - Gridline J-G
	Zone G
	Degree 3
	ABWF
ABW-02-48110	PCB (MF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-48140	PCB (MF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-48170	PCB (MF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-48200	PCB (MF) ABWF: Work to Degree 3: BOH - Rms
	E&M
MEP-02-48110	PCB (MF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-48140	PCB (MF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-48170	PCB (MF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-48200	PCB (MF) E&M: Work to Degree 3: BOH - Rms
	Zone J
	Degree 3
	ABWF
ABW-02-48320	PCB (MF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-48350	PCB (MF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-48380	PCB (MF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-48410	PCB (MF) ABWF: Work to Degree 3: BOH - Rms
	E&M
MEP-02-48320	PCB (MF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-48350	PCB (MF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-48380	PCB (MF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-48410	PCB (MF) E&M: Work to Degree 3: BOH - Rms
	MIDDLE - Gridline G-E
	Zone F
	Degree 2
	ABWF
ABW-02-47920	PCB (MF) ABWF: Work to Degree 2: BOH - Toilets/Cleaners Rm
ABW-02-47950	PCB (MF) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-47980	PCB (MF) ABWF: Work to Degree 2: BOH - Rms
	E&M
MEP-02-47890	PCB (MF) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-47920	PCB (MF) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-47980	PCB (MF) E&M: Work to Degree 2: BOH - Rms
	Degree 3
	ABWF
ABW-02-47900	PCB (MF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms



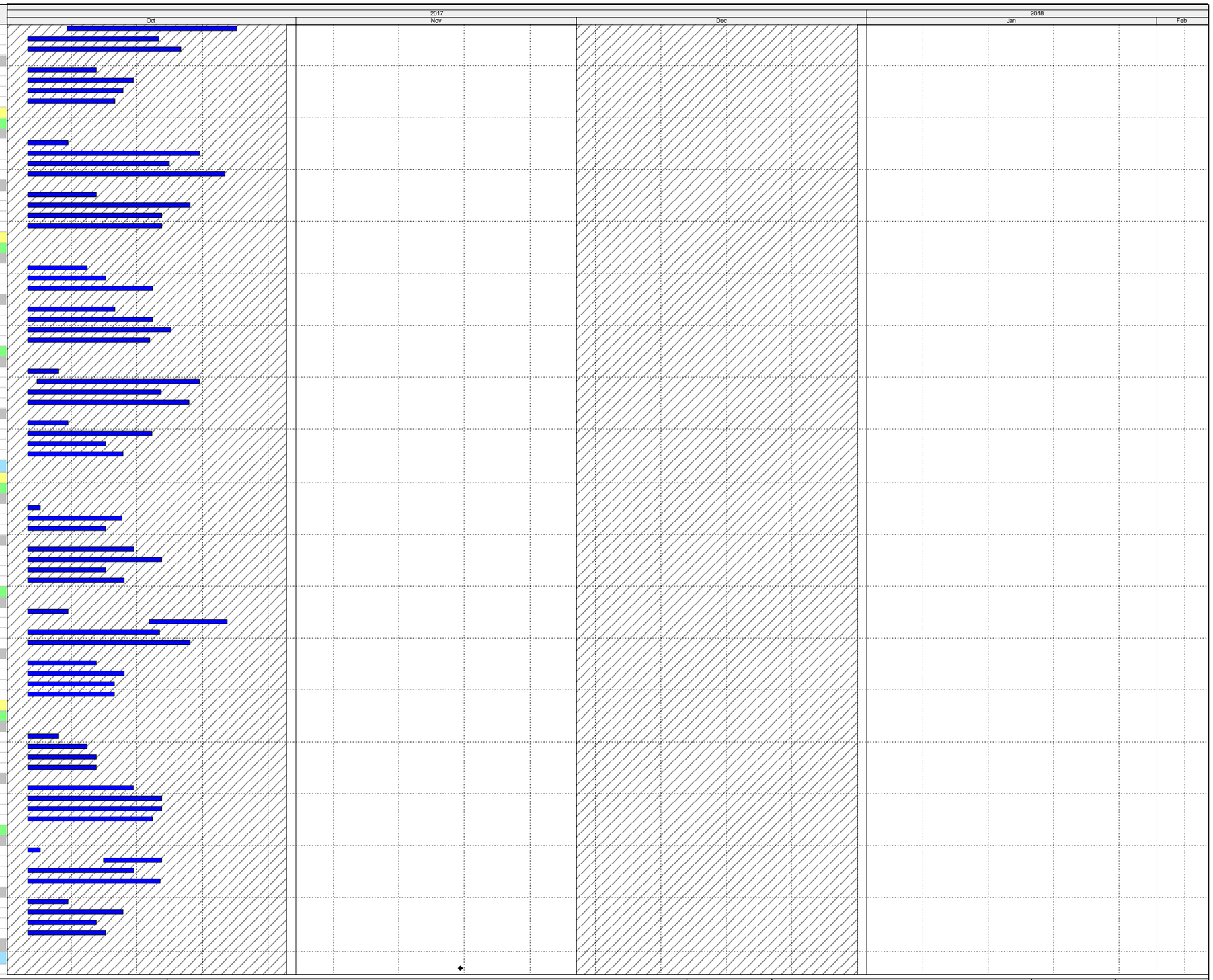
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
ABW-02-47930	PCB (MF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-47960	PCB (MF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-47990	PCB (MF) ABWF: Work to Degree 3: BOH - Rms
E&M	
MEP-02-47900	PCB (MF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-47930	PCB (MF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-47960	PCB (MF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-47990	PCB (MF) E&M: Work to Degree 3: BOH - Rms
Zone D	
Degree 3	
ABWF	
ABW-02-47540	PCB (MF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-47570	PCB (MF) ABWF: Work to Degree 3: BOH - Toilets/Changing Rm
ABW-02-47600	PCB (MF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-47630	PCB (MF) ABWF: Work to Degree 3: BOH - Rms
E&M	
MEP-02-47540	PCB (MF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-47570	PCB (MF) E&M: Work to Degree 3: BOH - Toilets/Changing Rm
MEP-02-47600	PCB (MF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-47630	PCB (MF) E&M: Work to Degree 3: BOH - Rms
Zone E	
Degree 2	
ABWF	
ABW-02-47740	PCB (MF) ABWF: Work to Degree 2: BOH - Toilets/Cleaners Rm
ABW-02-47770	PCB (MF) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-47800	PCB (MF) ABWF: Work to Degree 2: BOH - Rms
E&M	
MEP-02-47710	PCB (MF) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-47740	PCB (MF) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-47770	PCB (MF) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-47800	PCB (MF) E&M: Work to Degree 2: BOH - Rms
Degree 3	
ABWF	
ABW-02-47720	PCB (MF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-47750	PCB (MF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-47780	PCB (MF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-47810	PCB (MF) ABWF: Work to Degree 3: BOH - Rms
E&M	
MEP-02-47720	PCB (MF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-47750	PCB (MF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-47780	PCB (MF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-47810	PCB (MF) E&M: Work to Degree 3: BOH - Rms
NORTH - Gridline E-B	
Zone A	
Degree 2	
ABWF	
ABW-02-47110	PCB (MF) ABWF: Work to Degree 2: BOH - Elec/ELV Rms
ABW-02-47140	PCB (MF) ABWF: Work to Degree 2: BOH - Toilets
ABW-02-47200	PCB (MF) ABWF: Work to Degree 2: BOH - Rms
E&M	
MEP-02-47110	PCB (MF) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-47140	PCB (MF) E&M: Work to Degree 2: BOH - Toilets
MEP-02-47170	PCB (MF) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-47200	PCB (MF) E&M: Work to Degree 2: BOH - Rms
Degree 3	
ABWF	
ABW-02-47120	PCB (MF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-47150	PCB (MF) ABWF: Work to Degree 3: BOH - Toilets
ABW-02-47180	PCB (MF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-47210	PCB (MF) ABWF: Work to Degree 3: BOH - Rms
E&M	
MEP-02-47120	PCB (MF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-47150	PCB (MF) E&M: Work to Degree 3: BOH - Toilets
MEP-02-47180	PCB (MF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-47210	PCB (MF) E&M: Work to Degree 3: BOH - Rms
Zone C	
Degree 2	
ABWF	
ABW-02-47320	PCB (MF) ABWF: Work to Degree 2: BOH - Elec/ELV Rms
ABW-02-47350	PCB (MF) ABWF: Work to Degree 2: BOH - Toilets/Cleaners Rm
ABW-02-47380	PCB (MF) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-47410	PCB (MF) ABWF: Work to Degree 2: BOH - Rms
E&M	
MEP-02-47320	PCB (MF) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-47350	PCB (MF) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-47380	PCB (MF) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-47410	PCB (MF) E&M: Work to Degree 2: BOH - Rms
Degree 3	
ABWF	
ABW-02-47330	PCB (MF) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-47360	PCB (MF) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-47390	PCB (MF) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-47420	PCB (MF) ABWF: Work to Degree 3: BOH - Rms
E&M	
MEP-02-47330	PCB (MF) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-47360	PCB (MF) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-47390	PCB (MF) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-47420	PCB (MF) E&M: Work to Degree 3: BOH - Rms
Level 5 First Floor +15.00mPD	
SOUTH - Gridline J-G	
MEP-02-45015	PCB (1F) E&M: Work to Degree 3: First Floor Rms Completion



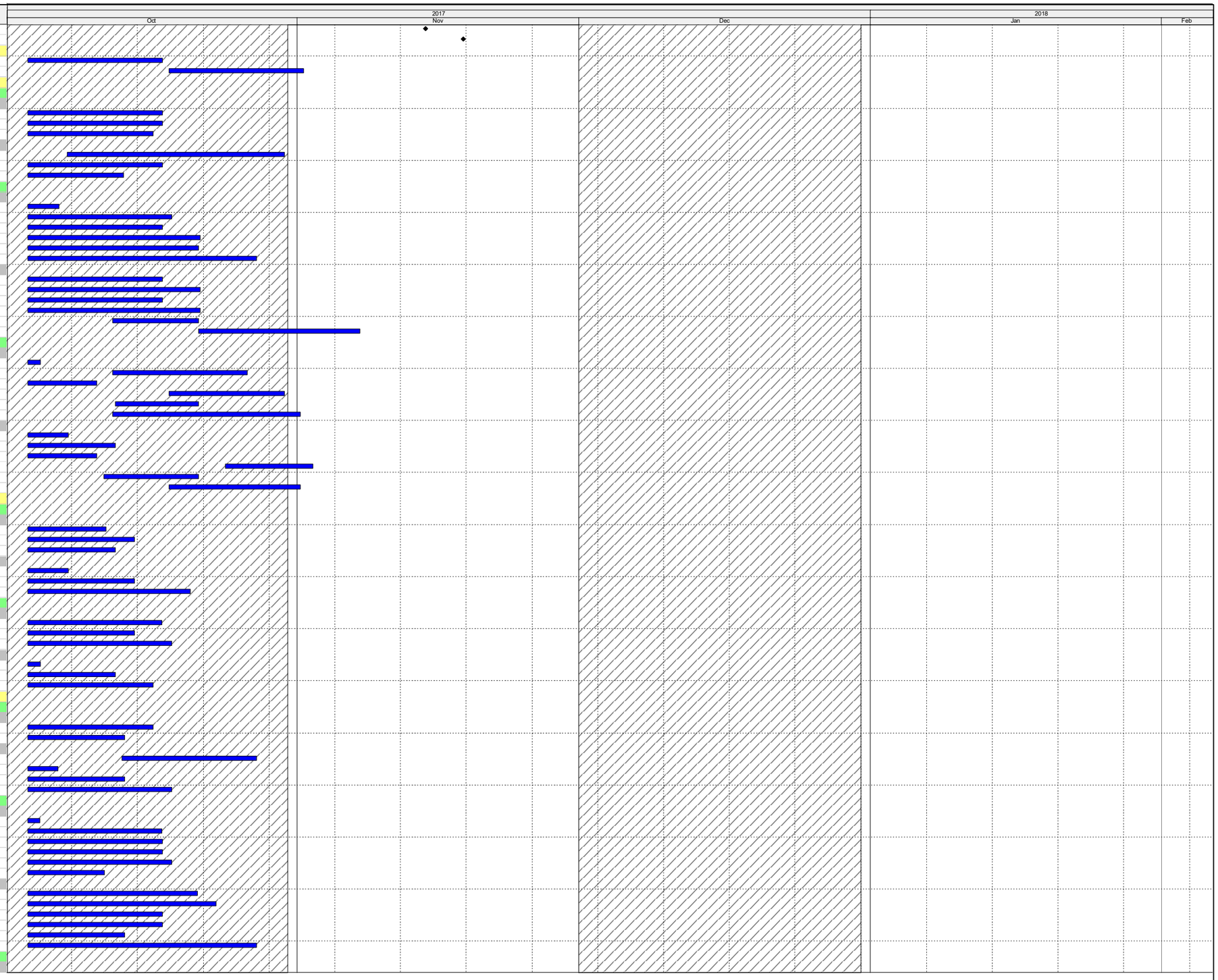
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
MEP-02-45045	PCB (1F) E&M: : DOC 3 BOH Rms Completion
MEP-02-45105	PCB (1F) E&M: FOH - Open Areas Works Complete
Degree 3	
PCB-02-17290	PCB(1F) - Installation of Roller shutter box and frame
PCB-02-17300	PCB(1F) - Installation of Roller Shutter Curtains
Zone J	
Degree 1	
ABWF	
ABW-02-46370	PCB (1F) ABWF: Work to Degree 1: BOH - Toilets/Cleaners Rm
ABW-02-46400	PCB (1F) ABWF: Work to Degree 1: BOH - Corridors/Lobby
ABW-02-46490	PCB (1F) ABWF: Work to Degree 1: FOH - Open Areas
E&M	
MEP-02-46370	PCB (1F) E&M: Work to Degree 1: BOH - Toilets/Cleaners Rm
MEP-02-46400	PCB (1F) E&M: Work to Degree 1: BOH - Corridors/Lobby
MEP-02-46490	PCB (1F) E&M: Work to Degree 1: FOH - Open Areas
Degree 2	
ABWF	
ABW-02-46350	PCB (1F) ABWF: Work to Degree 2: BOH - Elec/ELV Rms
ABW-02-46380	PCB (1F) ABWF: Work to Degree 2: BOH - Toilets/Cleaners Rm
ABW-02-46410	PCB (1F) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-46440	PCB (1F) ABWF: Work to Degree 2: BOH - Rms
ABW-02-46470	PCB (1F) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-46500	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
E&M	
MEP-02-46350	PCB (1F) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-46380	PCB (1F) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-46410	PCB (1F) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-46440	PCB (1F) E&M: Work to Degree 2: BOH - Rms
MEP-02-46470	PCB (1F) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-46500	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
ABWF	
ABW-02-46360	PCB (1F) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-46390	PCB (1F) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-46420	PCB (1F) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-46450	PCB (1F) ABWF: Work to Degree 3: BOH - Rms
ABW-02-46480	PCB (1F) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-46510	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-46360	PCB (1F) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-46390	PCB (1F) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-46420	PCB (1F) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-46450	PCB (1F) E&M: Work to Degree 3: BOH - Rms
MEP-02-46480	PCB (1F) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-46510	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
Zone H	
Degree 2	
ABWF	
ABW-02-46170	PCB (1F) ABWF: Work to Degree 2: FOH - Rms
ABW-02-46200	PCB (1F) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-46230	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
E&M	
MEP-02-46170	PCB (1F) E&M: Work to Degree 2: FOH - Rms
MEP-02-46200	PCB (1F) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-46230	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
ABWF	
ABW-02-46180	PCB (1F) ABWF: Work to Degree 3: FOH - Rms
ABW-02-46210	PCB (1F) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-46240	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-46180	PCB (1F) E&M: Work to Degree 3: FOH - Rms
MEP-02-46210	PCB (1F) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-46240	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
Zone G	
Degree 1	
ABWF	
ABW-02-46010	PCB (1F) ABWF: Work to Degree 1: BOH - Toilets/Cleaners Rm
ABW-02-46040	PCB (1F) ABWF: Work to Degree 1: BOH - Corridors/Lobby
E&M	
MEP-02-46010	PCB (1F) E&M: Work to Degree 1: BOH - Toilets/Cleaners Rm
MEP-02-46040	PCB (1F) E&M: Work to Degree 1: BOH - Corridors/Lobby
MEP-02-46070	PCB (1F) E&M: Work to Degree 1: BOH - Rms
MEP-02-46100	PCB (1F) E&M: Work to Degree 1: FOH - BIN/Kiosks/cubicles
Degree 2	
ABWF	
ABW-02-45990	PCB (1F) ABWF: Work to Degree 2: BOH - Elec/ELV Rms
ABW-02-46020	PCB (1F) ABWF: Work to Degree 2: BOH - Toilets/Cleaners Rm
ABW-02-46050	PCB (1F) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-46080	PCB (1F) ABWF: Work to Degree 2: BOH - Rms
ABW-02-46110	PCB (1F) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles
ABW-02-46140	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
E&M	
MEP-02-45990	PCB (1F) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-46020	PCB (1F) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-46050	PCB (1F) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-46080	PCB (1F) E&M: Work to Degree 2: BOH - Rms
MEP-02-46110	PCB (1F) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles
MEP-02-46140	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
ABWF	



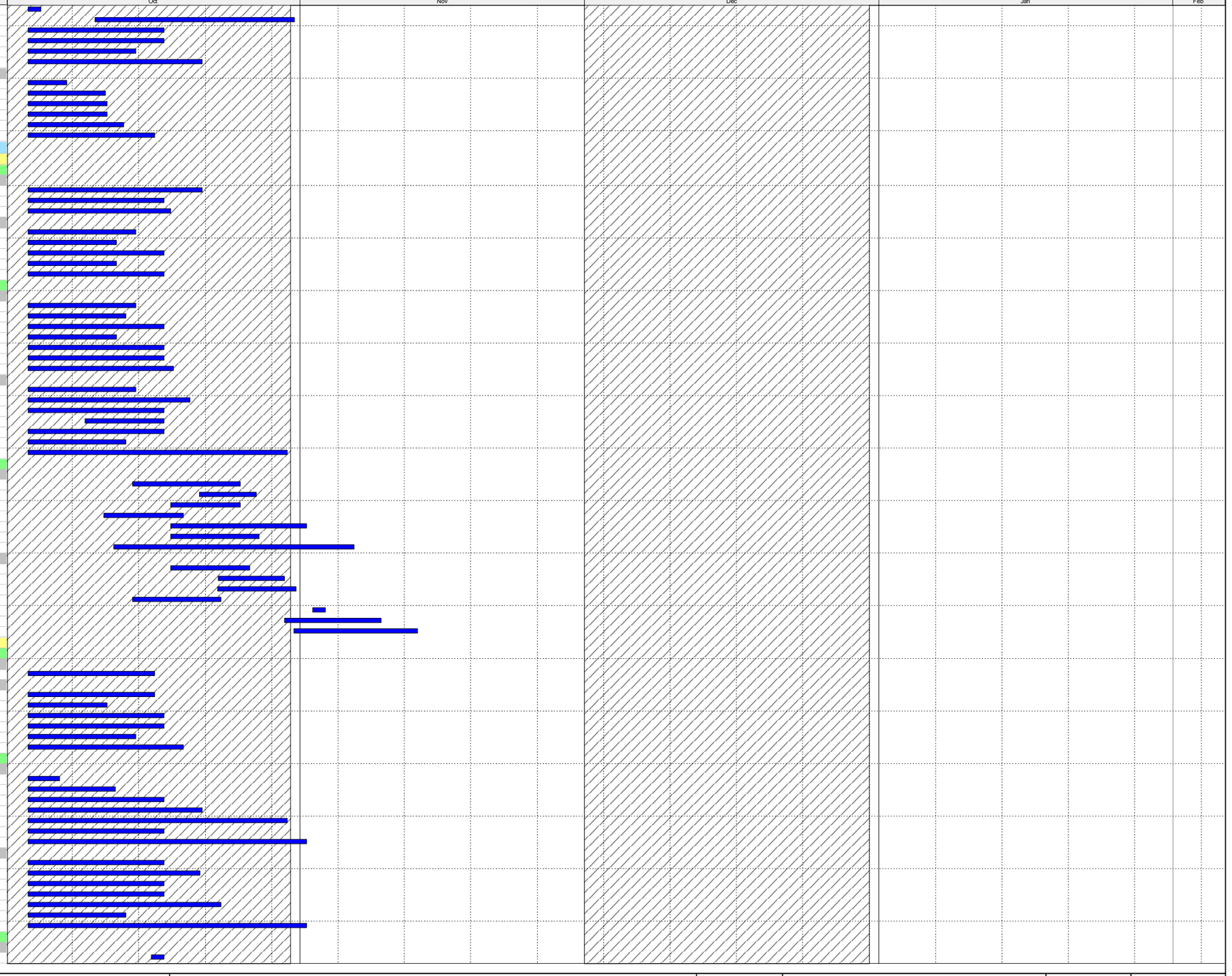
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
ABW-02-46000	PCB (1F) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-46030	PCB (1F) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-46060	PCB (1F) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-46090	PCB (1F) ABWF: Work to Degree 3: BOH - Rms
ABW-02-46120	PCB (1F) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles
ABW-02-46150	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
	E&M
MEP-02-46000	PCB (1F) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-46030	PCB (1F) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-46060	PCB (1F) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-46090	PCB (1F) E&M: Work to Degree 3: BOH - Rms
MEP-02-46120	PCB (1F) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles
MEP-02-46150	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
MIDDLE - Gridline G-E	
Zone F	
Degree 1	
	ABWF
ABW-02-45710	PCB (1F) ABWF: Work to Degree 1: BOH - Toilets/Cleaners Rm
ABW-02-45740	PCB (1F) ABWF: Work to Degree 1: BOH - Corridors/Lobby
ABW-02-45800	PCB (1F) ABWF: Work to Degree 1: FOH - Rms
	E&M
MEP-02-45680	PCB (1F) E&M: Work to Degree 1: BOH - Elec/ELV Rms
MEP-02-45710	PCB (1F) E&M: Work to Degree 1: BOH - Toilets/Cleaners Rm
MEP-02-45740	PCB (1F) E&M: Work to Degree 1: BOH - Corridors/Lobby
MEP-02-45770	PCB (1F) E&M: Work to Degree 1: BOH - Rms
MEP-02-45800	PCB (1F) E&M: Work to Degree 1: FOH - Rms
Degree 2	
	ABWF
ABW-02-45690	PCB (1F) ABWF: Work to Degree 2: BOH - Elec/ELV Rms
ABW-02-45720	PCB (1F) ABWF: Work to Degree 2: BOH - Toilets/Cleaners Rm
ABW-02-45750	PCB (1F) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-45780	PCB (1F) ABWF: Work to Degree 2: BOH - Rms
ABW-02-45810	PCB (1F) ABWF: Work to Degree 2: FOH - Rms
ABW-02-45840	PCB (1F) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-45870	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
	E&M
MEP-02-45690	PCB (1F) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-45720	PCB (1F) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-45750	PCB (1F) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-45780	PCB (1F) E&M: Work to Degree 2: BOH - Rms
MEP-02-45810	PCB (1F) E&M: Work to Degree 2: FOH - Rms
MEP-02-45840	PCB (1F) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-45870	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
	ABWF
ABW-02-45700	PCB (1F) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-45730	PCB (1F) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-45760	PCB (1F) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-45790	PCB (1F) ABWF: Work to Degree 3: BOH - Rms
ABW-02-45820	PCB (1F) ABWF: Work to Degree 3: FOH - Rms
ABW-02-45850	PCB (1F) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-45880	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
	E&M
MEP-02-45700	PCB (1F) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-45730	PCB (1F) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-45760	PCB (1F) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-45790	PCB (1F) E&M: Work to Degree 3: BOH - Rms
MEP-02-45820	PCB (1F) E&M: Work to Degree 3: FOH - Rms
MEP-02-45850	PCB (1F) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-45880	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
Zone D	
Degree 1	
	ABWF
ABW-02-45230	PCB (1F) ABWF: Work to Degree 1: BOH - Toilets/Changing Rm
	E&M
MEP-02-45200	PCB (1F) E&M: Work to Degree 1: BOH - Elec/ELV Rms
MEP-02-45230	PCB (1F) E&M: Work to Degree 1: BOH - Toilets/Changing Rm
MEP-02-45260	PCB (1F) E&M: Work to Degree 1: BOH - Corridors/Lobby
MEP-02-45290	PCB (1F) E&M: Work to Degree 1: BOH - Rms
MEP-02-45320	PCB (1F) E&M: Work to Degree 1: FOH - Rms
MEP-02-45380	PCB (1F) E&M: Work to Degree 1: FOH - Open Areas
Degree 2	
	ABWF
ABW-02-45210	PCB (1F) ABWF: Work to Degree 2: BOH - Elec/ELV Rms
ABW-02-45240	PCB (1F) ABWF: Work to Degree 2: BOH - Toilets/Changing Rm
ABW-02-45270	PCB (1F) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-45300	PCB (1F) ABWF: Work to Degree 2: BOH - Rms
ABW-02-45330	PCB (1F) ABWF: Work to Degree 2: FOH - Rms
ABW-02-45360	PCB (1F) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-45390	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
	E&M
MEP-02-45210	PCB (1F) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-45240	PCB (1F) E&M: Work to Degree 2: BOH - Toilets/Changing Rm
MEP-02-45270	PCB (1F) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-45300	PCB (1F) E&M: Work to Degree 2: BOH - Rms
MEP-02-45330	PCB (1F) E&M: Work to Degree 2: FOH - Rms
MEP-02-45360	PCB (1F) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-45390	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
	ABWF
ABW-02-45220	PCB (1F) ABWF: Work to Degree 3: BOH - Elec/ELV Rms



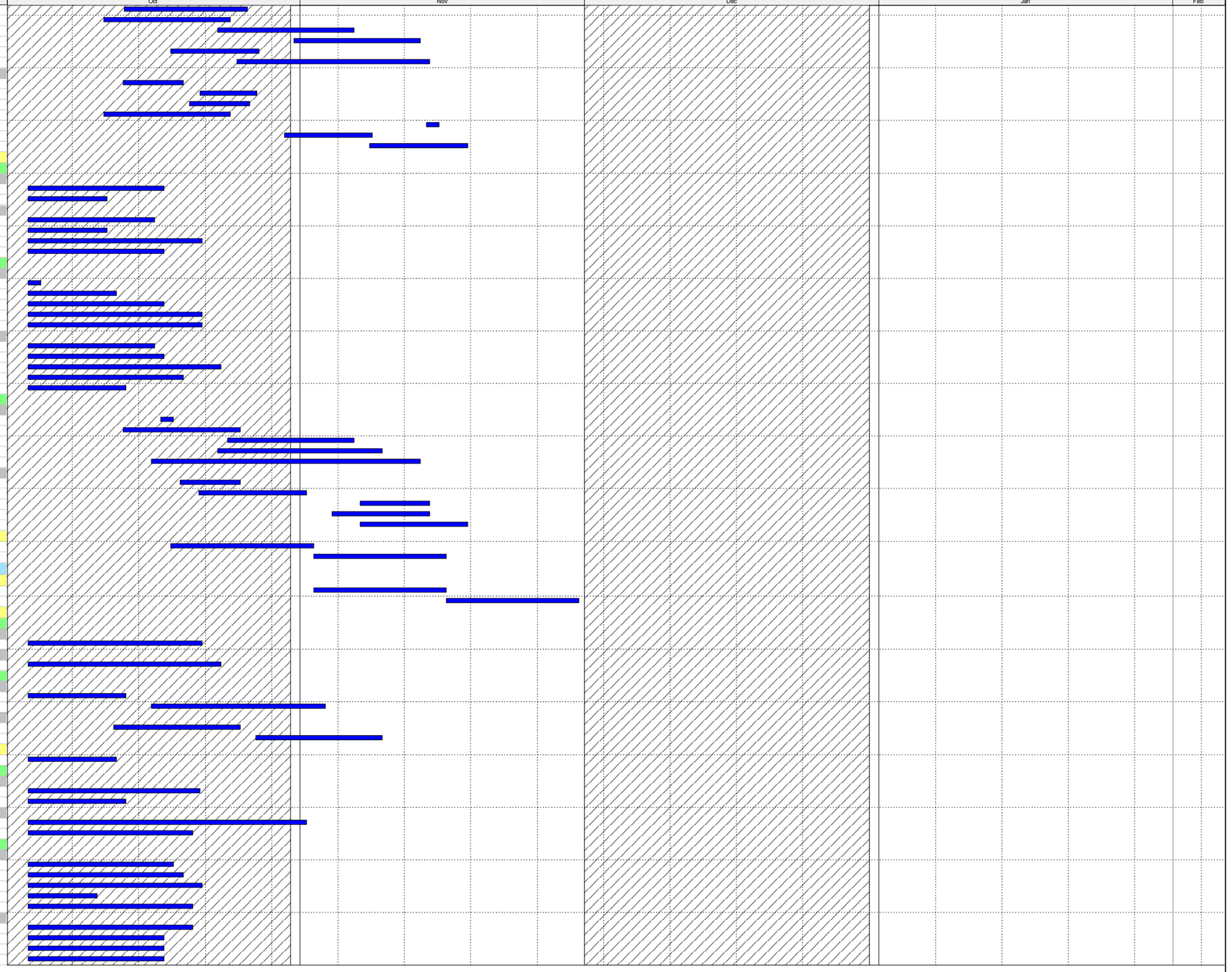
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
ABW-02-45250	PCB (1F) ABWF: Work to Degree 3: BOH - Toilets/Changing Rm
ABW-02-45280	PCB (1F) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-45310	PCB (1F) ABWF: Work to Degree 3: BOH - Rms
ABW-02-45340	PCB (1F) ABWF: Work to Degree 3: FOH - Rms
ABW-02-45370	PCB (1F) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-45400	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-45220	PCB (1F) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-45250	PCB (1F) E&M: Work to Degree 3: BOH - Toilets/Changing Rm
MEP-02-45280	PCB (1F) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-45310	PCB (1F) E&M: Work to Degree 3: BOH - Rms
MEP-02-45340	PCB (1F) E&M: Work to Degree 3: FOH - Rms
MEP-02-45370	PCB (1F) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-45400	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
Zone E	
Degree 1	
ABWF	
ABW-02-45500	PCB (1F) ABWF: Work to Degree 1: BOH - Toilets/Cleaners Rm
ABW-02-45530	PCB (1F) ABWF: Work to Degree 1: BOH - Corridors/Lobby
E&M	
MEP-02-45470	PCB (1F) E&M: Work to Degree 1: BOH - Elec/ELV Rms
MEP-02-45500	PCB (1F) E&M: Work to Degree 1: BOH - Toilets/Cleaners Rm
MEP-02-45530	PCB (1F) E&M: Work to Degree 1: BOH - Corridors/Lobby
MEP-02-45560	PCB (1F) E&M: Work to Degree 1: BOH - Rms
Degree 2	
ABWF	
ABW-02-45480	PCB (1F) ABWF: Work to Degree 2: BOH - Elec/ELV Rms
ABW-02-45510	PCB (1F) ABWF: Work to Degree 2: BOH - Toilets/Cleaners Rm
ABW-02-45540	PCB (1F) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-45570	PCB (1F) ABWF: Work to Degree 2: BOH - Rms
ABW-02-45600	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
E&M	
MEP-02-45480	PCB (1F) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-45510	PCB (1F) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-45540	PCB (1F) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-45570	PCB (1F) E&M: Work to Degree 2: BOH - Rms
MEP-02-45600	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
ABWF	
ABW-02-45490	PCB (1F) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-45520	PCB (1F) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-45550	PCB (1F) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-45580	PCB (1F) ABWF: Work to Degree 3: BOH - Rms
ABW-02-45610	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-45490	PCB (1F) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-45520	PCB (1F) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-45550	PCB (1F) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-45580	PCB (1F) E&M: Work to Degree 3: BOH - Rms
MEP-02-45610	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
Degree 3	
PCB-02-17690	PCB(1F) - Installation of Roller shutter box and frame
PCB-02-17710	PCB(1F) - Installation of Roller Shutter Curtains
NORTH - Gridline E-B	
Degree 3	
PCB-02-18010	PCB(1F) - Installation of Roller shutter box and frame
PCB-02-18030	PCB(1F) - Installation of Roller Shutter Curtains
Zone B	
Degree 2	
ABWF	
ABW-02-44820	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
E&M	
MEP-02-44820	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
ABWF	
ABW-02-44800	PCB (1F) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-44830	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-44800	PCB (1F) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-44830	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
Zone A	
ABW-02-60122	PCB (1F) ABWF: PCB Block Wall - North West
Degree 1	
ABWF	
ABW-02-44630	PCB (1F) ABWF: Work to Degree 1: BOH - Toilets/Cleaners Rm
ABW-02-44660	PCB (1F) ABWF: Work to Degree 1: BOH - Corridors/Lobby
E&M	
MEP-02-44630	PCB (1F) E&M: Work to Degree 1: BOH - Toilets/Toilet area
MEP-02-44660	PCB (1F) E&M: Work to Degree 1: BOH - Corridors/Lobby
Degree 2	
ABWF	
ABW-02-44640	PCB (1F) ABWF: Work to Degree 2: BOH - Toilets/Toilet area
ABW-02-44670	PCB (1F) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-44700	PCB (1F) ABWF: Work to Degree 2: BOH - Rms
ABW-02-44730	PCB (1F) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-44760	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
E&M	
MEP-02-44610	PCB (1F) E&M: Work to Degree 2: BOH - Elec/ELV Rms
MEP-02-44640	PCB (1F) E&M: Work to Degree 2: BOH - Toilets/Toilet area
MEP-02-44670	PCB (1F) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-44700	PCB (1F) E&M: Work to Degree 2: BOH - Rms



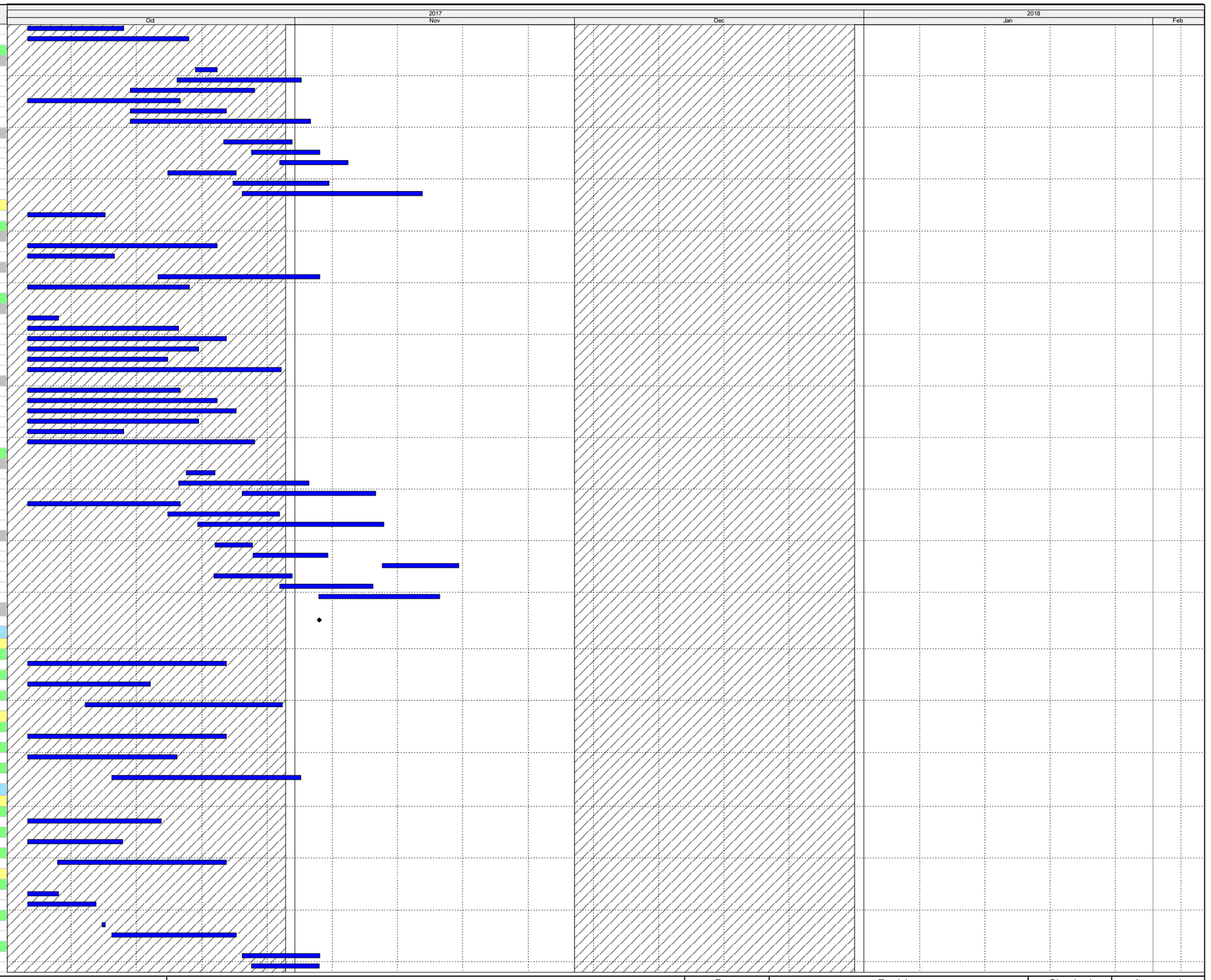
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
MEP-02-44730	PCB (1F) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-44760	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
ABWF	
ABW-02-44620	PCB (1F) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-44650	PCB (1F) ABWF: Work to Degree 3: BOH - Toilets/Toilet area
ABW-02-44680	PCB (1F) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-44710	PCB (1F) ABWF: Work to Degree 3: BOH - Rms
ABW-02-44740	PCB (1F) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-44770	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-44620	PCB (1F) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-44650	PCB (1F) E&M: Work to Degree 3: BOH - Toilets/Toilet area
MEP-02-44680	PCB (1F) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-44710	PCB (1F) E&M: Work to Degree 3: BOH - Rms
MEP-02-44740	PCB (1F) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-44770	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
Zone C	
ABW-02-60120	PCB (1F) ABWF: PCB Block Wall - North East
Degree 1	
ABWF	
ABW-02-44960	PCB (1F) ABWF: Work to Degree 1: BOH - Toilets/Cleaners Rm
ABW-02-44990	PCB (1F) ABWF: Work to Degree 1: BOH - Corridors/Lobby
E&M	
MEP-02-44960	PCB (1F) E&M: Work to Degree 1: BOH - Toilets/Cleaners Rm
MEP-02-44990	PCB (1F) E&M: Work to Degree 1: BOH - Corridors/Lobby
Degree 2	
ABWF	
ABW-02-44940	PCB (1F) ABWF: Work to Degree 2: BOH - Elec/ELV Rms
ABW-02-44970	PCB (1F) ABWF: Work to Degree 2: BOH - Toilets/Cleaners Rm
ABW-02-45000	PCB (1F) ABWF: Work to Degree 2: BOH - Corridors/Lobby
ABW-02-45030	PCB (1F) ABWF: Work to Degree 2: BOH - Rms
ABW-02-45060	PCB (1F) ABWF: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-45090	PCB (1F) ABWF: Work to Degree 2: FOH - Open Areas
E&M	
MEP-02-44940	PCB (1F) E&M: Work to Degree 2: BOH -Elec/ELV Rms
MEP-02-44970	PCB (1F) E&M: Work to Degree 2: BOH - Toilets/Cleaners Rm
MEP-02-45000	PCB (1F) E&M: Work to Degree 2: BOH - Corridors/Lobby
MEP-02-45030	PCB (1F) E&M: Work to Degree 2: BOH - Rms
MEP-02-45060	PCB (1F) E&M: Work to Degree 2: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-45090	PCB (1F) E&M: Work to Degree 2: FOH - Open Areas
Degree 3	
ABWF	
ABW-02-44950	PCB (1F) ABWF: Work to Degree 3: BOH - Elec/ELV Rms
ABW-02-44980	PCB (1F) ABWF: Work to Degree 3: BOH - Toilets/Cleaners Rm
ABW-02-45010	PCB (1F) ABWF: Work to Degree 3: BOH - Corridors/Lobby
ABW-02-45040	PCB (1F) ABWF: Work to Degree 3: BOH - Rms
ABW-02-45070	PCB (1F) ABWF: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
ABW-02-45100	PCB (1F) ABWF: Work to Degree 3: FOH - Open Areas
E&M	
MEP-02-44950	PCB (1F) E&M: Work to Degree 3: BOH - Elec/ELV Rms
MEP-02-44980	PCB (1F) E&M: Work to Degree 3: BOH - Toilets/Cleaners Rm
MEP-02-45010	PCB (1F) E&M: Work to Degree 3: BOH - Corridors/Lobby
MEP-02-45040	PCB (1F) E&M: Work to Degree 3: BOH - Rms
MEP-02-45070	PCB (1F) E&M: Work to Degree 3: FOH - BIN/Kiosks/cubicles/Rms
MEP-02-45100	PCB (1F) E&M: Work to Degree 3: FOH - Open Areas
Level 6 Cabin Roof +19.50mPD	
MEP-02-50095	PCB (CR) E&M: Work to Degree 3: Cabin Roof Rms Completion
Southern Cabins	
Zone G	
Degree 1	
ABW-02-50581	PCB (CR) ABWF: Work to Degree 1: BOH - E&M Plant Area
Degree 2	
MEP-02-50591	PCB (CR) E&M: Work to Degree 2: BOH - E&M Plant Area
Degree 3	
ABW-02-50601	PCB (CR) ABWF: Work to Degree 3: BOH - E&M Plant Area
Zone J	
Degree 1	
ABW-02-50580	PCB (CR) ABWF: Work to Degree 1: BOH - E&M Plant Area
Degree 2	
MEP-02-50590	PCB (CR) E&M: Work to Degree 2: BOH - E&M Plant Area
Degree 3	
ABW-02-50600	PCB (CR) ABWF: Work to Degree 3: BOH - E&M Plant Area
Middle Cabins	
Zone D	
Degree 1	
ABW-02-50160	PCB (CR) ABWF: Work to Degree 1: BOH - E&M Plant Area
Degree 2	
MEP-02-50170	PCB (CR) E&M: Work to Degree 2: BOH - E&M Plant Area
Degree 3	
ABW-02-50180	PCB (CR) ABWF: Work to Degree 3: BOH - E&M Plant Area
Zone E	
Degree 1	
ABW-02-50220	PCB (CR) ABWF: Work to Degree 1: BOH - Service Column
MEP-02-50220	PCB (CR) E&M: Work to Degree 1: BOH - Service Column
Degree 2	
ABW-02-50230	PCB (CR) ABWF: Work to Degree 2: BOH - Service Column
MEP-02-50230	PCB (CR) E&M: Work to Degree 2: BOH - Service Column (Roof Connection)
Degree 3	
ABW-02-50240	PCB (CR) ABWF: Work to Degree 3: BOH - Service Column (Cladding)
MEP-02-50240	PCB (CR) E&M: Work to Degree 3: BOH - Service Column



Actual Work
Remaining Work
Critical Remaining Work
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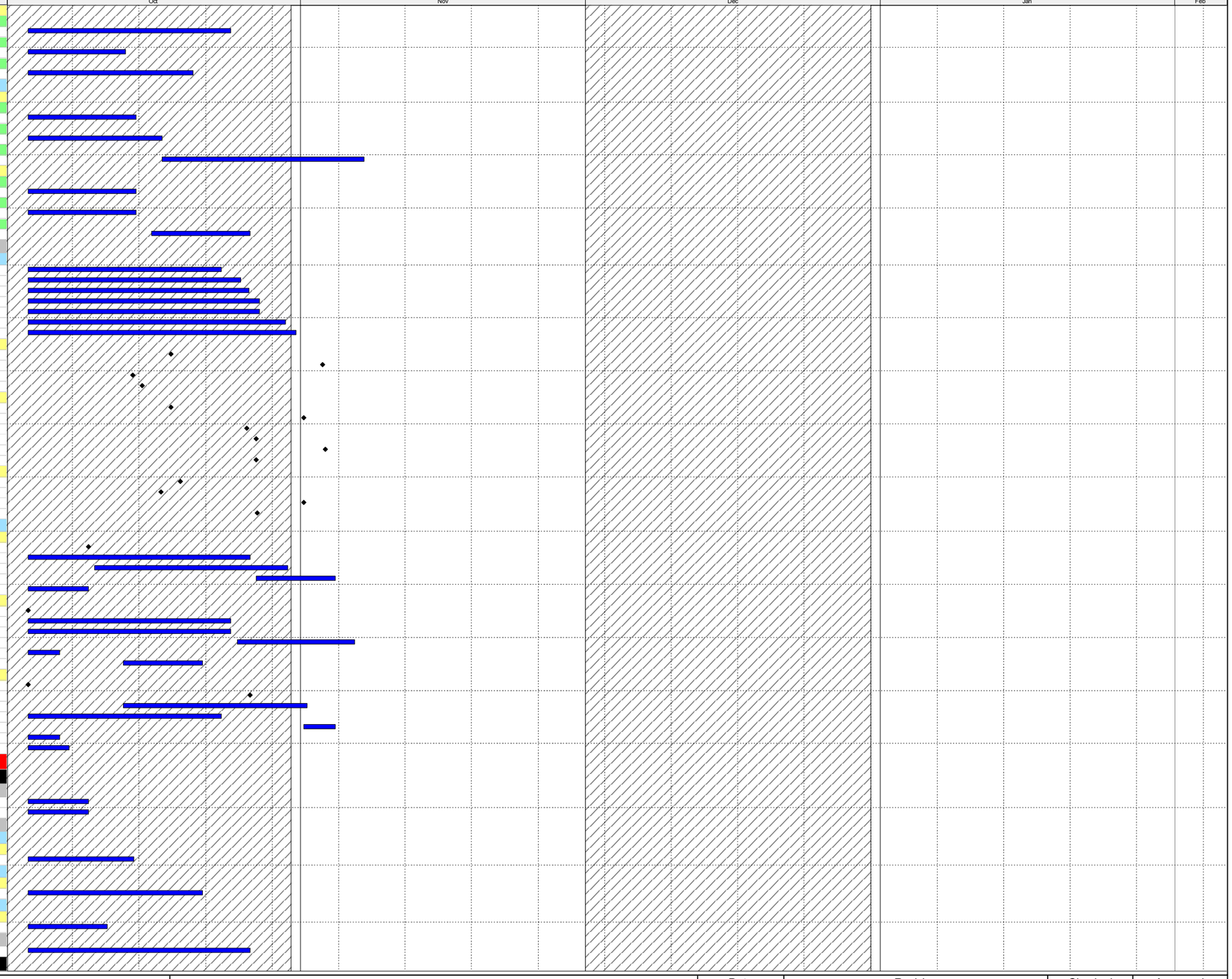
Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
Zone F	
Degree 1	
ABW-02-50250	PCB (CR) ABWF: Work to Degree 1: BOH - E&M Plant Area
Degree 2	
MEP-02-50260	PCB (CR) E&M: Work to Degree 2: BOH - E&M Plant Area
Degree 3	
ABW-02-50270	PCB (CR) ABWF: Work to Degree 3: BOH - E&M Plant Area
Northern Cabins	
Zone C	
Degree 1	
ABW-02-50070	PCB (CR) ABWF: Work to Degree 1: BOH - E&M Plant Area
Degree 2	
MEP-02-50080	PCB (CR) E&M: Work to Degree 2: BOH - E&M Plant Area
Degree 3	
ABW-02-50090	PCB (CR) ABWF: Work to Degree 3: BOH - E&M Plant Area
Zone A	
Degree 1	
ABW-02-50010	PCB (CR) ABWF: Work to Degree 1: BOH - E&M Plant Area
Degree 2	
MEP-02-50020	PCB (CR) E&M: Work to Degree 2: BOH - E&M Plant Area
Degree 3	
ABW-02-50030	PCB (CR) ABWF: Work to Degree 3: BOH - E&M Plant Area
PCB - All Levels (Shafts, Ducts and Risers)	
PCB - All Levels	
MEP-02-70214	PCB (All) E&M: Liftshaft 6 : Lift Install
MEP-02-70274	PCB (All) E&M: Liftshaft 7 : Lift Install
MEP-02-70344	PCB (All) E&M: Liftshaft 3 : Lift Install
MEP-02-70404	PCB (All) E&M: Liftshaft 4 : Lift Install
MEP-02-70464	PCB (All) E&M: Liftshaft 5 : Lift Install
MEP-02-70524	PCB (All) E&M: Liftshaft 1 : Lift Install
MEP-02-70584	PCB (All) E&M: Liftshaft 2 : Lift Install
SOUTH - Gridline J-G	
MEP-02-41275	PCB (Zone G) - BOH Rms Ready for Testing
MEP-02-41295	PCB (Zone J) - BOH Rms Ready for Testing
MEP-02-50805	PCB (Zone G) E&M: BS Dist Complete Ready for Testing
MEP-02-50825	PCB (Zone J) E&M: BS Dist Complete Ready for Testing
MIDDLE - Gridline G-E	
MEP-02-41245	PCB (Zone D) - BOH Rms Ready for Testing
MEP-02-41255	PCB (Zone E) - BOH Rms Ready for Testing
MEP-02-41265	PCB (Zone F) - BOH Rms Ready for Testing
MEP-02-50755	PCB (Zone D) E&M: BS Dist Complete Ready for Testing
MEP-02-50765	PCB (Zone E) E&M: BS Dist Complete Ready for Testing
MEP-02-50785	PCB (Zone F) E&M: BS Dist Complete Ready for Testing
NORTH - Gridline E-B	
MEP-02-41215	PCB (Zone A) - BOH Rms Ready for Testing
MEP-02-41235	PCB (Zone C) - BOH Rms Ready for Testing
MEP-02-50715	PCB (Zone A) E&M: BS Dist Complete Ready for Testing
MEP-02-50735	PCB (Zone C) E&M: BS Dist Complete Ready for Testing
PCB - Ceiling	
SOUTH - Gridline J-G	
ABW-02-56000	PCB(CL) ABWF: Facade South Completion
ABW-02-56040	PCB(CL) ABWF: Internal baffle South - Row 2
ABW-02-56070	PCB(CL) ABWF: External baffle South - Row 1&2
ABW-02-56100	PCB(CL) ABWF: Cleaning & Inspection Sth - Row 1&2
MEP-02-56040	PCB(CL) E&M: Works Row 1&2 Works
MIDDLE - Gridline G-E	
ABW-02-56012	PCB(CL) ABWF: Facade East/West Completion Middle
ABW-02-56050	PCB(CL) ABWF: Internal baffle Middle - Row 3
ABW-02-56080	PCB(CL) ABWF: External baffle Middle - Row 3
ABW-02-56110	PCB(CL) ABWF: Cleaning & Inspection Middle - Row 3
MEP-02-56050	PCB(CL) E&M: Works Row 3 Works
MEP-02-56080	PCB(CL) E&M: Service Column Connected and BS Works
NORTH - Gridline E-B	
ABW-02-56014	PCB(CL) ABWF: Facade East/West Completion Nth
ABW-02-56020	PCB(CL) ABWF: Facade North Completion
ABW-02-56060	PCB(CL) ABWF: Internal baffle North - Row 4
ABW-02-56090	PCB(CL) ABWF: External baffle North - Row 4
ABW-02-56120	PCB(CL) ABWF: Cleaning & Inspection North - Row 4&5
MEP-02-56060	PCB(CL) E&M: Works Row 4 Works
MEP-02-56070	PCB(CL) E&M: Works Row 5 Works
Facade	
Façade - Curtain Wall	
Southern Façade	
PCB-02-52260	PCB - Curtain Wall Glazing (South) West
PCB-02-7320	PCB - Curtain Wall Glazing (South) East
Western Façade	
Cabin 1 - South	
Double Bow Truss	
PCB-02-52580	PCB - Curtain Wall Glazing (West - Zone A)
Cabin 2 - Middle	
Double Bow Truss	
PCB-02-52590	PCB - Curtain Wall Glazing (West - Zone A)
Cabin 3 - North	
Double Bow Truss	
PCB-02-52600	PCB - Curtain Wall Glazing (West - Zone C)
Northern Façade	
PCB-02-12190	PCB - Curtain Wall Glazing (North)
Façade - Window Wall to Cabins	



Actual Work
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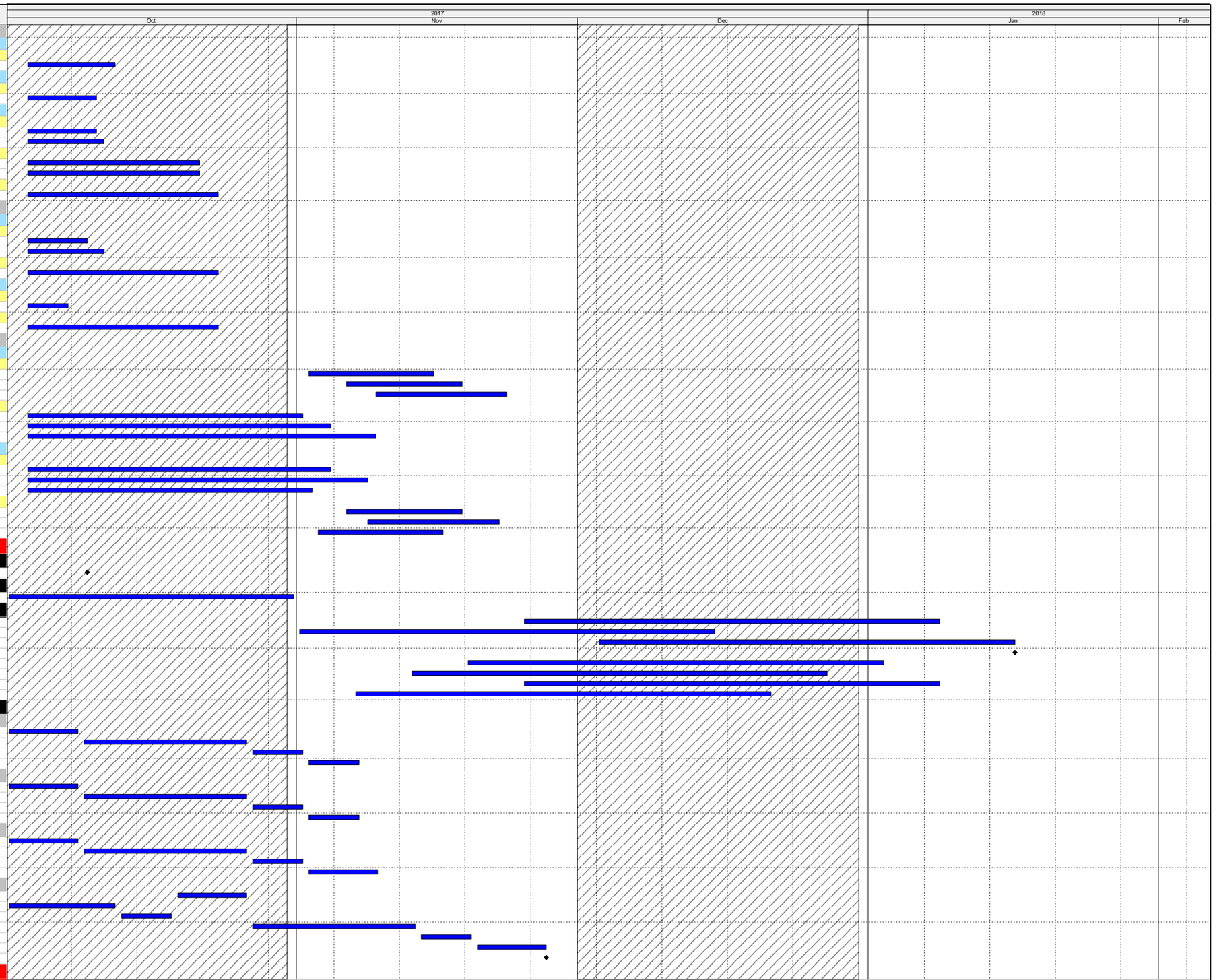
Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
East Side	
SOUTH - Gridline J-G - CABIN 4	
First Floor	
PCB-02-30310	PCB (FF) - Window Wall Glazing and Louvers (Unit Installation) (Cabin 4/Zone J)
MIDDLE - Gridline G-E - CABIN 5	
Ground Floor	
PCB-02-52290	PCB (GF) - Window Wall Glazing (Cabin 5/Zone F) Post Roof Temp Works Removal
NORTH - Gridline E-B - CABIN 6	
Ground Floor	
PCB-02-31460	PCB (GF) - Window Wall Glazing (Cabin 6/Zone C)
PCB-02-52310	PCB (GF) - Window Wall Glazing (Cabin 6/Zone C) Post Roof Temp Works Removal
Mezzanine Floor	
PCB-02-30370	PCB (MF) - Window Wall Glazing and Louvers (Unit Installation) (Cabin 6/Zone C)
PCB-02-52320	PCB (MF) - Window Wall Glazing and Louvers (Cabin 6/Zone C) Post Roof Temp Works Removal
First Floor	
PCB-02-30410	PCB (FF) - Window Wall Glazing and Louvers (Unit Installation) (Cabin 6/Zone C)
West Side	
MIDDLE - Gridline G-E - CABIN 2	
Ground Floor	
PCB-02-31410	PCB (GF) - Window Wall Glazing and Louvers (Unit Installation) (Cabin 2/Zone D)
PCB-02-52350	PCB (GF) - Window Wall Glazing and Louvers (Cabin 2/Zone D) Post Roof Temp Works Remove
First Floor	
PCB-02-30170	PCB (FF) - Window Wall Glazing and Louvers (Unit Installation) (Cabin 2/Zone D)
NORTH - Gridline E-B - CABIN 3	
Ground Floor	
PCB-02-52370	PCB (GF) - Window Wall Glazing (Cabin 3/Zone A) Post Roof Temp Works Remove
First Floor	
PCB-02-30240	PCB (FF) - Window Wall Glazing and Louvers (Unit Installation) (Cabin 3/Zone A)
Solar Shading Louvre & Glass Cladding to Cabins	
East Elevation	
Solar Shades	
PCB-XX-0500	Install Solar Shades above Cabin 4
PCB-XX-540	Install Solar Shades above Cabin 5
PCB-XX-550	Install Solar Shades above Cabin 6
External Steel Staircase	
PCB-XX-0520	Install Steel Cabin Staircase Cabin 4
PCB-XX-670	Install Steel Cabin Staircase Cabin 5
PCB-XX-680	Install Steel Cabin Staircase Cabin 6
West Elevation	
External Steel Staircase	
PCB-XX-0510	Install Steel Cabin Staircase Cabin 1
PCB-XX-650	Install Steel Cabin Staircase Cabin 2
PCB-XX-660	Install Steel Cabin Staircase Cabin 3
Solar Shades	
PCB-XX-0490	Install Solar Shades above Cabin 1
PCB-XX-520	Install Solar Shades above Cabin 2
PCB-XX-530	Install Solar Shades above Cabin 3
Southern Drop-Off Area	
Southern Drop off Area - Deck Columns	
PCB-16-2070	DoA - Complete Southern Elevation Curtain Wall
Southern Drop off Area - Decking	
PCB-16-520-28	DoA - JV Temporary Occupy Drop Off Deck for Office
Road & Drainage Works	
PCB-16-2160	DOA - Road Markings and Signage (Under deck)
PCB-16-550	DOA - Road and Drainage works (Upper deck)
PCB-16-770	DOA - Cleaning and Snagging (Upper deck)
PCB-16-850	Complete Section VII - Elevated drop-off area (Contract 770 days +263 days)
PCB-16-890	DOA - Construct 5no Steel Covered Walkways (Upper deck)
PCB-16-900	DOA - Parapets, Steel Ballustrades (Upper deck)
PCB-16-910	DOA - Road Markings and Signage (Upper deck)
PCB-16-930	DOA - Kurbing and Pedestrian Walkways (Upper deck)
Southern Footbridge Links	
South Footbridge 4	
PCB-16-2170	SFB4 - Complete Installation of remaining glazed sealed units in Southern Curtain Wall
PCB-16-820	SFB4 - Stage 2 - Construct Stage 2 deck
PCB-16-830	SFB4 - Stage 2 - Remove temp falseworks
PCB-16-840	SFB4 - Erect glass balustrade and complete remaining works
South Footbridge 3	
PCB-16-2180	SFB3 - Complete Installation of remaining glazed sealed units in Southern Curtain Wall
PCB-16-780	SFB3 - Stage 2 - Construct Stage 2 deck
PCB-16-800	SFB3 - Stage 2 - Remove temp falseworks
PCB-16-810	SFB3 - Erect glass balustrade and complete remaining works
South Footbridge 2	
PCB-16-2190	SFB2 - Complete Installation of remaining glazed sealed units in Southern Curtain Wall
PCB-16-730	SFB2 - Stage 2 - Construct Stage 2 deck
PCB-16-750	SFB2 - Stage 2 - Remove temp falseworks
PCB-16-760	SFB2 - Erect glass balustrade and complete remaining works
South Footbridge 1	
PCB-16-2200	SFB1 - Complete Installation of remaining glazed sealed units in Southern Curtain Wall
PCB-16-610	SFB1 - Stage 1 - Construct Stage 1 deck
PCB-16-670	SFB1 - Stage 1 - Prestress the cables and grouting
PCB-16-690	SFB1 - Stage 2 - Construct Stage 2 deck
PCB-16-710	SFB1 - Stage 2 - Remove temp falseworks
PCB-16-720	SFB1 - Erect glass balustrade and complete remaining works
PCB-16-940	Complete Section VII - Southern Footbridges (Contract 770 days +263 days)
C&ED Observation Guard Booth	



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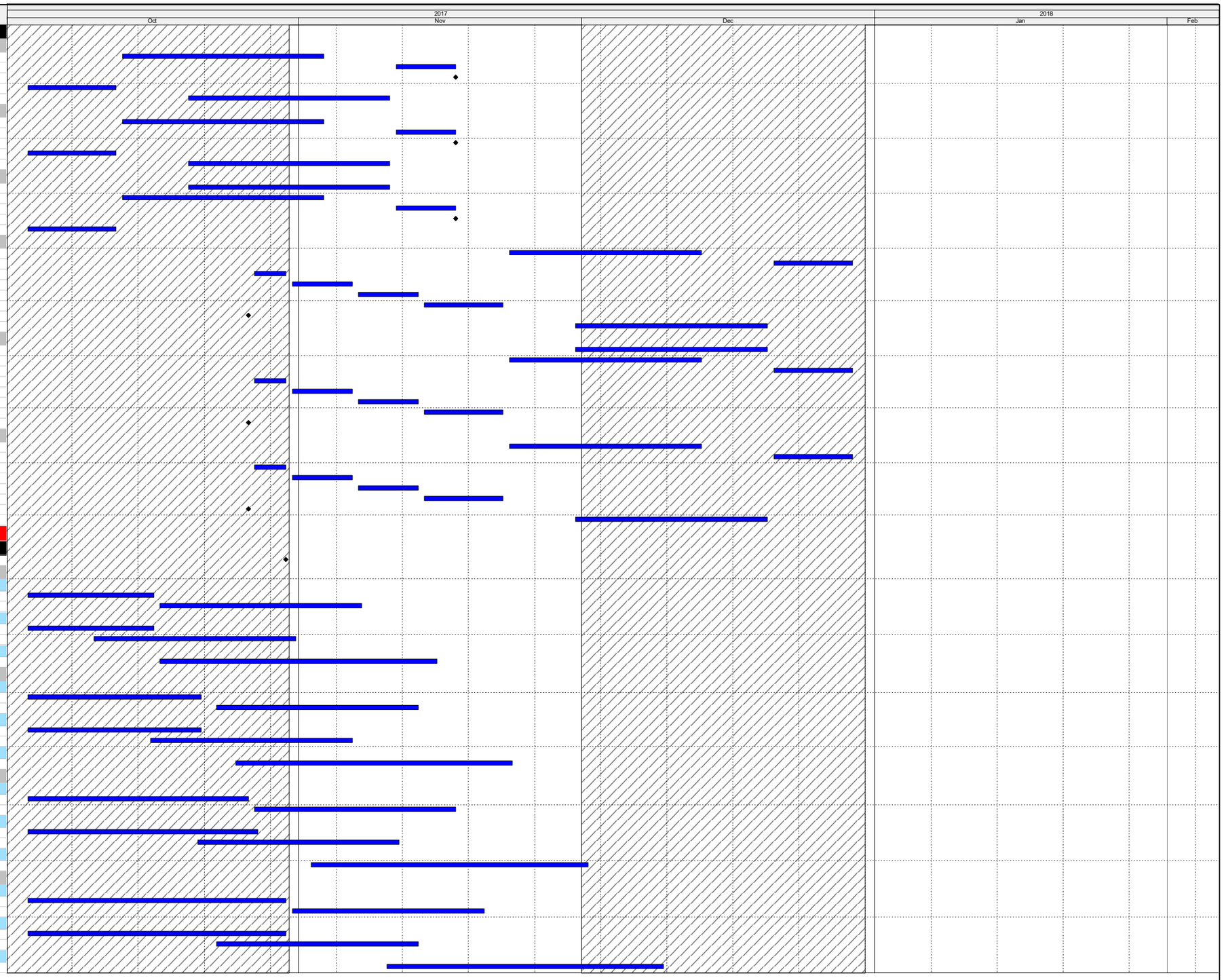
HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
Structures	
South PTI COB06	
PCB-05-1530	OGB(S) - ABWF Works
PCB-05-1540	OGB(S) - T&C, Final Inspection
PCB-05-1550	Completion of Section VII - Guard Booths (Contract 770 days +263 days)
PCB-05-1590	OGB(S) - Construct Steel Columns & Roof
PCB-05-1610	OGB(S) - MEP Works
South PTI COB07	
PCB-05-1720	OGB(S) - ABWF Works
PCB-05-1730	OGB(S) - T&C, Final Inspection
PCB-05-1740	Completion of Section VII - Guard Booths (Contract 770 days +263 days)
PCB-05-1780	OGB(S) - Construct Steel Columns & Roof
PCB-05-1800	OGB(S) - MEP Works
South PTI COB08	
PCB-05-1700	OGB(S) - MEP Works
PCB-05-1810	OGB(S) - ABWF Works
PCB-05-1820	OGB(S) - T&C, Final Inspection
PCB-05-1830	Completion of Section VII - Guard Booths (Contract 770 days +263 days)
PCB-05-1870	OGB(S) - Construct Steel Columns & Roof
North PTI COB03	
PCB-05-1620	OGB(N) - ABWF Works
PCB-05-1630	OGB(N) - T&C, Final Inspection
PCB-05-1640	OGB(N) - Site Suvey and Setting out
PCB-05-1650	OGB(N) - Construct Footings
PCB-05-1660	OGB(N) - Construct Ground Slab
PCB-05-1670	OGB(N) - Construct Steel Columns & Roof
PCB-05-1680	Complete Northern Facade and NFB Piers
PCB-05-1710	OGB(N) - MEP Works
North PTI COB04	
PCB-05-1950	OGB(N) - MEP Works
PCB-05-2040	OGB(N) - ABWF Works
PCB-05-2050	OGB(N) - T&C, Final Inspection
PCB-05-2060	OGB(N) - Site Suvey and Setting out
PCB-05-2070	OGB(N) - Construct Footings
PCB-05-2080	OGB(N) - Construct Ground Slab
PCB-05-2090	OGB(N) - Construct Steel Columns & Roof
PCB-05-2100	Complete Northern Facade and NFB Piers
North PTI COB05	
PCB-05-1880	OGB(N) - ABWF Works
PCB-05-1890	OGB(N) - T&C, Final Inspection
PCB-05-1900	OGB(N) - Site Suvey and Setting out
PCB-05-1910	OGB(N) - Construct Footings
PCB-05-1920	OGB(N) - Construct Ground Slab
PCB-05-1930	OGB(N) - Construct Steel Columns & Roof
PCB-05-1940	Complete Northern Facade and NFB Piers
PCB-05-2110	OGB(N) - MEP Works
Northern Footbridge Links	
North Footbridges	
PCB-03-740	Completion of Section VIII - Northern Footbridges (Contract 950 days +263 days)
North Footbridge 4	
Stage 1 - PCB to P2	
PCB-03-2190	NFB4 - Complete Northern Footbridge PCB to P2 including stripping
PCB-03-2730	NFB4 - Complete at Grade works under bridge footprint
Stage 2 - P2 to P1	
PCB-03-2770	NFB4 - Complete Northern Footbridge P2 to P1 including stripping
PCB-03-2890	NFB4 - Complete at Grade works under bridge footprint
Stage 3 - P1 to Abutment	
PCB-03-2900	NFB4 - Complete Northern Footbridge P1 to Abutment including stripping
North Footbridge 3	
Stage 1 - PCB to P2	
PCB-03-2330	NFB3 - Complete Northern Footbridge PCB to P2 including stripping
PCB-03-2740	NFB3 - Complete at Grade works under bridge footprint
Stage 2 - P2 to P1	
PCB-03-3030	NFB3 - Complete Northern Footbridge P2 to P1 including stripping
PCB-03-3150	NFB3 - Complete at Grade works under bridge footprint
Stage 3 - P1 to Abutment	
PCB-03-3160	NFB3 - Complete Northern Footbridge P1 to Abutment including stripping
North Footbridge 2	
Stage 1 - PCB to P2	
PCB-03-2460	NFB2 - Complete Northern Footbridge PCB to P2 including stripping
PCB-03-2750	NFB2 - Complete at Grade works under bridge footprint
Stage 2 - P2 to P1	
PCB-03-3770	NFB2 - Complete Northern Footbridge P2 to P1 including stripping
PCB-03-3890	NFB2 - Complete at Grade works under bridge footprint
Stage 3 - P1 to Abutment	
PCB-03-3900	NFB2 - Complete Northern Footbridge P1 to Abutment including stripping
North Footbridge 1	
Stage 1 - PCB to P2	
PCB-03-2590	NFB1 - Complete Northern Footbridge PCB to P2 including stripping
PCB-03-2760	NFB1 - Complete at Grade works under bridge footprint
Stage 2 - P2 to P1	
PCB-03-3510	NFB1 - Complete Northern Footbridge P2 to P1 including stripping
PCB-03-3630	NFB1 - Complete at Grade works under bridge footprint
Stage 3 - P1 to Abutment	
PCB-03-3640	NFB1 - Complete Northern Footbridge P1 to Abutment including stripping



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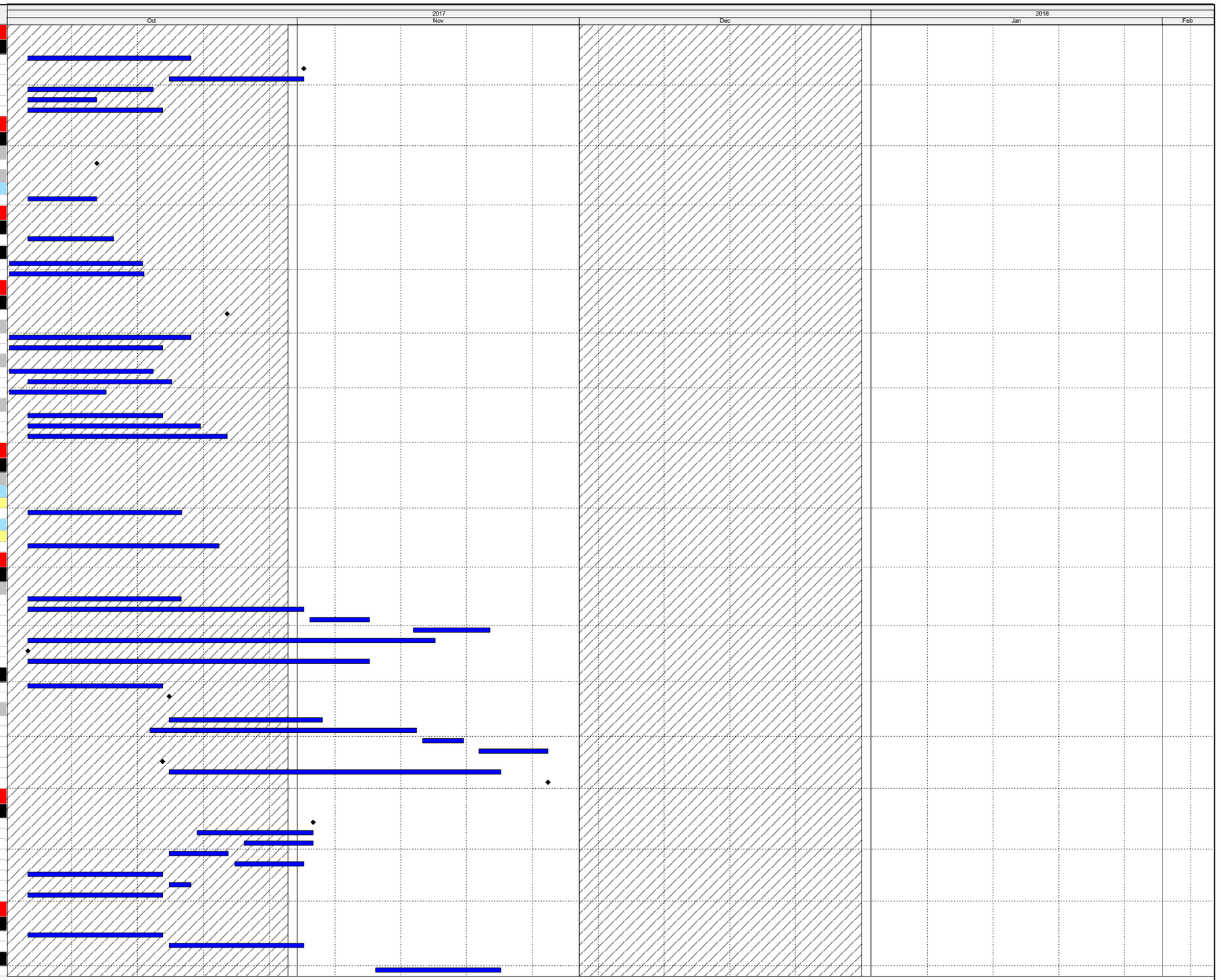
HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
Generator Set Building	
ABWF & BS / MEP / E&M Works	
PCB-02-9265	GSB - Installation of Emeregency Generators x 3 in Generator Set Building
PCB-07-1010	Completion of Section VIII - Generator Set Building (Contract 950 days +263 days)
PCB-07-1030	GSB - Installation of Steel Louvers and Frames
PCB-07-1040	GSB - BS/MEP/E&M Works
PCB-07-1070	GSB - Install Mild Steel Doors
PCB-07-1080	GSB - Install Stainless Steel Facade Greenery System
Box Culvert A	
RC Structures	
Long Section Bay 19 to 28 (135m)	
PCB-09-1590	Completion of Section III - Portion 3 Box Culvert A (Contract 600 days +287 day)
Portion B - Box Culvert Outfall Works	
Bay 31 - Outfall Structure	
PCB-09-1870-193	BCA (B) Place Rock Armour according to previous profile.
Common Utilities Enclosure	
ABWF & BS / MEP / E&M Works	
PCB-9A-1770	Contract HY/2013/06 Complete ELV Installation in CUE (Assumed Duration)
Heat Exchanger Room	
PCB-9A-1740	Install Heat Exchangers in Heat Exchanger Room (4 No)
PCB-9A-1780	Install Pumps in Heat Exchanger Room (4 No)
Seawater Pump House	
ABWF & BS / MEP / E&M Works	
PCB-13A-200	Completion of Section III - Seawater pumping station (Contract 600 days +287 day)
Basement Level	
PCB-13A-540	SWP - Seawater Pumps Installation
PCB-13A-700	SWP - Building Services Installation in Basement (Incl FS)
Ground Floor Level	
PCB-13A-530	SWP - Building Services Installation in Ground Floor
PCB-13A-620	SWP - Installation of Motor Control Centre
PCB-13A-680	SWP - ABWF Works to Ground Floor Rooms(Incl FS)
External	
PCB-13A-610	SWP - Installation of Louvers and Metalworks in Ground Floor
PCB-13A-690	SWP - Roof Waterproofing, Screeding, Insulation board , Tiling
PCB-13A-710	SWP - External Render/Tiling to Pump House
Seawater Cooling Mains and Chilled Water Supply	
Seawater Intake & Discharge	
RC Structures	
Seawater Intake Culvert	
Stage 1 - From Seawall	
PCB-14-2020	DCS Intake - Reinstate Seawall, place concrete block and staircase
Seawater Outfall Culvert	
Stage 1	
PCB-14-2070	DCS Outfall - Remove ELS and Reinstate Area
Vertical Circulation Structures	
East Vertical Circulation	
ABWF/MEP	
ABW-02-50336	EVC - ABWF : Work Degree 1 to 3 EVC Structure
MEP-02-50336	EVC - E&M : Work Degree 1 to 3 EVC Structure
MEP-02-50338	EVC - E&M : Initial Commissioning (Temp power)
MEP-02-50339	EVC - E&M : Final Commissioning (Perm Power)
MEP-02-50365	EVC - Escalator E-01 & E-02 Degree 1 to 3
MEP-02-70634	EVC - Liftshaft 9 : Lift shaft complete/Handover
MEP-02-70644	EVC - Liftshaft 9 : Lift Install
West Vertical Circulation	
PCB-02-1105	WVC - Construct RC structures
PCB-02-A9890	WVC - Earliest Commencement of ABWF/MEP to WVC
ABWF/MEP	
ABW-02-50333	WVC - ABWF : Work Degree 1 to 3 WVC Structure
MEP-02-50333	WVC - E&M :A Work Degree 1 to 3 WVC Structure
MEP-02-50343	WVC - E&M : Initial Commissioning (Temp power)
MEP-02-50353	WVC - E&M : Final Commissioning (Perm Power)
MEP-02-70694	WVC - Liftshaft 8 : Lift shaft complete/Handover
MEP-02-70704	WVC - Liftshaft 8 : Lift Install
PCB-02-510	Completion of Section VII - WVC and EVC (Contract 770 days +263 days)
Refuse Collection Point - Refuse Storage and Material Recovery Cha	
ABWF & BS / MEP / E&M Works	
PCB-06-1010	Completion of Section VIII - Refuse Collection Point (Contract 950 days +263 days)
PCB-06-1020	RCP - Installation of Steel Louvers and Frames
PCB-06-1050	RCP - Final Painting (3 Coats)
PCB-06-1060	RCP - Roller Shutter Header Box Installation
PCB-06-1070	RCP - Roller Shutter Steel Curtain Installation
PCB-06-1080	RCP - Install Stainless Steel Facade Greenery System
PCB-06-1090	RCP - Install Mild Steel Doors
PCB-06-1110	RCP - BS/MEP/E&M Works
Public Toilets at South PTI	
RC Structures	
PCB-04-140	PT - Construct Wall & Roof floor
PCB-04-260	PT - Cure and Strip Roof Floor
ABWF & BS Works	
PCB-04-150	PT - E&M installation works



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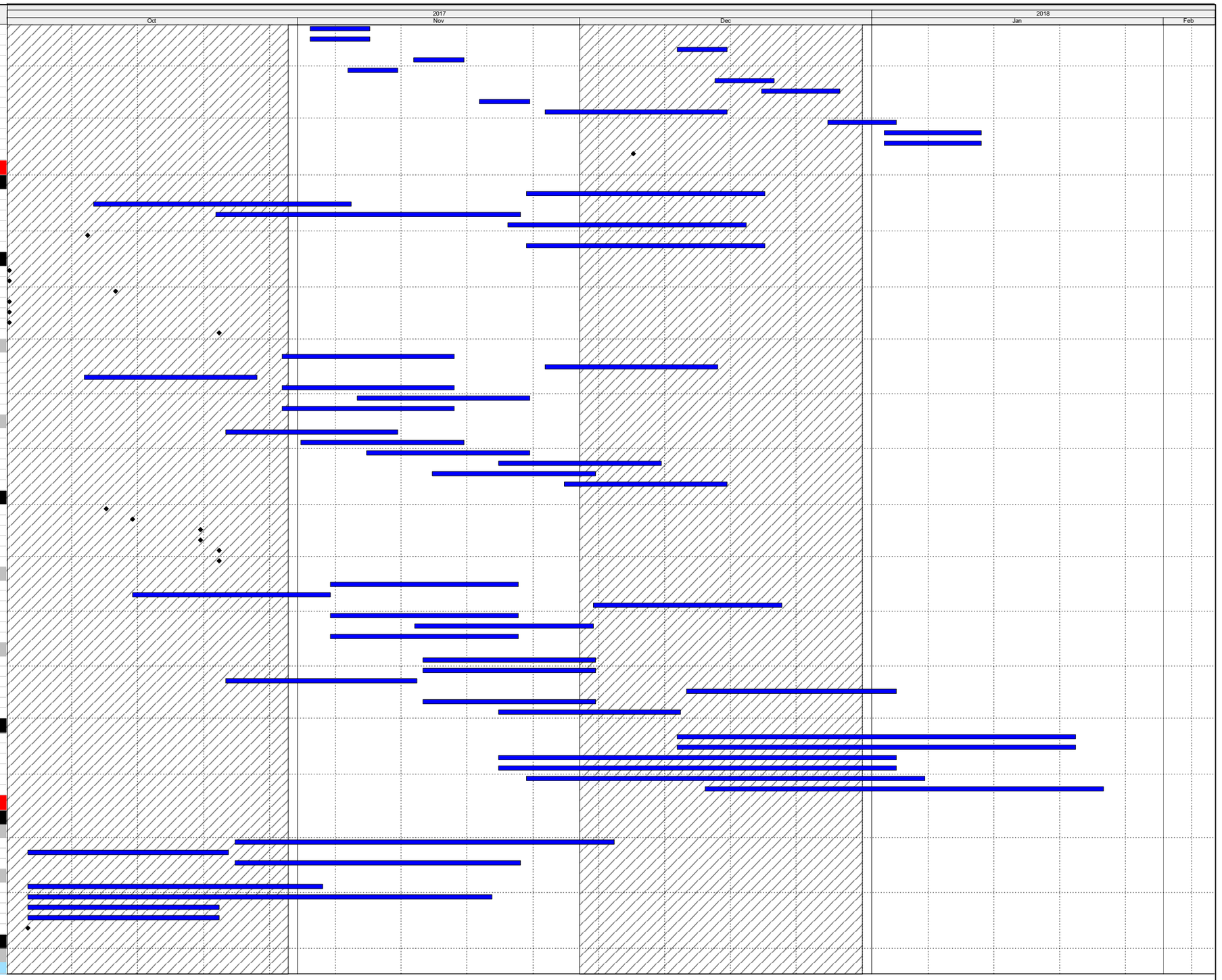
Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
PCB-04-170	PT - Steel frame for Blockwall installation
PCB-04-180	PT - Blockwall Installation
PCB-04-190	PT - Screeding Works
PCB-04-200	PT - Rendering
PCB-04-210	PT - Ceiling Painting
PCB-04-220	PT - Wall Tiling
PCB-04-230	PT - Floor Skirting and Tiling
PCB-04-240	PT - Sanitaryware Installation
PCB-04-250	PT - Plumbing and drainage connections
PCB-04-270	PT - Install Doors and Windows
PCB-04-280	PT - Final Painting
PCB-04-290	PT - Snagging and remedials
PCB-05-1510	Completion of Section VIII - Public Toilet (Contract 950 days +263 days)
External At Grade Finishes Works	
South	
PCB-19-100	PCB - Southern Soft Landscape Works
PCB-19-110	PCB - Install Natural Granite Pavers and Tactiles
PCB-19-120	PCB - Install Pre-cast Concrete Pavers
PCB-19-140	PCB - Install External Furniture, Cleaning, Snagging
PCB-19-350	PCB - Complete Curtain Wall (South Elevation)
PCB-19-90	PCB - Southern Hard Landscape Works
East	
PCB-19-160	PCB - Complete Eastern Curtain Wall Zone C
PCB-19-370	PCB - Complete Refuse Collection Point Structure
PCB-19-400	PCB - Complete Eastern Window Wall Cabin 4
PCB-19-410	PCB - Complete Eastern Curtain Wall Zone A
PCB-19-420	PCB - Complete Eastern Curtain Wall Zone B
PCB-19-460	PCB - Complete Eastern Window Wall Cabin 5
PCB-19-470	PCB - Complete Eastern Window Wall Cabin 6
Gridline J to F	
PCB-19-150	PCB - Install Pre-cast Concrete Pavers
PCB-19-170	PCB - Cleaning, Snagging
PCB-19-180	PCB - Complete Roads and Paving to PCB East
PCB-19-270	PCB - Eastern Hard Landscape Works
PCB-19-280	PCB - Eastern Soft Landscape Works
PCB-19-80	PCB - External areas railing, fencing, beam barrier, bollard and Signage (East)
Gridline F to C	
PCB-19-690	PCB - Complete Roads and Paving to PCB East
PCB-19-700	PCB - Install Pre-cast Concrete Pavers
PCB-19-710	PCB - Eastern Hard Landscape Works
PCB-19-720	PCB - Eastern Soft Landscape Works
PCB-19-730	PCB - External areas railing, fencing, beam barrier, bollard and Signage (East)
PCB-19-740	PCB - Cleaning, Snagging
West	
PCB-19-290	PCB - Complete Western Curtain Wall Zone C
PCB-19-440	PCB - Complete Eastern Curtain Wall Zone A
PCB-19-450	PCB - Complete Eastern Curtain Wall Zone B
PCB-19-480	PCB - Complete Eastern Window Wall Cabin 1
PCB-19-490	PCB - Complete Eastern Window Wall Cabin 2
PCB-19-500	PCB - Complete Eastern Window Wall Cabin 3
Gridline J to F	
PCB-19-190	PCB - Install Pre-cast Concrete Pavers
PCB-19-200	PCB - Complete Roads and Paving to PCB West
PCB-19-210	PCB - Cleaning, Snagging
PCB-19-300	PCB - Western Hard Landscape Works
PCB-19-310	PCB - Western Soft Landscape Works
PCB-19-620	PCB - External areas railing, fencing, beam barrier, bollard and Signage (West)
Gridline F to C	
PCB-19-360	PCB - External areas railing, fencing, beam barrier, bollard and Signage (West)
PCB-19-560	PCB - Install Pre-cast Concrete Pavers
PCB-19-570	PCB - Complete Roads and Paving to PCB West
PCB-19-580	PCB - Cleaning, Snagging
PCB-19-590	PCB - Western Hard Landscape Works
PCB-19-600	PCB - Western Soft Landscape Works
North	
PCB-19-230	PCB - Install Natural Granite Pavers and Tactiles
PCB-19-240	PCB - Install Pre-cast Concrete Pavers
PCB-19-260	PCB - Complete Roads and Paving to PCB North EVA
PCB-19-320	PCB - Hard Landscape Works
PCB-19-330	PCB - Soft Landscape Works
PCB-19-750	PCB - Railing, fencing, beam barrier, bollard and Signage (North)
Underground Utilities Installation	
NORTH	
Pipework	
PCB-11-0010	Stormwater Drainage South of BC (568m) (Precast, uPVC and DI)
PCB-11-40	Stormwater Drainage North of BC (509m) (Precast, uPVC and DI) North
PCB-12-50	Fresh Watermains North of BC (400m) (Polyethylene Pipe 315mm) North
Ductwork	
PCB-18-0010	Utilities and Telecom Ducts (2000m) (uPVC) North (After Surcharge)
PCB-18-0030	Road Lighting Ducts South of PTI (1200m) North
PCB-18-0040	TCSS Ductwork (450m) North
PCB-18-50	LV and ELV Cable Ducts South of Box Culvert (1500m) North
PCB-19-810	PCB - Complete sheetpile Platform for Footbridge 4
EAST	
Gridline J to F	
Utilties	



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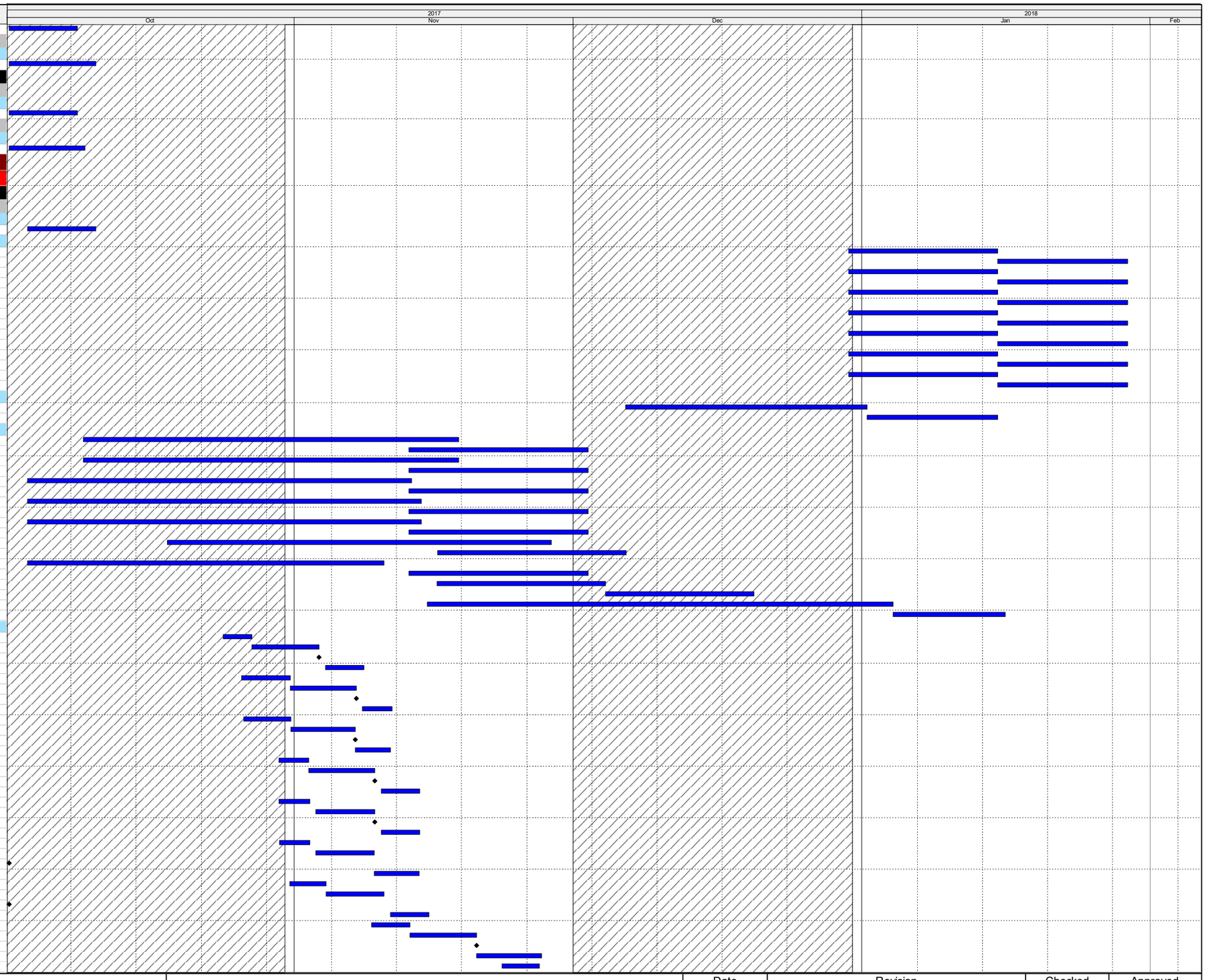
HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
PCB-11-20	Utilites, Drainage and Ductwork Installation East GL J to F
Gridline F to C	
Pipework	
PCB-11-70	Utilites, Drainage and Ductwork Installation East GL F to C
WEST	
Gridline J to F	
Utilties	
PCB-11-10	Utilites, Drainage and Ductwork Installation West GL J to F
Gridline F to C	
Utilties	
PCB-11-80	Utilites, Drainage and Ductwork Installation East GL F to C
TESTING AND COMMISSIONING	
Passenger Clearance Building	
T&C, Inspection and Handover	
Commissioning	
Detail Elec LVSB Commissioning	
MEP-02-19944	PCB - LVSB Final Connection to CLP Transformer
P&D Distribution and Sanitary ware	
MEP-02-60000	PCB(Zone A) - Pre-Commissioning P&D Sys
MEP-02-60010	PCB(Zone A) - Commissioning P&D Sys
MEP-02-60040	PCB(Zone C) - Pre-Commissioning P&D Sys
MEP-02-60050	PCB(Zone C) - Commissioning P&D Sys
MEP-02-60060	PCB(Zone D) - Pre-Commissioning P&D Sys
MEP-02-60070	PCB(Zone D) - Commissioning P&D Sys
MEP-02-60080	PCB(Zone E) - Pre-Commissioning P&D Sys
MEP-02-60090	PCB(Zone E) - Commissioning P&D Sys
MEP-02-60100	PCB(Zone F) - Pre-Commissioning P&D Sys
MEP-02-60110	PCB(Zone F) - Commissioning P&D Sys
MEP-02-60120	PCB(Zone G) - Pre-Commissioning P&D Sys
MEP-02-60130	PCB(Zone G) - Commissioning P&D Sys
MEP-02-60160	PCB(Zone J) - Pre-Commissioning P&D Sys
MEP-02-60170	PCB(Zone J) - Commissioning P&D Sys
P&D Central plant (Pumps, tanks & controls)	
MEP-02-60002	PCB(BF) - T&C Pumps & assoc ind water balance
MEP-02-60004	PCB(BF) - Final Commissioning P&D Sys
Electrical	
MEP-02-70000	PCB(Zone A) - Commissioning Electrical Sys (with temp power)
MEP-02-70005	PCB(Zone A) - Final Commissioning Electrial systems (Non FS)
MEP-02-70020	PCB(Zone C) - Commissioning Electrical Sys (with temp power)
MEP-02-70025	PCB(Zone C) - Final Commissioning Electrial systems (Non FS)
MEP-02-70030	PCB(Zone D) - Commissioning Electrical Sys (with temp power)
MEP-02-70035	PCB(Zone D) - Final Commissioning Electrial systems (Non FS)
MEP-02-70040	PCB(Zone E) - Commissioning Electrical Sys (with temp power)
MEP-02-70045	PCB(Zone E) - Final Commissioning Electrial systems (Non FS)
MEP-02-70050	PCB(Zone F) - Commissioning Electrical Sys (with temp power)
MEP-02-70055	PCB(Zone F) - Final Commissioning Electrial systems (Non FS)
MEP-02-70060	PCB(Zone G) - Commissioning Electrical Sys (with temp power)
MEP-02-70065	PCB(Zone G) - Final Commissioning Electrial systems (Non FS)
MEP-02-70080	PCB(Zone J) - Commissioning Electrical Sys (with temp power)
MEP-02-70085	PCB(Zone J) - Final Commissioning Electrial systems (Non FS)
MEP-02-70086	PCB - Integrated Commissioning Electrical Sys (with temp power)
MEP-02-70087	PCB - Integrated Final Commissioning Electrial systems (Non FS)
MEP-02-70088	PCB(ALL) - Systemwide T&C FSD related Electrial systems on Perm Pwr
MEP-02-70089	PCB(ALL) - Systemwide T&C nonFSD related Electrical systems
Lifts & Escalators Comm	
MEP-02-70224	PCB (All) E&M: Liftshaft 6 : Temp Power for intial T&C
MEP-02-70234	PCB (All) E&M: Liftshaft 6 : Initial T&C (On Temp Power)
MEP-02-70244	PCB (All) E&M: Liftshaft 6 :Latest Date for Perm Power
MEP-02-70254	PCB (All) E&M: Liftshaft 6 :Final T&C
MEP-02-70284	PCB (All) E&M: Liftshaft 7 : Temp Power for intial T&C
MEP-02-70294	PCB (All) E&M: Liftshaft 7 : Initial T&C (On Temp Power)
MEP-02-70304	PCB (All) E&M: Liftshaft 7 :Latest Date for Perm Power
MEP-02-70314	PCB (All) E&M: Liftshaft 7 :Final T&C
MEP-02-70354	PCB (All) E&M: Liftshaft 3 : Temp Power for intial T&C
MEP-02-70364	PCB (All) E&M: Liftshaft 3 : Initial T&C (On Temp Power)
MEP-02-70374	PCB (All) E&M: Liftshaft 3 :Latest Date for Perm Power
MEP-02-70384	PCB (All) E&M: Liftshaft 3 :Final T&C
MEP-02-70414	PCB (All) E&M: Liftshaft 4 : Temp Power for intial T&C
MEP-02-70424	PCB (All) E&M: Liftshaft 4 : Initial T&C (On Temp Power)
MEP-02-70434	PCB (All) E&M: Liftshaft 4 :Latest Date for Perm Power
MEP-02-70444	PCB (All) E&M: Liftshaft 4 :Final T&C
MEP-02-70474	PCB (All) E&M: Liftshaft 5 : Temp Power for intial T&C
MEP-02-70484	PCB (All) E&M: Liftshaft 5 : Initial T&C (On Temp Power)
MEP-02-70494	PCB (All) E&M: Liftshaft 5 :Latest Date for Perm Power
MEP-02-70504	PCB (All) E&M: Liftshaft 5 :Final T&C
MEP-02-70534	PCB (All) E&M: Liftshaft 1 : Temp Power for intial T&C
MEP-02-70544	PCB (All) E&M: Liftshaft 1 : Initial T&C (On Temp Power)
MEP-02-70554	PCB (All) E&M: Liftshaft 1 :Latest Date for Perm Power
MEP-02-70564	PCB (All) E&M: Liftshaft 1 :Final T&C
MEP-02-70594	PCB (All) E&M: Liftshaft 2 : Temp Power for intial T&C
MEP-02-70604	PCB (All) E&M: Liftshaft 2 : Initial T&C (On Temp Power)
MEP-02-70614	PCB (All) E&M: Liftshaft 2 :Latest Date for Perm Power
MEP-02-70624	PCB (All) E&M: Liftshaft 2 :Final T&C
MEP-02-70654	EVC - Liftshaft 9 : Temp Power for initial T&C
MEP-02-70664	EVC - Liftshaft 9 : Initial T&C (On Temp Power)
MEP-02-70674	EVC - Liftshaft 9 :Latest Date for Perm Power
MEP-02-70684	EVC - Liftshaft 9 :Final T&C
MEP-02-70714	WVC - Liftshaft 8 : Temp Power for Initial T&C



Actual Work

Remaining Work

Critical Remaining Work

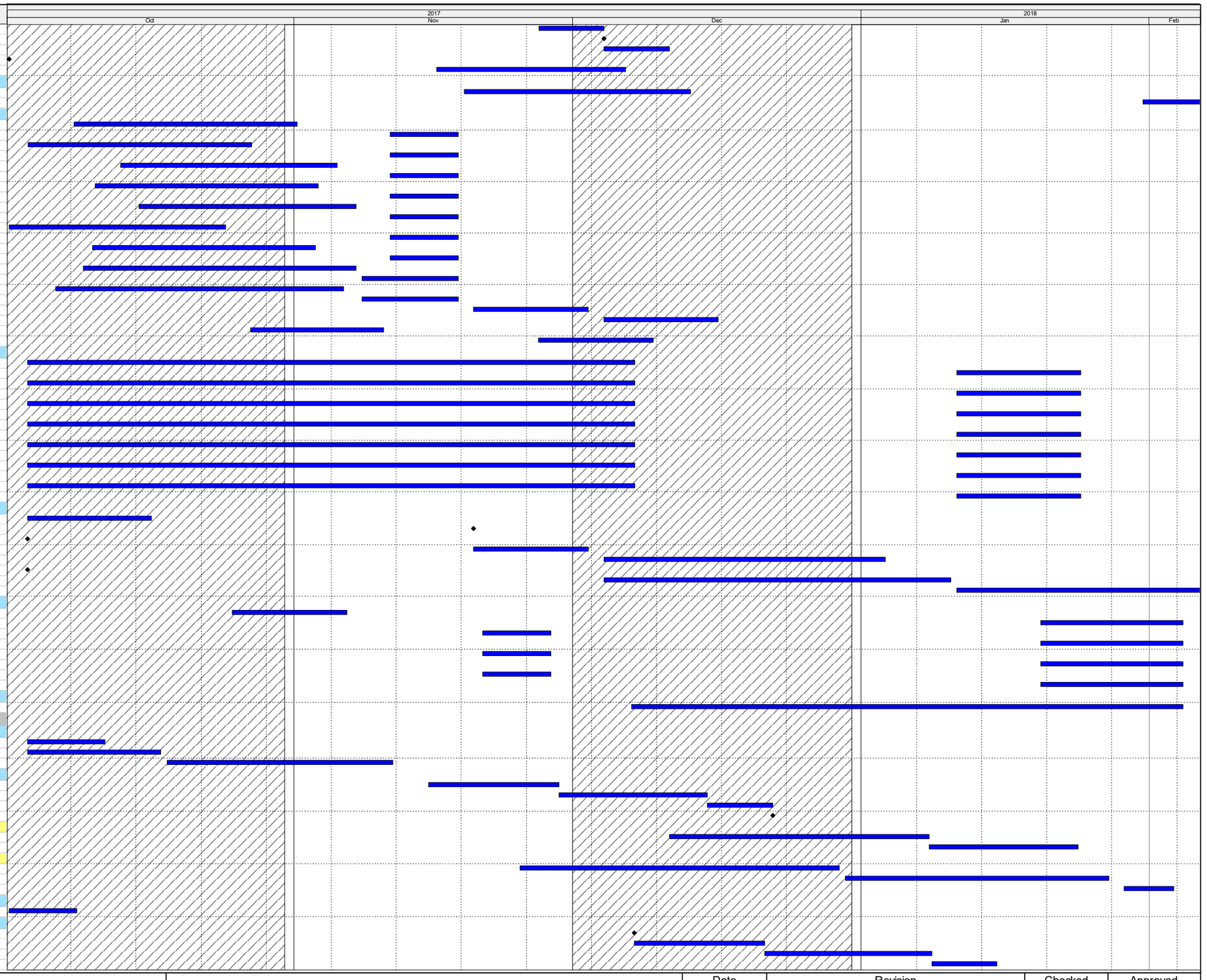
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
MEP-02-70724	WVC - Liftshaft 8 : Initial T&C (On Temp Power)
MEP-02-70734	WVC - Liftshaft 8 :Latest Date for Perm Power
MEP-02-70744	WVC - Liftshaft 8 :Final T&C
MEP-02-8400	PCB - Perm Power On (Lifts)
MEP-02-8417	PCB - T&C Escalator
Generator Sets Comm	
MEP-02-10380	PCB - Genset Full Test - PCB FS Genset
MEP-02-70994	PCB - Genset Full Test - PCB Non FS Genset
Fire Services Related systems - T&C (FS,MVAC,Smoke Cntrl, Misc)	
MEP-02-60360	PCB(Zone A) - Initial Commissioning Fire Services related (using Temp Power)
MEP-02-60370	PCB(Zone A) - Final Commissioning Fire Services related sysetems (perm power)
MEP-02-60400	PCB(Zone C) - Initial Commissioning Fire Services related (using Temp Power)
MEP-02-60410	PCB(Zone C) - Final Commissioning Fire Services related sysetems (perm power)
MEP-02-60420	PCB(Zone D) - Initial Commissioning Fire Services related (using Temp Power)
MEP-02-60430	PCB(Zone D) - Final Commissioning Fire Services related sysetems (perm power)
MEP-02-60440	PCB(Zone E) - Initial Commissioning Fire Services related (using Temp Power)
MEP-02-60450	PCB(Zone E) - Final Commissioning Fire Services related sysetems (perm power)
MEP-02-60460	PCB(Zone F) - Initial Commissioning Fire Services related (using Temp Power)
MEP-02-60470	PCB(Zone F) - Final Commissioning Fire Services related sysetems (perm power)
MEP-02-60480	PCB(Zone G) - Initial Commissioning Fire Services related (using Temp Power)
MEP-02-60490	PCB(Zone G) - Final Commissioning Fire Services related sysetems (perm power)
MEP-02-60520	PCB(Zone J) - Initial Commissioning Fire Services related (using Temp Power)
MEP-02-60530	PCB(Zone J) - Final Commissioning Fire Services related sysetems (perm power)
MEP-02-60560	PCB FS Pump Rm : Initial TC FS "Wet" Sys (with temp power)
MEP-02-60570	PCB FS Final T&C FS "Wet" System (With Perm Power)
MEP-02-60571	PCB FS Dry System (AFA) Intial T&C (with temp power)
MEP-02-60572	PCB FS Dry system (AFA) Final T&C (with Perm power)
MEP-02-60602	PCB(All) - FS Interface Test with other BS System (EAS, shutter,lifts etc)
MEP-02-60612	PCB(All) - Smoke control T&C Interfacing
MEP-02-70754	PCB(All) - FS & Smoke control : Hot smoke test trial run
MEP-02-70764	PCB(All) - MVAC : FS VAC Control T&C (no initial with temp power, perm power)
MVAC : Final T&C All MVAC Systems (Excluding FS Related Scope)	
MEP-02-60180	PCB (Zone A) - Progressive Initial T&C (Temp pwr)
MEP-02-60190	PCB (Zone A) - Final T&C including SCADA (Perm pwr)
MEP-02-60220	PCB (Zone C) - Progressive Initial T&C (Temp pwr)
MEP-02-60230	PCB (Zone C) - Final T&C including SCADA (Perm pwr)
MEP-02-60240	PCB (Zone D) - Progressive Initial T&C (Temp pwr)
MEP-02-60250	PCB (Zone D) - Final T&C including SCADA (Perm pwr)
MEP-02-60260	PCB (Zone E) - Progressive Initial T&C (Temp pwr)
MEP-02-60270	PCB (Zone E) - Final T&C including SCADA (Perm pwr)
MEP-02-60280	PCB (Zone F) - Progressive Initial T&C (Temp pwr)
MEP-02-60290	PCB (Zone F) - Final T&C including SCADA (Perm pwr)
MEP-02-60300	PCB (Zone G) - Progressive Initial T&C (Temp pwr)
MEP-02-60310	PCB (Zone G) - Final T&C including SCADA (Perm pwr)
MEP-02-60340	PCB (Zone J) - Progressive Initial T&C (Temp pwr)
MEP-02-60350	PCB (Zone J) - Final T&C including SCADA (Perm pwr)
MVAC : Waterside Chilled + HTG Water	
MEP-02-70904	PCB (BF) - CHW pipework flush & chem clean
MEP-02-70914	PCB (BF) - Seawater supply to Chiller available
MEP-02-70934	PCB (BF) - Perm Power to Chiller available
MEP-02-70944	PCB (BF) - Initial Chiller/Pump precomm check & start-up
MEP-02-70954	PCB (BF) - Chilled water system balancing
MEP-02-70964	PCB (BF) - CHW water for air cond available
MEP-02-70974	PCB (BF) - Chiller & pumps : Final commissioning including SCADA control
MEP-02-70984	PCB (BF) - Final System fine tuning with SCADA
Water Feature	
MEP-02-60006	PCB(BF) - Pre-Commissioning water feature Sys
MEP-02-60008	PCB(BF) - Commissioning water feature Sys
MEP-02-60012	PCB(North) - Pre-Commissioning water feature Sys
MEP-02-60014	PCB(North) - Commissioning water feature Sys
MEP-02-60016	PCB(MIddle) - Pre-Commissioning water feature Sys
MEP-02-60018	PCB(Middle) - Commissioning water feature Sys
MEP-02-60022	PCB(South) - Pre-Commissioning water feature Sys
MEP-02-60024	PCB(South) - Commissioning water feature Sys
SCADA	
MEP-02-60540	PDB(SCADA) - Software Testing and Commissioning with Systems
Statutory Submissions & Inspections	
Power - Tx Rms CLP Inspection to Meter Rdy	
MEP-02-70804	PCB(BF) - Final Subcircuit T&C power on (Essential)
MEP-02-70814	PCB(BF) - Progressive power on from LVSB(Normal) to Submains
MEP-02-70824	PCB(BF) - Final subcircuit T&C/power on (normal)
Lifts & Escalators Form Submission	
MEP-02-8420	PCB - Form LE5 Submission & Notification period Lifts (7 nos)
MEP-02-8430	PCB - EMSD Inspection Lift
MEP-02-8440	PCB - Fireman Lift Certificate (Use Permit Cap. 618)
MEP-02-8450	PCB - Ready for FSD Inspection
Non Fire Lift	
MEP-02-70139	PCB - Form LE5 Submission & Notification period Lifts (2 nos)
MEP-02-70149	PCB - EMSD Inspection Lift (Non FS)
Escalator	
MEP-02-8452	PCB - Form LE5 Submission & Notification period Escalator
MEP-02-8454	PCB - EMSD Inspection escalator
MEP-02-8456	PCB - Certificate (Use Permit Cap. 618)
Plumbing - WWO 46 Part I & II	
MEP-02-10301	PCB(P&D) - Submit WWO 46 Part 1 and 2 to WSD (By P/D S/C to WSD) Ready Install
Plumbing - WWO 46 Part IV	
MEP-02-10326	PCB(P&D) - Submit WWO 46 Part 4 to WSD (By P/D S/C to WSD)
MEP-02-10327	PCB(P&D) - Notification Period
MEP-02-10328	PCB(P&D) - WSD's Inspection and water sampling
MEP-02-10329	PCB(P&D) - Water Supply connected



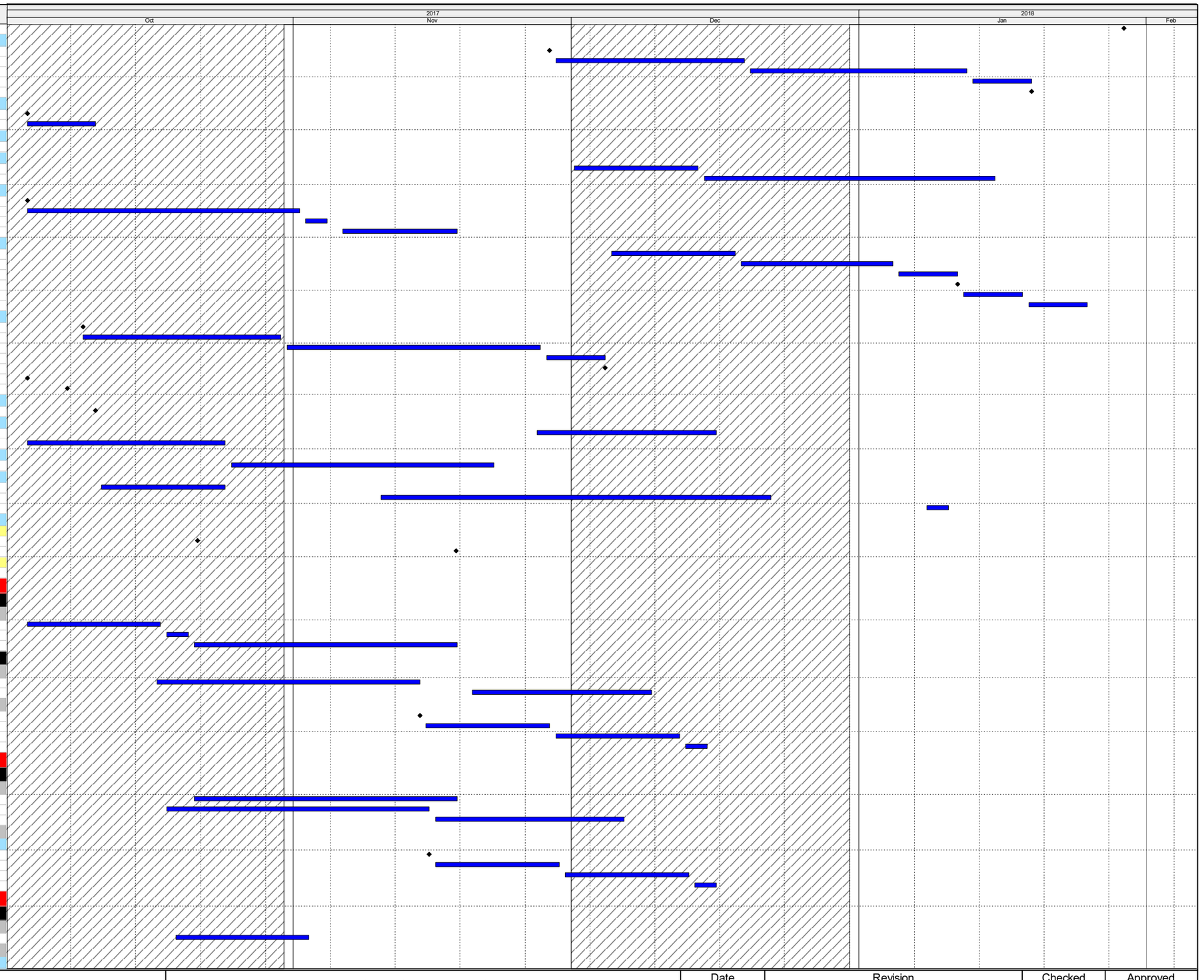
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
MEP-02-10330	PCB(P&D) - Issue Water Certificate
Water Feature - WWO 46 Part IV	
MEP-02-10276	PCB(Wtr) - Submit WWO 46 Part 4 to WSD (By P/D S/C to WSD) Wtrf
MEP-02-10277	PCB(Wtr) - Notification Period Wtrf
MEP-02-10278	PCB(Wtr) - WSD's Inspection and water sampling Wtrf
MEP-02-10279	PCB(Wtr) - Water Supply connected Wtrf
MEP-02-10282	PCB(Wtr) - Ready for T&C Water Feature
MVAC Design	
MEP-02-28000	PCB - Dgn Dwg Ready for Submission
MEP-02-28010	PCB - Submit Plan to FSD
Beam Plus	
MEP-02-10237	Beam Plus - Monitoring and Reports
IAQ Certification	
MEP-02-10250	PCB - IAQ Test
MEP-02-10260	PCB - IAQ Submission and approval
Generator Sets - DG Licence	
MEP-02-10350	PCB - Genset Ready for DG Inspection - PCB
MEP-02-10352	PCB - Notify FSD for DG Inspection - PCB
MEP-02-10354	PCB - FSD(Vent)/FS Inspection - PCB
MEP-02-10356	PCB - DG Licence Issued - PCB
Drainage Connection	
MEP-02-10140	Application: Request Inspection (By Underground Drainage S/C & Builder to DSD
MEP-02-10150	Last manhole connection
MEP-02-10160	Notification by DSD for handover inspection
MEP-02-10170	DSD Inspection
MEP-02-10180	Submit As Built record to DSD
MEP-02-10190	DSD Issue Completion Advice
FS Connections and Comm - WWO 46 Part IV	
MEP-02-10070	PCB(FS) - Submit Form WWO 46 Part 4 for Fire Services Water(by FS S/C to WSD)
MEP-02-10075	PCB(FS) - Notification Period
MEP-02-10076	PCB(FS) - WSD Inspection and water sampling
MEP-02-10080	PCB(FS) - Fire Services water supply connected
MEP-02-10082	PCB(FS) - Issue Water Certificate FS
MEP-02-10083	PCB(FS) - Power On for FS Control System
MEP-02-10084	PCB(FS) - C3 portion FS water main complete and ready
FS Submissions	
MEP-02-10096	PCB - Submission of Form 501 (FS) (by FS S/C and AP)
FS Pre-test & Rehersals	
MEP-02-10095	PCB - FSD Dress Rehearsal prior to FSD & T&C for OP Inspection
MEP-02-70194	PCB - FSD Pre-test & rehearsals (early inspection)
OPTION : FSD Early Pre-Inspections (Subject to FSD Agreement)	
MEP-02-10095g	PCB - FSD "early" pre-inspection (Scope to be discussed with FSD)
FSD Final Inspections	
MEP-02-10099	PCB - FSD Notification Period
MEP-02-10210	PCB - FSD Inspection Period incl Hot Smoke test
MEP-02-10220	PCB - Issue of Fire Certificate
OP Process by TPIDC/AP/RSE	
Detail OP Process	
MEP-02-19820	PCB - Completion of works for KD-13 (Stage 4 DOC 1 upto R/F, DOC 2 BOH)
MEP-02-19830	PCB - Completion of works for KD-14 (Stage 5 DOC 3 BOH)
Access for Interface Contractors	
MEP-02-19791	PCB - Interface Contractors carry out works
Generator Set Building	
Dangerous Good License	
Generator Set Bldg - DG Licence	
MEP-07-10360	GSB - Notify FSD for DG Inspection - Genset Bdg
MEP-07-10362	GSB - FSD(Vent)/FS Inspection - Genset Bdg
MEP-07-10364	GSB - DG Licence Issued - Genset Bdg
TESTING AND COMMISSIONING	
Commissioning	
MEP-07-1008	GSB - Generator Set Building Commissioning (Perm power)
MEP-07-1010	GSB - Genset Full Test - Genset Bldg - 2 Nos prior to FSD Inspec
Statutory Submissions & Inspections	
MEP-07-10374	PCB - Submission of Form 314 & 501 (FS) (by FS S/C and AP) (GEN)
MEP-07-10384	PCB - Notification Period (GEN)
MEP-07-10394	PCB - FSD Inspection Period (GEN)
MEP-07-10404	PCB - Issue of Fire Certificate (GEN)
Seawater Pump House	
TESTING AND COMMISSIONING	
Commissioning	
MEP-13A-1202	SWP - Commissioning Works for Seawater Pump/network
MEP-13A-1203	SWP - Commissioning Works (FS,MVAC & BS Rdy for FSD Inspection)
MEP-13A-1250	SWP - Commissioning Works (Balance non FS related)
Statutory Submissions & Inspections	
FSD Inspections	
MEP-13A-1260	PCB - Submission of Form 314 & 501 (FS) (by FS S/C and AP) (SWP)
MEP-13A-1270	PCB - Notification Period (SWP)
MEP-13A-1280	PCB - FSD Inspection Period (SWP)
MEP-13A-1290	PCB - Issue of Fire Certificate (SWP)
Refuse Collection Point - Refuse Storage and Material Recovery Cha	
TESTING AND COMMISSIONING	
Commissioning	
PCB-06-1112	RCP - T&C, Final Inspection
Statutory Submissions & Inspections	
FSD Inspections	



Actual Work

Remaining Work

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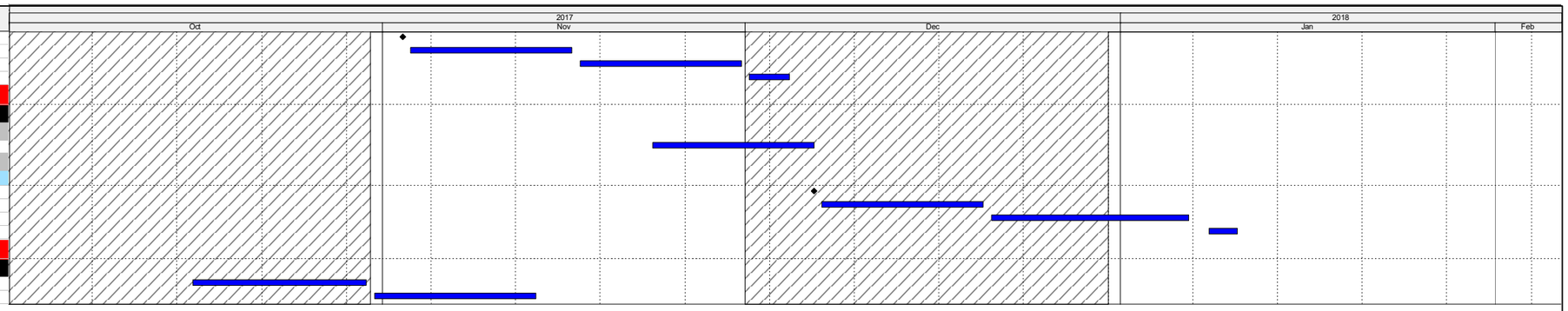
Three Month Rolling Programme

HKMZB HKBCF - Passenger Clearance Building

Date	Revision	Checked	Approved

Activity ID	Activity Name
MEP-06-1300	PCB - Submission of Form 314 & 501 (FS) (by FS S/C and AP) (RCP)
MEP-06-1310	PCB - Notification Period (RCP)
MEP-06-1320	PCB - FSD Inspection Period (RCP)
MEP-06-1330	PCB - Issue of Fire Certificate (RCP)
Public Toilets at South PTI	
TESTING AND COMMISSIONING	
Commissioning	
PCB-04-160	PT - T&C, Final Inspection
Statutory Submissions & Inspections	
FSD Inspections	
MEP-04-1340	PCB - Submission of Form 314 & 501 (FS) (by FS S/C and AP) (PT)
MEP-04-1350	PCB - Notification Period (PT)
MEP-04-1360	PCB - FSD Inspection Period (PT)
MEP-04-1370	PCB - Issue of Fire Certificate (PT)
Common Utilities Enclosure	
Heat Exchanger Room - Commissioning	
MEP-9A-1050	HER E&M : Commissioning (Temp power)
MEP-9A-1060	HER E&M : Final Commissioning (Perm Power)



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HKMZB HKBCF - Passenger Clearance Building

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APPENDIX D

Monitoring Data and Graphical Plot
(Air Quality, Noise and water Quality)

Air Quality Monitoring Data

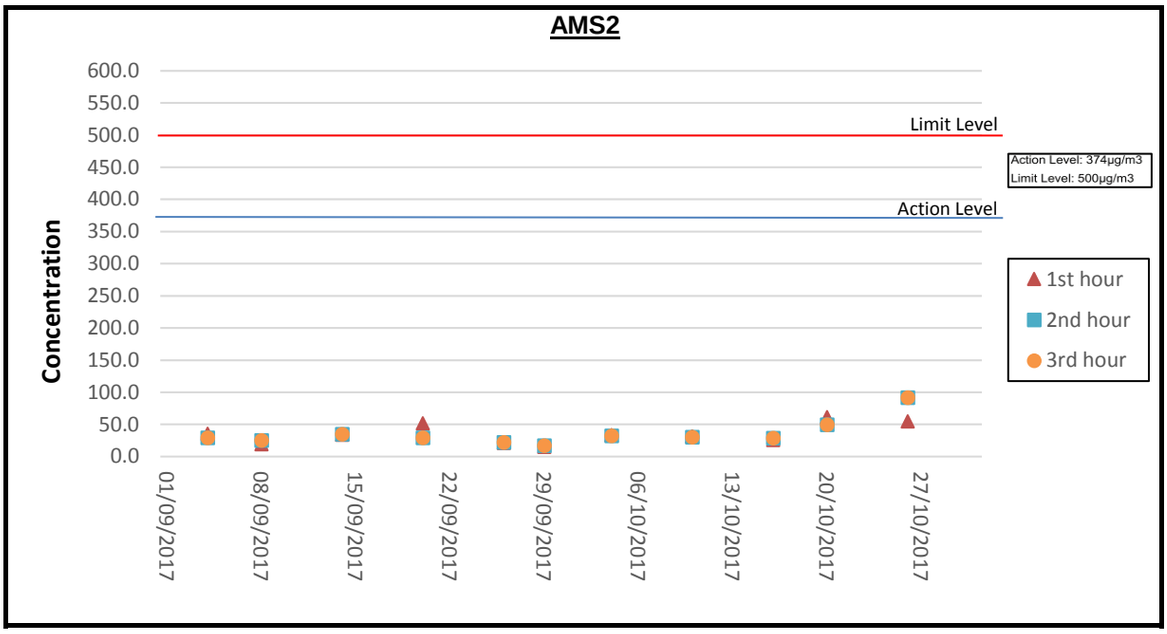
Project	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKBCF	2017-10-04	AMS2 Tung Chung Pier	8:34	1-hr TSP	33	$\mu g/m^3$
HKBCF	2017-10-04	AMS2 Tung Chung Pier	9:34	1-hr TSP	33	$\mu g/m^3$
HKBCF	2017-10-04	AMS2 Tung Chung Pier	10:34	1-hr TSP	33	$\mu g/m^3$
HKBCF	2017-10-10	AMS2 Tung Chung Pier	12:55	1-hr TSP	32	$\mu g/m^3$
HKBCF	2017-10-10	AMS2 Tung Chung Pier	13:55	1-hr TSP	30	$\mu g/m^3$
HKBCF	2017-10-10	AMS2 Tung Chung Pier	14:55	1-hr TSP	38	$\mu g/m^3$
HKBCF	2017-10-16	AMS2 Tung Chung Pier	12:55	1-hr TSP	26	$\mu g/m^3$
HKBCF	2017-10-16	AMS2 Tung Chung Pier	13:55	1-hr TSP	29	$\mu g/m^3$
HKBCF	2017-10-16	AMS2 Tung Chung Pier	14:55	1-hr TSP	34	$\mu g/m^3$
HKBCF	2017-10-20	AMS2 Tung Chung Pier	12:55	1-hr TSP	61	$\mu g/m^3$
HKBCF	2017-10-20	AMS2 Tung Chung Pier	13:55	1-hr TSP	50	$\mu g/m^3$
HKBCF	2017-10-20	AMS2 Tung Chung Pier	14:55	1-hr TSP	45	$\mu g/m^3$
HKBCF	2017-10-26	AMS2 Tung Chung Pier	12:55	1-hr TSP	55	$\mu g/m^3$
HKBCF	2017-10-26	AMS2 Tung Chung Pier	13:55	1-hr TSP	92	$\mu g/m^3$
HKBCF	2017-10-26	AMS2 Tung Chung Pier	14:55	1-hr TSP	86	$\mu g/m^3$
HKBCF	2017-10-03	AMS2 Tung Chung Pier	9:15	24-hr TSP	27	$\mu g/m^3$
HKBCF	2017-10-09	AMS2 Tung Chung Pier	9:00	24-hr TSP	59	$\mu g/m^3$
HKBCF	2017-10-13	AMS2 Tung Chung Pier	8:00	24-hr TSP	97	$\mu g/m^3$
HKBCF	2017-10-19	AMS2 Tung Chung Pier	8:00	24-hr TSP	69	$\mu g/m^3$
HKBCF	2017-10-25	AMS2 Tung Chung Pier	8:00	24-hr TSP	93	$\mu g/m^3$
HKBCF	2017-10-31	AMS2 Tung Chung Pier	8:00	24-hr TSP	107	$\mu g/m^3$

Air Quality Monitoring Data

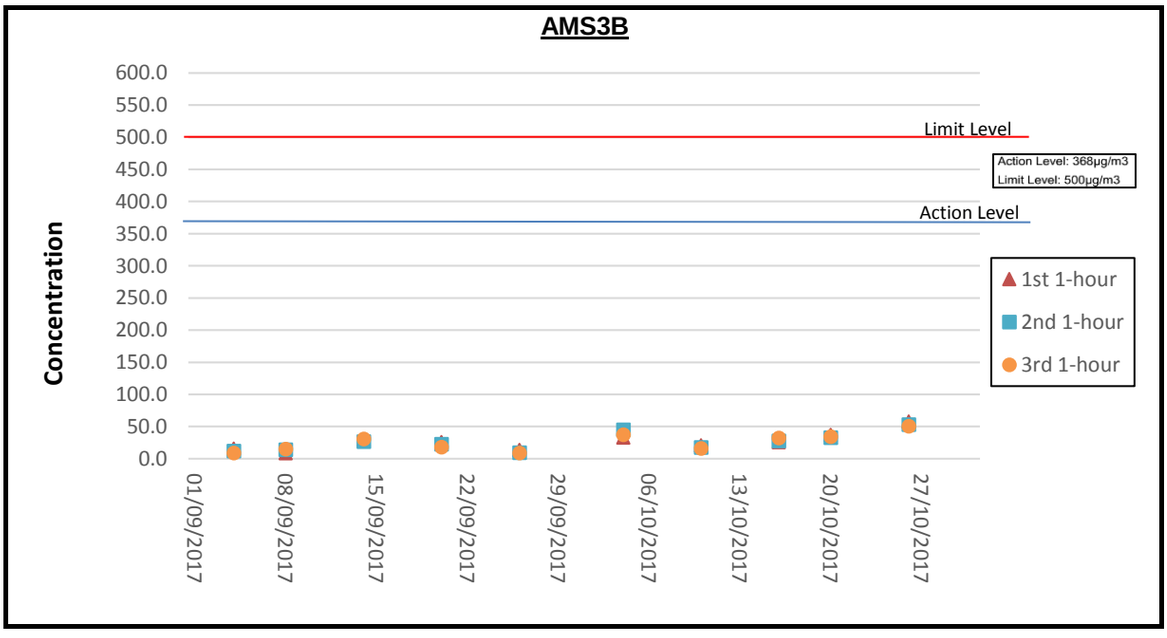
Project	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKBCF	2017-10-04	AMS3B Site Office	09:00	1-hr TSP	33	$\mu g/m^3$
HKBCF	2017-10-04	AMS3B Site Office	10:00	1-hr TSP	45	$\mu g/m^3$
HKBCF	2017-10-04	AMS3B Site Office	11:00	1-hr TSP	38	$\mu g/m^3$
HKBCF	2017-10-10	AMS3B Site Office	09:00	1-hr TSP	20	$\mu g/m^3$
HKBCF	2017-10-10	AMS3B Site Office	10:00	1-hr TSP	18	$\mu g/m^3$
HKBCF	2017-10-10	AMS3B Site Office	11:00	1-hr TSP	16	$\mu g/m^3$
HKBCF	2017-10-16	AMS3B Site Office	08:50	1-hr TSP	26	$\mu g/m^3$
HKBCF	2017-10-16	AMS3B Site Office	09:50	1-hr TSP	28	$\mu g/m^3$
HKBCF	2017-10-16	AMS3B Site Office	10:50	1-hr TSP	32	$\mu g/m^3$
HKBCF	2017-10-20	AMS3B Site Office	09:00	1-hr TSP	37	$\mu g/m^3$
HKBCF	2017-10-20	AMS3B Site Office	10:00	1-hr TSP	33	$\mu g/m^3$
HKBCF	2017-10-20	AMS3B Site Office	11:00	1-hr TSP	34	$\mu g/m^3$
HKBCF	2017-10-26	AMS3B Site Office	09:00	1-hr TSP	58	$\mu g/m^3$
HKBCF	2017-10-26	AMS3B Site Office	10:00	1-hr TSP	53	$\mu g/m^3$
HKBCF	2017-10-26	AMS3B Site Office	11:00	1-hr TSP	51	$\mu g/m^3$
HKBCF	2017-10-03	AMS3B Site Office	08:00	24-hr TSP	36	$\mu g/m^3$
HKBCF	2017-10-09	AMS3B Site Office	08:00	24-hr TSP	79	$\mu g/m^3$
HKBCF	2017-10-13	AMS3B Site Office	08:00	24-hr TSP	93	$\mu g/m^3$
HKBCF	2017-10-19	AMS3B Site Office	08:00	24-hr TSP	57	$\mu g/m^3$
HKBCF	2017-10-25	AMS3B Site Office	08:00	24-hr TSP	91	$\mu g/m^3$
HKBCF	2017-10-31	AMS3B Site Office	08:00	24-hr TSP	119	$\mu g/m^3$

Air Quality Monitoring Data

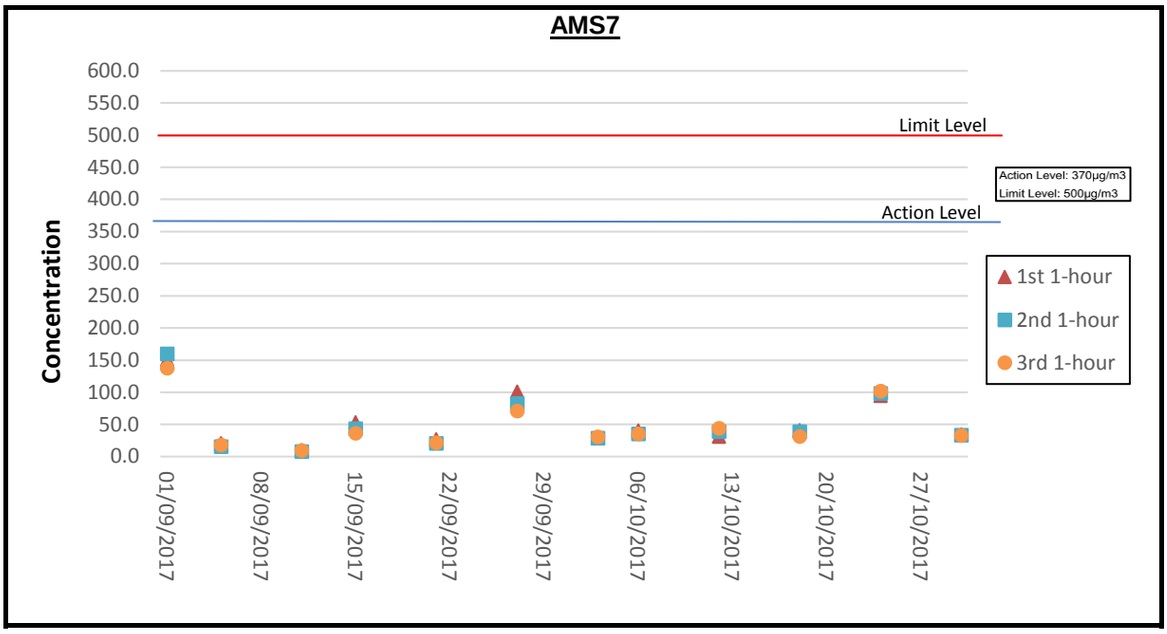
Project	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKBCF	2017-10-03	AMS7 HK SkyCity Marriott Hotel	12:50	1-hr TSP	29	$\mu g/m^3$
HKBCF	2017-10-03	AMS7 HK SkyCity Marriott Hotel	13:50	1-hr TSP	29	$\mu g/m^3$
HKBCF	2017-10-03	AMS7 HK SkyCity Marriott Hotel	14:50	1-hr TSP	31	$\mu g/m^3$
HKBCF	2017-10-06	AMS7 HK SkyCity Marriott Hotel	09:00	1-hr TSP	40	$\mu g/m^3$
HKBCF	2017-10-06	AMS7 HK SkyCity Marriott Hotel	10:00	1-hr TSP	36	$\mu g/m^3$
HKBCF	2017-10-06	AMS7 HK SkyCity Marriott Hotel	11:00	1-hr TSP	36	$\mu g/m^3$
HKBCF	2017-10-12	AMS7 HK SkyCity Marriott Hotel	14:00	1-hr TSP	31	$\mu g/m^3$
HKBCF	2017-10-12	AMS7 HK SkyCity Marriott Hotel	15:00	1-hr TSP	39	$\mu g/m^3$
HKBCF	2017-10-12	AMS7 HK SkyCity Marriott Hotel	16:00	1-hr TSP	44	$\mu g/m^3$
HKBCF	2017-10-18	AMS7 HK SkyCity Marriott Hotel	14:00	1-hr TSP	41	$\mu g/m^3$
HKBCF	2017-10-18	AMS7 HK SkyCity Marriott Hotel	15:00	1-hr TSP	39	$\mu g/m^3$
HKBCF	2017-10-18	AMS7 HK SkyCity Marriott Hotel	16:00	1-hr TSP	32	$\mu g/m^3$
HKBCF	2017-10-24	AMS7 HK SkyCity Marriott Hotel	14:38	1-hr TSP	94	$\mu g/m^3$
HKBCF	2017-10-24	AMS7 HK SkyCity Marriott Hotel	15:38	1-hr TSP	98	$\mu g/m^3$
HKBCF	2017-10-24	AMS7 HK SkyCity Marriott Hotel	16:38	1-hr TSP	102	$\mu g/m^3$
HKBCF	2017-10-30	AMS7 HK SkyCity Marriott Hotel	14:00	1-hr TSP	35	$\mu g/m^3$
HKBCF	2017-10-30	AMS7 HK SkyCity Marriott Hotel	15:00	1-hr TSP	33	$\mu g/m^3$
HKBCF	2017-10-30	AMS7 HK SkyCity Marriott Hotel	16:00	1-hr TSP	33	$\mu g/m^3$
HKBCF	2017-10-06	AMS7 HK SkyCity Marriott Hotel	12:37	24-hr TSP	78	$\mu g/m^3$
HKBCF	2017-10-11	AMS7 HK SkyCity Marriott Hotel	08:00	24-hr TSP	103	$\mu g/m^3$
HKBCF	2017-10-17	AMS7 HK SkyCity Marriott Hotel	13:57	24-hr TSP	42	$\mu g/m^3$
HKBCF	2017-10-23	AMS7 HK SkyCity Marriott Hotel	08:00	24-hr TSP	111	$\mu g/m^3$
HKBCF	2017-10-27	AMS7 HK SkyCity Marriott Hotel	08:00	24-hr TSP	120	$\mu g/m^3$



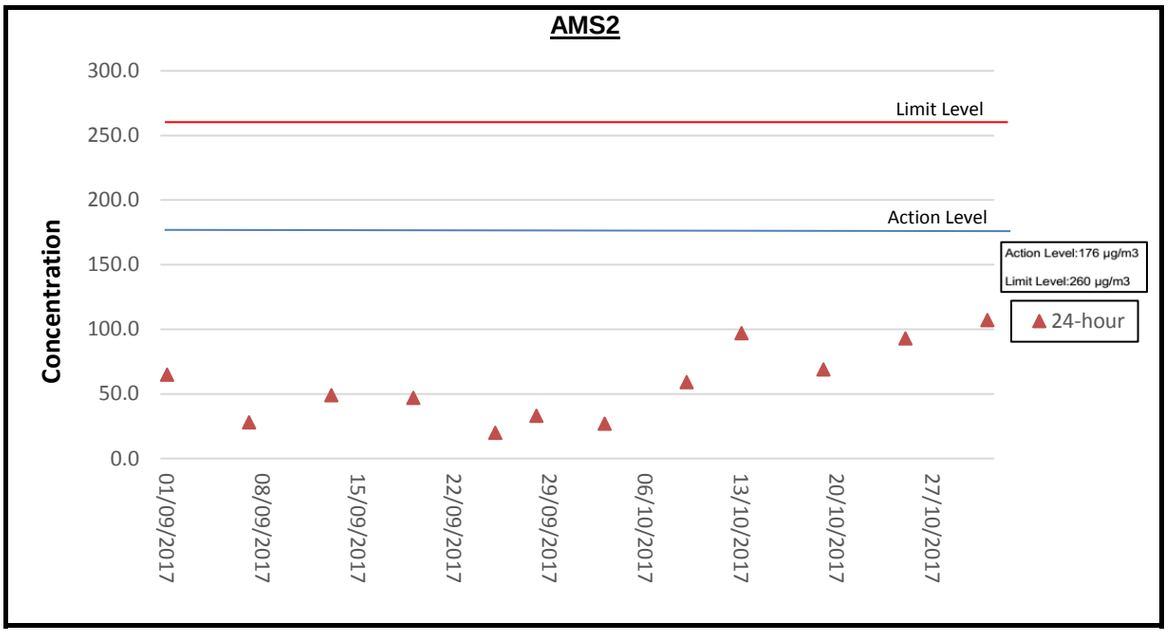
Remark: The air quality monitoring before 1 September 2017 are conducted by Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works. Please refer the monitoring results from July 2017 to August 2017 in the published Monthly EM&A Report for Contract No. HY/2010/02.



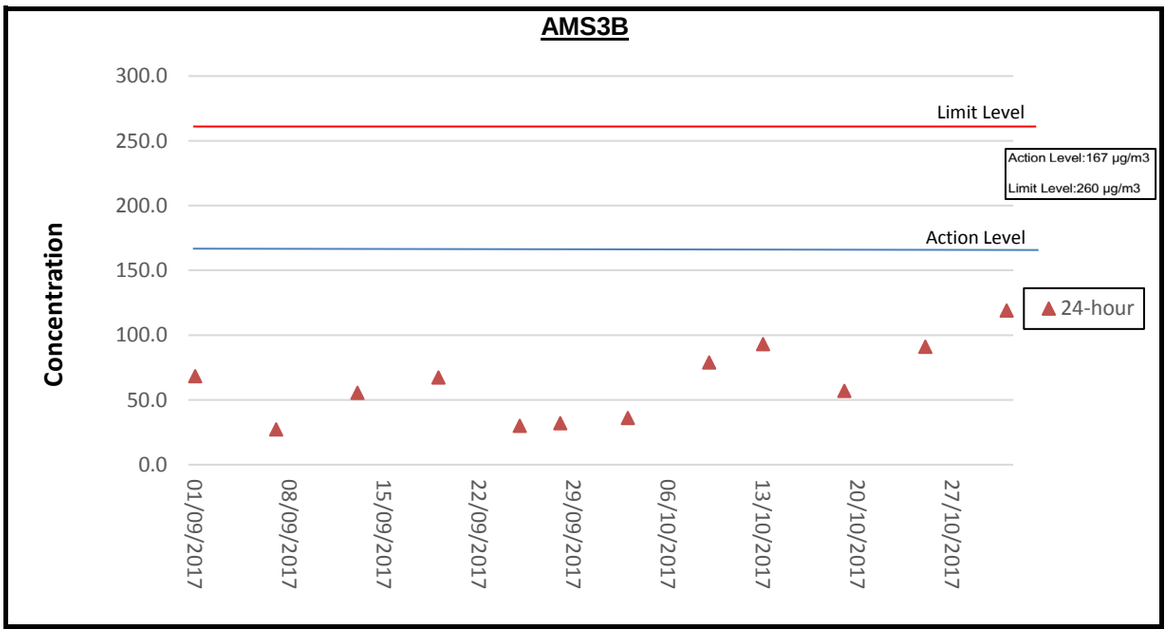
Remark: The air quality monitoring before 1 September 2017 are conducted by Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works. Please refer the monitoring results from July 2017 to August 2017 in the published Monthly EM&A Report for Contract No. HY/2010/02.



Remark: The air quality monitoring before 1 September 2017 are conducted by Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works. Please refer the monitoring results from July 2017 to August 2017 in the published Monthly EM&A Report for Contract No. HY/2010/02.



Remark: The air quality monitoring before 1 September 2017 are conducted by Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works. Please refer the monitoring results from July 2017 to August 2017 in the published Monthly EM&A Report for Contract No. HY/2010/02.



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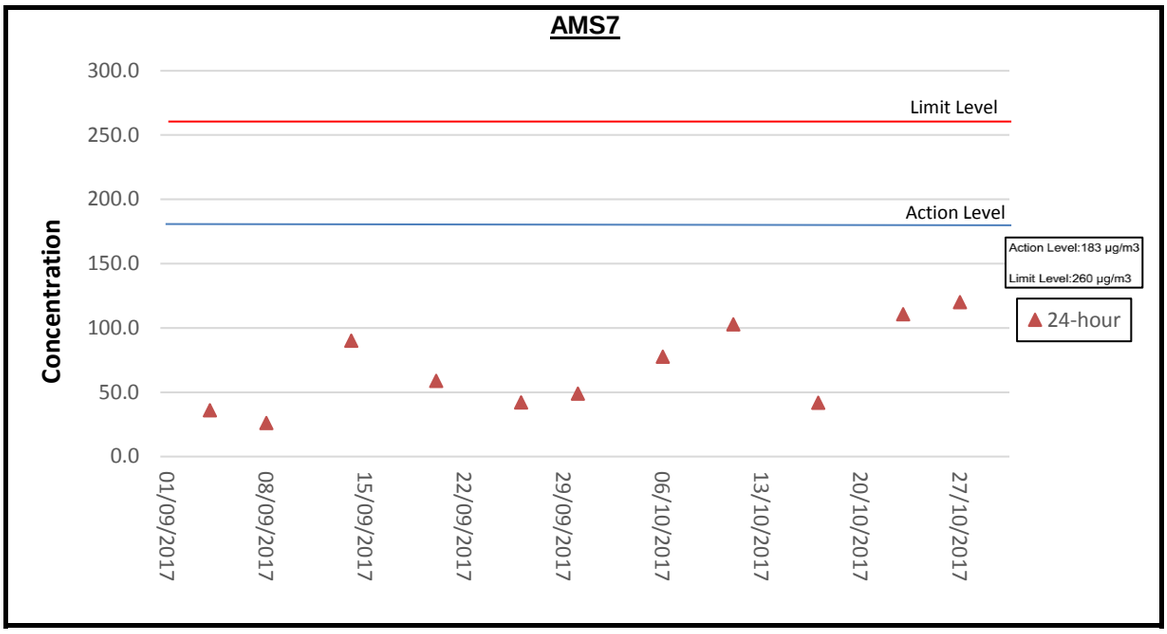

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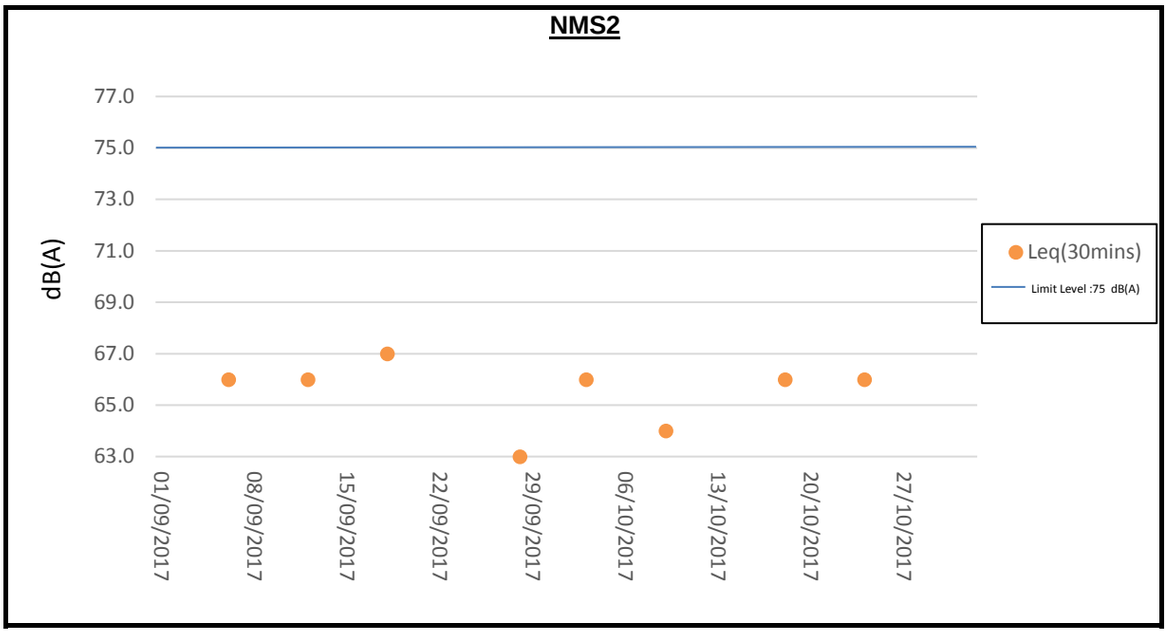
Noise Monitoring Data

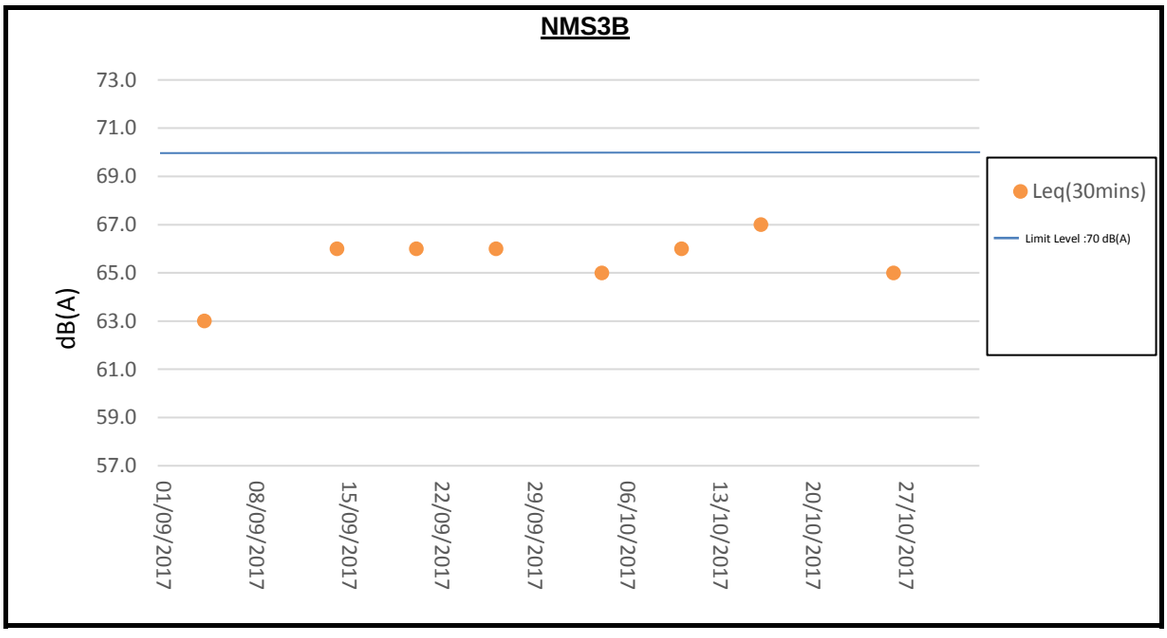
Project	Date (yyyy-mm-dd)	Station	Weather Condition	Time	Noise Level for 30 min, dB(A)*			Wind Speed, m/s	Façade/Free Field	Remark
					Leq	L10	L90			
HKBCF	2017-10-03	NMS2	Sunny	14:48	66	69	61	<5	Façade	
HKBCF	2017-10-04	NMS3B	Sunny	9:49	65	68	61	<5	Free-field*	
HKBCF	2017-10-09	NMS2	Fine	14:42	64	67	60	<5	Façade	
HKBCF	2017-10-10	NMS3B	Sunny	9:14	66	69	61	<5	Free-field*	
HKBCF	2017-10-16	NMS3B	Cloudy	9:51	67	70	61	<5	Free-field*	
HKBCF	2017-10-18	NMS2	Cloudy	14:44	66	69	59	<5	Façade	
HKBCF	2017-10-24	NMS2	Sunny	14:45	66	68	61	<5	Façade	
HKBCF	2017-10-26	NMS3B	Suny	9:56	65	69	59	<5	Free-field*	
HKBCF	2017-10-30	NMS2	Sunny	14:41	65	68	61	<5	Façade	

Remarks

*A correction of +3dB(A) was made to the free-field measurment.



Remark: The noise monitoring before 1 September 2017 are conducted by Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works. Please refer the monitoring results from July 2017 to August 2017 in the published Monthly EM&A Report for Contract No. HY/2010/02.



Remark: The noise monitoring before 1 September 2017 are conducted by Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works. Please refer the monitoring results from July 2017 to August 2017 in the published Monthly EM&A Report for Contract No. HY/2010/02.

Project	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
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10A(N)	9:06:00	1.0	Surface	1	1	29.50	8.00	26.30	81.6	5.40	3.7	5.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10A(N)	9:06:00	1.0	Surface	1	2	29.20	8.00	26.60	80.7	5.30	2.9	4.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10A(N)	9:06:00	8.5	Middle	2	1	29.30	7.90	28.20	71.4	4.70	6.1	5.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10A(N)	9:06:00	8.5	Middle	2	2	29.10	8.00	28.50	71.1	4.70	5.3	6.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10A(N)	9:06:00	15.9	Bottom	3	1	29.30	7.90	28.50	70.1	4.60	6.8	6.0	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10A(N)	9:06:00	15.9	Bottom	3	2	29.00	8.00	28.80	70.1	4.60	5.6	5.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10B(N2)	9:14:00	1.0	Surface	1	1	29.50	8.00	26.60	81.2	5.40	4.8	3.7	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10B(N2)	9:14:00	1.0	Surface	1	2	29.20	8.00	26.90	80.8	5.30	4.1	4.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10B(N2)	9:14:00	4.3	Middle	2	1	29.50	8.00	26.50	81.2	5.40	4.5	6.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10B(N2)	9:14:00	4.3	Middle	2	2	29.20	8.00	26.80	80.7	5.30	4.1	6.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10B(N2)	9:14:00	7.6	Bottom	3	1	29.40	7.90	27.00	77.8	5.10	6.2	9.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR10B(N2)	9:14:00	7.6	Bottom	3	2	29.20	8.00	27.30	77.5	5.10	5.6	8.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CSA	9:23:00	1.0	Surface	1	1	29.80	7.90	24.10	93.5	6.20	2.8	7.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CSA	9:23:00	1.0	Surface	1	2	29.50	7.90	23.80	92.2	6.20	2.5	7.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CSA	9:23:00	16.3	Middle	2	1	29.40	7.90	28.90	70.1	4.60	5.5	6.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CSA	9:23:00	16.3	Middle	2	2	29.20	7.90	28.40	68.1	4.50	5.1	6.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CSA	9:23:00	31.5	Bottom	3	1	29.30	7.80	29.50	66.4	4.30	11.1	7.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CSA	9:23:00	31.5	Bottom	3	2	29.00	7.80	28.80	64.3	4.20	10.4	8.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS6	9:37:00	1.0	Surface	1	1	29.90	7.90	23.40	98.7	6.60	2.5	5.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS6	9:37:00	1.0	Surface	1	2	29.60	7.90	23.20	96.1	6.40	2.4	5.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS6	9:37:00	5.2	Middle	2	1	29.90	7.90	24.20	90.4	6.00	2.6	5.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS6	9:37:00	5.2	Middle	2	2	29.60	7.90	24.00	88.6	5.90	2.5	5.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS6	9:37:00	9.4	Bottom	3	1	29.60	7.90	27.50	79.6	5.20	5.8	8.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS6	9:37:00	9.4	Bottom	3	2	29.40	7.90	27.20	76.5	5.00	5.2	9.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS4	10:50:00	1.0	Surface	1	1	30.50	7.90	20.70	95.8	6.40	2.6	4.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS4	10:50:00	1.0	Surface	1	2	30.20	7.90	20.60	94.2	6.30	2.4	3.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS4	10:50:00	9.4	Middle	2	1	30.00	7.90	26.40	79.3	5.20	5.7	5.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS4	10:50:00	9.4	Middle	2	2	29.70	7.90	26.20	77.3	5.10	5.1	5.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS4	10:50:00	17.7	Bottom	3	1	29.60	7.90	28.40	70.7	4.60	18.2	5.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS4	10:50:00	17.7	Bottom	3	2	29.30	7.90	28.20	67.9	4.50	17.8	4.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR6	11:25:00	1.0	Surface	1	1	29.80	7.90	22.40	83.7	5.60	8.4	9.0	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR6	11:25:00	1.0	Surface	1	2	29.60	7.90	22.20	81.3	5.50	6.8	9.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR6	11:25:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR6	11:25:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR6	11:25:00	3.7	Bottom	3	1	29.70	7.90	24.90	81.1	5.40	12.9	8.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR6	11:25:00	3.7	Bottom	3	2	29.50	7.90	24.90	78.1	5.20	12.2	8.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)3(N)	11:04:00	1.0	Surface	1	1	30.10	7.90	20.90	87.4	5.90	4.6	4.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)3(N)	11:04:00	1.0	Surface	1	2	29.80	7.90	20.90	85.5	5.80	4.4	3.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)3(N)	11:04:00	3.4	Middle	2	1	29.90	7.90	24.00	78.7	5.20	7.0	4.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)3(N)	11:04:00	3.4	Middle	2	2	29.60	7.90	23.80	75.9	5.10	6.3	3.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)3(N)	11:04:00	5.8	Bottom	3	1	29.80	7.90	24.70	79.4	5.30	9.0	3.0	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)3(N)	11:04:00	5.8	Bottom	3	2	29.50	7.90	24.50	76.1	5.10	8.3	3.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR5(N)	10:27:00	1.0	Surface	1	1	30.20	7.90	21.50	92.2	6.20	3.5	4.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR5(N)	10:27:00	1.0	Surface	1	2	30.00	7.90	21.40	90.0	6.10	3.0	5.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR5(N)	10:27:00	4.5	Middle	2	1	29.90	7.90	22.70	85.3	5.70	6.3	5.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR5(N)	10:27:00	4.5	Middle	2	2	29.60	7.90	22.60	83.1	5.60	5.8	4.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR5(N)	10:27:00	8.0	Bottom	3	1	29.80	7.90	25.20	79.5	5.30	11.4	5.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR5(N)	10:27:00	8.0	Bottom	3	2	29.50	7.90	25.00	76.3	5.10	10.1	4.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS10(N)	10:19:00	1.0	Surface	1	1	30.20	7.90	21.50	97.2	6.50	3.7	5.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS10(N)	10:19:00	1.0	Surface	1	2	29.90	7.90	21.40	95.4	6.40	3.1	6.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS10(N)	10:19:00	6.3	Middle	2	1	29.90	8.00	23.90	84.0	5.60	19.8	4.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS10(N)	10:19:00	6.3	Middle	2	2	29.60	8.00	23.70	82.1	5.50	17.9	6.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS10(N)	10:19:00	11.6	Bottom	3	1	29.70	7.90	26.10	78.3	5.20	21.3	5.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS10(N)	10:19:00	11.6	Bottom	3	2	29.50	7.90	25.90	74.9	5.00	19.4	5.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	1.0	Surface	1	1	30.00	7.90	21.90	93.6	6.30	3.2	4.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	1.0	Surface	1	2	29.80	7.90	21.80	91.5	6.20	3.3	3.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	5.7	Middle	2	1	29.90	8.00	23.30	87.0	5.80	7.9	5.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	5.7	Middle	2	2	29.60	8.00	23.20	84.9	5.70	7.3	4.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	10.4	Bottom	3	1	29.80	7.90	25.50	79.5	5.30	11.6	8.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	10.4	Bottom	3	2	29.50	7.90	25.40	76.7	5.10	10.6	9.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)5	9:53:00	1.0	Surface	1	1	29.90	8.00	23.40	89.7	6.00	3.7	7.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)5	9:53:00	1.0	Surface	1	2	29.60	8.00	23.70	88.2	5.90	2.8	6.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)5	9:53:00	6.2	Middle	2	1	29.60	8.00	26.60	76.9	5.10	3.9	6.4	

Project	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
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)5	9:53:00	6.2	Middle	2	2	29.30	8.00	27.00	76.4	5.00	3.5	7.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)5	9:53:00	11.4	Bottom	3	1	29.40	7.90	28.70	67.5	4.40	10.8	6.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	CS(Mf)5	9:53:00	11.4	Bottom	3	2	29.10	8.00	29.00	67.8	4.40	10.0	6.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR7	10:01:00	1.0	Surface	1	1	29.90	7.90	22.00	97.6	6.60	2.6	4.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR7	10:01:00	1.0	Surface	1	2	29.70	7.90	21.90	94.4	6.40	2.9	5.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR7	10:01:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR7	10:01:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR7	10:01:00	3.3	Bottom	3	1	29.80	7.90	23.20	97.2	6.50	4.4	7.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR7	10:01:00	3.3	Bottom	3	2	29.50	7.90	23.10	94.0	6.30	4.0	8.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS17	10:21:00	1.0	Surface	1	1	30.00	8.00	23.20	98.4	6.60	5.1	5.7	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS17	10:21:00	1.0	Surface	1	2	29.70	8.10	23.40	97.5	6.50	4.6	4.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS17	10:21:00	5.8	Middle	2	1	29.70	8.00	25.10	80.9	5.40	8.9	8.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS17	10:21:00	5.8	Middle	2	2	29.50	8.00	25.40	80.2	5.30	8.7	7.0	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS17	10:21:00	10.5	Bottom	3	1	29.60	7.90	26.80	73.0	4.80	8.8	8.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS17	10:21:00	10.5	Bottom	3	2	29.30	8.00	27.10	73.0	4.80	8.1	7.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)16	10:30:00	1.0	Surface	1	1	30.10	8.20	23.40	127.0	8.40	5.6	8.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)16	10:30:00	1.0	Surface	1	2	29.80	8.30	23.60	125.4	8.40	4.7	9.0	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)16	10:30:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)16	10:30:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)16	10:30:00	4.2	Bottom	3	1	29.60	7.90	26.70	75.3	5.00	5.0	10.7	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)16	10:30:00	4.2	Bottom	3	2	29.30	8.00	27.00	75.1	5.00	4.1	9.7	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS8	11:02:00	1.0	Surface	1	1	30.00	8.20	23.20	124.8	8.30	6.1	8.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS8	11:02:00	1.0	Surface	1	2	29.70	8.20	23.50	123.2	8.20	5.3	7.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS8	11:02:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS8	11:02:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS8	11:02:00	2.9	Bottom	3	1	29.90	8.10	23.80	103.4	6.90	12.5	13.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS8	11:02:00	2.9	Bottom	3	2	29.60	8.10	24.10	103.0	6.90	11.4	13.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR4(N)	10:55:00	1.0	Surface	1	1	30.00	8.00	22.40	95.1	6.40	6.3	5.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR4(N)	10:55:00	1.0	Surface	1	2	29.80	8.00	22.60	94.9	6.40	5.2	5.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR4(N)	10:55:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR4(N)	10:55:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR4(N)	10:55:00	2.4	Bottom	3	1	30.00	8.00	22.80	92.9	6.20	13.6	9.8	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR4(N)	10:55:00	2.4	Bottom	3	2	29.70	8.00	23.10	92.7	6.20	13.8	8.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)9	11:13:00	1.0	Surface	1	1	30.10	8.30	23.00	142.0	9.40	4.7	6.7	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)9	11:13:00	1.0	Surface	1	2	29.80	8.30	23.30	141.6	9.50	4.0	6.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)9	11:13:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)9	11:13:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)9	11:13:00	2.4	Bottom	3	1	29.90	8.10	23.40	127.8	8.50	5.5	5.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)9	11:13:00	2.4	Bottom	3	2	29.70	8.30	23.60	125.3	8.40	4.6	6.0	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS7	11:25:00	1.0	Surface	1	1	30.20	8.20	23.00	133.2	8.90	4.9	3.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS7	11:25:00	1.0	Surface	1	2	29.90	8.30	23.30	131.9	8.80	4.1	2.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS7	11:25:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS7	11:25:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS7	11:25:00	2.1	Bottom	3	1	30.00	8.20	23.20	123.3	8.20	4.9	5.6	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS7	11:25:00	2.1	Bottom	3	2	29.70	8.20	23.50	123.2	8.20	4.2	6.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)6	11:34:00	1.0	Surface	1	1	30.40	8.20	23.30	132.5	8.80	6.8	6.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)6	11:34:00	1.0	Surface	1	2	30.10	8.30	23.50	132.6	8.80	6.0	7.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)6	11:34:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)6	11:34:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)6	11:34:00	2.1	Bottom	3	1	30.00	8.20	23.40	125.7	8.40	8.1	14.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS(Mf)6	11:34:00	2.1	Bottom	3	2	29.70	8.20	23.70	124.6	8.30	8.2	16.0	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS5	11:44:00	1.0	Surface	1	1	29.90	8.10	22.60	108.9	7.30	6.1	8.4	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS5	11:44:00	1.0	Surface	1	2	29.60	8.10	22.80	108.2	7.30	5.3	8.2	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS5	11:44:00	3.7	Middle	2	1	29.90	8.10	22.90	103.3	6.90	7.2	8.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS5	11:44:00	3.7	Middle	2	2	29.60	8.10	23.20	102.4	6.90	6.3	9.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS5	11:44:00	6.3	Bottom	3	1	29.70	8.00	24.30	89.3	5.90	8.5	13.5	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	IS5	11:44:00	6.3	Bottom	3	2	29.50	8.10	24.60	89.5	6.00	8.2	13.9	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR3(N)	11:54:00	1.0	Surface	1	1	30.30	8.10	22.40	120.9	8.00	5.5	5.1	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR3(N)	11:54:00	1.0	Surface	1	2	30.00	8.20	22.70	120.9	8.10	5.1	6.7	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR3(N)	11:54:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR3(N)	11:54:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR3(N)	11:54:00	3.1	Bottom	3	1	30.20	8.10	22.50	120.6	8.00	6.1	8.3	
HKBCF	2017-10-02	Mid-Ebb	Cloudy	SR3(N)	11:54:00	3.1	Bottom	3	2	29.90	8.20	22.80	120.4	8.00	6.4	9.2	

Project	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
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10A(N)	18:37:00	1.0	Surface	1	1	29.70	7.90	26.30	79.6	5.20	4.3	7.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10A(N)	18:37:00	1.0	Surface	1	2	29.40	8.00	26.50	78.9	5.20	3.6	7.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10A(N)	18:37:00	8.4	Middle	2	1	29.60	7.90	27.30	72.8	4.80	7.8	9.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10A(N)	18:37:00	8.4	Middle	2	2	29.30	8.00	27.60	72.6	4.80	7.2	8.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10A(N)	18:37:00	15.8	Bottom	3	1	29.40	7.90	28.30	68.5	4.50	11.8	14.0	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10A(N)	18:37:00	15.8	Bottom	3	2	29.10	7.90	28.60	69.2	4.50	10.9	12.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10B(N2)	18:31:00	1.0	Surface	1	1	29.60	7.90	28.30	72.7	4.70	8.7	13.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10B(N2)	18:31:00	1.0	Surface	1	2	29.30	8.00	28.60	72.1	4.70	8.5	12.6	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10B(N2)	18:31:00	4.4	Middle	2	1	29.50	7.90	28.80	70.0	4.60	13.5	17.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10B(N2)	18:31:00	4.4	Middle	2	2	29.30	8.00	29.10	69.9	4.60	11.4	18.6	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10B(N2)	18:31:00	7.7	Bottom	3	1	29.50	7.90	28.90	70.0	4.60	13.3	19.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR10B(N2)	18:31:00	7.7	Bottom	3	2	29.20	8.00	29.20	70.1	4.60	12.2	18.0	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CSA	18:03:00	1.0	Surface	1	1	29.90	7.90	26.10	89.8	5.90	3.8	6.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CSA	18:03:00	1.0	Surface	1	2	29.70	7.90	26.00	87.7	5.80	3.8	5.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CSA	18:03:00	15.7	Middle	2	1	29.50	7.90	28.10	74.6	4.90	8.4	5.6	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CSA	18:03:00	15.7	Middle	2	2	29.30	7.90	27.80	72.6	4.80	7.5	5.2	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CSA	18:03:00	30.4	Bottom	3	1	29.50	7.90	28.50	70.0	4.60	11.2	4.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CSA	18:03:00	30.4	Bottom	3	2	29.20	7.90	28.30	67.5	4.40	10.8	5.2	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS6	17:52:00	1.0	Surface	1	1	30.70	8.00	23.30	103.1	6.80	3.9	3.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS6	17:52:00	1.0	Surface	1	2	30.50	8.00	23.40	103.1	6.80	3.2	4.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS6	17:52:00	5.1	Middle	2	1	29.70	7.90	26.50	78.0	5.10	10.6	4.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS6	17:52:00	5.1	Middle	2	2	29.50	7.90	26.40	75.3	5.00	9.7	4.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS6	17:52:00	9.2	Bottom	3	1	29.70	7.90	26.50	78.5	5.20	19.8	4.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS6	17:52:00	9.2	Bottom	3	2	29.40	7.90	26.60	75.2	5.00	18.5	4.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS4	16:35:00	1.0	Surface	1	1	30.70	7.90	20.80	92.7	6.20	5.4	3.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS4	16:35:00	1.0	Surface	1	2	30.50	7.80	20.70	90.7	6.10	4.7	2.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS4	16:35:00	9.3	Middle	2	1	30.00	7.90	24.70	81.0	5.30	14.8	5.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS4	16:35:00	9.3	Middle	2	2	29.80	7.90	24.50	78.5	5.20	13.1	5.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS4	16:35:00	17.5	Bottom	3	1	29.80	7.90	27.40	71.5	4.70	32.8	7.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS4	16:35:00	17.5	Bottom	3	2	29.50	7.90	27.20	68.8	4.50	33.0	8.0	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR6	15:59:00	1.0	Surface	1	1	30.70	7.80	19.40	81.0	5.40	7.4	5.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR6	15:59:00	1.0	Surface	1	2	30.40	7.80	19.70	78.5	5.30	7.7	4.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR6	15:59:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR6	15:59:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR6	15:59:00	3.5	Bottom	3	1	30.10	7.80	22.90	76.4	5.10	12.5	6.0	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR6	15:59:00	3.5	Bottom	3	2	29.80	7.80	22.90	73.4	4.90	11.5	6.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)3(N)	16:20:00	1.0	Surface	1	1	30.90	7.70	16.10	83.5	5.70	4.9	4.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)3(N)	16:20:00	1.0	Surface	1	2	30.70	7.70	15.70	80.8	5.50	4.1	3.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)3(N)	16:20:00	3.5	Middle	2	1	30.40	7.80	19.80	84.3	5.70	5.1	4.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)3(N)	16:20:00	3.5	Middle	2	2	30.10	7.80	19.90	82.0	5.50	4.8	4.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)3(N)	16:20:00	5.9	Bottom	3	1	30.30	7.80	21.10	81.7	5.50	5.5	5.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)3(N)	16:20:00	5.9	Bottom	3	2	30.00	7.80	21.20	78.7	5.30	5.3	4.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR5(N)	17:02:00	1.0	Surface	1	1	30.70	8.00	20.60	107.7	7.20	3.0	2.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR5(N)	17:02:00	1.0	Surface	1	2	30.50	7.90	20.60	104.4	7.00	2.6	2.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR5(N)	17:02:00	4.7	Middle	2	1	30.50	8.00	22.10	108.9	7.20	4.4	5.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR5(N)	17:02:00	4.7	Middle	2	2	30.20	8.00	22.10	107.2	7.20	3.9	6.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR5(N)	17:02:00	8.3	Bottom	3	1	30.00	7.90	24.70	86.0	5.70	14.1	5.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR5(N)	17:02:00	8.3	Bottom	3	2	29.70	7.90	24.90	83.4	5.50	13.2	6.0	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS10(N)	17:10:00	1.0	Surface	1	1	30.40	8.10	23.00	108.7	7.20	10.1	11.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS10(N)	17:10:00	1.0	Surface	1	2	30.10	8.00	22.90	107.6	7.20	9.0	11.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS10(N)	17:10:00	6.3	Middle	2	1	29.80	7.90	25.70	83.3	5.50	27.3	15.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS10(N)	17:10:00	6.3	Middle	2	2	29.60	7.90	25.60	80.6	5.30	24.0	14.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS10(N)	17:10:00	11.5	Bottom	3	1	29.80	7.90	25.80	82.6	5.40	36.9	20.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS10(N)	17:10:00	11.5	Bottom	3	2	29.60	7.90	25.60	79.7	5.30	33.4	21.0	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)11	17:19:00	1.0	Surface	1	1	30.40	8.00	22.80	106.9	7.10	9.9	11.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)11	17:19:00	1.0	Surface	1	2	30.10	8.00	22.30	104.4	7.00	8.2	10.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)11	17:19:00	5.7	Middle	2	1	29.90	7.90	25.30	87.4	5.80	21.5	10.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)11	17:19:00	5.7	Middle	2	2	29.60	7.90	25.20	84.8	5.60	21.0	10.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)11	17:19:00	10.3	Bottom	3	1	29.80	7.90	25.70	83.2	5.50	38.9	24.2	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)11	17:19:00	10.3	Bottom	3	2	29.50	7.90	25.50	80.3	5.30	32.3	23.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)5	17:56:00	1.0	Surface	1	1	29.90	8.00	25.00	90.1	6.00	3.2	6.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)5	17:56:00	1.0	Surface	1	2	29.60	8.00	25.30	88.8	5.90	2.9	6.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)5	17:56:00	6.3	Middle	2	1	29.50	7.90	27.70	72.3	4.70	8.8	8.4	

Project	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
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)5	17:56:00	6.3	Middle	2	2	29.30	8.00	28.00	72.2	4.70	8.3	7.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)5	17:56:00	11.5	Bottom	3	1	29.40	7.90	28.10	70.1	4.60	12.1	8.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	CS(Mf)5	17:56:00	11.5	Bottom	3	2	29.20	7.90	28.40	71.1	4.70	11.2	7.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR7	17:29:00	1.0	Surface	1	1	30.50	8.00	22.10	101.1	6.70	5.5	6.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR7	17:29:00	1.0	Surface	1	2	30.30	8.00	22.00	99.1	6.60	5.0	5.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR7	17:29:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR7	17:29:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR7	17:29:00	3.5	Bottom	3	1	30.10	7.90	24.80	89.1	5.90	12.2	8.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR7	17:29:00	3.5	Bottom	3	2	29.80	7.90	24.60	85.6	5.70	10.6	7.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS17	17:32:00	1.0	Surface	1	1	30.20	8.00	22.40	108.9	7.30	3.4	7.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS17	17:32:00	1.0	Surface	1	2	29.90	8.10	22.60	110.5	7.40	2.7	7.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS17	17:32:00	5.8	Middle	2	1	30.10	8.00	23.60	97.4	6.50	4.2	7.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS17	17:32:00	5.8	Middle	2	2	29.80	8.00	23.90	96.9	6.50	3.6	8.6	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS17	17:32:00	10.6	Bottom	3	1	29.80	7.90	25.70	84.9	5.60	9.0	7.6	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS17	17:32:00	10.6	Bottom	3	2	29.50	8.00	26.00	83.8	5.50	8.3	6.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)16	17:22:00	1.0	Surface	1	1	30.50	8.20	22.20	132.6	8.80	3.3	7.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)16	17:22:00	1.0	Surface	1	2	30.20	8.20	22.50	131.5	8.80	3.2	7.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)16	17:22:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)16	17:22:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)16	17:22:00	4.3	Bottom	3	1	30.10	8.00	23.70	104.2	6.90	8.6	11.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)16	17:22:00	4.3	Bottom	3	2	29.80	8.10	23.90	104.4	6.90	7.9	12.2	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS8	16:52:00	1.0	Surface	1	1	30.50	8.10	22.50	129.2	8.60	7.0	13.6	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS8	16:52:00	1.0	Surface	1	2	30.20	8.20	22.80	128.8	8.60	6.8	13.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS8	16:52:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS8	16:52:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS8	16:52:00	2.3	Bottom	3	1	30.30	8.10	23.50	113.3	7.50	12.9	15.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS8	16:52:00	2.3	Bottom	3	2	30.00	8.10	23.80	113.2	7.50	12.2	16.2	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR4(N)	17:02:00	1.0	Surface	1	1	30.60	8.10	22.70	117.8	7.80	11.7	13.2	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR4(N)	17:02:00	1.0	Surface	1	2	30.30	8.10	23.00	117.8	7.80	11.9	12.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR4(N)	17:02:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR4(N)	17:02:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR4(N)	17:02:00	2.5	Bottom	3	1	30.60	8.10	22.80	117.3	7.80	12.4	14.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR4(N)	17:02:00	2.5	Bottom	3	2	30.30	8.10	23.10	117.5	7.80	11.6	15.6	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)9	16:40:00	1.0	Surface	1	1	30.70	8.30	23.30	151.1	9.90	7.3	10.9	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)9	16:40:00	1.0	Surface	1	2	30.40	8.30	23.60	151.5	10.00	6.6	9.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)9	16:40:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)9	16:40:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)9	16:40:00	2.0	Bottom	3	1	30.30	8.20	24.10	127.1	8.40	13.0	15.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)9	16:40:00	2.0	Bottom	3	2	30.00	8.20	24.40	128.3	8.50	12.4	15.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS7	16:29:00		Surface	1	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS7	16:29:00		Surface	1	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS7	16:29:00	1.5	Middle	2	1	30.60	8.20	23.80	144.3	9.50	18.3	8.3	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS7	16:29:00	1.5	Middle	2	2	30.40	8.30	24.00	145.2	9.60	16.2	7.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS7	16:29:00		Bottom	3	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS7	16:29:00		Bottom	3	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)6	16:19:00		Surface	1	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)6	16:19:00		Surface	1	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)6	16:19:00	1.5	Middle	2	1	30.90	8.30	22.90	160.7	10.60	4.4	6.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)6	16:19:00	1.5	Middle	2	2	30.60	8.40	23.20	159.9	10.50	4.0	7.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)6	16:19:00		Bottom	3	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS(Mf)6	16:19:00		Bottom	3	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS5	16:12:00	1.0	Surface	1	1	30.60	8.20	23.10	138.9	9.20	6.5	8.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS5	16:12:00	1.0	Surface	1	2	30.30	8.20	23.40	137.6	9.10	5.8	9.1	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS5	16:12:00	3.7	Middle	2	1	30.40	8.10	23.50	124.9	8.30	8.5	8.0	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS5	16:12:00	3.7	Middle	2	2	30.10	8.20	23.70	124.3	8.20	7.9	9.8	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS5	16:12:00	6.4	Bottom	3	1	30.00	8.10	24.30	103.1	6.80	14.3	12.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	IS5	16:12:00	6.4	Bottom	3	2	29.70	8.10	24.50	103.9	6.90	13.6	11.7	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR3(N)	15:59:00	1.0	Surface	1	1	30.60	8.30	23.40	139.3	9.20	9.9	12.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR3(N)	15:59:00	1.0	Surface	1	2	30.30	8.30	23.70	139.7	9.20	9.4	12.4	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR3(N)	15:59:00		Middle	2	1								
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR3(N)	15:59:00		Middle	2	2								
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR3(N)	15:59:00	3.2	Bottom	3	1	30.50	8.20	23.50	136.0	9.00	9.5	11.5	
HKBCF	2017-10-02	Mid-Flood	Cloudy	SR3(N)	15:59:00	3.2	Bottom	3	2	30.20	8.30	23.70	135.9	9.00	9.2	11.1	

Project	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
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10A(N)	10:38:00	1.0	Surface	1	1	29.70	7.90	27.40	72.3	4.70	6.4	7.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10A(N)	10:38:00	1.0	Surface	1	2	29.50	8.00	27.70	71.8	4.70	5.3	8.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10A(N)	10:38:00	7.6	Middle	2	1	29.70	7.90	27.60	71.8	4.70	6.6	8.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10A(N)	10:38:00	7.6	Middle	2	2	29.40	8.00	27.90	71.0	4.70	6.1	9.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10A(N)	10:38:00	14.2	Bottom	3	1	29.60	7.90	27.80	71.0	4.60	8.3	11	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10A(N)	10:38:00	14.2	Bottom	3	2	29.40	7.90	28.10	70.2	4.60	7.8	12.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10B(N2)	10:47:00	1.0	Surface	1	1	29.70	7.90	27.30	73.6	4.80	6.8	6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10B(N2)	10:47:00	1.0	Surface	1	2	29.50	8.00	27.60	73.0	4.80	5.9	5.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10B(N2)	10:47:00	4.6	Middle	2	1	29.70	7.90	27.30	74.1	4.80	6.9	8.9	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10B(N2)	10:47:00	4.6	Middle	2	2	29.50	8.00	27.60	73.5	4.80	6.1	9.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10B(N2)	10:47:00	8.1	Bottom	3	1	29.70	7.90	27.40	74.3	4.90	7.6	10.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR10B(N2)	10:47:00	8.1	Bottom	3	2	29.50	8.00	27.60	74.1	4.90	6.7	9.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CSA	11:22:00	1.0	Surface	1	1	30.20	7.90	24.20	90.6	6.20	4.4	6.9	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CSA	11:22:00	1.0	Surface	1	2	30.00	7.90	23.90	97.1	6.40	4.5	6.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CSA	11:22:00	16.1	Middle	2	1	29.50	7.80	29.10	67.8	4.50	5.8	8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CSA	11:22:00	16.1	Middle	2	2	29.20	7.90	28.50	71.9	4.70	5.6	7.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CSA	11:22:00	31.2	Bottom	3	1	29.50	7.80	29.20	71.3	4.80	6.3	7.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CSA	11:22:00	31.2	Bottom	3	2	29.20	7.80	28.50	74.0	4.90	6.0	7.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS6	11:36:00	1.0	Surface	1	1	30.30	7.90	24.80	92.5	6.20	4.4	5.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS6	11:36:00	1.0	Surface	1	2	30.00	7.90	24.70	97.2	6.40	4.4	4.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS6	11:36:00	5.1	Middle	2	1	30.10	7.90	25.50	84.0	5.70	5.9	8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS6	11:36:00	5.1	Middle	2	2	29.90	7.90	25.40	88.8	5.90	5.4	6.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS6	11:36:00	9.1	Bottom	3	1	29.90	7.90	26.50	82.3	5.50	10.2	9.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS6	11:36:00	9.1	Bottom	3	2	29.60	7.90	26.40	82.8	5.50	10.5	8.3	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS4	12:45:00	1.0	Surface	1	1	30.30	7.90	21.90	85.3	5.90	3.7	5.3	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS4	12:45:00	1.0	Surface	1	2	30.10	7.90	22.00	91.6	6.10	3.7	4	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS4	12:45:00	9.4	Middle	2	1	30.10	7.90	24.10	77.6	5.30	8.5	7.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS4	12:45:00	9.4	Middle	2	2	29.80	7.90	24.20	83.3	5.50	8.3	6.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS4	12:45:00	17.7	Bottom	3	1	29.80	7.90	26.10	75.4	5.10	16.2	6.9	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS4	12:45:00	17.7	Bottom	3	2	29.60	7.90	26.40	79.4	5.20	15.9	6.4	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR6	13:17:00	1.0	Surface	1	1	30.20	7.90	24.10	86.0	5.80	12.6	9.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR6	13:17:00	1.0	Surface	1	2	29.90	7.90	23.50	91.6	6.10	12.2	9.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR6	13:17:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR6	13:17:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR6	13:17:00	3.6	Bottom	3	1	30.00	7.90	25.40	86.8	5.90	16.8	10.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR6	13:17:00	3.6	Bottom	3	2	29.80	8.00	25.70	91.6	6.00	16.0	9.9	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)3(N)	13:00:00	1.0	Surface	1	1	30.30	7.80	21.50	85.2	5.90	5.4	3.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)3(N)	13:00:00	1.0	Surface	1	2	30.10	7.90	21.60	91.4	6.10	5.3	4.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)3(N)	13:00:00	3.6	Middle	2	1	30.10	7.90	23.80	80.7	5.50	15.2	7.3	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)3(N)	13:00:00	3.6	Middle	2	2	29.90	7.90	24.10	85.6	5.70	15.0	6.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)3(N)	13:00:00	6.2	Bottom	3	1	30.10	7.90	24.90	82.2	5.60	18.5	8.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)3(N)	13:00:00	6.2	Bottom	3	2	29.80	7.90	25.30	86.7	5.70	18.7	8.4	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR5(N)	12:22:00	1.0	Surface	1	1	30.40	7.90	22.60	86.3	5.90	7.6	8.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR5(N)	12:22:00	1.0	Surface	1	2	30.10	7.90	22.60	92.4	6.20	7.5	9.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR5(N)	12:22:00	4.7	Middle	2	1	30.20	8.00	24.40	84.4	5.80	16.7	8.9	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR5(N)	12:22:00	4.7	Middle	2	2	29.90	8.00	24.40	90.1	6.00	16.9	10.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR5(N)	12:22:00	8.3	Bottom	3	1	30.10	8.00	25.30	83.8	5.70	19.3	18.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR5(N)	12:22:00	8.3	Bottom	3	2	29.90	8.00	25.30	88.8	5.90	19.6	19.9	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS10(N)	12:15:00	1.0	Surface	1	1	30.30	7.90	23.20	89.9	6.20	5.7	10.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS10(N)	12:15:00	1.0	Surface	1	2	30.10	8.00	23.10	96.3	6.40	5.5	11.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS10(N)	12:15:00	6.3	Middle	2	1	30.30	8.00	23.50	86.6	5.90	10.3	10.9	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS10(N)	12:15:00	6.3	Middle	2	2	30.00	8.00	23.40	92.4	6.10	10.0	10.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS10(N)	12:15:00	11.5	Bottom	3	1	30.20	8.00	25.20	87.3	5.90	15.6	10.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS10(N)	12:15:00	11.5	Bottom	3	2	29.90	8.00	25.10	92.6	6.00	15.3	10.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)11	12:09:00	1.0	Surface	1	1	30.30	7.90	23.20	89.1	6.20	5.6	5.4	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)11	12:09:00	1.0	Surface	1	2	30.10	8.00	23.10	95.8	6.40	5.4	5.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)11	12:09:00	5.6	Middle	2	1	30.30	8.00	23.60	85.8	5.90	8.0	7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)11	12:09:00	5.6	Middle	2	2	30.00	8.00	23.60	91.4	6.10	7.8	6.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)11	12:09:00	10.2	Bottom	3	1	30.20	8.00	25.20	84.9	5.80	19.2	14.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)11	12:09:00	10.2	Bottom	3	2	29.90	8.00	25.10	89.7	5.90	19.4	15.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)5	11:30:00	1.0	Surface	1	1	30.20	8.00	23.90	87.3	5.80	5.8	8.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)5	11:30:00	1.0	Surface	1	2	30.00	8.00	24.20	86.3	5.70	4.7	7.4	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)5	11:30:00	6.3	Middle	2	1	29.90	8.00	25.70	74.3	4.90	8.9	7.6	

Project	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
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)5	11:30:00	6.3	Middle	2	2	29.60	8.00	25.90	73.6	4.90	7.9	7.3	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)5	11:30:00	11.5	Bottom	3	1	29.60	8.00	27.60	67.9	4.40	8.6	10.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	CS(Mf)5	11:30:00	11.5	Bottom	3	2	29.40	8.00	27.90	67.8	4.40	8.5	10.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR7	12:00:00	1.0	Surface	1	1	30.20	7.90	23.50	85.5	5.80	12.2	9.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR7	12:00:00	1.0	Surface	1	2	29.90	7.90	23.90	91.0	6.00	12.0	10.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR7	12:00:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR7	12:00:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR7	12:00:00	3.2	Bottom	3	1	30.10	7.90	24.10	85.9	5.80	15.1	15.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR7	12:00:00	3.2	Bottom	3	2	29.80	7.90	24.40	90.0	6.00	14.8	15.3	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS17	11:57:00	1.0	Surface	1	1	30.20	8.00	23.80	91.5	6.10	6.8	6.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS17	11:57:00	1.0	Surface	1	2	29.90	8.10	24.10	90.6	6.00	6.3	7.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS17	11:57:00	5.8	Middle	2	1	30.20	8.00	24.10	86.1	5.70	7.8	7.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS17	11:57:00	5.8	Middle	2	2	29.90	8.00	24.30	85.3	5.70	6.8	7.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS17	11:57:00	10.6	Bottom	3	1	29.80	8.00	26.50	71.9	4.70	12.5	13	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS17	11:57:00	10.6	Bottom	3	2	29.50	8.00	26.80	71.6	4.70	11.9	13	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)16	12:02:00	1.0	Surface	1	1	30.20	8.10	23.70	98.8	6.50	8.0	6.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)16	12:02:00	1.0	Surface	1	2	29.90	8.10	24.00	97.9	6.50	6.9	6.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)16	12:02:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)16	12:02:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)16	12:02:00	4.9	Bottom	3	1	30.10	8.00	24.50	84.9	5.60	12.7	13.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)16	12:02:00	4.9	Bottom	3	2	29.80	8.00	24.80	84.9	5.60	11.7	13.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS8	12:28:00	1.0	Surface	1	1	30.50	8.10	23.80	100.4	6.60	9.3	8.3	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS8	12:28:00	1.0	Surface	1	2	30.20	8.10	24.10	99.8	6.60	8.6	8.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS8	12:28:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS8	12:28:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS8	12:28:00	3.0	Bottom	3	1	30.40	8.00	23.80	97.0	6.40	12.8	12.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS8	12:28:00	3.0	Bottom	3	2	30.10	8.10	24.10	96.6	6.40	11.8	11	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR4(N)	12:23:00	1.0	Surface	1	1	30.50	8.00	22.70	94.1	6.20	8.4	8.9	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR4(N)	12:23:00	1.0	Surface	1	2	30.20	8.00	22.90	93.8	6.20	7.6	9.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR4(N)	12:23:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR4(N)	12:23:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR4(N)	12:23:00	2.8	Bottom	3	1	30.40	8.00	22.80	92.6	6.10	9.3	8.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR4(N)	12:23:00	2.8	Bottom	3	2	30.10	8.00	23.00	92.2	6.10	8.2	8.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)9	12:38:00	1.0	Surface	1	1	30.40	8.10	23.70	107.4	7.10	8.4	9.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)9	12:38:00	1.0	Surface	1	2	30.10	8.10	24.00	106.8	7.10	7.2	9.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)9	12:38:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)9	12:38:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)9	12:38:00	2.1	Bottom	3	1	30.40	8.10	23.70	106.3	7.00	8.7	8.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)9	12:38:00	2.1	Bottom	3	2	30.10	8.10	24.00	105.4	7.00	7.4	8.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS7	12:48:00	1.0	Surface	1	1	30.30	8.00	23.90	91.6	6.10	8.9	8.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS7	12:48:00	1.0	Surface	1	2	30.00	8.10	24.10	90.9	6.00	7.4	8.4	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS7	12:48:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS7	12:48:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS7	12:48:00	2.0	Bottom	3	1	30.20	8.00	24.00	85.8	5.70	11.4	8.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS7	12:48:00	2.0	Bottom	3	2	29.90	8.00	24.30	85.9	5.70	10.3	8.4	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)6	12:57:00	1.0	Surface	1	1	30.50	8.10	23.70	103.8	6.80	7.2	6.5	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)6	12:57:00	1.0	Surface	1	2	30.20	8.10	23.90	103.2	6.80	6.0	7.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)6	12:57:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)6	12:57:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)6	12:57:00	2.0	Bottom	3	1	30.50	8.00	23.80	99.0	6.50	10.9	20.1	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS(Mf)6	12:57:00	2.0	Bottom	3	2	30.20	8.10	24.00	97.8	6.50	9.9	21.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS5	13:04:00	1.0	Surface	1	1	30.30	8.00	24.60	90.0	5.90	9.4	10.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS5	13:04:00	1.0	Surface	1	2	30.10	8.10	24.80	89.2	5.90	8.9	9.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS5	13:04:00	4.5	Middle	2	1	30.10	8.00	25.30	83.5	5.50	15.8	11.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS5	13:04:00	4.5	Middle	2	2	29.80	8.00	25.60	83.0	5.50	14.7	12.3	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS5	13:04:00	7.9	Bottom	3	1	30.00	8.00	25.60	83.1	5.50	18.3	19.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	IS5	13:04:00	7.9	Bottom	3	2	29.80	8.00	25.90	83.0	5.50	19.5	20.8	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR3(N)	13:10:00	1.0	Surface	1	1	30.40	8.00	24.30	90.4	5.90	9.1	10.2	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR3(N)	13:10:00	1.0	Surface	1	2	30.10	8.10	24.50	89.8	5.90	8.0	10.6	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR3(N)	13:10:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR3(N)	13:10:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR3(N)	13:10:00	2.6	Bottom	3	1	30.20	8.00	24.70	84.5	5.60	14.7	15.7	
HKBCF	2017-10-04	Mid-Ebb	Cloudy	SR3(N)	13:10:00	2.6	Bottom	3	2	30.00	8.00	25.00	84.1	5.60	13.5	16	

Project	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
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10A(N)	19:06:00	1.0	Surface	1	1	29.50	8.00	27.30	71.2	4.70	5.9	9	Location was changed due to fishing net installed in the vicinity N22o21.116'E114o03.1185
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10A(N)	19:06:00	1.0	Surface	1	2	29.70	7.90	27.00	71.9	4.70	5.5	8.2	Location was changed due to fishing net installed in the vicinity N22o21.116'E114o03.1185
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10A(N)	19:06:00	13.5	Middle	2	1	29.30	8.00	28.60	66.2	4.30	13.4	13	Location was changed due to fishing net installed in the vicinity N22o21.116'E114o03.1185
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10A(N)	19:06:00	13.5	Middle	2	2	29.60	7.90	28.30	66.5	4.30	13.2	12.5	Location was changed due to fishing net installed in the vicinity N22o21.116'E114o03.1185
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10A(N)	19:06:00	25.9	Bottom	3	1	29.30	8.00	28.70	66.5	4.30	14.4	18.8	Location was changed due to fishing net installed in the vicinity N22o21.116'E114o03.1185
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10A(N)	19:06:00	25.9	Bottom	3	2	29.60	7.90	28.40	66.4	4.30	14.9	19.3	Location was changed due to fishing net installed in the vicinity N22o21.116'E114o03.1185
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10B(N2)	18:58:00	1.0	Surface	1	1	29.30	8.00	28.50	68.1	4.50	9.2	9.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10B(N2)	18:58:00	1.0	Surface	1	2	29.60	7.90	28.20	68.4	4.50	9.5	9.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10B(N2)	18:58:00	4.4	Middle	2	1	29.30	8.00	28.70	67.7	4.40	10.7	11.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10B(N2)	18:58:00	4.4	Middle	2	2	29.60	7.90	28.40	67.7	4.40	11.9	12	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10B(N2)	18:58:00	7.8	Bottom	3	1	29.30	8.00	28.80	69.1	4.50	11.6	14.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR10B(N2)	18:58:00	7.8	Bottom	3	2	29.60	7.90	28.60	68.2	4.40	10.9	15.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CSA	18:35:00	1.0	Surface	1	1	30.00	7.90	24.60	82.4	5.40	4.2	4.8	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CSA	18:35:00	1.0	Surface	1	2	29.80	7.90	24.80	82.6	5.50	4.3	4.6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CSA	18:35:00	16.9	Middle	2	1	29.70	7.90	27.60	67.7	4.40	12.6	5.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CSA	18:35:00	16.9	Middle	2	2	29.40	7.90	27.80	66.8	4.40	12.2	4.9	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CSA	18:35:00	32.8	Bottom	3	1	29.60	7.90	28.00	67.6	4.40	17.8	9.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CSA	18:35:00	32.8	Bottom	3	2	29.30	7.90	28.30	65.9	4.30	14.8	9.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS6	18:25:00	1.0	Surface	1	1	30.20	7.90	24.20	81.9	5.40	5.7	5.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS6	18:25:00	1.0	Surface	1	2	29.90	7.90	24.50	82.0	5.40	5.8	4.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS6	18:25:00	5.3	Middle	2	1	30.10	7.90	24.80	77.4	5.10	10.9	7.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS6	18:25:00	5.3	Middle	2	2	29.90	7.90	25.10	76.8	5.10	10.4	7.6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS6	18:25:00	9.6	Bottom	3	1	29.90	7.90	26.20	75.5	5.00	22.6	8.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS6	18:25:00	9.6	Bottom	3	2	29.60	7.90	26.50	73.7	4.80	22.0	8.4	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS4	17:22:00	1.0	Surface	1	1	30.40	7.80	22.10	79.4	5.30	6.5	6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS4	17:22:00	1.0	Surface	1	2	30.10	7.80	22.30	79.2	5.30	7.0	6.6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS4	17:22:00	9.1	Middle	2	1	30.10	7.90	25.20	76.0	5.00	11.1	11.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS4	17:22:00	9.1	Middle	2	2	29.90	7.90	25.40	75.9	5.00	10.7	11.8	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS4	17:22:00	17.2	Bottom	3	1	29.80	7.90	26.40	69.7	4.60	23.3	23	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS4	17:22:00	17.2	Bottom	3	2	29.60	7.90	26.60	68.6	4.50	22.1	22.4	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR6	16:46:00	1.0	Surface	1	1	30.30	7.80	21.80	79.1	5.30	16.5	10	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR6	16:46:00	1.0	Surface	1	2	30.00	7.80	22.00	78.1	5.20	16.1	10.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR6	16:46:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR6	16:46:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR6	16:46:00	3.3	Bottom	3	1	30.20	7.80	22.30	83.2	5.50	22.3	18.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR6	16:46:00	3.3	Bottom	3	2	30.00	7.80	22.50	82.6	5.50	21.2	19.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)3(N)	17:07:00	1.0	Surface	1	1	30.40	7.80	20.90	82.8	5.50	6.1	7.6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)3(N)	17:07:00	1.0	Surface	1	2	30.20	7.80	21.30	81.6	5.50	6.5	6.4	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)3(N)	17:07:00	3.6	Middle	2	1	30.40	7.80	21.20	78.2	5.20	7.8	8.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)3(N)	17:07:00	3.6	Middle	2	2	30.20	7.80	21.60	77.5	5.20	7.5	9.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)3(N)	17:07:00	6.1	Bottom	3	1	30.20	7.80	23.20	78.8	5.20	11.2	9.8	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)3(N)	17:07:00	6.1	Bottom	3	2	30.00	7.90	23.60	76.7	5.10	10.5	9.9	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR5(N)	17:44:00	1.0	Surface	1	1	30.20	7.90	23.60	86.2	5.70	10.0	7.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR5(N)	17:44:00	1.0	Surface	1	2	29.90	7.90	23.90	85.5	5.70	9.5	7.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR5(N)	17:44:00	4.8	Middle	2	1	30.20	7.90	24.00	83.0	5.50	12.1	9.4	

Project	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
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR5(N)	17:44:00	4.8	Middle	2	2	29.90	7.90	24.30	82.3	5.50	11.7	9.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR5(N)	17:44:00	8.5	Bottom	3	1	30.10	7.90	24.30	81.5	5.40	21.4	27.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR5(N)	17:44:00	8.5	Bottom	3	2	29.90	7.90	24.70	80.1	5.30	20.7	28.9	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS10(N)	17:51:00	1.0	Surface	1	1	30.20	7.90	23.70	84.9	5.60	14.9	6.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS10(N)	17:51:00	1.0	Surface	1	2	29.90	7.90	23.80	84.5	5.60	13.5	6.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS10(N)	17:51:00	6.1	Middle	2	1	30.00	7.90	25.20	79.4	5.20	20.1	14.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS10(N)	17:51:00	6.1	Middle	2	2	29.80	7.90	25.20	78.3	5.20	19.2	14.4	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS10(N)	17:51:00	11.1	Bottom	3	1	30.00	7.90	25.50	86.4	5.70	25.7	20.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS10(N)	17:51:00	11.1	Bottom	3	2	29.70	7.90	25.50	83.4	5.50	24.8	20.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)11	17:56:00	1.0	Surface	1	1	30.10	7.90	23.90	86.4	5.70	16.9	9.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)11	17:56:00	1.0	Surface	1	2	29.90	7.90	23.90	86.1	5.70	15.1	8.9	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)11	17:56:00	5.6	Middle	2	1	30.10	7.90	24.70	83.1	5.50	22.6	15.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)11	17:56:00	5.6	Middle	2	2	29.80	7.90	24.70	82.3	5.50	21.4	14.8	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)11	17:56:00	10.1	Bottom	3	1	30.00	7.90	25.20	85.8	5.60	23.9	19.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)11	17:56:00	10.1	Bottom	3	2	29.80	7.90	25.20	82.8	5.50	22.7	18.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)5	18:23:00	1.0	Surface	1	1	29.80	8.00	25.00	79.4	5.30	4.4	6.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)5	18:23:00	1.0	Surface	1	2	30.10	7.90	24.80	80.7	5.30	4.3	7.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)5	18:23:00	6.1	Middle	2	1	29.40	8.00	27.40	69.4	4.60	9.5	9.4	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)5	18:23:00	6.1	Middle	2	2	29.70	7.90	27.10	70.1	4.60	9.5	8.6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)5	18:23:00	11.2	Bottom	3	1	29.40	8.00	27.80	67.8	4.40	22.7	17	
HKBCF	2017-10-04	Mid-Flood	Cloudy	CS(Mf)5	18:23:00	11.2	Bottom	3	2	29.60	7.90	27.50	67.4	4.40	23.7	16.9	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR7	18:04:00	1.0	Surface	1	1	30.10	7.90	24.00	86.6	5.70	11.0	9.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR7	18:04:00	1.0	Surface	1	2	29.90	7.90	24.00	84.8	5.60	10.1	8.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR7	18:04:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR7	18:04:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR7	18:04:00	3.2	Bottom	3	1	30.10	7.90	24.30	89.7	5.90	12.6	11.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR7	18:04:00	3.2	Bottom	3	2	29.90	7.90	24.30	87.7	5.80	11.1	10.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS17	17:59:00	1.0	Surface	1	1	29.80	8.00	23.80	84.6	5.60	4.6	8.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS17	17:59:00	1.0	Surface	1	2	30.10	8.00	23.50	85.8	5.70	4.6	8.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS17	17:59:00	5.4	Middle	2	1	29.70	8.00	25.50	73.4	4.90	13.5	18.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS17	17:59:00	5.4	Middle	2	2	30.00	7.90	25.30	74.0	4.90	13.0	19.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS17	17:59:00	9.8	Bottom	3	1	29.70	8.00	25.80	72.0	4.80	25.9	27.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS17	17:59:00	9.8	Bottom	3	2	29.90	7.90	25.50	72.2	4.80	27.3	28.6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)16	17:51:00	1.0	Surface	1	1	29.80	8.00	23.90	87.3	5.80	5.7	8.4	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)16	17:51:00	1.0	Surface	1	2	30.10	8.00	23.60	87.9	5.80	5.8	8.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)16	17:51:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)16	17:51:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)16	17:51:00	4.8	Bottom	3	1	29.80	8.00	24.60	86.3	5.70	7.5	7.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)16	17:51:00	4.8	Bottom	3	2	30.10	8.00	24.30	86.6	5.70	7.6	7.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS8	17:26:00	1.0	Surface	1	1	29.80	8.00	24.10	88.4	5.90	10.3	11.9	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS8	17:26:00	1.0	Surface	1	2	30.10	8.00	23.80	88.8	5.90	10.9	11.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS8	17:26:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS8	17:26:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS8	17:26:00	2.6	Bottom	3	1	29.80	8.00	24.20	88.4	5.90	10.7	14.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS8	17:26:00	2.6	Bottom	3	2	30.10	8.00	23.90	88.6	5.90	10.7	14.4	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR4(N)	17:33:00	1.0	Surface	1	1	29.80	8.00	24.40	84.9	5.60	9.2	10	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR4(N)	17:33:00	1.0	Surface	1	2	30.10	8.00	24.10	85.3	5.60	9.2	10.8	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR4(N)	17:33:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR4(N)	17:33:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR4(N)	17:33:00	2.9	Bottom	3	1	29.80	8.00	24.40	84.9	5.60	9.2	13.6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR4(N)	17:33:00	2.9	Bottom	3	2	30.10	8.00	24.20	85.0	5.60	9.3	14	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)9	17:17:00		Surface	1	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)9	17:17:00		Surface	1	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)9	17:17:00	1.4	Middle	2	1	30.00	8.10	24.20	99.4	6.60	8.5	11.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)9	17:17:00	1.4	Middle	2	2	30.20	8.00	23.90	99.9	6.60	8.6	10.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)9	17:17:00		Bottom	3	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)9	17:17:00		Bottom	3	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS7	17:09:00		Surface	1	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS7	17:09:00		Surface	1	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS7	17:09:00	1.5	Middle	2	1	30.00	8.10	24.10	100.0	6.60	12.0	14.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS7	17:09:00	1.5	Middle	2	2	30.30	8.00	23.80	100.5	6.60	11.7	13.5	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS7	17:09:00		Bottom	3	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS7	17:09:00		Bottom	3	2								

Project	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
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)6	17:00:00		Surface	1	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)6	17:00:00		Surface	1	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)6	17:00:00	1.3	Middle	2	1	30.00	8.10	24.20	94.8	6.30	13.9	18	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)6	17:00:00	1.3	Middle	2	2	30.30	8.00	23.90	95.1	6.30	14.0	17.3	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)6	17:00:00		Bottom	3	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS(Mf)6	17:00:00		Bottom	3	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS5	16:53:00	1.0	Surface	1	1	30.10	8.10	24.10	96.0	6.40	12.9	14.8	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS5	16:53:00	1.0	Surface	1	2	30.30	8.00	23.90	96.6	6.40	12.5	14.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS5	16:53:00	4.4	Middle	2	1	30.00	8.10	24.30	95.0	6.30	16.1	14.1	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS5	16:53:00	4.4	Middle	2	2	30.30	8.00	24.10	95.6	6.30	16.8	15.2	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS5	16:53:00	7.7	Bottom	3	1	30.00	8.10	24.40	94.5	6.20	15.1	16	
HKBCF	2017-10-04	Mid-Flood	Cloudy	IS5	16:53:00	7.7	Bottom	3	2	30.30	8.00	24.20	95.0	6.30	15.4	15	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR3(N)	16:46:00	1.0	Surface	1	1	30.10	8.10	24.30	95.3	6.30	15.0	21	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR3(N)	16:46:00	1.0	Surface	1	2	30.40	8.10	24.00	96.0	6.30	16.1	20.7	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR3(N)	16:46:00		Middle	2	1								
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR3(N)	16:46:00		Middle	2	2								
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR3(N)	16:46:00	2.6	Bottom	3	1	30.10	8.10	24.30	95.2	6.30	18.6	21.6	
HKBCF	2017-10-04	Mid-Flood	Cloudy	SR3(N)	16:46:00	2.6	Bottom	3	2	30.40	8.10	24.00	95.6	6.30	18.4	20.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10A(N)	13:27:00	1.0	Surface	1	1	29.90	7.90	26.90	78.4	5.10	5.5	5.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10A(N)	13:27:00	1.0	Surface	1	2	29.60	8.00	27.20	77.7	5.10	5.7	6.7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10A(N)	13:27:00	5.3	Middle	2	1	29.90	7.90	27.00	77.8	5.10	6.0	7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10A(N)	13:27:00	5.3	Middle	2	2	29.60	8.00	27.30	77.4	5.10	6.1	8.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10A(N)	13:27:00	9.6	Bottom	3	1	29.90	7.90	26.90	78.2	5.10	5.7	8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10A(N)	13:27:00	9.6	Bottom	3	2	29.60	8.00	27.20	77.8	5.10	6.1	8.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10B(N2)	13:20:00	1.0	Surface	1	1	29.80	7.90	27.40	75.1	4.90	6.3	9.2	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10B(N2)	13:20:00	1.0	Surface	1	2	29.50	8.00	27.70	74.7	4.90	6.7	8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10B(N2)	13:20:00	5.9	Middle	2	1	29.80	7.90	27.40	75.3	4.90	6.6	9.2	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10B(N2)	13:20:00	5.9	Middle	2	2	29.50	8.00	27.70	75.1	4.90	6.5	9.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10B(N2)	13:20:00	10.8	Bottom	3	1	29.80	7.90	27.40	76.1	5.00	6.3	8.7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR10B(N2)	13:20:00	10.8	Bottom	3	2	29.50	8.00	27.70	76.8	5.00	6.6	9.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CSA	13:05:00	1.0	Surface	1	1	30.10	7.90	26.10	82.4	5.40	5.7	9.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CSA	13:05:00	1.0	Surface	1	2	29.90	7.90	26.10	82.3	5.40	6.2	9.4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CSA	13:05:00	16.7	Middle	2	1	29.60	7.90	28.50	69.4	4.50	7.6	8.2	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CSA	13:05:00	16.7	Middle	2	2	29.30	7.90	28.50	68.9	4.50	7.4	7.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CSA	13:05:00	32.4	Bottom	3	1	29.50	7.90	29.20	67.3	4.40	23.0	9.9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CSA	13:05:00	32.4	Bottom	3	2	29.20	7.90	29.10	66.5	4.30	20.7	8.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS6	12:56:00	1.0	Surface	1	1	30.20	7.90	26.10	83.7	5.50	5.1	6.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS6	12:56:00	1.0	Surface	1	2	30.00	7.90	26.10	83.0	5.40	5.5	8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS6	12:56:00	5.3	Middle	2	1	30.20	7.90	26.40	82.0	5.40	6.3	8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS6	12:56:00	5.3	Middle	2	2	29.90	7.90	26.40	81.7	5.40	6.2	8.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS6	12:56:00	9.5	Bottom	3	1	29.80	7.90	27.30	76.7	5.00	13.7	7.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS6	12:56:00	9.5	Bottom	3	2	29.60	7.90	27.20	75.3	4.90	12.7	7.4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS4	11:59:00	1.0	Surface	1	1	30.30	7.80	23.60	82.6	5.50	7.7	6.9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS4	11:59:00	1.0	Surface	1	2	30.00	7.90	23.60	81.8	5.40	8.0	7.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS4	11:59:00	9.6	Middle	2	1	29.80	7.90	26.50	82.5	5.40	17.7	9.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS4	11:59:00	9.6	Middle	2	2	29.60	8.00	26.50	81.9	5.40	17.2	9.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS4	11:59:00	18.2	Bottom	3	1	29.80	7.90	27.00	81.4	5.30	28.8	14.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS4	11:59:00	18.2	Bottom	3	2	29.60	8.00	26.90	81.0	5.30	26.2	15.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR6	11:27:00	1.0	Surface	1	1	30.20	8.00	26.90	91.3	5.90	10.5	7.2	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR6	11:27:00	1.0	Surface	1	2	29.90	8.00	27.30	90.7	5.90	9.3	6.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR6	11:27:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR6	11:27:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR6	11:27:00	3.9	Bottom	3	1	29.80	8.00	27.90	88.0	5.70	22.7	10.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR6	11:27:00	3.9	Bottom	3	2	29.50	8.00	28.50	86.5	5.60	20.6	9.7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)3(N)	11:40:00	1.0	Surface	1	1	30.10	7.90	24.40	84.5	5.60	9.4	9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)3(N)	11:40:00	1.0	Surface	1	2	29.80	7.90	24.40	83.4	5.50	9.2	8.4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)3(N)	11:40:00	3.5	Middle	2	1	29.90	8.00	27.20	87.6	5.70	16.0	8.2	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)3(N)	11:40:00	3.5	Middle	2	2	29.60	8.00	27.20	86.6	5.70	15.5	7.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)3(N)	11:40:00	6.0	Bottom	3	1	29.80	8.00	28.20	87.9	5.70	24.2	8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)3(N)	11:40:00	6.0	Bottom	3	2	29.50	8.00	28.10	86.9	5.70	28.2	9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR5(N)	12:17:00	1.0	Surface	1	1	30.10	7.90	25.30	83.4	5.50	10.5	11.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR5(N)	12:17:00	1.0	Surface	1	2	29.80	7.90	25.20	83.1	5.50	9.7	12.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR5(N)	12:17:00	4.7	Middle	2	1	29.80	7.90	26.30	78.7	5.20	18.5	11.9	

Project	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
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR5(N)	12:17:00	4.7	Middle	2	2	29.50	7.90	26.20	78.0	5.20	18.4	12.9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR5(N)	12:17:00	8.3	Bottom	3	1	29.80	7.90	26.30	78.4	5.20	29.1	15.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR5(N)	12:17:00	8.3	Bottom	3	2	29.50	7.90	26.30	77.5	5.10	29.2	16.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS10(N)	12:24:00	1.0	Surface	1	1	30.00	7.90	25.40	82.1	5.40	10.4	7.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS10(N)	12:24:00	1.0	Surface	1	2	29.70	7.90	25.40	81.5	5.40	10.0	8.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS10(N)	12:24:00	6.2	Middle	2	1	29.80	7.90	26.10	79.4	5.20	26.2	8.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS10(N)	12:24:00	6.2	Middle	2	2	29.50	7.90	26.00	78.6	5.20	24.5	8.4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS10(N)	12:24:00	11.4	Bottom	3	1	29.70	7.90	27.00	75.8	5.00	34.1	9.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS10(N)	12:24:00	11.4	Bottom	3	2	29.50	7.90	26.90	74.0	4.90	29.6	9.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)11	12:30:00	1.0	Surface	1	1	30.10	7.90	25.00	83.7	5.50	7.7	6.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)11	12:30:00	1.0	Surface	1	2	29.90	7.90	24.90	83.6	5.50	7.8	5.9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)11	12:30:00	5.7	Middle	2	1	29.80	7.90	26.00	76.8	5.10	16.1	8.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)11	12:30:00	5.7	Middle	2	2	29.50	7.90	26.00	76.4	5.10	15.4	7.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)11	12:30:00	10.4	Bottom	3	1	29.70	7.90	27.40	72.8	4.80	18.9	9.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)11	12:30:00	10.4	Bottom	3	2	29.40	7.90	27.30	71.4	4.70	16.4	10.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)5	12:50:00	1.0	Surface	1	1	30.00	7.90	26.10	79.4	5.20	7.9	7.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)5	12:50:00	1.0	Surface	1	2	29.70	8.00	26.40	78.4	5.20	8.2	8.7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)5	12:50:00	5.6	Middle	2	1	29.70	7.90	26.80	73.1	4.80	7.5	8.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)5	12:50:00	5.6	Middle	2	2	29.40	8.00	27.10	72.6	4.80	7.7	8.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)5	12:50:00	10.2	Bottom	3	1	29.70	7.90	26.80	73.2	4.80	8.8	7.7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	CS(Mf)5	12:50:00	10.2	Bottom	3	2	29.40	8.00	27.10	73.0	4.80	8.6	7.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR7	12:38:00	1.0	Surface	1	1	30.20	7.90	24.60	85.7	5.60	7.0	3.7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR7	12:38:00	1.0	Surface	1	2	29.90	7.90	24.60	85.2	5.60	6.6	2.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR7	12:38:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR7	12:38:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR7	12:38:00	3.6	Bottom	3	1	29.80	7.90	25.90	81.9	5.40	14.3	9.9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR7	12:38:00	3.6	Bottom	3	2	29.60	7.90	25.90	80.4	5.30	13.5	9.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS17	12:34:00	1.0	Surface	1	1	30.00	7.90	25.60	83.8	5.50	7.1	4.7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS17	12:34:00	1.0	Surface	1	2	29.70	8.00	25.90	83.0	5.50	7.0	4.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS17	12:34:00	4.5	Middle	2	1	29.90	7.90	25.70	82.9	5.50	6.7	5.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS17	12:34:00	4.5	Middle	2	2	29.70	8.00	26.00	82.2	5.40	6.8	5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS17	12:34:00	7.9	Bottom	3	1	29.90	7.90	25.80	82.4	5.40	7.2	4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS17	12:34:00	7.9	Bottom	3	2	29.60	8.00	26.10	82.1	5.40	6.8	4.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)16	12:24:00	1.0	Surface	1	1	29.80	7.90	25.50	81.3	5.40	11.0	6.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)16	12:24:00	1.0	Surface	1	2	29.50	8.00	25.80	80.0	5.30	11.2	5.2	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)16	12:24:00	3.2	Middle	2	1	29.70	7.90	25.60	78.3	5.20	13.0	9.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)16	12:24:00	3.2	Middle	2	2	29.50	8.00	25.90	77.1	5.10	12.9	10.4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)16	12:24:00	5.4	Bottom	3	1	29.70	7.90	26.00	76.6	5.10	10.3	9.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)16	12:24:00	5.4	Bottom	3	2	29.40	8.00	26.20	75.7	5.00	10.8	9.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS8	12:03:00	1.0	Surface	1	1	29.90	8.00	25.30	84.6	5.60	7.6	6.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS8	12:03:00	1.0	Surface	1	2	29.60	8.00	25.60	83.9	5.50	7.8	6.2	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS8	12:03:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS8	12:03:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS8	12:03:00	3.1	Bottom	3	1	29.70	7.90	25.40	82.2	5.40	6.2	6.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS8	12:03:00	3.1	Bottom	3	2	29.40	8.00	25.70	82.2	5.50	6.7	7.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR4(N)	12:10:00	1.0	Surface	1	1	29.80	7.90	24.60	82.0	5.40	6.2	5.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR4(N)	12:10:00	1.0	Surface	1	2	29.50	7.90	24.90	81.3	5.40	6.4	4.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR4(N)	12:10:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR4(N)	12:10:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR4(N)	12:10:00	4.4	Bottom	3	1	29.80	7.90	24.70	82.7	5.50	6.6	5.7	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR4(N)	12:10:00	4.4	Bottom	3	2	29.50	7.90	25.00	83.1	5.50	6.9	5.2	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)9	11:54:00	1.0	Surface	1	1	29.90	8.00	25.30	87.1	5.70	7.1	5.6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)9	11:54:00	1.0	Surface	1	2	29.70	8.00	25.60	86.4	5.70	7.1	6.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)9	11:54:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)9	11:54:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)9	11:54:00	3.3	Bottom	3	1	29.80	8.00	25.30	86.1	5.70	4.9	5.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)9	11:54:00	3.3	Bottom	3	2	29.50	8.00	25.60	86.3	5.70	5.3	6.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS7	11:47:00	1.0	Surface	1	1	29.90	8.00	25.10	88.6	5.80	6.7	5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS7	11:47:00	1.0	Surface	1	2	29.70	8.00	25.40	87.9	5.80	6.4	5.3	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS7	11:47:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS7	11:47:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS7	11:47:00	2.6	Bottom	3	1	29.90	8.00	25.20	88.1	5.80	6.7	5.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS7	11:47:00	2.6	Bottom	3	2	29.60	8.00	25.40	87.9	5.80	6.4	5.3	

Project	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
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)6	11:40:00	1.0	Surface	1	1	29.90	8.00	25.40	84.3	5.60	8.8	9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)6	11:40:00	1.0	Surface	1	2	29.60	8.00	25.70	83.4	5.50	9.1	8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)6	11:40:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)6	11:40:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)6	11:40:00	2.6	Bottom	3	1	29.90	8.00	25.40	83.4	5.50	10.5	9.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS(Mf)6	11:40:00	2.6	Bottom	3	2	29.60	8.00	25.70	82.8	5.50	10.8	8.4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS5	11:33:00	1.0	Surface	1	1	29.90	8.00	25.80	85.2	5.60	10.1	8.4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS5	11:33:00	1.0	Surface	1	2	29.60	8.00	26.10	84.4	5.60	10.3	8.8	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS5	11:33:00	4.9	Middle	2	1	29.80	8.00	25.90	84.8	5.60	12.2	8.4	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS5	11:33:00	4.9	Middle	2	2	29.60	8.00	26.10	84.0	5.50	12.4	8.5	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS5	11:33:00	8.8	Bottom	3	1	29.80	8.00	26.10	84.2	5.50	18.0	19	
HKBCF	2017-10-06	Mid-Ebb	Sunny	IS5	11:33:00	8.8	Bottom	3	2	29.50	8.00	26.40	83.5	5.50	19.0	17.9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR3(N)	11:27:00	1.0	Surface	1	1	29.80	8.00	25.60	82.8	5.50	12.1	6	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR3(N)	11:27:00	1.0	Surface	1	2	29.60	8.00	25.80	82.0	5.40	12.7	5.9	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR3(N)	11:27:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR3(N)	11:27:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR3(N)	11:27:00	2.6	Bottom	3	1	29.80	8.00	25.60	81.9	5.40	13.7	11.1	
HKBCF	2017-10-06	Mid-Ebb	Sunny	SR3(N)	11:27:00	2.6	Bottom	3	2	29.50	8.00	25.90	81.6	5.40	14.3	10.7	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10A(N)	5:48:00	1.0	Surface	1	1	29.70	7.90	26.50	76.1	5.00	6.7	8.4	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10A(N)	5:48:00	1.0	Surface	1	2	29.40	8.00	26.80	75.7	5.00	6.9	6.7	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10A(N)	5:48:00	5.1	Middle	2	1	29.70	7.90	26.50	76.2	5.00	6.7	8.4	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10A(N)	5:48:00	5.1	Middle	2	2	29.40	8.00	26.80	75.8	5.00	6.7	9.3	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10A(N)	5:48:00	9.1	Bottom	3	1	29.70	7.90	26.50	76.7	5.00	6.8	9.4	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10A(N)	5:48:00	9.1	Bottom	3	2	29.40	7.90	26.80	77.0	5.10	7.0	8.8	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10B(N2)	5:56:00	1.0	Surface	1	1	29.50	7.90	28.30	68.3	4.50	12.3	16.5	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10B(N2)	5:56:00	1.0	Surface	1	2	29.20	7.90	28.60	67.9	4.40	12.0	15.7	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10B(N2)	5:56:00	5.6	Middle	2	1	29.50	7.90	28.30	68.5	4.50	12.8	15.9	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10B(N2)	5:56:00	5.6	Middle	2	2	29.30	7.90	28.60	68.4	4.50	12.8	16.5	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10B(N2)	5:56:00	10.2	Bottom	3	1	29.20	7.90	28.40	70.3	4.60	12.0	19	
HKBCF	2017-10-06	Mid-Flood	Fine	SR10B(N2)	5:56:00	10.2	Bottom	3	2	29.20	7.90	28.60	69.9	4.60	12.5	17.9	
HKBCF	2017-10-06	Mid-Flood	Fine	CSA	6:05:00	1.0	Surface	1	1	29.60	7.90	25.60	80.4	5.30	8.9	7.3	
HKBCF	2017-10-06	Mid-Flood	Fine	CSA	6:05:00	1.0	Surface	1	2	29.80	7.90	25.50	81.4	5.40	9.2	6.6	
HKBCF	2017-10-06	Mid-Flood	Fine	CSA	6:05:00	16.0	Middle	2	1	29.60	7.80	25.90	77.3	5.10	8.9	8.7	
HKBCF	2017-10-06	Mid-Flood	Fine	CSA	6:05:00	16.0	Middle	2	2	29.80	7.90	25.70	78.6	5.20	8.8	7.5	
HKBCF	2017-10-06	Mid-Flood	Fine	CSA	6:05:00	30.9	Bottom	3	1	29.50	7.80	27.00	72.2	4.80	9.0	8.9	
HKBCF	2017-10-06	Mid-Flood	Fine	CSA	6:05:00	30.9	Bottom	3	2	29.70	7.80	27.10	74.4	4.90	9.3	10	
HKBCF	2017-10-06	Mid-Flood	Fine	CS6	6:17:00	1.0	Surface	1	1	29.60	7.90	25.70	80.9	5.30	8.7	7.1	
HKBCF	2017-10-06	Mid-Flood	Fine	CS6	6:17:00	1.0	Surface	1	2	29.90	7.90	25.80	82.0	5.40	8.7	8.6	
HKBCF	2017-10-06	Mid-Flood	Fine	CS6	6:17:00	5.0	Middle	2	1	29.70	7.90	26.20	79.2	5.20	10.8	6.9	
HKBCF	2017-10-06	Mid-Flood	Fine	CS6	6:17:00	5.0	Middle	2	2	29.90	7.90	26.30	80.1	5.30	11.7	7.5	
HKBCF	2017-10-06	Mid-Flood	Fine	CS6	6:17:00	9.0	Bottom	3	1	29.60	7.90	26.80	76.1	5.00	20.1	10.6	
HKBCF	2017-10-06	Mid-Flood	Fine	CS6	6:17:00	9.0	Bottom	3	2	29.80	7.90	26.90	77.8	5.10	22.6	11.3	
HKBCF	2017-10-06	Mid-Flood	Fine	CS4	7:13:00	1.0	Surface	1	1	29.60	7.90	24.80	80.5	5.40	6.9	8.4	
HKBCF	2017-10-06	Mid-Flood	Fine	CS4	7:13:00	1.0	Surface	1	2	29.80	7.90	24.80	81.3	5.40	7.9	8.7	
HKBCF	2017-10-06	Mid-Flood	Fine	CS4	7:13:00	9.8	Middle	2	1	29.50	7.90	26.70	76.6	5.00	16.9	7.8	
HKBCF	2017-10-06	Mid-Flood	Fine	CS4	7:13:00	9.8	Middle	2	2	29.80	7.90	26.70	77.5	5.10	18.3	7.7	
HKBCF	2017-10-06	Mid-Flood	Fine	CS4	7:13:00	18.5	Bottom	3	1	29.50	7.90	27.10	73.6	4.80	32.1	7.8	
HKBCF	2017-10-06	Mid-Flood	Fine	CS4	7:13:00	18.5	Bottom	3	2	29.80	7.90	27.20	74.8	4.90	32.9	7.6	
HKBCF	2017-10-06	Mid-Flood	Fine	SR6	8:04:00	1.0	Surface	1	1	29.50	7.90	24.80	82.3	5.50	13.8	11.7	
HKBCF	2017-10-06	Mid-Flood	Fine	SR6	8:04:00	1.0	Surface	1	2	29.80	7.90	24.80	83.3	5.50	14.9	13	
HKBCF	2017-10-06	Mid-Flood	Fine	SR6	8:04:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Flood	Fine	SR6	8:04:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Flood	Fine	SR6	8:04:00	3.9	Bottom	3	1	29.60	7.90	25.90	82.7	5.50	23.5	12	
HKBCF	2017-10-06	Mid-Flood	Fine	SR6	8:04:00	3.9	Bottom	3	2	29.80	7.90	26.00	83.8	5.50	27.0	12.2	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)3(N)	7:29:00	1.0	Surface	1	1	29.60	7.80	23.50	79.0	5.30	12.5	11.2	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)3(N)	7:29:00	1.0	Surface	1	2	29.90	7.80	23.50	79.9	5.30	12.9	12.4	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)3(N)	7:29:00	3.6	Middle	2	1	29.60	7.90	23.90	79.1	5.30	16.5	12.3	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)3(N)	7:29:00	3.6	Middle	2	2	29.90	7.80	23.90	80.0	5.30	18.4	13.1	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)3(N)	7:29:00	6.1	Bottom	3	1	29.70	7.90	23.90	79.1	5.30	25.0	13	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)3(N)	7:29:00	6.1	Bottom	3	2	29.90	7.80	23.90	80.5	5.30	28.2	14.7	
HKBCF	2017-10-06	Mid-Flood	Fine	SR5(N)	6:57:00	1.0	Surface	1	1	29.50	7.90	25.40	80.5	5.30	17.0	20.6	
HKBCF	2017-10-06	Mid-Flood	Fine	SR5(N)	6:57:00	1.0	Surface	1	2	29.80	7.90	25.50	81.4	5.40	18.0	20.5	
HKBCF	2017-10-06	Mid-Flood	Fine	SR5(N)	6:57:00	4.8	Middle	2	1	29.50	7.90	25.90	79.8	5.30	25.5	20.5	

Project	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
HKBCF	2017-10-06	Mid-Flood	Fine	SR5(N)	6:57:00	4.8	Middle	2	2	29.80	7.90	25.90	80.9	5.30	26.3	19.6	
HKBCF	2017-10-06	Mid-Flood	Fine	SR5(N)	6:57:00	8.6	Bottom	3	1	29.50	7.90	25.90	80.0	5.30	31.8	19.7	
HKBCF	2017-10-06	Mid-Flood	Fine	SR5(N)	6:57:00	8.6	Bottom	3	2	29.80	7.90	26.00	81.5	5.40	30.9	20	
HKBCF	2017-10-06	Mid-Flood	Fine	IS10(N)	6:50:00	1.0	Surface	1	1	29.40	7.90	25.10	80.8	5.40	12.3	13.5	
HKBCF	2017-10-06	Mid-Flood	Fine	IS10(N)	6:50:00	1.0	Surface	1	2	29.70	7.90	25.10	81.6	5.40	12.5	13	
HKBCF	2017-10-06	Mid-Flood	Fine	IS10(N)	6:50:00	6.1	Middle	2	1	29.50	7.90	26.00	78.8	5.20	25.5	12.1	
HKBCF	2017-10-06	Mid-Flood	Fine	IS10(N)	6:50:00	6.1	Middle	2	2	29.80	7.90	26.00	79.7	5.20	25.2	12.9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS10(N)	6:50:00	11.2	Bottom	3	1	29.50	7.90	26.10	78.0	5.20	33.6	15.3	
HKBCF	2017-10-06	Mid-Flood	Fine	IS10(N)	6:50:00	11.2	Bottom	3	2	29.80	7.90	26.20	79.2	5.20	30.8	13.9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)11	6:45:00	1.0	Surface	1	1	29.40	7.90	24.90	81.2	5.40	9.6	9.8	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)11	6:45:00	1.0	Surface	1	2	29.70	7.90	24.90	82.2	5.40	9.7	8.8	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)11	6:45:00	5.8	Middle	2	1	29.40	7.90	25.00	80.6	5.40	11.3	9.6	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)11	6:45:00	5.8	Middle	2	2	29.70	7.90	25.10	81.6	5.40	11.6	8.2	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)11	6:45:00	10.6	Bottom	3	1	29.40	7.90	25.40	79.9	5.30	24.2	12.1	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)11	6:45:00	10.6	Bottom	3	2	29.70	7.90	25.50	81.6	5.40	26.3	13.4	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)5	6:22:00	1.0	Surface	1	1	29.60	8.00	25.90	78.7	5.20	7.0	6.9	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)5	6:22:00	1.0	Surface	1	2	29.40	8.00	26.20	78.0	5.20	7.1	7	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)5	6:22:00	4.9	Middle	2	1	29.60	8.00	25.90	78.0	5.10	7.7	7.4	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)5	6:22:00	4.9	Middle	2	2	29.40	8.00	26.20	77.1	5.10	7.5	6.9	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)5	6:22:00	8.8	Bottom	3	1	29.70	8.00	26.90	72.7	4.80	8.5	9.1	
HKBCF	2017-10-06	Mid-Flood	Fine	CS(Mf)5	6:22:00	8.8	Bottom	3	2	29.40	8.00	27.10	72.5	4.80	8.6	8.9	
HKBCF	2017-10-06	Mid-Flood	Fine	SR7	6:36:00	1.0	Surface	1	1	29.50	7.90	26.00	79.6	5.30	17.1	13.4	
HKBCF	2017-10-06	Mid-Flood	Fine	SR7	6:36:00	1.0	Surface	1	2	29.80	7.90	26.00	80.8	5.30	18.2	14.2	
HKBCF	2017-10-06	Mid-Flood	Fine	SR7	6:36:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Flood	Fine	SR7	6:36:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Flood	Fine	SR7	6:36:00	3.7	Bottom	3	1	29.50	7.90	26.10	79.4	5.30	23.1	15.1	
HKBCF	2017-10-06	Mid-Flood	Fine	SR7	6:36:00	3.7	Bottom	3	2	29.80	7.90	26.10	80.9	5.30	26.0	16	
HKBCF	2017-10-06	Mid-Flood	Fine	IS17	6:44:00	1.0	Surface	1	1	29.70	8.00	25.30	81.7	5.40	6.7	6.3	
HKBCF	2017-10-06	Mid-Flood	Fine	IS17	6:44:00	1.0	Surface	1	2	29.50	8.00	25.60	80.8	5.40	6.7	6.5	
HKBCF	2017-10-06	Mid-Flood	Fine	IS17	6:44:00	4.4	Middle	2	1	29.80	7.90	25.60	79.3	5.20	7.7	7	
HKBCF	2017-10-06	Mid-Flood	Fine	IS17	6:44:00	4.4	Middle	2	2	29.50	8.00	25.90	78.4	5.20	7.6	6	
HKBCF	2017-10-06	Mid-Flood	Fine	IS17	6:44:00	7.8	Bottom	3	1	29.70	7.90	26.00	77.1	5.10	14.8	7	
HKBCF	2017-10-06	Mid-Flood	Fine	IS17	6:44:00	7.8	Bottom	3	2	29.50	8.00	26.30	76.9	5.10	13.3	8	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)16	6:51:00	1.0	Surface	1	1	29.70	7.90	25.10	81.2	5.40	6.8	4.9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)16	6:51:00	1.0	Surface	1	2	29.40	8.00	25.40	80.4	5.30	6.6	6.2	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)16	6:51:00	3.2	Middle	2	1	29.70	7.90	25.30	79.3	5.20	7.0	4.5	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)16	6:51:00	3.2	Middle	2	2	29.40	8.00	25.60	78.2	5.20	7.1	5.4	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)16	6:51:00	5.3	Bottom	3	1	29.70	7.90	26.00	75.3	5.00	10.0	5.5	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)16	6:51:00	5.3	Bottom	3	2	29.40	8.00	26.20	74.8	4.90	10.2	5.6	
HKBCF	2017-10-06	Mid-Flood	Fine	IS8	7:18:00	1.0	Surface	1	1	29.60	7.90	25.20	80.1	5.30	6.4	3.8	
HKBCF	2017-10-06	Mid-Flood	Fine	IS8	7:18:00	1.0	Surface	1	2	29.30	8.00	25.50	79.0	5.30	6.5	5	
HKBCF	2017-10-06	Mid-Flood	Fine	IS8	7:18:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Flood	Fine	IS8	7:18:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Flood	Fine	IS8	7:18:00	4.1	Bottom	3	1	29.60	7.90	25.80	78.2	5.20	9.9	5.1	
HKBCF	2017-10-06	Mid-Flood	Fine	IS8	7:18:00	4.1	Bottom	3	2	29.30	8.00	26.10	78.1	5.20	9.9	6.7	
HKBCF	2017-10-06	Mid-Flood	Fine	SR4(N)	7:13:00	1.0	Surface	1	1	29.60	7.90	25.80	74.8	4.90	8.0	8.5	
HKBCF	2017-10-06	Mid-Flood	Fine	SR4(N)	7:13:00	1.0	Surface	1	2	29.30	8.00	26.10	74.7	5.00	8.3	7.9	
HKBCF	2017-10-06	Mid-Flood	Fine	SR4(N)	7:13:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Flood	Fine	SR4(N)	7:13:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Flood	Fine	SR4(N)	7:13:00	3.9	Bottom	3	1	29.60	7.90	25.90	76.2	5.00	8.4	7.3	
HKBCF	2017-10-06	Mid-Flood	Fine	SR4(N)	7:13:00	3.9	Bottom	3	2	29.30	8.00	26.10	76.5	5.10	8.5	7.9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)9	7:25:00	1.0	Surface	1	1	29.50	7.90	25.30	79.0	5.20	8.1	6.9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)9	7:25:00	1.0	Surface	1	2	29.20	8.00	25.60	78.0	5.20	8.1	6.7	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)9	7:25:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)9	7:25:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)9	7:25:00	3.3	Bottom	3	1	29.60	7.90	25.70	76.1	5.00	13.8	6.8	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)9	7:25:00	3.3	Bottom	3	2	29.40	8.00	26.00	76.1	5.00	13.9	8.2	
HKBCF	2017-10-06	Mid-Flood	Fine	IS7	7:36:00	1.0	Surface	1	1	29.60	7.90	25.10	81.2	5.40	9.7	9.7	
HKBCF	2017-10-06	Mid-Flood	Fine	IS7	7:36:00	1.0	Surface	1	2	29.30	8.00	25.30	80.7	5.40	10.1	8.7	
HKBCF	2017-10-06	Mid-Flood	Fine	IS7	7:36:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Flood	Fine	IS7	7:36:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Flood	Fine	IS7	7:36:00	3.4	Bottom	3	1	29.60	7.90	25.30	82.3	5.50	10.6	8.9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS7	7:36:00	3.4	Bottom	3	2	29.30	8.00	25.60	81.7	5.40	10.2	9	

Project	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
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)6	7:43:00	1.0	Surface	1	1	29.60	7.90	25.30	83.6	5.50	11.6	11.4	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)6	7:43:00	1.0	Surface	1	2	29.30	8.00	25.60	82.9	5.50	11.6	11.9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)6	7:43:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)6	7:43:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)6	7:43:00	2.8	Bottom	3	1	29.60	7.90	25.30	83.5	5.50	12.4	11.4	
HKBCF	2017-10-06	Mid-Flood	Fine	IS(Mf)6	7:43:00	2.8	Bottom	3	2	29.30	8.00	25.60	82.9	5.50	12.4	12.3	
HKBCF	2017-10-06	Mid-Flood	Fine	IS5	7:50:00	1.0	Surface	1	1	29.60	7.90	25.20	82.0	5.40	9.3	9.1	
HKBCF	2017-10-06	Mid-Flood	Fine	IS5	7:50:00	1.0	Surface	1	2	29.30	8.00	25.50	81.2	5.40	9.2	7.9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS5	7:50:00	5.0	Middle	2	1	29.60	7.90	25.40	82.0	5.40	9.7	8.2	
HKBCF	2017-10-06	Mid-Flood	Fine	IS5	7:50:00	5.0	Middle	2	2	29.40	8.00	25.60	81.3	5.40	10.0	9	
HKBCF	2017-10-06	Mid-Flood	Fine	IS5	7:50:00	9.0	Bottom	3	1	29.70	7.90	25.50	81.7	5.40	10.8	11.7	
HKBCF	2017-10-06	Mid-Flood	Fine	IS5	7:50:00	9.0	Bottom	3	2	29.40	8.00	25.80	81.2	5.40	11.1	11.4	
HKBCF	2017-10-06	Mid-Flood	Fine	SR3(N)	7:58:00	1.0	Surface	1	1	29.60	7.90	25.40	82.4	5.50	10.6	8.2	
HKBCF	2017-10-06	Mid-Flood	Fine	SR3(N)	7:58:00	1.0	Surface	1	2	29.30	8.00	25.70	81.7	5.40	10.4	7.4	
HKBCF	2017-10-06	Mid-Flood	Fine	SR3(N)	7:58:00		Middle	2	1								
HKBCF	2017-10-06	Mid-Flood	Fine	SR3(N)	7:58:00		Middle	2	2								
HKBCF	2017-10-06	Mid-Flood	Fine	SR3(N)	7:58:00	2.2	Bottom	3	1	29.60	7.90	25.40	82.5	5.50	11.6	10.8	
HKBCF	2017-10-06	Mid-Flood	Fine	SR3(N)	7:58:00	2.2	Bottom	3	2	29.30	8.00	25.70	81.9	5.40	11.2	10.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10A(N)	15:48:00	1.0	Surface	1	1	29.40	8.00	28.80	78.6	5.10	7.7	7.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10A(N)	15:48:00	1.0	Surface	1	2	29.60	8.00	28.50	79.2	5.20	7.5	7	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10A(N)	15:48:00	5.3	Middle	2	1	29.40	8.00	28.80	78.5	5.10	8.1	9.9	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10A(N)	15:48:00	5.3	Middle	2	2	29.60	8.00	28.50	78.9	5.10	8.2	9.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10A(N)	15:48:00	9.6	Bottom	3	1	29.30	8.00	28.90	78.9	5.20	9.3	8.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10A(N)	15:48:00	9.6	Bottom	3	2	29.60	8.00	28.60	78.7	5.10	9.6	9.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10B(N2)	15:42:00	1.0	Surface	1	1	29.40	8.00	28.70	78.9	5.10	6.1	6.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10B(N2)	15:42:00	1.0	Surface	1	2	29.70	8.00	28.40	79.5	5.20	5.8	6.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10B(N2)	15:42:00	3.5	Middle	2	1	29.40	8.00	28.70	79.0	5.20	5.9	6.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10B(N2)	15:42:00	3.5	Middle	2	2	29.70	8.00	28.40	79.5	5.20	5.7	5.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10B(N2)	15:42:00	5.9	Bottom	3	1	29.40	8.00	28.70	79.7	5.20	6.1	6.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR10B(N2)	15:42:00	5.9	Bottom	3	2	29.70	8.00	28.40	79.8	5.20	5.9	6.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	CSA	15:49:00	1.0	Surface	1	1	29.80	7.90	26.80	85.8	5.60	5.2	4.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	CSA	15:49:00	1.0	Surface	1	2	29.50	7.90	27.00	85.7	5.60	5.1	3.9	
HKBCF	2017-10-09	Mid-Ebb	Fine	CSA	15:49:00	14.0	Middle	2	1	29.60	7.90	28.90	75.7	4.90	7.3	4.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	CSA	15:49:00	14.0	Middle	2	2	29.30	7.90	29.00	74.9	4.90	7.4	4.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	CSA	15:49:00	26.9	Bottom	3	1	29.50	7.90	29.00	76.4	5.00	7.1	4.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	CSA	15:49:00	26.9	Bottom	3	2	29.30	7.90	29.20	75.0	4.90	6.9	4	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS6	15:37:00	1.0	Surface	1	1	29.80	7.90	27.40	85.8	5.60	5.2	4.9	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS6	15:37:00	1.0	Surface	1	2	29.60	7.90	27.60	84.9	5.60	4.6	3.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS6	15:37:00	5.0	Middle	2	1	29.80	7.90	27.40	84.2	5.50	5.0	4.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS6	15:37:00	5.0	Middle	2	2	29.60	7.90	27.70	83.5	5.50	5.0	4	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS6	15:37:00	9.0	Bottom	3	1	29.70	7.90	28.20	81.5	5.30	7.6	3.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS6	15:37:00	9.0	Bottom	3	2	29.50	7.90	28.40	79.9	5.20	7.9	3.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS4	14:17:00	1.0	Surface	1	1	29.80	7.90	25.80	86.2	5.70	7.9	6.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS4	14:17:00	1.0	Surface	1	2	29.60	7.90	25.90	85.6	5.70	8.3	6.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS4	14:17:00	9.6	Middle	2	1	29.70	7.90	26.80	83.1	5.50	14.9	7.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS4	14:17:00	9.6	Middle	2	2	29.40	7.90	26.80	82.2	5.40	14.3	8.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS4	14:17:00	18.1	Bottom	3	1	29.70	7.90	26.90	81.1	5.30	12.9	13.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS4	14:17:00	18.1	Bottom	3	2	29.50	7.90	27.20	79.7	5.20	12.9	13.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR6	13:33:00	1.0	Surface	1	1	29.70	7.90	28.30	90.4	5.90	10.9	8.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR6	13:33:00	1.0	Surface	1	2	29.50	7.90	28.30	89.6	5.90	10.4	8.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR6	13:33:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Ebb	Fine	SR6	13:33:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Ebb	Fine	SR6	13:33:00	3.9	Bottom	3	1	29.70	7.90	28.30	89.7	5.80	11.8	9.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR6	13:33:00	3.9	Bottom	3	2	29.50	7.90	28.30	88.8	5.80	11.4	8.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)3(N)	13:55:00	1.0	Surface	1	1	29.80	7.90	25.80	88.4	5.80	10.7	9	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)3(N)	13:55:00	1.0	Surface	1	2	29.60	8.00	25.80	87.5	5.80	10.0	8	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)3(N)	13:55:00	3.5	Middle	2	1	29.70	7.90	26.70	88.1	5.80	11.9	8.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)3(N)	13:55:00	3.5	Middle	2	2	29.50	8.00	26.70	87.4	5.80	11.7	9.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)3(N)	13:55:00	6.0	Bottom	3	1	29.60	7.90	27.50	87.7	5.70	14.7	9.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)3(N)	13:55:00	6.0	Bottom	3	2	29.40	8.00	27.50	87.1	5.70	14.0	9.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR5(N)	14:40:00	1.0	Surface	1	1	29.90	7.90	25.20	89.1	5.90	6.0	4.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR5(N)	14:40:00	1.0	Surface	1	2	29.60	7.90	25.40	88.6	5.90	5.9	4.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR5(N)	14:40:00	4.7	Middle	2	1	29.80	7.90	25.70	87.5	5.80	6.6	3.7	

Project	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
HKBCF	2017-10-09	Mid-Ebb	Fine	SR5(N)	14:40:00	4.7	Middle	2	2	29.60	7.90	25.90	87.0	5.70	6.3	4.9	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR5(N)	14:40:00	8.4	Bottom	3	1	29.80	7.90	26.30	85.7	5.60	8.6	4.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR5(N)	14:40:00	8.4	Bottom	3	2	29.50	7.90	26.60	84.7	5.60	8.2	4.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS10(N)	14:47:00	1.0	Surface	1	1	29.70	8.00	26.00	84.4	5.60	12.3	7.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS10(N)	14:47:00	1.0	Surface	1	2	29.40	8.00	26.00	83.6	5.50	11.6	7.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS10(N)	14:47:00	6.1	Middle	2	1	29.80	7.90	26.60	83.8	5.50	13.0	6.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS10(N)	14:47:00	6.1	Middle	2	2	29.40	7.90	26.10	83.6	5.50	12.7	7	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS10(N)	14:47:00	11.2	Bottom	3	1	29.70	7.90	26.60	84.1	5.50	13.3	6.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS10(N)	14:47:00	11.2	Bottom	3	2	29.40	7.90	26.10	83.6	5.50	12.8	6.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)11	15:11:00	1.0	Surface	1	1	29.70	8.00	26.20	84.5	5.60	9.4	7.9	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)11	15:11:00	1.0	Surface	1	2	29.50	8.00	26.20	84.0	5.60	8.9	8.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)11	15:11:00	5.7	Middle	2	1	29.80	7.90	26.50	84.1	5.50	8.6	8.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)11	15:11:00	5.7	Middle	2	2	29.50	7.90	26.60	83.7	5.50	8.0	6.9	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)11	15:11:00	10.4	Bottom	3	1	29.70	7.90	26.70	81.2	5.30	15.8	8	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)11	15:11:00	10.4	Bottom	3	2	29.50	7.90	26.80	80.3	5.30	15.9	7	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)5	15:09:00	1.0	Surface	1	1	29.50	8.00	27.10	84.7	5.60	4.8	3.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)5	15:09:00	1.0	Surface	1	2	29.70	8.00	26.80	85.9	5.60	4.5	4.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)5	15:09:00	5.7	Middle	2	1	29.30	8.00	28.30	75.3	4.90	7.3	4.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)5	15:09:00	5.7	Middle	2	2	29.60	8.00	28.00	75.8	5.00	7.1	3.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)5	15:09:00	10.4	Bottom	3	1	29.30	8.00	28.70	75.5	4.90	12.8	5.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	CS(Mf)5	15:09:00	10.4	Bottom	3	2	29.50	8.00	28.40	74.9	4.90	12.5	6	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR7	15:04:00	1.0	Surface	1	1	29.80	7.90	25.80	86.6	5.70	7.8	4.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR7	15:04:00	1.0	Surface	1	2	29.60	7.90	26.10	86.1	5.70	7.9	4	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR7	15:04:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Ebb	Fine	SR7	15:04:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Ebb	Fine	SR7	15:04:00	3.5	Bottom	3	1	29.70	7.90	27.00	85.9	5.60	12.2	8.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR7	15:04:00	3.5	Bottom	3	2	29.40	7.90	27.20	86.0	5.70	10.8	9.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS17	14:51:00	1.0	Surface	1	1	29.40	8.00	27.00	80.7	5.30	8.1	8.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS17	14:51:00	1.0	Surface	1	2	29.60	8.00	26.70	81.4	5.40	7.9	7.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS17	14:51:00	4.7	Middle	2	1	29.40	8.00	27.10	79.3	5.20	8.3	7	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS17	14:51:00	4.7	Middle	2	2	29.60	8.00	26.90	79.7	5.20	8.3	8.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS17	14:51:00	8.4	Bottom	3	1	29.40	8.00	27.80	76.3	5.00	11.0	9.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS17	14:51:00	8.4	Bottom	3	2	29.60	8.00	27.50	76.5	5.00	11.0	10.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)16	14:39:00	1.0	Surface	1	1	29.40	8.00	26.60	86.0	5.70	8.5	7.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)16	14:39:00	1.0	Surface	1	2	29.70	8.00	26.30	86.8	5.70	8.7	7.9	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)16	14:39:00	3.2	Middle	2	1	29.40	8.00	26.60	85.4	5.60	9.1	7.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)16	14:39:00	3.2	Middle	2	2	29.70	8.00	26.30	86.2	5.70	9.3	8.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)16	14:39:00	5.4	Bottom	3	1	29.40	8.00	26.90	79.5	5.20	12.4	11.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)16	14:39:00	5.4	Bottom	3	2	29.60	8.00	26.70	79.8	5.20	12.4	12.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS8	14:13:00	1.0	Surface	1	1	29.40	8.00	26.60	86.3	5.70	11.3	8.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS8	14:13:00	1.0	Surface	1	2	29.60	8.00	26.30	87.0	5.70	11.8	8.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS8	14:13:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Ebb	Fine	IS8	14:13:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Ebb	Fine	IS8	14:13:00	3.6	Bottom	3	1	29.30	8.00	26.70	85.3	5.60	13.8	9	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS8	14:13:00	3.6	Bottom	3	2	29.60	8.00	26.40	85.8	5.70	14.1	9.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR4(N)	14:21:00	1.0	Surface	1	1	29.50	8.00	26.50	85.6	5.60	6.2	5.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR4(N)	14:21:00	1.0	Surface	1	2	29.70	8.00	26.20	86.1	5.70	5.9	5	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR4(N)	14:21:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Ebb	Fine	SR4(N)	14:21:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Ebb	Fine	SR4(N)	14:21:00	3.2	Bottom	3	1	29.50	8.00	26.50	85.8	5.70	6.4	5.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR4(N)	14:21:00	3.2	Bottom	3	2	29.70	8.00	26.30	86.3	5.70	6.0	5.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)9	14:04:00	1.0	Surface	1	1	29.40	8.00	26.70	86.9	5.70	9.4	8.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)9	14:04:00	1.0	Surface	1	2	29.70	8.00	26.40	87.6	5.80	8.9	8.6	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)9	14:04:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)9	14:04:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)9	14:04:00	3.2	Bottom	3	1	29.40	8.00	26.70	86.5	5.70	10.6	9	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)9	14:04:00	3.2	Bottom	3	2	29.70	8.00	26.50	87.1	5.70	12.0	9.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS7	13:56:00	1.0	Surface	1	1	29.40	8.00	26.80	88.7	5.90	8.7	8.8	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS7	13:56:00	1.0	Surface	1	2	29.60	8.00	26.50	89.4	5.90	8.7	8.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS7	13:56:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Ebb	Fine	IS7	13:56:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Ebb	Fine	IS7	13:56:00	2.7	Bottom	3	1	29.40	8.00	26.80	88.8	5.90	8.9	8.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS7	13:56:00	2.7	Bottom	3	2	29.60	8.00	26.60	89.4	5.90	8.8	9.2	

Project	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
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)6	13:48:00	1.0	Surface	1	1	29.30	8.00	26.80	86.1	5.70	7.0	7.7	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)6	13:48:00	1.0	Surface	1	2	29.60	8.00	26.50	86.9	5.70	6.9	8.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)6	13:48:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)6	13:48:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)6	13:48:00	2.6	Bottom	3	1	29.30	8.00	26.80	84.9	5.60	9.2	8.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS(Mf)6	13:48:00	2.6	Bottom	3	2	29.50	8.00	26.50	85.5	5.60	9.0	8.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS5	13:40:00	1.0	Surface	1	1	29.30	8.00	27.00	84.6	5.60	8.2	7.9	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS5	13:40:00	1.0	Surface	1	2	29.50	8.00	26.70	85.3	5.60	8.2	8.1	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS5	13:40:00	5.3	Middle	2	1	29.30	8.00	27.00	84.1	5.60	11.1	8.3	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS5	13:40:00	5.3	Middle	2	2	29.50	8.00	26.70	84.9	5.60	11.1	8	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS5	13:40:00	9.6	Bottom	3	1	29.20	8.00	27.10	83.1	5.50	15.2	13.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	IS5	13:40:00	9.6	Bottom	3	2	29.40	8.00	26.80	83.6	5.50	15.3	14.5	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR3(N)	13:33:00	1.0	Surface	1	1	29.40	8.00	27.00	87.3	5.80	6.3	6.4	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR3(N)	13:33:00	1.0	Surface	1	2	29.60	8.10	26.70	88.0	5.80	6.1	7	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR3(N)	13:33:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Ebb	Fine	SR3(N)	13:33:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Ebb	Fine	SR3(N)	13:33:00	2.5	Bottom	3	1	29.30	8.00	26.90	85.2	5.60	9.0	7.2	
HKBCF	2017-10-09	Mid-Ebb	Fine	SR3(N)	13:33:00	2.5	Bottom	3	2	29.50	8.10	26.70	85.7	5.60	9.1	6.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10A(N)	8:01:00	1.0	Surface	1	1	29.40	8.00	27.50	78.9	5.20	6.6	5.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10A(N)	8:01:00	1.0	Surface	1	2	29.60	8.00	27.20	79.7	5.20	6.3	6.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10A(N)	8:01:00	5.3	Middle	2	1	29.40	8.00	27.60	78.7	5.20	7.2	6.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10A(N)	8:01:00	5.3	Middle	2	2	29.60	8.00	27.30	79.4	5.20	7.0	6.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10A(N)	8:01:00	9.6	Bottom	3	1	29.40	8.00	27.60	79.3	5.20	7.2	8.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10A(N)	8:01:00	9.6	Bottom	3	2	29.60	8.00	27.30	79.7	5.20	6.8	7.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10B(N2)	8:11:00	1.0	Surface	1	1	29.20	8.00	29.20	73.7	4.80	13.2	14	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10B(N2)	8:11:00	1.0	Surface	1	2	29.50	8.00	28.90	74.5	4.80	13.2	15.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10B(N2)	8:11:00	3.6	Middle	2	1	29.20	8.00	29.20	73.8	4.80	13.7	16	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10B(N2)	8:11:00	3.6	Middle	2	2	29.50	8.00	28.90	74.5	4.80	13.8	17	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10B(N2)	8:11:00	6.1	Bottom	3	1	29.20	8.00	29.20	74.3	4.80	12.8	16.1	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR10B(N2)	8:11:00	6.1	Bottom	3	2	29.50	8.00	28.90	74.8	4.90	13.6	16.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CSA	8:11:00	1.0	Surface	1	1	29.70	7.90	26.60	83.4	5.50	7.5	5.8	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CSA	8:11:00	1.0	Surface	1	2	29.50	7.90	26.50	82.5	5.40	7.6	7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CSA	8:11:00	16.0	Middle	2	1	29.80	7.90	26.70	82.2	5.40	8.1	6.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CSA	8:11:00	16.0	Middle	2	2	29.50	7.90	26.60	81.4	5.40	7.9	6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CSA	8:11:00	30.9	Bottom	3	1	29.70	7.80	27.80	78.0	5.10	11.9	7.1	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CSA	8:11:00	30.9	Bottom	3	2	29.50	7.90	27.50	77.0	5.10	11.4	6.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS6	8:28:00	1.0	Surface	1	1	29.80	7.90	26.40	82.7	5.40	8.1	6.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS6	8:28:00	1.0	Surface	1	2	29.50	7.90	26.50	81.7	5.40	8.1	5.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS6	8:28:00	4.5	Middle	2	1	29.80	7.90	26.70	81.3	5.30	9.9	6.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS6	8:28:00	4.5	Middle	2	2	29.60	7.90	26.80	80.2	5.30	10.0	6.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS6	8:28:00	7.9	Bottom	3	1	29.80	7.90	27.00	80.8	5.30	10.7	6.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS6	8:28:00	7.9	Bottom	3	2	29.50	7.90	27.10	79.5	5.20	10.9	7.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS4	9:41:00	1.0	Surface	1	1	29.90	7.80	25.10	82.9	5.50	5.9	4.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS4	9:41:00	1.0	Surface	1	2	29.60	7.90	25.20	81.9	5.40	6.2	4.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS4	9:41:00	9.5	Middle	2	1	29.80	7.90	25.80	82.4	5.40	7.4	4.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS4	9:41:00	9.5	Middle	2	2	29.50	7.90	25.90	81.4	5.40	7.8	6.1	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS4	9:41:00	17.9	Bottom	3	1	29.70	7.90	26.10	83.8	5.50	7.1	6.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS4	9:41:00	17.9	Bottom	3	2	29.40	7.90	26.40	82.6	5.50	7.1	5.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR6	10:20:00	1.0	Surface	1	1	29.90	7.80	24.40	84.1	5.60	13.6	8.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR6	10:20:00	1.0	Surface	1	2	29.70	7.90	24.40	83.1	5.50	12.9	8.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR6	10:20:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR6	10:20:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR6	10:20:00	3.8	Bottom	3	1	29.80	7.90	26.20	86.4	5.70	17.1	9.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR6	10:20:00	3.8	Bottom	3	2	29.50	7.90	26.20	86.8	5.70	17.2	9.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)3(N)	9:59:00	1.0	Surface	1	1	29.80	8.00	22.90	80.4	5.40	9.4	5.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)3(N)	9:59:00	1.0	Surface	1	2	29.60	8.00	23.10	79.1	5.30	9.4	6.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)3(N)	9:59:00	3.6	Middle	2	1	29.80	7.90	23.20	80.7	5.40	11.3	9.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)3(N)	9:59:00	3.6	Middle	2	2	29.50	7.90	23.40	79.5	5.30	11.0	9.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)3(N)	9:59:00	6.2	Bottom	3	1	29.80	7.80	23.90	81.0	5.40	13.2	8.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)3(N)	9:59:00	6.2	Bottom	3	2	29.50	7.80	24.10	79.5	5.30	13.0	7.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR5(N)	9:22:00	1.0	Surface	1	1	29.70	7.90	25.80	83.2	5.50	11.9	12.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR5(N)	9:22:00	1.0	Surface	1	2	29.50	7.90	25.80	82.3	5.50	11.6	12.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR5(N)	9:22:00	4.9	Middle	2	1	29.70	7.90	25.90	82.7	5.50	14.3	14.8	

Project	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
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR5(N)	9:22:00	4.9	Middle	2	2	29.50	7.90	25.90	81.7	5.40	14.0	15.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR5(N)	9:22:00	8.7	Bottom	3	1	29.70	7.90	26.30	82.5	5.40	21.3	17	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR5(N)	9:22:00	8.7	Bottom	3	2	29.40	7.90	26.30	81.5	5.40	21.8	18.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS10(N)	9:06:00	1.0	Surface	1	1	29.60	7.90	26.10	84.0	5.50	9.6	8.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS10(N)	9:06:00	1.0	Surface	1	2	29.30	7.90	26.10	83.3	5.50	9.7	8.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS10(N)	9:06:00	6.1	Middle	2	1	29.60	7.90	26.40	82.1	5.40	14.0	13.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS10(N)	9:06:00	6.1	Middle	2	2	29.30	7.90	26.40	81.1	5.40	14.1	12.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS10(N)	9:06:00	11.1	Bottom	3	1	29.60	7.90	26.50	81.8	5.40	17.2	15.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS10(N)	9:06:00	11.1	Bottom	3	2	29.30	7.90	26.50	80.9	5.30	17.9	15.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)11	8:58:00	1.0	Surface	1	1	29.60	7.90	25.80	84.6	5.60	9.9	8.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)11	8:58:00	1.0	Surface	1	2	29.30	7.90	25.80	83.5	5.50	9.4	8.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)11	8:58:00	5.8	Middle	2	1	29.60	7.90	25.90	84.2	5.60	11.6	8.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)11	8:58:00	5.8	Middle	2	2	29.30	7.90	25.90	83.2	5.50	11.2	9.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)11	8:58:00	10.5	Bottom	3	1	29.50	7.90	25.90	83.8	5.50	15.4	8.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)11	8:58:00	10.5	Bottom	3	2	29.30	7.90	26.00	82.9	5.50	14.8	9.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)5	8:39:00	1.0	Surface	1	1	29.40	8.00	27.00	80.3	5.30	6.4	5.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)5	8:39:00	1.0	Surface	1	2	29.60	8.00	26.70	81.2	5.30	6.5	5.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)5	8:39:00	4.8	Middle	2	1	29.30	8.00	27.40	77.3	5.10	9.5	4.8	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)5	8:39:00	4.8	Middle	2	2	29.60	8.00	27.10	78.2	5.10	9.9	6.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)5	8:39:00	8.5	Bottom	3	1	29.40	8.00	28.10	75.4	4.90	19.1	9.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	CS(Mf)5	8:39:00	8.5	Bottom	3	2	29.60	8.00	27.80	76.1	5.00	23.2	8.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR7	8:47:00	1.0	Surface	1	1	29.70	7.90	26.00	83.5	5.50	20.9	12.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR7	8:47:00	1.0	Surface	1	2	29.40	7.90	26.00	82.4	5.50	20.9	11.1	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR7	8:47:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR7	8:47:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR7	8:47:00	3.6	Bottom	3	1	29.70	7.90	26.10	83.4	5.50	22.9	19.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR7	8:47:00	3.6	Bottom	3	2	29.40	7.90	26.10	82.3	5.40	22.5	18.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS17	9:01:00	1.0	Surface	1	1	29.40	8.00	26.30	82.5	5.50	5.4	4.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS17	9:01:00	1.0	Surface	1	2	29.60	8.00	26.10	83.3	5.50	5.3	5.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS17	9:01:00	4.5	Middle	2	1	29.40	8.00	26.50	81.8	5.40	6.5	5.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS17	9:01:00	4.5	Middle	2	2	29.60	8.00	26.20	82.6	5.40	6.2	4.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS17	9:01:00	7.9	Bottom	3	1	29.30	8.00	26.80	80.0	5.30	20.3	15.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS17	9:01:00	7.9	Bottom	3	2	29.60	8.00	26.60	80.5	5.30	20.7	15.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)16	9:09:00	1.0	Surface	1	1	29.30	8.00	26.10	82.6	5.50	5.1	4.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)16	9:09:00	1.0	Surface	1	2	29.50	8.00	26.30	81.7	5.40	5.2	4.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)16	9:09:00	3.3	Middle	2	1	29.30	8.00	26.60	80.8	5.30	7.4	4.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)16	9:09:00	3.3	Middle	2	2	29.50	8.00	26.30	81.5	5.40	7.1	5.1	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)16	9:09:00	5.5	Bottom	3	1	29.30	8.00	27.00	79.2	5.20	12.6	5.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)16	9:09:00	5.5	Bottom	3	2	29.50	8.00	26.70	79.5	5.20	12.9	5.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS8	9:35:00	1.0	Surface	1	1	29.30	8.00	26.80	80.6	5.30	12.4	9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS8	9:35:00	1.0	Surface	1	2	29.50	8.00	26.50	81.2	5.40	12.2	9.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS8	9:35:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS8	9:35:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS8	9:35:00	3.5	Bottom	3	1	29.20	8.00	26.80	80.5	5.30	14.4	10.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS8	9:35:00	3.5	Bottom	3	2	29.50	8.00	26.60	81.0	5.30	15.3	9.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR4(N)	9:29:00	1.0	Surface	1	1	29.30	8.00	26.90	78.6	5.20	14.4	16.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR4(N)	9:29:00	1.0	Surface	1	2	29.50	8.00	26.60	79.0	5.20	14.1	15.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR4(N)	9:29:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR4(N)	9:29:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR4(N)	9:29:00	3.1	Bottom	3	1	29.30	8.00	26.90	79.4	5.20	14.0	15.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR4(N)	9:29:00	3.1	Bottom	3	2	29.50	8.00	26.60	79.7	5.30	14.7	16.4	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)9	9:43:00	1.0	Surface	1	1	29.20	8.00	26.60	82.4	5.50	9.1	8.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)9	9:43:00	1.0	Surface	1	2	29.40	8.00	26.40	83.0	5.50	9.6	8.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)9	9:43:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)9	9:43:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)9	9:43:00	3.1	Bottom	3	1	29.10	8.00	26.70	81.5	5.40	11.9	7.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)9	9:43:00	3.1	Bottom	3	2	29.40	8.00	26.40	82.1	5.40	12.1	7.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS7	9:51:00	1.0	Surface	1	1	29.20	8.00	26.60	84.3	5.60	8.8	6.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS7	9:51:00	1.0	Surface	1	2	29.40	8.00	26.40	84.9	5.60	8.7	6.7	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS7	9:51:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS7	9:51:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS7	9:51:00	3.1	Bottom	3	1	29.20	8.00	26.80	85.1	5.60	10.0	9.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS7	9:51:00	3.1	Bottom	3	2	29.40	8.00	26.50	85.5	5.60	9.9	9.1	

Project	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
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)6	9:59:00	1.0	Surface	1	1	29.20	8.00	26.60	82.2	5.40	9.1	9.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)6	9:59:00	1.0	Surface	1	2	29.50	8.00	26.30	83.2	5.50	7.9	8.8	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)6	9:59:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)6	9:59:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)6	9:59:00	2.2	Bottom	3	1	29.20	8.00	26.90	84.2	5.60	11.4	10.1	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS(Mf)6	9:59:00	2.2	Bottom	3	2	29.40	8.00	26.60	84.8	5.60	11.6	9.3	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS5	10:06:00	1.0	Surface	1	1	29.20	8.00	26.70	82.7	5.50	8.2	6.8	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS5	10:06:00	1.0	Surface	1	2	29.40	8.00	26.40	83.4	5.50	8.2	6.8	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS5	10:06:00	4.9	Middle	2	1	29.10	8.00	26.80	82.8	5.50	9.0	8.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS5	10:06:00	4.9	Middle	2	2	29.40	8.00	26.50	83.4	5.50	8.8	7.8	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS5	10:06:00	8.7	Bottom	3	1	29.10	8.00	26.90	83.2	5.50	10.3	8.2	
HKBCF	2017-10-09	Mid-Flood	Cloudy	IS5	10:06:00	8.7	Bottom	3	2	29.40	8.00	26.60	83.9	5.50	10.4	7.5	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR3(N)	10:13:00	1.0	Surface	1	1	29.20	8.00	26.90	83.4	5.50	8.9	6.9	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR3(N)	10:13:00	1.0	Surface	1	2	29.40	8.00	26.60	83.9	5.50	8.6	7.8	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR3(N)	10:13:00		Middle	2	1								
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR3(N)	10:13:00		Middle	2	2								
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR3(N)	10:13:00	2.2	Bottom	3	1	29.20	8.00	26.90	83.7	5.50	9.4	9.6	
HKBCF	2017-10-09	Mid-Flood	Cloudy	SR3(N)	10:13:00	2.2	Bottom	3	2	29.40	8.00	26.60	84.0	5.50	9.3	8.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10A(N)	17:58:00	1.0	Surface	1	1	29.30	8.00	28.90	80.9	5.30	4.4	8.3	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10A(N)	17:58:00	1.0	Surface	1	2	29.60	8.00	28.60	81.9	5.30	4.4	6.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10A(N)	17:58:00	7.4	Middle	2	1	29.30	8.00	29.00	80.6	5.30	4.4	8.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10A(N)	17:58:00	7.4	Middle	2	2	29.60	8.00	28.70	81.4	5.30	5.0	7.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10A(N)	17:58:00	13.8	Bottom	3	1	29.30	8.00	29.00	80.5	5.20	4.2	7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10A(N)	17:58:00	13.8	Bottom	3	2	29.60	8.00	28.70	81.3	5.30	4.7	8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10B(N2)	17:51:00	1.0	Surface	1	1	29.40	8.00	29.00	81.1	5.30	4.5	8.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10B(N2)	17:51:00	1.0	Surface	1	2	29.60	8.00	28.70	81.9	5.30	5.3	8.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10B(N2)	17:51:00	5.7	Middle	2	1	29.40	8.00	29.00	81.0	5.30	4.3	8.3	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10B(N2)	17:51:00	5.7	Middle	2	2	29.60	8.00	28.70	81.8	5.30	5.1	7.2	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10B(N2)	17:51:00	10.4	Bottom	3	1	29.40	8.00	29.00	80.9	5.30	4.6	9.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR10B(N2)	17:51:00	10.4	Bottom	3	2	29.60	8.00	28.70	81.7	5.30	5.2	10.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CSA	17:05:00	1.0	Surface	1	1	29.80	7.90	27.60	92.1	6.00	2.8	6.5	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CSA	17:05:00	1.0	Surface	1	2	30.10	7.90	27.60	91.0	5.90	2.9	4.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CSA	17:05:00	16.0	Middle	2	1	29.30	7.90	29.20	80.1	5.20	4.9	5.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CSA	17:05:00	16.0	Middle	2	2	29.60	7.90	29.30	80.2	5.20	5.0	4.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CSA	17:05:00	30.9	Bottom	3	1	29.20	7.90	29.70	77.4	5.00	8.7	7.2	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CSA	17:05:00	30.9	Bottom	3	2	29.50	7.90	29.80	78.1	5.10	8.1	8.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS6	16:54:00	1.0	Surface	1	1	29.80	7.90	27.40	90.2	5.90	3.8	7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS6	16:54:00	1.0	Surface	1	2	30.00	7.90	27.40	89.5	5.80	3.6	6.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS6	16:54:00	5.2	Middle	2	1	29.60	7.90	27.60	84.9	5.60	6.6	7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS6	16:54:00	5.2	Middle	2	2	29.80	7.90	27.60	84.8	5.50	5.9	8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS6	16:54:00	9.3	Bottom	3	1	29.30	7.90	29.30	82.0	5.30	7.4	7.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS6	16:54:00	9.3	Bottom	3	2	29.50	7.90	29.30	83.0	5.40	7.2	6.2	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS4	15:55:00	1.0	Surface	1	1	29.70	7.90	24.60	90.0	6.00	5.8	11.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS4	15:55:00	1.0	Surface	1	2	30.00	7.90	24.60	89.4	5.90	6.9	10.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS4	15:55:00	9.5	Middle	2	1	29.40	7.90	27.10	84.5	5.60	8.1	11.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS4	15:55:00	9.5	Middle	2	2	29.70	7.90	27.20	84.0	5.50	8.7	12.2	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS4	15:55:00	18.0	Bottom	3	1	29.30	7.90	28.50	79.5	5.20	8.9	11.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS4	15:55:00	18.0	Bottom	3	2	29.50	7.90	28.60	80.6	5.30	9.6	12.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR6	17:21:00	1.0	Surface	1	1	29.80	7.90	26.50	96.3	6.30	6.4	9.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR6	17:21:00	1.0	Surface	1	2	30.00	7.90	26.30	95.1	6.20	6.4	8.5	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR6	17:21:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR6	17:21:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR6	17:21:00	4.2	Bottom	3	1	29.20	7.90	27.00	88.9	5.90	19.1	11.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR6	17:21:00	4.2	Bottom	3	2	29.40	7.90	26.70	89.3	5.90	20.6	12.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)3(N)	15:38:00	1.0	Surface	1	1	29.80	7.90	24.30	92.0	6.10	9.1	7.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)3(N)	15:38:00	1.0	Surface	1	2	30.10	7.90	23.90	91.7	6.10	9.3	6.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)3(N)	15:38:00	3.6	Middle	2	1	29.50	7.90	26.50	91.0	6.00	18.5	11.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)3(N)	15:38:00	3.6	Middle	2	2	29.80	7.90	26.20	90.7	6.00	19.1	10.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)3(N)	15:38:00	6.1	Bottom	3	1	29.30	7.90	27.20	89.9	5.90	34.1	11.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)3(N)	15:38:00	6.1	Bottom	3	2	29.60	7.90	26.80	89.9	5.90	37.6	10.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR5(N)	16:14:00	1.0	Surface	1	1	29.80	7.90	25.50	94.5	6.20	4.6	4.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR5(N)	16:14:00	1.0	Surface	1	2	30.00	7.90	25.50	93.3	6.10	4.9	5.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR5(N)	16:14:00	4.7	Middle	2	1	29.40	7.90	27.00	86.9	5.70	5.7	5.8	

Project	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
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR5(N)	16:14:00	4.7	Middle	2	2	29.70	7.90	27.00	86.5	5.70	5.7	6.3	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR5(N)	16:14:00	8.3	Bottom	3	1	29.30	7.90	28.00	82.8	5.40	7.5	5.5	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR5(N)	16:14:00	8.3	Bottom	3	2	29.50	7.90	28.00	83.5	5.50	7.3	5.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS10(N)	16:21:00	1.0	Surface	1	1	29.60	7.90	25.60	91.6	6.10	5.9	4.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS10(N)	16:21:00	1.0	Surface	1	2	29.90	7.90	25.50	90.3	6.00	5.8	4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS10(N)	16:21:00	6.2	Middle	2	1	29.30	7.90	27.40	83.7	5.50	13.0	8.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS10(N)	16:21:00	6.2	Middle	2	2	29.50	7.90	27.40	83.4	5.50	12.8	8.3	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS10(N)	16:21:00	11.3	Bottom	3	1	29.20	7.90	28.00	80.5	5.30	40.7	22.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS10(N)	16:21:00	11.3	Bottom	3	2	29.50	7.90	28.10	80.8	5.30	45.4	21.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)11	16:27:00	1.0	Surface	1	1	29.50	7.90	26.30	90.3	6.00	5.9	7.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)11	16:27:00	1.0	Surface	1	2	29.80	7.90	26.30	89.3	5.90	5.7	7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)11	16:27:00	5.7	Middle	2	1	29.30	7.90	27.00	85.4	5.60	9.3	8.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)11	16:27:00	5.7	Middle	2	2	29.60	7.90	27.00	85.0	5.60	9.6	7.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)11	16:27:00	10.4	Bottom	3	1	29.20	7.90	27.50	81.3	5.40	28.6	7.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)11	16:27:00	10.4	Bottom	3	2	29.50	7.90	27.50	81.6	5.40	29.8	9.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)5	17:17:00	1.0	Surface	1	1	29.60	8.00	27.20	90.0	5.90	4.2	5.2	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)5	17:17:00	1.0	Surface	1	2	29.80	8.00	26.90	91.7	6.00	4.6	5.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)5	17:17:00	7.1	Middle	2	1	29.20	8.00	28.80	78.6	5.10	5.5	9.5	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)5	17:17:00	7.1	Middle	2	2	29.50	8.00	28.50	79.7	5.20	6.0	9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)5	17:17:00	13.2	Bottom	3	1	29.20	8.00	29.20	78.0	5.10	8.7	10.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	CS(Mf)5	17:17:00	13.2	Bottom	3	2	29.40	8.00	28.90	78.7	5.10	9.6	10.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR7	16:36:00	1.0	Surface	1	1	29.40	7.90	27.10	87.1	5.70	7.8	7.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR7	16:36:00	1.0	Surface	1	2	29.70	7.90	27.10	87.1	5.70	8.0	6.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR7	16:36:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR7	16:36:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR7	16:36:00	3.2	Bottom	3	1	29.40	7.90	27.10	87.7	5.80	7.6	6.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR7	16:36:00	3.2	Bottom	3	2	29.70	7.90	27.10	88.1	5.80	8.1	6.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS17	16:59:00	1.0	Surface	1	1	29.20	8.00	27.60	80.2	5.30	12.9	13.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS17	16:59:00	1.0	Surface	1	2	29.50	8.00	27.30	81.1	5.30	13.7	13.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS17	16:59:00	5.5	Middle	2	1	29.20	8.00	27.60	79.4	5.20	14.0	21.2	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS17	16:59:00	5.5	Middle	2	2	29.50	8.00	27.30	80.3	5.30	14.8	20.2	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS17	16:59:00	9.9	Bottom	3	1	29.20	8.00	27.80	78.3	5.10	18.3	21.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS17	16:59:00	9.9	Bottom	3	2	29.50	8.00	27.50	79.2	5.20	18.9	21.2	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)16	16:46:00	1.0	Surface	1	1	29.40	8.00	27.10	86.8	5.70	5.3	8.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)16	16:46:00	1.0	Surface	1	2	29.70	8.00	26.80	87.9	5.80	6.0	8.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)16	16:46:00	3.7	Middle	2	1	29.40	8.00	27.50	84.8	5.60	5.0	7.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)16	16:46:00	3.7	Middle	2	2	29.60	8.00	27.20	86.0	5.60	5.6	8.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)16	16:46:00	6.4	Bottom	3	1	29.30	8.00	28.00	79.4	5.20	8.4	9.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)16	16:46:00	6.4	Bottom	3	2	29.50	8.00	27.70	80.4	5.30	9.4	8.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS8	16:15:00	1.0	Surface	1	1	29.80	8.00	26.60	94.4	6.20	8.4	13.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS8	16:15:00	1.0	Surface	1	2	30.00	8.00	26.30	96.0	6.30	9.1	13	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS8	16:15:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS8	16:15:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS8	16:15:00	4.4	Bottom	3	1	29.40	8.00	27.00	87.2	5.70	18.9	15.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS8	16:15:00	4.4	Bottom	3	2	29.60	8.00	26.70	88.7	5.80	20.0	17	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR4(N)	16:26:00	1.0	Surface	1	1	29.80	8.00	26.70	90.8	6.00	6.5	7.1	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR4(N)	16:26:00	1.0	Surface	1	2	30.00	8.00	26.40	92.4	6.00	7.2	6.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR4(N)	16:26:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR4(N)	16:26:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR4(N)	16:26:00	4.2	Bottom	3	1	29.60	8.00	26.80	89.0	5.80	9.5	6.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR4(N)	16:26:00	4.2	Bottom	3	2	29.90	8.00	26.50	90.1	5.90	9.5	6.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)9	16:03:00	1.0	Surface	1	1	29.80	8.00	26.90	98.2	6.40	4.1	4.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)9	16:03:00	1.0	Surface	1	2	30.10	8.00	26.60	99.9	6.50	4.6	6.5	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)9	16:03:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)9	16:03:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)9	16:03:00	3.5	Bottom	3	1	29.60	8.00	27.20	93.9	6.20	11.0	6.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)9	16:03:00	3.5	Bottom	3	2	29.90	8.00	26.90	95.5	6.20	11.6	5.3	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS7	15:56:00	1.0	Surface	1	1	29.90	8.00	26.80	98.3	6.40	5.9	8.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS7	15:56:00	1.0	Surface	1	2	30.20	8.00	26.50	99.8	6.50	7.0	8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS7	15:56:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS7	15:56:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS7	15:56:00	2.8	Bottom	3	1	29.90	8.00	26.90	98.0	6.40	6.4	8.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS7	15:56:00	2.8	Bottom	3	2	30.10	8.00	26.60	99.7	6.50	7.6	9.8	

Project	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
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)6	15:48:00	1.0	Surface	1	1	29.70	8.00	27.10	97.3	6.40	7.5	6.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)6	15:48:00	1.0	Surface	1	2	29.90	8.00	26.80	99.0	6.50	8.2	7.9	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)6	15:48:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)6	15:48:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)6	15:48:00	2.7	Bottom	3	1	29.40	8.00	27.20	92.7	6.10	8.6	7.3	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS(Mf)6	15:48:00	2.7	Bottom	3	2	29.60	8.00	27.00	94.2	6.20	9.0	7.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS5	15:32:00	1.0	Surface	1	1	29.40	8.00	27.40	91.1	6.00	6.5	6.5	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS5	15:32:00	1.0	Surface	1	2	29.60	8.00	27.10	92.3	6.10	7.3	6.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS5	15:32:00	5.2	Middle	2	1	29.20	8.00	27.50	87.3	5.80	9.9	10.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS5	15:32:00	5.2	Middle	2	2	29.40	8.00	27.20	88.5	5.80	10.4	11.7	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS5	15:32:00	9.4	Bottom	3	1	29.10	8.00	27.50	86.7	5.70	12.1	11.6	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	IS5	15:32:00	9.4	Bottom	3	2	29.40	8.00	27.20	87.8	5.80	12.5	12.4	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR3(N)	15:23:00	1.0	Surface	1	1	29.60	8.00	27.40	95.0	6.20	7.1	5.5	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR3(N)	15:23:00	1.0	Surface	1	2	29.90	8.00	27.10	95.8	6.30	7.8	5.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR3(N)	15:23:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR3(N)	15:23:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR3(N)	15:23:00	3.6	Bottom	3	1	29.30	8.00	27.50	88.5	5.80	14.1	8.8	
HKBCF	2017-10-11	Mid-Ebb	Cloudy	SR3(N)	15:23:00	3.6	Bottom	3	2	29.60	8.00	27.20	89.1	5.80	14.8	9.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10A(N)	10:16:00	1.0	Surface	1	1	29.30	8.00	27.90	82.6	5.40	6.0	8.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10A(N)	10:16:00	1.0	Surface	1	2	29.50	8.00	27.60	83.2	5.50	5.8	8.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10A(N)	10:16:00	5.9	Middle	2	1	29.30	8.00	27.90	81.8	5.40	6.9	7.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10A(N)	10:16:00	5.9	Middle	2	2	29.50	8.00	27.70	82.5	5.40	6.9	8.3	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10A(N)	10:16:00	10.7	Bottom	3	1	29.30	8.00	28.00	82.1	5.40	6.7	11.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10A(N)	10:16:00	10.7	Bottom	3	2	29.50	8.00	27.70	82.8	5.40	6.5	12.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10B(N2)	10:23:00	1.0	Surface	1	1	29.10	8.00	29.40	79.6	5.20	8.3	11.3	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10B(N2)	10:23:00	1.0	Surface	1	2	29.40	8.00	29.10	80.2	5.20	8.4	10.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10B(N2)	10:23:00	5.5	Middle	2	1	29.10	8.00	29.40	79.9	5.20	8.5	11.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10B(N2)	10:23:00	5.5	Middle	2	2	29.40	8.00	29.10	80.3	5.20	8.3	12.9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10B(N2)	10:23:00	10.0	Bottom	3	1	29.10	8.00	29.40	80.6	5.30	8.5	12.9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR10B(N2)	10:23:00	10.0	Bottom	3	2	29.40	8.00	29.10	80.7	5.30	8.7	13.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CSA	10:34:00	1.0	Surface	1	1	29.40	7.90	26.40	88.2	5.80	6.0	9.5	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CSA	10:34:00	1.0	Surface	1	2	29.70	7.90	26.80	87.2	5.70	6.0	8.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CSA	10:34:00	16.8	Middle	2	1	29.40	7.90	27.80	80.2	5.30	8.2	7.9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CSA	10:34:00	16.8	Middle	2	2	29.60	7.80	28.20	80.1	5.20	7.4	8.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CSA	10:34:00	32.5	Bottom	3	1	29.30	7.90	28.50	77.6	5.10	19.3	9.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CSA	10:34:00	32.5	Bottom	3	2	29.50	7.80	29.00	78.4	5.10	20.5	8.5	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS6	10:46:00	1.0	Surface	1	1	29.50	7.90	26.50	87.2	5.70	6.0	6.5	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS6	10:46:00	1.0	Surface	1	2	29.80	7.90	26.70	86.1	5.60	5.6	6.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS6	10:46:00	5.1	Middle	2	1	29.30	7.90	27.10	83.2	5.50	7.9	6.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS6	10:46:00	5.1	Middle	2	2	29.60	7.90	27.30	82.8	5.40	8.5	8.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS6	10:46:00	9.2	Bottom	3	1	29.40	7.90	27.60	81.1	5.30	11.9	7	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS6	10:46:00	9.2	Bottom	3	2	29.70	7.90	27.80	81.1	5.30	14.5	8.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS4	11:49:00	1.0	Surface	1	1	29.60	7.90	25.10	87.3	5.80	6.7	9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS4	11:49:00	1.0	Surface	1	2	29.90	7.80	25.10	86.5	5.70	6.6	7.9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS4	11:49:00	9.7	Middle	2	1	29.30	7.90	26.80	82.8	5.50	9.7	9.2	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS4	11:49:00	9.7	Middle	2	2	29.60	7.90	26.90	82.4	5.40	9.5	7.3	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS4	11:49:00	18.4	Bottom	3	1	29.30	7.90	28.10	78.7	5.20	26.3	8.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS4	11:49:00	18.4	Bottom	3	2	29.60	7.90	28.20	79.4	5.20	26.4	8.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR6	12:34:00	1.0	Surface	1	1	29.80	7.80	22.60	86.4	5.80	7.2	7.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR6	12:34:00	1.0	Surface	1	2	30.00	7.80	22.60	86.3	5.80	7.3	6.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR6	12:34:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR6	12:34:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR6	12:34:00	4.0	Bottom	3	1	29.20	7.90	26.00	86.5	5.70	21.8	12.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR6	12:34:00	4.0	Bottom	3	2	29.50	7.90	26.00	86.5	5.70	22.9	11.5	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)3(N)	12:12:00	1.0	Surface	1	1	29.80	7.80	22.60	88.1	5.90	5.9	8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)3(N)	12:12:00	1.0	Surface	1	2	30.00	7.80	22.60	87.8	5.90	5.9	7.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)3(N)	12:12:00	3.5	Middle	2	1	29.70	7.90	23.80	88.0	5.90	10.5	8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)3(N)	12:12:00	3.5	Middle	2	2	30.00	7.80	23.90	87.6	5.80	11.0	8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)3(N)	12:12:00	6.0	Bottom	3	1	29.60	7.80	24.20	86.5	5.80	22.3	11.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)3(N)	12:12:00	6.0	Bottom	3	2	29.90	7.80	24.20	86.8	5.80	23.2	12.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR5(N)	11:30:00	1.0	Surface	1	1	29.40	7.90	26.40	86.1	5.70	13.3	13.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR5(N)	11:30:00	1.0	Surface	1	2	29.60	7.90	26.50	85.7	5.60	13.8	15.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR5(N)	11:30:00	4.8	Middle	2	1	29.30	7.90	26.50	84.4	5.60	17.4	18.1	

Project	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
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR5(N)	11:30:00	4.8	Middle	2	2	29.50	7.90	26.60	84.1	5.50	17.9	18.3	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR5(N)	11:30:00	8.5	Bottom	3	1	29.30	7.90	26.90	82.0	5.40	31.9	18.7	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR5(N)	11:30:00	8.5	Bottom	3	2	29.50	7.90	27.00	81.9	5.40	35.2	18.9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS10(N)	11:21:00	1.0	Surface	1	1	29.40	7.90	26.00	90.7	6.00	6.5	6.2	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS10(N)	11:21:00	1.0	Surface	1	2	29.70	7.90	26.10	89.7	5.90	6.6	7.5	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS10(N)	11:21:00	6.4	Middle	2	1	29.20	7.90	26.90	85.6	5.70	15.3	11.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS10(N)	11:21:00	6.4	Middle	2	2	29.50	7.90	27.00	85.6	5.60	16.2	12.5	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS10(N)	11:21:00	11.7	Bottom	3	1	29.20	7.90	27.10	84.8	5.60	22.9	22.7	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS10(N)	11:21:00	11.7	Bottom	3	2	29.40	7.90	27.20	85.3	5.60	23.7	21.5	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)11	11:15:00	1.0	Surface	1	1	29.40	7.90	25.90	91.0	6.00	6.5	11.3	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)11	11:15:00	1.0	Surface	1	2	29.70	7.90	26.00	90.5	6.00	6.9	11.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)11	11:15:00	5.8	Middle	2	1	29.20	7.90	26.40	88.9	5.90	17.3	11.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)11	11:15:00	5.8	Middle	2	2	29.40	7.90	26.60	88.7	5.90	17.4	10.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)11	11:15:00	10.5	Bottom	3	1	29.10	7.90	26.50	88.6	5.90	22.4	11.2	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)11	11:15:00	10.5	Bottom	3	2	29.40	7.90	26.70	88.7	5.90	24.1	12.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)5	10:50:00	1.0	Surface	1	1	29.40	8.00	27.20	86.9	5.70	4.6	4.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)5	10:50:00	1.0	Surface	1	2	29.60	8.10	27.00	87.7	5.80	4.2	6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)5	10:50:00	5.3	Middle	2	1	29.10	8.00	27.60	81.2	5.40	7.9	5	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)5	10:50:00	5.3	Middle	2	2	29.40	8.10	27.30	81.8	5.40	7.9	6.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)5	10:50:00	9.6	Bottom	3	1	29.20	8.00	28.20	80.2	5.30	7.6	12.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	CS(Mf)5	10:50:00	9.6	Bottom	3	2	29.50	8.10	27.90	80.8	5.30	7.6	11.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR7	11:09:00	1.0	Surface	1	1	29.40	7.90	26.30	88.5	5.80	10.3	9.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR7	11:09:00	1.0	Surface	1	2	29.70	7.90	26.40	88.2	5.80	10.8	8.7	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR7	11:09:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR7	11:09:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR7	11:09:00	3.3	Bottom	3	1	29.30	7.90	26.60	87.0	5.80	17.2	12.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR7	11:09:00	3.3	Bottom	3	2	29.60	7.90	26.70	87.2	5.70	18.6	11.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS17	11:12:00	1.0	Surface	1	1	29.50	8.00	26.20	88.3	5.80	4.5	6.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS17	11:12:00	1.0	Surface	1	2	29.80	8.00	26.00	89.1	5.90	4.1	6.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS17	11:12:00	4.3	Middle	2	1	29.20	8.00	26.80	83.9	5.60	5.8	5.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS17	11:12:00	4.3	Middle	2	2	29.50	8.00	26.50	84.6	5.60	5.9	6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS17	11:12:00	7.6	Bottom	3	1	29.20	8.00	27.10	83.1	5.50	10.3	11.2	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS17	11:12:00	7.6	Bottom	3	2	29.40	8.00	26.80	83.6	5.50	10.5	10.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)16	11:20:00	1.0	Surface	1	1	29.30	8.00	26.70	87.4	5.80	5.6	7.2	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)16	11:20:00	1.0	Surface	1	2	29.60	8.00	26.40	88.2	5.80	5.3	7.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)16	11:20:00	3.1	Middle	2	1	29.30	8.00	26.70	87.4	5.80	6.2	8.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)16	11:20:00	3.1	Middle	2	2	29.50	8.00	26.50	88.2	5.80	6.3	7.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)16	11:20:00	5.1	Bottom	3	1	29.10	8.00	27.00	87.2	5.80	10.8	9.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)16	11:20:00	5.1	Bottom	3	2	29.40	8.00	26.80	87.9	5.80	12.5	10.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS8	11:47:00	1.0	Surface	1	1	29.50	8.00	26.40	89.9	5.90	5.3	5.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS8	11:47:00	1.0	Surface	1	2	29.80	8.00	26.10	90.7	6.00	5.2	5.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS8	11:47:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS8	11:47:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS8	11:47:00	2.8	Bottom	3	1	29.30	8.00	26.80	88.0	5.80	16.9	6.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS8	11:47:00	2.8	Bottom	3	2	29.60	8.00	26.50	89.0	5.90	15.0	7.9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR4(N)	11:41:00	1.0	Surface	1	1	29.50	8.00	26.40	90.7	6.00	6.4	8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR4(N)	11:41:00	1.0	Surface	1	2	29.80	8.00	26.20	91.4	6.00	6.1	8.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR4(N)	11:41:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR4(N)	11:41:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR4(N)	11:41:00	3.2	Bottom	3	1	29.30	8.00	26.90	86.4	5.70	6.9	11.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR4(N)	11:41:00	3.2	Bottom	3	2	29.60	8.00	26.60	87.0	5.70	6.8	13.1	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)9	11:58:00	1.0	Surface	1	1	29.30	8.00	27.10	89.1	5.90	7.3	9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)9	11:58:00	1.0	Surface	1	2	29.60	8.00	26.80	89.7	5.90	7.2	8.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)9	11:58:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)9	11:58:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)9	11:58:00	2.4	Bottom	3	1	29.20	8.00	27.30	87.7	5.80	9.4	8.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)9	11:58:00	2.4	Bottom	3	2	29.40	8.00	27.00	88.2	5.80	9.3	9.4	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS7	12:08:00	1.0	Surface	1	1	29.50	8.00	27.00	94.3	6.20	9.0	11.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS7	12:08:00	1.0	Surface	1	2	29.70	8.00	26.70	95.0	6.20	8.9	13	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS7	12:08:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS7	12:08:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS7	12:08:00	2.2	Bottom	3	1	29.30	8.00	27.20	93.9	6.20	8.4	13.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS7	12:08:00	2.2	Bottom	3	2	29.60	8.00	26.90	94.7	6.20	8.3	14.8	

Project	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
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)6	12:17:00	1.0	Surface	1	1	29.40	8.00	27.30	93.7	6.20	10.8	10.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)6	12:17:00	1.0	Surface	1	2	29.60	8.00	27.00	94.3	6.20	10.5	10.9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)6	12:17:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)6	12:17:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)6	12:17:00	2.1	Bottom	3	1	29.30	8.00	27.30	93.3	6.10	11.1	12.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS(Mf)6	12:17:00	2.1	Bottom	3	2	29.60	8.00	27.00	94.0	6.20	11.0	13.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS5	12:23:00	1.0	Surface	1	1	29.40	8.00	27.10	92.2	6.10	7.0	8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS5	12:23:00	1.0	Surface	1	2	29.70	8.00	26.80	93.0	6.10	7.2	9.7	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS5	12:23:00	4.8	Middle	2	1	29.10	8.00	27.40	89.4	5.90	7.7	8.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS5	12:23:00	4.8	Middle	2	2	29.30	8.00	27.10	90.0	5.90	7.4	8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS5	12:23:00	8.5	Bottom	3	1	29.10	8.00	27.40	89.5	5.90	7.8	11.7	
HKBCF	2017-10-11	Mid-Flood	Cloudty	IS5	12:23:00	8.5	Bottom	3	2	29.30	8.00	27.10	90.1	5.90	7.7	11.7	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR3(N)	12:40:00	1.0	Surface	1	1	29.40	8.00	27.40	91.0	6.00	7.5	11.8	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR3(N)	12:40:00	1.0	Surface	1	2	29.60	8.00	27.10	91.8	6.00	7.3	11.6	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR3(N)	12:40:00		Middle	2	1								
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR3(N)	12:40:00		Middle	2	2								
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR3(N)	12:40:00	2.0	Bottom	3	1	29.20	8.00	27.40	90.8	6.00	7.9	11.9	
HKBCF	2017-10-11	Mid-Flood	Cloudty	SR3(N)	12:40:00	2.0	Bottom	3	2	29.50	8.00	27.10	91.5	6.00	7.5	12.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10A(N)	4:51:00	1.0	Surface	1	1	29.10	8.00	30.30	82.3	5.40	3.3	2.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10A(N)	4:51:00	1.0	Surface	1	2	29.30	8.00	30.00	83.0	5.40	3.2	2.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10A(N)	4:51:00	8.7	Middle	2	1	29.10	8.00	30.60	82.1	5.30	3.7	2.9	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10A(N)	4:51:00	8.7	Middle	2	2	29.30	8.00	30.30	82.1	5.30	3.6	2.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10A(N)	4:51:00	16.4	Bottom	3	1	29.10	8.00	31.30	79.7	5.20	5.0	4.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10A(N)	4:51:00	16.4	Bottom	3	2	29.40	8.10	31.00	80.3	5.20	5.0	3.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10B(N2)	5:04:00	1.0	Surface	1	1	29.10	8.00	30.40	82.1	5.30	3.1	2.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10B(N2)	5:04:00	1.0	Surface	1	2	29.30	8.10	30.10	82.9	5.40	3.1	2.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10B(N2)	5:04:00	4.9	Middle	2	1	29.20	8.00	30.80	80.7	5.20	4.3	2.9	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10B(N2)	5:04:00	4.9	Middle	2	2	29.40	8.10	30.40	81.5	5.30	4.1	3	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10B(N2)	5:04:00	8.7	Bottom	3	1	29.20	8.00	31.10	80.1	5.20	6.1	4.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR10B(N2)	5:04:00	8.7	Bottom	3	2	29.40	8.10	30.80	80.7	5.20	6.2	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	CSA	5:20:00	1.0	Surface	1	1	29.30	7.90	29.90	82.6	5.40	3.1	5.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	CSA	5:20:00	1.0	Surface	1	2	29.00	7.90	30.20	82.4	5.40	3.0	4.9	
HKBCF	2017-10-13	Mid-Ebb	Fine	CSA	5:20:00	14.9	Middle	2	1	29.40	7.90	30.20	81.4	5.30	3.9	5.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	CSA	5:20:00	14.9	Middle	2	2	29.10	7.90	30.50	80.7	5.20	4.0	5.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	CSA	5:20:00	28.7	Bottom	3	1	29.40	7.90	30.50	80.7	5.20	5.8	9.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	CSA	5:20:00	28.7	Bottom	3	2	29.20	7.90	30.80	79.7	5.20	5.8	8.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS6	5:30:00	1.0	Surface	1	1	29.30	7.90	29.20	82.1	5.30	3.3	4.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS6	5:30:00	1.0	Surface	1	2	29.10	7.90	29.50	82.0	5.40	3.3	4.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS6	5:30:00	4.8	Middle	2	1	29.40	7.90	29.70	82.6	5.40	3.1	4.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS6	5:30:00	4.8	Middle	2	2	29.10	7.90	29.90	82.1	5.30	3.3	5.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS6	5:30:00	8.5	Bottom	3	1	29.40	7.90	30.50	81.7	5.30	3.7	4.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS6	5:30:00	8.5	Bottom	3	2	29.10	8.00	30.80	81.1	5.30	4.0	4.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS4	6:37:00	1.0	Surface	1	1	29.30	7.90	26.10	87.0	5.80	3.8	3.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS4	6:37:00	1.0	Surface	1	2	29.00	7.90	26.30	87.6	5.80	3.8	2.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS4	6:37:00	9.3	Middle	2	1	29.50	7.90	28.40	83.6	5.50	3.4	5.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS4	6:37:00	9.3	Middle	2	2	29.20	7.90	28.50	82.8	5.40	3.6	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS4	6:37:00	17.6	Bottom	3	1	29.50	7.90	30.20	80.4	5.20	5.7	7.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS4	6:37:00	17.6	Bottom	3	2	29.20	7.90	30.30	78.6	5.10	5.5	6	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR6	7:15:00	1.0	Surface	1	1	29.10	7.90	26.10	89.3	5.90	7.8	7.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR6	7:15:00	1.0	Surface	1	2	28.90	7.90	26.20	89.1	5.90	7.5	7.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR6	7:15:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	SR6	7:15:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	SR6	7:15:00	3.6	Bottom	3	1	29.30	7.90	30.20	87.3	5.70	14.8	13.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR6	7:15:00	3.6	Bottom	3	2	29.10	8.00	30.30	86.6	5.60	14.3	15.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)3(N)	6:51:00	1.0	Surface	1	1	29.00	7.90	25.40	93.3	6.20	3.6	5.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)3(N)	6:51:00	1.0	Surface	1	2	28.80	8.00	25.60	93.0	6.20	3.9	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)3(N)	6:51:00	3.5	Middle	2	1	29.10	7.90	25.80	92.6	6.20	4.5	4.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)3(N)	6:51:00	3.5	Middle	2	2	28.80	8.00	26.00	92.4	6.20	4.4	4.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)3(N)	6:51:00	5.9	Bottom	3	1	29.10	7.90	26.90	92.3	6.10	5.6	6.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)3(N)	6:51:00	5.9	Bottom	3	2	28.90	8.00	27.10	91.3	6.10	5.4	7.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR5(N)	6:14:00	1.0	Surface	1	1	28.90	7.90	25.60	84.7	5.70	3.2	4.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR5(N)	6:14:00	1.0	Surface	1	2	28.60	7.90	25.80	85.0	5.70	3.3	3.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR5(N)	6:14:00	4.5	Middle	2	1	29.30	7.90	27.30	83.0	5.50	3.5	4	

Project	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
HKBCF	2017-10-13	Mid-Ebb	Fine	SR5(N)	6:14:00	4.5	Middle	2	2	29.00	7.90	27.50	82.9	5.50	3.4	3.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR5(N)	6:14:00	7.9	Bottom	3	1	29.50	7.90	29.50	80.1	5.20	5.7	10.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR5(N)	6:14:00	7.9	Bottom	3	2	29.30	7.90	29.60	78.7	5.10	5.6	9.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS10(N)	6:06:00	1.0	Surface	1	1	28.90	7.90	25.40	84.7	5.70	3.8	3.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS10(N)	6:06:00	1.0	Surface	1	2	28.60	7.90	25.60	85.9	5.80	3.8	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS10(N)	6:06:00	6.0	Middle	2	1	29.50	7.90	29.10	79.7	5.20	5.8	4.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS10(N)	6:06:00	6.0	Middle	2	2	29.20	7.90	29.20	78.4	5.10	5.7	5.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS10(N)	6:06:00	10.9	Bottom	3	1	29.50	7.90	29.90	81.4	5.30	6.3	5.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS10(N)	6:06:00	10.9	Bottom	3	2	29.20	7.90	30.00	79.7	5.20	6.2	5.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)11	5:58:00	1.0	Surface	1	1	28.90	7.90	24.40	90.9	6.10	3.1	4.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)11	5:58:00	1.0	Surface	1	2	28.60	7.90	24.50	90.9	6.20	3.0	4.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)11	5:58:00	5.4	Middle	2	1	29.60	7.90	28.20	78.9	5.10	5.2	5.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)11	5:58:00	5.4	Middle	2	2	29.30	7.90	28.30	78.6	5.10	5.1	5.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)11	5:58:00	9.7	Bottom	3	1	29.50	7.90	29.30	79.4	5.20	5.9	5.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)11	5:58:00	9.7	Bottom	3	2	29.20	7.90	29.50	78.2	5.10	6.1	6.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)5	5:39:00	1.0	Surface	1	1	28.80	8.00	27.40	87.6	5.80	1.8	3.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)5	5:39:00	1.0	Surface	1	2	29.10	8.10	27.20	88.7	5.90	2.0	3.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)5	5:39:00	6.3	Middle	2	1	29.10	8.00	29.30	80.9	5.30	2.6	4.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)5	5:39:00	6.3	Middle	2	2	29.40	8.10	29.00	81.8	5.30	2.5	4.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)5	5:39:00	11.6	Bottom	3	1	29.10	8.00	30.40	79.7	5.20	3.2	5.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	CS(Mf)5	5:39:00	11.6	Bottom	3	2	29.40	8.10	30.10	79.9	5.20	3.2	4.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR7	5:51:00	1.0	Surface	1	1	29.20	7.90	25.80	84.8	5.60	3.4	4.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR7	5:51:00	1.0	Surface	1	2	28.90	7.90	26.00	85.3	5.70	3.7	4.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR7	5:51:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	SR7	5:51:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	SR7	5:51:00	3.3	Bottom	3	1	29.30	7.90	27.10	83.4	5.50	4.1	6	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR7	5:51:00	3.3	Bottom	3	2	29.00	7.90	27.40	83.6	5.50	3.9	5.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS17	6:03:00	1.0	Surface	1	1	29.10	8.00	28.00	76.9	5.10	5.0	5.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS17	6:03:00	1.0	Surface	1	2	29.40	8.00	26.30	78.7	5.20	4.9	4.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS17	6:03:00	5.8	Middle	2	1	29.20	8.00	29.80	76.5	5.00	5.0	6.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS17	6:03:00	5.8	Middle	2	2	29.50	8.00	29.50	76.9	5.00	5.0	7.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS17	6:03:00	10.5	Bottom	3	1	29.20	8.00	30.30	77.6	5.00	6.0	11.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS17	6:03:00	10.5	Bottom	3	2	29.40	8.00	30.00	77.7	5.00	5.9	9.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)16	6:10:00	1.0	Surface	1	1	28.70	8.00	26.20	88.2	5.90	4.9	5.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)16	6:10:00	1.0	Surface	1	2	29.00	8.00	26.00	89.4	6.00	4.9	4.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)16	6:10:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)16	6:10:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)16	6:10:00	3.9	Bottom	3	1	29.30	8.00	28.10	81.1	5.30	5.9	5.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)16	6:10:00	3.9	Bottom	3	2	29.50	8.00	27.90	81.3	5.30	5.9	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS8	6:36:00	1.0	Surface	1	1	28.90	8.00	26.00	88.9	5.90	5.0	3	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS8	6:36:00	1.0	Surface	1	2	29.10	8.00	25.80	89.7	6.00	5.0	3.9	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS8	6:36:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS8	6:36:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS8	6:36:00	2.8	Bottom	3	1	29.00	8.00	26.10	89.1	5.90	5.1	5.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS8	6:36:00	2.8	Bottom	3	2	29.20	8.00	25.90	90.0	6.00	5.0	6.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR4(N)	6:30:00	1.0	Surface	1	1	29.20	7.90	26.00	80.1	5.30	5.7	4.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR4(N)	6:30:00	1.0	Surface	1	2	29.40	8.00	25.70	80.9	5.40	5.7	4.9	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR4(N)	6:30:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	SR4(N)	6:30:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	SR4(N)	6:30:00	2.2	Bottom	3	1	29.20	7.90	26.10	80.3	5.30	6.5	4.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR4(N)	6:30:00	2.2	Bottom	3	2	29.50	8.00	25.80	80.6	5.30	6.5	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)9	6:45:00	1.0	Surface	1	1	28.70	8.00	26.50	89.0	5.90	6.2	5.9	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)9	6:45:00	1.0	Surface	1	2	29.00	8.00	26.20	90.0	6.00	6.0	5.9	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)9	6:45:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)9	6:45:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)9	6:45:00	2.7	Bottom	3	1	29.10	8.00	26.80	88.9	5.90	8.7	5.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)9	6:45:00	2.7	Bottom	3	2	29.30	8.00	26.50	89.3	5.90	8.7	6.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS7	6:54:00	1.0	Surface	1	1	29.20	8.00	26.80	91.1	6.00	4.1	4.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS7	6:54:00	1.0	Surface	1	2	29.40	8.00	26.50	91.8	6.10	4.0	2.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS7	6:54:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS7	6:54:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS7	6:54:00	2.1	Bottom	3	1	29.10	8.00	26.80	91.3	6.00	4.3	3.2	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS7	6:54:00	2.1	Bottom	3	2	29.30	8.00	26.50	91.7	6.10	4.3	4.7	

Project	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
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)6	7:02:00	1.0	Surface	1	1	29.30	8.00	27.10	89.1	5.90	6.6	3.9	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)6	7:02:00	1.0	Surface	1	2	29.50	8.00	26.80	89.7	5.90	6.6	5.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)6	7:02:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)6	7:02:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)6	7:02:00	2.2	Bottom	3	1	29.30	8.00	27.10	89.4	5.90	6.7	4.1	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS(Mf)6	7:02:00	2.2	Bottom	3	2	29.50	8.00	26.80	89.9	5.90	6.7	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS5	7:10:00	1.0	Surface	1	1	29.20	8.00	27.30	87.3	5.80	4.7	4.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS5	7:10:00	1.0	Surface	1	2	29.40	8.00	26.90	88.4	5.80	4.7	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS5	7:10:00	3.9	Middle	2	1	29.30	8.00	27.70	86.3	5.70	6.1	4.5	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS5	7:10:00	3.9	Middle	2	2	29.50	8.00	27.40	87.4	5.70	6.1	3.4	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS5	7:10:00	6.8	Bottom	3	1	29.20	8.00	28.90	83.9	5.50	12.8	12.8	
HKBCF	2017-10-13	Mid-Ebb	Fine	IS5	7:10:00	6.8	Bottom	3	2	29.40	8.00	28.60	84.6	5.50	12.6	12.7	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR3(N)	7:17:00	1.0	Surface	1	1	28.90	8.00	27.00	89.7	5.90	5.6	5.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR3(N)	7:17:00	1.0	Surface	1	2	29.20	8.00	26.80	90.4	6.00	5.5	6.6	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR3(N)	7:17:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Ebb	Fine	SR3(N)	7:17:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Ebb	Fine	SR3(N)	7:17:00	3.5	Bottom	3	1	28.90	8.00	27.10	89.4	5.90	7.1	8.3	
HKBCF	2017-10-13	Mid-Ebb	Fine	SR3(N)	7:17:00	3.5	Bottom	3	2	29.20	8.00	26.80	90.1	6.00	7.0	7.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10A(N)	15:30:00	1.0	Surface	1	1	29.10	8.00	30.50	79.5	5.20	5.1	4.9	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10A(N)	15:30:00	1.0	Surface	1	2	29.30	8.00	30.20	79.9	5.20	5.1	5.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10A(N)	15:30:00	8.5	Middle	2	1	29.10	8.00	31.10	81.6	5.30	8.0	7.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10A(N)	15:30:00	8.5	Middle	2	2	29.30	8.00	30.70	82.2	5.30	7.9	6.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10A(N)	15:30:00	15.9	Bottom	3	1	29.10	8.00	31.10	81.7	5.30	11.9	7.8	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10A(N)	15:30:00	15.9	Bottom	3	2	29.30	8.00	30.80	82.2	5.30	11.9	6.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10B(N2)	15:25:00	1.0	Surface	1	1	29.20	8.00	31.00	83.3	5.40	5.0	6.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10B(N2)	15:25:00	1.0	Surface	1	2	29.50	8.00	30.70	83.8	5.40	4.8	6.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10B(N2)	15:25:00	4.8	Middle	2	1	29.20	8.00	31.00	83.8	5.40	5.6	7.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10B(N2)	15:25:00	4.8	Middle	2	2	29.50	8.00	30.70	83.9	5.40	5.6	6	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10B(N2)	15:25:00	8.6	Bottom	3	1	29.20	8.00	31.00	84.4	5.50	7.0	5.9	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR10B(N2)	15:25:00	8.6	Bottom	3	2	29.50	8.00	30.70	84.7	5.50	6.8	5.9	
HKBCF	2017-10-13	Mid-Flood	Sunny	CSA	15:12:00	1.0	Surface	1	1	29.20	7.90	30.40	85.7	5.60	3.7	5.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	CSA	15:12:00	1.0	Surface	1	2	29.40	7.90	30.20	85.9	5.60	3.7	4.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	CSA	15:12:00	14.5	Middle	2	1	29.10	7.90	30.70	83.1	5.40	6.8	7.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	CSA	15:12:00	14.5	Middle	2	2	29.40	7.90	30.60	83.7	5.40	6.8	7	
HKBCF	2017-10-13	Mid-Flood	Sunny	CSA	15:12:00	28.0	Bottom	3	1	29.10	7.90	31.00	82.0	5.30	9.5	7.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	CSA	15:12:00	28.0	Bottom	3	2	29.40	7.90	30.80	82.9	5.30	10.4	9	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS6	15:03:00	1.0	Surface	1	1	29.20	7.90	28.10	90.2	5.90	1.9	3.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS6	15:03:00	1.0	Surface	1	2	29.40	7.90	28.00	89.9	5.90	1.9	2.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS6	15:03:00	4.5	Middle	2	1	29.10	7.90	29.80	85.6	5.60	3.5	3	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS6	15:03:00	4.5	Middle	2	2	29.30	7.90	29.70	86.2	5.60	3.6	3.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS6	15:03:00	7.9	Bottom	3	1	29.10	7.90	30.20	83.7	5.40	6.8	5.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS6	15:03:00	7.9	Bottom	3	2	29.30	7.90	30.10	85.5	5.50	7.4	5.8	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS4	13:53:00	1.0	Surface	1	1	29.30	8.00	27.20	90.7	6.00	3.6	4	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS4	13:53:00	1.0	Surface	1	2	29.60	7.90	27.00	89.5	5.90	3.5	3.8	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS4	13:53:00	9.0	Middle	2	1	29.20	7.90	28.60	82.6	5.40	4.5	5.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS4	13:53:00	9.0	Middle	2	2	29.50	7.90	28.40	82.8	5.40	4.9	4.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS4	13:53:00	17.0	Bottom	3	1	29.20	7.90	30.00	78.9	5.10	13.4	4.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS4	13:53:00	17.0	Bottom	3	2	29.50	7.90	29.80	79.9	5.20	13.7	4.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR6	13:17:00	1.0	Surface	1	1	29.30	7.90	26.10	87.7	5.80	6.5	7.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR6	13:17:00	1.0	Surface	1	2	29.60	7.90	25.80	88.1	5.80	6.2	6.3	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR6	13:17:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	SR6	13:17:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	SR6	13:17:00	3.3	Bottom	3	1	29.30	7.90	26.10	87.6	5.80	6.7	9.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR6	13:17:00	3.3	Bottom	3	2	29.60	7.90	25.70	87.9	5.80	6.7	9.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)3(N)	13:38:00	1.0	Surface	1	1	29.50	7.90	27.00	90.7	6.00	4.3	6.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)3(N)	13:38:00	1.0	Surface	1	2	29.80	7.90	26.70	90.7	5.90	4.4	7.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)3(N)	13:38:00	3.4	Middle	2	1	29.50	7.90	27.00	90.1	5.90	4.6	8.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)3(N)	13:38:00	3.4	Middle	2	2	29.80	7.90	26.70	90.6	5.90	4.7	8.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)3(N)	13:38:00	5.7	Bottom	3	1	29.40	7.90	27.10	88.9	5.90	5.9	9.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)3(N)	13:38:00	5.7	Bottom	3	2	29.70	7.90	26.80	89.6	5.90	6.1	9.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR5(N)	14:18:00	1.0	Surface	1	1	29.30	7.90	27.30	90.2	5.90	5.5	4.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR5(N)	14:18:00	1.0	Surface	1	2	29.50	7.90	27.00	90.0	5.90	5.4	3.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR5(N)	14:18:00	3.9	Middle	2	1	29.20	7.90	27.80	87.6	5.80	10.1	6.4	

Project	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
HKBCF	2017-10-13	Mid-Flood	Sunny	SR5(N)	14:18:00	3.9	Middle	2	2	29.50	7.90	27.50	88.3	5.80	10.0	7.3	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR5(N)	14:18:00	6.8	Bottom	3	1	29.20	7.90	27.90	87.2	5.70	14.1	12.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR5(N)	14:18:00	6.8	Bottom	3	2	29.50	7.90	27.60	88.5	5.80	14.7	11.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS10(N)	14:25:00	1.0	Surface	1	1	29.10	7.90	27.20	88.7	5.90	7.3	6.8	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS10(N)	14:25:00	1.0	Surface	1	2	29.40	7.90	27.00	87.9	5.80	7.3	5.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS10(N)	14:25:00	5.8	Middle	2	1	29.10	7.90	28.00	83.4	5.50	10.5	6.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS10(N)	14:25:00	5.8	Middle	2	2	29.40	7.90	27.90	83.7	5.50	11.2	6.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS10(N)	14:25:00	10.5	Bottom	3	1	29.20	7.90	29.20	78.5	5.10	15.3	8.9	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS10(N)	14:25:00	10.5	Bottom	3	2	29.50	7.90	29.00	79.5	5.20	15.5	10	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)11	14:32:00	1.0	Surface	1	1	29.20	7.90	27.00	87.3	5.80	7.7	7.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)11	14:32:00	1.0	Surface	1	2	29.50	7.90	26.90	86.6	5.70	7.5	6.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)11	14:32:00	5.3	Middle	2	1	29.10	7.90	28.10	83.8	5.50	9.7	8.3	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)11	14:32:00	5.3	Middle	2	2	29.40	7.90	28.00	83.6	5.50	10.2	7.8	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)11	14:32:00	9.6	Bottom	3	1	29.20	7.90	29.10	78.0	5.10	18.5	15.9	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)11	14:32:00	9.6	Bottom	3	2	29.50	7.90	29.00	78.9	5.10	18.5	15.3	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)5	14:49:00	1.0	Surface	1	1	29.00	8.00	28.30	87.6	5.80	2.3	2.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)5	14:49:00	1.0	Surface	1	2	29.30	8.00	28.00	89.0	5.80	2.1	2.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)5	14:49:00	6.2	Middle	2	1	29.00	8.00	30.50	80.8	5.20	7.8	2.8	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)5	14:49:00	6.2	Middle	2	2	29.30	8.00	30.20	81.3	5.30	7.8	2.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)5	14:49:00	11.3	Bottom	3	1	29.00	8.00	30.60	80.9	5.30	18.9	7.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	CS(Mf)5	14:49:00	11.3	Bottom	3	2	29.30	8.00	30.30	81.2	5.30	19.1	8.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR7	14:41:00	1.0	Surface	1	1	29.20	7.90	28.20	84.8	5.60	9.3	3.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR7	14:41:00	1.0	Surface	1	2	29.50	7.90	28.10	84.9	5.60	9.5	3.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR7	14:41:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	SR7	14:41:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	SR7	14:41:00	3.1	Bottom	3	1	29.20	7.90	28.60	84.1	5.50	11.6	7.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR7	14:41:00	3.1	Bottom	3	2	29.50	7.90	28.50	85.4	5.60	12.5	8.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS17	14:28:00	1.0	Surface	1	1	29.20	8.00	26.90	90.5	6.00	3.0	3.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS17	14:28:00	1.0	Surface	1	2	29.50	8.00	26.60	92.2	6.10	2.9	4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS17	14:28:00	5.6	Middle	2	1	29.20	8.00	28.30	80.8	5.30	4.4	4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS17	14:28:00	5.6	Middle	2	2	29.40	8.00	28.00	81.6	5.30	4.4	3.3	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS17	14:28:00	10.2	Bottom	3	1	29.20	8.00	29.80	76.6	5.00	12.5	4.3	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS17	14:28:00	10.2	Bottom	3	2	29.40	8.00	29.50	76.3	5.00	12.4	3.9	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)16	14:20:00	1.0	Surface	1	1	29.20	8.00	26.90	92.9	6.10	4.6	5.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)16	14:20:00	1.0	Surface	1	2	29.50	8.00	26.60	94.1	6.20	4.6	5.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)16	14:20:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)16	14:20:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)16	14:20:00	4.6	Bottom	3	1	29.10	8.00	27.40	88.3	5.80	8.3	5.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)16	14:20:00	4.6	Bottom	3	2	29.40	8.00	27.10	88.7	5.80	8.3	5.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS8	13:55:00	1.0	Surface	1	1	29.20	8.00	26.70	92.5	6.10	6.5	7.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS8	13:55:00	1.0	Surface	1	2	29.40	8.10	26.40	93.4	6.20	6.5	8.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS8	13:55:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS8	13:55:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS8	13:55:00	2.8	Bottom	3	1	29.10	8.00	26.80	90.9	6.00	15.4	8.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS8	13:55:00	2.8	Bottom	3	2	29.40	8.00	26.50	91.5	6.00	15.4	9	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR4(N)	14:02:00	1.0	Surface	1	1	29.20	8.00	26.40	90.9	6.00	11.0	7.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR4(N)	14:02:00	1.0	Surface	1	2	29.40	8.00	26.10	91.3	6.00	10.9	8.9	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR4(N)	14:02:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	SR4(N)	14:02:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	SR4(N)	14:02:00	2.8	Bottom	3	1	29.10	8.00	26.60	91.9	6.10	12.9	14.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR4(N)	14:02:00	2.8	Bottom	3	2	29.30	8.00	26.30	90.6	6.00	12.9	13.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)9	13:45:00	1.0	Surface	1	1	29.30	8.00	26.60	92.5	6.10	10.2	9.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)9	13:45:00	1.0	Surface	1	2	29.50	8.00	26.30	93.5	6.20	10.1	8.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)9	13:45:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)9	13:45:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)9	13:45:00	2.2	Bottom	3	1	29.20	8.00	26.80	89.8	5.90	13.8	8.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)9	13:45:00	2.2	Bottom	3	2	29.40	8.00	26.60	90.3	6.00	13.8	9.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS7	13:37:00		Surface	1	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS7	13:37:00		Surface	1	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS7	13:37:00	1.4	Middle	2	1	29.50	8.00	26.80	100.4	6.60	6.4	6.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS7	13:37:00	1.4	Middle	2	2	29.70	8.10	26.50	100.9	6.60	6.3	7.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS7	13:37:00		Bottom	3	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS7	13:37:00		Bottom	3	2								

Project	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
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)6	13:28:00		Surface	1	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)6	13:28:00		Surface	1	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)6	13:28:00	1.5	Middle	2	1	29.50	8.00	26.70	99.7	6.60	12.4	13.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)6	13:28:00	1.5	Middle	2	2	29.70	8.10	26.40	100.5	6.60	12.4	11.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)6	13:28:00		Bottom	3	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS(Mf)6	13:28:00		Bottom	3	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	IS5	13:20:00	1.0	Surface	1	1	29.40	8.00	26.70	97.7	6.40	6.4	5.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS5	13:20:00	1.0	Surface	1	2	29.70	8.10	26.50	98.8	6.50	6.3	6.3	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS5	13:20:00	4.1	Middle	2	1	29.40	8.00	26.90	95.3	6.30	7.8	6.5	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS5	13:20:00	4.1	Middle	2	2	29.60	8.10	26.60	96.2	6.30	7.8	5.4	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS5	13:20:00	7.1	Bottom	3	1	29.30	8.00	27.00	95.2	6.30	7.8	7.6	
HKBCF	2017-10-13	Mid-Flood	Sunny	IS5	13:20:00	7.1	Bottom	3	2	29.60	8.10	26.70	95.8	6.30	7.8	8.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR3(N)	13:10:00	1.0	Surface	1	1	29.40	8.00	26.90	95.9	6.30	8.1	7.1	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR3(N)	13:10:00	1.0	Surface	1	2	29.60	8.10	26.60	96.7	6.40	8.0	8.2	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR3(N)	13:10:00		Middle	2	1								
HKBCF	2017-10-13	Mid-Flood	Sunny	SR3(N)	13:10:00		Middle	2	2								
HKBCF	2017-10-13	Mid-Flood	Sunny	SR3(N)	13:10:00	3.1	Bottom	3	1	29.40	8.00	26.90	95.8	6.30	9.3	7.7	
HKBCF	2017-10-13	Mid-Flood	Sunny	SR3(N)	13:10:00	3.1	Bottom	3	2	29.60	8.10	26.60	96.5	6.30	9.3	9.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10A(N)	8:58:00	1.0	Surface	1	1	27.90	8.10	32.50	87.6	5.70	4.9	3.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10A(N)	8:58:00	1.0	Surface	1	2	28.20	8.10	32.20	88.4	5.80	4.6	3.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10A(N)	8:58:00	6.3	Middle	2	1	27.90	8.10	32.50	87.7	5.70	5.0	7.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10A(N)	8:58:00	6.3	Middle	2	2	28.10	8.10	32.20	88.4	5.80	4.5	6.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10A(N)	8:58:00	11.6	Bottom	3	1	27.90	8.00	32.50	88.0	5.80	5.1	10.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10A(N)	8:58:00	11.6	Bottom	3	2	28.10	8.10	32.20	88.5	5.80	4.7	11.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10B(N2)	9:05:00	1.0	Surface	1	1	27.90	8.10	32.50	86.3	5.70	7.8	12.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10B(N2)	9:05:00	1.0	Surface	1	2	28.10	8.10	32.20	87.1	5.70	7.6	13.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10B(N2)	9:05:00	3.9	Middle	2	1	27.90	8.10	32.50	86.3	5.60	7.5	14.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10B(N2)	9:05:00	3.9	Middle	2	2	28.10	8.10	32.20	87.1	5.70	7.7	12.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10B(N2)	9:05:00	6.8	Bottom	3	1	27.90	8.10	32.50	86.1	5.60	11.0	13.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR10B(N2)	9:05:00	6.8	Bottom	3	2	28.10	8.10	32.20	86.9	5.70	10.3	13.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CSA	9:19:00	1.0	Surface	1	1	28.10	7.90	32.20	90.6	5.90	2.4	3.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CSA	9:19:00	1.0	Surface	1	2	27.80	8.00	31.90	90.7	6.00	2.5	3.1	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CSA	9:19:00	16.7	Middle	2	1	28.20	7.90	32.30	88.5	5.80	3.6	7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CSA	9:19:00	16.7	Middle	2	2	27.90	8.00	31.90	88.2	5.80	3.8	6.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CSA	9:19:00	32.4	Bottom	3	1	28.20	7.90	32.40	88.3	5.80	3.5	7.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CSA	9:19:00	32.4	Bottom	3	2	28.00	8.00	31.80	87.5	5.70	3.9	8.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS6	9:41:00	1.0	Surface	1	1	27.80	7.90	31.90	92.3	6.10	4.5	6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS6	9:41:00	1.0	Surface	1	2	27.50	8.00	31.90	92.4	6.10	4.6	7.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS6	9:41:00	5.2	Middle	2	1	27.80	7.90	31.90	91.5	6.00	8.1	6.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS6	9:41:00	5.2	Middle	2	2	27.50	8.00	31.90	91.4	6.00	7.9	6.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS6	9:41:00	9.4	Bottom	3	1	27.80	7.90	31.90	91.6	6.00	13.3	13	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS6	9:41:00	9.4	Bottom	3	2	27.60	8.00	31.90	91.1	6.00	13.3	14.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS4	10:45:00	1.0	Surface	1	1	27.10	8.00	31.20	94.6	6.30	6.1	5.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS4	10:45:00	1.0	Surface	1	2	26.90	8.00	31.20	95.0	6.40	5.8	6.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS4	10:45:00	9.2	Middle	2	1	27.40	8.00	31.50	90.5	6.00	12.7	10.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS4	10:45:00	9.2	Middle	2	2	27.10	8.00	31.60	90.6	6.00	11.4	11	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS4	10:45:00	17.4	Bottom	3	1	27.70	7.90	31.70	90.6	6.00	19.6	11.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS4	10:45:00	17.4	Bottom	3	2	27.50	8.00	31.80	89.9	6.00	19.0	11.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR6	11:18:00	1.0	Surface	1	1	27.40	8.00	32.00	95.0	6.30	20.0	20.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR6	11:18:00	1.0	Surface	1	2	27.10	8.00	32.10	95.3	6.30	19.1	20.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR6	11:18:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR6	11:18:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR6	11:18:00	3.6	Bottom	3	1	27.40	8.00	31.80	94.5	6.30	36.1	20.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR6	11:18:00	3.6	Bottom	3	2	27.10	8.00	32.10	94.6	6.30	31.7	20.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)3(N)	10:59:00	1.0	Surface	1	1	27.40	8.00	31.90	95.2	6.30	9.0	6.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)3(N)	10:59:00	1.0	Surface	1	2	27.10	8.00	31.80	95.5	6.40	7.5	6.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)3(N)	10:59:00	3.6	Middle	2	1	27.40	8.00	31.80	94.7	6.30	8.8	5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)3(N)	10:59:00	3.6	Middle	2	2	27.10	8.00	31.90	94.9	6.30	8.3	5.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)3(N)	10:59:00	6.2	Bottom	3	1	27.30	7.90	31.70	93.6	6.20	14.7	7.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)3(N)	10:59:00	6.2	Bottom	3	2	27.00	8.00	31.90	93.7	6.20	13.5	7.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR5(N)	10:24:00	1.0	Surface	1	1	27.70	7.90	31.60	92.6	6.10	8.8	9.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR5(N)	10:24:00	1.0	Surface	1	2	27.40	8.00	31.40	92.9	6.20	8.2	10.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR5(N)	10:24:00	4.8	Middle	2	1	27.50	7.90	31.60	91.6	6.10	19.2	12	

Project	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
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR5(N)	10:24:00	4.8	Middle	2	2	27.20	8.00	31.40	91.7	6.10	18.2	13.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR5(N)	10:24:00	8.6	Bottom	3	1	27.50	7.90	31.50	91.5	6.10	33.5	28.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR5(N)	10:24:00	8.6	Bottom	3	2	27.20	8.00	31.40	91.2	6.10	33.2	27.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS10(N)	10:17:00	1.0	Surface	1	1	27.80	7.90	31.80	92.7	6.10	6.3	6.1	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS10(N)	10:17:00	1.0	Surface	1	2	27.50	8.00	31.50	92.5	6.10	6.1	7.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS10(N)	10:17:00	5.8	Middle	2	1	27.50	7.90	31.70	92.4	6.10	9.4	7.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS10(N)	10:17:00	5.8	Middle	2	2	27.30	8.00	31.50	92.1	6.10	9.0	6.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS10(N)	10:17:00	10.6	Bottom	3	1	27.30	7.90	31.80	92.3	6.10	28.2	15.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS10(N)	10:17:00	10.6	Bottom	3	2	27.00	8.00	31.60	92.1	6.20	28.4	14.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	1.0	Surface	1	1	27.70	7.90	31.60	92.3	6.10	6.0	5.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	1.0	Surface	1	2	27.50	8.00	31.40	92.3	6.10	6.0	4.1	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	5.4	Middle	2	1	27.70	7.90	31.80	91.2	6.00	10.3	7.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	5.4	Middle	2	2	27.40	8.00	31.50	91.0	6.00	9.7	6.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	9.7	Bottom	3	1	27.30	7.90	31.80	91.6	6.10	21.3	12.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)11	10:10:00	9.7	Bottom	3	2	27.10	8.00	31.60	91.3	6.10	20.4	13.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)5	9:38:00	1.0	Surface	1	1	27.80	8.10	32.30	88.6	5.80	4.1	6.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)5	9:38:00	1.0	Surface	1	2	28.10	8.10	32.00	89.4	5.90	3.7	5.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)5	9:38:00	5.3	Middle	2	1	27.90	8.10	32.40	88.2	5.80	4.7	5.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)5	9:38:00	5.3	Middle	2	2	28.10	8.20	32.10	89.0	5.80	4.7	7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)5	9:38:00	9.5	Bottom	3	1	27.90	8.10	32.40	88.3	5.80	4.8	6.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	CS(Mf)5	9:38:00	9.5	Bottom	3	2	28.10	8.20	32.10	89.0	5.80	4.7	7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR7	10:03:00	1.0	Surface	1	1	27.90	7.90	31.60	89.8	5.90	9.2	8.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR7	10:03:00	1.0	Surface	1	2	27.70	8.00	31.80	89.6	5.90	9.1	8.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR7	10:03:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR7	10:03:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR7	10:03:00	4.2	Bottom	3	1	27.90	7.90	31.60	90.0	5.90	10.2	15	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR7	10:03:00	4.2	Bottom	3	2	27.70	8.00	31.80	89.6	5.90	10.4	16.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS17	10:03:00	1.0	Surface	1	1	27.40	8.10	30.80	90.7	6.00	3.9	6.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS17	10:03:00	1.0	Surface	1	2	27.60	8.10	30.50	91.7	6.10	3.8	7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS17	10:03:00	3.9	Middle	2	1	27.40	8.10	31.80	88.3	5.80	8.4	6.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS17	10:03:00	3.9	Middle	2	2	27.70	8.10	31.50	89.1	5.90	8.5	6.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS17	10:03:00	6.8	Bottom	3	1	27.40	8.10	31.90	88.1	5.80	10.0	12.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS17	10:03:00	6.8	Bottom	3	2	27.70	8.10	31.60	88.7	5.90	9.8	13.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)16	10:12:00	1.0	Surface	1	1	27.30	8.00	30.30	89.0	6.00	5.4	5.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)16	10:12:00	1.0	Surface	1	2	27.50	8.10	30.10	89.9	6.00	5.6	4.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)16	10:12:00	3.1	Middle	2	1	27.50	8.10	31.40	88.0	5.80	5.0	6.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)16	10:12:00	3.1	Middle	2	2	27.70	8.10	31.10	88.9	5.90	4.7	7.1	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)16	10:12:00	5.1	Bottom	3	1	27.60	8.10	31.90	87.8	5.80	5.0	9.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)16	10:12:00	5.1	Bottom	3	2	27.80	8.10	31.60	88.6	5.80	4.8	10.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS8	10:37:00	1.0	Surface	1	1	27.10	8.00	29.70	88.9	6.00	6.1	6.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS8	10:37:00	1.0	Surface	1	2	27.40	8.10	29.40	89.9	6.00	6.1	8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS8	10:37:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS8	10:37:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS8	10:37:00	2.8	Bottom	3	1	27.20	8.00	29.80	88.3	5.90	9.3	9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS8	10:37:00	2.8	Bottom	3	2	27.40	8.10	29.50	89.3	6.00	9.7	7.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR4(N)	10:32:00	1.0	Surface	1	1	26.60	8.00	26.90	83.8	5.80	4.0	5.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR4(N)	10:32:00	1.0	Surface	1	2	26.90	8.00	26.70	85.8	5.90	3.9	6.2	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR4(N)	10:32:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR4(N)	10:32:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR4(N)	10:32:00	3.9	Bottom	3	1	27.40	8.00	30.40	81.3	5.40	10.6	6.6	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR4(N)	10:32:00	3.9	Bottom	3	2	27.70	8.00	30.00	81.3	5.40	11.1	5.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)9	10:45:00	1.0	Surface	1	1	27.00	8.00	29.40	88.3	6.00	8.2	11.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)9	10:45:00	1.0	Surface	1	2	27.30	8.00	29.10	89.3	6.00	8.4	13.1	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)9	10:45:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)9	10:45:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)9	10:45:00	2.5	Bottom	3	1	27.00	8.00	29.50	87.1	5.90	13.6	14.1	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)9	10:45:00	2.5	Bottom	3	2	27.30	8.00	29.20	88.2	5.90	14.1	13.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS7	10:58:00	1.0	Surface	1	1	27.00	8.00	29.20	89.8	6.10	3.9	5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS7	10:58:00	1.0	Surface	1	2	27.30	8.00	28.90	90.9	6.10	3.9	5.4	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS7	10:58:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS7	10:58:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS7	10:58:00	2.1	Bottom	3	1	27.00	8.00	29.20	88.2	6.00	4.3	5.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS7	10:58:00	2.1	Bottom	3	2	27.20	8.00	28.90	89.8	6.10	4.0	6.3	

Project	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
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)6	11:05:00		Surface	1	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)6	11:05:00		Surface	1	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)6	11:05:00	1.5	Middle	2	1	26.80	8.00	29.90	89.5	6.10	11.1	12.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)6	11:05:00	1.5	Middle	2	2	27.00	8.10	29.60	90.6	6.10	10.5	11.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)6	11:05:00		Bottom	3	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS(Mf)6	11:05:00		Bottom	3	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS5	11:13:00	1.0	Surface	1	1	26.70	8.00	29.60	90.1	6.10	4.8	11.5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS5	11:13:00	1.0	Surface	1	2	26.90	8.00	29.40	91.1	6.20	4.7	11.3	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS5	11:13:00	5.0	Middle	2	1	26.70	8.10	30.30	89.2	6.00	8.7	10.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS5	11:13:00	5.0	Middle	2	2	26.90	8.10	30.00	90.0	6.10	8.0	9.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS5	11:13:00	8.9	Bottom	3	1	26.70	8.10	31.50	89.4	6.00	17.0	16	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	IS5	11:13:00	8.9	Bottom	3	2	26.90	8.10	31.10	90.2	6.00	17.1	14.9	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR3(N)	11:20:00	1.0	Surface	1	1	26.80	8.00	29.40	89.4	6.10	4.9	6.8	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR3(N)	11:20:00	1.0	Surface	1	2	27.00	8.00	29.20	90.4	6.10	5.0	5	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR3(N)	11:20:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR3(N)	11:20:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR3(N)	11:20:00	2.5	Bottom	3	1	26.70	8.00	30.10	88.6	6.00	8.6	10.7	
HKBCF	2017-10-16	Mid-Ebb	Cloudy	SR3(N)	11:20:00	2.5	Bottom	3	2	26.90	8.00	29.80	89.3	6.00	8.6	9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10A(N)	18:05:00	1.0	Surface	1	1	27.90	8.10	32.40	87.2	5.70	7.2	10.4	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10A(N)	18:05:00	1.0	Surface	1	2	28.10	8.10	32.10	88.0	5.80	7.1	9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10A(N)	18:05:00	6.0	Middle	2	1	27.90	8.10	32.40	87.1	5.70	11.3	9.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10A(N)	18:05:00	6.0	Middle	2	2	28.20	8.10	32.10	87.7	5.70	11.6	11.5	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10A(N)	18:05:00	10.9	Bottom	3	1	27.90	8.10	32.40	87.8	5.70	10.5	13.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10A(N)	18:05:00	10.9	Bottom	3	2	28.20	8.10	32.10	88.0	5.80	10.5	12.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10B(N2)	17:59:00	1.0	Surface	1	1	28.00	8.10	32.50	86.3	5.60	11.2	14.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10B(N2)	17:59:00	1.0	Surface	1	2	28.20	8.10	32.10	87.1	5.70	10.7	13.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10B(N2)	17:59:00	3.6	Middle	2	1	28.00	8.10	32.50	86.1	5.60	11.0	16.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10B(N2)	17:59:00	3.6	Middle	2	2	28.20	8.10	32.10	86.9	5.70	11.1	16.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10B(N2)	17:59:00	6.2	Bottom	3	1	28.00	8.10	32.50	86.0	5.60	11.6	16.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR10B(N2)	17:59:00	6.2	Bottom	3	2	28.20	8.10	32.10	86.7	5.70	11.9	16.1	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CSA	17:41:00	1.0	Surface	1	1	28.20	8.00	32.30	88.6	5.80	12.1	11	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CSA	17:41:00	1.0	Surface	1	2	27.90	8.00	32.30	88.6	5.80	10.8	11.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CSA	17:41:00	16.3	Middle	2	1	28.20	8.00	32.20	88.1	5.70	14.3	18.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CSA	17:41:00	16.3	Middle	2	2	28.00	8.00	32.30	87.7	5.70	13.9	18.4	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CSA	17:41:00	31.6	Bottom	3	1	28.20	8.00	32.20	87.9	5.70	13.0	18.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CSA	17:41:00	31.6	Bottom	3	2	28.00	8.00	32.20	87.5	5.70	12.9	17.1	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS6	17:30:00	1.0	Surface	1	1	28.00	8.00	32.00	89.6	5.90	12.6	15.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS6	17:30:00	1.0	Surface	1	2	27.70	8.00	32.10	89.6	5.90	12.4	16.1	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS6	17:30:00	4.6	Middle	2	1	28.00	8.00	32.00	89.5	5.90	14.5	16	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS6	17:30:00	4.6	Middle	2	2	27.70	8.00	32.10	89.3	5.90	13.8	15.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS6	17:30:00	8.1	Bottom	3	1	28.00	8.00	32.00	89.5	5.90	21.6	18.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS6	17:30:00	8.1	Bottom	3	2	27.70	8.00	32.10	89.2	5.90	20.1	18.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS4	16:25:00	1.0	Surface	1	1	27.50	8.00	31.50	92.7	6.10	14.8	13.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS4	16:25:00	1.0	Surface	1	2	27.30	8.00	31.50	92.8	6.20	14.3	14.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS4	16:25:00	9.7	Middle	2	1	27.50	8.00	31.40	92.1	6.10	18.2	19.5	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS4	16:25:00	9.7	Middle	2	2	27.30	8.00	31.50	92.0	6.10	17.2	19.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS4	16:25:00	18.4	Bottom	3	1	27.50	8.00	31.40	91.4	6.10	33.0	20.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS4	16:25:00	18.4	Bottom	3	2	27.30	8.00	31.50	91.2	6.10	28.4	19.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR6	15:53:00	1.0	Surface	1	1	27.60	7.90	30.20	91.4	6.10	11.1	11.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR6	15:53:00	1.0	Surface	1	2	27.40	8.00	30.50	91.4	6.10	10.1	12.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR6	15:53:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR6	15:53:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR6	15:53:00	3.3	Bottom	3	1	27.70	7.90	30.40	91.4	6.10	13.0	16.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR6	15:53:00	3.3	Bottom	3	2	27.40	8.00	30.60	91.3	6.10	12.7	17.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)3(N)	16:10:00	1.0	Surface	1	1	27.50	8.00	31.20	94.0	6.20	18.5	19.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)3(N)	16:10:00	1.0	Surface	1	2	27.30	8.00	31.50	94.2	6.30	17.3	19.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)3(N)	16:10:00	3.7	Middle	2	1	27.50	8.00	31.20	93.7	6.20	23.1	21.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)3(N)	16:10:00	3.7	Middle	2	2	27.30	8.00	31.50	93.9	6.30	19.9	21.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)3(N)	16:10:00	6.4	Bottom	3	1	27.50	8.00	31.10	93.3	6.20	27.7	21.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)3(N)	16:10:00	6.4	Bottom	3	2	27.20	8.00	31.50	93.5	6.20	28.0	19.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR5(N)	16:49:00	1.0	Surface	1	1	27.70	7.90	31.30	93.0	6.20	17.9	21.4	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR5(N)	16:49:00	1.0	Surface	1	2	27.40	8.00	31.50	93.1	6.20	17.6	21	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR5(N)	16:49:00	4.8	Middle	2	1	27.70	7.90	31.30	92.6	6.10	23.9	21.6	

Project	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
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR5(N)	16:49:00	4.8	Middle	2	2	27.40	8.00	31.40	92.6	6.10	22.0	22.1	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR5(N)	16:49:00	8.6	Bottom	3	1	27.70	7.90	31.20	92.4	6.10	33.1	26.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR5(N)	16:49:00	8.6	Bottom	3	2	27.40	8.00	31.50	92.3	6.10	29.6	27.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS10(N)	16:55:00	1.0	Surface	1	1	27.70	7.90	31.30	92.4	6.10	12.4	13.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS10(N)	16:55:00	1.0	Surface	1	2	27.50	8.00	31.40	92.6	6.10	11.3	12	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS10(N)	16:55:00	5.9	Middle	2	1	27.70	7.90	31.30	92.0	6.10	14.5	18.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS10(N)	16:55:00	5.9	Middle	2	2	27.40	8.00	31.40	91.9	6.10	14.1	17.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS10(N)	16:55:00	10.8	Bottom	3	1	27.70	7.90	31.30	92.0	6.10	18.1	20.4	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS10(N)	16:55:00	10.8	Bottom	3	2	27.40	8.00	31.50	91.8	6.10	16.9	21.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)11	17:01:00	1.0	Surface	1	1	27.70	7.90	30.90	91.6	6.10	10.6	12.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)11	17:01:00	1.0	Surface	1	2	27.40	8.00	30.80	91.8	6.10	10.5	12.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)11	17:01:00	5.5	Middle	2	1	27.70	7.90	31.40	91.1	6.00	12.4	22.1	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)11	17:01:00	5.5	Middle	2	2	27.50	8.00	31.30	91.1	6.10	14.6	21.4	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)11	17:01:00	9.9	Bottom	3	1	27.70	7.90	31.60	91.2	6.00	15.9	22.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)11	17:01:00	9.9	Bottom	3	2	27.50	8.00	31.50	91.0	6.00	14.5	22.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)5	17:21:00	1.0	Surface	1	1	27.90	8.10	32.40	87.7	5.80	12.6	14.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)5	17:21:00	1.0	Surface	1	2	28.10	8.10	32.10	88.5	5.80	12.9	14.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)5	17:21:00	5.1	Middle	2	1	27.90	8.10	32.40	87.6	5.70	11.9	14.4	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)5	17:21:00	5.1	Middle	2	2	28.10	8.10	32.10	88.4	5.80	12.0	14.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)5	17:21:00	9.1	Bottom	3	1	27.90	8.10	32.40	88.0	5.80	14.8	14.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	CS(Mf)5	17:21:00	9.1	Bottom	3	2	28.10	8.10	32.10	88.5	5.80	15.9	14.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR7	17:09:00	1.0	Surface	1	1	27.70	8.00	31.70	92.5	6.10	15.8	17.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR7	17:09:00	1.0	Surface	1	2	27.40	8.00	31.50	92.5	6.10	15.0	18.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR7	17:09:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR7	17:09:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR7	17:09:00	3.6	Bottom	3	1	27.70	8.00	31.70	92.7	6.10	16.7	18.1	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR7	17:09:00	3.6	Bottom	3	2	27.50	8.00	31.60	92.7	6.10	16.9	19.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS17	17:00:00	1.0	Surface	1	1	27.50	8.10	31.80	89.8	5.90	8.9	11.5	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS17	17:00:00	1.0	Surface	1	2	27.80	8.10	31.50	90.7	6.00	8.9	12.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS17	17:00:00	3.8	Middle	2	1	27.50	8.10	31.80	88.5	5.90	17.8	12	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS17	17:00:00	3.8	Middle	2	2	27.70	8.10	31.50	89.3	5.90	17.6	13.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS17	17:00:00	6.5	Bottom	3	1	27.40	8.10	31.80	88.3	5.90	20.0	17.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS17	17:00:00	6.5	Bottom	3	2	27.70	8.10	31.50	89.0	5.90	19.6	18.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)16	16:52:00	1.0	Surface	1	1	27.40	8.10	31.70	89.4	5.90	10.4	10.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)16	16:52:00	1.0	Surface	1	2	27.70	8.10	31.40	90.3	6.00	10.8	9.5	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)16	16:52:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)16	16:52:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)16	16:52:00	4.8	Bottom	3	1	27.50	8.10	31.80	88.8	5.90	11.2	16.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)16	16:52:00	4.8	Bottom	3	2	27.70	8.10	31.50	89.5	5.90	11.6	15.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS8	16:27:00	1.0	Surface	1	1	27.70	8.10	31.80	89.9	5.90	17.0	16.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS8	16:27:00	1.0	Surface	1	2	27.90	8.10	31.50	90.7	6.00	16.5	17.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS8	16:27:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS8	16:27:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS8	16:27:00	2.7	Bottom	3	1	27.70	8.10	31.80	89.9	5.90	16.5	22.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS8	16:27:00	2.7	Bottom	3	2	27.90	8.10	31.50	90.7	6.00	16.8	23.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR4(N)	16:35:00	1.0	Surface	1	1	27.80	8.10	31.80	85.5	5.60	12.3	17.5	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR4(N)	16:35:00	1.0	Surface	1	2	28.10	8.10	31.50	86.0	5.60	12.8	16	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR4(N)	16:35:00		Middle	2	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR4(N)	16:35:00		Middle	2	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR4(N)	16:35:00	3.5	Bottom	3	1	27.80	8.10	31.80	87.1	5.70	11.6	20.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR4(N)	16:35:00	3.5	Bottom	3	2	28.10	8.10	31.50	86.9	5.70	11.8	20.9	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)9	16:17:00		Surface	1	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)9	16:17:00		Surface	1	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)9	16:17:00	1.5	Middle	2	1	27.70	8.10	30.90	88.8	5.90	7.1	7.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)9	16:17:00	1.5	Middle	2	2	27.90	8.10	30.60	89.7	5.90	7.2	8.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)9	16:17:00		Bottom	3	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)9	16:17:00		Bottom	3	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS7	16:09:00		Surface	1	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS7	16:09:00		Surface	1	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS7	16:09:00	1.3	Middle	2	1	27.40	8.00	30.20	88.2	5.90	16.5	10.8	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS7	16:09:00	1.3	Middle	2	2	27.70	8.10	29.90	88.8	5.90	16.8	9.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS7	16:09:00		Bottom	3	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS7	16:09:00		Bottom	3	2								

Project	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
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)6	16:00:00		Surface	1	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)6	16:00:00		Surface	1	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)6	16:00:00	1.3	Middle	2	1	27.30	8.00	29.80	90.7	6.10	10.2	10.1	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)6	16:00:00	1.3	Middle	2	2	27.60	8.10	29.50	91.5	6.10	10.2	8.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)6	16:00:00		Bottom	3	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS(Mf)6	16:00:00		Bottom	3	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS5	15:50:00	1.0	Surface	1	1	27.30	8.00	29.70	90.9	6.10	7.0	9.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS5	15:50:00	1.0	Surface	1	2	27.50	8.10	29.40	91.9	6.20	7.0	8.2	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS5	15:50:00	4.8	Middle	2	1	27.20	8.00	30.10	89.5	6.00	8.3	8.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS5	15:50:00	4.8	Middle	2	2	27.40	8.10	29.80	90.3	6.10	8.4	9.6	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS5	15:50:00	8.5	Bottom	3	1	27.20	8.00	30.20	90.1	6.00	8.9	8.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	IS5	15:50:00	8.5	Bottom	3	2	27.40	8.10	29.90	90.5	6.10	9.0	9.7	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR3(N)	15:41:00		Surface	1	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR3(N)	15:41:00		Surface	1	2								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR3(N)	15:41:00	1.4	Middle	2	1	27.20	8.00	29.90	90.0	6.10	24.3	15.5	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR3(N)	15:41:00	1.4	Middle	2	2	27.40	8.10	29.60	90.8	6.10	24.1	15.3	
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR3(N)	15:41:00		Bottom	3	1								
HKBCF	2017-10-16	Mid-Flood	Cloudy	SR3(N)	15:41:00		Bottom	3	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10A(N)	10:31:00	1.0	Surface	1	1	28.00	8.10	32.00	84.7	5.60	4.6	7	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10A(N)	10:31:00	1.0	Surface	1	2	27.70	8.00	32.30	84.0	5.50	4.4	5.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10A(N)	10:31:00	6.1	Middle	2	1	28.00	8.10	32.00	84.6	5.50	5.2	8.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10A(N)	10:31:00	6.1	Middle	2	2	27.70	8.00	32.40	83.9	5.50	4.7	7.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10A(N)	10:31:00	11.2	Bottom	3	1	27.90	8.10	32.00	84.5	5.50	5.4	7.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10A(N)	10:31:00	11.2	Bottom	3	2	27.70	8.00	32.40	84.0	5.50	5.9	7.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10B(N2)	10:38:00	1.0	Surface	1	1	28.00	8.10	32.00	84.0	5.50	4.9	7.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10B(N2)	10:38:00	1.0	Surface	1	2	27.80	8.00	32.30	83.2	5.50	5.0	7.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10B(N2)	10:38:00	4.1	Middle	2	1	28.00	8.10	32.00	83.3	5.50	6.8	6.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10B(N2)	10:38:00	4.1	Middle	2	2	27.80	8.00	32.40	82.6	5.40	6.9	6.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10B(N2)	10:38:00	7.1	Bottom	3	1	28.00	8.10	32.00	83.3	5.50	7.4	9.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR10B(N2)	10:38:00	7.1	Bottom	3	2	27.80	8.00	32.40	82.6	5.40	7.0	9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CSA	10:50:00	1.0	Surface	1	1	27.90	7.90	31.80	85.5	5.60	5.0	5.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CSA	10:50:00	1.0	Surface	1	2	28.20	7.90	32.10	85.7	5.60	4.1	5.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CSA	10:50:00	15.7	Middle	2	1	27.80	7.90	31.70	84.2	5.50	8.5	5.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CSA	10:50:00	15.7	Middle	2	2	28.10	7.90	32.10	84.8	5.60	8.9	6.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CSA	10:50:00	30.4	Bottom	3	1	27.80	7.90	31.50	83.7	5.50	9.5	10	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CSA	10:50:00	30.4	Bottom	3	2	28.10	7.90	32.10	84.7	5.50	11.0	11	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS6	11:03:00	1.0	Surface	1	1	28.00	8.00	32.10	87.2	5.70	3.8	5.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS6	11:03:00	1.0	Surface	1	2	28.20	7.90	32.10	87.4	5.70	3.6	4.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS6	11:03:00	5.2	Middle	2	1	27.90	8.00	32.10	85.6	5.60	5.4	5.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS6	11:03:00	5.2	Middle	2	2	28.10	7.90	32.10	85.7	5.60	5.4	4.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS6	11:03:00	9.3	Bottom	3	1	27.80	8.00	32.10	84.8	5.60	7.6	4.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS6	11:03:00	9.3	Bottom	3	2	28.00	7.90	32.10	85.2	5.60	8.8	4.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS4	12:11:00	1.0	Surface	1	1	27.90	8.00	32.00	91.2	6.00	6.3	5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS4	12:11:00	1.0	Surface	1	2	28.20	7.90	32.10	91.4	6.00	6.1	6.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS4	12:11:00	9.3	Middle	2	1	27.00	8.00	31.80	90.8	6.10	11.2	5.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS4	12:11:00	9.3	Middle	2	2	27.20	8.00	31.90	91.1	6.10	12.4	5.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS4	12:11:00	17.6	Bottom	3	1	26.90	8.00	31.90	91.1	6.10	23.2	10.7	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS4	12:11:00	17.6	Bottom	3	2	27.20	8.00	32.00	91.3	6.10	25.5	9.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR6	12:53:00	1.0	Surface	1	1	27.10	8.00	32.20	95.1	6.30	19.0	13.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR6	12:53:00	1.0	Surface	1	2	27.40	8.00	32.30	94.9	6.30	20.3	13.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR6	12:53:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR6	12:53:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR6	12:53:00	3.7	Bottom	3	1	27.00	8.00	32.20	94.5	6.30	23.4	15.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR6	12:53:00	3.7	Bottom	3	2	27.30	8.00	32.30	94.4	6.30	24.0	14	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)3(N)	12:27:00	1.0	Surface	1	1	27.40	8.00	31.60	95.3	6.30	7.7	7.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)3(N)	12:27:00	1.0	Surface	1	2	27.60	8.00	31.70	95.1	6.30	8.0	8.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)3(N)	12:27:00	3.6	Middle	2	1	27.10	8.00	31.80	94.0	6.30	14.2	11.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)3(N)	12:27:00	3.6	Middle	2	2	27.30	8.00	31.90	94.0	6.20	14.8	12.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)3(N)	12:27:00	6.1	Bottom	3	1	27.10	8.00	32.20	93.4	6.20	30.1	11.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)3(N)	12:27:00	6.1	Bottom	3	2	27.30	8.00	32.40	93.7	6.20	32.0	11.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR5(N)	11:49:00	1.0	Surface	1	1	27.40	8.00	31.80	90.1	6.00	10.3	9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR5(N)	11:49:00	1.0	Surface	1	2	27.60	7.90	31.90	90.0	5.90	10.4	7.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR5(N)	11:49:00	4.9	Middle	2	1	27.30	8.00	31.90	89.2	5.90	14.5	8.9	

Project	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
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR5(N)	11:49:00	4.9	Middle	2	2	27.60	7.90	32.00	89.3	5.90	14.9	9.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR5(N)	11:49:00	8.8	Bottom	3	1	27.30	8.00	31.90	89.2	5.90	18.1	10.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR5(N)	11:49:00	8.8	Bottom	3	2	27.60	7.90	32.00	89.6	5.90	19.2	11.6	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS10(N)	11:41:00	1.0	Surface	1	1	27.60	8.00	31.70	90.6	6.00	5.9	5.7	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS10(N)	11:41:00	1.0	Surface	1	2	27.90	7.90	31.70	90.5	6.00	5.7	5.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS10(N)	11:41:00	6.1	Middle	2	1	27.30	8.00	31.70	89.2	5.90	7.8	7.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS10(N)	11:41:00	6.1	Middle	2	2	27.60	8.00	31.70	89.3	5.90	8.4	5.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS10(N)	11:41:00	11.2	Bottom	3	1	27.30	8.00	31.80	88.2	5.90	37.3	8.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS10(N)	11:41:00	11.2	Bottom	3	2	27.60	7.90	31.70	88.8	5.90	38.6	10.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)11	11:35:00	1.0	Surface	1	1	27.50	8.00	31.60	90.2	6.00	6.7	6.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)11	11:35:00	1.0	Surface	1	2	27.80	7.90	31.80	89.6	5.90	6.3	4.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)11	11:35:00	5.6	Middle	2	1	27.40	8.00	31.80	87.3	5.80	15.5	6.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)11	11:35:00	5.6	Middle	2	2	27.60	7.90	32.00	87.5	5.80	15.8	5.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)11	11:35:00	10.1	Bottom	3	1	27.40	8.00	31.90	86.9	5.80	30.7	11.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)11	11:35:00	10.1	Bottom	3	2	27.70	7.90	32.10	87.3	5.80	32.6	12.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)5	11:14:00	1.0	Surface	1	1	28.30	8.10	31.90	85.0	5.50	3.9	4.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)5	11:14:00	1.0	Surface	1	2	28.10	8.10	32.30	84.3	5.50	3.8	5.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)5	11:14:00	5.6	Middle	2	1	28.10	8.10	32.10	84.4	5.50	4.3	5.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)5	11:14:00	5.6	Middle	2	2	27.80	8.10	32.40	83.6	5.50	3.9	5.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)5	11:14:00	10.1	Bottom	3	1	28.00	8.10	32.00	83.7	5.50	4.4	6.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	CS(Mf)5	11:14:00	10.1	Bottom	3	2	27.70	8.10	32.40	83.1	5.50	4.3	6.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR7	11:26:00	1.0	Surface	1	1	27.40	8.00	31.70	89.6	5.90	6.2	6.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR7	11:26:00	1.0	Surface	1	2	27.70	7.90	31.90	89.3	5.90	7.0	7.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR7	11:26:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR7	11:26:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR7	11:26:00	3.5	Bottom	3	1	27.60	8.00	32.00	87.5	5.80	8.6	6.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR7	11:26:00	3.5	Bottom	3	2	27.80	7.90	32.20	88.1	5.80	8.9	7.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS17	11:40:00	1.0	Surface	1	1	27.60	8.10	31.70	86.9	5.70	7.0	8.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS17	11:40:00	1.0	Surface	1	2	27.40	8.10	32.00	86.1	5.70	6.7	7	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS17	11:40:00	4.1	Middle	2	1	27.60	8.10	31.70	86.8	5.70	7.3	7.6	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS17	11:40:00	4.1	Middle	2	2	27.40	8.10	32.00	86.0	5.70	7.1	9.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS17	11:40:00	7.2	Bottom	3	1	27.60	8.10	31.70	86.7	5.70	7.8	8.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS17	11:40:00	7.2	Bottom	3	2	27.40	8.10	32.00	86.0	5.70	7.3	9.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)16	11:46:00	1.0	Surface	1	1	27.60	8.10	31.20	88.6	5.90	5.5	4.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)16	11:46:00	1.0	Surface	1	2	27.30	8.10	31.50	87.9	5.80	5.5	4.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)16	11:46:00	3.2	Middle	2	1	27.40	8.10	31.50	88.6	5.90	6.6	4.9	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)16	11:46:00	3.2	Middle	2	2	27.20	8.10	31.80	87.8	5.80	6.3	5.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)16	11:46:00	5.4	Bottom	3	1	27.40	8.10	31.50	88.4	5.90	6.4	7.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)16	11:46:00	5.4	Bottom	3	2	27.20	8.10	31.80	87.7	5.80	6.0	7.7	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS8	12:14:00	1.0	Surface	1	1	27.70	8.10	30.40	89.4	5.90	5.0	5.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS8	12:14:00	1.0	Surface	1	2	27.40	8.00	30.70	88.1	5.90	5.1	4.6	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS8	12:14:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS8	12:14:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS8	12:14:00	3.0	Bottom	3	1	27.50	8.10	31.20	85.3	5.70	17.1	6.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS8	12:14:00	3.0	Bottom	3	2	27.30	8.10	31.50	84.7	5.60	16.5	5.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR4(N)	12:08:00	1.0	Surface	1	1	28.00	8.00	30.10	82.3	5.50	6.6	5.7	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR4(N)	12:08:00	1.0	Surface	1	2	27.70	8.00	30.40	82.0	5.50	6.5	6.3	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR4(N)	12:08:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR4(N)	12:08:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR4(N)	12:08:00	4.0	Bottom	3	1	27.70	8.10	31.00	82.3	5.50	9.6	9.7	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR4(N)	12:08:00	4.0	Bottom	3	2	27.50	8.00	31.20	81.6	5.40	9.2	8.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)9	12:22:00	1.0	Surface	1	1	27.40	8.10	30.30	88.8	5.90	4.1	5.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)9	12:22:00	1.0	Surface	1	2	27.20	8.00	30.70	87.7	5.90	4.2	5.7	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)9	12:22:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)9	12:22:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)9	12:22:00	3.0	Bottom	3	1	27.40	8.10	30.70	88.3	5.90	5.4	6	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)9	12:22:00	3.0	Bottom	3	2	27.20	8.00	31.00	88.2	5.90	5.0	5.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS7	12:34:00	1.0	Surface	1	1	27.40	8.00	30.50	86.8	5.80	9.2	3.5	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS7	12:34:00	1.0	Surface	1	2	27.20	8.00	30.70	85.6	5.70	9.8	4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS7	12:34:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS7	12:34:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS7	12:34:00	2.0	Bottom	3	1	27.40	8.00	30.50	84.2	5.60	12.9	5.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS7	12:34:00	2.0	Bottom	3	2	27.20	8.00	30.80	83.2	5.60	12.3	6.1	

Project	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
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)6	12:42:00	1.0	Surface	1	1	27.50	8.00	30.50	87.1	5.80	11.2	3.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)6	12:42:00	1.0	Surface	1	2	27.30	8.00	30.80	86.5	5.80	10.6	4.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)6	12:42:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)6	12:42:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)6	12:42:00	2.0	Bottom	3	1	27.40	8.00	30.90	87.1	5.80	15.8	13.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS(Mf)6	12:42:00	2.0	Bottom	3	2	27.20	8.00	31.20	86.4	5.80	16.7	12.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS5	12:50:00	1.0	Surface	1	1	27.60	8.10	31.00	89.7	6.00	9.0	7.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS5	12:50:00	1.0	Surface	1	2	27.40	8.10	31.30	89.0	5.90	8.8	6.6	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS5	12:50:00	4.6	Middle	2	1	27.50	8.10	31.20	89.7	5.90	12.6	12	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS5	12:50:00	4.6	Middle	2	2	27.30	8.10	31.50	88.9	5.90	12.4	12	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS5	12:50:00	8.1	Bottom	3	1	27.40	8.10	31.70	89.8	6.00	23.4	20.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	IS5	12:50:00	8.1	Bottom	3	2	27.20	8.10	32.00	89.1	5.90	23.1	20.2	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR3(N)	13:00:00	1.0	Surface	1	1	27.70	8.00	30.40	87.5	5.80	5.5	6.1	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR3(N)	13:00:00	1.0	Surface	1	2	27.40	8.00	30.70	86.9	5.80	5.1	5.8	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR3(N)	13:00:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR3(N)	13:00:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR3(N)	13:00:00	2.4	Bottom	3	1	27.30	8.00	30.80	86.8	5.80	9.5	5.4	
HKBCF	2017-10-18	Mid-Ebb	Sunny	SR3(N)	13:00:00	2.4	Bottom	3	2	27.10	8.00	31.10	86.2	5.80	9.3	6	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10A(N)	19:00:00	1.0	Surface	1	1	28.10	8.10	32.00	83.3	5.50	11.1	13.4	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10A(N)	19:00:00	1.0	Surface	1	2	27.80	8.10	32.30	83.3	5.50	11.1	12.1	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10A(N)	19:00:00	5.8	Middle	2	1	28.10	8.00	32.00	84.0	5.50	11.6	15.6	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10A(N)	19:00:00	5.8	Middle	2	2	27.80	8.10	32.30	83.6	5.50	12.1	15	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10A(N)	19:00:00	10.6	Bottom	3	1	28.10	8.00	32.00	84.0	5.50	12.1	16.8	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10A(N)	19:00:00	10.6	Bottom	3	2	27.80	8.10	32.30	85.0	5.60	13.2	17.1	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10B(N2)	18:55:00	1.0	Surface	1	1	28.10	8.00	32.00	83.6	5.50	13.2	18.2	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10B(N2)	18:55:00	1.0	Surface	1	2	27.80	8.10	32.30	82.8	5.40	12.6	17.2	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10B(N2)	18:55:00	4.0	Middle	2	1	28.00	8.00	32.00	83.7	5.50	14.0	18.4	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10B(N2)	18:55:00	4.0	Middle	2	2	27.80	8.10	32.30	83.0	5.50	13.3	17.7	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10B(N2)	18:55:00	6.9	Bottom	3	1	28.00	8.00	32.00	84.0	5.50	13.8	18	
HKBCF	2017-10-18	Mid-Flood	Fine	SR10B(N2)	18:55:00	6.9	Bottom	3	2	27.80	8.10	32.30	83.7	5.50	13.0	18.4	
HKBCF	2017-10-18	Mid-Flood	Fine	CSA	18:35:00	1.0	Surface	1	1	27.80	8.00	32.20	85.4	5.60	14.6	20.8	
HKBCF	2017-10-18	Mid-Flood	Fine	CSA	18:35:00	1.0	Surface	1	2	28.10	7.90	32.20	85.4	5.60	16.6	20.9	
HKBCF	2017-10-18	Mid-Flood	Fine	CSA	18:35:00	15.7	Middle	2	1	27.80	8.00	32.20	84.3	5.50	22.5	21	
HKBCF	2017-10-18	Mid-Flood	Fine	CSA	18:35:00	15.7	Middle	2	2	28.10	7.90	32.20	84.8	5.50	23.2	19.7	
HKBCF	2017-10-18	Mid-Flood	Fine	CSA	18:35:00	30.3	Bottom	3	1	27.80	8.00	32.10	83.9	5.50	25.2	25	
HKBCF	2017-10-18	Mid-Flood	Fine	CSA	18:35:00	30.3	Bottom	3	2	28.10	7.90	32.20	84.5	5.50	27.0	25.6	
HKBCF	2017-10-18	Mid-Flood	Fine	CS6	18:19:00	1.0	Surface	1	1	27.70	8.00	32.20	86.2	5.70	11.4	19.4	
HKBCF	2017-10-18	Mid-Flood	Fine	CS6	18:19:00	1.0	Surface	1	2	28.00	7.90	32.20	86.1	5.60	12.2	18.2	
HKBCF	2017-10-18	Mid-Flood	Fine	CS6	18:19:00	5.1	Middle	2	1	27.70	8.00	32.10	85.8	5.60	16.3	18	
HKBCF	2017-10-18	Mid-Flood	Fine	CS6	18:19:00	5.1	Middle	2	2	28.00	7.90	32.20	86.0	5.60	17.6	18.4	
HKBCF	2017-10-18	Mid-Flood	Fine	CS6	18:19:00	9.2	Bottom	3	1	27.70	8.00	32.10	85.5	5.60	25.3	24.2	
HKBCF	2017-10-18	Mid-Flood	Fine	CS6	18:19:00	9.2	Bottom	3	2	28.00	7.90	32.20	85.9	5.60	27.6	24.9	
HKBCF	2017-10-18	Mid-Flood	Fine	CS4	17:07:00	1.0	Surface	1	1	27.30	8.00	31.60	91.1	6.10	7.6	9.7	
HKBCF	2017-10-18	Mid-Flood	Fine	CS4	17:07:00	1.0	Surface	1	2	27.60	8.00	31.70	90.9	6.00	8.0	10.7	
HKBCF	2017-10-18	Mid-Flood	Fine	CS4	17:07:00	9.2	Middle	2	1	27.40	8.00	31.70	90.3	6.00	11.1	12.3	
HKBCF	2017-10-18	Mid-Flood	Fine	CS4	17:07:00	9.2	Middle	2	2	27.60	8.00	31.80	90.2	6.00	11.8	11.1	
HKBCF	2017-10-18	Mid-Flood	Fine	CS4	17:07:00	17.4	Bottom	3	1	27.40	8.00	31.60	89.8	6.00	26.1	11.9	
HKBCF	2017-10-18	Mid-Flood	Fine	CS4	17:07:00	17.4	Bottom	3	2	27.60	8.00	31.80	89.9	5.90	27.5	11.5	
HKBCF	2017-10-18	Mid-Flood	Fine	SR6	16:36:00	1.0	Surface	1	1	27.40	8.00	30.70	92.7	6.20	17.2	22.8	
HKBCF	2017-10-18	Mid-Flood	Fine	SR6	16:36:00	1.0	Surface	1	2	27.70	7.90	30.50	92.5	6.20	17.8	22	
HKBCF	2017-10-18	Mid-Flood	Fine	SR6	16:36:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Flood	Fine	SR6	16:36:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Flood	Fine	SR6	16:36:00	3.6	Bottom	3	1	27.40	8.00	30.90	91.9	6.10	20.4	23.4	
HKBCF	2017-10-18	Mid-Flood	Fine	SR6	16:36:00	3.6	Bottom	3	2	27.60	7.90	30.60	91.8	6.10	22.1	23	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)3(N)	16:52:00	1.0	Surface	1	1	27.50	8.00	31.10	93.1	6.20	7.0	8.8	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)3(N)	16:52:00	1.0	Surface	1	2	27.80	7.90	31.20	93.0	6.10	7.4	8.8	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)3(N)	16:52:00	3.5	Middle	2	1	27.50	8.00	31.10	92.8	6.20	10.9	7.3	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)3(N)	16:52:00	3.5	Middle	2	2	27.80	7.90	31.20	92.6	6.10	11.9	8.4	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)3(N)	16:52:00	6.0	Bottom	3	1	27.50	8.00	31.20	92.6	6.20	16.2	9.7	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)3(N)	16:52:00	6.0	Bottom	3	2	27.80	7.90	31.20	92.6	6.10	17.4	10.6	
HKBCF	2017-10-18	Mid-Flood	Fine	SR5(N)	17:30:00	1.0	Surface	1	1	27.50	8.00	31.60	93.3	6.20	18.5	24.7	
HKBCF	2017-10-18	Mid-Flood	Fine	SR5(N)	17:30:00	1.0	Surface	1	2	27.80	8.00	31.70	93.2	6.10	18.0	25	
HKBCF	2017-10-18	Mid-Flood	Fine	SR5(N)	17:30:00	4.8	Middle	2	1	27.50	8.00	31.70	93.1	6.20	23.5	25.5	

Project	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
HKBCF	2017-10-18	Mid-Flood	Fine	SR5(N)	17:30:00	4.8	Middle	2	2	27.80	8.00	31.70	92.9	6.10	24.8	24.5	
HKBCF	2017-10-18	Mid-Flood	Fine	SR5(N)	17:30:00	8.6	Bottom	3	1	27.50	8.00	31.70	92.3	6.10	30.0	40.9	
HKBCF	2017-10-18	Mid-Flood	Fine	SR5(N)	17:30:00	8.6	Bottom	3	2	27.70	8.00	31.90	92.2	6.10	29.9	40	
HKBCF	2017-10-18	Mid-Flood	Fine	IS10(N)	17:39:00	1.0	Surface	1	1	27.40	8.00	31.70	90.4	6.00	18.3	16.7	
HKBCF	2017-10-18	Mid-Flood	Fine	IS10(N)	17:39:00	1.0	Surface	1	2	27.70	8.00	31.80	90.4	6.00	18.8	16	
HKBCF	2017-10-18	Mid-Flood	Fine	IS10(N)	17:39:00	6.0	Middle	2	1	27.40	8.00	31.70	90.1	6.00	22.6	19.1	
HKBCF	2017-10-18	Mid-Flood	Fine	IS10(N)	17:39:00	6.0	Middle	2	2	27.70	8.00	31.80	90.1	5.90	22.7	17.8	
HKBCF	2017-10-18	Mid-Flood	Fine	IS10(N)	17:39:00	11.0	Bottom	3	1	27.40	8.00	31.70	90.4	6.00	23.0	20	
HKBCF	2017-10-18	Mid-Flood	Fine	IS10(N)	17:39:00	11.0	Bottom	3	2	27.70	8.00	31.90	90.6	6.00	23.6	20	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)11	17:46:00	1.0	Surface	1	1	27.40	8.00	31.80	89.5	5.90	19.4	22.1	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)11	17:46:00	1.0	Surface	1	2	27.70	8.00	31.90	89.6	5.90	19.0	22.6	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)11	17:46:00	5.5	Middle	2	1	27.40	8.00	31.80	89.2	5.90	20.8	24.3	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)11	17:46:00	5.5	Middle	2	2	27.60	8.00	31.90	89.4	5.90	21.5	25.3	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)11	17:46:00	9.9	Bottom	3	1	27.40	8.00	31.80	89.6	5.90	25.8	23.4	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)11	17:46:00	9.9	Bottom	3	2	27.70	8.00	31.90	90.0	5.90	27.3	23.9	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)5	18:19:00	1.0	Surface	1	1	28.00	8.10	32.00	85.5	5.60	13.5	10.1	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)5	18:19:00	1.0	Surface	1	2	27.80	8.10	32.30	84.8	5.60	13.1	10.8	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)5	18:19:00	5.3	Middle	2	1	28.00	8.10	32.00	85.4	5.60	21.1	19.1	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)5	18:19:00	5.3	Middle	2	2	27.80	8.10	32.30	84.7	5.60	22.0	18.9	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)5	18:19:00	9.5	Bottom	3	1	28.00	8.10	32.00	85.4	5.60	16.5	21.2	
HKBCF	2017-10-18	Mid-Flood	Fine	CS(Mf)5	18:19:00	9.5	Bottom	3	2	27.80	8.10	32.30	84.7	5.60	16.2	22.3	
HKBCF	2017-10-18	Mid-Flood	Fine	SR7	17:56:00	1.0	Surface	1	1	27.50	8.00	31.90	91.8	6.10	22.0	23.7	
HKBCF	2017-10-18	Mid-Flood	Fine	SR7	17:56:00	1.0	Surface	1	2	27.70	8.00	32.00	91.7	6.00	23.9	22	
HKBCF	2017-10-18	Mid-Flood	Fine	SR7	17:56:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Flood	Fine	SR7	17:56:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Flood	Fine	SR7	17:56:00	3.4	Bottom	3	1	27.50	8.00	31.90	91.6	6.10	25.1	23.8	
HKBCF	2017-10-18	Mid-Flood	Fine	SR7	17:56:00	3.4	Bottom	3	2	27.80	8.00	32.00	91.5	6.00	27.7	24.8	
HKBCF	2017-10-18	Mid-Flood	Fine	IS17	17:56:00	1.0	Surface	1	1	27.70	8.10	31.60	90.2	6.00	5.7	9.5	
HKBCF	2017-10-18	Mid-Flood	Fine	IS17	17:56:00	1.0	Surface	1	2	27.40	8.10	31.90	89.4	5.90	5.6	9.2	
HKBCF	2017-10-18	Mid-Flood	Fine	IS17	17:56:00	3.9	Middle	2	1	27.70	8.10	31.70	90.1	5.90	8.5	13.6	
HKBCF	2017-10-18	Mid-Flood	Fine	IS17	17:56:00	3.9	Middle	2	2	27.50	8.10	32.00	89.3	5.90	8.6	15	
HKBCF	2017-10-18	Mid-Flood	Fine	IS17	17:56:00	6.8	Bottom	3	1	27.70	8.10	31.80	90.0	5.90	10.3	15.8	
HKBCF	2017-10-18	Mid-Flood	Fine	IS17	17:56:00	6.8	Bottom	3	2	27.50	8.10	32.10	89.4	5.90	10.1	15.4	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)16	17:48:00	1.0	Surface	1	1	27.80	8.10	31.60	88.6	5.80	12.1	14.8	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)16	17:48:00	1.0	Surface	1	2	27.60	8.10	31.90	87.9	5.80	11.5	15	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)16	17:48:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)16	17:48:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)16	17:48:00	4.8	Bottom	3	1	27.90	8.10	31.60	88.4	5.80	12.5	17.5	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)16	17:48:00	4.8	Bottom	3	2	27.60	8.10	31.90	87.7	5.80	11.9	17.8	
HKBCF	2017-10-18	Mid-Flood	Fine	IS8	17:22:00	1.0	Surface	1	1	28.10	8.10	30.90	94.2	6.20	10.9	7.8	
HKBCF	2017-10-18	Mid-Flood	Fine	IS8	17:22:00	1.0	Surface	1	2	27.90	8.10	31.20	93.4	6.20	10.6	7.5	
HKBCF	2017-10-18	Mid-Flood	Fine	IS8	17:22:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Flood	Fine	IS8	17:22:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Flood	Fine	IS8	17:22:00	2.6	Bottom	3	1	28.10	8.10	30.90	94.1	6.20	10.3	8.7	
HKBCF	2017-10-18	Mid-Flood	Fine	IS8	17:22:00	2.6	Bottom	3	2	27.90	8.10	31.20	93.2	6.20	9.9	10	
HKBCF	2017-10-18	Mid-Flood	Fine	SR4(N)	17:30:00	1.0	Surface	1	1	28.00	8.00	30.90	89.7	5.90	17.0	20.4	
HKBCF	2017-10-18	Mid-Flood	Fine	SR4(N)	17:30:00	1.0	Surface	1	2	27.80	8.10	31.20	89.0	5.90	16.1	19.5	
HKBCF	2017-10-18	Mid-Flood	Fine	SR4(N)	17:30:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Flood	Fine	SR4(N)	17:30:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Flood	Fine	SR4(N)	17:30:00	3.4	Bottom	3	1	28.10	8.00	30.90	89.8	5.90	16.3	21.2	
HKBCF	2017-10-18	Mid-Flood	Fine	SR4(N)	17:30:00	3.4	Bottom	3	2	27.80	8.10	31.20	89.1	5.90	15.4	20.6	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)9	17:12:00	1.0	Surface	1	1	27.60	8.10	31.20	89.1	5.90	8.2	8.2	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)9	17:12:00	1.0	Surface	1	2	27.40	8.10	31.50	88.2	5.90	8.0	8	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)9	17:12:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)9	17:12:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)9	17:12:00	2.3	Bottom	3	1	27.60	8.10	31.20	88.2	5.80	14.3	9.7	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)9	17:12:00	2.3	Bottom	3	2	27.30	8.10	31.50	87.4	5.80	13.4	9.1	
HKBCF	2017-10-18	Mid-Flood	Fine	IS7	17:03:00		Surface	1	1								
HKBCF	2017-10-18	Mid-Flood	Fine	IS7	17:03:00		Surface	1	2								
HKBCF	2017-10-18	Mid-Flood	Fine	IS7	17:03:00	1.4	Middle	2	1	27.80	8.10	30.80	89.2	5.90	6.7	9.5	
HKBCF	2017-10-18	Mid-Flood	Fine	IS7	17:03:00	1.4	Middle	2	2	27.60	8.00	31.10	88.3	5.90	6.4	9.1	
HKBCF	2017-10-18	Mid-Flood	Fine	IS7	17:03:00		Bottom	3	1								
HKBCF	2017-10-18	Mid-Flood	Fine	IS7	17:03:00		Bottom	3	2								

Project	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
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)6	16:54:00		Surface	1	1								
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)6	16:54:00		Surface	1	2								
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)6	16:54:00	1.4	Middle	2	1	27.80	8.10	30.80	88.6	5.90	15.2	15.5	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)6	16:54:00	1.4	Middle	2	2	27.60	8.00	31.10	87.9	5.80	14.4	14.3	
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)6	16:54:00		Bottom	3	1								
HKBCF	2017-10-18	Mid-Flood	Fine	IS(Mf)6	16:54:00		Bottom	3	2								
HKBCF	2017-10-18	Mid-Flood	Fine	IS5	16:44:00	1.0	Surface	1	1	27.80	8.10	30.60	90.1	6.00	6.4	7.3	
HKBCF	2017-10-18	Mid-Flood	Fine	IS5	16:44:00	1.0	Surface	1	2	27.60	8.00	30.90	89.3	5.90	6.2	8.1	
HKBCF	2017-10-18	Mid-Flood	Fine	IS5	16:44:00	4.5	Middle	2	1	27.80	8.10	30.70	89.0	5.90	7.7	8.7	
HKBCF	2017-10-18	Mid-Flood	Fine	IS5	16:44:00	4.5	Middle	2	2	27.50	8.00	31.00	88.2	5.90	7.3	10.3	
HKBCF	2017-10-18	Mid-Flood	Fine	IS5	16:44:00	7.9	Bottom	3	1	27.60	8.10	30.90	88.5	5.90	8.4	14.5	
HKBCF	2017-10-18	Mid-Flood	Fine	IS5	16:44:00	7.9	Bottom	3	2	27.40	8.00	31.20	87.9	5.80	8.1	12.7	
HKBCF	2017-10-18	Mid-Flood	Fine	SR3(N)	16:36:00	1.0	Surface	1	1	27.80	8.10	30.80	89.6	5.90	13.7	11	
HKBCF	2017-10-18	Mid-Flood	Fine	SR3(N)	16:36:00	1.0	Surface	1	2	27.60	8.00	31.10	88.9	5.90	13.9	9.7	
HKBCF	2017-10-18	Mid-Flood	Fine	SR3(N)	16:36:00		Middle	2	1								
HKBCF	2017-10-18	Mid-Flood	Fine	SR3(N)	16:36:00		Middle	2	2								
HKBCF	2017-10-18	Mid-Flood	Fine	SR3(N)	16:36:00	2.0	Bottom	3	1	27.80	8.10	30.80	89.7	5.90	15.7	11.5	
HKBCF	2017-10-18	Mid-Flood	Fine	SR3(N)	16:36:00	2.0	Bottom	3	2	27.60	8.00	31.10	89.0	5.90	14.9	11.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10A(N)	13:42:00	1.0	Surface	1	1	27.50	8.10	32.40	82.6	5.50	9.0	11	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10A(N)	13:42:00	1.0	Surface	1	2	27.70	8.00	32.10	83.6	5.50	9.7	10.1	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10A(N)	13:42:00	6.5	Middle	2	1	27.50	8.10	32.40	82.7	5.50	8.0	13	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10A(N)	13:42:00	6.5	Middle	2	2	27.70	8.00	32.10	83.6	5.50	9.9	12.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10A(N)	13:42:00	11.9	Bottom	3	1	27.50	8.10	32.40	83.5	5.50	9.0	19	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10A(N)	13:42:00	11.9	Bottom	3	2	27.70	8.00	32.10	84.1	5.50	9.9	20.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10B(N2)	13:36:00	1.0	Surface	1	1	27.50	8.10	32.40	82.8	5.50	11.8	14	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10B(N2)	13:36:00	1.0	Surface	1	2	27.70	8.00	32.10	83.6	5.50	12.8	13.5	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10B(N2)	13:36:00	4.3	Middle	2	1	27.50	8.10	32.40	83.0	5.50	11.6	19.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10B(N2)	13:36:00	4.3	Middle	2	2	27.70	8.00	32.10	83.8	5.50	12.4	18.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10B(N2)	13:36:00	7.6	Bottom	3	1	27.50	8.10	32.40	85.2	5.60	12.9	18.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR10B(N2)	13:36:00	7.6	Bottom	3	2	27.70	8.00	32.10	85.6	5.60	13.5	17.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CSA	13:17:00	1.0	Surface	1	1	27.60	8.00	32.20	84.2	5.60	5.1	6.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CSA	13:17:00	1.0	Surface	1	2	27.90	7.90	32.30	84.6	5.60	4.6	6.5	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CSA	13:17:00	16.2	Middle	2	1	27.50	8.00	32.20	82.5	5.40	5.9	8.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CSA	13:17:00	16.2	Middle	2	2	27.70	7.90	32.30	83.4	5.50	5.7	7.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CSA	13:17:00	31.4	Bottom	3	1	27.50	8.00	32.20	82.6	5.50	12.3	7.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CSA	13:17:00	31.4	Bottom	3	2	27.80	7.90	32.30	83.9	5.50	12.3	8.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS6	13:08:00	1.0	Surface	1	1	27.60	8.00	32.20	85.9	5.70	5.6	8.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS6	13:08:00	1.0	Surface	1	2	27.90	7.90	32.30	86.5	5.70	5.3	7.1	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS6	13:08:00	5.2	Middle	2	1	27.60	8.00	32.20	85.0	5.60	8.9	8.5	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS6	13:08:00	5.2	Middle	2	2	27.90	7.90	32.30	86.1	5.60	9.1	8.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS6	13:08:00	9.3	Bottom	3	1	27.50	8.00	32.20	85.3	5.60	20.5	10.5	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS6	13:08:00	9.3	Bottom	3	2	27.80	7.90	32.30	87.0	5.70	21.7	11.8	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS4	12:10:00	1.0	Surface	1	1	27.30	8.00	32.00	89.8	6.00	6.6	9.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS4	12:10:00	1.0	Surface	1	2	27.60	8.00	32.00	90.4	6.00	6.8	9.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS4	12:10:00	9.3	Middle	2	1	27.00	8.00	31.90	89.3	6.00	9.5	12.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS4	12:10:00	9.3	Middle	2	2	27.30	8.00	32.00	90.0	6.00	10.2	12.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS4	12:10:00	17.6	Bottom	3	1	27.00	8.00	31.90	89.0	5.90	12.1	17.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS4	12:10:00	17.6	Bottom	3	2	27.20	8.00	32.00	90.1	6.00	12.9	16.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR6	11:36:00	1.0	Surface	1	1	26.90	8.00	32.20	95.1	6.30	14.8	15.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR6	11:36:00	1.0	Surface	1	2	27.20	8.00	32.00	95.4	6.30	16.5	15.8	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR6	11:36:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR6	11:36:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR6	11:36:00	3.8	Bottom	3	1	26.80	8.00	32.30	93.8	6.30	28.0	19.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR6	11:36:00	3.8	Bottom	3	2	27.00	8.00	32.00	94.4	6.30	30.4	18.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)3(N)	11:53:00	1.0	Surface	1	1	26.80	8.00	32.00	94.4	6.30	16.0	19.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)3(N)	11:53:00	1.0	Surface	1	2	27.00	8.00	32.10	94.7	6.30	18.2	19.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)3(N)	11:53:00	3.5	Middle	2	1	26.70	8.00	32.10	93.9	6.30	18.7	21.1	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)3(N)	11:53:00	3.5	Middle	2	2	27.00	8.00	32.20	94.3	6.30	20.1	22.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)3(N)	11:53:00	5.9	Bottom	3	1	26.70	8.00	32.20	93.5	6.30	35.2	24.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)3(N)	11:53:00	5.9	Bottom	3	2	26.90	8.00	32.30	94.1	6.30	38.8	23.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR5(N)	12:29:00	1.0	Surface	1	1	27.60	8.00	32.10	87.7	5.80	5.7	6.8	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR5(N)	12:29:00	1.0	Surface	1	2	27.80	7.90	32.10	88.2	5.80	5.2	6.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR5(N)	12:29:00	4.7	Middle	2	1	27.40	8.00	32.10	86.5	5.70	6.9	9.8	

Project	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
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR5(N)	12:29:00	4.7	Middle	2	2	27.60	7.90	32.10	87.2	5.70	7.0	8.1	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR5(N)	12:29:00	8.3	Bottom	3	1	27.30	8.00	32.00	86.5	5.70	9.4	8.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR5(N)	12:29:00	8.3	Bottom	3	2	27.50	7.90	32.20	87.7	5.80	10.2	8.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS10(N)	12:35:00	1.0	Surface	1	1	27.30	8.00	31.90	91.6	6.10	6.5	6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS10(N)	12:35:00	1.0	Surface	1	2	27.60	8.00	32.00	91.8	6.10	6.3	6.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS10(N)	12:35:00	6.3	Middle	2	1	27.00	8.00	31.90	87.5	5.80	9.4	8.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS10(N)	12:35:00	6.3	Middle	2	2	27.30	8.00	32.00	88.1	5.80	9.4	7.5	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS10(N)	12:35:00	11.5	Bottom	3	1	27.10	8.00	31.90	87.2	5.80	21.3	14	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS10(N)	12:35:00	11.5	Bottom	3	2	27.30	8.00	32.10	88.5	5.90	22.2	15.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)11	12:41:00	1.0	Surface	1	1	27.30	8.00	31.90	90.7	6.00	6.8	10.1	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)11	12:41:00	1.0	Surface	1	2	27.60	8.00	32.00	90.8	6.00	6.6	10.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)11	12:41:00	5.7	Middle	2	1	27.00	8.00	31.90	87.7	5.90	13.6	11.8	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)11	12:41:00	5.7	Middle	2	2	27.30	8.00	32.00	88.5	5.90	14.2	10.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)11	12:41:00	10.3	Bottom	3	1	27.10	8.00	31.90	87.5	5.80	27.8	14.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)11	12:41:00	10.3	Bottom	3	2	27.30	8.00	32.10	88.6	5.90	26.6	13.8	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)5	13:07:00	1.0	Surface	1	1	27.70	8.10	32.30	84.1	5.50	4.0	4.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)5	13:07:00	1.0	Surface	1	2	27.90	8.00	32.00	85.1	5.60	4.4	4.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)5	13:07:00	4.7	Middle	2	1	27.60	8.10	32.30	82.7	5.50	5.0	4.8	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)5	13:07:00	4.7	Middle	2	2	27.80	8.00	32.00	83.5	5.50	5.8	3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)5	13:07:00	8.4	Bottom	3	1	27.50	8.10	32.30	82.7	5.50	7.5	8.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	CS(Mf)5	13:07:00	8.4	Bottom	3	2	27.70	8.00	32.00	83.4	5.50	8.0	8.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR7	12:49:00	1.0	Surface	1	1	27.30	8.00	32.00	88.5	5.90	9.7	14.8	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR7	12:49:00	1.0	Surface	1	2	27.50	8.00	32.10	89.1	5.90	10.4	14.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR7	12:49:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR7	12:49:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR7	12:49:00	3.5	Bottom	3	1	27.20	8.00	32.00	88.3	5.90	13.9	15.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR7	12:49:00	3.5	Bottom	3	2	27.50	8.00	32.10	89.2	5.90	11.7	14.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS17	12:50:00	1.0	Surface	1	1	27.20	8.10	32.10	85.0	5.60	8.4	9.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS17	12:50:00	1.0	Surface	1	2	27.40	8.00	31.80	86.0	5.70	9.0	9.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS17	12:50:00	4.7	Middle	2	1	27.20	8.10	32.10	84.9	5.60	8.3	13.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS17	12:50:00	4.7	Middle	2	2	27.40	8.00	31.80	85.8	5.70	9.0	12.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS17	12:50:00	8.4	Bottom	3	1	27.20	8.10	32.20	85.3	5.70	7.9	15.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS17	12:50:00	8.4	Bottom	3	2	27.50	8.00	31.90	86.0	5.70	8.7	15.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)16	12:41:00	1.0	Surface	1	1	27.20	8.10	32.00	88.1	5.90	6.0	9.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)16	12:41:00	1.0	Surface	1	2	27.40	8.10	31.70	89.2	5.90	7.1	10.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)16	12:41:00	3.2	Middle	2	1	27.10	8.10	32.10	86.9	5.80	7.3	10.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)16	12:41:00	3.2	Middle	2	2	27.40	8.10	31.80	87.8	5.80	8.3	11.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)16	12:41:00	5.3	Bottom	3	1	27.10	8.10	32.10	86.6	5.80	12.8	13.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)16	12:41:00	5.3	Bottom	3	2	27.30	8.10	31.80	87.5	5.80	13.8	13.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS8	12:15:00	1.0	Surface	1	1	27.00	8.10	31.70	89.2	6.00	5.9	6.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS8	12:15:00	1.0	Surface	1	2	27.20	8.10	31.40	90.4	6.00	6.6	6.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS8	12:15:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS8	12:15:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS8	12:15:00	3.3	Bottom	3	1	27.00	8.10	32.00	86.9	5.80	14.2	6.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS8	12:15:00	3.3	Bottom	3	2	27.20	8.10	31.70	88.0	5.90	14.6	8.1	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR4(N)	12:25:00	1.0	Surface	1	1	27.20	8.10	31.70	88.0	5.90	4.4	5.3	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR4(N)	12:25:00	1.0	Surface	1	2	27.40	8.00	31.40	89.0	5.90	5.1	5.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR4(N)	12:25:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR4(N)	12:25:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR4(N)	12:25:00	3.8	Bottom	3	1	27.10	8.10	32.00	87.4	5.80	5.5	10.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR4(N)	12:25:00	3.8	Bottom	3	2	27.30	8.10	31.70	88.3	5.90	6.2	9.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)9	12:07:00	1.0	Surface	1	1	27.00	8.10	31.70	90.4	6.00	4.9	6.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)9	12:07:00	1.0	Surface	1	2	27.20	8.10	31.40	91.5	6.10	5.5	6.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)9	12:07:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)9	12:07:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)9	12:07:00	2.9	Bottom	3	1	27.00	8.10	31.90	89.4	6.00	6.0	6.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)9	12:07:00	2.9	Bottom	3	2	27.20	8.10	31.60	90.5	6.00	6.5	5.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS7	12:01:00	1.0	Surface	1	1	26.80	8.10	31.50	89.8	6.00	5.2	6.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS7	12:01:00	1.0	Surface	1	2	27.00	8.10	31.20	90.7	6.10	5.9	6.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS7	12:01:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS7	12:01:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS7	12:01:00	2.7	Bottom	3	1	26.80	8.10	31.50	89.5	6.00	5.7	7.5	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS7	12:01:00	2.7	Bottom	3	2	27.00	8.10	31.20	90.2	6.00	5.8	8.5	

Project	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
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)6	11:49:00	1.0	Surface	1	1	26.90	8.00	31.50	85.7	5.70	7.3	8.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)6	11:49:00	1.0	Surface	1	2	27.10	8.00	31.20	86.6	5.80	7.8	8.5	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)6	11:49:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)6	11:49:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)6	11:49:00	2.6	Bottom	3	1	26.90	8.00	31.50	85.5	5.70	7.8	10.4	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS(Mf)6	11:49:00	2.6	Bottom	3	2	27.10	8.00	31.20	86.4	5.80	8.3	9.9	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS5	11:43:00	1.0	Surface	1	1	26.90	8.00	31.50	86.2	5.80	6.9	9.1	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS5	11:43:00	1.0	Surface	1	2	27.10	8.10	31.30	87.3	5.80	7.2	10.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS5	11:43:00	5.2	Middle	2	1	26.80	8.00	31.50	85.8	5.80	7.0	11.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS5	11:43:00	5.2	Middle	2	2	27.10	8.10	31.30	86.8	5.80	7.9	10.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS5	11:43:00	9.4	Bottom	3	1	26.80	8.00	31.50	86.1	5.80	7.2	10.7	
HKBCF	2017-10-20	Mid-Ebb	Sunny	IS5	11:43:00	9.4	Bottom	3	2	27.00	8.10	31.30	86.9	5.80	8.0	10.1	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR3(N)	11:36:00	1.0	Surface	1	1	26.90	8.10	31.60	87.4	5.80	6.2	9.2	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR3(N)	11:36:00	1.0	Surface	1	2	27.10	8.10	31.30	88.3	5.90	6.9	8.6	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR3(N)	11:36:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR3(N)	11:36:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR3(N)	11:36:00	2.9	Bottom	3	1	26.80	8.10	31.60	87.1	5.80	6.2	10.5	
HKBCF	2017-10-20	Mid-Ebb	Sunny	SR3(N)	11:36:00	2.9	Bottom	3	2	27.10	8.10	31.30	87.9	5.90	6.7	11.4	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10A(N)	5:53:00	1.0	Surface	1	1	27.50	8.00	32.30	82.0	5.40	15.3	18.9	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10A(N)	5:53:00	1.0	Surface	1	2	27.70	8.10	32.10	83.0	5.50	16.4	18.8	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10A(N)	5:53:00	6.2	Middle	2	1	27.50	8.00	32.30	81.9	5.40	16.9	20.9	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10A(N)	5:53:00	6.2	Middle	2	2	27.70	8.10	32.10	83.0	5.50	17.7	20.9	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10A(N)	5:53:00	11.3	Bottom	3	1	27.50	8.00	32.30	82.0	5.40	16.9	23.2	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10A(N)	5:53:00	11.3	Bottom	3	2	27.70	8.10	32.10	83.0	5.50	17.3	22.1	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10B(N2)	5:59:00	1.0	Surface	1	1	27.50	8.00	32.40	81.4	5.40	13.3	18	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10B(N2)	5:59:00	1.0	Surface	1	2	27.70	8.10	32.10	82.5	5.40	13.7	17.6	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10B(N2)	5:59:00	3.1	Middle	2	1	27.50	8.00	32.40	81.5	5.40	13.1	18.8	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10B(N2)	5:59:00	3.1	Middle	2	2	27.70	8.10	32.10	82.5	5.40	13.7	19.1	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10B(N2)	5:59:00	5.2	Bottom	3	1	27.50	8.00	32.40	81.5	5.40	18.3	21.9	
HKBCF	2017-10-20	Mid-Flood	Fine	SR10B(N2)	5:59:00	5.2	Bottom	3	2	27.70	8.10	32.10	82.4	5.40	18.1	20.6	
HKBCF	2017-10-20	Mid-Flood	Fine	CSA	6:12:00	1.0	Surface	1	1	27.50	7.90	31.70	86.9	5.80	11.2	11.9	
HKBCF	2017-10-20	Mid-Flood	Fine	CSA	6:12:00	1.0	Surface	1	2	27.30	8.00	31.60	86.3	5.70	10.1	11	
HKBCF	2017-10-20	Mid-Flood	Fine	CSA	6:12:00	16.4	Middle	2	1	27.60	7.90	31.80	85.8	5.70	16.2	10.8	
HKBCF	2017-10-20	Mid-Flood	Fine	CSA	6:12:00	16.4	Middle	2	2	27.30	8.00	31.50	84.7	5.60	14.5	12	
HKBCF	2017-10-20	Mid-Flood	Fine	CSA	6:12:00	31.7	Bottom	3	1	27.60	7.90	31.90	84.9	5.60	33.3	14.5	
HKBCF	2017-10-20	Mid-Flood	Fine	CSA	6:12:00	31.7	Bottom	3	2	27.40	8.00	31.50	83.7	5.60	30.6	14.6	
HKBCF	2017-10-20	Mid-Flood	Fine	CS6	6:28:00	1.0	Surface	1	1	27.70	7.90	32.10	85.7	5.60	17.6	17.2	
HKBCF	2017-10-20	Mid-Flood	Fine	CS6	6:28:00	1.0	Surface	1	2	27.40	8.00	32.00	85.0	5.60	16.0	17.7	
HKBCF	2017-10-20	Mid-Flood	Fine	CS6	6:28:00	5.3	Middle	2	1	27.70	7.90	32.10	85.3	5.60	22.5	18.3	
HKBCF	2017-10-20	Mid-Flood	Fine	CS6	6:28:00	5.3	Middle	2	2	27.40	8.00	32.00	84.6	5.60	19.3	18.9	
HKBCF	2017-10-20	Mid-Flood	Fine	CS6	6:28:00	9.5	Bottom	3	1	27.70	7.90	32.00	86.5	5.70	32.2	25.3	
HKBCF	2017-10-20	Mid-Flood	Fine	CS6	6:28:00	9.5	Bottom	3	2	27.50	8.00	32.00	84.8	5.60	37.8	24.3	
HKBCF	2017-10-20	Mid-Flood	Fine	CS4	7:29:00	1.0	Surface	1	1	27.30	8.00	31.90	90.7	6.00	19.6	14	
HKBCF	2017-10-20	Mid-Flood	Fine	CS4	7:29:00	1.0	Surface	1	2	27.00	8.00	31.90	90.1	6.00	18.1	13.6	
HKBCF	2017-10-20	Mid-Flood	Fine	CS4	7:29:00	9.4	Middle	2	1	27.30	8.00	32.00	90.1	6.00	23.9	17.2	
HKBCF	2017-10-20	Mid-Flood	Fine	CS4	7:29:00	9.4	Middle	2	2	27.00	8.00	31.90	89.4	6.00	21.4	18.2	
HKBCF	2017-10-20	Mid-Flood	Fine	CS4	7:29:00	17.8	Bottom	3	1	27.20	8.00	32.00	90.0	6.00	32.2	18.7	
HKBCF	2017-10-20	Mid-Flood	Fine	CS4	7:29:00	17.8	Bottom	3	2	27.00	8.00	31.90	89.2	6.00	29.2	18.8	
HKBCF	2017-10-20	Mid-Flood	Fine	SR6	8:12:00	1.0	Surface	1	1	27.20	8.00	31.60	91.1	6.10	23.1	19.8	
HKBCF	2017-10-20	Mid-Flood	Fine	SR6	8:12:00	1.0	Surface	1	2	26.90	8.00	31.50	90.4	6.10	20.7	18.4	
HKBCF	2017-10-20	Mid-Flood	Fine	SR6	8:12:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Flood	Fine	SR6	8:12:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Flood	Fine	SR6	8:12:00	3.8	Bottom	3	1	27.10	8.00	31.80	91.7	6.10	29.9	21	
HKBCF	2017-10-20	Mid-Flood	Fine	SR6	8:12:00	3.8	Bottom	3	2	26.80	8.00	31.60	91.1	6.10	30.3	21.7	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)3(N)	7:44:00	1.0	Surface	1	1	27.00	8.00	31.80	92.3	6.20	24.6	18	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)3(N)	7:44:00	1.0	Surface	1	2	26.70	8.00	31.70	91.9	6.20	22.0	18.4	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)3(N)	7:44:00	3.5	Middle	2	1	27.00	8.00	31.80	92.1	6.10	26.5	21.3	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)3(N)	7:44:00	3.5	Middle	2	2	26.80	8.00	31.70	91.6	6.10	27.3	21.3	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)3(N)	7:44:00	6.0	Bottom	3	1	27.00	8.00	31.80	92.7	6.20	31.3	22	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)3(N)	7:44:00	6.0	Bottom	3	2	26.80	8.00	31.70	91.9	6.20	29.7	23.6	
HKBCF	2017-10-20	Mid-Flood	Fine	SR5(N)	7:11:00	1.0	Surface	1	1	27.20	8.00	31.90	91.5	6.10	20.8	20.6	
HKBCF	2017-10-20	Mid-Flood	Fine	SR5(N)	7:11:00	1.0	Surface	1	2	26.90	8.00	31.80	91.2	6.10	19.7	20.4	
HKBCF	2017-10-20	Mid-Flood	Fine	SR5(N)	7:11:00	4.6	Middle	2	1	27.20	8.00	32.00	90.9	6.00	24.9	26.4	

Project	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
HKBCF	2017-10-20	Mid-Flood	Fine	SR5(N)	7:11:00	4.6	Middle	2	2	27.00	8.00	31.80	90.4	6.00	22.1	25.4	
HKBCF	2017-10-20	Mid-Flood	Fine	SR5(N)	7:11:00	8.1	Bottom	3	1	27.30	8.00	32.10	90.0	6.00	31.8	26.7	
HKBCF	2017-10-20	Mid-Flood	Fine	SR5(N)	7:11:00	8.1	Bottom	3	2	27.00	8.00	31.90	89.1	5.90	30.3	26.6	
HKBCF	2017-10-20	Mid-Flood	Fine	IS10(N)	7:03:00	1.0	Surface	1	1	27.20	8.00	32.00	89.5	5.90	15.0	16.1	
HKBCF	2017-10-20	Mid-Flood	Fine	IS10(N)	7:03:00	1.0	Surface	1	2	27.00	8.00	31.80	89.2	6.00	14.1	15.6	
HKBCF	2017-10-20	Mid-Flood	Fine	IS10(N)	7:03:00	6.4	Middle	2	1	27.30	8.00	32.00	89.1	5.90	17.0	18.3	
HKBCF	2017-10-20	Mid-Flood	Fine	IS10(N)	7:03:00	6.4	Middle	2	2	27.00	8.00	31.80	88.5	5.90	16.6	18.4	
HKBCF	2017-10-20	Mid-Flood	Fine	IS10(N)	7:03:00	11.7	Bottom	3	1	27.30	8.00	32.10	90.3	6.00	23.6	20.7	
HKBCF	2017-10-20	Mid-Flood	Fine	IS10(N)	7:03:00	11.7	Bottom	3	2	27.00	8.00	31.90	88.8	5.90	21.1	20.9	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)11	6:56:00	1.0	Surface	1	1	27.20	7.90	31.90	89.5	6.00	20.2	23.4	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)11	6:56:00	1.0	Surface	1	2	26.90	8.00	31.80	89.1	6.00	22.5	23.9	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)11	6:56:00	5.8	Middle	2	1	27.20	8.00	31.90	89.4	5.90	24.9	23.6	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)11	6:56:00	5.8	Middle	2	2	26.90	8.00	31.80	88.8	5.90	27.5	23.9	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)11	6:56:00	10.5	Bottom	3	1	27.20	8.00	32.00	89.5	6.00	31.2	31.6	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)11	6:56:00	10.5	Bottom	3	2	26.90	8.00	31.80	88.6	5.90	31.9	30.3	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)5	6:26:00	1.0	Surface	1	1	27.20	8.10	32.20	84.2	5.60	9.2	14.7	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)5	6:26:00	1.0	Surface	1	2	27.40	8.10	31.90	85.2	5.60	10.1	15.7	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)5	6:26:00	4.6	Middle	2	1	27.20	8.10	32.20	84.2	5.60	9.6	18.3	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)5	6:26:00	4.6	Middle	2	2	27.40	8.10	31.90	85.2	5.60	10.2	18.8	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)5	6:26:00	8.2	Bottom	3	1	27.20	8.10	32.20	84.2	5.60	10.8	19.3	
HKBCF	2017-10-20	Mid-Flood	Fine	CS(Mf)5	6:26:00	8.2	Bottom	3	2	27.40	8.10	31.90	85.2	5.60	11.6	17.8	
HKBCF	2017-10-20	Mid-Flood	Fine	SR7	6:48:00	1.0	Surface	1	1	27.30	8.00	32.00	90.1	6.00	21.1	28.2	
HKBCF	2017-10-20	Mid-Flood	Fine	SR7	6:48:00	1.0	Surface	1	2	27.00	8.00	31.90	89.6	6.00	21.3	27.6	
HKBCF	2017-10-20	Mid-Flood	Fine	SR7	6:48:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Flood	Fine	SR7	6:48:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Flood	Fine	SR7	6:48:00	3.5	Bottom	3	1	27.30	8.00	32.10	90.6	6.00	32.3	28.9	
HKBCF	2017-10-20	Mid-Flood	Fine	SR7	6:48:00	3.5	Bottom	3	2	27.10	8.00	31.90	89.6	6.00	35.3	28.3	
HKBCF	2017-10-20	Mid-Flood	Fine	IS17	6:47:00	1.0	Surface	1	1	27.10	8.10	32.10	86.2	5.70	6.2	9.9	
HKBCF	2017-10-20	Mid-Flood	Fine	IS17	6:47:00	1.0	Surface	1	2	27.30	8.10	31.80	87.3	5.80	6.9	10.2	
HKBCF	2017-10-20	Mid-Flood	Fine	IS17	6:47:00	4.4	Middle	2	1	27.10	8.10	32.10	86.5	5.80	6.6	11.4	
HKBCF	2017-10-20	Mid-Flood	Fine	IS17	6:47:00	4.4	Middle	2	2	27.30	8.10	31.80	87.6	5.80	7.0	11	
HKBCF	2017-10-20	Mid-Flood	Fine	IS17	6:47:00	7.8	Bottom	3	1	27.00	8.10	32.20	86.8	5.80	7.7	13.4	
HKBCF	2017-10-20	Mid-Flood	Fine	IS17	6:47:00	7.8	Bottom	3	2	27.20	8.10	31.90	87.9	5.80	7.9	13	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)16	6:55:00	1.0	Surface	1	1	27.00	8.10	32.00	86.0	5.70	15.2	22.3	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)16	6:55:00	1.0	Surface	1	2	27.30	8.10	31.70	87.1	5.80	15.6	22.3	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)16	6:55:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)16	6:55:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)16	6:55:00	4.8	Bottom	3	1	27.00	8.10	32.00	86.0	5.70	16.9	24.2	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)16	6:55:00	4.8	Bottom	3	2	27.30	8.10	31.70	87.1	5.80	17.2	23.9	
HKBCF	2017-10-20	Mid-Flood	Fine	IS8	7:19:00	1.0	Surface	1	1	26.90	8.10	32.10	86.3	5.80	13.7	16.3	
HKBCF	2017-10-20	Mid-Flood	Fine	IS8	7:19:00	1.0	Surface	1	2	27.20	8.10	31.80	87.2	5.80	13.5	16.5	
HKBCF	2017-10-20	Mid-Flood	Fine	IS8	7:19:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Flood	Fine	IS8	7:19:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Flood	Fine	IS8	7:19:00	2.6	Bottom	3	1	27.00	8.10	32.10	86.3	5.80	13.9	18.6	
HKBCF	2017-10-20	Mid-Flood	Fine	IS8	7:19:00	2.6	Bottom	3	2	27.20	8.10	31.80	87.2	5.80	13.9	18.7	
HKBCF	2017-10-20	Mid-Flood	Fine	SR4(N)	7:15:00	1.0	Surface	1	1	26.90	8.10	32.00	84.9	5.70	12.8	18.8	
HKBCF	2017-10-20	Mid-Flood	Fine	SR4(N)	7:15:00	1.0	Surface	1	2	27.10	8.10	31.70	85.8	5.70	13.4	18.6	
HKBCF	2017-10-20	Mid-Flood	Fine	SR4(N)	7:15:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Flood	Fine	SR4(N)	7:15:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Flood	Fine	SR4(N)	7:15:00	3.9	Bottom	3	1	26.80	8.10	32.00	85.3	5.70	13.1	21.2	
HKBCF	2017-10-20	Mid-Flood	Fine	SR4(N)	7:15:00	3.9	Bottom	3	2	27.10	8.10	31.70	86.1	5.70	13.6	21.9	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)9	7:28:00	1.0	Surface	1	1	26.90	8.10	31.90	86.2	5.80	9.1	11.5	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)9	7:28:00	1.0	Surface	1	2	27.10	8.10	31.60	87.3	5.80	9.2	11.3	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)9	7:28:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)9	7:28:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)9	7:28:00	2.4	Bottom	3	1	26.90	8.10	31.90	86.1	5.80	11.7	16.1	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)9	7:28:00	2.4	Bottom	3	2	27.10	8.00	31.60	87.1	5.80	12.5	16.1	
HKBCF	2017-10-20	Mid-Flood	Fine	IS7	7:36:00	1.0	Surface	1	1	26.80	8.00	31.60	86.0	5.80	8.3	10.7	
HKBCF	2017-10-20	Mid-Flood	Fine	IS7	7:36:00	1.0	Surface	1	2	27.10	8.00	31.30	86.9	5.80	8.5	10.6	
HKBCF	2017-10-20	Mid-Flood	Fine	IS7	7:36:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Flood	Fine	IS7	7:36:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Flood	Fine	IS7	7:36:00	2.4	Bottom	3	1	26.80	8.00	31.60	85.9	5.80	8.3	12	
HKBCF	2017-10-20	Mid-Flood	Fine	IS7	7:36:00	2.4	Bottom	3	2	27.00	8.00	31.30	86.9	5.80	8.3	11.4	

Project	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
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)6	7:46:00		Surface	1	1								
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)6	7:46:00		Surface	1	2								
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)6	7:46:00	1.4	Middle	2	1	26.80	8.00	31.60	86.7	5.80	7.6	11	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)6	7:46:00	1.4	Middle	2	2	27.00	8.00	31.30	87.8	5.90	8.1	12.3	
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)6	7:46:00		Bottom	3	1								
HKBCF	2017-10-20	Mid-Flood	Fine	IS(Mf)6	7:46:00		Bottom	3	2								
HKBCF	2017-10-20	Mid-Flood	Fine	IS5	7:52:00	1.0	Surface	1	1	26.70	8.00	31.50	85.8	5.80	7.0	12.3	
HKBCF	2017-10-20	Mid-Flood	Fine	IS5	7:52:00	1.0	Surface	1	2	27.00	8.00	31.20	86.8	5.80	7.5	13	
HKBCF	2017-10-20	Mid-Flood	Fine	IS5	7:52:00	5.0	Middle	2	1	26.80	8.00	31.50	85.9	5.80	8.1	13.8	
HKBCF	2017-10-20	Mid-Flood	Fine	IS5	7:52:00	5.0	Middle	2	2	27.00	8.00	31.20	86.9	5.80	8.7	12.5	
HKBCF	2017-10-20	Mid-Flood	Fine	IS5	7:52:00	8.9	Bottom	3	1	26.80	8.00	31.50	86.1	5.80	8.6	14.6	
HKBCF	2017-10-20	Mid-Flood	Fine	IS5	7:52:00	8.9	Bottom	3	2	27.00	8.00	31.30	87.0	5.80	9.0	16	
HKBCF	2017-10-20	Mid-Flood	Fine	SR3(N)	8:02:00	1.0	Surface	1	1	26.80	8.00	31.50	86.0	5.80	8.4	11.7	
HKBCF	2017-10-20	Mid-Flood	Fine	SR3(N)	8:02:00	1.0	Surface	1	2	27.00	8.00	31.20	86.9	5.80	8.5	12.5	
HKBCF	2017-10-20	Mid-Flood	Fine	SR3(N)	8:02:00		Middle	2	1								
HKBCF	2017-10-20	Mid-Flood	Fine	SR3(N)	8:02:00		Middle	2	2								
HKBCF	2017-10-20	Mid-Flood	Fine	SR3(N)	8:02:00	2.6	Bottom	3	1	26.80	8.00	31.50	86.1	5.80	9.3	15.3	
HKBCF	2017-10-20	Mid-Flood	Fine	SR3(N)	8:02:00	2.6	Bottom	3	2	27.00	8.00	31.20	86.9	5.80	9.2	14.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10A(N)	15:47:00	1.0	Surface	1	1	27.10	7.80	32.30	83.4	5.50	9.6	10.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10A(N)	15:47:00	1.0	Surface	1	2	26.90	8.00	32.60	83.5	5.60	8.6	9.1	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10A(N)	15:47:00	6.9	Middle	2	1	27.10	7.80	32.30	83.3	5.50	9.7	16.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10A(N)	15:47:00	6.9	Middle	2	2	26.90	8.00	32.60	83.5	5.60	10.0	16.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10A(N)	15:47:00	12.8	Bottom	3	1	27.10	7.80	32.30	83.5	5.60	10.9	18.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10A(N)	15:47:00	12.8	Bottom	3	2	26.80	8.00	32.60	84.0	5.60	10.3	17.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10B(N2)	15:41:00	1.0	Surface	1	1	27.10	7.80	32.30	83.7	5.60	7.2	10.7	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10B(N2)	15:41:00	1.0	Surface	1	2	26.90	8.00	32.60	83.7	5.60	6.6	11.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10B(N2)	15:41:00	3.9	Middle	2	1	27.10	7.80	32.30	83.5	5.60	7.9	12.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10B(N2)	15:41:00	3.9	Middle	2	2	26.90	8.00	32.60	83.6	5.60	7.2	11.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10B(N2)	15:41:00	6.7	Bottom	3	1	27.10	7.80	32.30	83.6	5.60	7.7	12.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR10B(N2)	15:41:00	6.7	Bottom	3	2	26.90	8.00	32.60	83.9	5.60	7.5	13.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	CSA	15:02:00	1.0	Surface	1	1	26.90	8.00	32.50	84.1	5.60	5.6	9.1	
HKBCF	2017-10-23	Mid-Ebb	Fine	CSA	15:02:00	1.0	Surface	1	2	27.10	7.90	32.30	84.7	5.60	5.9	9.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	CSA	15:02:00	15.8	Middle	2	1	26.90	8.00	32.50	83.0	5.50	6.3	13.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	CSA	15:02:00	15.8	Middle	2	2	27.10	7.90	32.30	83.9	5.60	6.8	12.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	CSA	15:02:00	30.5	Bottom	3	1	26.90	8.00	32.50	82.2	5.50	7.7	12.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	CSA	15:02:00	30.5	Bottom	3	2	27.10	7.90	32.30	83.4	5.50	8.5	13	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS6	14:51:00	1.0	Surface	1	1	26.90	8.00	32.50	85.6	5.70	5.5	8.2	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS6	14:51:00	1.0	Surface	1	2	27.20	7.90	32.30	86.3	5.70	5.3	10	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS6	14:51:00	4.8	Middle	2	1	26.90	8.00	32.50	85.9	5.70	5.8	10.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS6	14:51:00	4.8	Middle	2	2	27.20	7.90	32.30	86.9	5.80	6.2	10.7	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS6	14:51:00	8.5	Bottom	3	1	26.90	8.00	32.50	88.6	5.90	6.1	13.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS6	14:51:00	8.5	Bottom	3	2	27.20	7.90	32.30	89.9	6.00	6.1	14.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS4	13:54:00	1.0	Surface	1	1	26.70	8.00	32.40	90.0	6.00	6.9	9.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS4	13:54:00	1.0	Surface	1	2	26.90	8.00	32.30	90.5	6.00	7.0	8.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS4	13:54:00	9.3	Middle	2	1	26.40	8.00	32.40	89.2	6.00	11.0	10.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS4	13:54:00	9.3	Middle	2	2	26.60	8.00	32.20	90.0	6.00	11.2	10.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS4	13:54:00	17.6	Bottom	3	1	26.20	8.00	32.50	90.2	6.10	15.5	15.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS4	13:54:00	17.6	Bottom	3	2	26.40	8.00	32.20	91.5	6.20	15.7	17	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR6	13:18:00	1.0	Surface	1	1	26.00	8.00	33.00	96.5	6.50	15.7	22.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR6	13:18:00	1.0	Surface	1	2	26.30	8.00	32.80	97.0	6.50	16.6	21.2	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR6	13:18:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Ebb	Fine	SR6	13:18:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Ebb	Fine	SR6	13:18:00	3.8	Bottom	3	1	25.90	8.00	33.00	95.7	6.50	20.1	23.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR6	13:18:00	3.8	Bottom	3	2	26.10	8.00	32.80	96.6	6.50	19.8	22.2	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)3(N)	13:37:00	1.0	Surface	1	1	25.90	8.10	32.50	96.2	6.50	9.7	11.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)3(N)	13:37:00	1.0	Surface	1	2	26.10	8.10	32.30	96.6	6.50	10.4	10.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)3(N)	13:37:00	3.6	Middle	2	1	25.80	8.00	32.50	95.4	6.50	12.0	12.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)3(N)	13:37:00	3.6	Middle	2	2	26.10	8.00	32.30	96.3	6.50	12.7	12	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)3(N)	13:37:00	6.1	Bottom	3	1	25.80	8.00	32.60	95.6	6.50	14.7	15.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)3(N)	13:37:00	6.1	Bottom	3	2	26.00	8.00	32.30	96.9	6.60	15.2	14.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR5(N)	14:13:00	1.0	Surface	1	1	26.70	8.00	32.40	89.3	6.00	5.5	7.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR5(N)	14:13:00	1.0	Surface	1	2	27.00	7.90	32.10	90.2	6.00	5.0	8.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR5(N)	14:13:00	4.6	Middle	2	1	26.60	8.00	32.40	89.4	6.00	6.7	11.8	

Project	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
HKBCF	2017-10-23	Mid-Ebb	Fine	SR5(N)	14:13:00	4.6	Middle	2	2	26.90	7.90	32.10	90.6	6.00	6.6	11.7	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR5(N)	14:13:00	8.2	Bottom	3	1	26.30	8.00	32.40	90.5	6.10	8.2	11.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR5(N)	14:13:00	8.2	Bottom	3	2	26.60	8.00	32.00	92.0	6.20	8.4	11.2	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS10(N)	14:18:00	1.0	Surface	1	1	26.50	8.00	32.30	92.6	6.20	6.6	7.2	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS10(N)	14:18:00	1.0	Surface	1	2	26.80	8.00	32.20	92.7	6.20	6.8	6.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS10(N)	14:18:00	6.3	Middle	2	1	26.10	8.00	32.30	90.3	6.10	10.8	7.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS10(N)	14:18:00	6.3	Middle	2	2	26.40	8.00	32.20	90.8	6.10	11.0	8.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS10(N)	14:18:00	11.6	Bottom	3	1	26.10	8.00	32.30	89.3	6.00	16.2	7.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS10(N)	14:18:00	11.6	Bottom	3	2	26.30	8.00	32.10	90.2	6.10	16.5	7.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)11	14:24:00	1.0	Surface	1	1	26.40	8.00	32.30	92.6	6.20	7.0	7.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)11	14:24:00	1.0	Surface	1	2	26.70	8.00	32.20	92.7	6.20	7.7	7	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)11	14:24:00	5.8	Middle	2	1	26.30	8.00	32.30	90.1	6.10	13.1	20.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)11	14:24:00	5.8	Middle	2	2	26.50	8.00	32.20	90.7	6.10	14.1	19.2	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)11	14:24:00	10.6	Bottom	3	1	26.30	8.00	32.30	90.4	6.10	17.8	29.1	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)11	14:24:00	10.6	Bottom	3	2	26.50	8.00	32.20	91.5	6.10	18.2	27.7	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)5	15:07:00	1.0	Surface	1	1	27.30	7.90	32.30	87.0	5.80	2.9	6.7	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)5	15:07:00	1.0	Surface	1	2	27.10	8.00	32.50	86.9	5.80	2.5	7.1	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)5	15:07:00	7.0	Middle	2	1	27.00	7.90	32.30	82.6	5.50	3.8	8.7	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)5	15:07:00	7.0	Middle	2	2	26.80	8.00	32.60	82.8	5.50	3.3	9.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)5	15:07:00	13.0	Bottom	3	1	27.00	7.90	32.30	82.2	5.50	7.1	8.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	CS(Mf)5	15:07:00	13.0	Bottom	3	2	26.80	8.00	32.60	82.7	5.50	6.5	7.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR7	14:31:00	1.0	Surface	1	1	26.70	8.00	32.30	89.5	6.00	5.3	9.1	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR7	14:31:00	1.0	Surface	1	2	27.00	8.00	32.20	90.9	6.10	5.1	8.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR7	14:31:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Ebb	Fine	SR7	14:31:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Ebb	Fine	SR7	14:31:00	3.0	Bottom	3	1	26.60	8.00	32.30	91.1	6.10	5.9	10.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR7	14:31:00	3.0	Bottom	3	2	26.80	8.00	32.20	93.4	6.20	6.0	10.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS17	14:48:00	1.0	Surface	1	1	26.80	7.90	32.10	90.6	6.10	6.9	10.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS17	14:48:00	1.0	Surface	1	2	26.60	8.00	32.40	90.8	6.10	6.5	9.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS17	14:48:00	6.1	Middle	2	1	26.80	7.90	32.10	90.4	6.00	8.5	10.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS17	14:48:00	6.1	Middle	2	2	26.50	8.00	32.40	90.6	6.10	8.0	9.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS17	14:48:00	11.1	Bottom	3	1	26.80	7.90	32.10	90.3	6.00	6.7	22.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS17	14:48:00	11.1	Bottom	3	2	26.60	8.00	32.40	90.7	6.10	5.9	22.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)16	14:36:00	1.0	Surface	1	1	27.10	7.90	32.10	93.1	6.20	4.8	7.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)16	14:36:00	1.0	Surface	1	2	26.90	8.00	32.40	92.8	6.20	4.2	8.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)16	14:36:00	3.5	Middle	2	1	26.50	7.90	32.10	88.0	5.90	7.3	9.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)16	14:36:00	3.5	Middle	2	2	26.30	8.00	32.40	88.4	5.90	7.2	8.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)16	14:36:00	6.0	Bottom	3	1	26.50	7.90	32.10	87.7	5.90	9.4	10.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)16	14:36:00	6.0	Bottom	3	2	26.30	8.00	32.40	88.0	5.90	8.9	11.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS8	14:05:00	1.0	Surface	1	1	26.50	7.90	31.80	95.8	6.40	10.0	12.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS8	14:05:00	1.0	Surface	1	2	26.30	8.00	32.10	95.7	6.40	9.2	13.7	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS8	14:05:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Ebb	Fine	IS8	14:05:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Ebb	Fine	IS8	14:05:00	4.1	Bottom	3	1	26.60	7.90	32.10	89.7	6.00	11.4	17.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS8	14:05:00	4.1	Bottom	3	2	26.40	8.00	32.40	90.4	6.10	11.2	16.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR4(N)	14:15:00	1.0	Surface	1	1	27.00	7.90	32.00	91.7	6.10	7.4	10.7	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR4(N)	14:15:00	1.0	Surface	1	2	26.80	8.00	32.30	91.8	6.10	6.7	10.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR4(N)	14:15:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Ebb	Fine	SR4(N)	14:15:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Ebb	Fine	SR4(N)	14:15:00	3.5	Bottom	3	1	26.90	7.90	32.00	90.1	6.00	8.6	10	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR4(N)	14:15:00	3.5	Bottom	3	2	26.70	8.00	32.30	90.4	6.10	8.2	10.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)9	13:52:00	1.0	Surface	1	1	27.00	7.90	31.90	100.1	6.70	4.3	7.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)9	13:52:00	1.0	Surface	1	2	26.80	8.00	32.20	100.0	6.70	4.1	8.1	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)9	13:52:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)9	13:52:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)9	13:52:00	3.3	Bottom	3	1	26.40	7.90	31.90	93.9	6.30	6.5	10.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)9	13:52:00	3.3	Bottom	3	2	26.20	8.00	32.20	94.3	6.40	6.0	10.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS7	13:45:00	1.0	Surface	1	1	26.70	7.90	31.70	103.1	6.90	5.3	7.9	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS7	13:45:00	1.0	Surface	1	2	26.50	8.00	32.00	102.7	6.90	5.1	6.1	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS7	13:45:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Ebb	Fine	IS7	13:45:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Ebb	Fine	IS7	13:45:00	3.2	Bottom	3	1	26.10	7.90	31.70	97.4	6.60	8.1	10	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS7	13:45:00	3.2	Bottom	3	2	25.90	8.00	32.00	97.8	6.60	8.1	9.6	

Project	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
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)6	13:36:00	1.0	Surface	1	1	26.40	7.90	31.70	100.1	6.80	4.6	5.4	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)6	13:36:00	1.0	Surface	1	2	26.20	8.00	31.90	100.0	6.80	4.2	4	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)6	13:36:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)6	13:36:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)6	13:36:00	3.0	Bottom	3	1	25.90	7.90	31.70	93.7	6.40	7.2	10	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS(Mf)6	13:36:00	3.0	Bottom	3	2	25.70	8.00	32.00	93.9	6.40	6.5	9.5	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS5	13:26:00	1.0	Surface	1	1	26.10	7.90	31.80	95.5	6.50	5.7	7.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS5	13:26:00	1.0	Surface	1	2	25.90	8.00	32.00	95.7	6.50	5.2	7.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS5	13:26:00	5.5	Middle	2	1	26.10	7.90	31.80	94.5	6.40	6.4	7.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS5	13:26:00	5.5	Middle	2	2	25.90	8.00	32.10	94.5	6.40	6.1	8.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS5	13:26:00	10.0	Bottom	3	1	25.90	7.90	31.80	92.2	6.30	9.4	13.3	
HKBCF	2017-10-23	Mid-Ebb	Fine	IS5	13:26:00	10.0	Bottom	3	2	25.70	8.00	32.10	92.4	6.30	8.5	11.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR3(N)	13:19:00	1.0	Surface	1	1	26.20	7.90	31.80	96.5	6.50	6.8	8.6	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR3(N)	13:19:00	1.0	Surface	1	2	26.00	8.00	32.10	96.2	6.50	6.6	7.1	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR3(N)	13:19:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Ebb	Fine	SR3(N)	13:19:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Ebb	Fine	SR3(N)	13:19:00	4.3	Bottom	3	1	25.90	7.90	31.80	92.2	6.30	8.0	10.8	
HKBCF	2017-10-23	Mid-Ebb	Fine	SR3(N)	13:19:00	4.3	Bottom	3	2	25.70	8.00	32.10	92.4	6.30	8.4	11.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10A(N)	7:52:00	1.0	Surface	1	1	27.00	8.10	32.60	83.7	5.60	6.5	13.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10A(N)	7:52:00	1.0	Surface	1	2	26.80	8.10	32.50	83.5	5.60	7.8	13.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10A(N)	7:52:00	6.2	Middle	2	1	27.00	8.10	32.60	84.1	5.60	7.2	13	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10A(N)	7:52:00	6.2	Middle	2	2	26.80	8.10	32.50	84.6	5.60	7.9	12.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10A(N)	7:52:00	11.4	Bottom	3	1	27.00	8.10	32.60	83.0	5.50	6.1	16.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10A(N)	7:52:00	11.4	Bottom	3	2	26.80	8.10	32.50	82.5	5.50	6.8	15.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10B(N2)	8:04:00	1.0	Surface	1	1	27.00	8.10	32.70	82.9	5.50	7.5	8.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10B(N2)	8:04:00	1.0	Surface	1	2	26.80	8.10	32.60	82.4	5.50	8.4	7.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10B(N2)	8:04:00	5.2	Middle	2	1	27.00	8.10	32.70	82.8	5.50	7.5	11.9	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10B(N2)	8:04:00	5.2	Middle	2	2	26.80	8.10	32.60	82.4	5.50	8.4	11.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10B(N2)	8:04:00	9.3	Bottom	3	1	27.00	8.10	32.70	83.1	5.50	7.4	16.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR10B(N2)	8:04:00	9.3	Bottom	3	2	26.80	8.10	32.60	82.8	5.50	8.7	15.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	CSA	8:03:00	1.0	Surface	1	1	26.50	8.00	32.10	88.8	6.00	7.1	10	
HKBCF	2017-10-23	Mid-Flood	Sunny	CSA	8:03:00	1.0	Surface	1	2	26.70	7.90	32.50	90.2	6.00	6.7	8.8	
HKBCF	2017-10-23	Mid-Flood	Sunny	CSA	8:03:00	16.0	Middle	2	1	26.30	8.00	32.20	89.4	6.00	13.1	8.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	CSA	8:03:00	16.0	Middle	2	2	26.60	8.00	32.60	91.7	6.10	13.2	9.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	CSA	8:03:00	31.0	Bottom	3	1	26.30	8.00	32.20	90.5	6.10	15.8	9.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	CSA	8:03:00	31.0	Bottom	3	2	26.60	8.00	32.70	94.6	6.30	15.7	9.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS6	8:12:00	1.0	Surface	1	1	26.70	8.00	32.30	85.5	5.70	17.1	12.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS6	8:12:00	1.0	Surface	1	2	26.90	7.90	32.20	85.9	5.70	17.2	13.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS6	8:12:00	4.5	Middle	2	1	26.70	8.00	32.30	85.2	5.70	24.5	13.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS6	8:12:00	4.5	Middle	2	2	27.00	7.90	32.20	85.7	5.70	24.5	13.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS6	8:12:00	8.0	Bottom	3	1	26.70	8.00	32.30	87.5	5.90	26.6	21.2	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS6	8:12:00	8.0	Bottom	3	2	26.90	7.90	32.20	88.8	5.90	26.4	21.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS4	9:10:00	1.0	Surface	1	1	26.30	8.00	32.20	90.4	6.10	14.7	10	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS4	9:10:00	1.0	Surface	1	2	26.60	8.00	32.00	90.6	6.10	14.8	8.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS4	9:10:00	9.5	Middle	2	1	26.30	8.00	32.20	89.6	6.00	16.8	11.2	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS4	9:10:00	9.5	Middle	2	2	26.60	8.00	32.00	90.1	6.00	17.2	12.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS4	9:10:00	18.0	Bottom	3	1	26.30	8.00	32.20	89.7	6.00	23.5	12.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS4	9:10:00	18.0	Bottom	3	2	26.60	8.00	32.10	90.1	6.00	23.4	11.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR6	9:44:00	1.0	Surface	1	1	26.00	8.00	31.60	92.0	6.30	13.0	12.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR6	9:44:00	1.0	Surface	1	2	26.20	8.00	31.50	92.0	6.20	15.4	13.9	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR6	9:44:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	SR6	9:44:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	SR6	9:44:00	4.0	Bottom	3	1	26.00	8.00	31.80	91.5	6.20	18.8	15.2	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR6	9:44:00	4.0	Bottom	3	2	26.20	8.00	31.70	91.8	6.20	19.3	14	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)3(N)	9:24:00	1.0	Surface	1	1	26.00	8.00	32.10	91.9	6.20	11.1	9.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)3(N)	9:24:00	1.0	Surface	1	2	26.30	8.00	32.00	92.1	6.20	11.7	9.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)3(N)	9:24:00	3.8	Middle	2	1	26.00	8.00	32.10	91.7	6.20	15.0	10.8	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)3(N)	9:24:00	3.8	Middle	2	2	26.20	8.00	32.00	91.9	6.20	14.6	10.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)3(N)	9:24:00	6.5	Bottom	3	1	26.00	8.00	32.10	91.7	6.20	24.3	10.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)3(N)	9:24:00	6.5	Bottom	3	2	26.20	8.00	32.00	91.7	6.20	24.5	10.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR5(N)	8:51:00	1.0	Surface	1	1	25.90	8.00	32.30	91.9	6.20	19.9	24.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR5(N)	8:51:00	1.0	Surface	1	2	26.20	8.00	32.30	92.4	6.20	20.5	23.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR5(N)	8:51:00	4.8	Middle	2	1	25.90	8.00	32.40	91.4	6.20	23.1	27	

Project	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
HKBCF	2017-10-23	Mid-Flood	Sunny	SR5(N)	8:51:00	4.8	Middle	2	2	26.20	8.00	32.30	92.1	6.20	23.4	25.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR5(N)	8:51:00	8.5	Bottom	3	1	25.90	8.00	32.40	91.3	6.20	26.2	27.8	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR5(N)	8:51:00	8.5	Bottom	3	2	26.20	8.00	32.30	92.2	6.20	26.6	29.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS10(N)	8:45:00	1.0	Surface	1	1	26.20	8.00	32.10	90.0	6.10	13.8	15.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS10(N)	8:45:00	1.0	Surface	1	2	26.40	8.00	32.10	90.8	6.10	13.4	15.2	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS10(N)	8:45:00	6.5	Middle	2	1	26.20	8.00	32.20	90.9	6.10	15.5	16.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS10(N)	8:45:00	6.5	Middle	2	2	26.40	8.00	32.20	92.7	6.20	15.8	15.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS10(N)	8:45:00	12.0	Bottom	3	1	26.10	8.00	32.20	92.8	6.30	17.4	15.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS10(N)	8:45:00	12.0	Bottom	3	2	26.40	8.00	32.20	95.2	6.40	18.1	15.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)11	8:39:00	1.0	Surface	1	1	26.00	8.00	32.20	91.2	6.20	13.4	11.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)11	8:39:00	1.0	Surface	1	2	26.20	8.00	32.10	91.7	6.20	13.1	10.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)11	8:39:00	6.0	Middle	2	1	26.00	8.00	32.20	90.9	6.20	16.6	12.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)11	8:39:00	6.0	Middle	2	2	26.20	8.00	32.10	91.8	6.20	16.8	13	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)11	8:39:00	11.0	Bottom	3	1	26.00	8.00	32.20	90.8	6.20	17.4	17	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)11	8:39:00	11.0	Bottom	3	2	26.20	8.00	32.10	91.8	6.20	17.8	17.9	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)5	8:30:00	1.0	Surface	1	1	26.80	8.10	32.20	85.8	5.70	7.9	10	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)5	8:30:00	1.0	Surface	1	2	26.60	8.10	32.40	84.8	5.70	7.2	9.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)5	8:30:00	4.9	Middle	2	1	26.80	8.10	32.20	85.9	5.70	8.0	18.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)5	8:30:00	4.9	Middle	2	2	26.60	8.10	32.40	84.8	5.70	7.1	18.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)5	8:30:00	8.8	Bottom	3	1	26.80	8.10	32.20	85.8	5.70	13.2	22.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	CS(Mf)5	8:30:00	8.8	Bottom	3	2	26.60	8.10	32.40	84.7	5.70	11.6	23.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR7	8:32:00	1.0	Surface	1	1	25.90	8.00	32.40	91.8	6.20	17.8	21	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR7	8:32:00	1.0	Surface	1	2	26.20	8.00	32.30	92.2	6.20	18.4	21.8	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR7	8:32:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	SR7	8:32:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	SR7	8:32:00	3.1	Bottom	3	1	25.90	8.00	32.40	91.4	6.20	24.8	25.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR7	8:32:00	3.1	Bottom	3	2	26.10	8.00	32.40	92.2	6.20	24.4	25.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS17	8:51:00	1.0	Surface	1	1	26.40	8.10	32.10	90.0	6.10	5.1	9.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS17	8:51:00	1.0	Surface	1	2	26.20	8.10	32.40	89.0	6.00	4.8	9.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS17	8:51:00	4.3	Middle	2	1	26.30	8.10	32.10	90.2	6.10	5.4	9.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS17	8:51:00	4.3	Middle	2	2	26.10	8.10	32.40	89.3	6.00	4.7	10.2	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS17	8:51:00	7.6	Bottom	3	1	26.30	8.10	32.10	90.4	6.10	5.8	12.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS17	8:51:00	7.6	Bottom	3	2	26.10	8.10	32.40	89.6	6.10	5.3	13.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)16	8:59:00	1.0	Surface	1	1	26.70	8.10	32.10	88.2	5.90	7.6	11.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)16	8:59:00	1.0	Surface	1	2	26.40	8.10	32.40	87.1	5.90	7.4	10.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)16	8:59:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)16	8:59:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)16	8:59:00	4.7	Bottom	3	1	26.60	8.10	32.10	88.2	5.90	9.7	15.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)16	8:59:00	4.7	Bottom	3	2	26.30	8.10	32.40	87.6	5.90	9.3	15	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS8	9:24:00	1.0	Surface	1	1	26.30	8.10	31.90	89.6	6.10	8.1	8	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS8	9:24:00	1.0	Surface	1	2	26.00	8.10	32.20	88.7	6.00	8.0	8.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS8	9:24:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS8	9:24:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS8	9:24:00	3.1	Bottom	3	1	26.20	8.10	32.00	89.2	6.00	9.9	7.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS8	9:24:00	3.1	Bottom	3	2	26.00	8.10	32.30	88.5	6.00	10.4	7.2	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR4(N)	9:18:00	1.0	Surface	1	1	26.30	8.10	31.90	87.4	5.90	9.3	14.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR4(N)	9:18:00	1.0	Surface	1	2	26.10	8.10	32.20	86.4	5.80	9.0	14.9	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR4(N)	9:18:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	SR4(N)	9:18:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	SR4(N)	9:18:00	3.2	Bottom	3	1	26.30	8.10	32.00	87.5	5.90	11.0	16.6	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR4(N)	9:18:00	3.2	Bottom	3	2	26.10	8.10	32.30	86.9	5.90	12.0	16.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)9	9:32:00	1.0	Surface	1	1	26.20	8.10	31.80	91.8	6.20	8.9	7.3	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)9	9:32:00	1.0	Surface	1	2	26.00	8.10	32.10	91.0	6.20	8.2	6.9	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)9	9:32:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)9	9:32:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)9	9:32:00	2.4	Bottom	3	1	26.20	8.10	31.80	91.8	6.20	10.4	13.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)9	9:32:00	2.4	Bottom	3	2	26.00	8.10	32.10	91.4	6.20	9.8	14.8	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS7	9:42:00	1.0	Surface	1	1	25.80	8.10	31.60	94.9	6.50	7.0	9.8	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS7	9:42:00	1.0	Surface	1	2	25.60	8.10	31.90	93.8	6.40	6.3	9.8	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS7	9:42:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS7	9:42:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS7	9:42:00	2.3	Bottom	3	1	25.80	8.10	31.60	94.0	6.40	7.3	9.9	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS7	9:42:00	2.3	Bottom	3	2	25.60	8.10	31.90	92.9	6.30	6.5	11	

Project	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
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)6	9:50:00	1.0	Surface	1	1	25.80	8.10	31.70	94.7	6.40	11.2	8.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)6	9:50:00	1.0	Surface	1	2	25.60	8.10	31.90	93.5	6.40	10.9	8.8	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)6	9:50:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)6	9:50:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)6	9:50:00	2.0	Bottom	3	1	25.80	8.10	31.70	94.9	6.50	8.1	11.1	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS(Mf)6	9:50:00	2.0	Bottom	3	2	25.60	8.10	32.00	93.7	6.40	7.7	12.9	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS5	9:55:00	1.0	Surface	1	1	25.80	8.10	31.70	93.4	6.40	6.1	5.7	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS5	9:55:00	1.0	Surface	1	2	25.60	8.10	32.00	92.3	6.30	5.7	5.2	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS5	9:55:00	4.5	Middle	2	1	25.80	8.10	31.70	93.0	6.30	7.5	8.9	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS5	9:55:00	4.5	Middle	2	2	25.60	8.10	32.00	91.9	6.30	6.7	9	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS5	9:55:00	7.9	Bottom	3	1	25.80	8.10	31.70	93.3	6.40	7.5	12.5	
HKBCF	2017-10-23	Mid-Flood	Sunny	IS5	9:55:00	7.9	Bottom	3	2	25.60	8.10	32.00	92.5	6.30	7.1	12.2	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR3(N)	10:03:00	1.0	Surface	1	1	25.80	8.10	31.70	91.8	6.30	8.9	9.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR3(N)	10:03:00	1.0	Surface	1	2	25.60	8.10	32.00	90.8	6.20	8.2	10.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR3(N)	10:03:00		Middle	2	1								
HKBCF	2017-10-23	Mid-Flood	Sunny	SR3(N)	10:03:00		Middle	2	2								
HKBCF	2017-10-23	Mid-Flood	Sunny	SR3(N)	10:03:00	3.2	Bottom	3	1	25.70	8.10	31.70	92.0	6.30	8.9	13.4	
HKBCF	2017-10-23	Mid-Flood	Sunny	SR3(N)	10:03:00	3.2	Bottom	3	2	25.50	8.10	32.00	91.2	6.20	8.2	13.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10A(N)	16:43:00	1.0	Surface	1	1	26.90	7.80	32.30	82.0	5.50	5.5	8.9	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10A(N)	16:43:00	1.0	Surface	1	2	26.70	8.00	32.60	82.2	5.50	5.3	8.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10A(N)	16:43:00	5.8	Middle	2	1	26.90	7.80	32.30	82.0	5.50	4.9	7.7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10A(N)	16:43:00	5.8	Middle	2	2	26.70	8.00	32.60	82.1	5.50	4.7	8.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10A(N)	16:43:00	10.6	Bottom	3	1	26.90	7.80	32.30	81.8	5.50	5.3	13.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10A(N)	16:43:00	10.6	Bottom	3	2	26.70	8.00	32.60	82.1	5.50	5.6	12.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10B(N2)	16:38:00	1.0	Surface	1	1	26.90	7.80	32.30	81.9	5.50	7.2	8.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10B(N2)	16:38:00	1.0	Surface	1	2	26.70	8.00	32.60	82.1	5.50	6.6	6.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10B(N2)	16:38:00	3.9	Middle	2	1	26.90	7.80	32.30	81.5	5.40	8.3	9.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10B(N2)	16:38:00	3.9	Middle	2	2	26.70	8.00	32.60	81.8	5.50	7.5	8.9	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10B(N2)	16:38:00	6.7	Bottom	3	1	26.90	7.80	32.30	81.6	5.40	7.7	11.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR10B(N2)	16:38:00	6.7	Bottom	3	2	26.70	8.00	32.60	82.1	5.50	7.0	12.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CSA	15:53:00	1.0	Surface	1	1	26.90	7.90	32.30	83.8	5.60	5.0	9.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CSA	15:53:00	1.0	Surface	1	2	26.70	7.90	32.60	83.2	5.60	4.4	7.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CSA	15:53:00	16.4	Middle	2	1	26.90	7.90	32.30	82.6	5.50	6.4	8.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CSA	15:53:00	16.4	Middle	2	2	26.70	7.90	32.60	81.5	5.40	6.5	7.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CSA	15:53:00	31.8	Bottom	3	1	26.90	7.90	32.30	82.5	5.50	7.2	11.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CSA	15:53:00	31.8	Bottom	3	2	26.70	7.90	32.60	80.9	5.40	7.6	10.9	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS6	16:00:00	1.0	Surface	1	1	26.90	8.10	32.50	85.0	5.70	3.0	8.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS6	16:00:00	1.0	Surface	1	2	26.80	8.10	32.60	85.3	5.70	2.5	7.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS6	16:00:00	5.3	Middle	2	1	26.80	8.10	32.50	84.5	5.60	4.0	6.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS6	16:00:00	5.3	Middle	2	2	26.80	8.10	32.50	84.9	5.70	3.3	6.7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS6	16:00:00	9.5	Bottom	3	1	26.80	8.10	32.50	84.4	5.60	4.7	9.9	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS6	16:00:00	9.5	Bottom	3	2	26.80	8.10	32.50	84.7	5.70	4.2	8.4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS4	14:36:00	1.0	Surface	1	1	26.50	8.10	30.20	96.7	6.60	2.7	6.4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS4	14:36:00	1.0	Surface	1	2	26.50	8.10	30.20	96.9	6.60	2.2	5.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS4	14:36:00	10.3	Middle	2	1	26.40	8.10	32.10	93.2	6.30	3.5	7.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS4	14:36:00	10.3	Middle	2	2	26.40	8.10	32.10	93.5	6.30	2.9	6.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS4	14:36:00	19.5	Bottom	3	1	26.30	8.10	32.10	92.1	6.20	6.3	9.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS4	14:36:00	19.5	Bottom	3	2	26.30	8.10	32.10	92.4	6.20	5.6	10.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR6	14:37:00	1.0	Surface	1	1	26.70	7.90	29.80	98.2	6.70	5.1	5.7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR6	14:37:00	1.0	Surface	1	2	26.40	8.00	30.10	97.8	6.70	5.3	6.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR6	14:37:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR6	14:37:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR6	14:37:00	3.7	Bottom	3	1	26.10	8.00	31.90	96.8	6.60	8.8	7.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR6	14:37:00	3.7	Bottom	3	2	25.80	8.00	32.10	96.3	6.50	8.6	8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)3(N)	14:52:00	1.0	Surface	1	1	26.40	8.00	30.60	96.9	6.60	5.2	5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)3(N)	14:52:00	1.0	Surface	1	2	26.20	8.00	30.60	96.6	6.60	5.5	5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)3(N)	14:52:00	3.5	Middle	2	1	26.20	8.00	31.40	95.9	6.50	7.8	5.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)3(N)	14:52:00	3.5	Middle	2	2	26.00	8.00	31.50	95.2	6.50	7.6	4.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)3(N)	14:52:00	6.0	Bottom	3	1	26.20	8.00	31.70	95.8	6.50	9.2	5.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)3(N)	14:52:00	6.0	Bottom	3	2	25.90	8.00	31.80	95.0	6.50	8.5	5.7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR5(N)	15:15:00	1.0	Surface	1	1	26.40	8.00	32.10	96.3	6.50	7.0	4.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR5(N)	15:15:00	1.0	Surface	1	2	26.20	8.00	32.30	96.2	6.50	6.6	5.4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR5(N)	15:15:00	4.6	Middle	2	1	26.30	8.00	32.10	95.1	6.40	8.6	5.5	

Project	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
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR5(N)	15:15:00	4.6	Middle	2	2	26.00	8.00	32.30	94.4	6.40	9.2	5.9	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR5(N)	15:15:00	8.1	Bottom	3	1	26.20	8.00	32.10	95.1	6.40	13.2	15	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR5(N)	15:15:00	8.1	Bottom	3	2	26.00	8.00	32.30	94.0	6.40	12.7	15.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS10(N)	15:21:00	1.0	Surface	1	1	26.60	8.00	32.20	97.2	6.50	4.6	7.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS10(N)	15:21:00	1.0	Surface	1	2	26.30	8.00	32.20	97.2	6.60	5.0	6.9	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS10(N)	15:21:00	6.4	Middle	2	1	26.40	8.00	32.30	95.4	6.40	7.7	8.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS10(N)	15:21:00	6.4	Middle	2	2	26.10	8.00	32.30	94.9	6.40	7.7	9.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS10(N)	15:21:00	11.8	Bottom	3	1	26.30	8.00	32.30	94.7	6.40	13.1	8.7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS10(N)	15:21:00	11.8	Bottom	3	2	26.00	8.00	32.30	93.6	6.30	12.6	9.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)11	15:26:00	1.0	Surface	1	1	26.40	8.00	32.10	96.4	6.50	4.7	7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)11	15:26:00	1.0	Surface	1	2	26.20	8.00	32.20	96.0	6.50	5.3	6.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)11	15:26:00	5.9	Middle	2	1	26.30	8.00	32.20	95.5	6.40	6.5	6.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)11	15:26:00	5.9	Middle	2	2	26.00	8.00	32.20	94.6	6.40	6.5	6.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)11	15:26:00	10.8	Bottom	3	1	26.30	8.00	32.20	96.4	6.50	7.1	7.4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)11	15:26:00	10.8	Bottom	3	2	26.00	8.00	32.20	95.5	6.50	7.4	7.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)5	16:05:00	1.0	Surface	1	1	26.80	7.90	32.20	88.6	5.90	2.8	4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)5	16:05:00	1.0	Surface	1	2	26.60	8.00	32.50	88.4	5.90	2.5	5.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)5	16:05:00	5.6	Middle	2	1	26.80	7.80	32.20	85.4	5.70	3.4	6.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)5	16:05:00	5.6	Middle	2	2	26.60	8.00	32.50	86.1	5.80	2.9	4.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)5	16:05:00	10.2	Bottom	3	1	26.80	7.90	32.20	85.5	5.70	3.5	5.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	CS(Mf)5	16:05:00	10.2	Bottom	3	2	26.60	8.00	32.50	86.5	5.80	3.0	6.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR7	15:33:00	1.0	Surface	1	1	26.50	8.00	32.10	97.0	6.50	3.9	5.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR7	15:33:00	1.0	Surface	1	2	26.30	8.00	32.20	96.5	6.50	3.8	4.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR7	15:33:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR7	15:33:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR7	15:33:00	3.4	Bottom	3	1	26.50	8.00	32.10	96.8	6.50	3.8	7.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR7	15:33:00	3.4	Bottom	3	2	26.20	8.00	32.20	96.1	6.50	4.2	7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS17	15:48:00	1.0	Surface	1	1	26.40	7.90	32.00	94.9	6.40	4.3	6.4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS17	15:48:00	1.0	Surface	1	2	26.20	8.00	32.30	95.2	6.40	4.3	6.7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS17	15:48:00	5.0	Middle	2	1	26.40	7.90	32.00	94.6	6.40	5.0	6.7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS17	15:48:00	5.0	Middle	2	2	26.20	8.00	32.30	94.9	6.40	4.8	5.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS17	15:48:00	9.0	Bottom	3	1	26.40	7.90	32.00	94.5	6.40	5.7	6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS17	15:48:00	9.0	Bottom	3	2	26.20	8.00	32.30	94.8	6.40	5.4	6.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)16	15:40:00	1.0	Surface	1	1	26.60	7.90	32.00	98.6	6.60	3.6	5.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)16	15:40:00	1.0	Surface	1	2	26.40	8.00	32.30	98.8	6.60	3.0	5.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)16	15:40:00	3.0	Middle	2	1	26.60	7.90	32.00	98.6	6.60	3.3	6.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)16	15:40:00	3.0	Middle	2	2	26.40	8.00	32.30	98.9	6.60	2.8	6.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)16	15:40:00	5.0	Bottom	3	1	26.60	7.90	32.00	97.9	6.60	3.6	8.4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)16	15:40:00	5.0	Bottom	3	2	26.40	8.00	32.30	98.2	6.60	3.1	7	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS8	15:13:00	1.0	Surface	1	1	26.80	8.00	32.00	115.7	7.70	7.6	8.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS8	15:13:00	1.0	Surface	1	2	26.60	8.10	32.20	115.8	7.80	6.6	8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS8	15:13:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS8	15:13:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS8	15:13:00	3.1	Bottom	3	1	26.60	8.00	32.00	107.6	7.20	11.0	8.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS8	15:13:00	3.1	Bottom	3	2	26.50	8.10	32.30	108.6	7.30	10.0	8.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR4(N)	15:23:00	1.0	Surface	1	1	27.20	7.90	31.60	111.7	7.40	5.0	8.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR4(N)	15:23:00	1.0	Surface	1	2	27.00	8.00	31.80	111.4	7.40	4.4	9	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR4(N)	15:23:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR4(N)	15:23:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR4(N)	15:23:00	3.1	Bottom	3	1	26.80	7.90	31.90	102.3	6.80	5.3	5.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR4(N)	15:23:00	3.1	Bottom	3	2	26.60	8.00	32.10	102.2	6.80	5.3	6.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)9	15:04:00	1.0	Surface	1	1	26.70	7.90	32.00	110.5	7.40	8.0	10.9	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)9	15:04:00	1.0	Surface	1	2	26.40	8.10	32.30	110.1	7.40	7.7	9.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)9	15:04:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)9	15:04:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)9	15:04:00	2.8	Bottom	3	1	26.40	7.90	32.00	108.0	7.30	8.4	11.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)9	15:04:00	2.8	Bottom	3	2	26.20	8.00	32.20	108.0	7.30	8.0	10	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS7	14:57:00	1.0	Surface	1	1	26.60	8.00	31.90	114.1	7.70	6.0	7.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS7	14:57:00	1.0	Surface	1	2	26.40	8.10	32.20	114.3	7.70	5.2	7.4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS7	14:57:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS7	14:57:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS7	14:57:00	2.3	Bottom	3	1	26.60	8.00	31.90	113.4	7.60	5.2	9.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS7	14:57:00	2.3	Bottom	3	2	26.40	8.10	32.20	113.4	7.60	5.1	10.4	

Project	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
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)6	14:50:00	1.0	Surface	1	1	26.20	8.00	32.00	105.7	7.10	5.7	6.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)6	14:50:00	1.0	Surface	1	2	26.00	8.00	32.30	105.9	7.20	5.2	7.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)6	14:50:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)6	14:50:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)6	14:50:00	2.2	Bottom	3	1	26.20	8.00	32.00	106.4	7.20	6.0	7.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS(Mf)6	14:50:00	2.2	Bottom	3	2	26.00	8.00	32.20	106.9	7.20	5.6	6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS5	14:42:00	1.0	Surface	1	1	26.20	7.90	32.00	99.3	6.70	5.6	4.5	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS5	14:42:00	1.0	Surface	1	2	26.00	8.00	32.30	99.3	6.70	5.2	6.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS5	14:42:00	4.8	Middle	2	1	26.10	7.90	32.00	97.3	6.60	6.6	8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS5	14:42:00	4.8	Middle	2	2	25.90	8.00	32.30	97.5	6.60	6.3	8.1	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS5	14:42:00	8.5	Bottom	3	1	26.10	7.90	32.00	97.3	6.60	6.5	9.4	
HKBCF	2017-10-25	Mid-Ebb	Sunny	IS5	14:42:00	8.5	Bottom	3	2	25.90	8.00	32.30	97.7	6.60	6.1	8.3	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR3(N)	14:36:00	1.0	Surface	1	1	26.90	8.00	32.10	104.6	7.00	4.3	4.6	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR3(N)	14:36:00	1.0	Surface	1	2	26.60	8.00	32.30	104.7	7.00	4.1	6.2	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR3(N)	14:36:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR3(N)	14:36:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR3(N)	14:36:00	3.4	Bottom	3	1	26.30	8.00	32.00	102.4	6.90	4.8	5.8	
HKBCF	2017-10-25	Mid-Ebb	Sunny	SR3(N)	14:36:00	3.4	Bottom	3	2	26.10	8.00	32.30	102.7	6.90	4.5	6.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10A(N)	9:14:00	1.0	Surface	1	1	26.70	7.90	32.30	82.9	5.50	6.4	8.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10A(N)	9:14:00	1.0	Surface	1	2	26.50	7.90	32.50	83.4	5.60	6.2	7.1	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10A(N)	9:14:00	5.7	Middle	2	1	26.80	7.90	32.30	83.0	5.50	5.9	10.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10A(N)	9:14:00	5.7	Middle	2	2	26.50	7.90	32.50	83.5	5.60	5.7	11	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10A(N)	9:14:00	10.4	Bottom	3	1	26.80	7.90	32.30	83.0	5.50	6.7	13.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10A(N)	9:14:00	10.4	Bottom	3	2	26.50	7.90	32.60	83.6	5.60	6.0	12.8	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10B(N2)	9:25:00	1.0	Surface	1	1	26.80	7.90	32.30	81.2	5.40	7.4	11.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10B(N2)	9:25:00	1.0	Surface	1	2	26.60	7.90	32.60	81.6	5.50	6.9	10.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10B(N2)	9:25:00	3.9	Middle	2	1	26.80	7.90	32.30	81.1	5.40	7.9	11.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10B(N2)	9:25:00	3.9	Middle	2	2	26.60	7.90	32.60	81.6	5.50	7.5	10.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10B(N2)	9:25:00	6.8	Bottom	3	1	26.80	7.90	32.30	81.4	5.40	8.5	13.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR10B(N2)	9:25:00	6.8	Bottom	3	2	26.60	7.90	32.60	82.2	5.50	7.7	12.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	CSA	9:44:00	1.0	Surface	1	1	26.30	8.00	32.10	93.6	6.30	3.5	5.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	CSA	9:44:00	1.0	Surface	1	2	26.10	8.00	31.90	93.4	6.30	4.0	5.1	
HKBCF	2017-10-25	Mid-Flood	Sunny	CSA	9:44:00	16.5	Middle	2	1	26.50	7.90	32.40	88.3	5.90	5.6	7.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	CSA	9:44:00	16.5	Middle	2	2	26.30	8.00	32.20	87.3	5.90	5.3	6.8	
HKBCF	2017-10-25	Mid-Flood	Sunny	CSA	9:44:00	31.9	Bottom	3	1	26.70	7.90	32.60	86.7	5.80	9.9	9.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	CSA	9:44:00	31.9	Bottom	3	2	26.40	8.00	32.40	84.4	5.70	9.5	10.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS6	9:33:00	1.0	Surface	1	1	26.40	8.10	32.30	92.0	6.20	3.5	6	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS6	9:33:00	1.0	Surface	1	2	26.40	8.10	32.30	92.1	6.20	3.0	5.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS6	9:33:00	4.8	Middle	2	1	26.40	8.10	32.30	90.8	6.10	8.5	8.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS6	9:33:00	4.8	Middle	2	2	26.40	8.10	32.30	91.1	6.10	8.5	7.8	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS6	9:33:00	8.6	Bottom	3	1	26.40	8.10	32.30	90.7	6.10	11.3	11.1	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS6	9:33:00	8.6	Bottom	3	2	26.40	8.10	32.30	91.1	6.10	9.4	11.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS4	11:00:00	1.0	Surface	1	1	26.20	8.10	31.90	92.9	6.30	6.5	8.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS4	11:00:00	1.0	Surface	1	2	26.20	8.10	32.00	93.2	6.30	5.9	9.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS4	11:00:00	9.9	Middle	2	1	26.20	8.10	31.90	92.1	6.20	8.7	12.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS4	11:00:00	9.9	Middle	2	2	26.20	8.10	32.00	92.4	6.20	9.1	12.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS4	11:00:00	18.7	Bottom	3	1	26.20	8.10	32.00	91.3	6.20	10.7	17	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS4	11:00:00	18.7	Bottom	3	2	26.20	8.10	32.00	91.6	6.20	9.1	17.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR6	11:02:00	1.0	Surface	1	1	26.20	7.90	28.50	93.0	6.40	5.9	8.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR6	11:02:00	1.0	Surface	1	2	25.90	7.90	28.70	92.0	6.40	5.7	8.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR6	11:02:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	SR6	11:02:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	SR6	11:02:00	4.0	Bottom	3	1	26.10	7.90	29.10	93.4	6.40	6.3	8.1	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR6	11:02:00	4.0	Bottom	3	2	25.80	7.90	29.20	91.9	6.30	6.9	7.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)3(N)	10:45:00	1.0	Surface	1	1	26.20	7.90	30.00	93.9	6.40	5.2	6.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)3(N)	10:45:00	1.0	Surface	1	2	26.00	8.00	30.10	93.3	6.40	4.6	5.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)3(N)	10:45:00	3.7	Middle	2	1	26.20	7.90	30.20	93.6	6.40	5.3	6.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)3(N)	10:45:00	3.7	Middle	2	2	25.90	8.00	30.40	92.7	6.40	6.0	8	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)3(N)	10:45:00	6.3	Bottom	3	1	26.20	7.90	30.70	94.3	6.40	7.9	7.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)3(N)	10:45:00	6.3	Bottom	3	2	25.90	8.00	30.80	93.2	6.40	7.5	7.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR5(N)	10:25:00	1.0	Surface	1	1	26.20	8.00	31.90	94.8	6.40	10.4	10.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR5(N)	10:25:00	1.0	Surface	1	2	26.00	8.00	31.90	94.2	6.40	10.3	11.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR5(N)	10:25:00	4.7	Middle	2	1	26.10	8.00	31.90	94.0	6.40	16.5	12.2	

Project	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
HKBCF	2017-10-25	Mid-Flood	Sunny	SR5(N)	10:25:00	4.7	Middle	2	2	25.90	8.00	31.90	93.1	6.30	16.2	13	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR5(N)	10:25:00	8.4	Bottom	3	1	26.20	8.00	32.10	93.7	6.30	24.7	17.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR5(N)	10:25:00	8.4	Bottom	3	2	25.90	8.00	32.10	92.4	6.30	23.8	16.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS10(N)	10:20:00	1.0	Surface	1	1	26.20	8.00	32.20	93.9	6.30	9.1	9.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS10(N)	10:20:00	1.0	Surface	1	2	25.90	8.00	32.20	93.2	6.30	9.4	8.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS10(N)	10:20:00	6.5	Middle	2	1	26.20	8.00	32.20	93.5	6.30	12.0	11.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS10(N)	10:20:00	6.5	Middle	2	2	25.90	8.00	32.20	92.6	6.30	12.1	12.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS10(N)	10:20:00	12.0	Bottom	3	1	26.20	8.00	32.20	93.8	6.30	15.8	13.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS10(N)	10:20:00	12.0	Bottom	3	2	25.90	8.00	32.20	92.7	6.30	16.3	14.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)11	10:14:00	1.0	Surface	1	1	26.10	8.00	31.90	96.0	6.50	7.1	11.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)11	10:14:00	1.0	Surface	1	2	25.80	8.00	32.00	95.6	6.50	7.0	12.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)11	10:14:00	5.9	Middle	2	1	26.10	8.00	31.90	95.1	6.40	9.9	10.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)11	10:14:00	5.9	Middle	2	2	25.90	8.00	32.00	94.6	6.40	9.9	11.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)11	10:14:00	10.8	Bottom	3	1	26.10	8.00	32.00	94.7	6.40	15.0	11.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)11	10:14:00	10.8	Bottom	3	2	25.90	8.00	32.10	93.8	6.40	14.1	10.1	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)5	9:53:00	1.0	Surface	1	1	26.60	7.90	32.20	86.1	5.80	9.8	7.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)5	9:53:00	1.0	Surface	1	2	26.30	8.00	32.40	86.4	5.80	9.6	7.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)5	9:53:00	5.4	Middle	2	1	26.60	7.90	32.20	85.6	5.70	13.8	18.8	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)5	9:53:00	5.4	Middle	2	2	26.40	8.00	32.50	86.0	5.80	13.9	19.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)5	9:53:00	9.8	Bottom	3	1	26.60	7.90	32.20	85.9	5.80	14.2	20.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	CS(Mf)5	9:53:00	9.8	Bottom	3	2	26.40	8.00	32.40	86.4	5.80	13.0	19.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR7	10:07:00	1.0	Surface	1	1	26.30	8.00	32.00	93.2	6.30	11.5	14.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR7	10:07:00	1.0	Surface	1	2	26.00	8.00	32.10	92.8	6.30	11.3	14.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR7	10:07:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	SR7	10:07:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	SR7	10:07:00	3.7	Bottom	3	1	26.20	8.00	32.10	92.2	6.20	35.9	26.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR7	10:07:00	3.7	Bottom	3	2	26.00	8.00	32.10	91.5	6.20	35.8	26.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS17	10:14:00	1.0	Surface	1	1	26.10	7.90	31.90	93.4	6.30	4.8	7.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS17	10:14:00	1.0	Surface	1	2	25.90	8.00	32.20	93.5	6.30	4.4	8.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS17	10:14:00	4.9	Middle	2	1	26.10	7.90	32.00	91.7	6.20	6.0	8.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS17	10:14:00	4.9	Middle	2	2	25.90	8.00	32.20	91.9	6.20	5.2	8.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS17	10:14:00	8.8	Bottom	3	1	26.10	7.90	32.00	91.2	6.20	7.4	8.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS17	10:14:00	8.8	Bottom	3	2	26.10	7.90	32.00	91.2	6.20	7.4	8.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)16	10:21:00	1.0	Surface	1	1	26.30	7.90	32.10	91.2	6.10	15.3	22.8	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)16	10:21:00	1.0	Surface	1	2	26.10	8.00	32.40	91.5	6.20	14.2	22	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)16	10:21:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)16	10:21:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)16	10:21:00	4.7	Bottom	3	1	26.20	7.90	32.10	90.6	6.10	16.7	24.8	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)16	10:21:00	4.7	Bottom	3	2	26.00	8.00	32.40	90.8	6.10	15.7	23.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS8	10:50:00	1.0	Surface	1	1	26.40	7.90	32.00	95.4	6.40	16.9	18.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS8	10:50:00	1.0	Surface	1	2	26.20	8.00	32.30	95.5	6.40	16.4	19.8	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS8	10:50:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS8	10:50:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS8	10:50:00	2.6	Bottom	3	1	26.30	7.90	32.10	93.7	6.30	19.9	18.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS8	10:50:00	2.6	Bottom	3	2	26.10	8.00	32.30	94.0	6.30	19.0	19	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR4(N)	10:44:00	1.0	Surface	1	1	26.30	7.90	32.10	89.7	6.00	17.4	14.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR4(N)	10:44:00	1.0	Surface	1	2	26.10	8.00	32.40	90.0	6.10	18.8	15.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR4(N)	10:44:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	SR4(N)	10:44:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	SR4(N)	10:44:00	2.8	Bottom	3	1	26.30	7.90	32.10	89.7	6.00	18.0	19.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR4(N)	10:44:00	2.8	Bottom	3	2	26.10	8.00	32.40	90.0	6.10	21.2	18.1	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)9	10:59:00	1.0	Surface	1	1	25.90	7.90	31.90	101.0	6.90	11.3	13.3	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)9	10:59:00	1.0	Surface	1	2	25.70	8.00	32.20	101.4	6.90	10.9	12.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)9	10:59:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)9	10:59:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)9	10:59:00	2.4	Bottom	3	1	25.90	7.90	31.90	101.3	6.90	10.9	16.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)9	10:59:00	2.4	Bottom	3	2	25.70	8.00	32.20	101.6	6.90	9.8	16.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS7	11:09:00	1.0	Surface	1	1	25.90	7.90	31.90	101.6	6.90	7.2	10.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS7	11:09:00	1.0	Surface	1	2	25.70	8.00	32.20	101.9	6.90	7.1	10.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS7	11:09:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS7	11:09:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS7	11:09:00	2.1	Bottom	3	1	25.90	7.90	31.90	100.8	6.80	7.5	9.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS7	11:09:00	2.1	Bottom	3	2	25.70	8.00	32.20	100.6	6.80	7.3	10.7	

Project	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
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)6	11:16:00	1.0	Surface	1	1	26.10	7.90	32.10	100.1	6.80	8.3	11.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)6	11:16:00	1.0	Surface	1	2	25.90	8.00	32.40	100.4	6.80	8.1	11.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)6	11:16:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)6	11:16:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)6	11:16:00	2.0	Bottom	3	1	26.10	7.90	32.10	100.2	6.80	8.6	10.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS(Mf)6	11:16:00	2.0	Bottom	3	2	25.90	8.00	32.40	100.2	6.80	8.0	10.5	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS5	11:21:00	1.0	Surface	1	1	26.00	7.90	31.90	97.5	6.60	6.2	9	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS5	11:21:00	1.0	Surface	1	2	25.80	8.00	32.20	97.7	6.60	5.9	9.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS5	11:21:00	4.7	Middle	2	1	26.00	7.90	32.00	95.4	6.50	6.7	8.4	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS5	11:21:00	4.7	Middle	2	2	25.80	8.00	32.30	95.6	6.50	6.3	10.7	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS5	11:21:00	8.3	Bottom	3	1	26.00	7.90	32.00	95.3	6.50	7.1	9	
HKBCF	2017-10-25	Mid-Flood	Sunny	IS5	11:21:00	8.3	Bottom	3	2	25.80	8.00	32.30	95.7	6.50	6.7	10.2	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR3(N)	11:32:00	1.0	Surface	1	1	26.00	7.90	32.00	96.2	6.50	6.8	6.6	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR3(N)	11:32:00	1.0	Surface	1	2	25.80	8.00	32.30	96.4	6.50	6.3	6.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR3(N)	11:32:00		Middle	2	1								
HKBCF	2017-10-25	Mid-Flood	Sunny	SR3(N)	11:32:00		Middle	2	2								
HKBCF	2017-10-25	Mid-Flood	Sunny	SR3(N)	11:32:00	2.8	Bottom	3	1	26.00	7.90	32.00	95.7	6.50	7.3	10.9	
HKBCF	2017-10-25	Mid-Flood	Sunny	SR3(N)	11:32:00	2.8	Bottom	3	2	25.80	8.00	32.30	96.0	6.50	6.6	11.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10A(N)	3:40:00	1.0	Surface	1	1	26.60	7.90	32.00	83.7	5.60	1.9	4	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10A(N)	3:40:00	1.0	Surface	1	2	26.40	7.90	32.20	83.8	5.60	1.7	4.6	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10A(N)	3:40:00	5.3	Middle	2	1	26.80	7.90	32.20	81.2	5.40	2.6	3.6	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10A(N)	3:40:00	5.3	Middle	2	2	26.50	7.90	32.50	81.4	5.50	2.2	4.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10A(N)	3:40:00	9.6	Bottom	3	1	26.80	7.90	32.30	80.9	5.40	2.9	7.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10A(N)	3:40:00	9.6	Bottom	3	2	26.60	7.90	32.50	81.2	5.40	2.4	7.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10B(N2)	3:53:00	1.0	Surface	1	1	26.60	7.90	32.10	83.2	5.60	2.8	4.7	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10B(N2)	3:53:00	1.0	Surface	1	2	26.40	7.90	32.30	83.6	5.60	2.4	4.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10B(N2)	3:53:00	4.0	Middle	2	1	26.70	7.90	32.20	82.5	5.50	3.3	3.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10B(N2)	3:53:00	4.0	Middle	2	2	26.50	7.90	32.40	83.1	5.60	2.9	4.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10B(N2)	3:53:00	7.0	Bottom	3	1	26.60	7.90	32.10	84.2	5.60	2.9	4.6	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR10B(N2)	3:53:00	7.0	Bottom	3	2	26.40	7.90	32.40	84.9	5.70	2.7	5.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	CSA	4:03:00	1.0	Surface	1	1	25.90	7.90	29.90	88.6	6.10	1.4	3.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	CSA	4:03:00	1.0	Surface	1	2	25.70	8.00	29.90	88.8	6.10	1.6	3	
HKBCF	2017-10-27	Mid-Ebb	Fine	CSA	4:03:00	16.1	Middle	2	1	26.80	7.90	32.20	84.5	5.60	2.0	3.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	CSA	4:03:00	16.1	Middle	2	2	26.60	7.90	32.10	83.3	5.60	2.3	5.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	CSA	4:03:00	31.2	Bottom	3	1	26.80	7.90	32.40	82.7	5.50	4.4	4.3	
HKBCF	2017-10-27	Mid-Ebb	Fine	CSA	4:03:00	31.2	Bottom	3	2	26.60	7.90	32.10	80.5	5.40	4.4	4.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS6	4:15:00	1.0	Surface	1	1	26.30	8.20	30.90	94.9	6.40	3.3	3.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS6	4:15:00	1.0	Surface	1	2	26.30	8.10	31.00	94.5	6.40	4.0	2.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS6	4:15:00	4.8	Middle	2	1	26.50	8.20	31.70	92.2	6.20	3.8	3.3	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS6	4:15:00	4.8	Middle	2	2	26.50	8.10	31.70	91.7	6.20	4.4	4.6	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS6	4:15:00	8.6	Bottom	3	1	26.60	8.20	32.20	88.1	5.90	4.5	5.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS6	4:15:00	8.6	Bottom	3	2	26.60	8.10	32.20	87.7	5.90	5.1	6.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS4	5:34:00	1.0	Surface	1	1	26.30	8.10	29.40	95.1	6.50	3.4	5.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS4	5:34:00	1.0	Surface	1	2	26.30	8.10	29.50	94.6	6.50	4.0	5.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS4	5:34:00	9.8	Middle	2	1	26.30	8.20	31.10	92.9	6.30	4.1	5.6	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS4	5:34:00	9.8	Middle	2	2	26.40	8.10	31.10	92.4	6.30	4.7	6.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS4	5:34:00	18.5	Bottom	3	1	26.30	8.20	31.70	90.7	6.10	4.7	6.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS4	5:34:00	18.5	Bottom	3	2	26.30	8.10	31.70	90.2	6.10	5.3	6.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR6	5:49:00	1.0	Surface	1	1	25.70	7.90	28.10	97.1	6.80	2.6	6	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR6	5:49:00	1.0	Surface	1	2	25.40	8.00	28.20	96.7	6.80	2.8	5	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR6	5:49:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	SR6	5:49:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	SR6	5:49:00	3.9	Bottom	3	1	26.10	7.90	31.00	97.2	6.60	6.0	8.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR6	5:49:00	3.9	Bottom	3	2	25.80	8.00	31.20	95.9	6.50	6.2	7.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)3(N)	5:27:00	1.0	Surface	1	1	25.80	8.00	28.40	97.6	6.80	2.3	5.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)3(N)	5:27:00	1.0	Surface	1	2	25.50	8.00	28.50	97.0	6.80	2.5	3.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)3(N)	5:27:00	3.5	Middle	2	1	26.20	8.00	29.90	97.3	6.70	3.0	8.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)3(N)	5:27:00	3.5	Middle	2	2	25.90	8.00	30.00	96.5	6.60	3.7	9.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)3(N)	5:27:00	6.0	Bottom	3	1	26.20	8.00	31.10	97.7	6.60	4.8	10.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)3(N)	5:27:00	6.0	Bottom	3	2	25.90	8.00	31.10	96.6	6.60	5.3	9.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR5(N)	5:00:00	1.0	Surface	1	1	26.00	8.00	29.30	96.6	6.70	3.3	5.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR5(N)	5:00:00	1.0	Surface	1	2	25.70	8.00	29.40	96.4	6.70	3.7	4.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR5(N)	5:00:00	4.7	Middle	2	1	26.20	8.00	30.20	94.6	6.40	5.8	9.2	

Project	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
HKBCF	2017-10-27	Mid-Ebb	Fine	SR5(N)	5:00:00	4.7	Middle	2	2	26.00	8.00	30.40	93.9	6.40	6.1	8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR5(N)	5:00:00	8.3	Bottom	3	1	26.30	8.00	31.10	93.9	6.40	5.9	8.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR5(N)	5:00:00	8.3	Bottom	3	2	26.00	8.00	31.20	92.7	6.30	6.0	8.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS10(N)	4:53:00	1.0	Surface	1	1	26.10	8.00	29.30	96.8	6.60	6.9	6.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS10(N)	4:53:00	1.0	Surface	1	2	25.80	8.00	29.40	96.6	6.70	6.6	5	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS10(N)	4:53:00	6.4	Middle	2	1	26.30	8.00	30.90	93.5	6.30	4.8	11	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS10(N)	4:53:00	6.4	Middle	2	2	26.00	8.00	31.00	92.5	6.30	5.0	10.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS10(N)	4:53:00	11.7	Bottom	3	1	26.40	8.00	31.50	93.4	6.30	4.7	11.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS10(N)	4:53:00	11.7	Bottom	3	2	26.10	8.00	31.60	91.7	6.20	5.2	10.7	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)11	4:45:00	1.0	Surface	1	1	26.00	8.00	29.20	98.0	6.80	3.7	6.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)11	4:45:00	1.0	Surface	1	2	25.70	8.00	29.40	97.5	6.70	3.9	6.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)11	4:45:00	5.8	Middle	2	1	26.30	8.00	30.60	95.5	6.50	4.5	5	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)11	4:45:00	5.8	Middle	2	2	26.00	8.00	30.80	94.4	6.40	4.2	6.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)11	4:45:00	10.5	Bottom	3	1	26.40	8.00	31.30	97.2	6.60	4.7	8	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)11	4:45:00	10.5	Bottom	3	2	26.10	8.00	31.50	95.3	6.50	4.5	9.3	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)5	4:27:00	1.0	Surface	1	1	26.20	7.90	30.00	95.2	6.50	1.8	5	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)5	4:27:00	1.0	Surface	1	2	26.00	8.00	30.30	95.5	6.50	1.7	4.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)5	4:27:00	4.6	Middle	2	1	26.40	8.00	31.50	93.4	6.30	2.2	5.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)5	4:27:00	4.6	Middle	2	2	26.20	8.00	31.70	93.8	6.30	1.9	4.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)5	4:27:00	8.1	Bottom	3	1	26.40	8.00	31.50	93.7	6.30	2.4	5.6	
HKBCF	2017-10-27	Mid-Ebb	Fine	CS(Mf)5	4:27:00	8.1	Bottom	3	2	26.20	8.00	31.70	94.0	6.40	2.1	4.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR7	4:36:00	1.0	Surface	1	1	26.20	8.00	29.50	97.5	6.70	3.3	5.7	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR7	4:36:00	1.0	Surface	1	2	25.90	8.00	29.60	96.0	6.60	4.0	6.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR7	4:36:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	SR7	4:36:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	SR7	4:36:00	3.5	Bottom	3	1	26.30	8.00	30.80	98.4	6.70	3.8	7.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR7	4:36:00	3.5	Bottom	3	2	26.10	8.00	30.70	96.4	6.60	3.9	7.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS17	4:54:00	1.0	Surface	1	1	26.30	7.90	30.40	95.6	6.50	4.1	5.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS17	4:54:00	1.0	Surface	1	2	26.10	8.00	30.60	95.8	6.50	4.1	4.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS17	4:54:00	3.9	Middle	2	1	26.30	7.90	30.80	95.5	6.50	4.0	5.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS17	4:54:00	3.9	Middle	2	2	26.10	8.00	31.10	95.7	6.50	3.7	4.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS17	4:54:00	6.8	Bottom	3	1	26.30	7.90	31.00	95.7	6.50	4.1	7.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS17	4:54:00	6.8	Bottom	3	2	26.10	8.00	31.20	96.1	6.50	3.5	7.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)16	5:00:00	1.0	Surface	1	1	26.00	8.00	30.80	100.8	6.90	3.3	4.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)16	5:00:00	1.0	Surface	1	2	25.70	8.00	31.00	101.0	6.90	3.0	5.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)16	5:00:00	3.0	Middle	2	1	26.00	8.00	31.10	101.3	6.90	3.7	7.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)16	5:00:00	3.0	Middle	2	2	25.80	8.00	31.30	101.5	6.90	3.1	7	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)16	5:00:00	5.0	Bottom	3	1	26.30	7.90	31.80	102.9	6.90	9.0	8	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)16	5:00:00	5.0	Bottom	3	2	26.20	8.00	32.10	103.1	7.00	9.2	9.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS8	5:28:00	1.0	Surface	1	1	26.20	7.90	31.80	108.5	7.30	5.3	5.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS8	5:28:00	1.0	Surface	1	2	26.00	8.10	32.00	108.6	7.40	5.1	4.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS8	5:28:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS8	5:28:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS8	5:28:00	2.8	Bottom	3	1	26.20	7.90	31.80	108.2	7.30	5.7	6.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS8	5:28:00	2.8	Bottom	3	2	26.00	8.10	32.10	108.4	7.30	5.8	6.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR4(N)	5:24:00	1.0	Surface	1	1	26.30	8.00	31.10	104.9	7.10	3.8	3.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR4(N)	5:24:00	1.0	Surface	1	2	26.10	8.10	31.30	105.4	7.20	3.7	4	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR4(N)	5:24:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	SR4(N)	5:24:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	SR4(N)	5:24:00	2.1	Bottom	3	1	26.30	8.00	31.10	105.1	7.10	4.4	6.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR4(N)	5:24:00	2.1	Bottom	3	2	26.10	8.10	31.40	105.1	7.10	3.9	6.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)9	5:38:00	1.0	Surface	1	1	25.90	7.90	31.10	104.6	7.10	3.0	5.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)9	5:38:00	1.0	Surface	1	2	25.60	8.10	31.20	104.0	7.10	2.7	6.1	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)9	5:38:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)9	5:38:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)9	5:38:00	2.1	Bottom	3	1	26.40	7.90	31.80	107.2	7.20	7.2	5.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)9	5:38:00	2.1	Bottom	3	2	26.20	8.10	32.00	107.2	7.20	6.9	5.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS7	5:49:00	1.0	Surface	1	1	26.40	7.90	31.40	105.4	7.10	3.8	3.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS7	5:49:00	1.0	Surface	1	2	26.20	8.00	31.70	105.5	7.10	3.6	4.3	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS7	5:49:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS7	5:49:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS7	5:49:00	2.2	Bottom	3	1	26.20	7.90	31.70	105.3	7.10	3.8	7.5	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS7	5:49:00	2.2	Bottom	3	2	26.00	8.00	32.00	105.3	7.10	3.7	6.4	

Project	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
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)6	5:56:00		Surface	1	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)6	5:56:00		Surface	1	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)6	5:56:00	1.4	Middle	2	1	25.90	7.90	31.30	99.0	6.80	2.7	5.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)6	5:56:00	1.4	Middle	2	2	25.70	8.00	31.60	99.3	6.80	2.5	4.7	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)6	5:56:00		Bottom	3	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS(Mf)6	5:56:00		Bottom	3	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	IS5	6:03:00	1.0	Surface	1	1	26.20	7.90	31.50	96.4	6.50	4.0	4.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS5	6:03:00	1.0	Surface	1	2	26.00	8.00	31.80	96.5	6.50	3.6	4.4	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS5	6:03:00	4.5	Middle	2	1	26.20	7.90	31.50	96.4	6.50	3.8	4.9	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS5	6:03:00	4.5	Middle	2	2	26.00	8.00	31.80	96.6	6.50	3.7	3.3	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS5	6:03:00	8.0	Bottom	3	1	26.10	7.90	31.60	96.1	6.50	4.5	5.2	
HKBCF	2017-10-27	Mid-Ebb	Fine	IS5	6:03:00	8.0	Bottom	3	2	26.00	8.00	31.90	96.4	6.50	4.2	6.7	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR3(N)	6:11:00	1.0	Surface	1	1	26.10	7.90	31.60	96.4	6.50	4.6	6.8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR3(N)	6:11:00	1.0	Surface	1	2	25.90	8.00	31.80	96.5	6.60	4.4	7	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR3(N)	6:11:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Ebb	Fine	SR3(N)	6:11:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Ebb	Fine	SR3(N)	6:11:00	2.8	Bottom	3	1	26.10	7.90	31.60	96.3	6.50	5.2	8	
HKBCF	2017-10-27	Mid-Ebb	Fine	SR3(N)	6:11:00	2.8	Bottom	3	2	25.90	8.00	31.80	96.5	6.60	4.4	8.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10A(N)	17:54:00	1.0	Surface	1	1	26.50	8.00	32.20	85.1	5.70	2.8	3.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10A(N)	17:54:00	1.0	Surface	1	2	26.70	8.00	32.00	85.2	5.70	3.0	4.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10A(N)	17:54:00	5.6	Middle	2	1	26.60	7.90	32.30	83.2	5.60	4.2	7.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10A(N)	17:54:00	5.6	Middle	2	2	26.80	7.90	32.10	82.9	5.50	4.3	6.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10A(N)	17:54:00	10.1	Bottom	3	1	26.60	7.90	32.30	83.5	5.60	3.6	8.9	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10A(N)	17:54:00	10.1	Bottom	3	2	26.80	7.90	32.10	83.1	5.60	3.6	10	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10B(N2)	17:48:00	1.0	Surface	1	1	26.60	7.90	32.40	83.6	5.60	3.5	4.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10B(N2)	17:48:00	1.0	Surface	1	2	26.80	7.90	32.20	83.3	5.60	3.8	5.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10B(N2)	17:48:00	4.2	Middle	2	1	26.60	7.90	32.50	83.0	5.60	4.0	6	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10B(N2)	17:48:00	4.2	Middle	2	2	26.80	7.90	32.20	82.5	5.50	4.2	7.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10B(N2)	17:48:00	7.4	Bottom	3	1	26.60	7.90	32.50	83.1	5.60	4.1	11.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR10B(N2)	17:48:00	7.4	Bottom	3	2	26.80	7.90	32.20	82.8	5.50	4.4	11	
HKBCF	2017-10-27	Mid-Flood	Sunny	CSA	17:41:00	1.0	Surface	1	1	26.70	7.90	31.70	91.6	6.10	1.8	6.1	
HKBCF	2017-10-27	Mid-Flood	Sunny	CSA	17:41:00	1.0	Surface	1	2	26.40	8.00	31.80	91.5	6.20	2.0	6.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	CSA	17:41:00	16.4	Middle	2	1	26.80	7.90	32.00	86.5	5.80	3.8	7.1	
HKBCF	2017-10-27	Mid-Flood	Sunny	CSA	17:41:00	16.4	Middle	2	2	26.50	7.90	32.10	85.7	5.80	3.9	6.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	CSA	17:41:00	31.7	Bottom	3	1	26.80	7.90	32.00	85.4	5.70	6.6	9	
HKBCF	2017-10-27	Mid-Flood	Sunny	CSA	17:41:00	31.7	Bottom	3	2	26.50	7.90	32.20	83.7	5.60	6.5	8.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS6	17:07:00	1.0	Surface	1	1	26.60	8.20	31.10	103.6	7.00	2.5	5.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS6	17:07:00	1.0	Surface	1	2	26.60	8.10	31.10	103.6	7.00	2.9	4.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS6	17:07:00	4.9	Middle	2	1	26.60	8.10	31.80	93.4	6.30	3.3	5	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS6	17:07:00	4.9	Middle	2	2	26.70	8.10	31.80	93.1	6.20	3.6	6.6	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS6	17:07:00	8.8	Bottom	3	1	26.60	8.10	32.10	87.7	5.90	3.7	5.1	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS6	17:07:00	8.8	Bottom	3	2	26.70	8.10	32.10	87.4	5.90	4.4	5.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS4	15:54:00	1.0	Surface	1	1	26.50	8.20	28.90	112.3	7.70	4.0	7.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS4	15:54:00	1.0	Surface	1	2	26.60	8.20	28.90	112.3	7.70	4.8	6.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS4	15:54:00	9.8	Middle	2	1	26.50	8.20	31.10	98.3	6.60	3.9	6.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS4	15:54:00	9.8	Middle	2	2	26.50	8.10	31.10	98.2	6.60	4.5	6.6	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS4	15:54:00	18.6	Bottom	3	1	26.50	8.20	31.20	96.9	6.50	4.1	9.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS4	15:54:00	18.6	Bottom	3	2	26.50	8.10	31.20	96.6	6.50	4.5	8.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR6	16:18:00	1.0	Surface	1	1	26.60	8.00	26.80	108.1	7.50	2.5	3.9	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR6	16:18:00	1.0	Surface	1	2	26.30	8.00	26.90	108.5	7.50	2.4	3.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR6	16:18:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	SR6	16:18:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	SR6	16:18:00	3.9	Bottom	3	1	26.30	8.00	29.40	104.5	7.10	4.0	5.6	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR6	16:18:00	3.9	Bottom	3	2	26.10	8.00	29.30	104.9	7.20	3.9	4.7	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)3(N)	16:35:00	1.0	Surface	1	1	26.60	8.00	26.50	101.3	7.00	3.0	4.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)3(N)	16:35:00	1.0	Surface	1	2	26.40	8.00	26.80	102.0	7.10	3.4	4.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)3(N)	16:35:00	3.6	Middle	2	1	26.40	7.90	28.80	95.2	6.50	5.7	4.7	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)3(N)	16:35:00	3.6	Middle	2	2	26.20	8.00	29.10	94.5	6.50	5.7	5.7	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)3(N)	16:35:00	6.1	Bottom	3	1	26.40	8.00	29.40	95.6	6.50	7.3	6.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)3(N)	16:35:00	6.1	Bottom	3	2	26.10	8.00	29.70	94.8	6.50	7.6	6.7	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR5(N)	16:58:00	1.0	Surface	1	1	26.30	8.00	30.50	99.1	6.70	4.5	6.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR5(N)	16:58:00	1.0	Surface	1	2	26.10	8.00	30.70	99.8	6.80	4.7	5.1	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR5(N)	16:58:00	4.8	Middle	2	1	26.30	8.00	31.00	95.8	6.50	6.3	5.2	

Project	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
HKBCF	2017-10-27	Mid-Flood	Sunny	SR5(N)	16:58:00	4.8	Middle	2	2	26.10	8.00	31.20	95.7	6.50	6.6	5.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR5(N)	16:58:00	8.5	Bottom	3	1	26.50	7.90	31.20	94.5	6.40	7.1	5.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR5(N)	16:58:00	8.5	Bottom	3	2	26.20	8.00	31.40	92.8	6.30	7.2	5.7	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS10(N)	17:04:00	1.0	Surface	1	1	26.60	8.10	29.10	104.9	7.10	3.2	3.9	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS10(N)	17:04:00	1.0	Surface	1	2	26.40	8.10	29.30	107.1	7.30	3.3	4.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS10(N)	17:04:00	6.5	Middle	2	1	26.40	8.00	31.10	93.9	6.40	6.6	9.1	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS10(N)	17:04:00	6.5	Middle	2	2	26.20	8.00	31.20	92.9	6.30	6.5	9.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS10(N)	17:04:00	11.9	Bottom	3	1	26.50	7.90	31.30	94.7	6.40	6.7	9.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS10(N)	17:04:00	11.9	Bottom	3	2	26.30	8.00	31.40	93.1	6.30	6.4	9	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)11	17:10:00	1.0	Surface	1	1	26.40	8.10	30.20	107.9	7.30	3.4	3.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)11	17:10:00	1.0	Surface	1	2	26.20	8.10	30.30	109.2	7.50	3.4	4.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)11	17:10:00	5.9	Middle	2	1	26.40	8.00	30.70	99.8	6.80	5.6	6.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)11	17:10:00	5.9	Middle	2	2	26.10	8.00	30.80	100.3	6.80	5.2	5.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)11	17:10:00	10.8	Bottom	3	1	26.40	8.00	31.20	94.0	6.40	10.5	9.6	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)11	17:10:00	10.8	Bottom	3	2	26.10	8.00	31.30	93.4	6.30	10.8	8.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)5	17:16:00	1.0	Surface	1	1	26.40	8.00	31.50	95.2	6.40	1.4	7.1	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)5	17:16:00	1.0	Surface	1	2	26.60	7.90	31.30	95.2	6.40	1.6	6.6	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)5	17:16:00	5.3	Middle	2	1	26.40	8.00	32.10	86.2	5.80	1.5	10.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)5	17:16:00	5.3	Middle	2	2	26.60	7.90	31.80	85.7	5.80	1.8	9.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)5	17:16:00	9.6	Bottom	3	1	26.40	8.00	32.10	86.4	5.80	2.4	9.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	CS(Mf)5	17:16:00	9.6	Bottom	3	2	26.60	7.80	31.80	85.8	5.80	2.8	9.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR7	17:18:00	1.0	Surface	1	1	26.60	8.00	30.50	103.8	7.00	2.3	6.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR7	17:18:00	1.0	Surface	1	2	26.30	8.00	30.60	104.5	7.10	2.3	6.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR7	17:18:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	SR7	17:18:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	SR7	17:18:00	3.9	Bottom	3	1	26.50	8.00	31.10	98.6	6.70	4.7	6.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR7	17:18:00	3.9	Bottom	3	2	26.30	8.00	31.20	97.2	6.60	5.0	6.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS17	16:59:00	1.0	Surface	1	1	26.30	8.10	30.80	105.6	7.20	1.5	5.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS17	16:59:00	1.0	Surface	1	2	26.50	8.00	30.60	105.4	7.10	1.5	6.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS17	16:59:00	4.0	Middle	2	1	26.40	8.00	30.90	103.4	7.00	1.4	8.1	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS17	16:59:00	4.0	Middle	2	2	26.50	7.90	30.70	103.1	7.00	1.3	8.9	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS17	16:59:00	6.9	Bottom	3	1	26.30	8.00	31.50	97.1	6.60	1.5	11.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS17	16:59:00	6.9	Bottom	3	2	26.50	7.90	31.20	96.5	6.50	1.5	11.7	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)16	16:48:00	1.0	Surface	1	1	26.20	8.10	30.40	110.2	7.50	2.7	6.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)16	16:48:00	1.0	Surface	1	2	26.30	8.00	30.20	110.6	7.50	3.0	7.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)16	16:48:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)16	16:48:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)16	16:48:00	4.9	Bottom	3	1	26.10	8.00	31.20	97.7	6.60	5.5	11.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)16	16:48:00	4.9	Bottom	3	2	26.30	7.90	30.90	96.8	6.60	5.9	11.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS8	16:25:00	1.0	Surface	1	1	26.20	8.10	30.40	111.7	7.60	7.4	11.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS8	16:25:00	1.0	Surface	1	2	26.40	8.00	30.10	111.2	7.60	7.8	12.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS8	16:25:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS8	16:25:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS8	16:25:00	3.5	Bottom	3	1	26.20	8.10	30.50	110.8	7.50	8.3	14.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS8	16:25:00	3.5	Bottom	3	2	26.40	8.00	30.20	110.4	7.50	8.1	14.9	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR4(N)	16:32:00	1.0	Surface	1	1	26.30	8.10	30.10	117.1	8.00	3.1	9.7	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR4(N)	16:32:00	1.0	Surface	1	2	26.50	8.00	29.80	116.7	7.90	3.4	8.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR4(N)	16:32:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	SR4(N)	16:32:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	SR4(N)	16:32:00	2.3	Bottom	3	1	26.40	8.10	30.10	117.0	8.00	3.4	11.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR4(N)	16:32:00	2.3	Bottom	3	2	26.50	8.00	29.80	116.9	7.90	2.9	10.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)9	16:15:00	1.0	Surface	1	1	26.30	8.10	30.60	116.9	7.90	3.5	7.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)9	16:15:00	1.0	Surface	1	2	26.50	8.00	30.40	116.7	7.90	3.8	6	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)9	16:15:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)9	16:15:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)9	16:15:00	2.7	Bottom	3	1	26.40	8.10	31.10	116.9	7.90	7.2	10.5	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)9	16:15:00	2.7	Bottom	3	2	26.60	8.00	30.90	116.9	7.90	7.3	9.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS7	16:10:00		Surface	1	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS7	16:10:00		Surface	1	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS7	16:10:00	1.5	Middle	2	1	26.90	8.10	31.20	120.5	8.10	4.5	9	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS7	16:10:00	1.5	Middle	2	2	27.10	8.00	30.90	119.9	8.00	4.6	7.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS7	16:10:00		Bottom	3	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS7	16:10:00		Bottom	3	2								

Project	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
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)6	16:03:00		Surface	1	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)6	16:03:00		Surface	1	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)6	16:03:00	1.4	Middle	2	1	26.80	8.10	31.00	119.0	8.00	3.2	7.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)6	16:03:00	1.4	Middle	2	2	27.00	8.00	30.70	118.8	8.00	3.3	8.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)6	16:03:00		Bottom	3	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS(Mf)6	16:03:00		Bottom	3	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	IS5	15:56:00	1.0	Surface	1	1	26.70	8.10	31.50	117.5	7.90	2.6	10.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS5	15:56:00	1.0	Surface	1	2	26.40	8.00	31.30	117.3	7.90	2.6	10.2	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS5	15:56:00	4.4	Middle	2	1	26.40	8.00	31.70	110.1	7.40	2.6	10.3	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS5	15:56:00	4.4	Middle	2	2	26.60	8.00	31.40	110.0	7.40	2.8	9.7	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS5	15:56:00	7.8	Bottom	3	1	26.20	8.00	31.90	103.6	7.00	4.2	11.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	IS5	15:56:00	7.8	Bottom	3	2	26.40	8.00	31.60	103.0	7.00	4.2	12.4	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR3(N)	15:49:00	1.0	Surface	1	1	26.30	8.10	31.60	106.2	7.20	3.9	7.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR3(N)	15:49:00	1.0	Surface	1	2	26.50	8.00	31.40	105.6	7.10	4.2	7.8	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR3(N)	15:49:00		Middle	2	1								
HKBCF	2017-10-27	Mid-Flood	Sunny	SR3(N)	15:49:00		Middle	2	2								
HKBCF	2017-10-27	Mid-Flood	Sunny	SR3(N)	15:49:00	2.7	Bottom	3	1	26.20	8.00	31.60	104.8	7.10	5.4	13	
HKBCF	2017-10-27	Mid-Flood	Sunny	SR3(N)	15:49:00	2.7	Bottom	3	2	26.40	8.00	31.40	104.3	7.00	5.4	12.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10A(N)	7:18:00	1.0	Surface	1	1	26.10	8.00	32.70	87.2	5.90	2.3	5.9	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10A(N)	7:18:00	1.0	Surface	1	2	26.30	7.90	32.40	86.9	5.80	2.4	6.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10A(N)	7:18:00	5.4	Middle	2	1	26.10	8.00	32.70	87.5	5.90	2.6	5.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10A(N)	7:18:00	5.4	Middle	2	2	26.30	7.90	32.40	87.0	5.90	2.2	6.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10A(N)	7:18:00	9.8	Bottom	3	1	26.10	7.90	32.70	87.8	5.90	2.5	7.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10A(N)	7:18:00	9.8	Bottom	3	2	26.30	7.90	32.40	87.2	5.90	2.4	7.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10B(N2)	7:29:00	1.0	Surface	1	1	26.20	8.00	32.70	85.2	5.70	2.5	5.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10B(N2)	7:29:00	1.0	Surface	1	2	26.30	7.90	32.30	84.7	5.70	2.1	6.9	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10B(N2)	7:29:00	3.9	Middle	2	1	26.20	8.00	32.70	85.2	5.70	2.3	6.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10B(N2)	7:29:00	3.9	Middle	2	2	26.30	7.90	32.40	85.0	5.70	2.4	6.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10B(N2)	7:29:00	6.7	Bottom	3	1	26.20	8.00	32.70	85.2	5.70	2.3	8.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR10B(N2)	7:29:00	6.7	Bottom	3	2	26.30	7.90	32.40	85.0	5.70	2.4	8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CSA	7:40:00	1.0	Surface	1	1	26.10	7.90	32.60	85.6	5.80	1.9	6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CSA	7:40:00	1.0	Surface	1	2	26.40	7.90	32.80	86.7	5.80	1.9	6.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CSA	7:40:00	16.4	Middle	2	1	26.20	7.90	32.70	84.4	5.70	2.2	7.7	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CSA	7:40:00	16.4	Middle	2	2	26.40	7.90	32.80	86.1	5.80	2.3	6.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CSA	7:40:00	31.7	Bottom	3	1	26.10	8.00	32.80	84.6	5.70	2.5	7.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CSA	7:40:00	31.7	Bottom	3	2	26.40	7.90	32.80	86.3	5.80	2.5	6.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS6	7:52:00	1.0	Surface	1	1	26.30	8.20	32.60	87.1	5.90	2.3	6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS6	7:52:00	1.0	Surface	1	2	26.30	8.10	32.60	86.7	5.80	2.3	5.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS6	7:52:00	4.7	Middle	2	1	26.30	8.20	32.60	87.0	5.80	2.5	5.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS6	7:52:00	4.7	Middle	2	2	26.30	8.10	32.60	86.6	5.80	2.5	6.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS6	7:52:00	8.4	Bottom	3	1	26.30	8.20	32.60	86.9	5.80	2.3	6.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS6	7:52:00	8.4	Bottom	3	2	26.30	8.10	32.60	86.6	5.80	2.3	5.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS4	9:16:00	1.0	Surface	1	1	25.90	8.20	31.90	99.5	6.80	2.5	5.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS4	9:16:00	1.0	Surface	1	2	26.00	8.20	31.90	99.4	6.70	2.5	6.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS4	9:16:00	9.7	Middle	2	1	26.00	8.20	32.10	93.2	6.30	2.6	6.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS4	9:16:00	9.7	Middle	2	2	26.00	8.20	32.10	93.1	6.30	2.6	6.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS4	9:16:00	18.4	Bottom	3	1	26.20	8.20	32.40	89.1	6.00	2.0	7.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS4	9:16:00	18.4	Bottom	3	2	26.20	8.10	32.40	88.8	6.00	2.0	6.7	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR6	9:17:00	1.0	Surface	1	1	25.00	8.10	31.60	108.9	7.50	3.8	8.7	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR6	9:17:00	1.0	Surface	1	2	25.20	8.10	31.70	109.9	7.60	4.1	8.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR6	9:17:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR6	9:17:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR6	9:17:00	4.0	Bottom	3	1	25.00	8.10	31.60	109.3	7.60	6.1	8.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR6	9:17:00	4.0	Bottom	3	2	25.20	8.10	31.80	110.5	7.60	5.5	7.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)3(N)	8:55:00	1.0	Surface	1	1	25.30	8.10	31.50	108.4	7.50	6.0	8.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)3(N)	8:55:00	1.0	Surface	1	2	25.50	8.10	31.50	108.8	7.50	5.5	9.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)3(N)	8:55:00	3.6	Middle	2	1	25.30	8.10	31.60	105.7	7.30	6.8	10.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)3(N)	8:55:00	3.6	Middle	2	2	25.50	8.10	31.60	106.9	7.30	6.4	10.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)3(N)	8:55:00	6.2	Bottom	3	1	25.30	8.10	31.90	104.8	7.20	7.7	10	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)3(N)	8:55:00	6.2	Bottom	3	2	25.60	8.10	32.00	106.4	7.30	8.0	11	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR5(N)	8:31:00	1.0	Surface	1	1	25.70	8.00	31.90	92.9	6.30	3.2	6.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR5(N)	8:31:00	1.0	Surface	1	2	25.90	8.00	31.90	93.7	6.40	3.2	6.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR5(N)	8:31:00	4.6	Middle	2	1	25.70	8.00	32.00	92.0	6.30	3.6	5.5	

Project	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
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR5(N)	8:31:00	4.6	Middle	2	2	26.00	8.00	32.10	92.8	6.30	3.9	5.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR5(N)	8:31:00	8.1	Bottom	3	1	25.80	8.00	32.00	90.9	6.20	3.8	5.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR5(N)	8:31:00	8.1	Bottom	3	2	26.00	8.00	32.20	92.9	6.30	4.0	5.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS10(N)	8:22:00	1.0	Surface	1	1	25.50	8.00	31.60	95.9	6.60	2.9	4.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS10(N)	8:22:00	1.0	Surface	1	2	25.80	8.00	31.60	95.5	6.50	3.2	5.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS10(N)	8:22:00	6.5	Middle	2	1	25.80	8.00	32.00	90.4	6.10	3.5	5.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS10(N)	8:22:00	6.5	Middle	2	2	26.10	8.00	32.00	91.1	6.20	3.9	4.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS10(N)	8:22:00	11.9	Bottom	3	1	25.90	8.00	32.10	89.7	6.10	4.8	5.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS10(N)	8:22:00	11.9	Bottom	3	2	26.10	7.90	32.20	91.0	6.10	4.8	5.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)11	8:15:00	1.0	Surface	1	1	25.00	8.10	31.40	102.1	7.10	2.8	5.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)11	8:15:00	1.0	Surface	1	2	25.30	8.10	31.50	102.2	7.00	2.3	5.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)11	8:15:00	5.8	Middle	2	1	26.00	8.00	32.10	89.0	6.00	4.8	5.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)11	8:15:00	5.8	Middle	2	2	26.20	7.90	32.40	91.7	6.20	4.4	6.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)11	8:15:00	10.5	Bottom	3	1	26.20	7.90	32.30	93.1	6.30	5.3	5.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)11	8:15:00	10.5	Bottom	3	2	26.50	7.90	32.60	97.3	6.50	4.8	6.9	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)5	8:01:00	1.0	Surface	1	1	26.10	8.00	32.60	84.3	5.70	2.1	4.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)5	8:01:00	1.0	Surface	1	2	26.30	7.90	32.30	84.2	5.70	2.0	5.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)5	8:01:00	5.7	Middle	2	1	26.10	8.00	32.60	84.4	5.70	1.9	5.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)5	8:01:00	5.7	Middle	2	2	26.30	7.90	32.30	84.4	5.70	2.0	5.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)5	8:01:00	10.3	Bottom	3	1	26.10	8.00	32.60	84.2	5.70	2.0	7.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	CS(Mf)5	8:01:00	10.3	Bottom	3	2	26.30	7.90	32.30	84.1	5.70	2.1	8.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR7	8:08:00	1.0	Surface	1	1	25.30	8.00	31.80	99.3	6.80	3.1	7.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR7	8:08:00	1.0	Surface	1	2	25.60	8.00	32.00	101.8	6.90	3.1	7.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR7	8:08:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR7	8:08:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR7	8:08:00	3.7	Bottom	3	1	25.30	8.00	31.80	103.7	7.10	3.6	14.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR7	8:08:00	3.7	Bottom	3	2	25.60	8.00	32.00	106.6	7.30	3.4	13.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS17	8:24:00	1.0	Surface	1	1	25.70	8.00	31.70	93.0	6.30	2.9	6.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS17	8:24:00	1.0	Surface	1	2	25.90	7.90	31.50	93.7	6.40	3.0	5.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS17	8:24:00	4.5	Middle	2	1	26.20	8.00	32.30	85.1	5.70	4.4	5.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS17	8:24:00	4.5	Middle	2	2	26.40	7.90	32.00	84.9	5.70	4.7	5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS17	8:24:00	7.9	Bottom	3	1	26.20	8.00	32.30	85.2	5.70	4.1	5.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS17	8:24:00	7.9	Bottom	3	2	26.40	7.90	32.10	84.8	5.70	4.3	6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)16	8:30:00	1.0	Surface	1	1	25.10	8.20	31.00	110.8	7.70	5.4	6.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)16	8:30:00	1.0	Surface	1	2	25.30	8.10	30.80	110.8	7.70	5.1	7.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)16	8:30:00	3.2	Middle	2	1	25.10	8.10	31.00	110.5	7.60	4.8	7.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)16	8:30:00	3.2	Middle	2	2	25.30	8.10	30.80	110.4	7.60	4.9	8.6	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)16	8:30:00	5.4	Bottom	3	1	25.30	8.10	31.20	106.7	7.40	5.2	9	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)16	8:30:00	5.4	Bottom	3	2	25.50	8.00	31.00	105.8	7.30	5.4	8.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS8	8:58:00	1.0	Surface	1	1	25.10	8.20	30.70	118.4	8.20	11.0	10.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS8	8:58:00	1.0	Surface	1	2	25.30	8.10	30.50	118.4	8.20	10.6	10.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS8	8:58:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS8	8:58:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS8	8:58:00	3.3	Bottom	3	1	25.10	8.20	30.70	117.7	8.20	8.0	10.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS8	8:58:00	3.3	Bottom	3	2	25.30	8.10	30.50	118.1	8.20	8.0	9.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR4(N)	8:51:00	1.0	Surface	1	1	24.60	8.10	29.60	107.7	7.60	3.1	4.7	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR4(N)	8:51:00	1.0	Surface	1	2	24.80	8.00	29.30	107.5	7.50	3.0	4.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR4(N)	8:51:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR4(N)	8:51:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR4(N)	8:51:00	4.2	Bottom	3	1	25.00	8.10	29.90	109.5	7.60	4.7	7.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR4(N)	8:51:00	4.2	Bottom	3	2	25.00	8.20	29.90	109.5	7.60	4.6	7	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)9	9:07:00	1.0	Surface	1	1	25.10	8.20	30.60	126.7	8.80	5.9	9.9	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)9	9:07:00	1.0	Surface	1	2	25.30	8.10	30.40	127.0	8.80	6.5	8.7	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)9	9:07:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)9	9:07:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)9	9:07:00	3.3	Bottom	3	1	25.10	8.20	30.60	124.8	8.70	5.6	11	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)9	9:07:00	3.3	Bottom	3	2	25.30	8.10	30.40	125.3	8.70	6.2	10.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS7	9:16:00	1.0	Surface	1	1	24.80	8.20	30.60	124.5	8.70	5.6	8.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS7	9:16:00	1.0	Surface	1	2	25.00	8.10	30.30	124.5	8.70	5.6	9.8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS7	9:16:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS7	9:16:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS7	9:16:00	2.4	Bottom	3	1	24.80	8.20	30.60	122.6	8.60	6.0	11.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS7	9:16:00	2.4	Bottom	3	2	25.00	8.10	30.30	123.1	8.60	5.9	10	

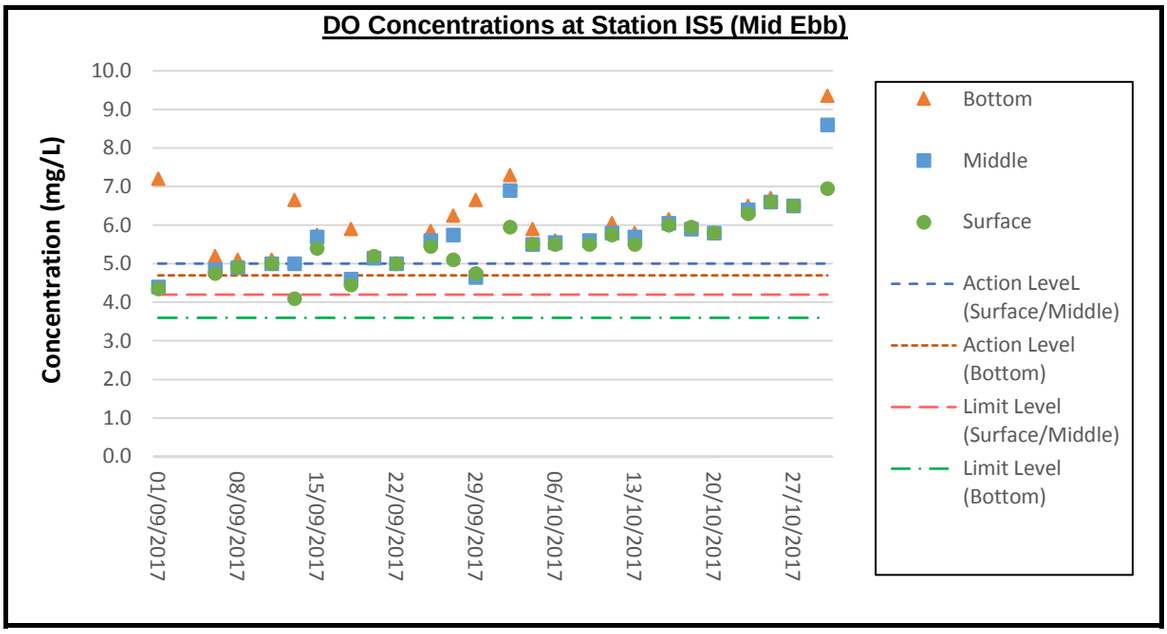
Project	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)6	9:24:00	1.0	Surface	1	1	25.20	8.20	30.70	127.4	8.80	4.3	9	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)6	9:24:00	1.0	Surface	1	2	25.40	8.10	30.40	127.8	8.80	4.3	9.1	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)6	9:24:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)6	9:24:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)6	9:24:00	2.3	Bottom	3	1	25.40	8.20	30.80	125.4	8.60	4.4	11.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS(Mf)6	9:24:00	2.3	Bottom	3	2	25.60	8.10	30.50	126.0	8.70	4.6	12.7	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS5	9:30:00	1.0	Surface	1	1	25.40	8.20	30.70	135.8	9.40	3.4	5.3	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS5	9:30:00	1.0	Surface	1	2	25.60	8.10	30.40	135.3	9.30	3.5	5.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS5	9:30:00	4.7	Middle	2	1	25.50	8.20	30.90	124.5	8.60	5.7	9.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS5	9:30:00	4.7	Middle	2	2	25.70	8.10	30.60	125.4	8.60	5.8	9.9	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS5	9:30:00	8.3	Bottom	3	1	25.80	8.10	32.10	102.6	7.00	9.1	12.4	
HKBCF	2017-10-30	Mid-Ebb	Sunny	IS5	9:30:00	8.3	Bottom	3	2	26.00	8.00	31.80	101.4	6.90	9.0	13.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR3(N)	9:38:00	1.0	Surface	1	1	25.40	8.30	30.70	143.3	9.90	2.5	9.2	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR3(N)	9:38:00	1.0	Surface	1	2	25.60	8.20	30.40	142.8	9.80	2.6	8	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR3(N)	9:38:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR3(N)	9:38:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR3(N)	9:38:00	3.0	Bottom	3	1	25.40	8.20	30.70	136.6	9.40	4.4	10.5	
HKBCF	2017-10-30	Mid-Ebb	Sunny	SR3(N)	9:38:00	3.0	Bottom	3	2	25.60	8.10	30.50	137.9	9.50	3.9	11.2	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10A(N)	17:00:00	1.0	Surface	1	1	26.30	7.90	32.40	88.1	5.90	2.7	6.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10A(N)	17:00:00	1.0	Surface	1	2	26.10	8.00	32.70	88.3	5.90	2.7	6.2	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10A(N)	17:00:00	5.8	Middle	2	1	26.40	7.90	32.40	87.9	5.90	3.4	6.6	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10A(N)	17:00:00	5.8	Middle	2	2	26.20	8.00	32.70	88.2	5.90	3.9	5.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10A(N)	17:00:00	10.6	Bottom	3	1	26.40	7.90	32.40	87.9	5.90	3.4	8.1	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10A(N)	17:00:00	10.6	Bottom	3	2	26.20	8.00	32.70	88.4	5.90	3.6	9.1	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10B(N2)	16:54:00	1.0	Surface	1	1	26.30	7.90	32.50	90.9	6.10	2.4	5.2	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10B(N2)	16:54:00	1.0	Surface	1	2	26.10	8.00	32.70	91.1	6.10	2.3	5.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10B(N2)	16:54:00	4.0	Middle	2	1	26.30	7.90	32.50	90.7	6.10	2.5	6.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10B(N2)	16:54:00	4.0	Middle	2	2	26.10	8.00	32.70	90.9	6.10	3.0	5.8	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10B(N2)	16:54:00	6.9	Bottom	3	1	26.30	7.90	32.50	90.7	6.10	3.1	5.7	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR10B(N2)	16:54:00	6.9	Bottom	3	2	26.10	8.00	32.70	90.9	6.10	3.3	5.7	
HKBCF	2017-10-30	Mid-Flood	Sunny	CSA	16:07:00	1.0	Surface	1	1	26.10	7.90	32.60	87.3	5.90	1.6	5	
HKBCF	2017-10-30	Mid-Flood	Sunny	CSA	16:07:00	1.0	Surface	1	2	26.40	7.90	32.40	87.9	5.90	1.4	4.6	
HKBCF	2017-10-30	Mid-Flood	Sunny	CSA	16:07:00	16.3	Middle	2	1	26.10	7.90	32.60	84.9	5.70	3.3	4.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	CSA	16:07:00	16.3	Middle	2	2	26.40	7.90	32.40	86.0	5.80	2.9	3.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	CSA	16:07:00	31.5	Bottom	3	1	26.10	7.90	32.60	84.1	5.70	6.8	3.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	CSA	16:07:00	31.5	Bottom	3	2	26.40	7.90	32.50	86.2	5.80	6.7	3.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS6	15:54:00	1.0	Surface	1	1	26.30	8.20	32.50	95.9	6.40	2.4	3.8	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS6	15:54:00	1.0	Surface	1	2	26.30	8.10	32.50	95.6	6.40	2.8	4.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS6	15:54:00	5.1	Middle	2	1	26.30	8.20	32.50	92.7	6.20	3.6	5.6	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS6	15:54:00	5.1	Middle	2	2	26.30	8.10	32.60	92.4	6.20	3.6	5	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS6	15:54:00	9.1	Bottom	3	1	26.30	8.20	32.60	90.9	6.10	5.5	11.7	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS6	15:54:00	9.1	Bottom	3	2	26.30	8.10	32.60	90.5	6.10	5.3	10.4	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS4	14:36:00	1.0	Surface	1	1	26.10	8.30	31.90	108.5	7.30	2.0	6.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS4	14:36:00	1.0	Surface	1	2	26.10	8.20	31.90	108.6	7.30	2.7	6.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS4	14:36:00	9.6	Middle	2	1	26.00	8.20	31.90	102.0	6.90	2.6	7.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS4	14:36:00	9.6	Middle	2	2	26.00	8.20	31.90	102.2	6.90	3.5	8.2	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS4	14:36:00	18.2	Bottom	3	1	26.20	8.20	32.30	91.2	6.10	6.3	8.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS4	14:36:00	18.2	Bottom	3	2	26.30	8.10	32.30	91.0	6.10	6.4	8.2	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR6	14:36:00	1.0	Surface	1	1	25.70	8.10	31.50	122.2	8.40	5.0	5.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR6	14:36:00	1.0	Surface	1	2	25.90	8.10	31.50	121.6	8.30	5.4	6.4	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR6	14:36:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR6	14:36:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR6	14:36:00	4.0	Bottom	3	1	25.60	8.10	31.60	119.2	8.20	7.5	7	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR6	14:36:00	4.0	Bottom	3	2	25.90	8.10	31.60	118.1	8.00	7.2	7	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)3(N)	14:54:00	1.0	Surface	1	1	25.50	8.20	31.50	135.6	9.30	2.7	6.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)3(N)	14:54:00	1.0	Surface	1	2	25.80	8.10	31.60	134.9	9.20	2.5	5	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)3(N)	14:54:00	3.5	Middle	2	1	25.50	8.20	31.50	133.5	9.20	3.1	6.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)3(N)	14:54:00	3.5	Middle	2	2	25.70	8.10	31.60	132.9	9.10	3.5	5.6	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)3(N)	14:54:00	6.0	Bottom	3	1	25.40	8.20	31.50	125.7	8.60	4.4	6.8	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)3(N)	14:54:00	6.0	Bottom	3	2	25.70	8.10	31.70	124.8	8.50	4.9	6.8	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR5(N)	15:21:00	1.0	Surface	1	1	25.50	8.20	31.30	118.7	8.10	4.2	9.4	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR5(N)	15:21:00	1.0	Surface	1	2	25.80	8.10	31.20	117.8	8.00	4.4	9.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR5(N)	15:21:00	4.6	Middle	2	1	25.60	8.10	31.70	111.3	7.60	3.8	10.8	

Project	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
HKBCF	2017-10-30	Mid-Flood	Sunny	SR5(N)	15:21:00	4.6	Middle	2	2	25.90	8.00	31.70	111.7	7.60	3.2	9.4	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR5(N)	15:21:00	8.2	Bottom	3	1	25.80	8.00	31.90	109.7	7.50	4.0	9.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR5(N)	15:21:00	8.2	Bottom	3	2	26.00	8.00	32.00	110.6	7.50	3.5	9.8	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS10(N)	15:28:00	1.0	Surface	1	1	25.80	8.00	32.00	99.6	6.80	7.3	11.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS10(N)	15:28:00	1.0	Surface	1	2	26.10	8.00	32.00	100.5	6.80	7.5	10.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS10(N)	15:28:00	6.4	Middle	2	1	25.80	8.00	32.10	99.1	6.70	7.7	9.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS10(N)	15:28:00	6.4	Middle	2	2	26.10	8.00	32.00	100.1	6.80	7.5	10.4	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS10(N)	15:28:00	11.7	Bottom	3	1	25.80	8.00	32.10	99.2	6.70	8.1	10.4	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS10(N)	15:28:00	11.7	Bottom	3	2	26.10	8.00	32.00	100.5	6.80	8.4	9.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)11	15:35:00	1.0	Surface	1	1	25.80	8.10	31.70	99.1	6.70	7.5	7.7	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)11	15:35:00	1.0	Surface	1	2	26.10	8.10	31.60	97.6	6.60	7.1	8.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)11	15:35:00	5.8	Middle	2	1	26.00	8.00	32.20	89.4	6.10	13.2	8.7	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)11	15:35:00	5.8	Middle	2	2	26.30	7.90	32.00	90.9	6.10	13.6	8.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)11	15:35:00	10.5	Bottom	3	1	26.00	8.00	32.10	93.2	6.30	11.6	10.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)11	15:35:00	10.5	Bottom	3	2	26.30	7.90	32.10	96.3	6.50	12.0	10.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)5	16:19:00	1.0	Surface	1	1	26.40	7.90	32.30	91.6	6.20	1.9	3.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)5	16:19:00	1.0	Surface	1	2	26.20	8.00	32.60	91.7	6.20	2.0	3.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)5	16:19:00	5.4	Middle	2	1	26.40	7.90	32.30	90.8	6.10	2.1	4.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)5	16:19:00	5.4	Middle	2	2	26.20	8.00	32.60	91.0	6.10	2.4	4.1	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)5	16:19:00	9.8	Bottom	3	1	26.30	7.90	32.30	90.3	6.10	2.9	4.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	CS(Mf)5	16:19:00	9.8	Bottom	3	2	26.10	8.00	32.60	90.8	6.10	3.0	3.7	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR7	15:43:00	1.0	Surface	1	1	25.70	8.20	31.70	122.2	8.30	4.7	6.6	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR7	15:43:00	1.0	Surface	1	2	26.00	8.20	31.90	120.8	8.20	4.6	7.3	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR7	15:43:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR7	15:43:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR7	15:43:00	3.6	Bottom	3	1	25.80	8.10	32.00	114.7	7.80	6.4	7.1	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR7	15:43:00	3.6	Bottom	3	2	26.10	8.10	32.20	114.8	7.80	6.5	7	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS17	15:58:00	1.0	Surface	1	1	25.70	8.20	30.70	159.6	10.90	3.3	5.2	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS17	15:58:00	1.0	Surface	1	2	25.50	8.30	31.00	160.8	11.00	3.0	6.1	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS17	15:58:00	3.5	Middle	2	1	25.80	8.20	31.00	152.0	10.40	2.0	5.3	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS17	15:58:00	3.5	Middle	2	2	25.60	8.30	31.30	150.7	10.30	2.3	5.8	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS17	15:58:00	6.0	Bottom	3	1	26.00	8.10	31.60	128.7	8.70	1.1	5	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS17	15:58:00	6.0	Bottom	3	2	25.80	8.20	31.80	129.1	8.80	1.2	6	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)16	15:47:00	1.0	Surface	1	1	25.70	8.20	30.70	155.5	10.70	3.7	6.3	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)16	15:47:00	1.0	Surface	1	2	25.50	8.30	31.00	156.5	10.80	3.5	5.8	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)16	15:47:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)16	15:47:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)16	15:47:00	4.8	Bottom	3	1	26.10	8.00	31.70	114.6	7.80	6.2	8.5	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)16	15:47:00	4.8	Bottom	3	2	25.90	8.10	32.00	116.1	7.90	6.3	7.7	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS8	15:20:00	1.0	Surface	1	1	25.70	8.20	30.50	144.8	9.90	11.4	14.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS8	15:20:00	1.0	Surface	1	2	25.50	8.30	30.70	146.0	10.00	11.9	13.1	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS8	15:20:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS8	15:20:00		Middle	2	2								

Project	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
HKBCF	2017-10-30	Mid-Flood	Sunny	IS8	15:20:00	2.2	Bottom	3	1	25.50	8.30	30.70	144.8	10.00	10.3	17.2	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS8	15:20:00	2.2	Bottom	3	2	25.50	8.30	30.70	144.8	10.00	10.3	16.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR4(N)	15:28:00	1.0	Surface	1	1	25.70	8.20	30.50	136.8	9.40	11.2	16.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR4(N)	15:28:00	1.0	Surface	1	2	25.50	8.30	30.70	135.0	9.30	10.7	16.7	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR4(N)	15:28:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR4(N)	15:28:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR4(N)	15:28:00	3.4	Bottom	3	1	25.70	8.10	30.80	131.2	9.00	15.2	16.6	
HKBCF	2017-10-30	Mid-Flood	Sunny	SR4(N)	15:28:00	3.4	Bottom	3	2	25.50	8.20	31.10	131.3	9.00	13.7	16.6	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)9	15:10:00	1.0	Surface	1	1	25.80	8.20	30.50	156.3	10.70	5.0	8.9	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)9	15:10:00	1.0	Surface	1	2	25.60	8.30	30.70	156.8	10.80	5.5	7.7	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)9	15:10:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)9	15:10:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)9	15:10:00	2.1	Bottom	3	1	25.70	8.20	30.50	147.8	10.20	7.1	9.2	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)9	15:10:00	2.1	Bottom	3	2	25.50	8.30	30.70	148.9	10.30	6.0	10.5	
HKBCF	2017-10-30	Mid-Flood	Sunny	IS7	15:01:00	1.0	Surface	1	1	25.80	8.40	30.40	185.1	12.70	3.1	7.2	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS7	15:01:00	1.0	Surface	1	2	25.60	8.40	30.70	187.1	12.90	3.2	7.5	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS7	15:01:00		Middle	2	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS7	15:01:00		Middle	2	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS7	15:01:00	2.1	Bottom	3	1	25.70	8.30	30.40	177.0	12.20	3.4	7	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS7	15:01:00	2.1	Bottom	3	2	25.50	8.40	30.70	177.9	12.20	3.5	7.6	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)6	14:52:00		Surface	1	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)6	14:52:00		Surface	1	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)6	14:52:00	1.5	Middle	2	1	25.70	8.40	30.40	184.3	12.70	5.6	8.6	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)6	14:52:00	1.5	Middle	2	2	25.50	8.40	30.60	185.7	12.80	5.3	8.4	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)6	14:52:00		Bottom	3	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS(Mf)6	14:52:00		Bottom	3	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	IS5	14:44:00	1.0	Surface	1	1	25.80	8.40	30.40	173.2	11.90	3.4	8.2	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS5	14:44:00	1.0	Surface	1	2	25.60	8.40	30.70	174.9	12.00	3.4	7	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS5	14:44:00	4.5	Middle	2	1	25.70	8.30	30.40	168.0	11.50	4.9	8.1	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS5	14:44:00	4.5	Middle	2	2	25.50	8.40	30.70	169.5	11.70	4.8	7.2	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS5	14:44:00	8.0	Bottom	3	1	25.60	8.30	30.40	163.8	11.30	7.2	8.8	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	IS5	14:44:00	8.0	Bottom	3	2	25.40	8.40	30.70	164.5	11.30	6.3	8.6	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	SR3(N)	14:36:00		Surface	1	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR3(N)	14:36:00		Surface	1	2								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR3(N)	14:36:00	1.4	Middle	2	1	25.70	8.30	30.50	163.6	11.20	4.3	7.6	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17

Water Quality Monitoring Data

Project	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
HKBCF	2017-10-30	Mid-Flood	Sunny	SR3(N)	14:36:00	1.4	Middle	2	2	25.50	8.40	30.80	165.3	11.40	3.6	7.8	Red tide found in the area SR3, IS5, IS(Mf)6, IS7, IS(Mf)16, IS17
HKBCF	2017-10-30	Mid-Flood	Sunny	SR3(N)	14:36:00		Bottom	3	1								
HKBCF	2017-10-30	Mid-Flood	Sunny	SR3(N)	14:36:00		Bottom	3	2								



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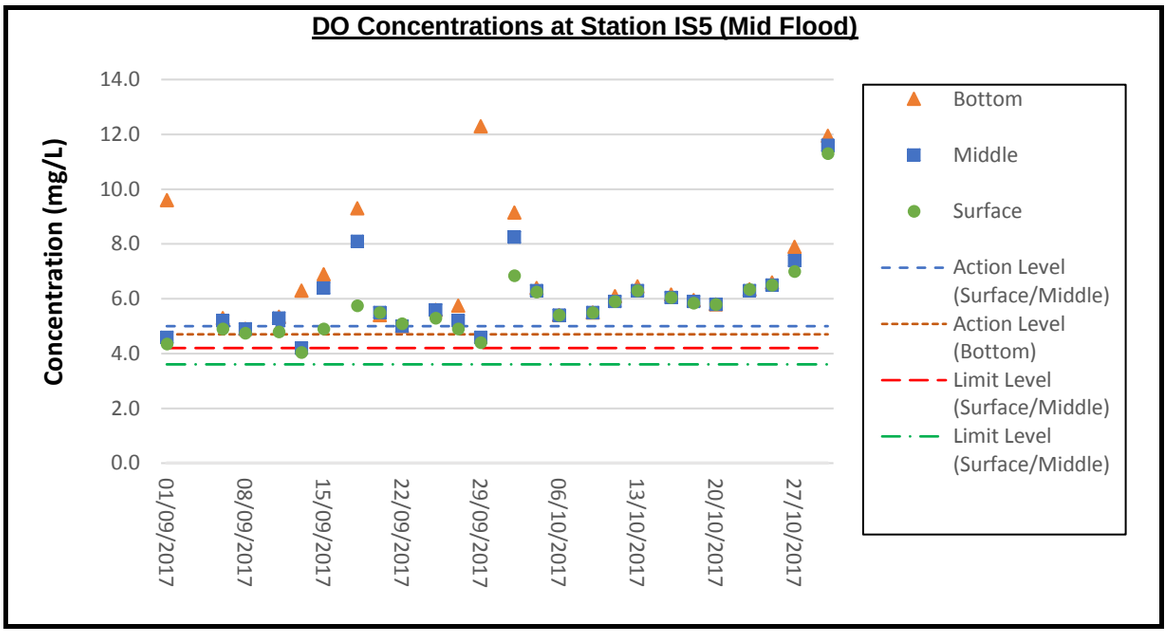

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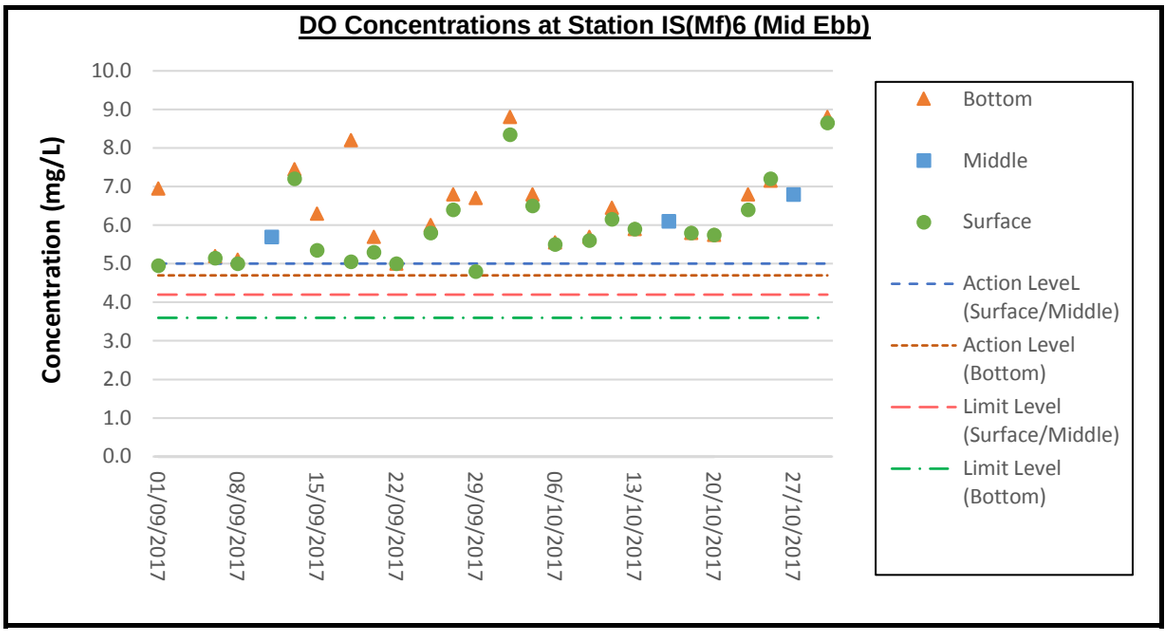

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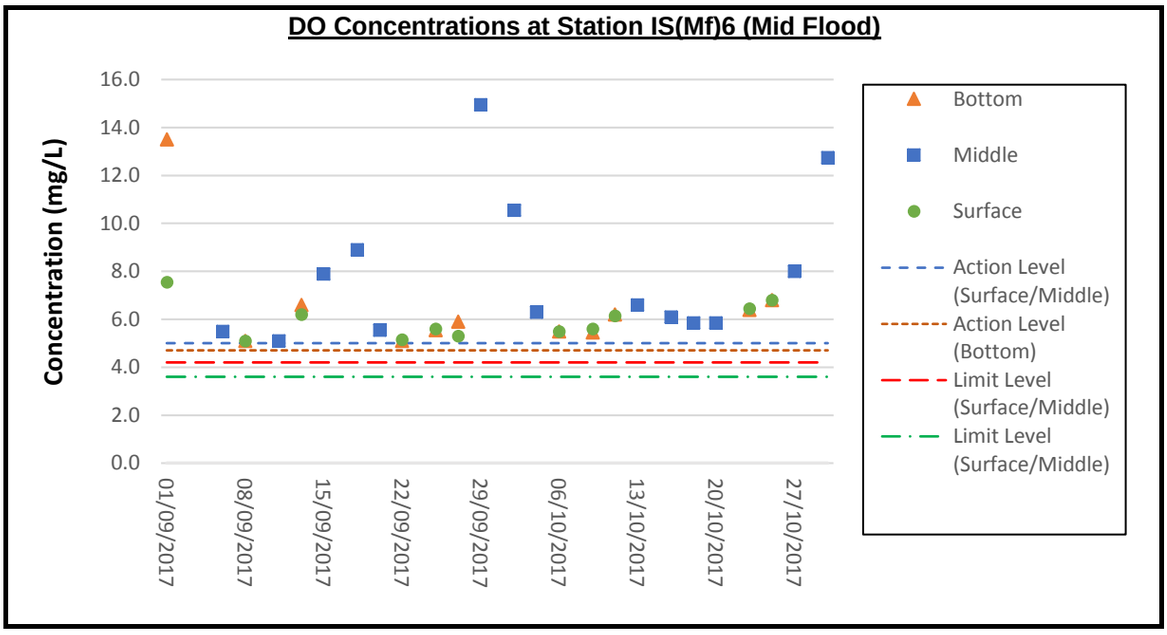

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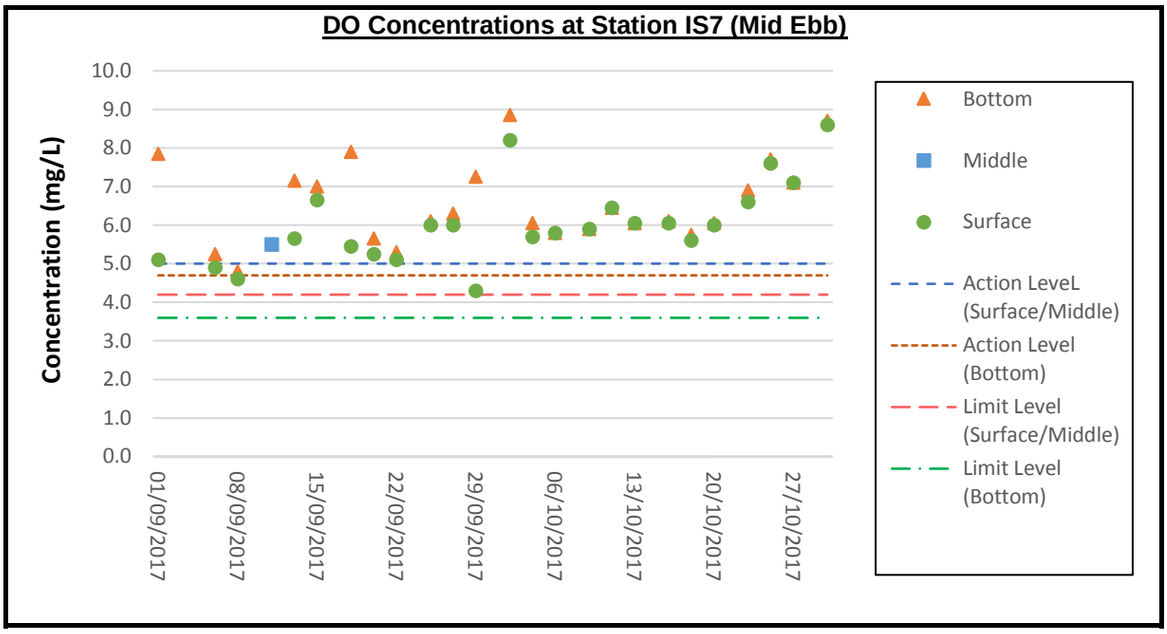

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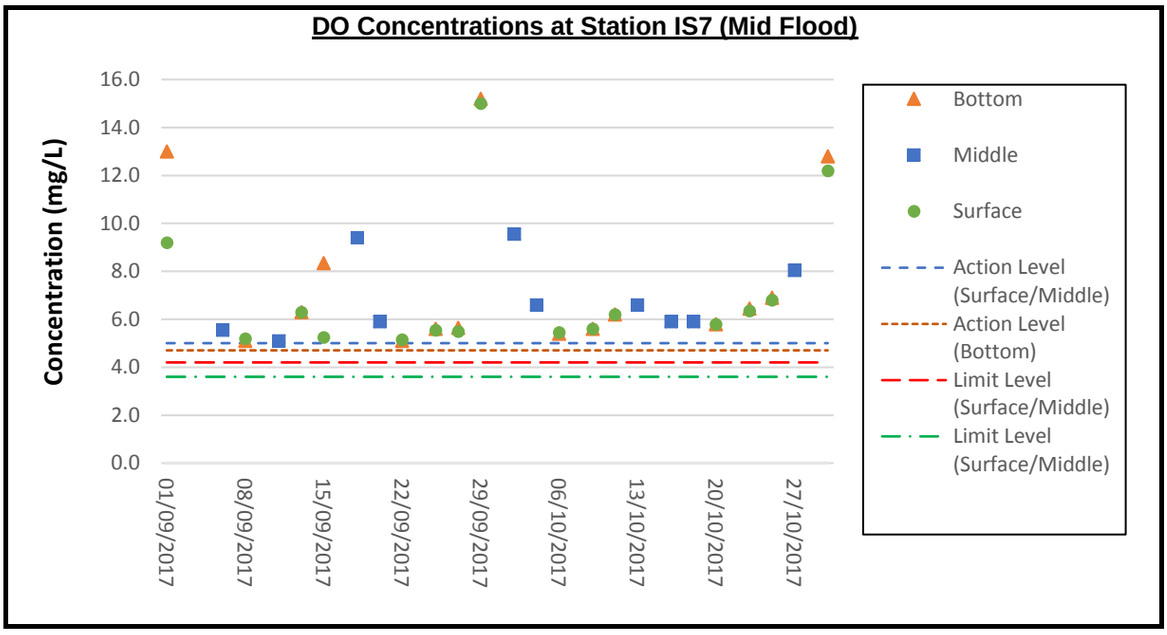

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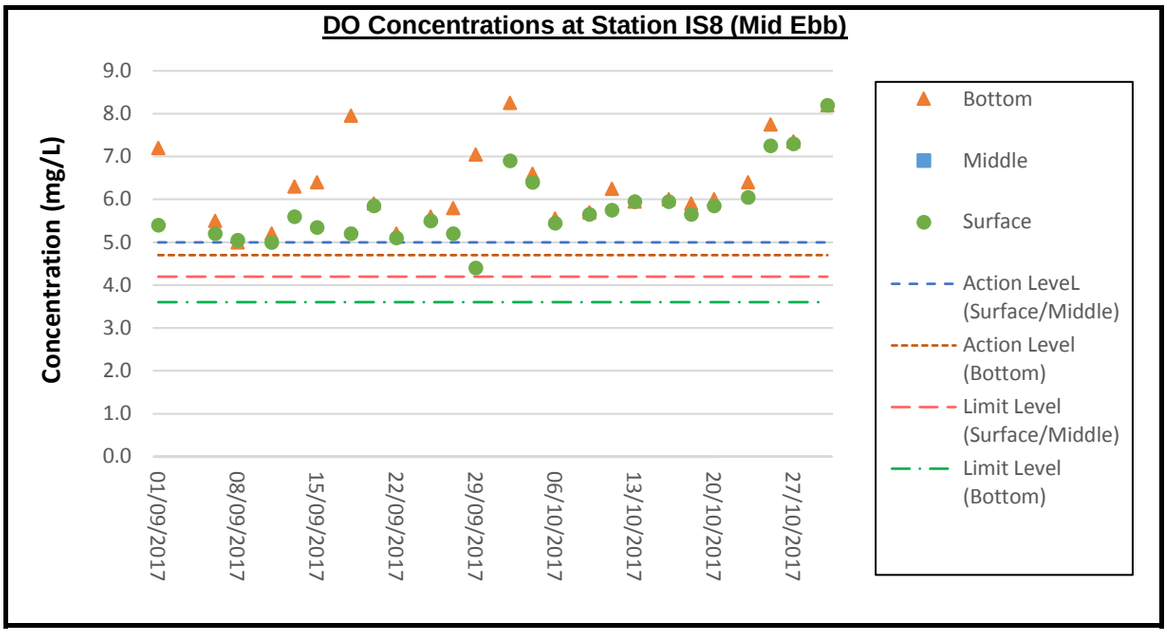

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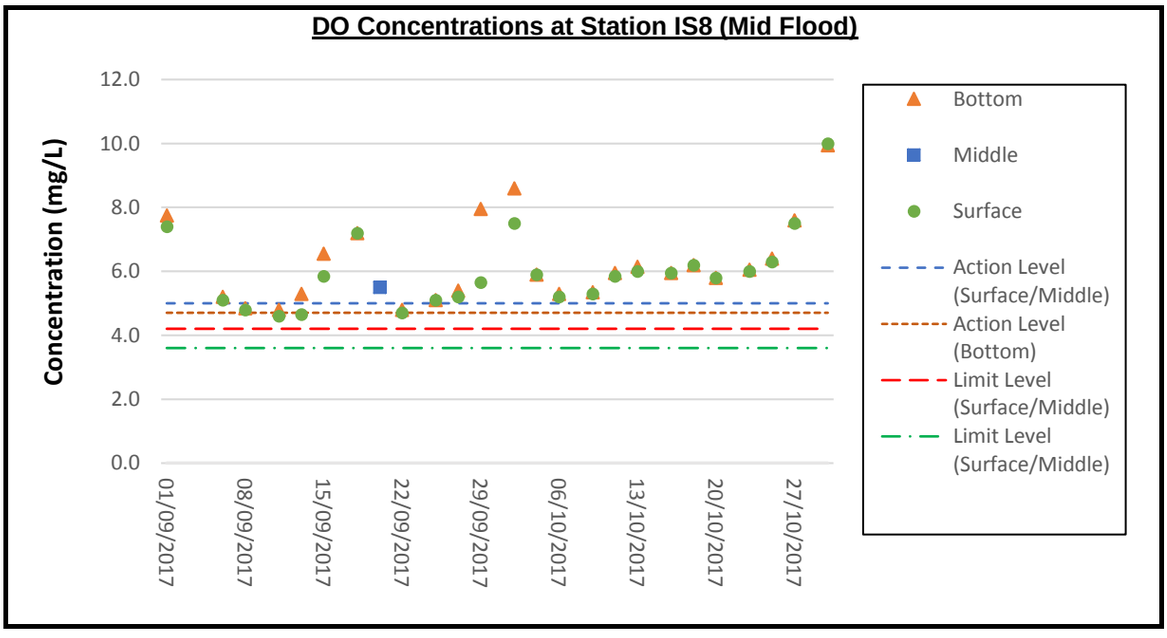

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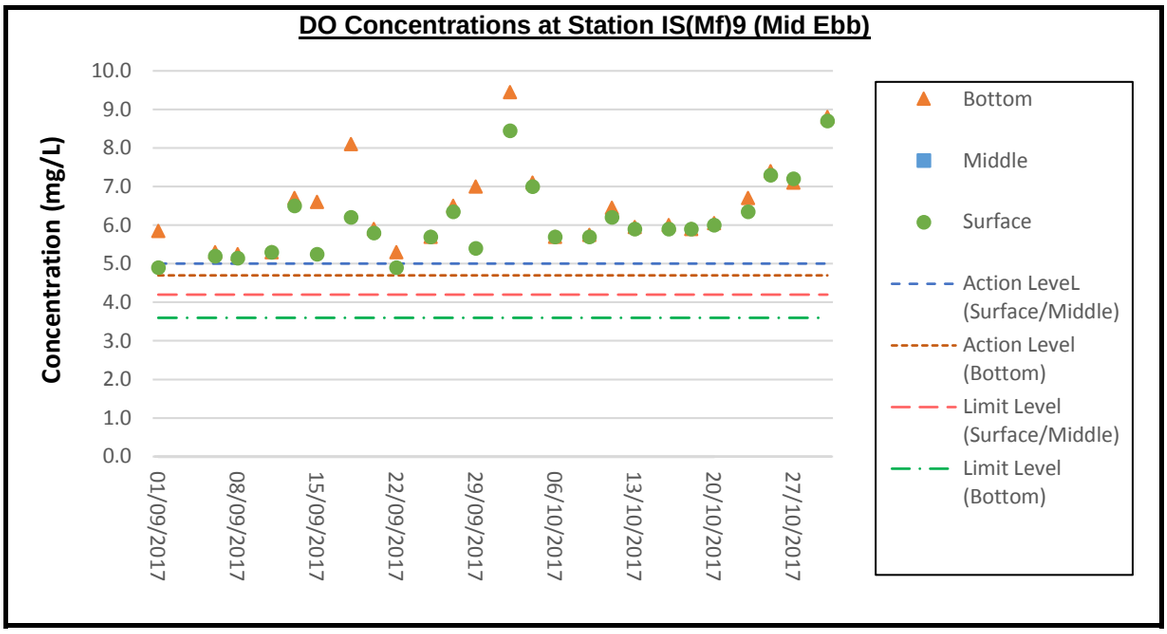

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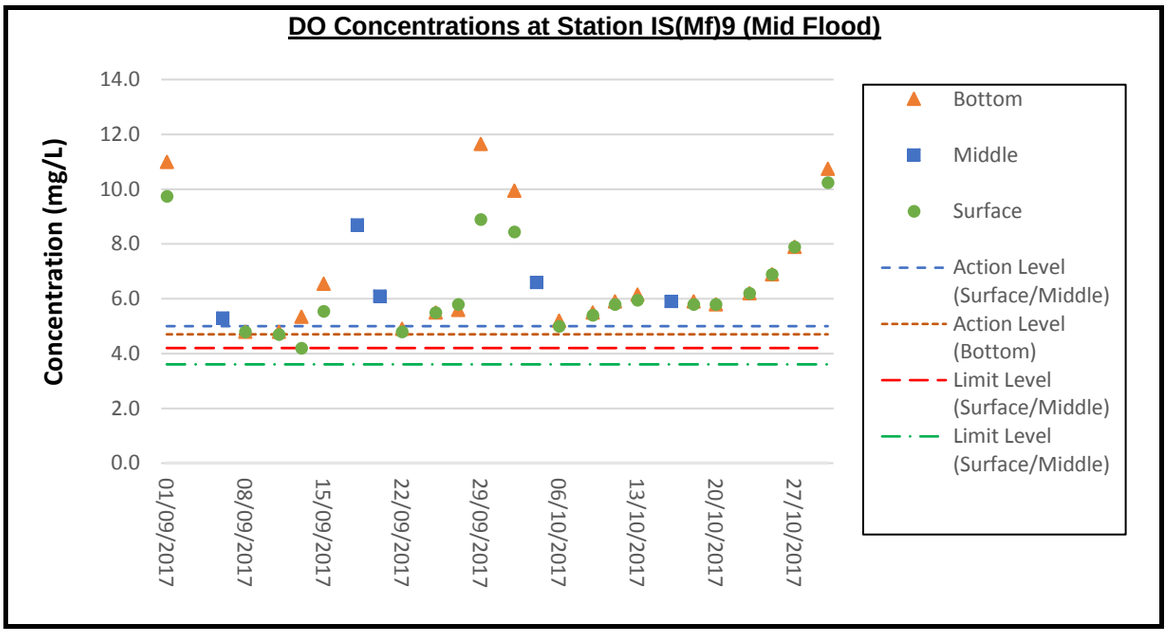

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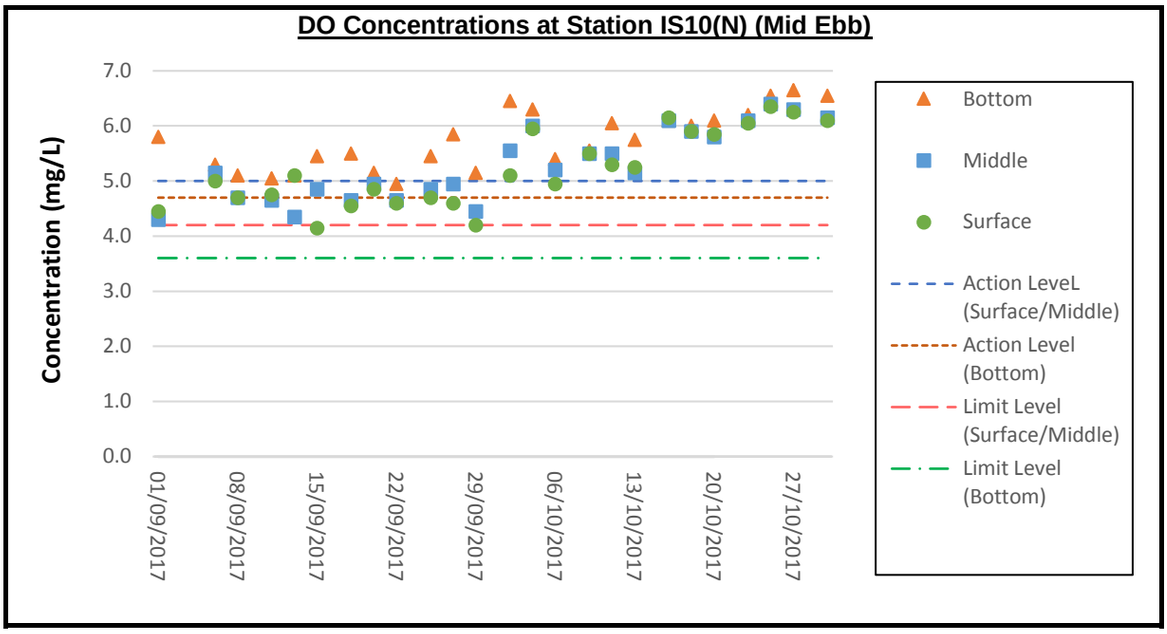

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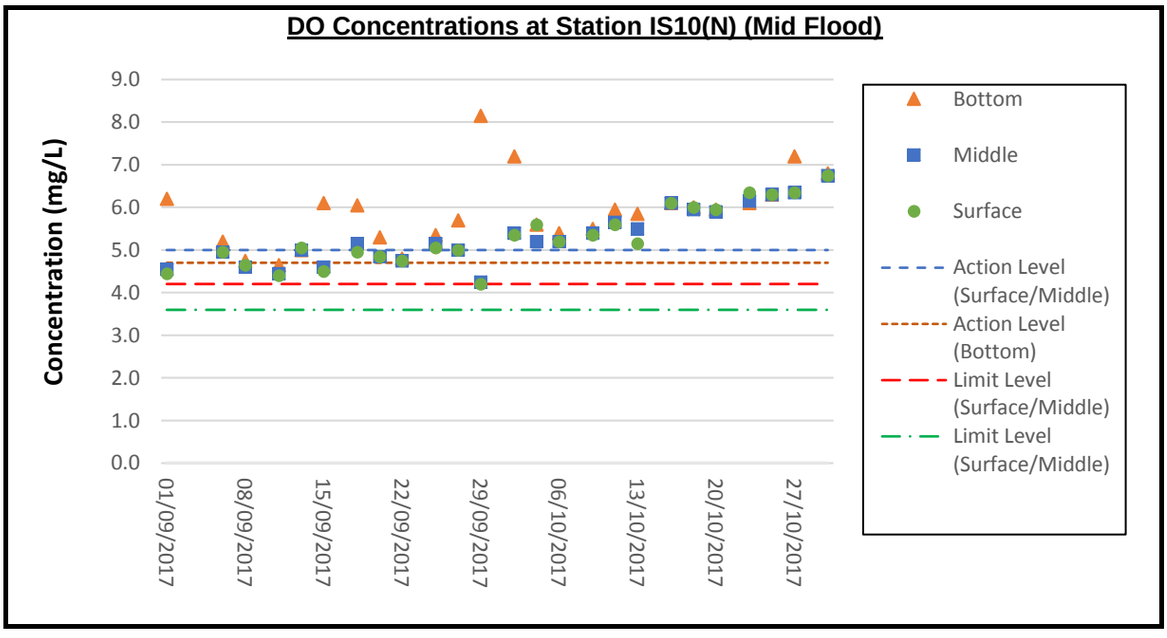

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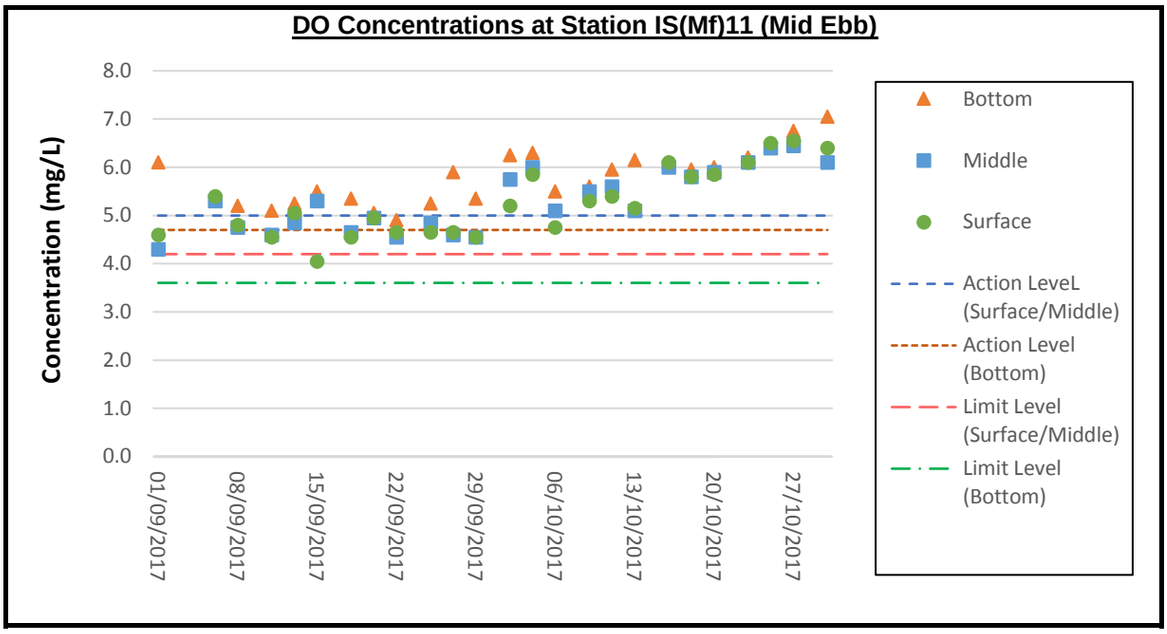

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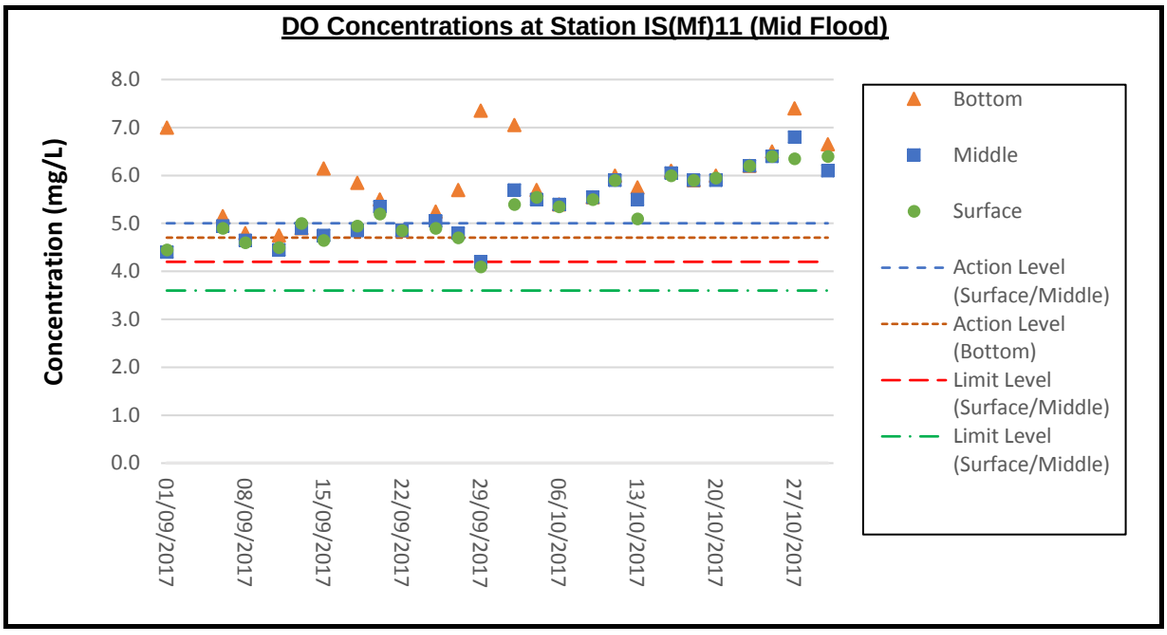

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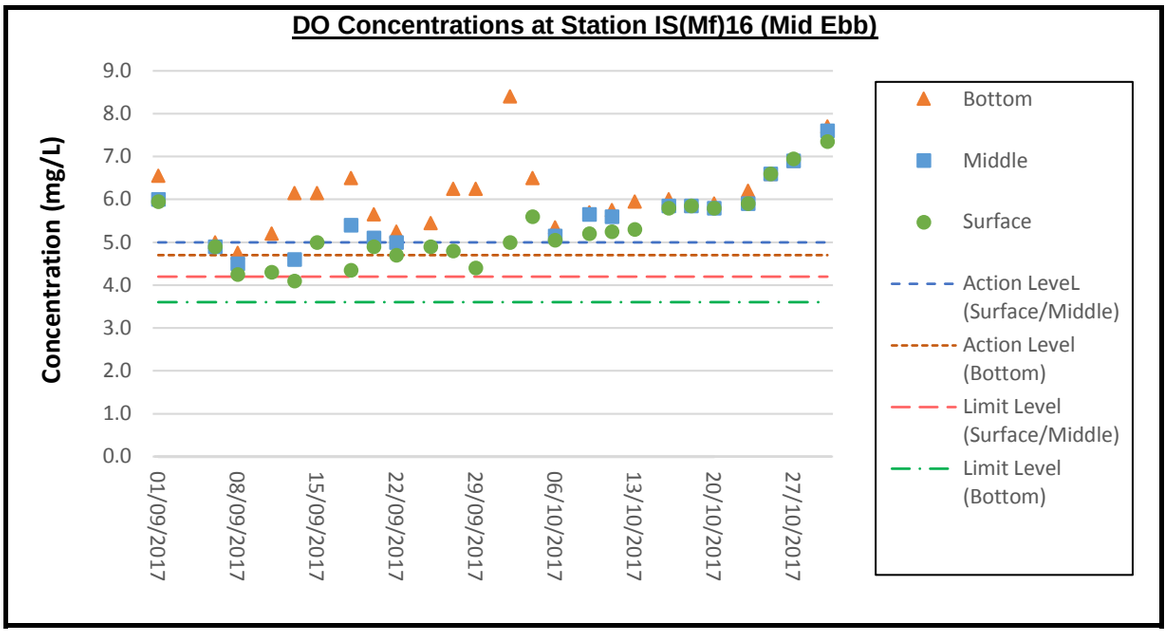

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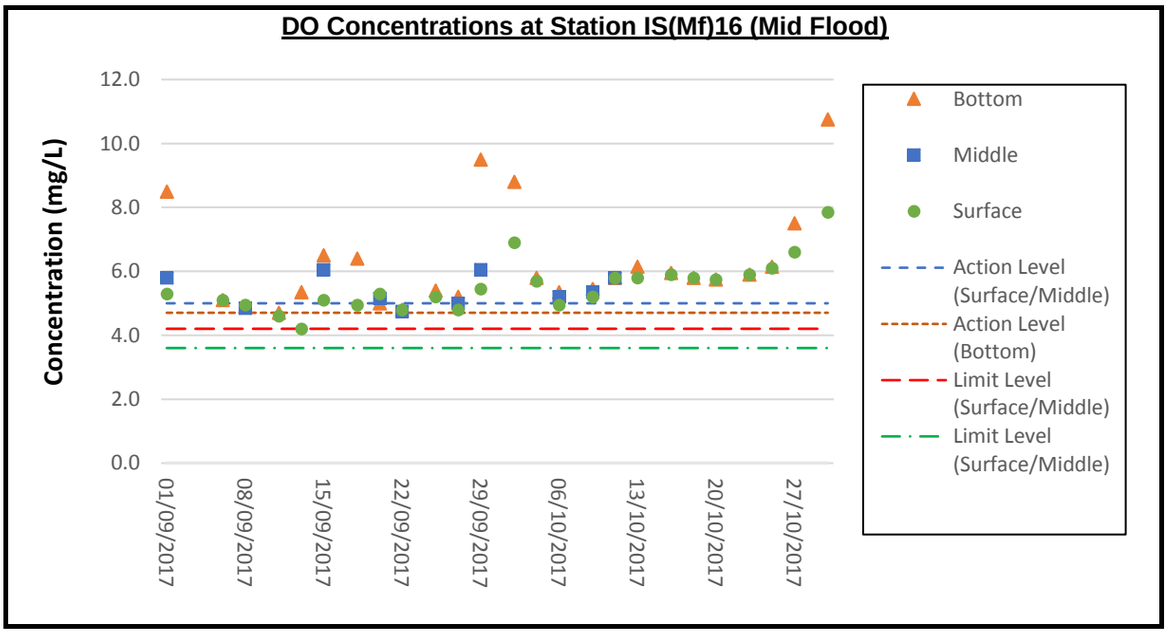

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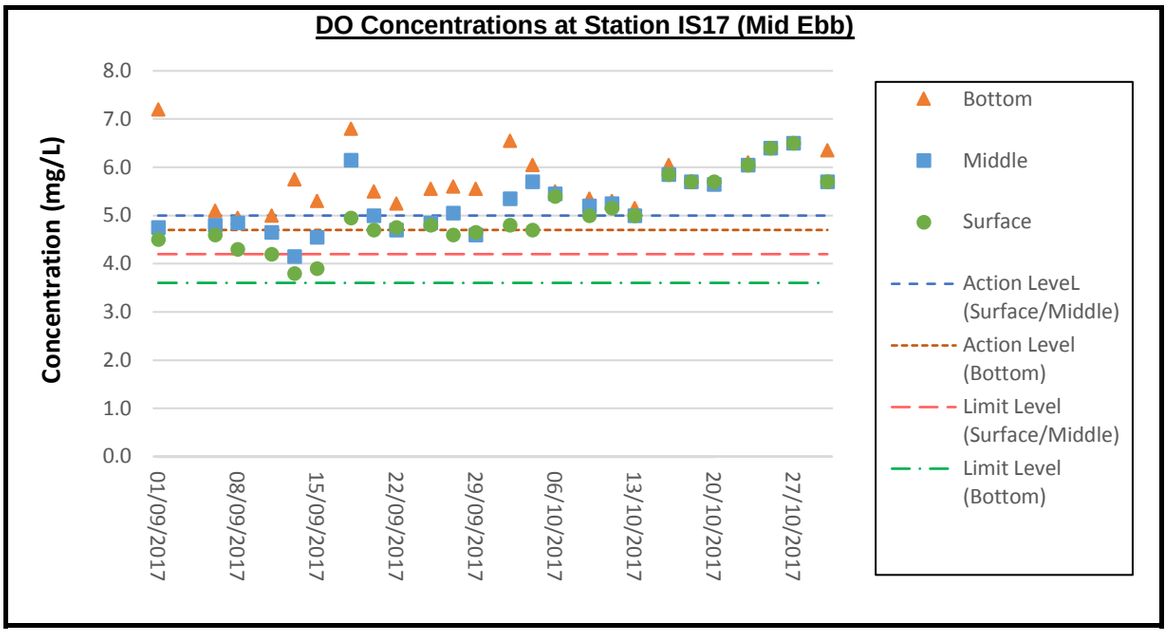

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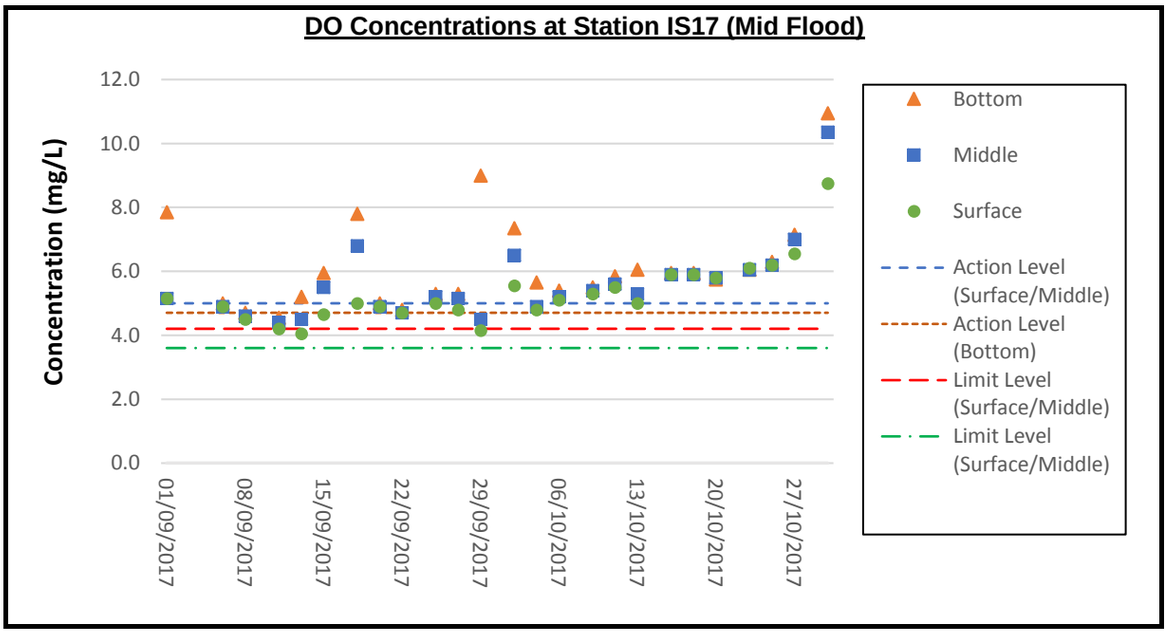

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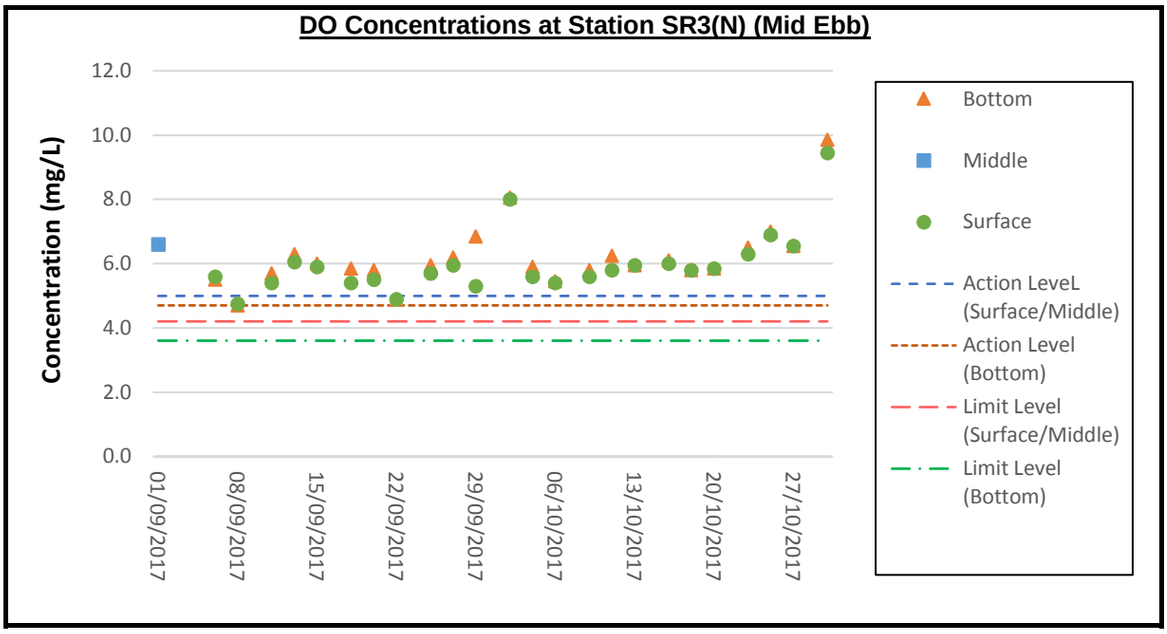

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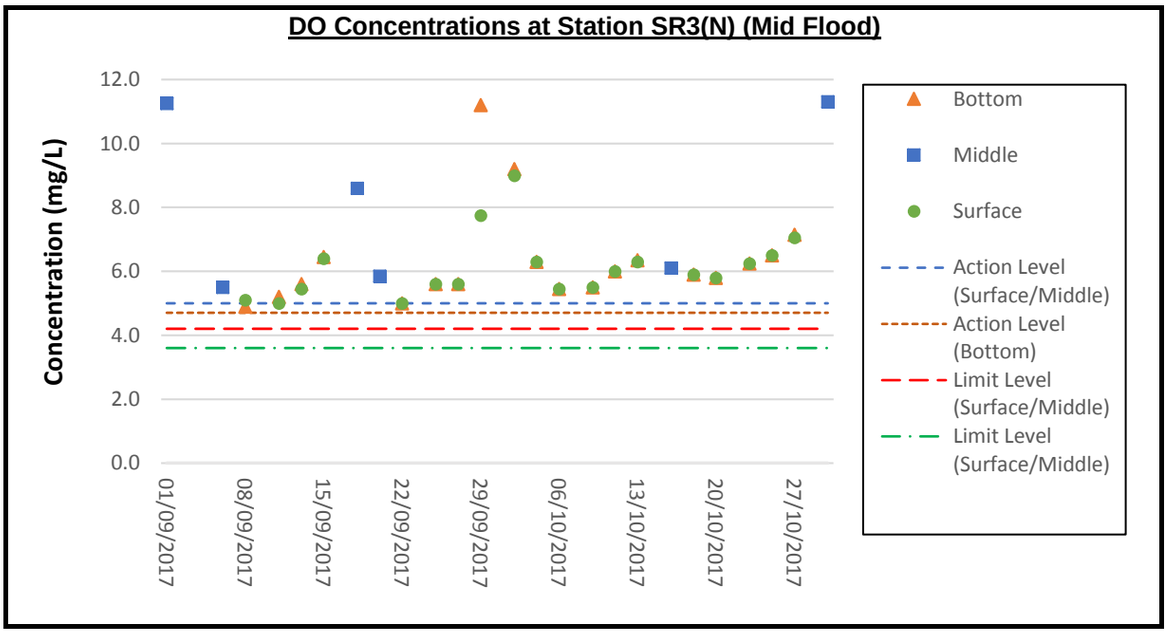

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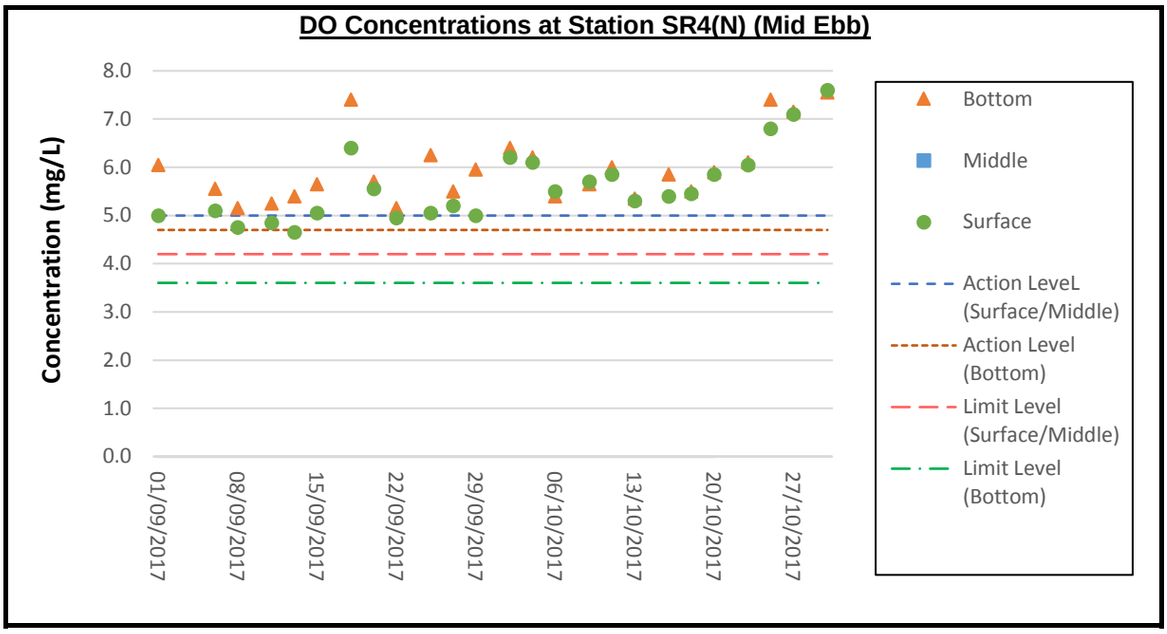

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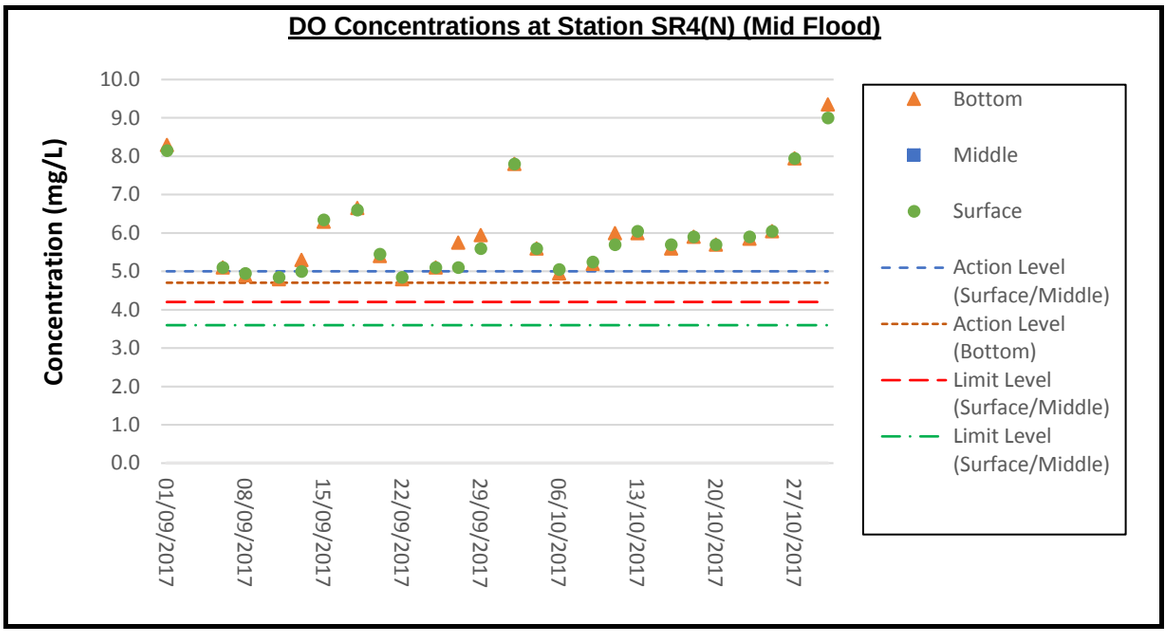

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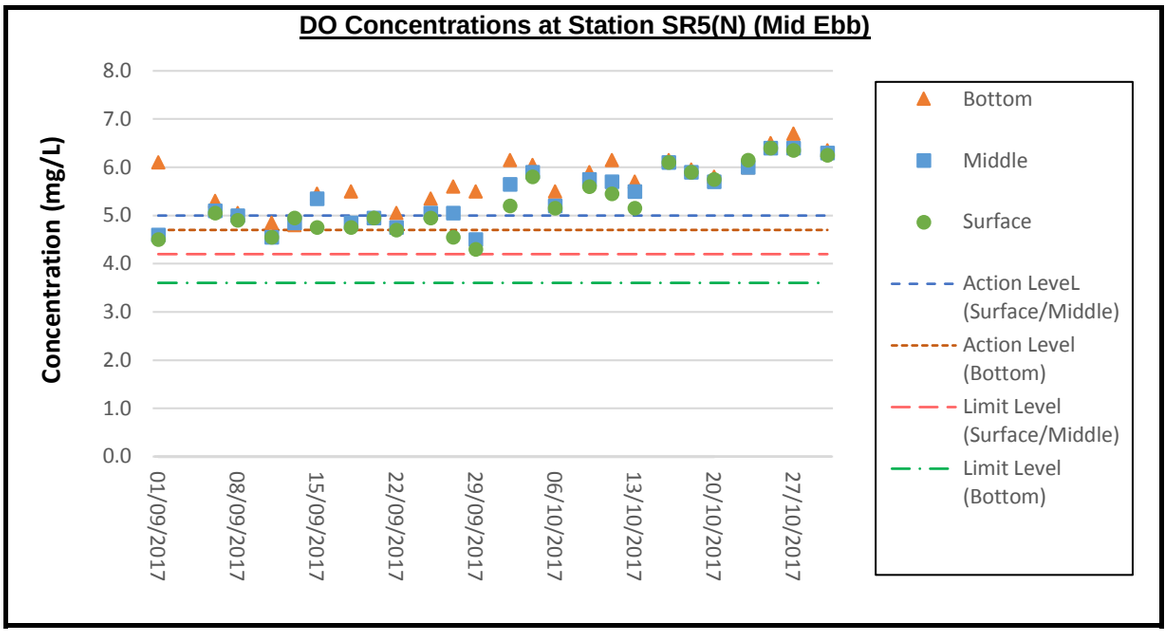

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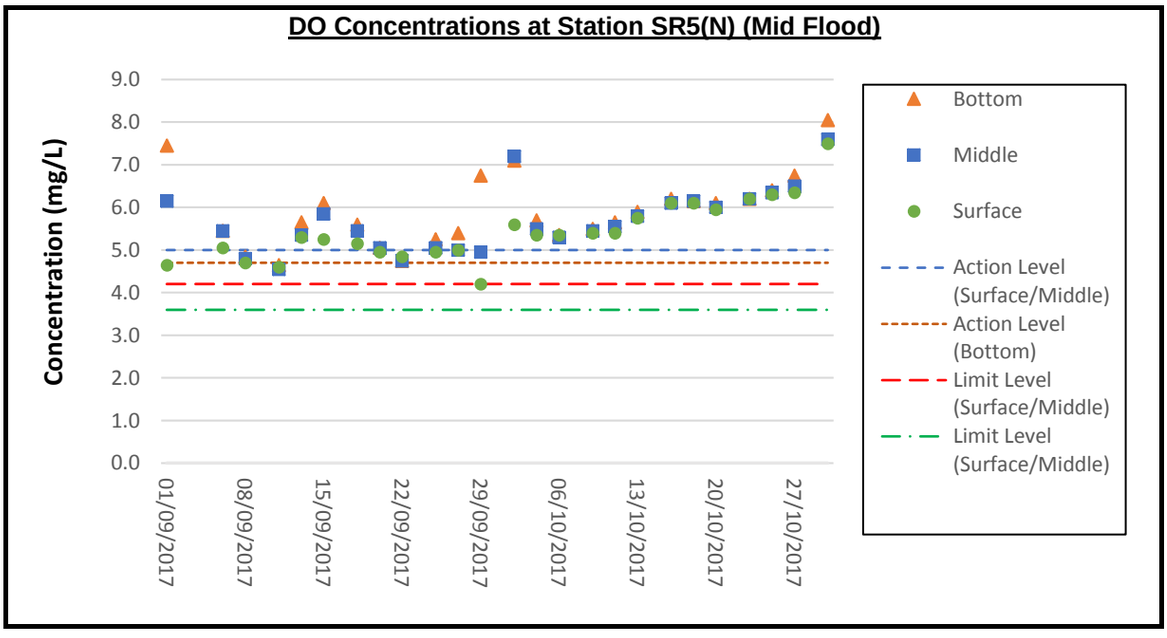

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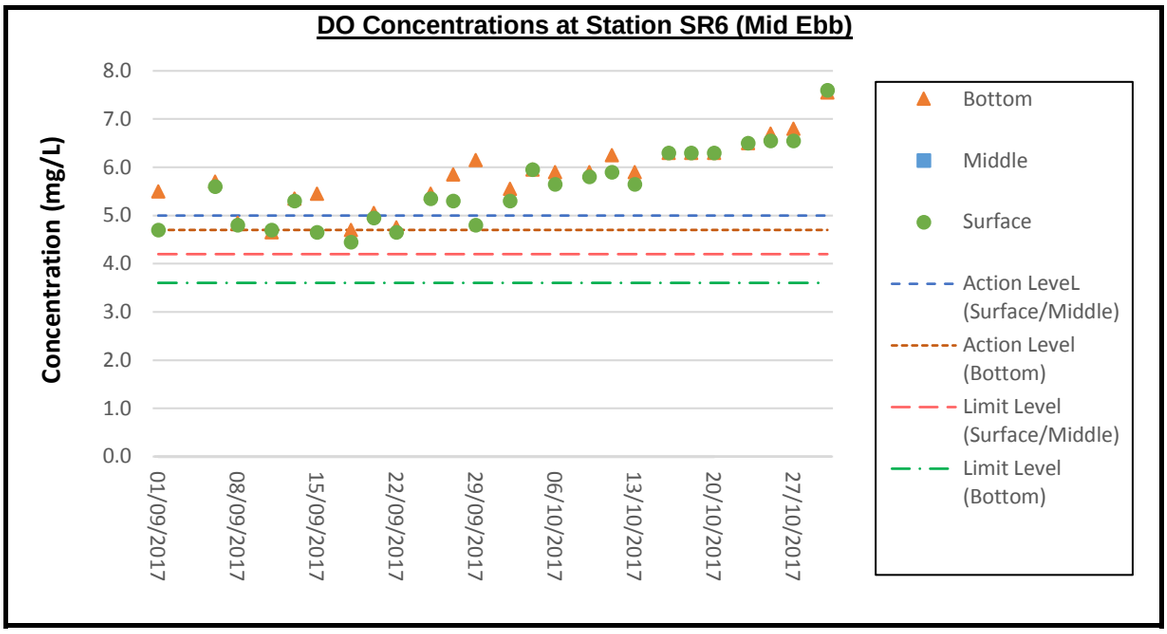

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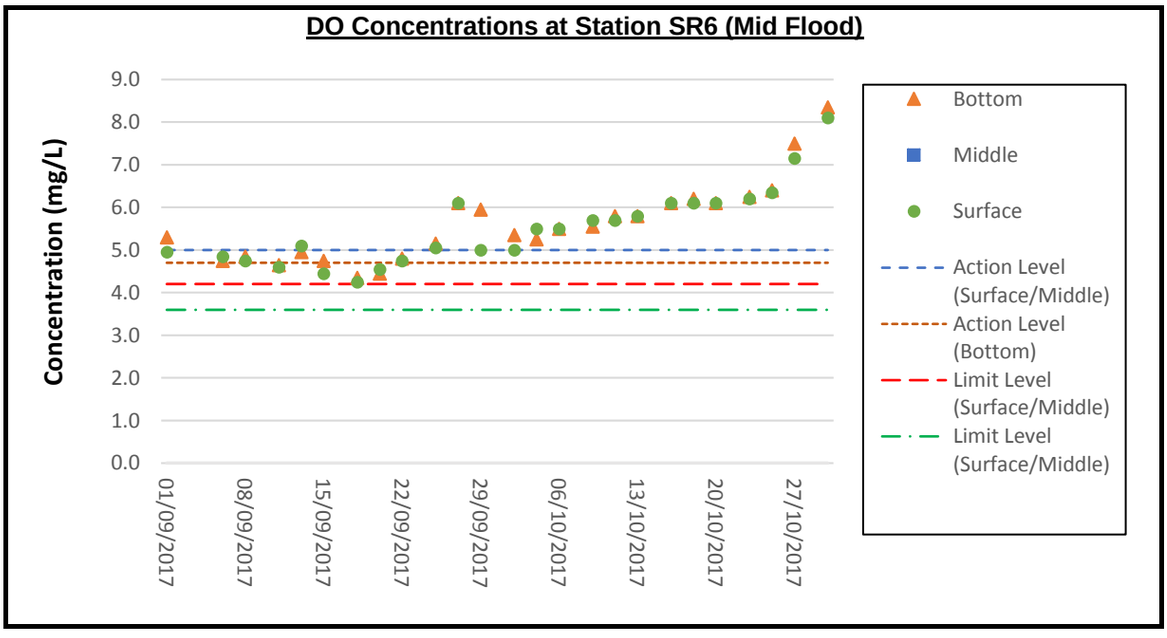

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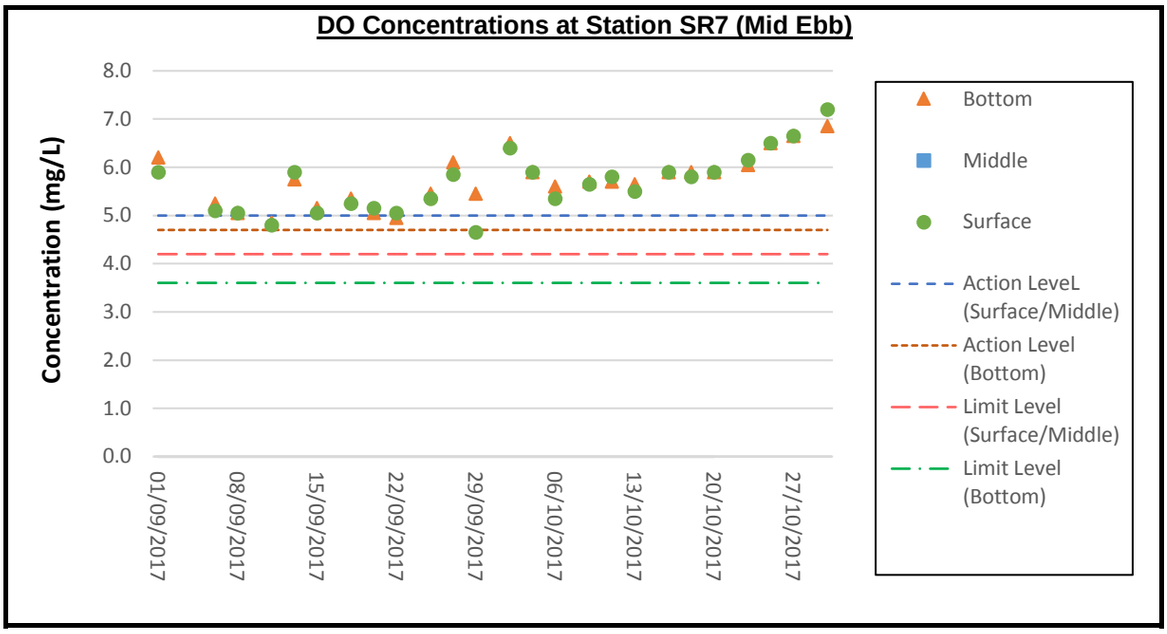

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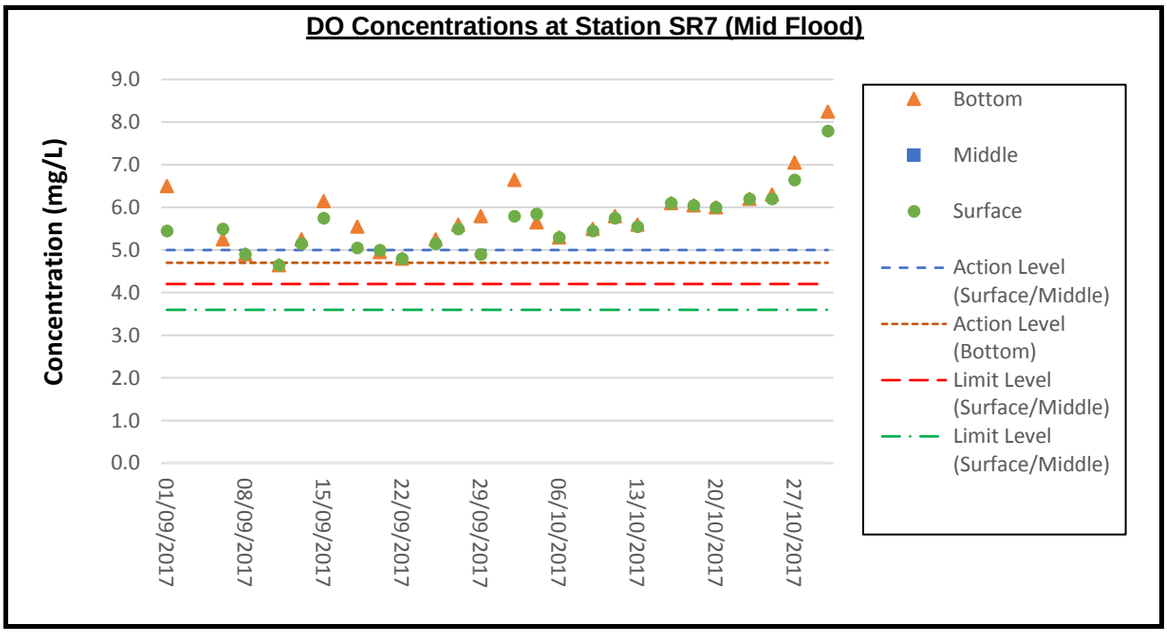

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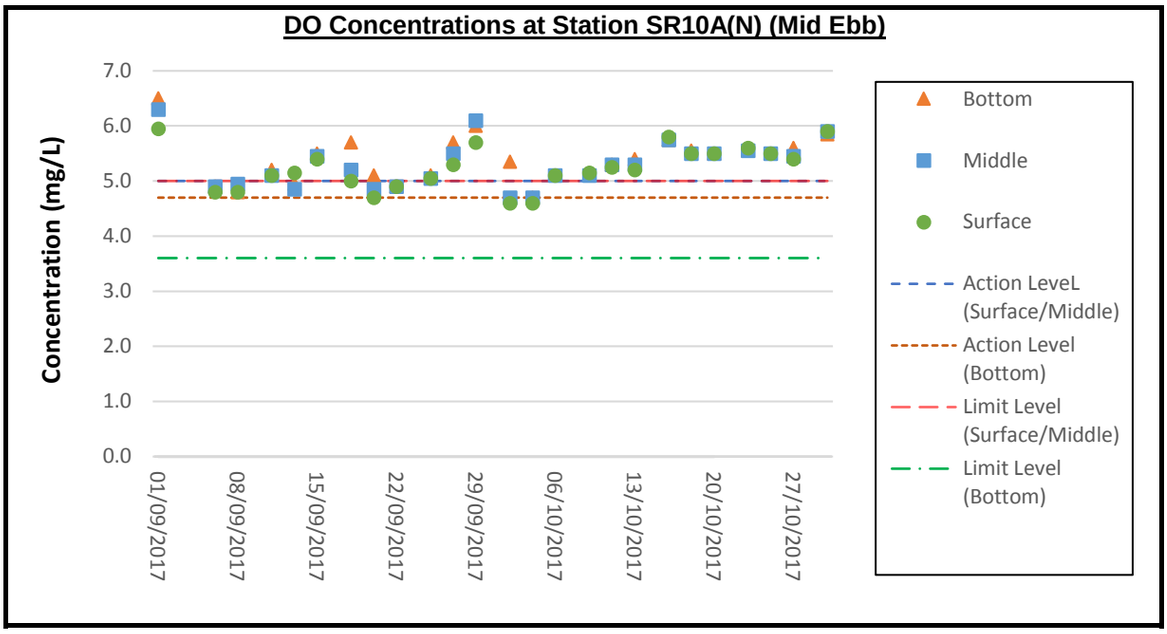

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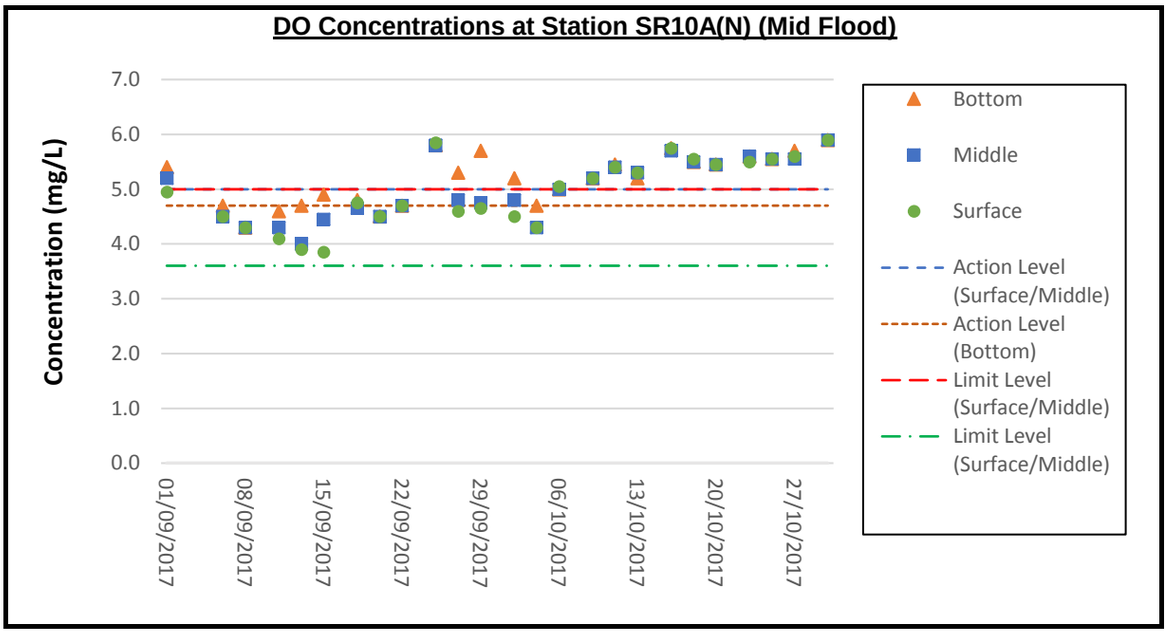

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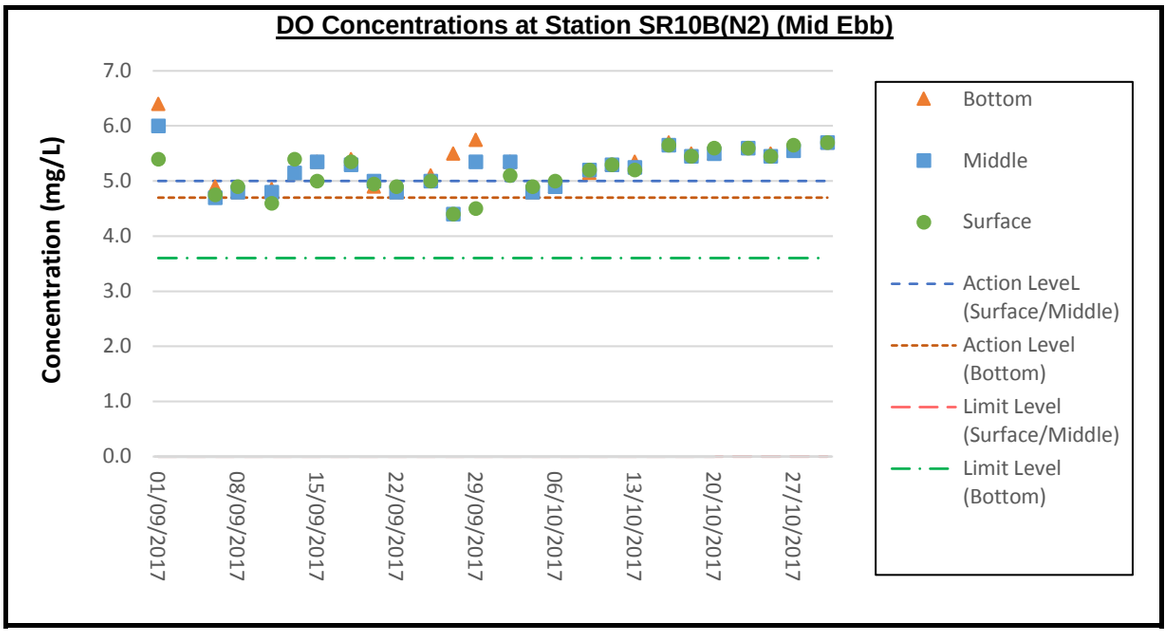

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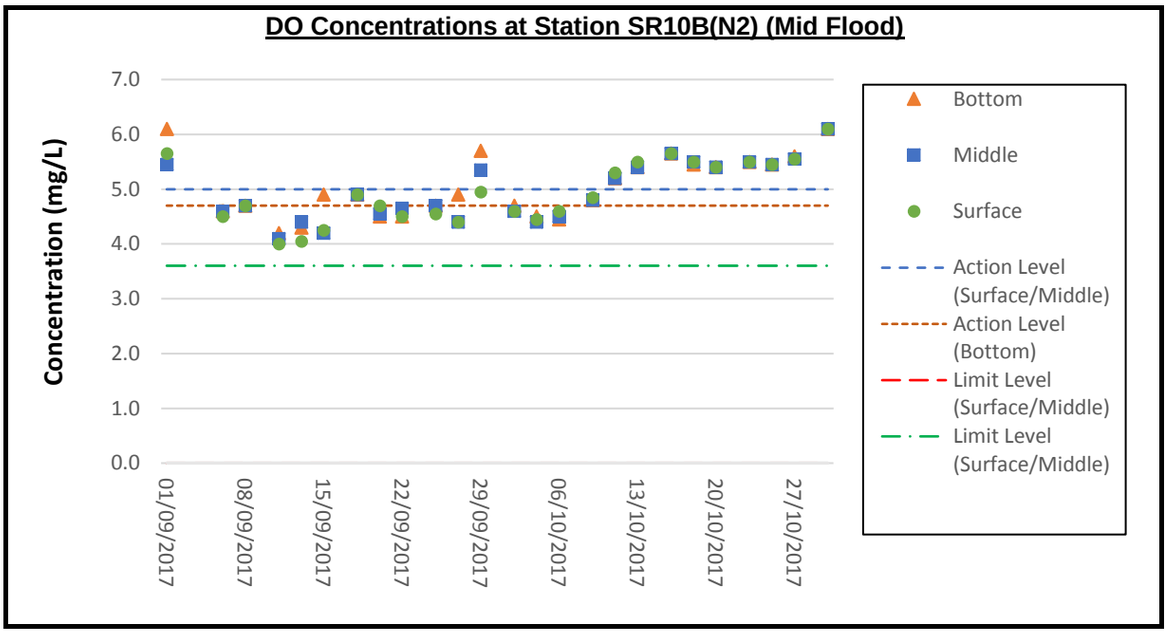

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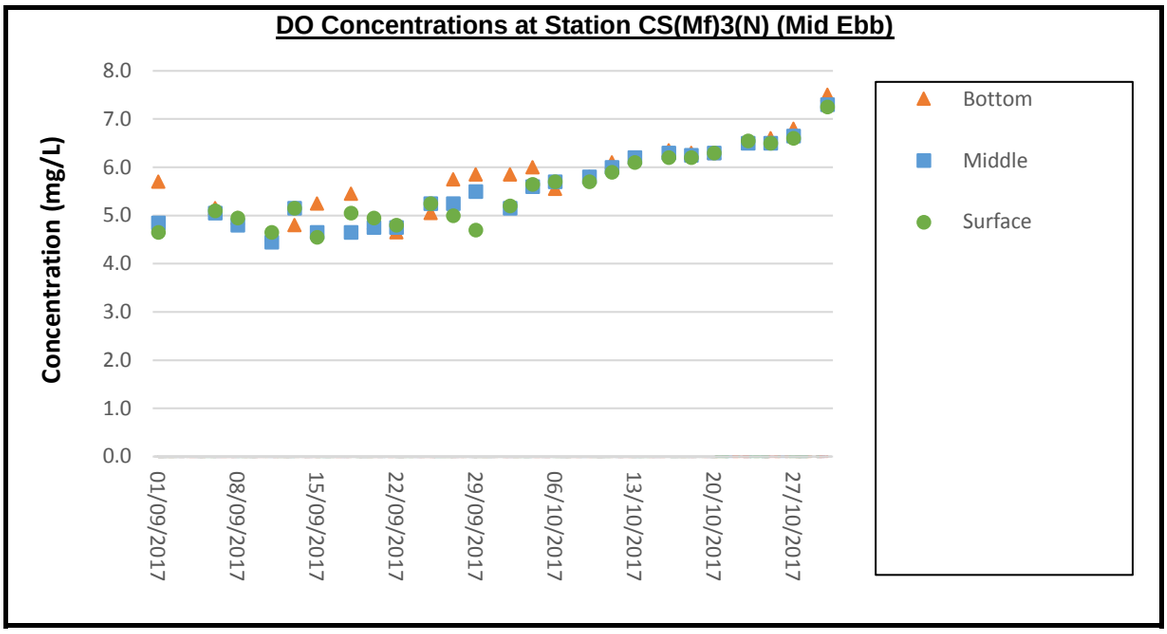

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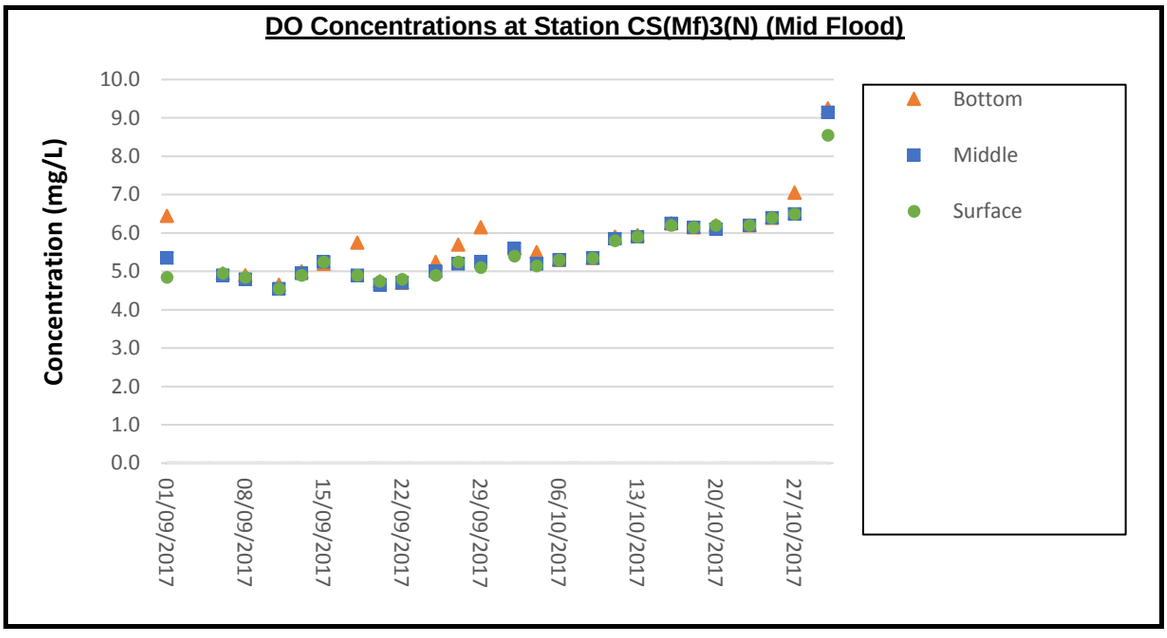

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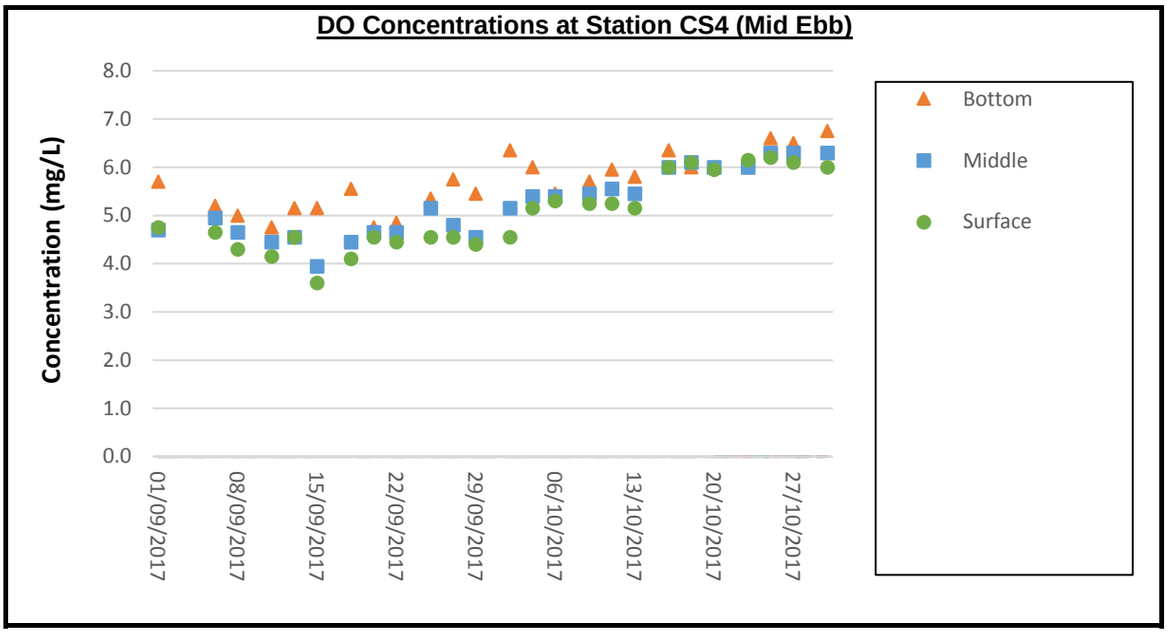

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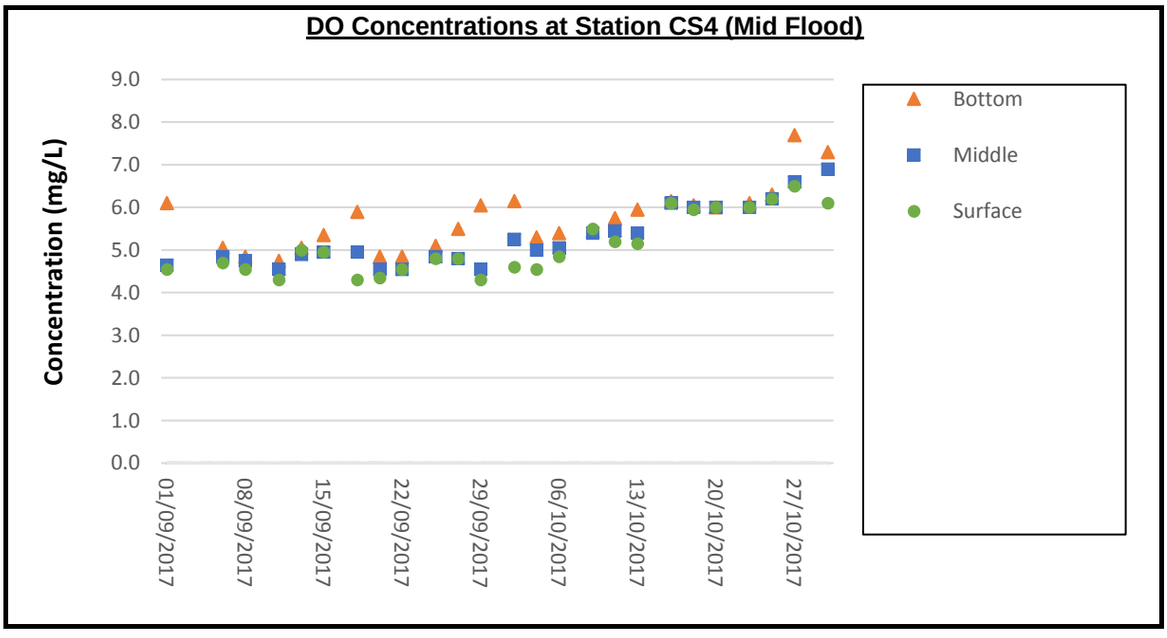

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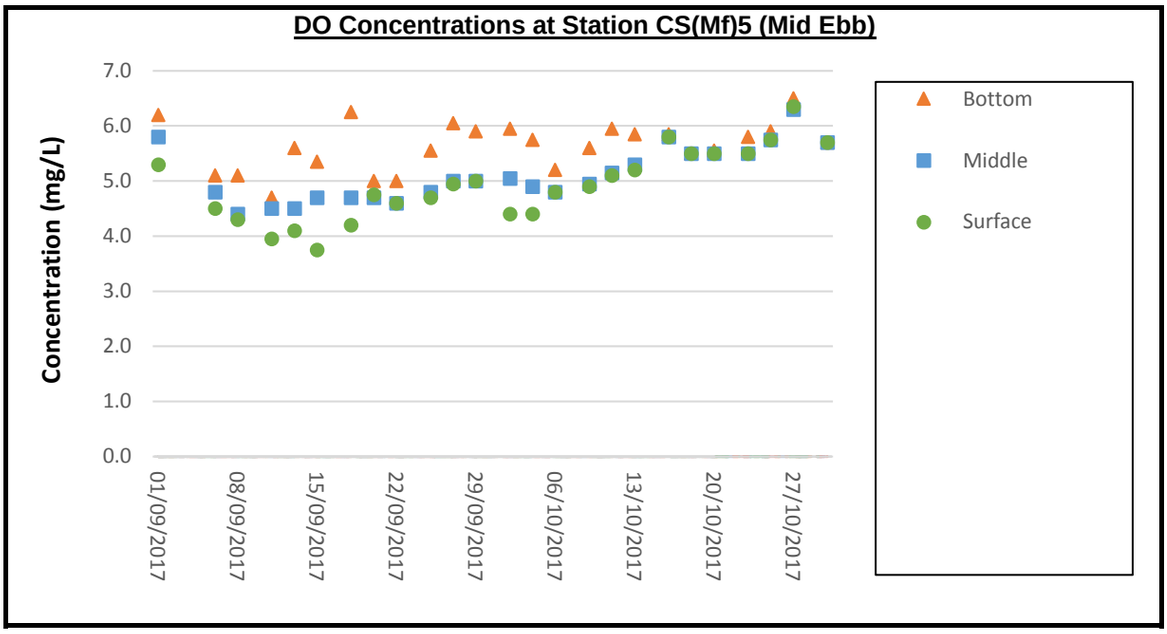

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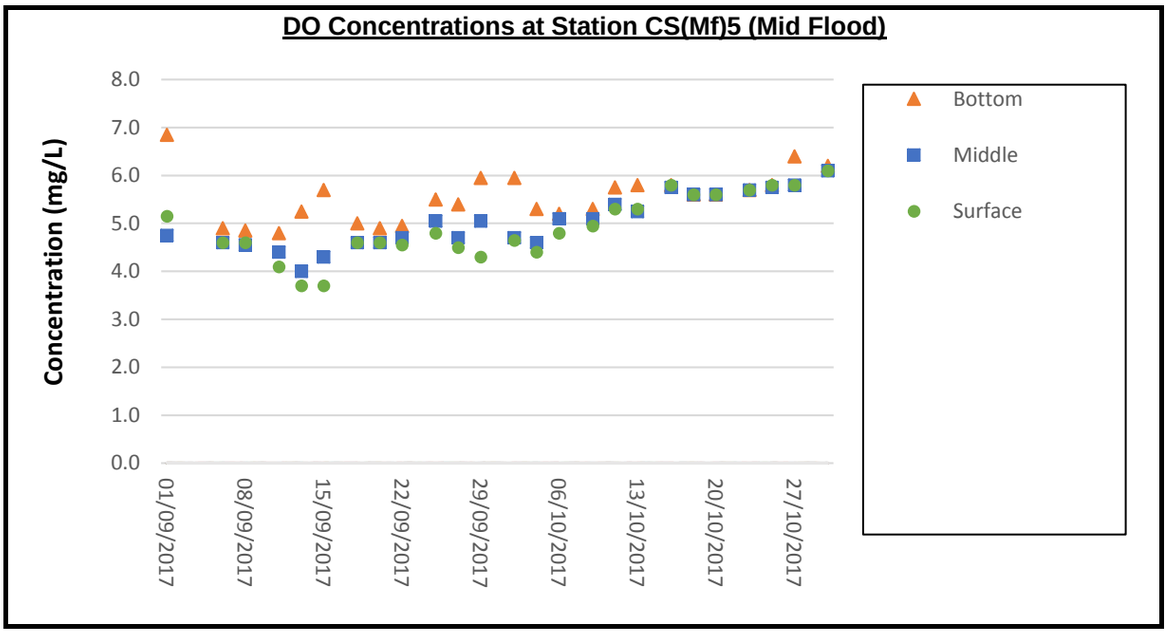

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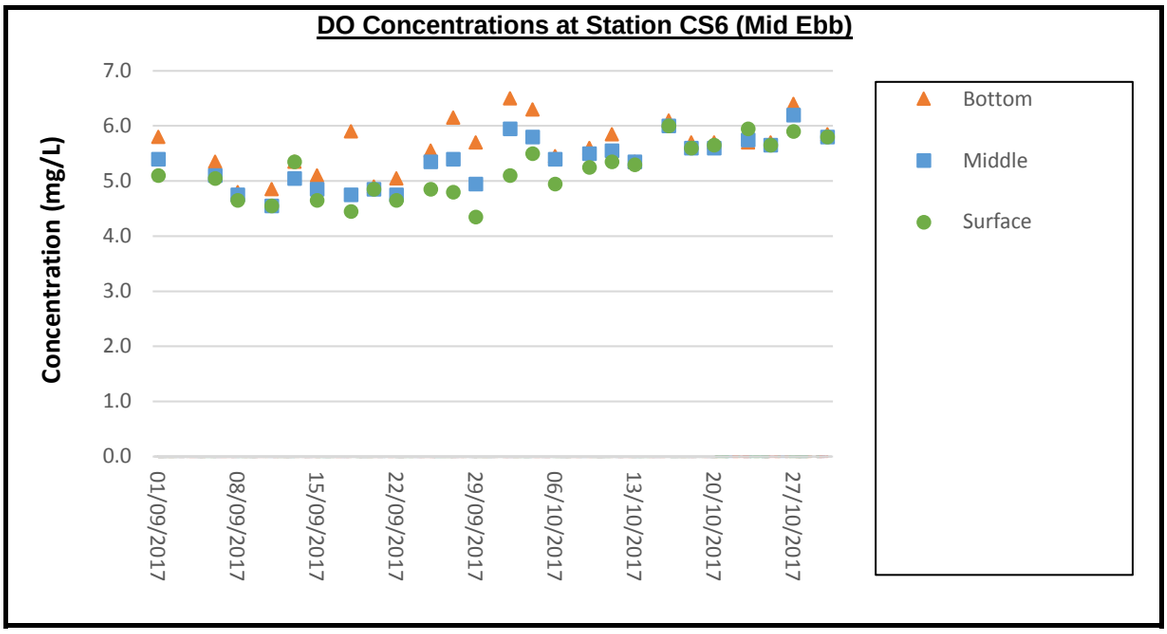

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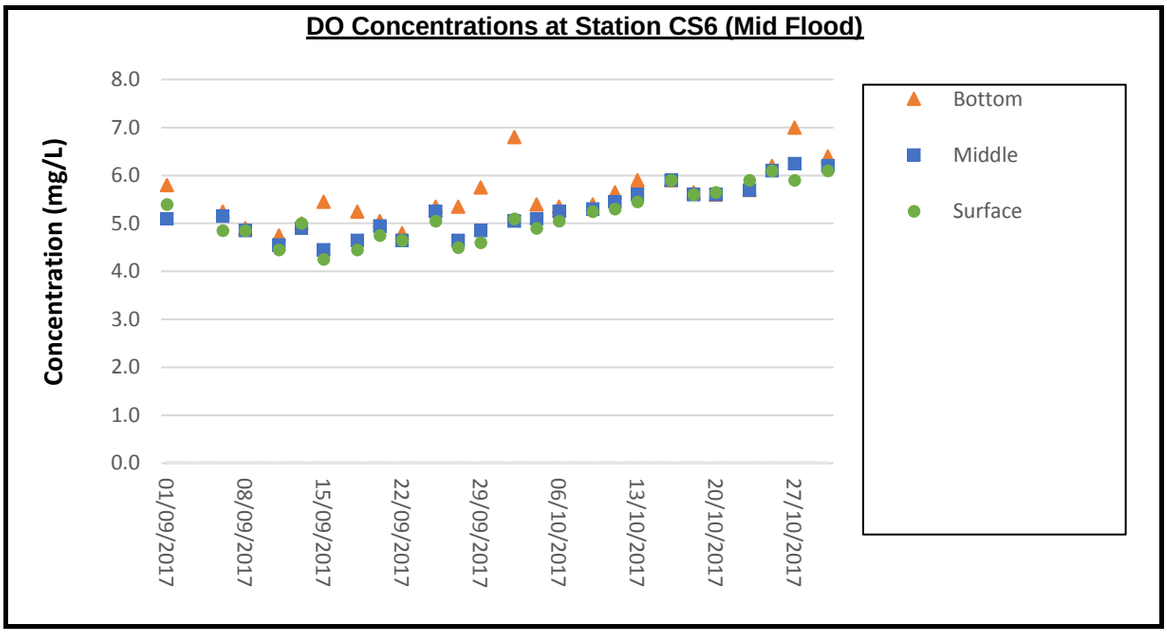

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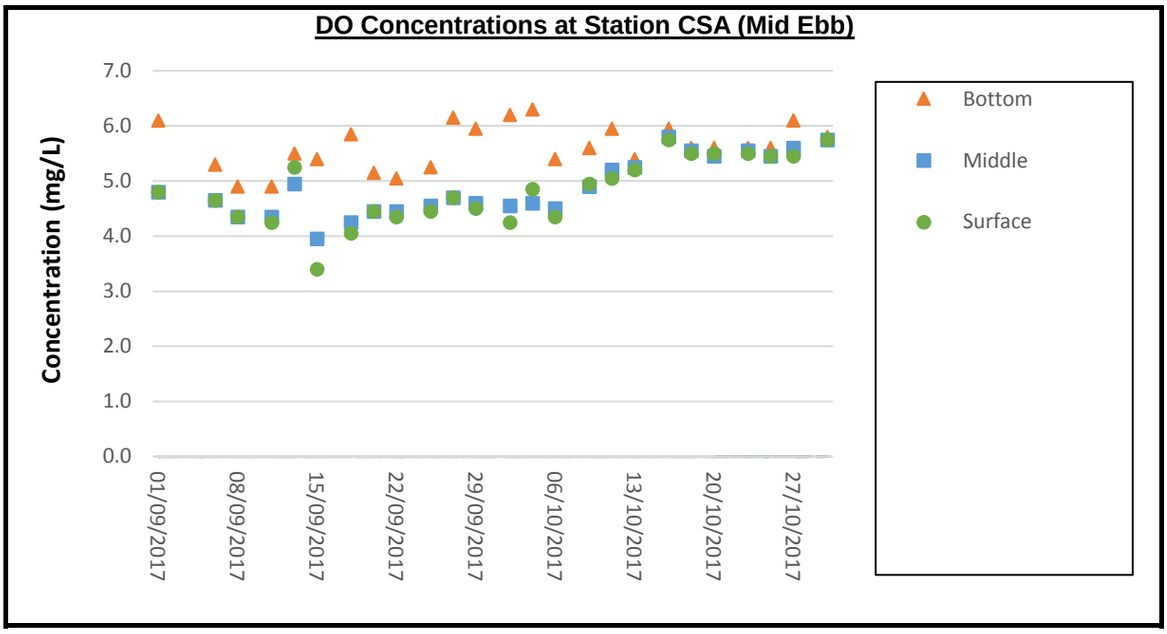

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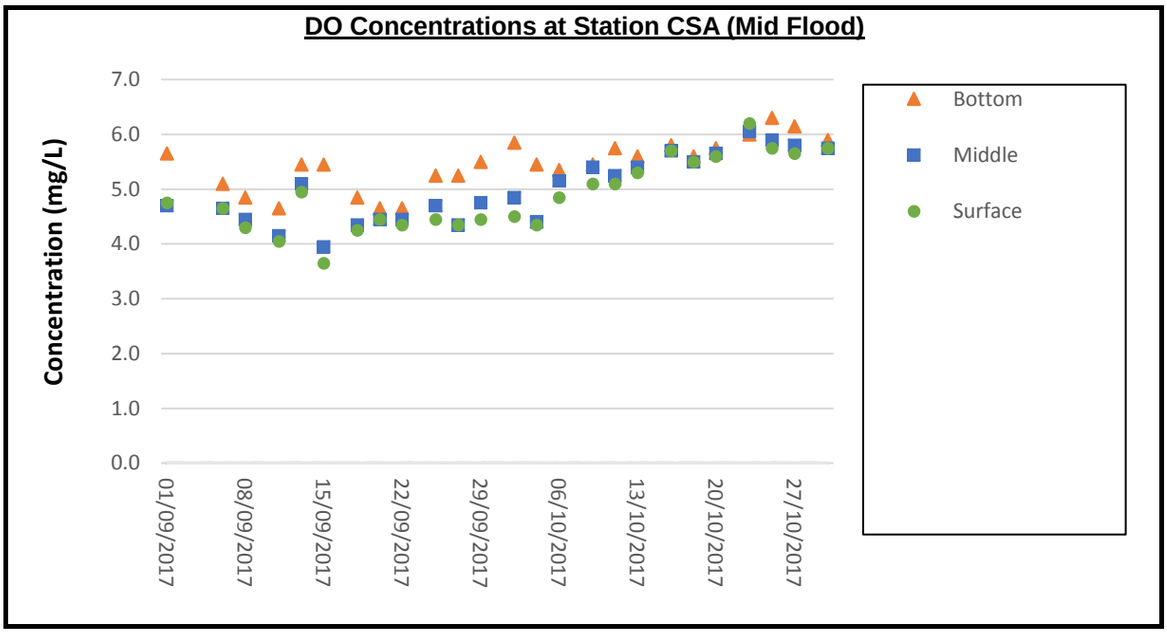

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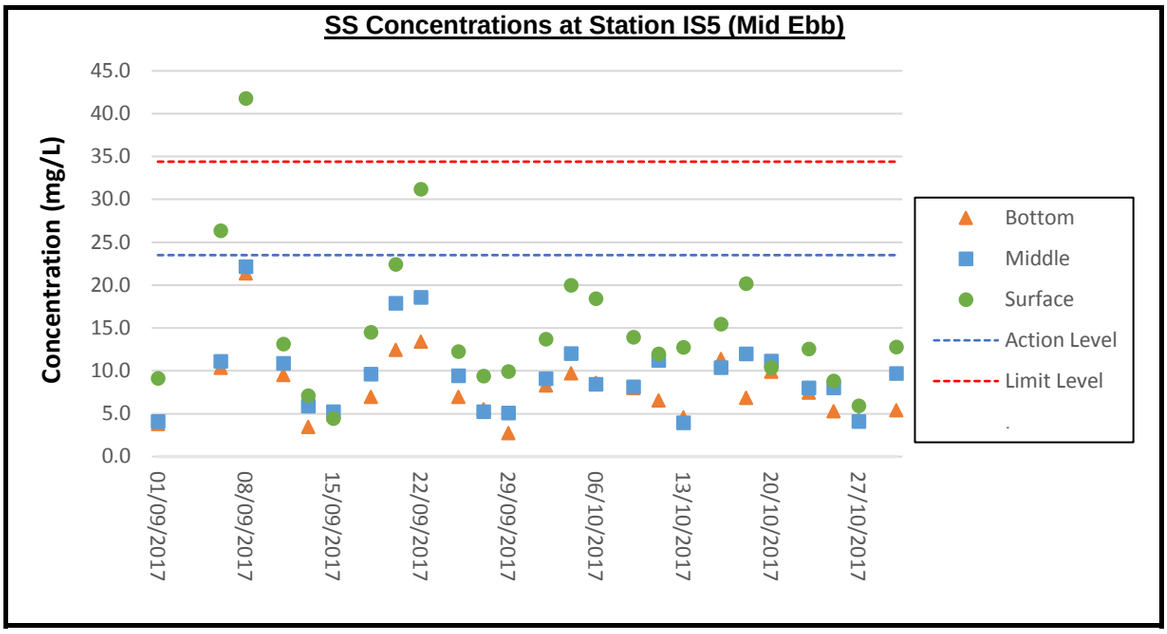

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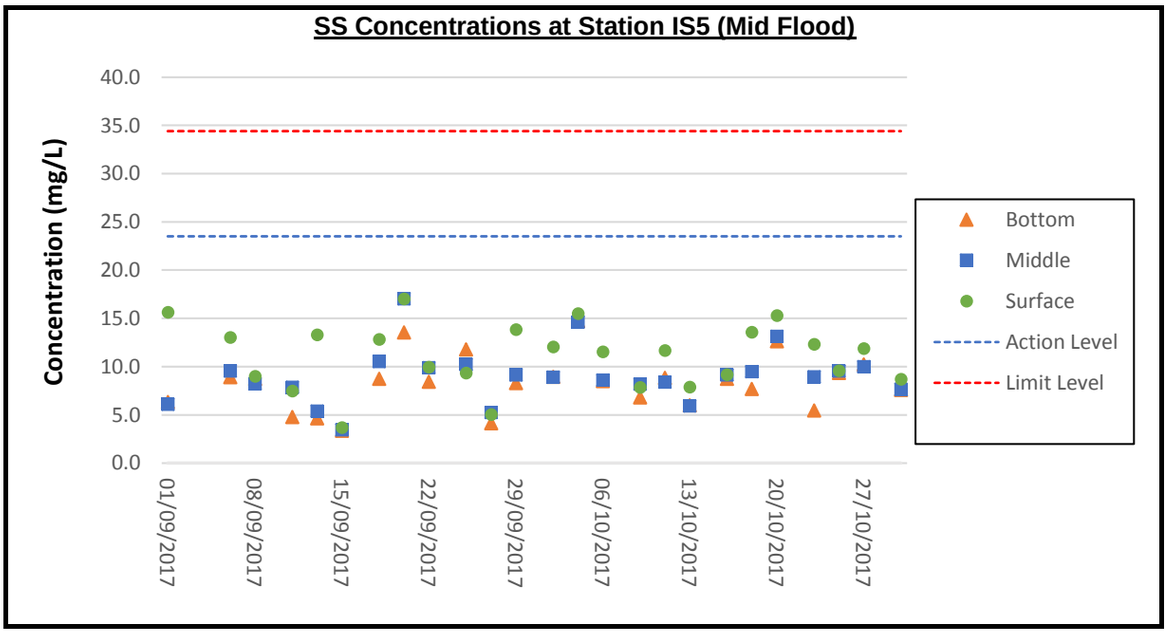

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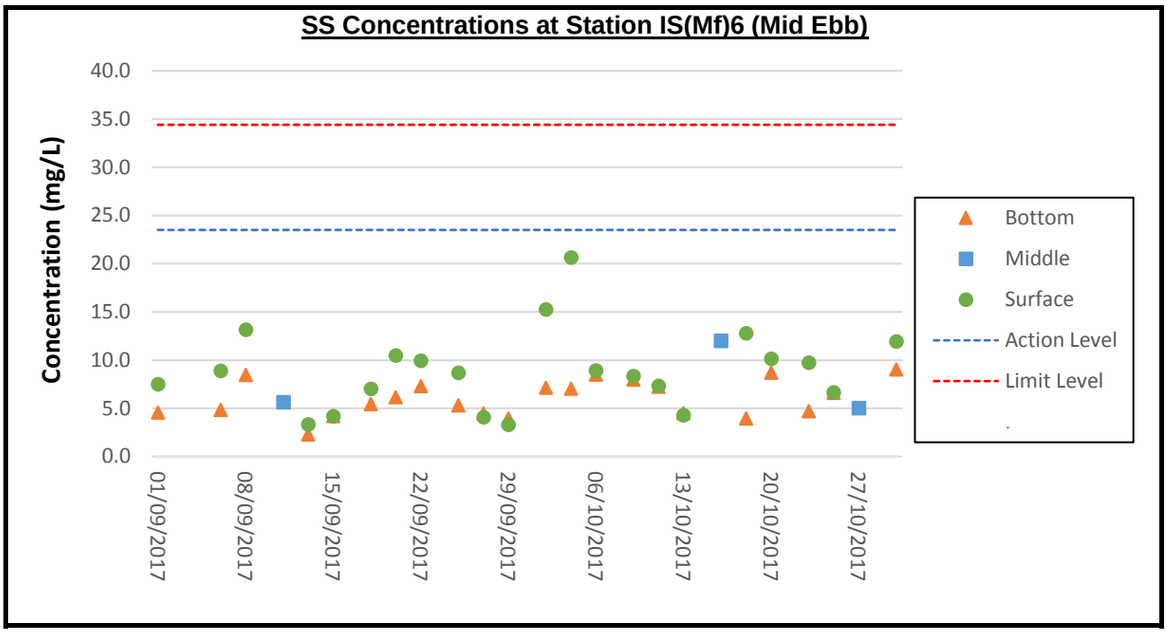

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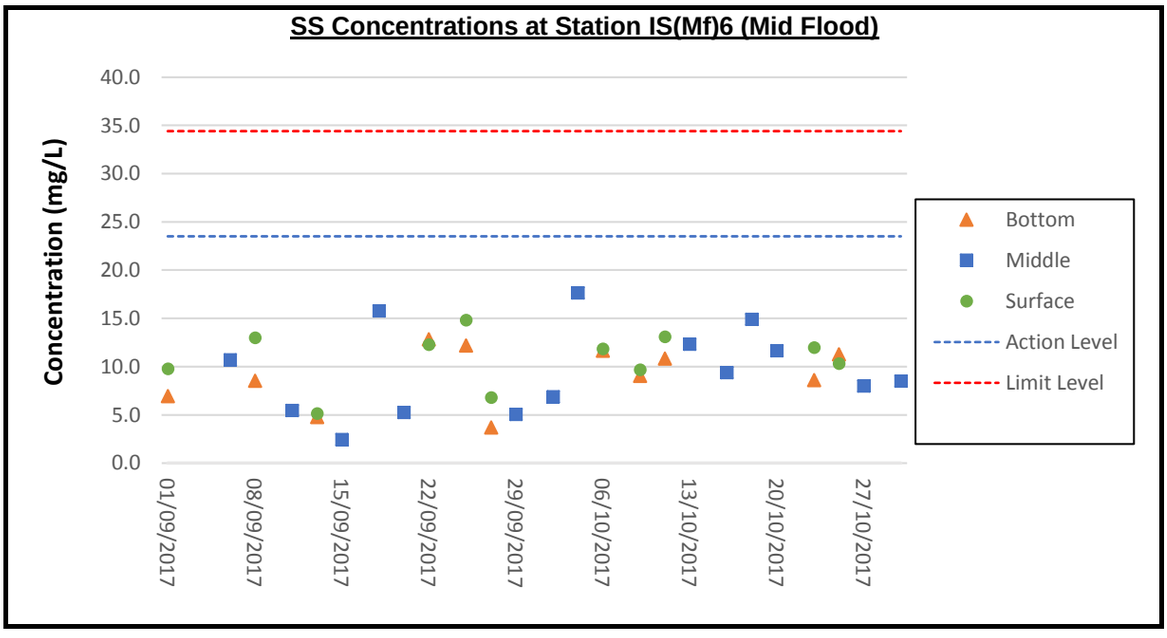

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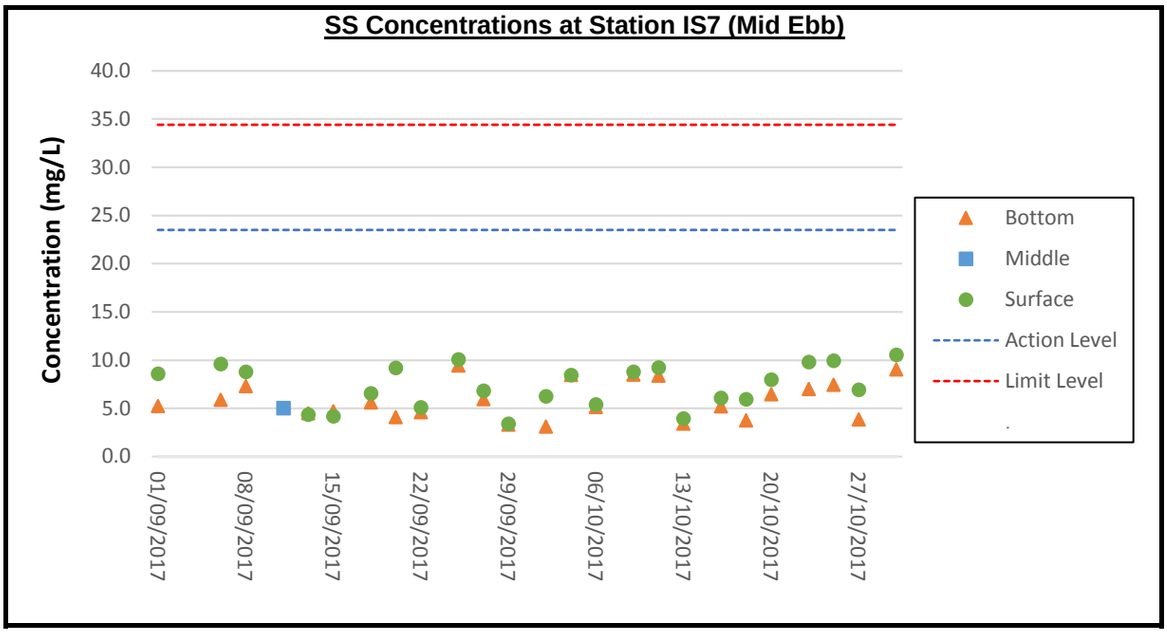

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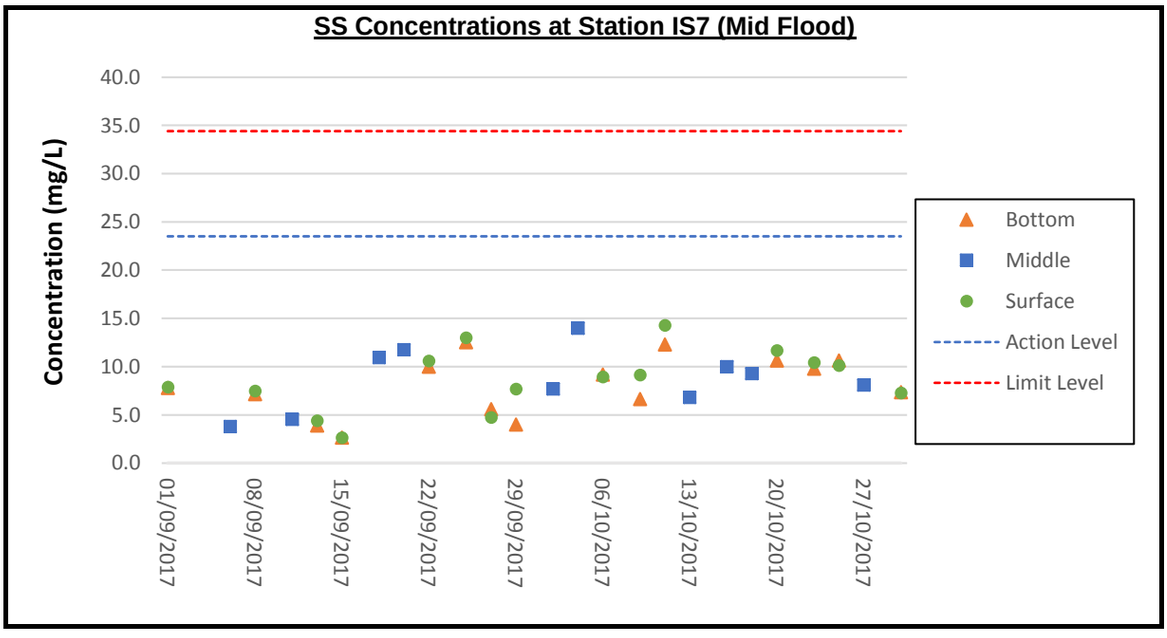

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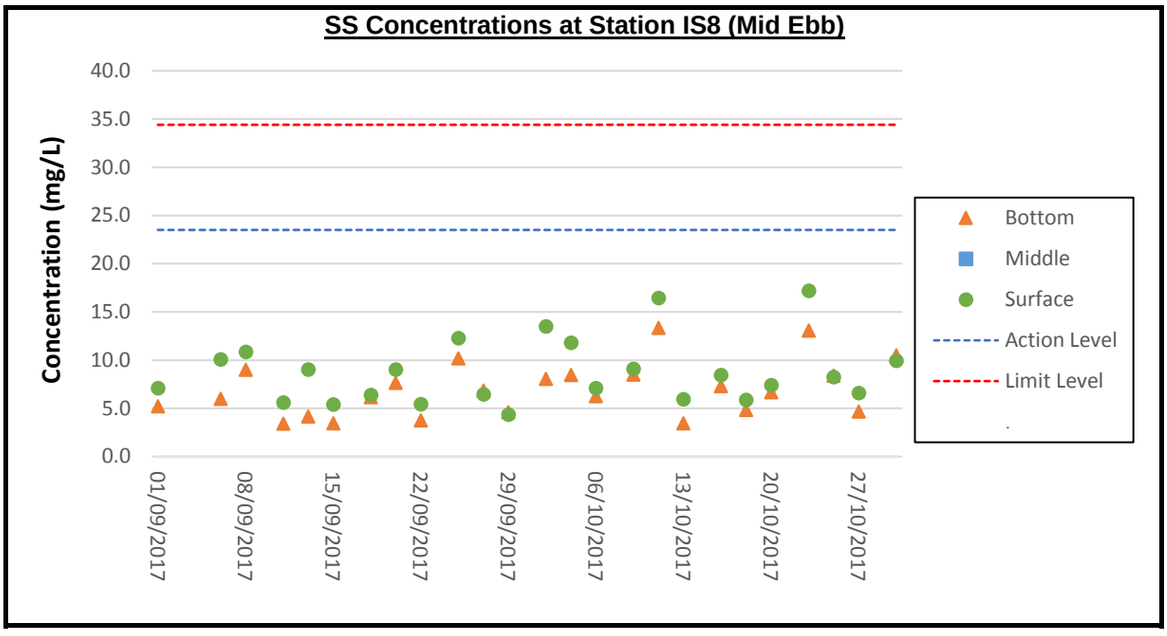

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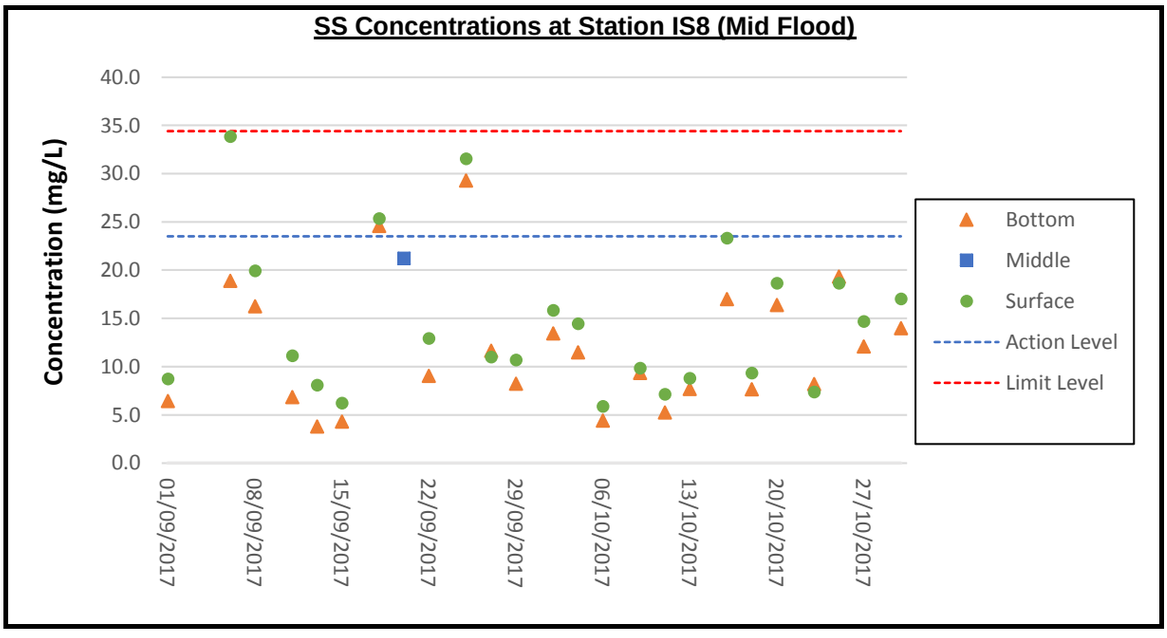

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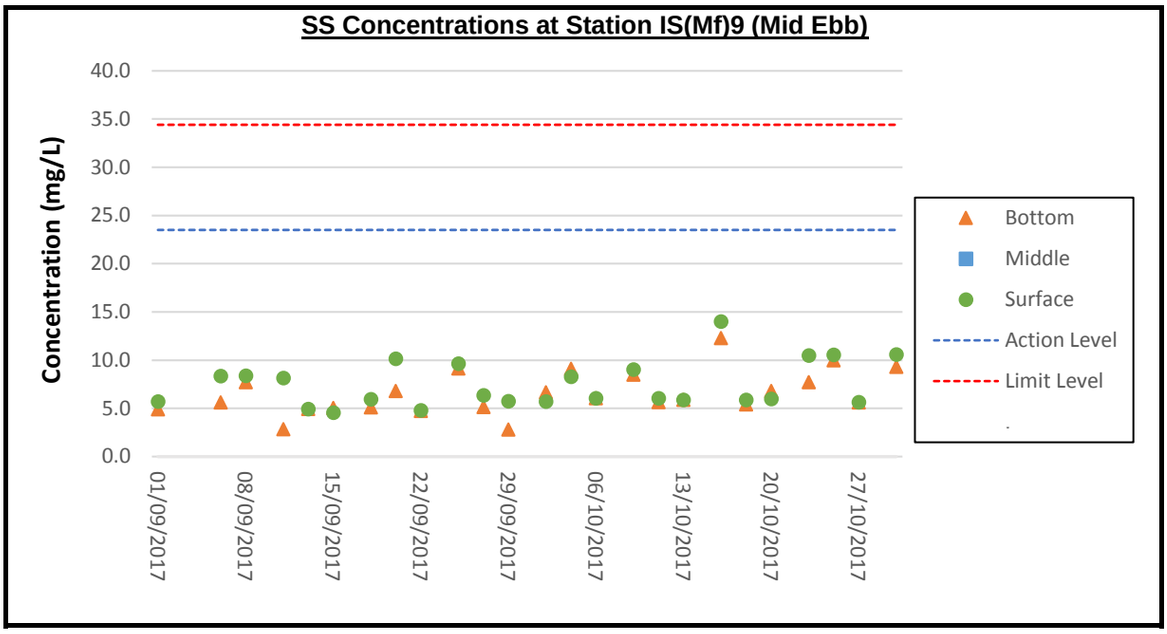

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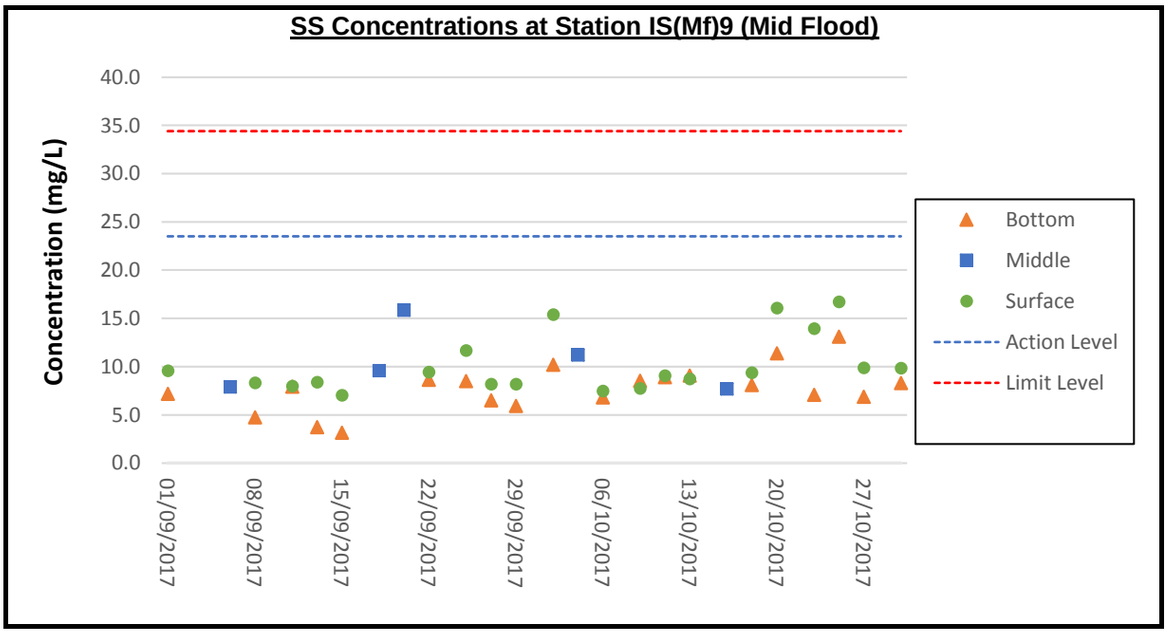

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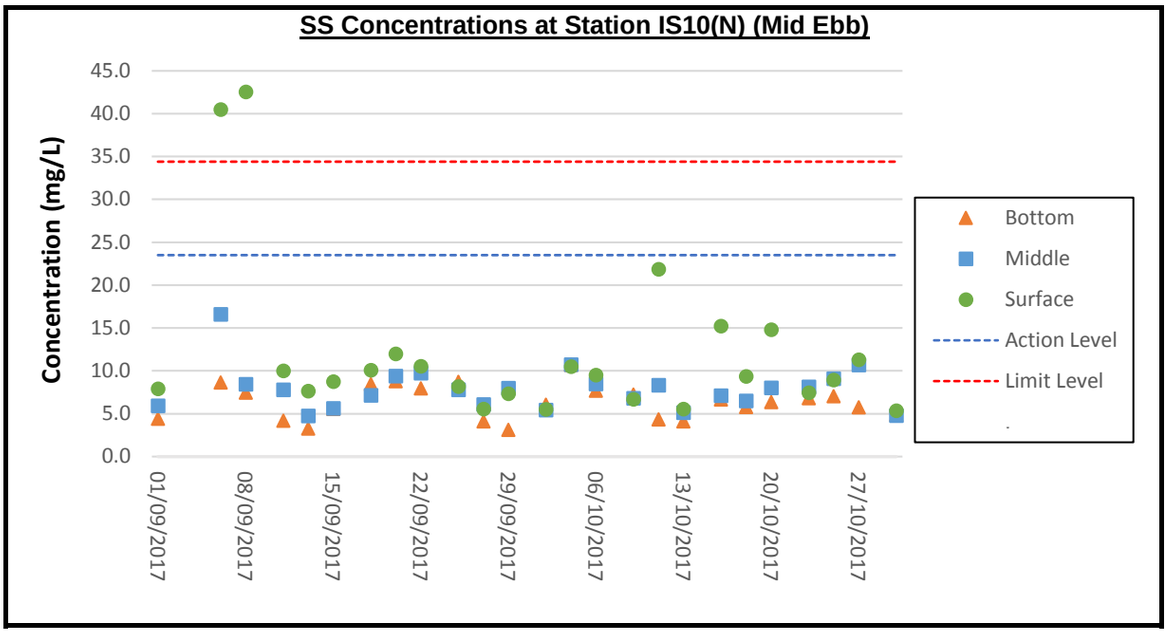

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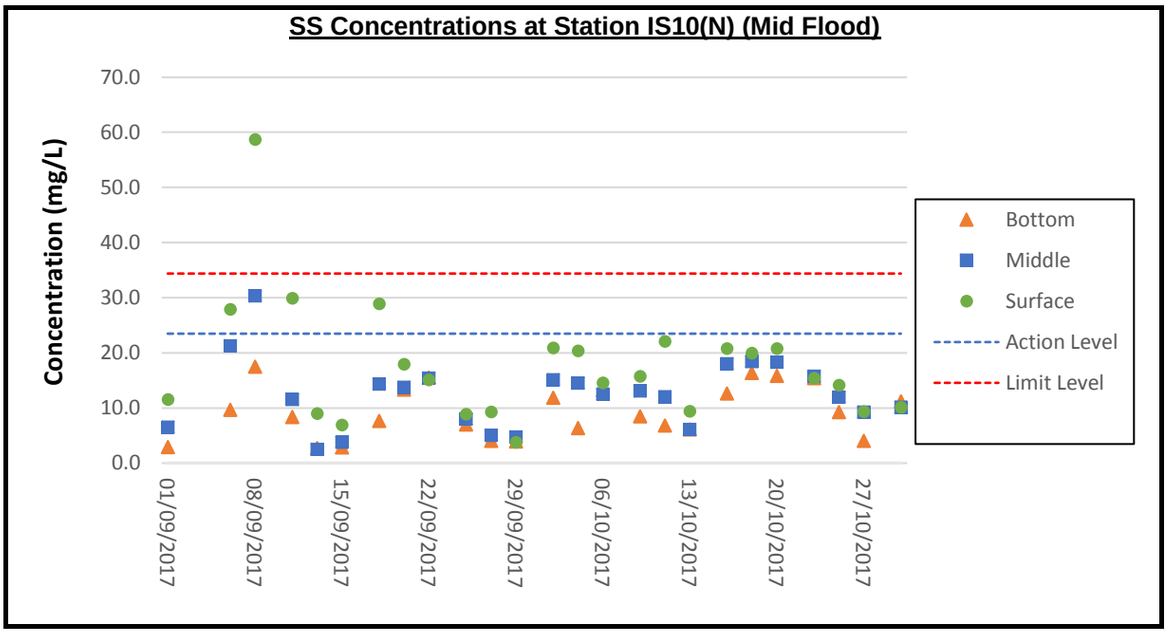

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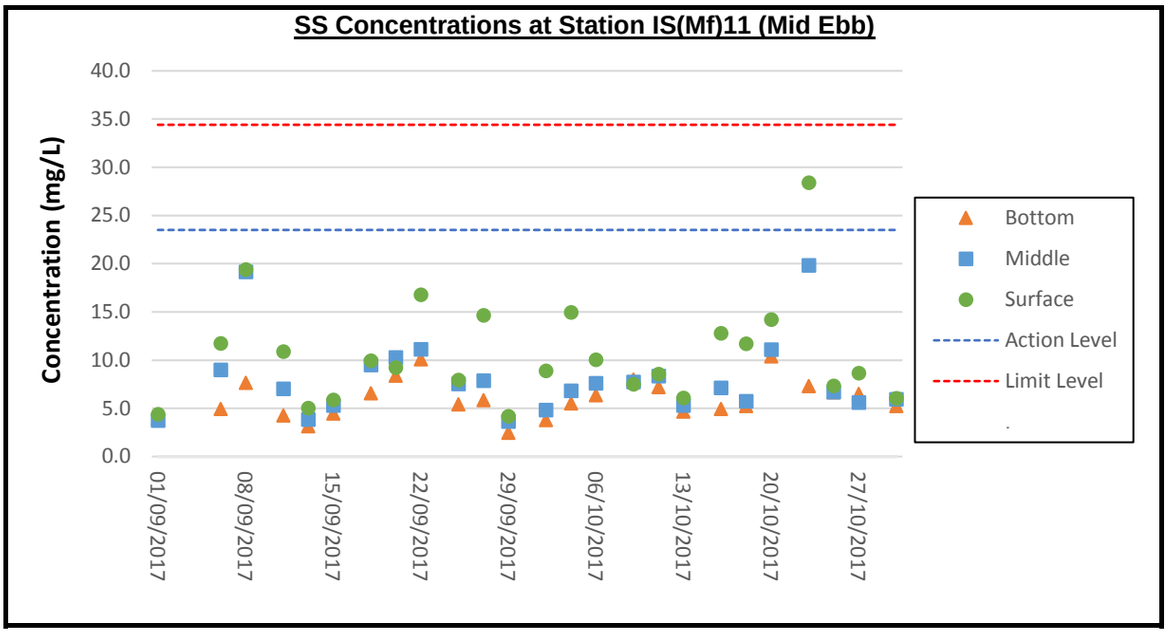

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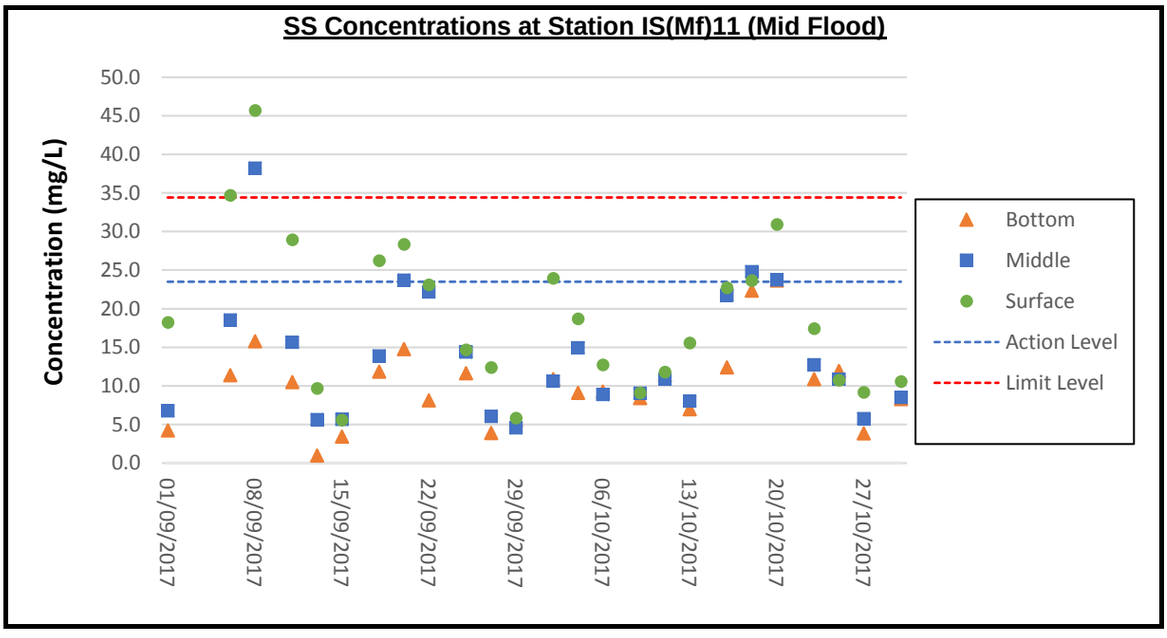

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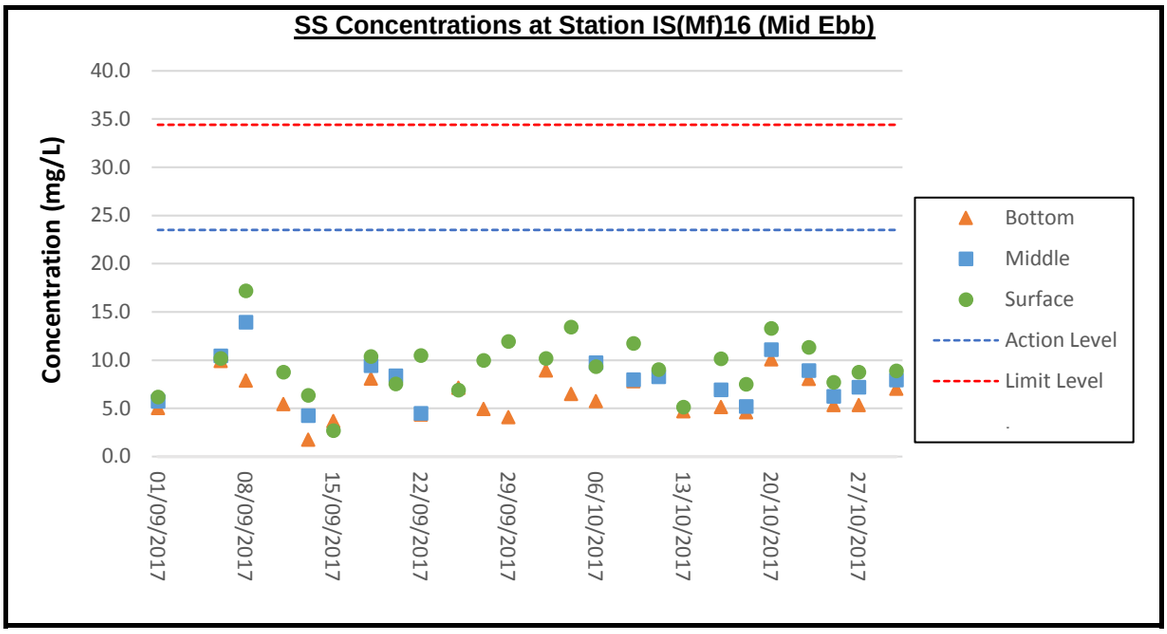

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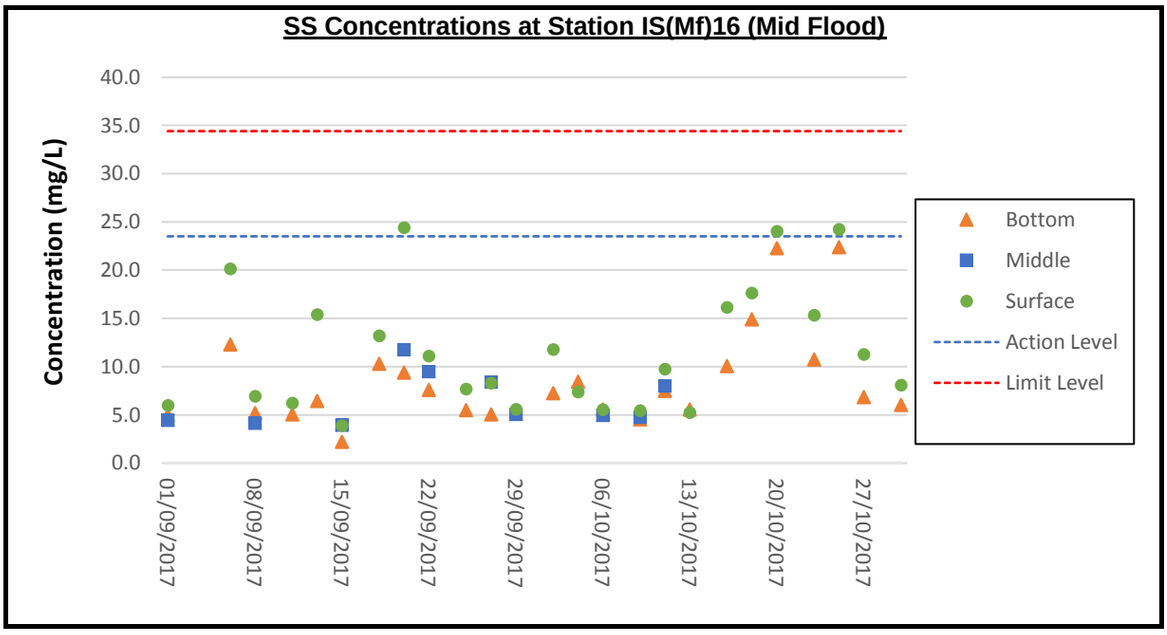

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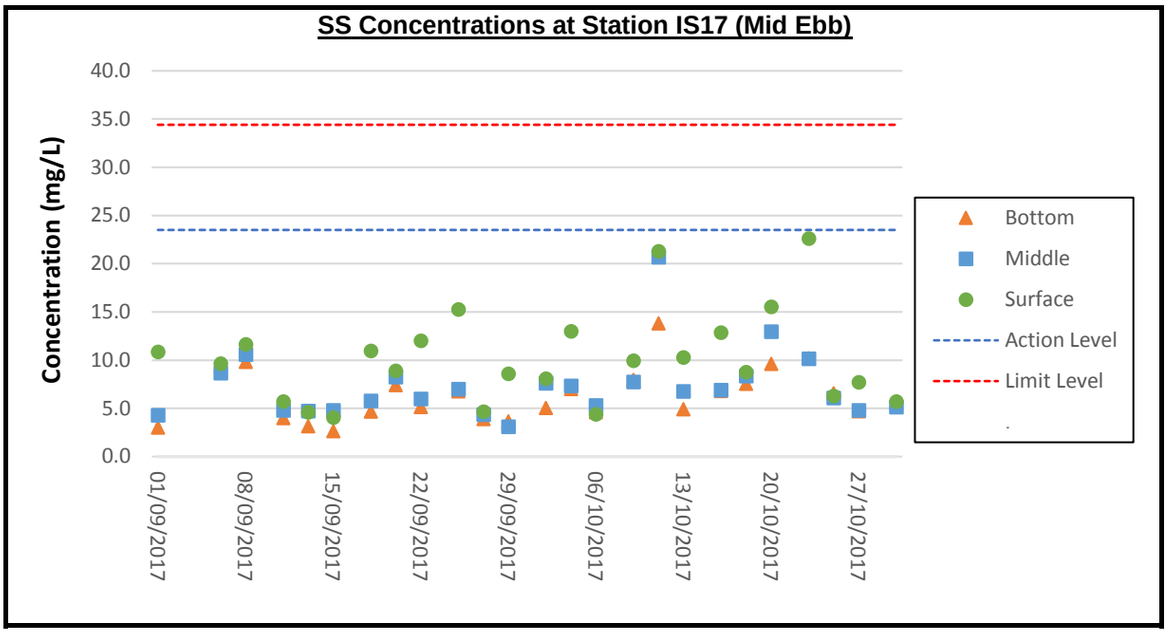

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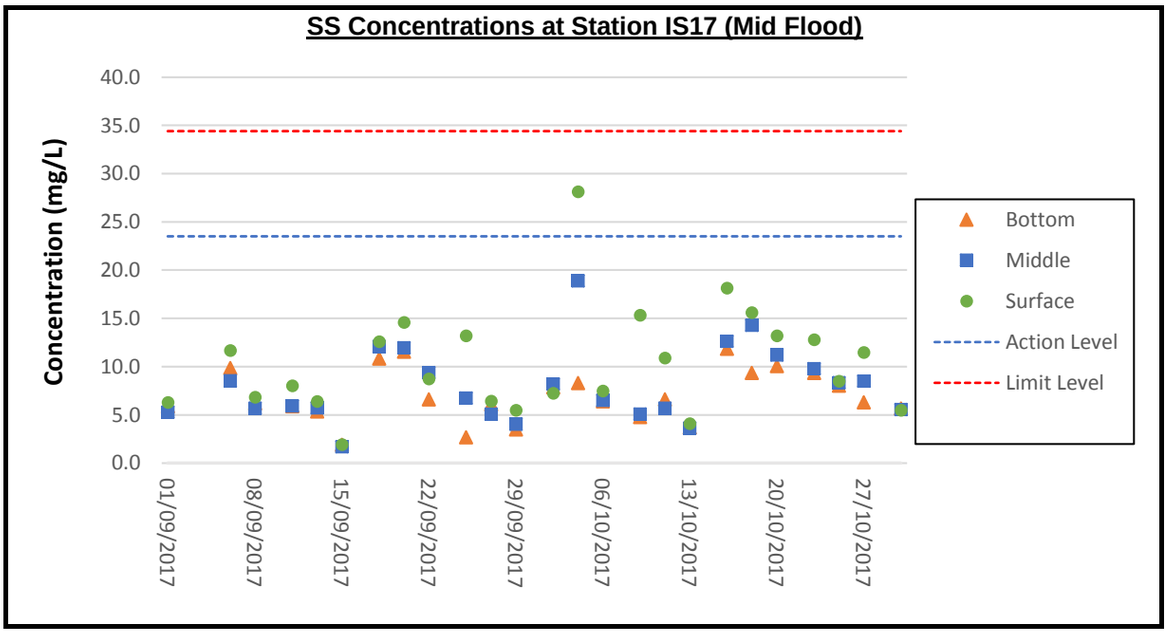

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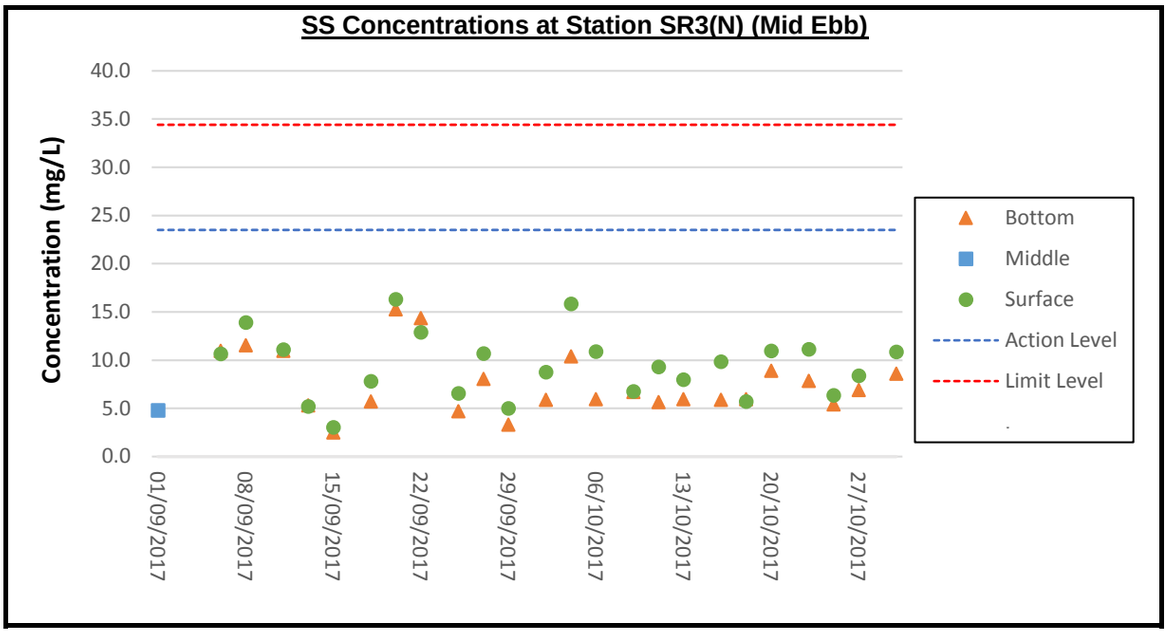

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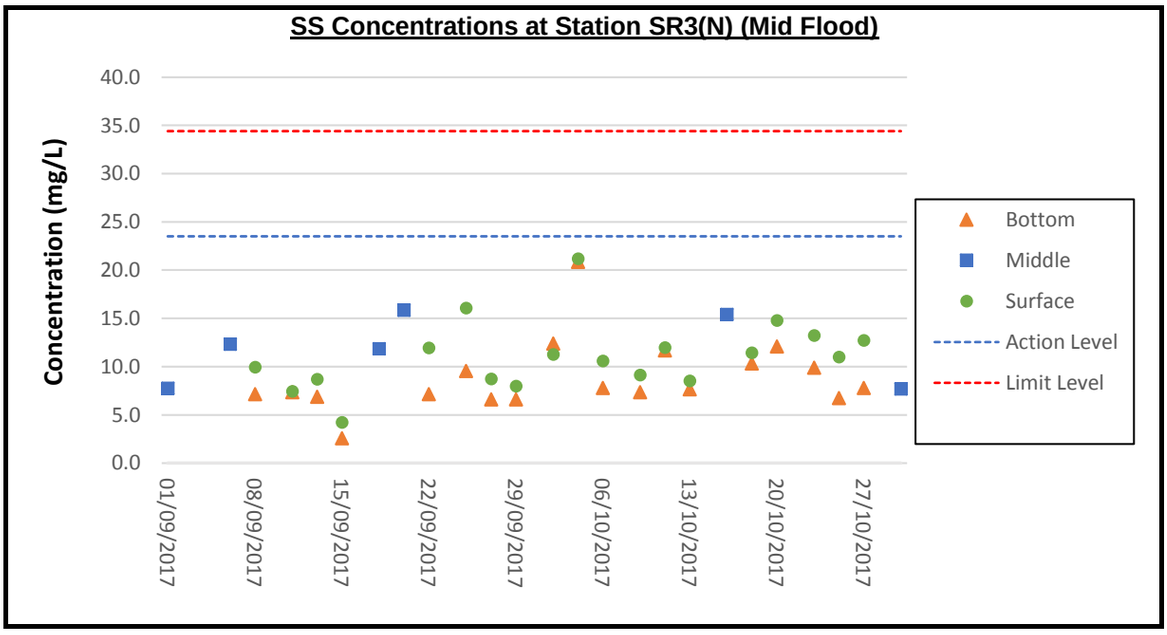

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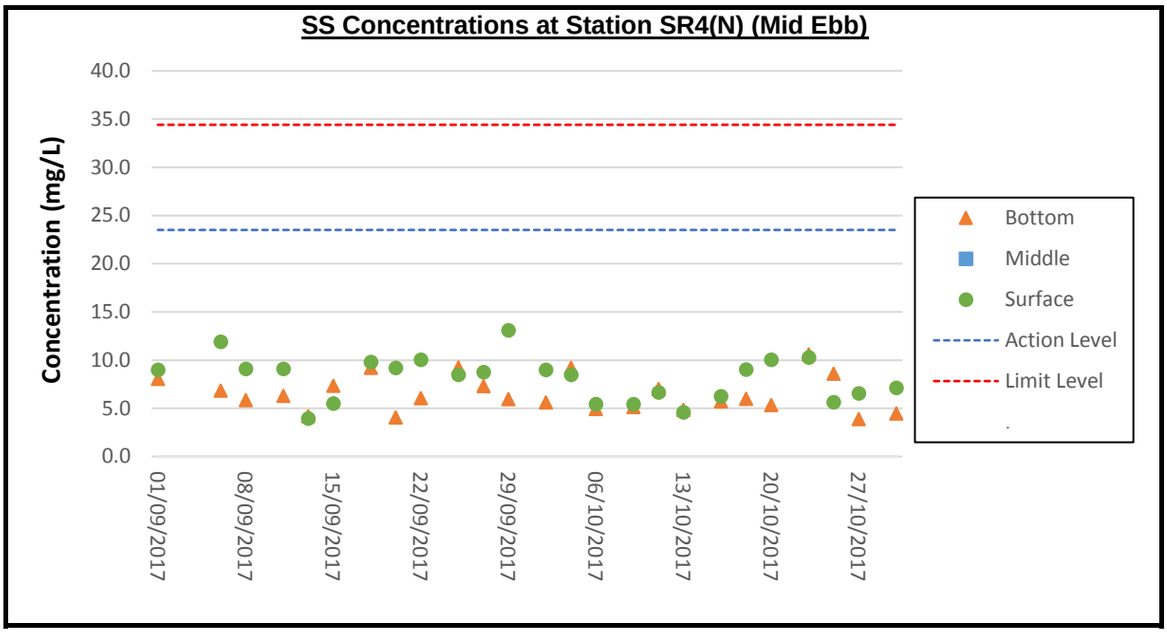

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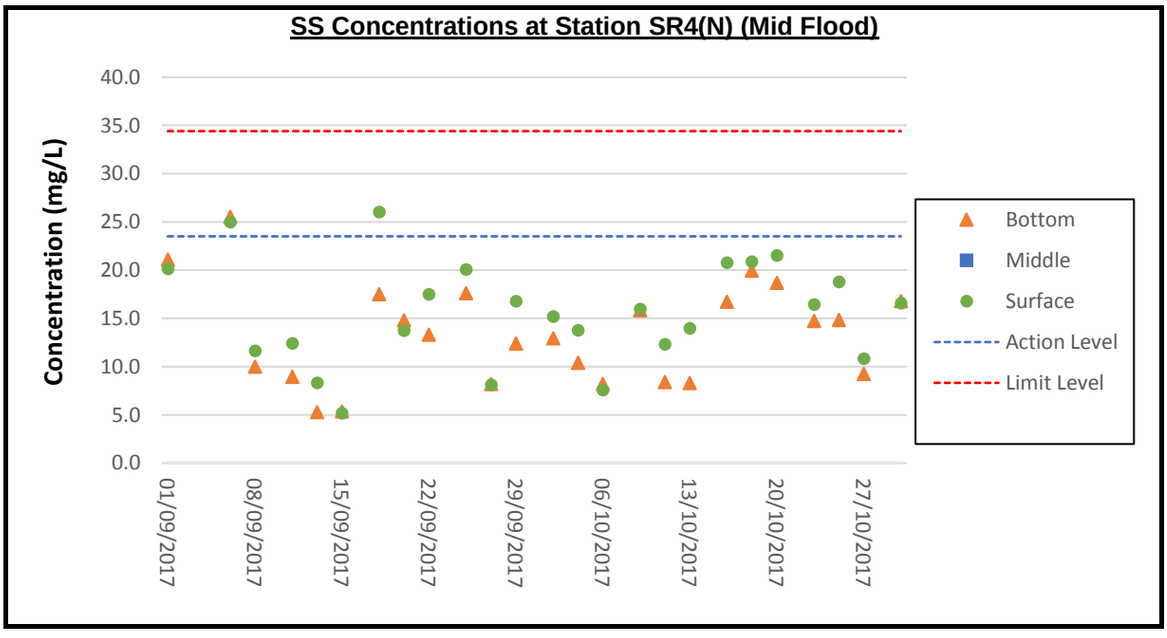

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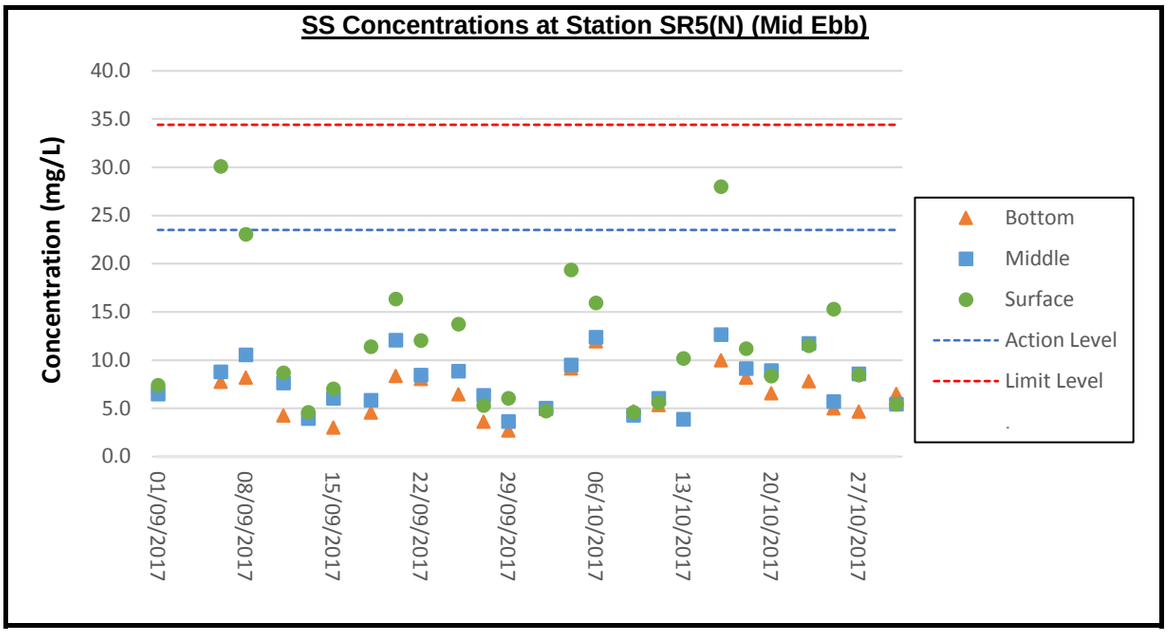

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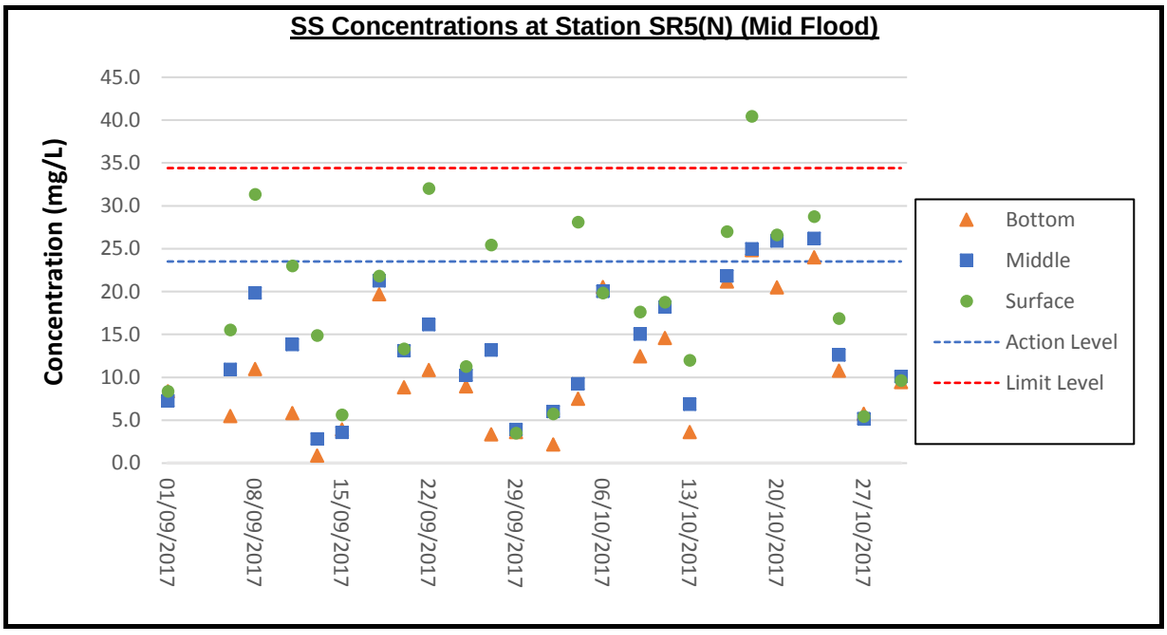

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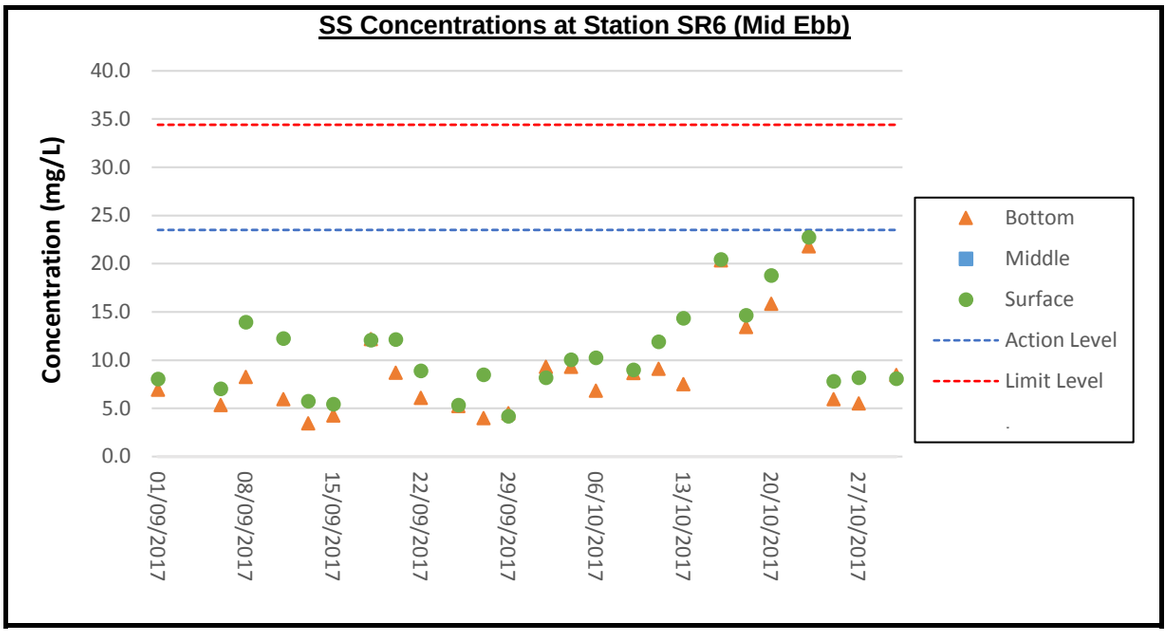

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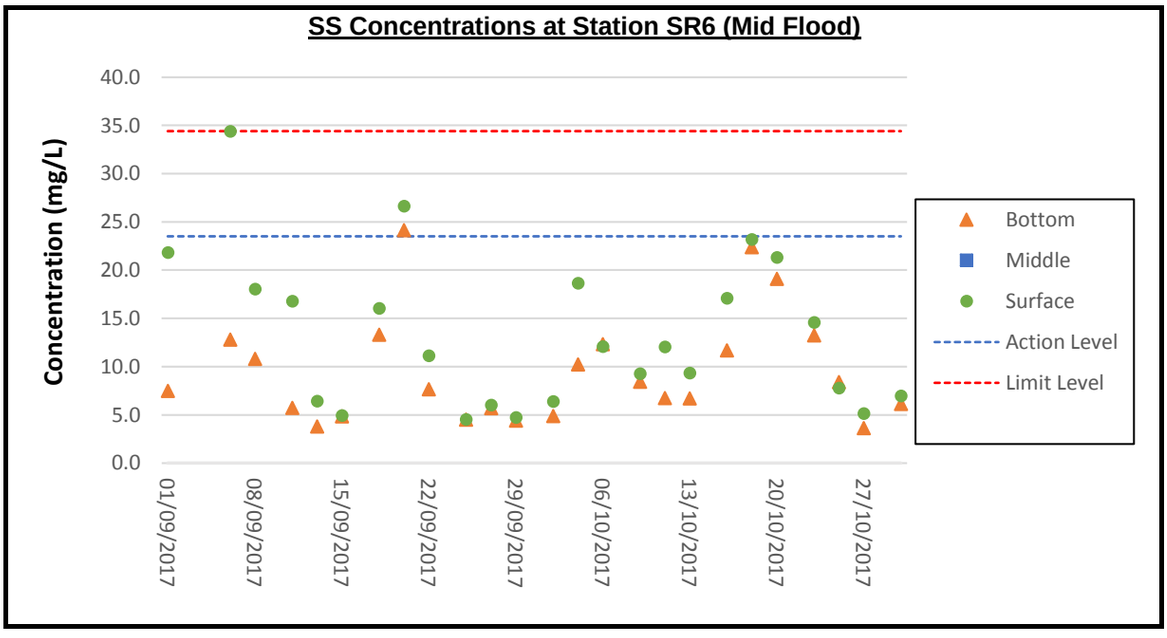

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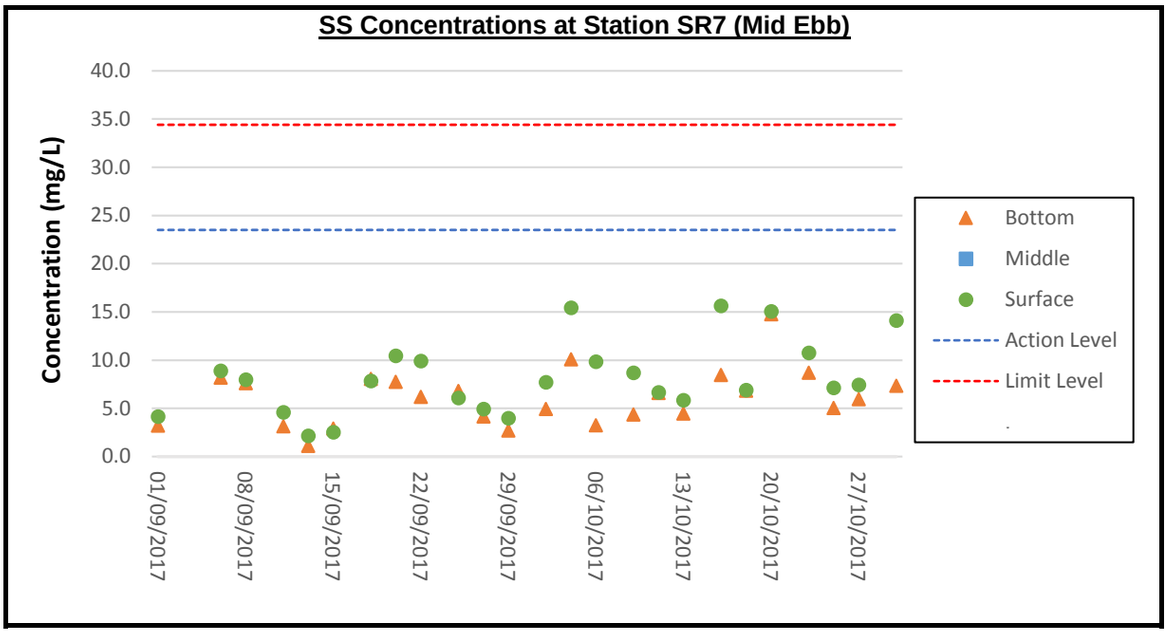

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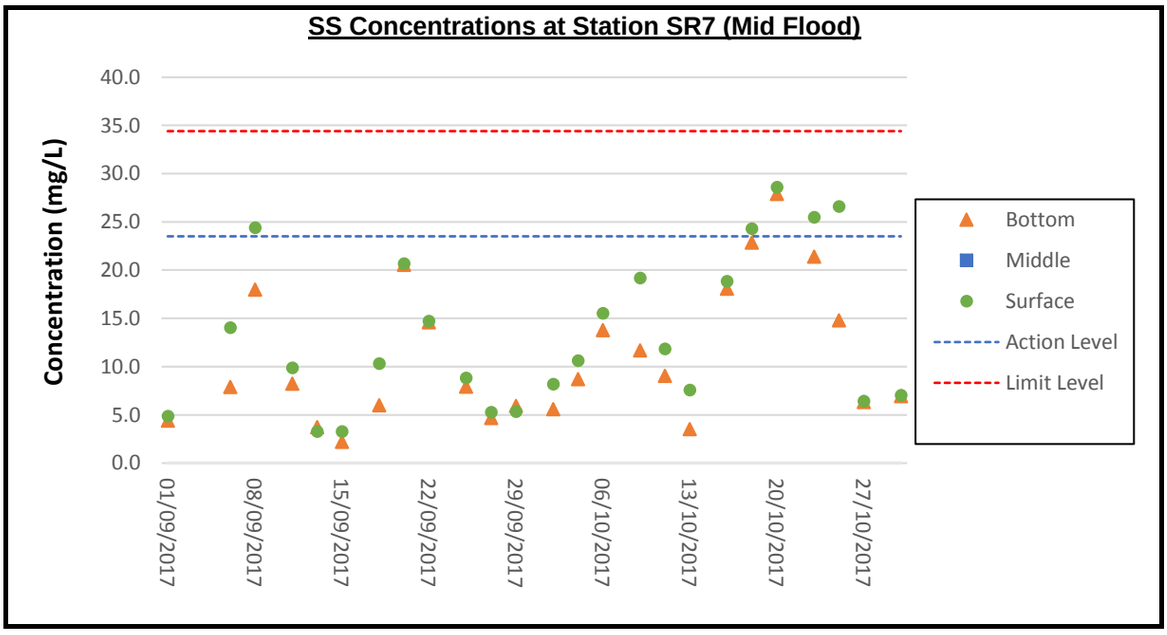

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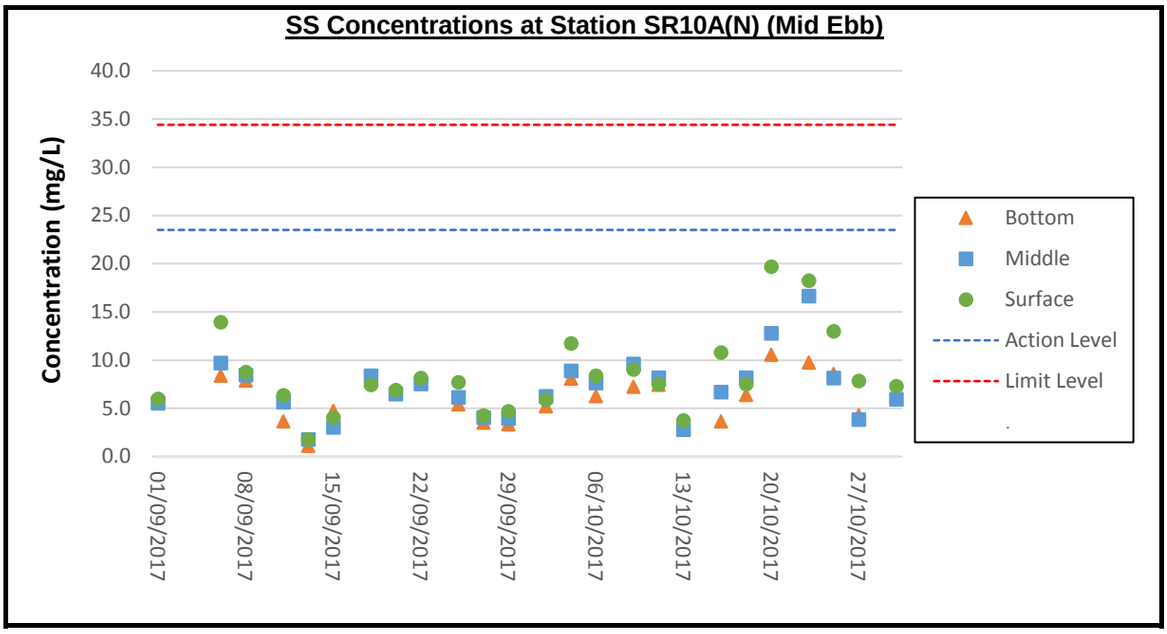

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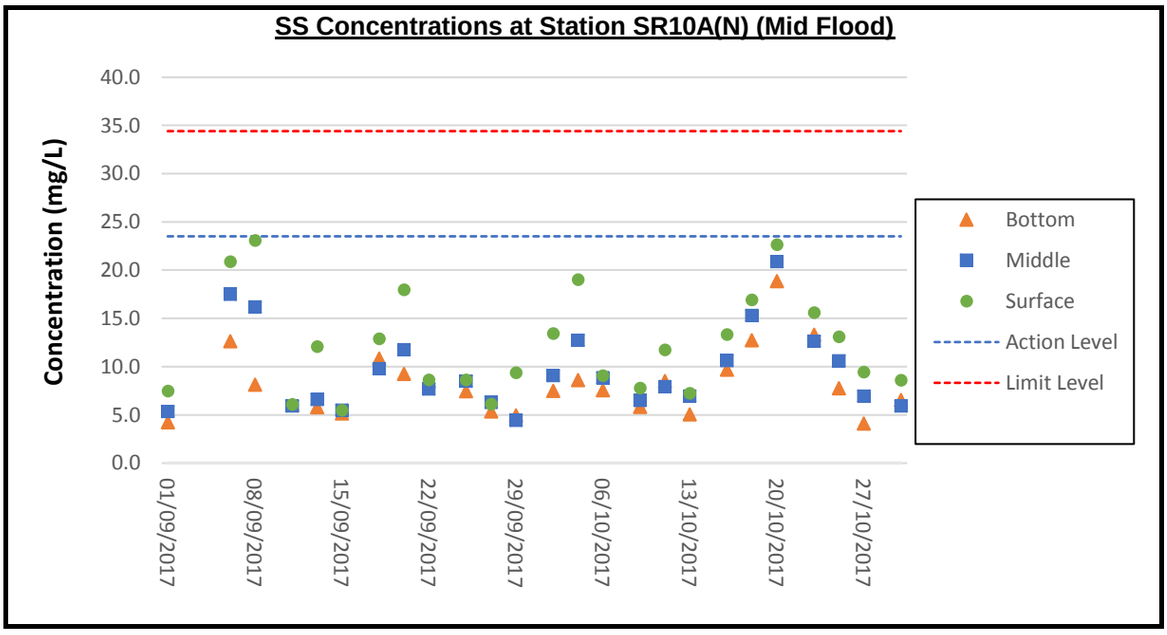

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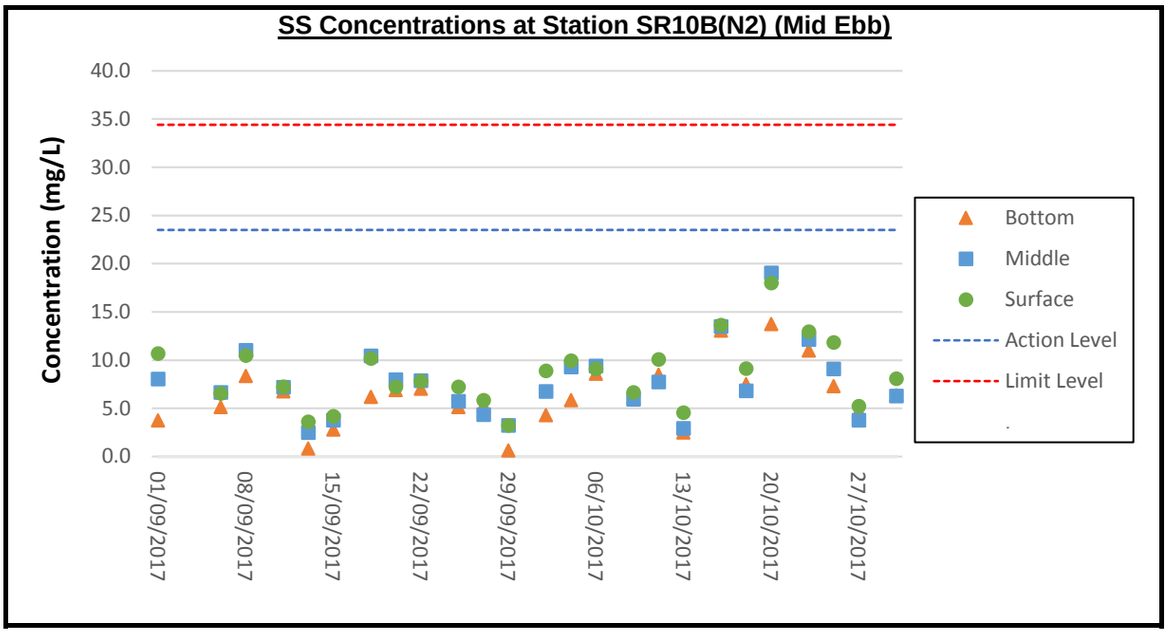

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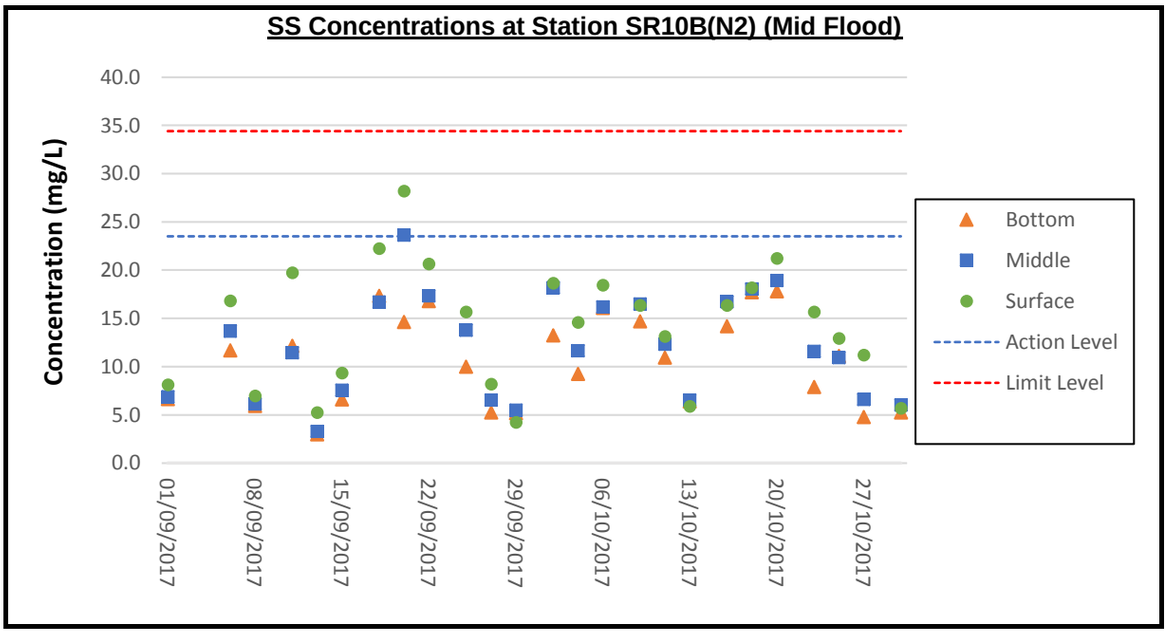

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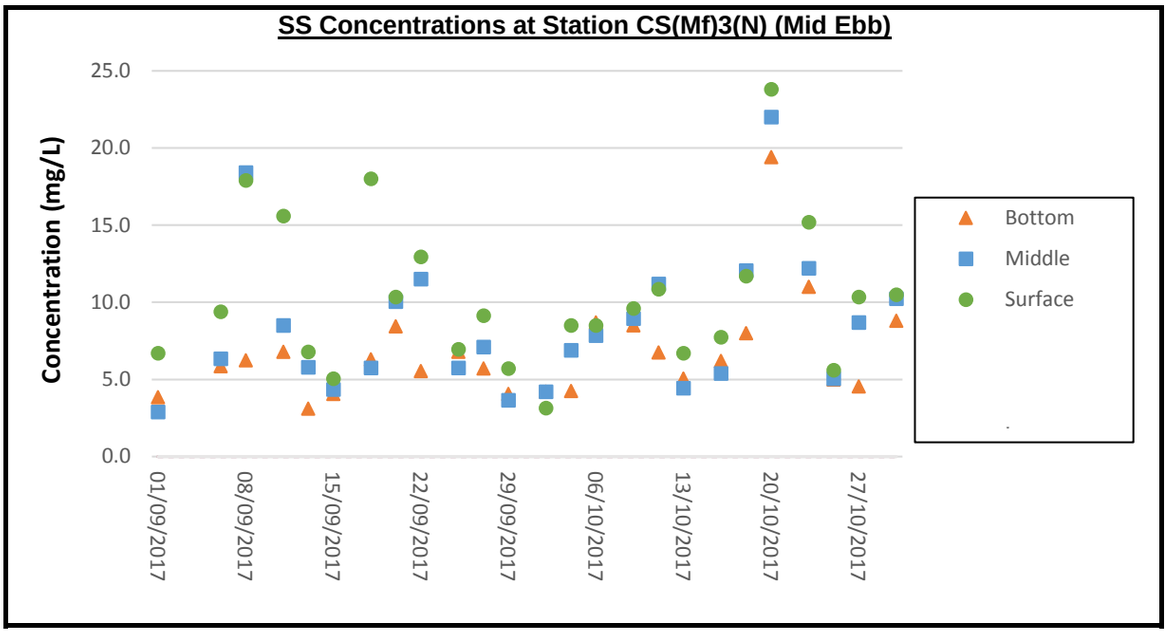

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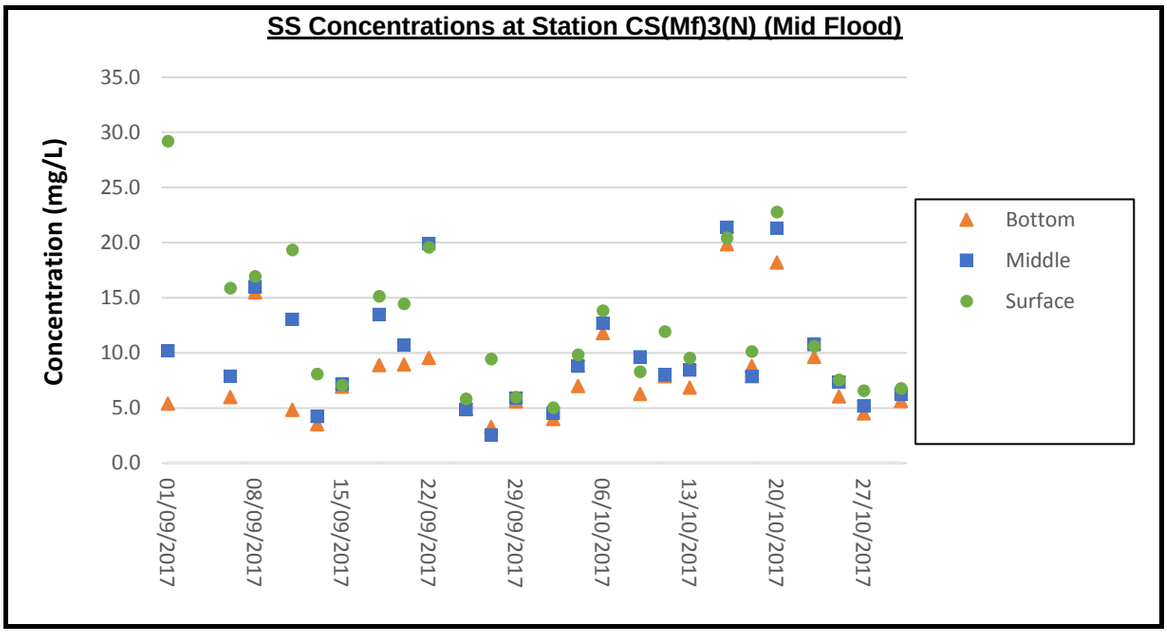

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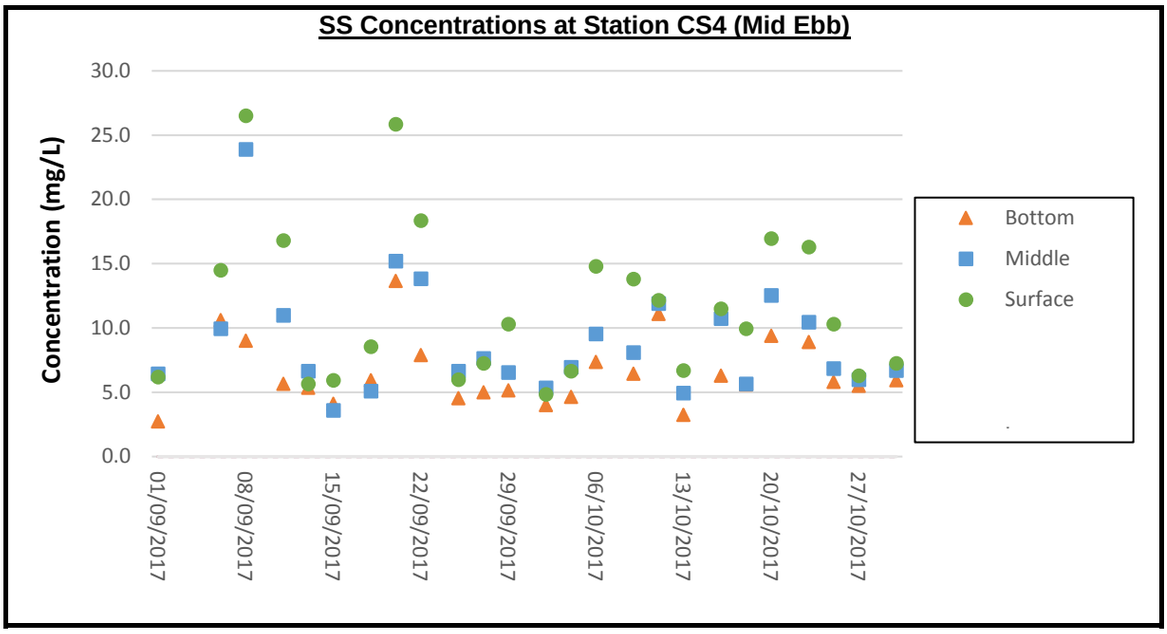

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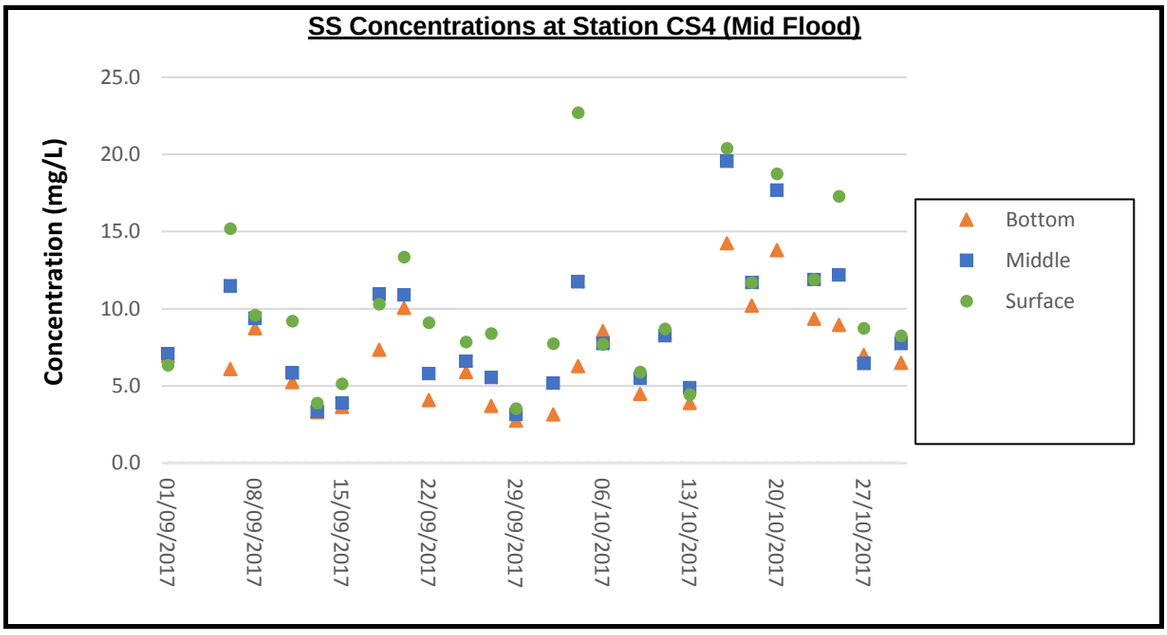

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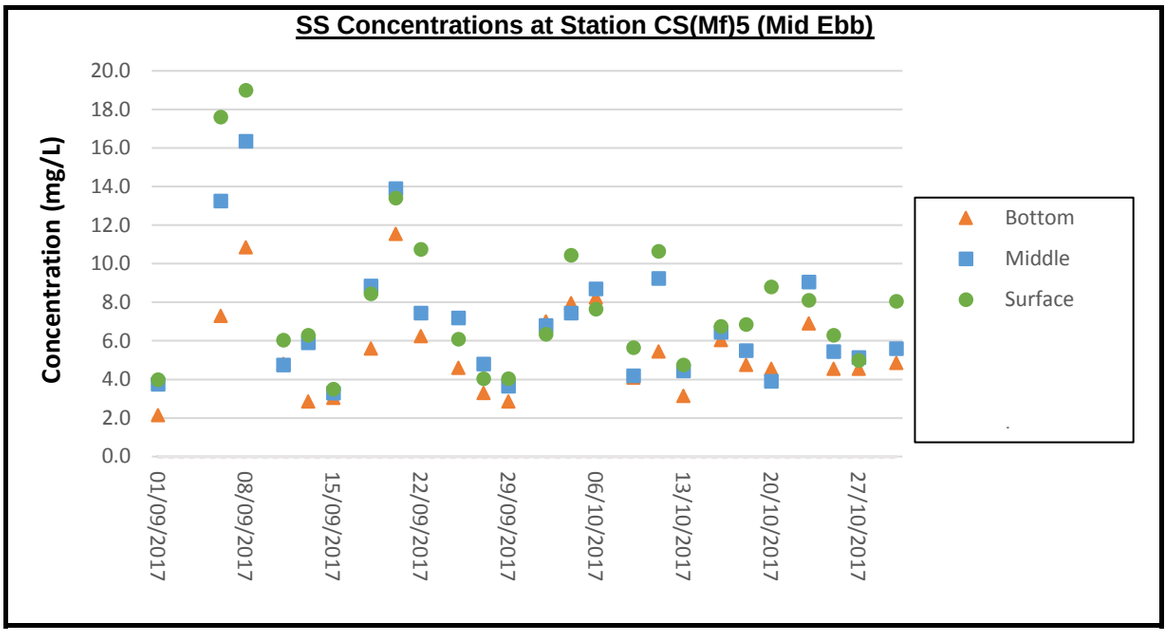

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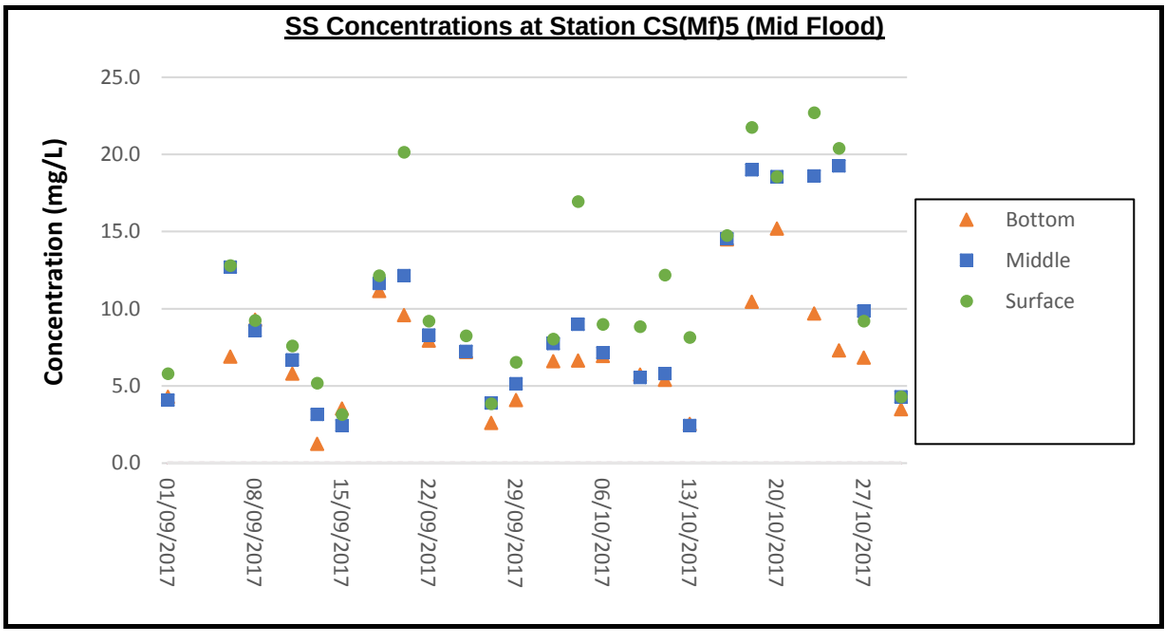

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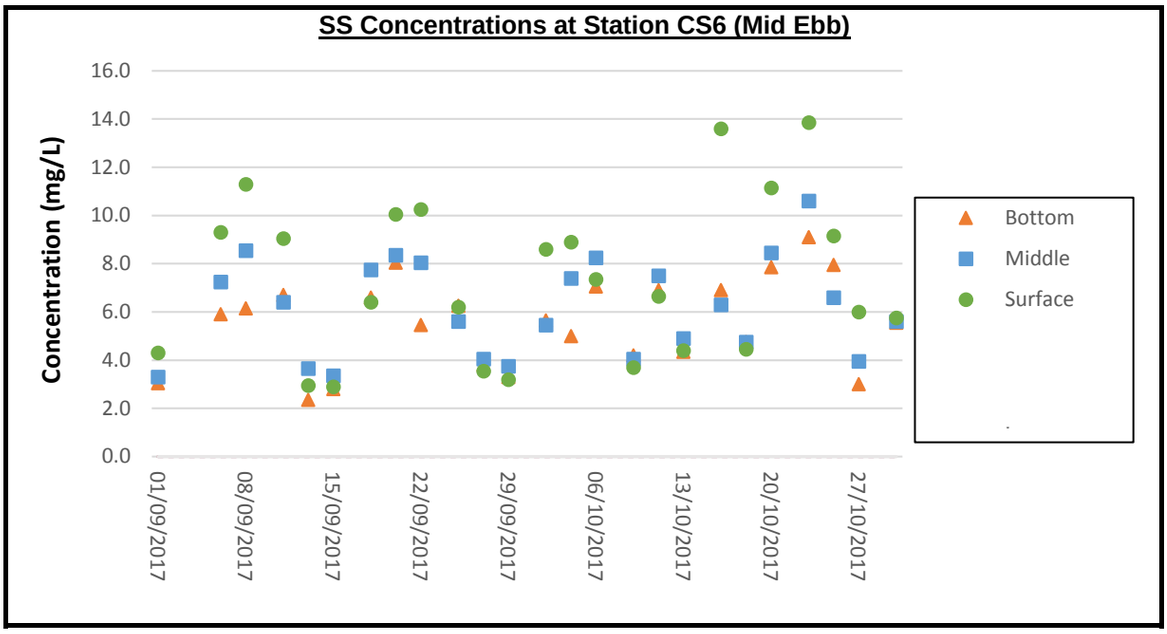

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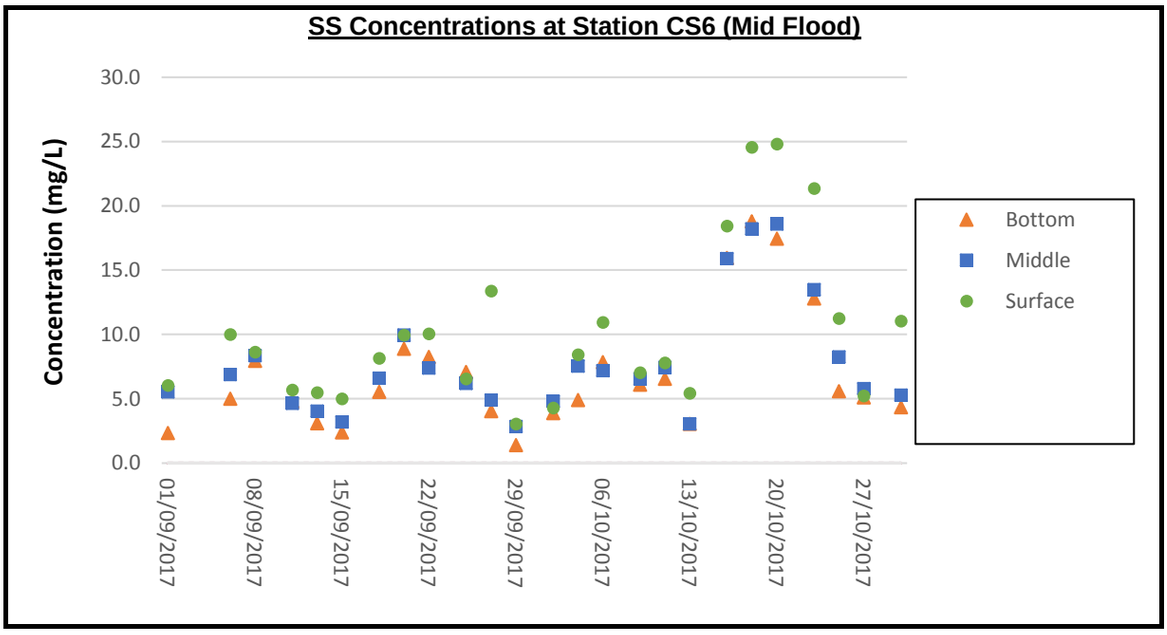

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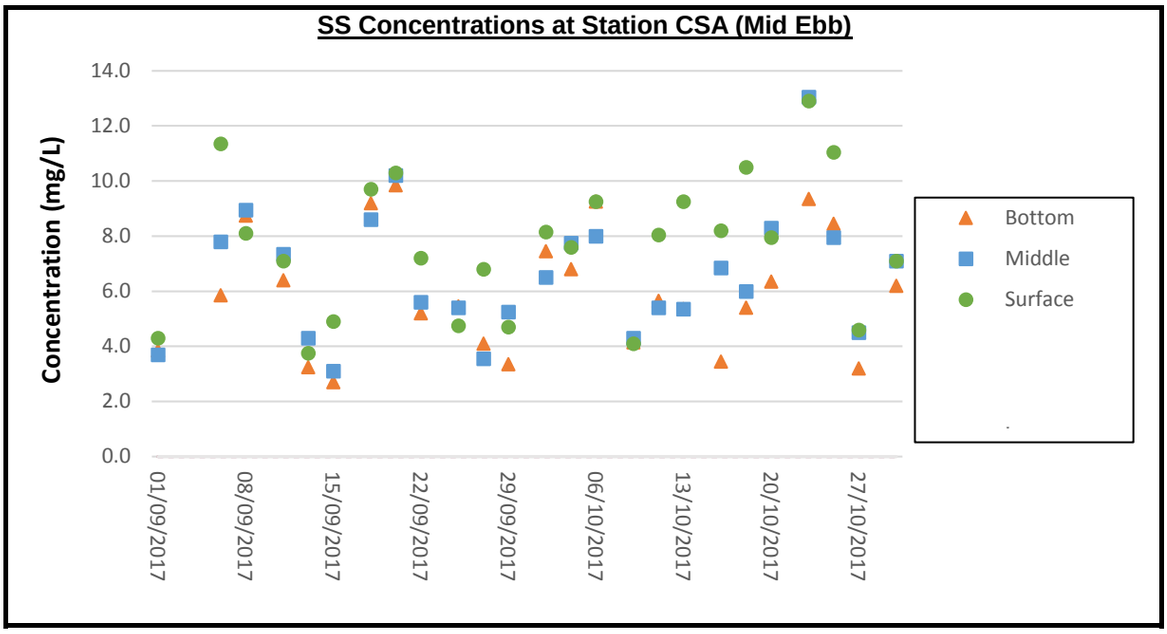

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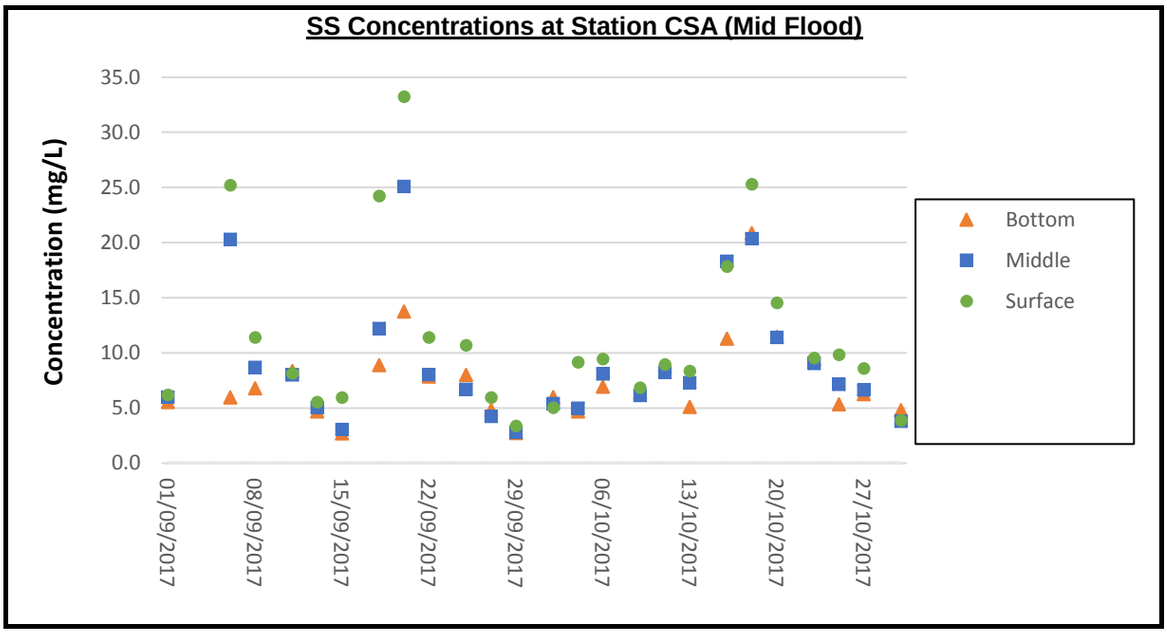

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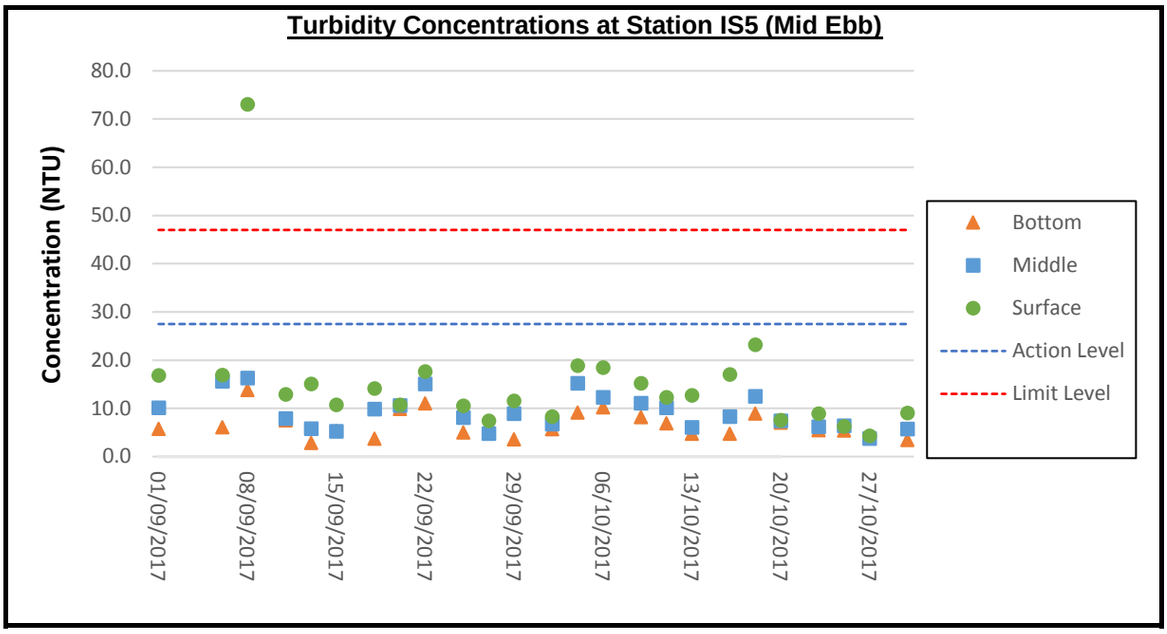

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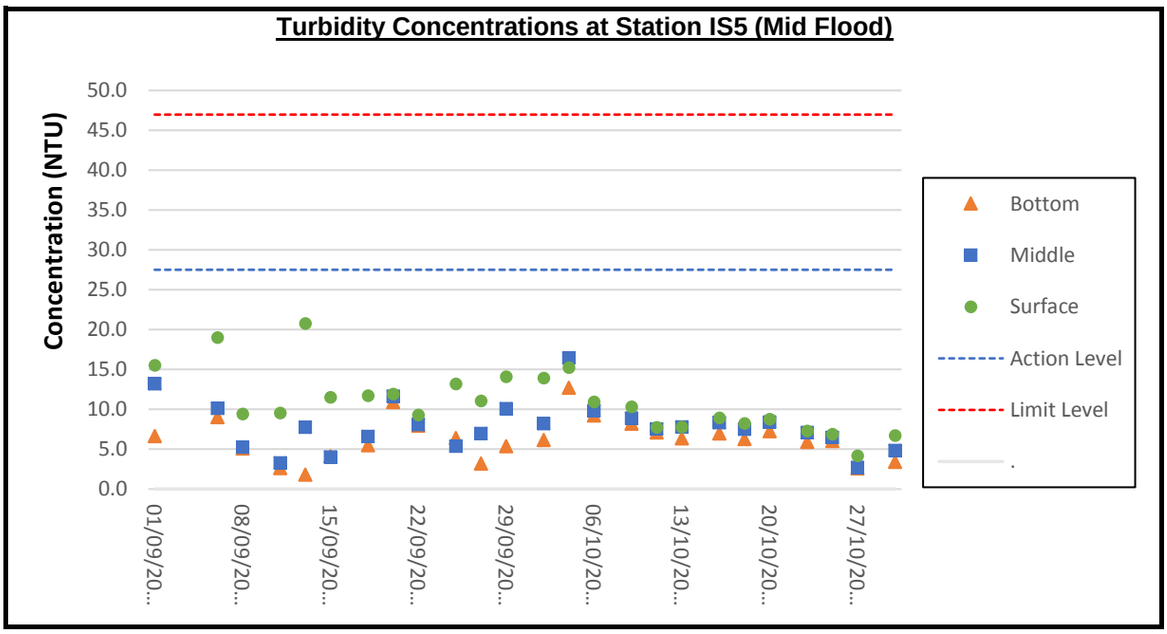

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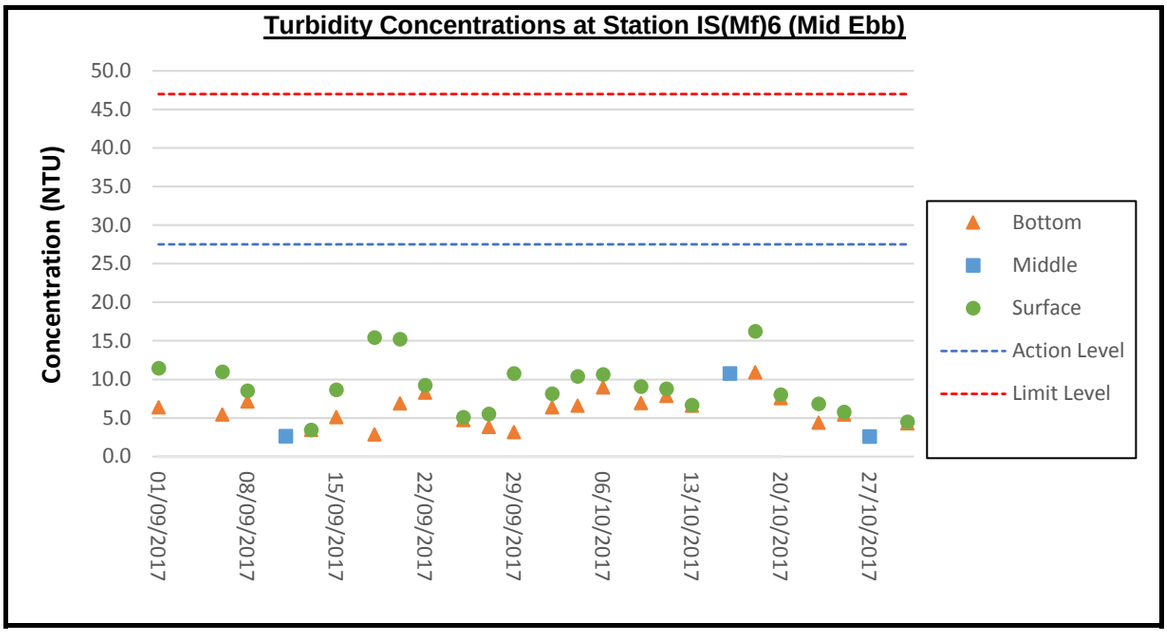

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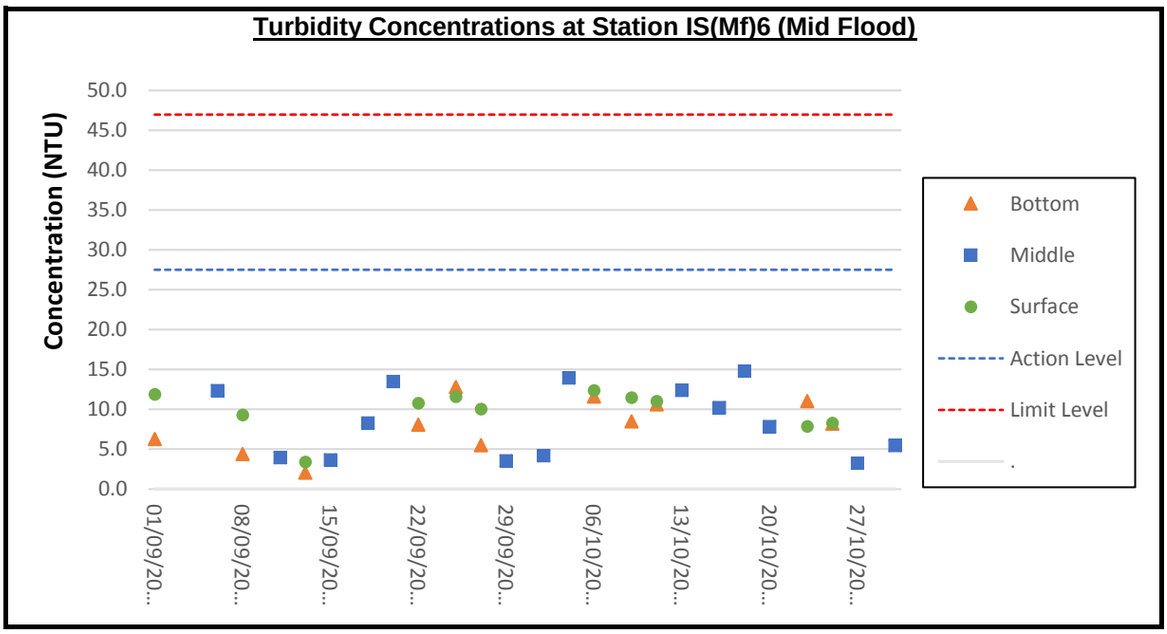

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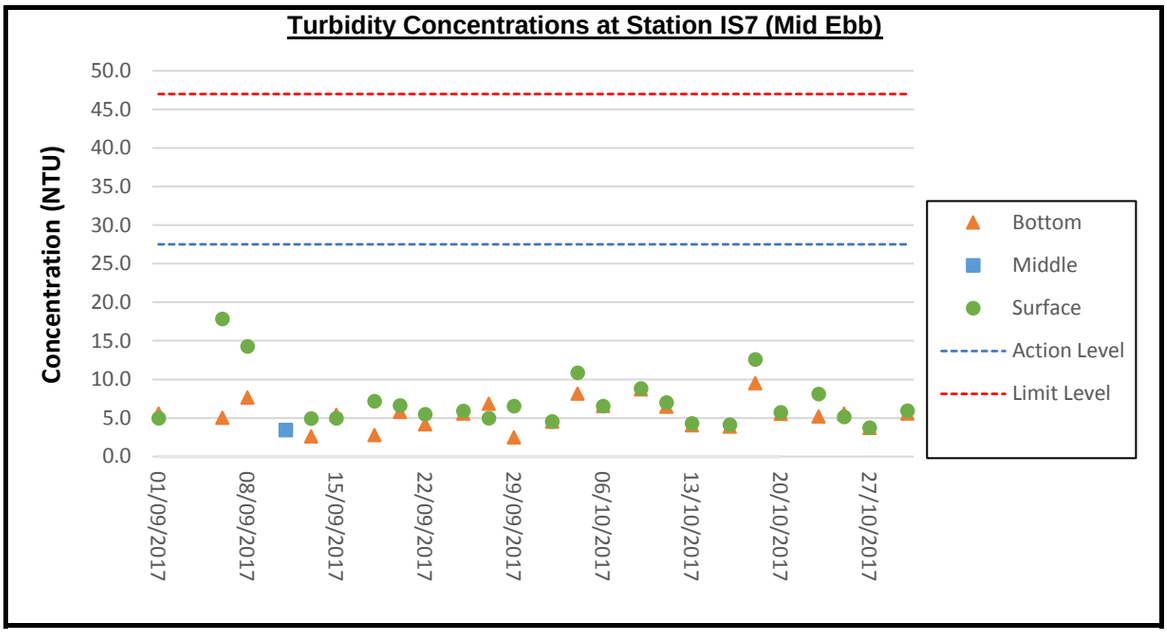

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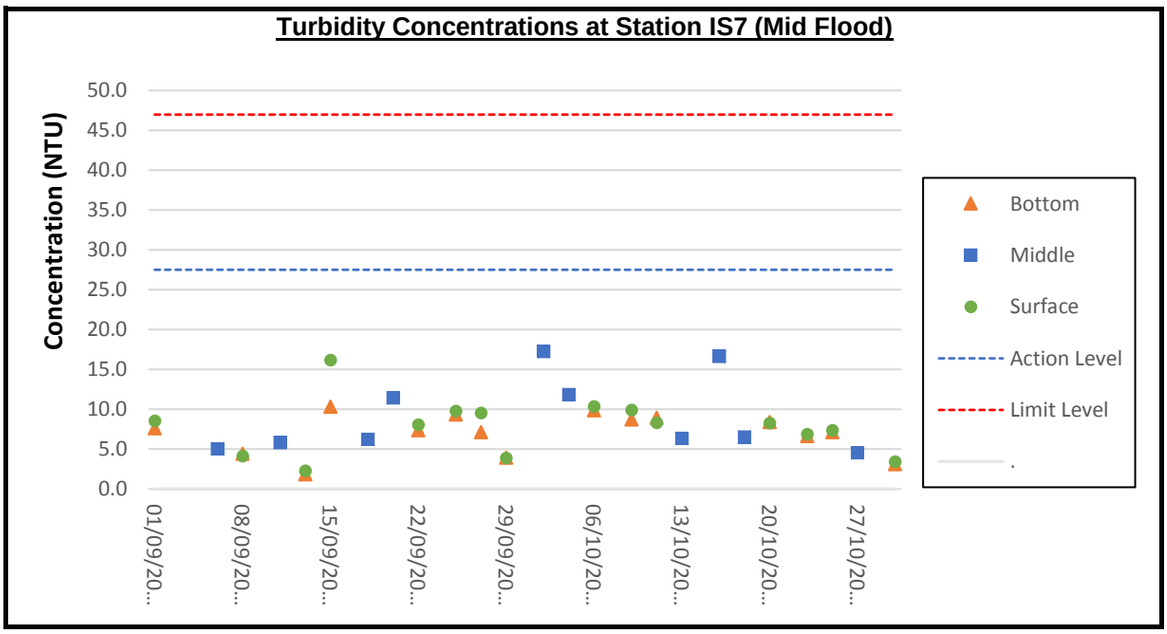

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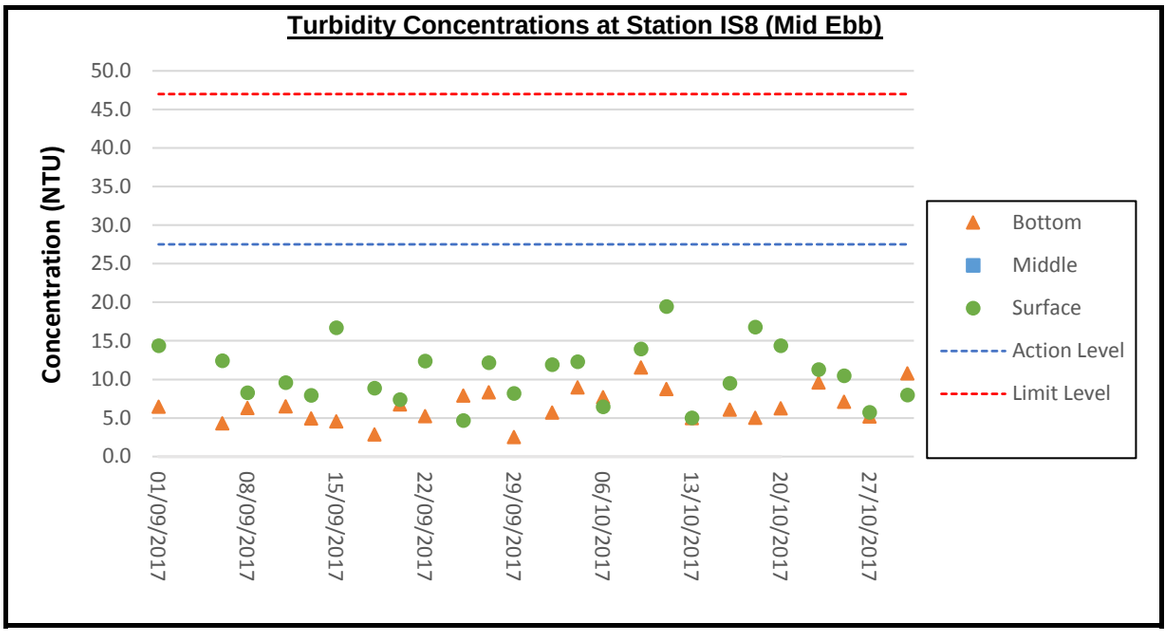

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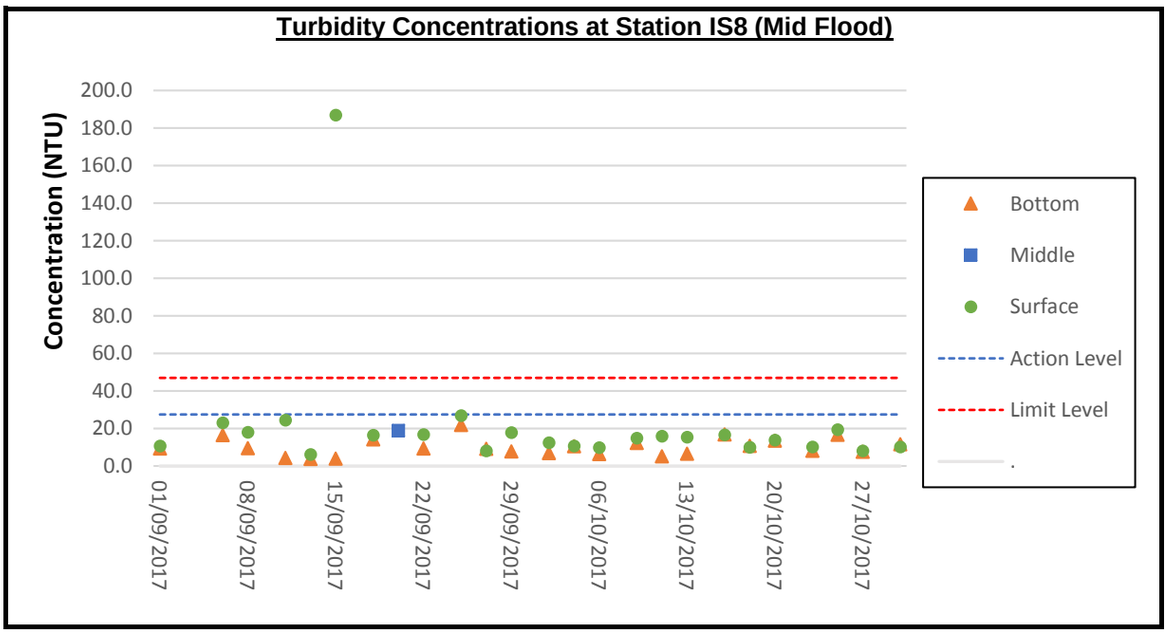

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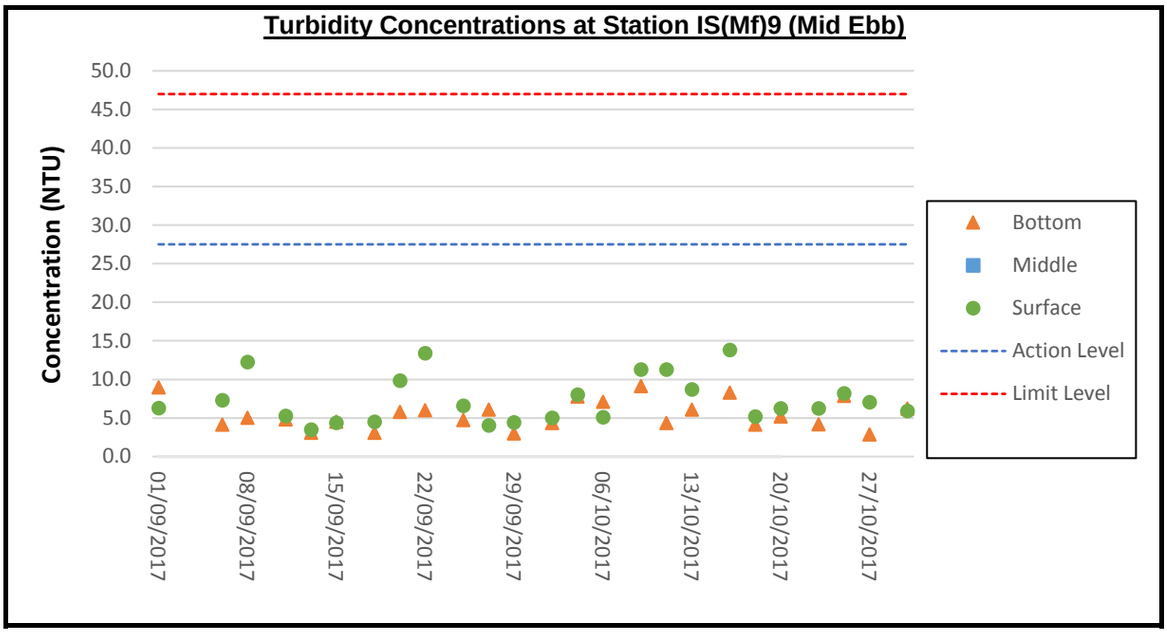

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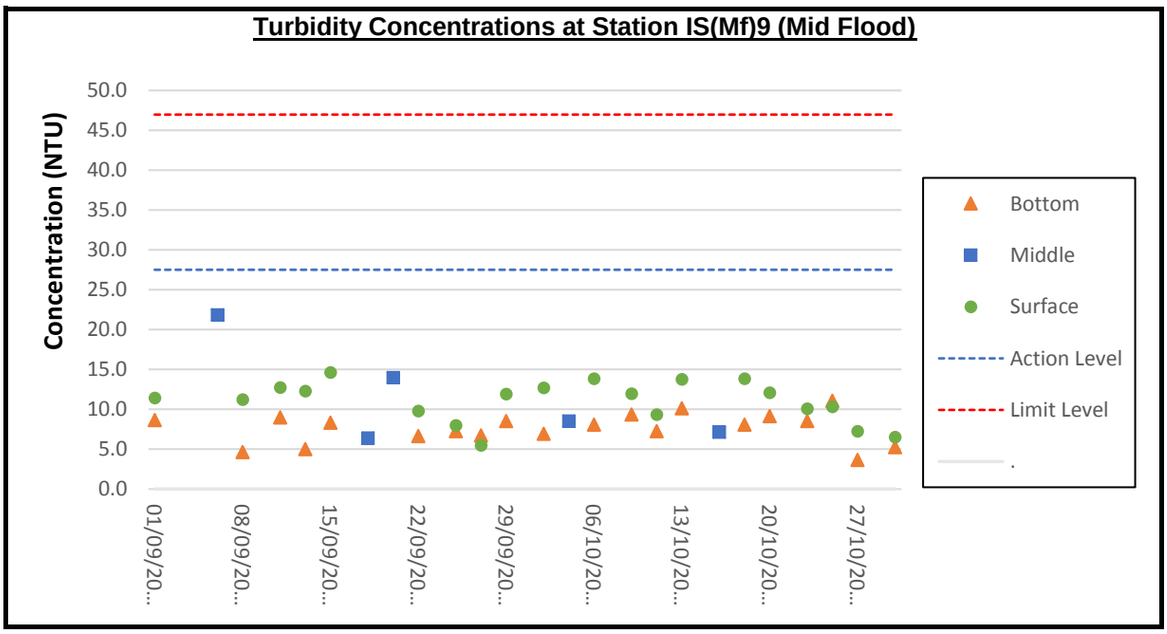

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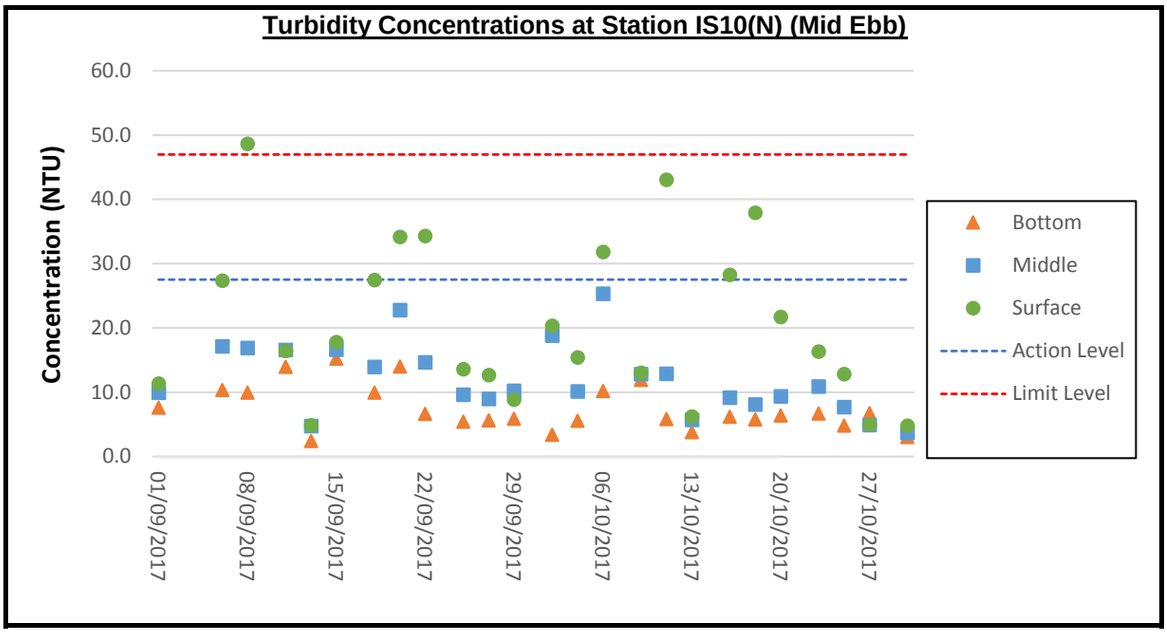

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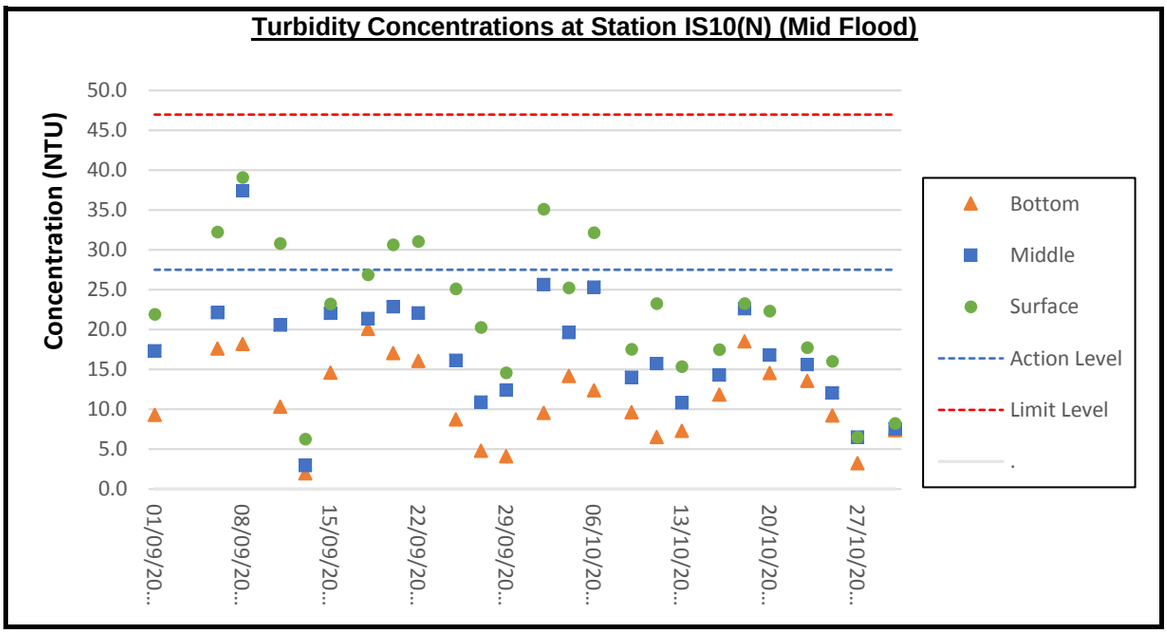

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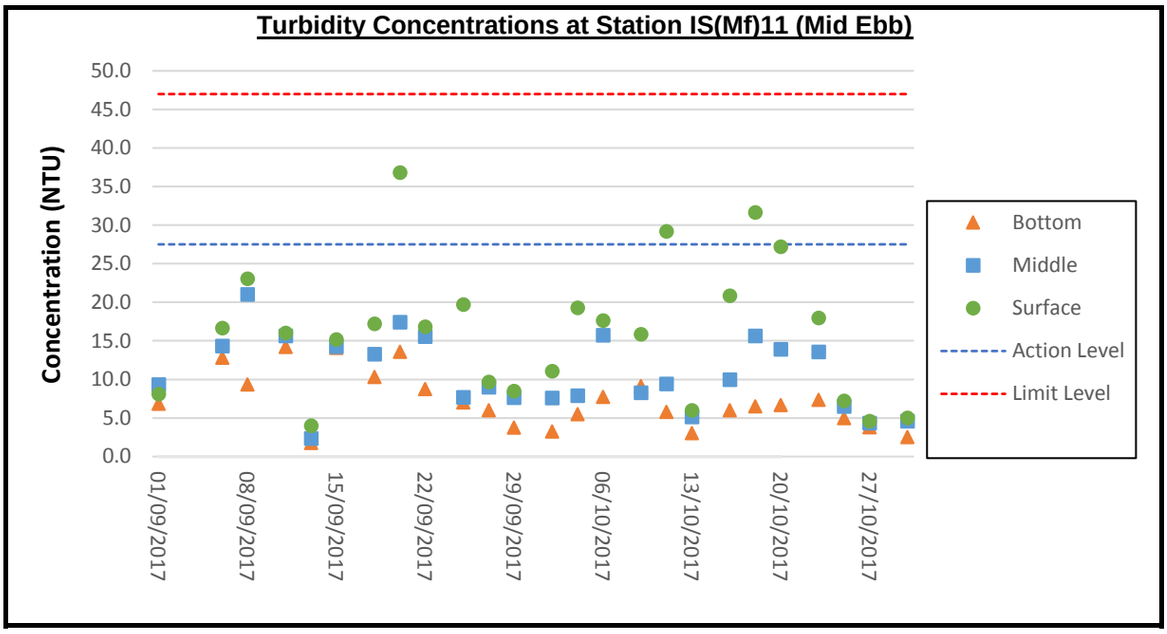

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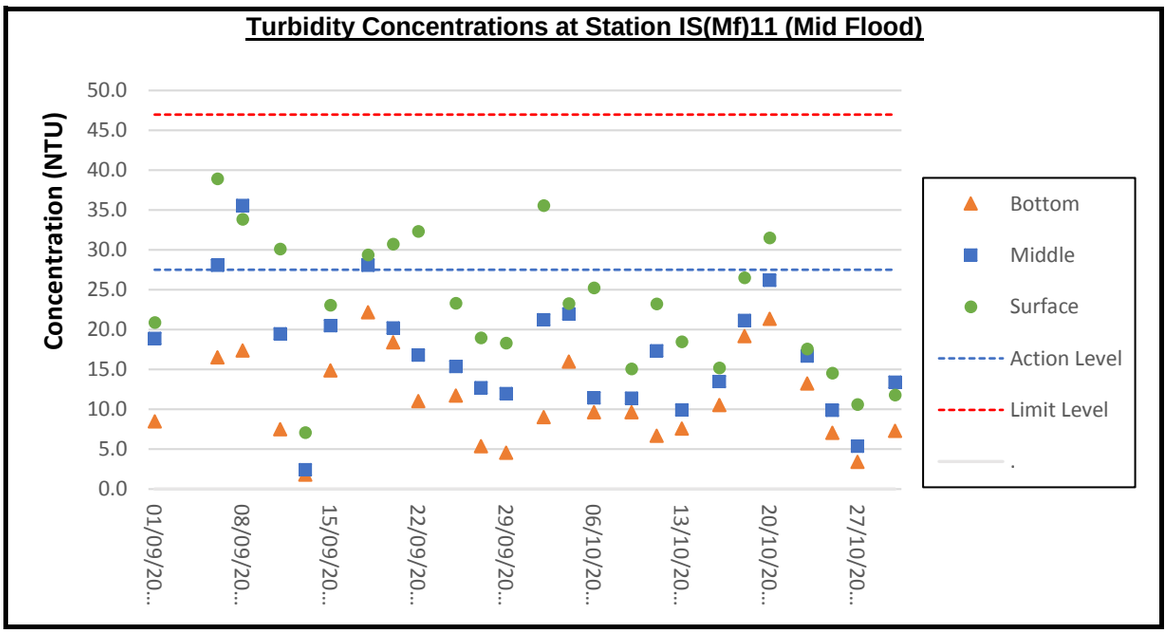

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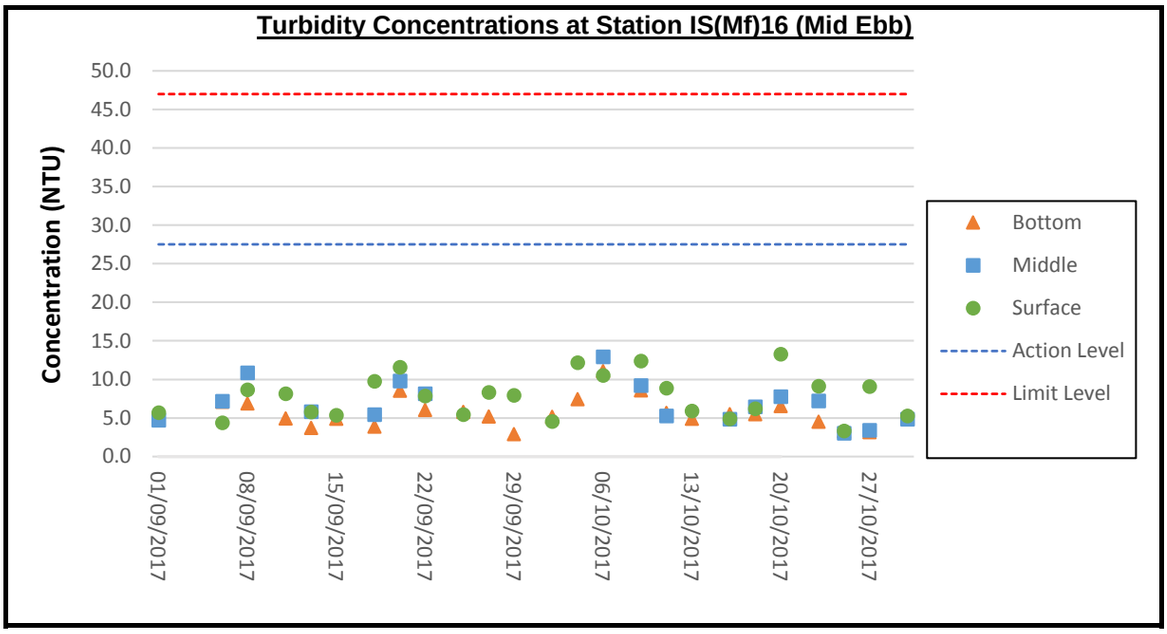

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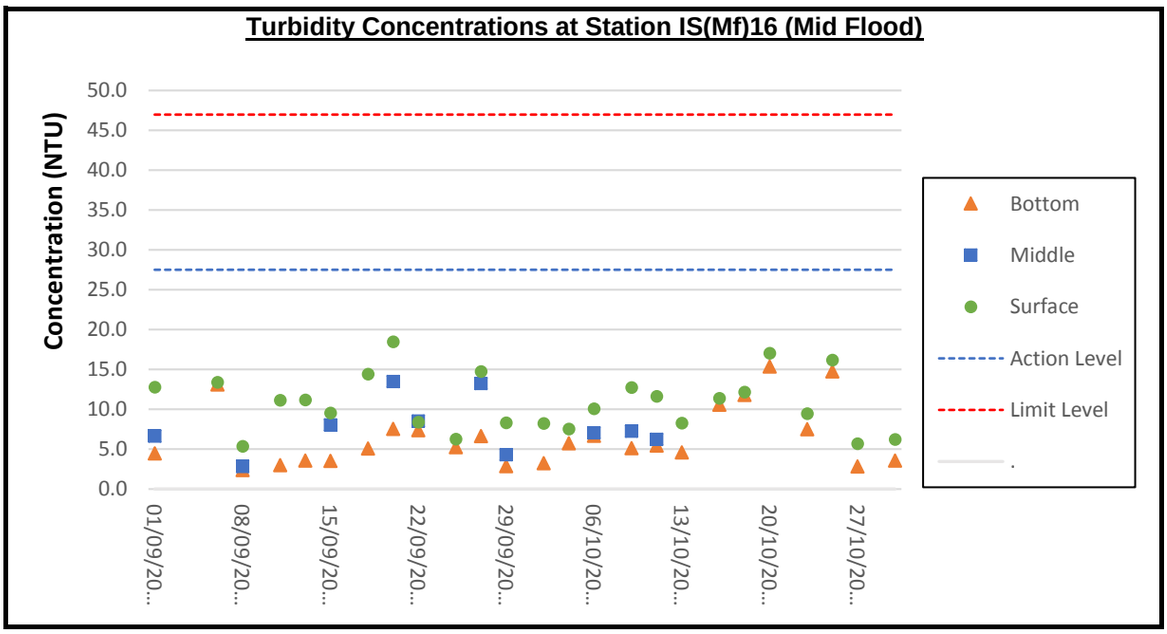

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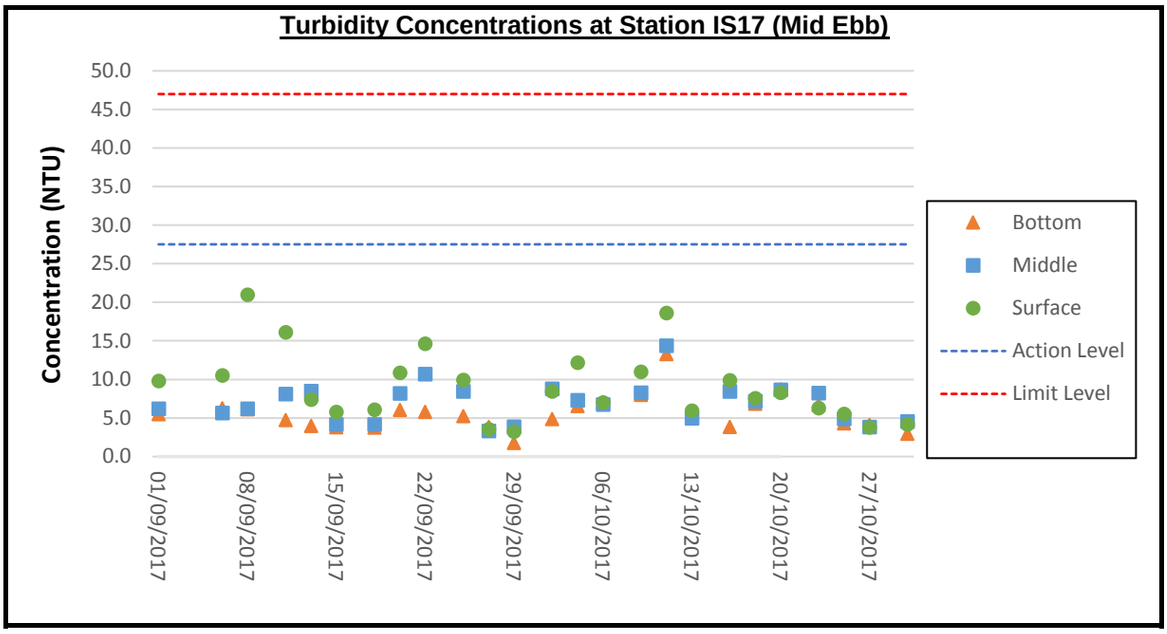

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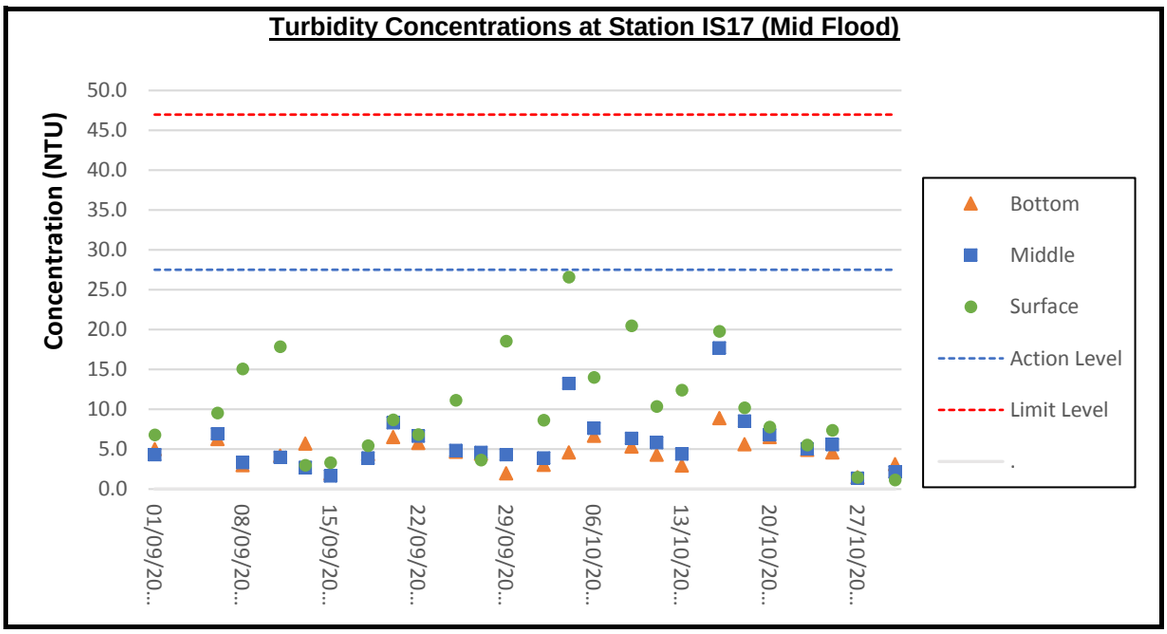

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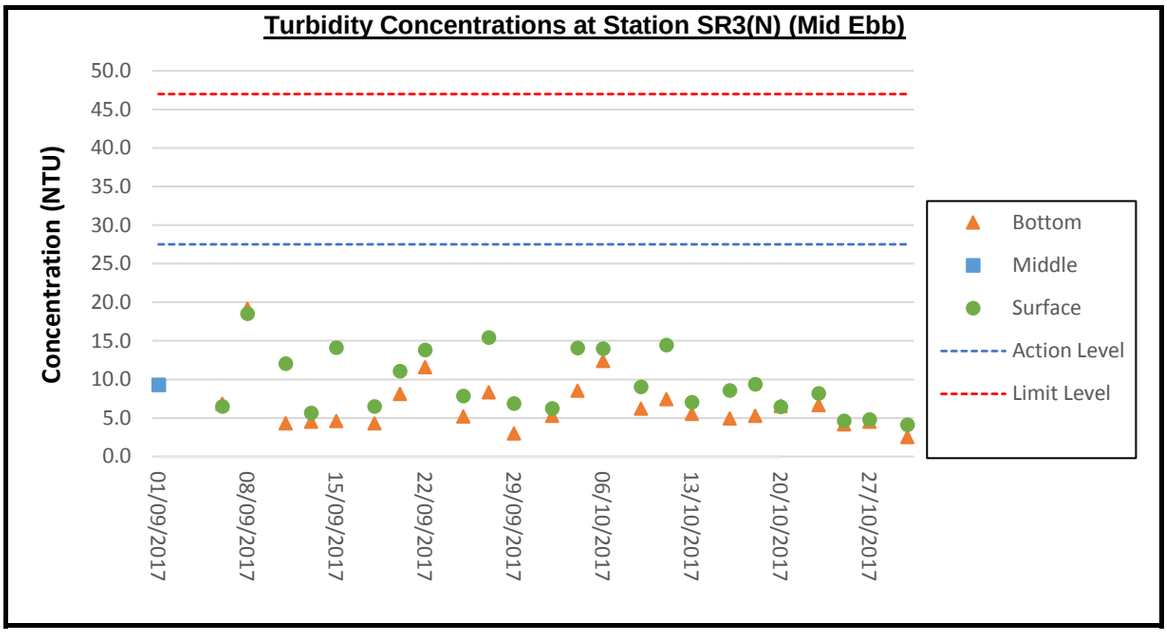

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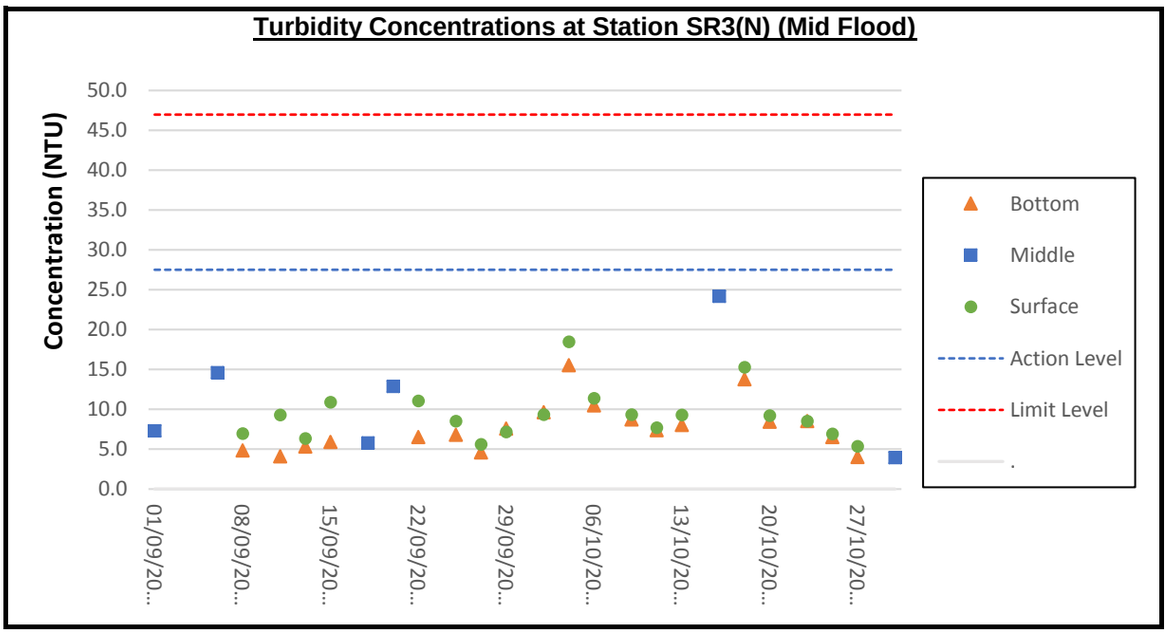

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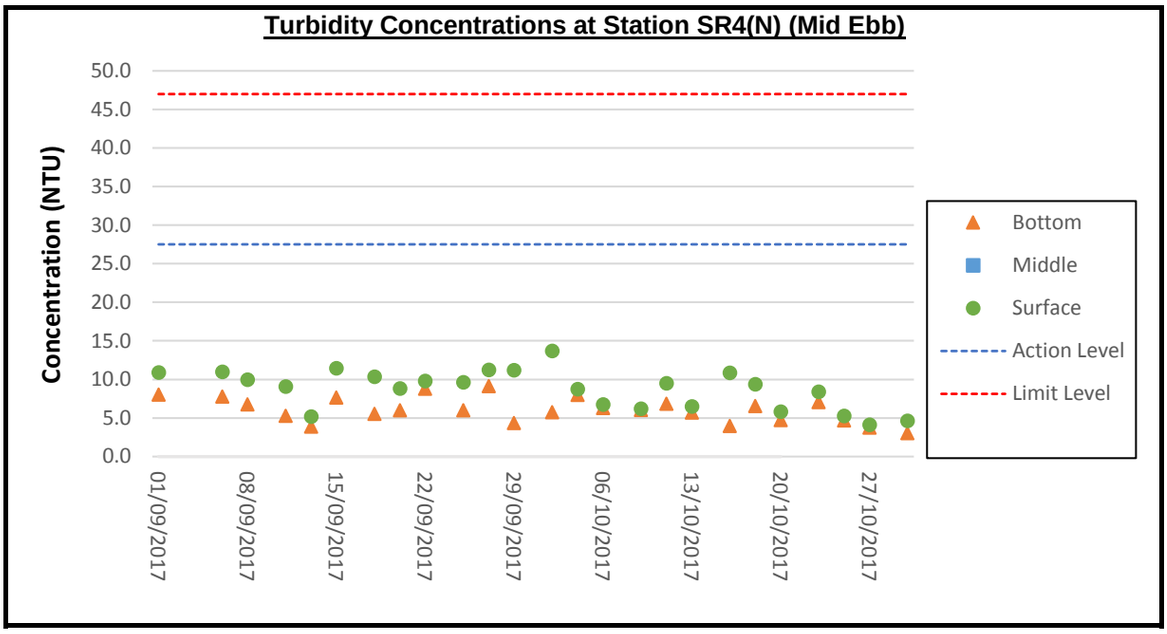

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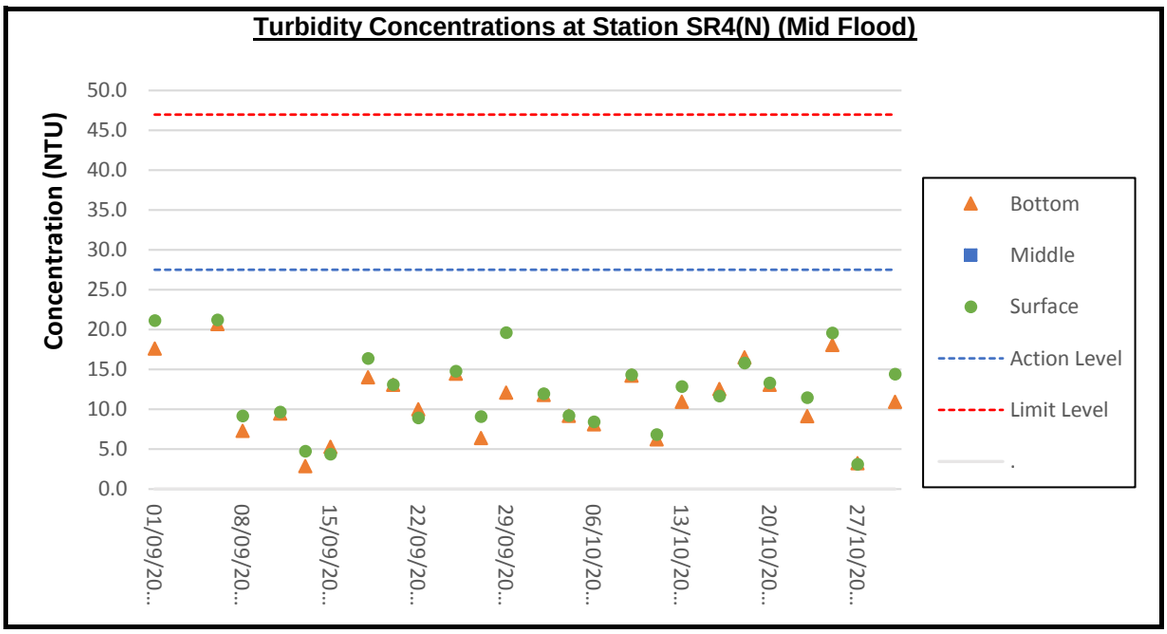

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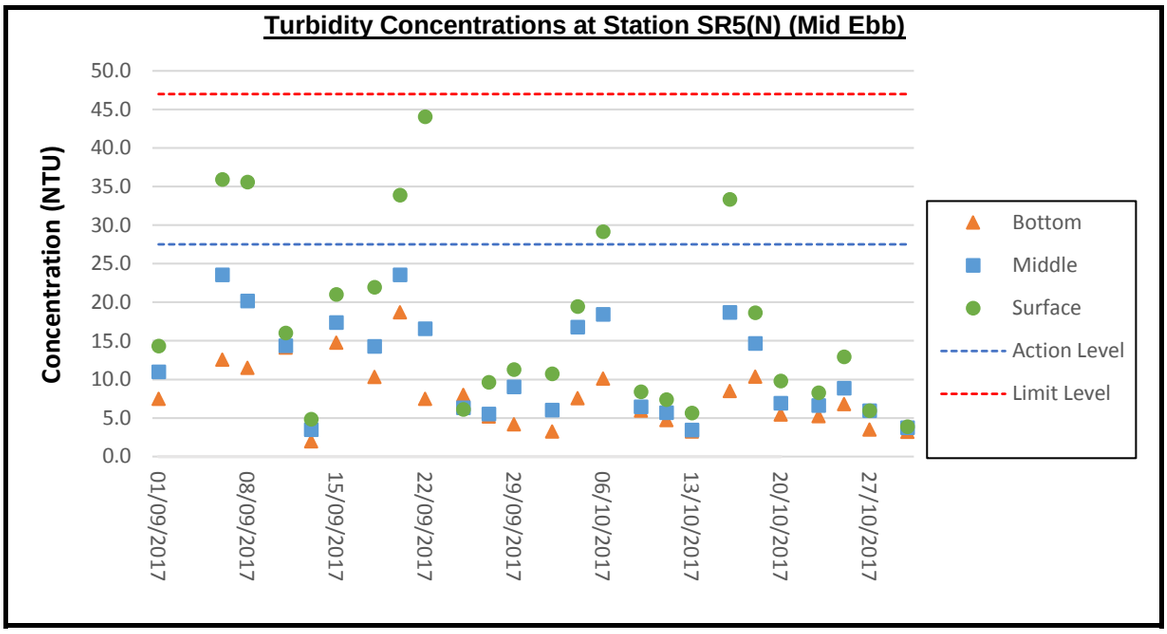

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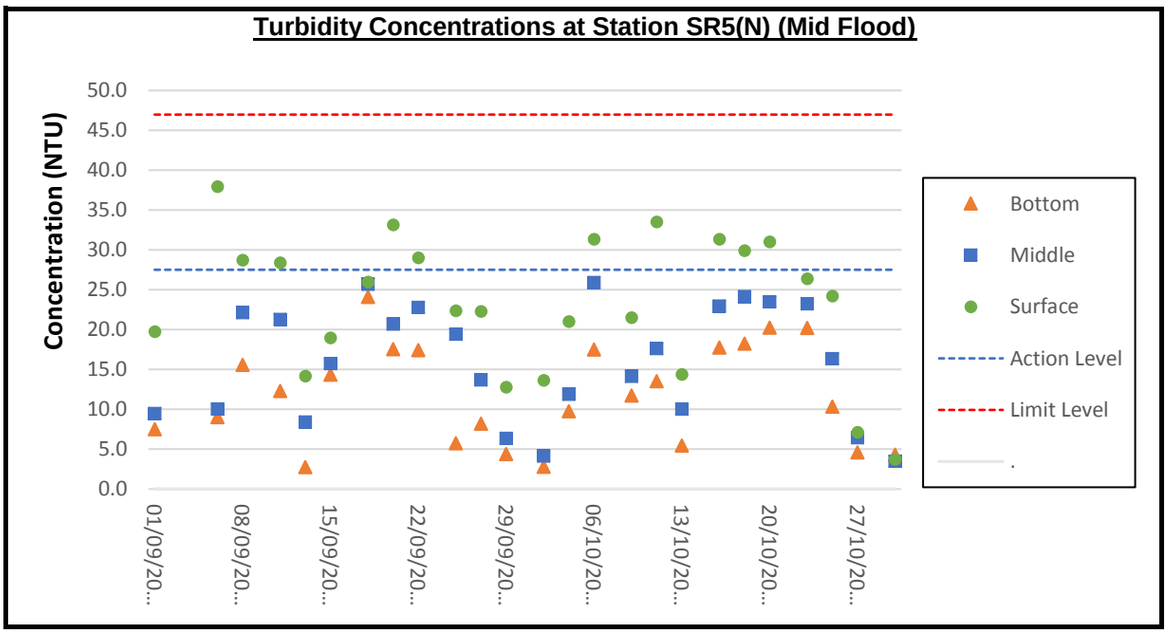

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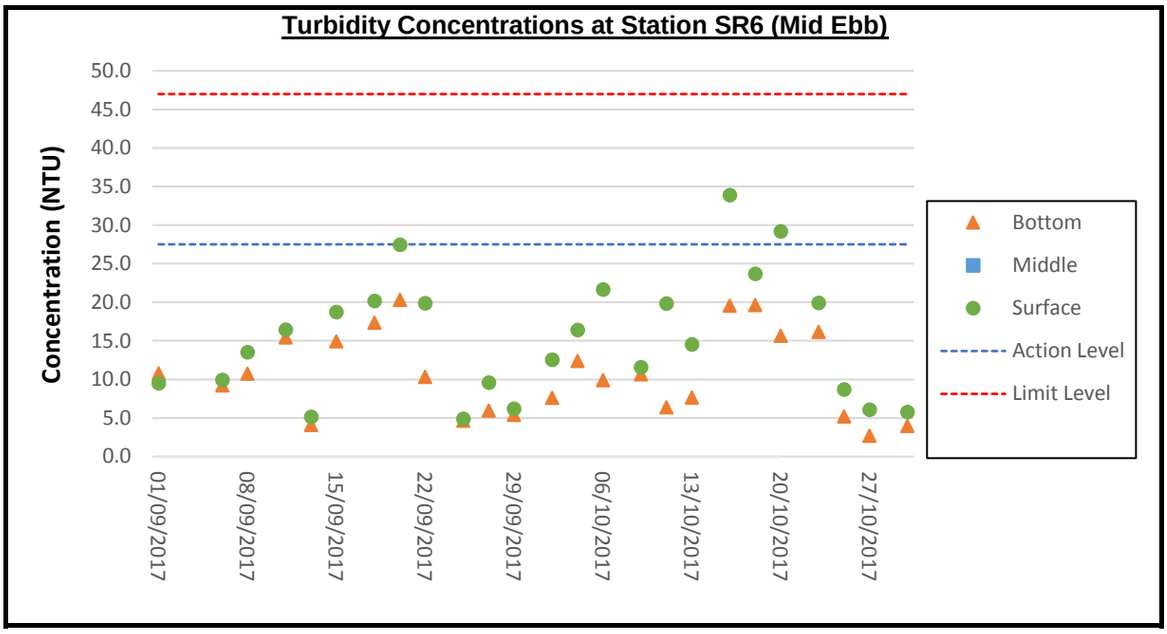

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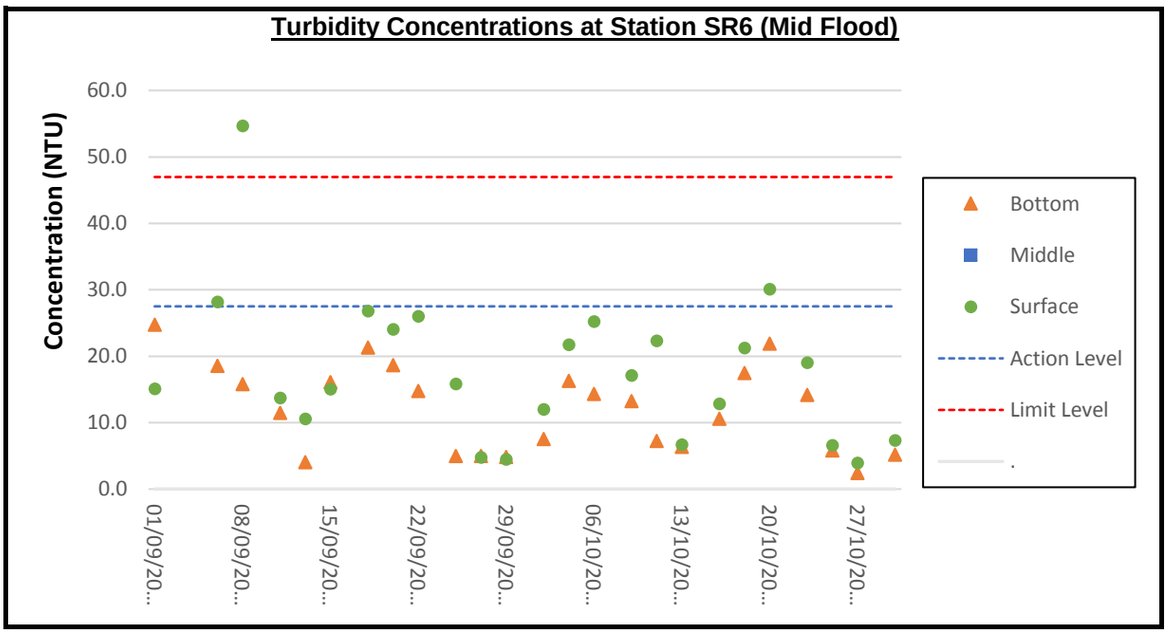

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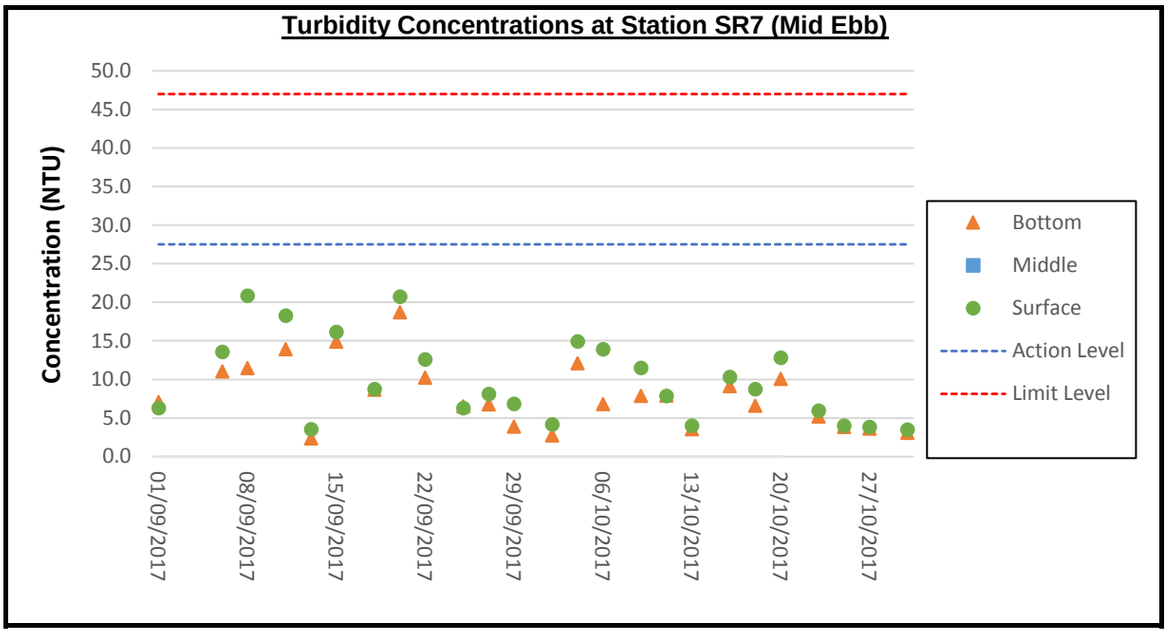

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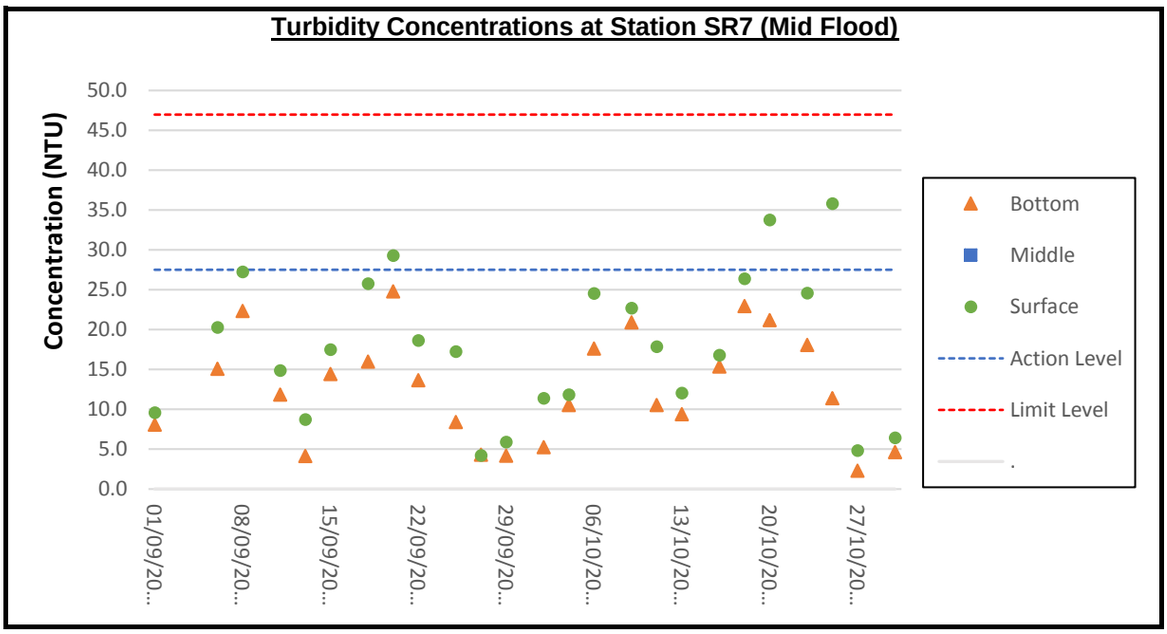

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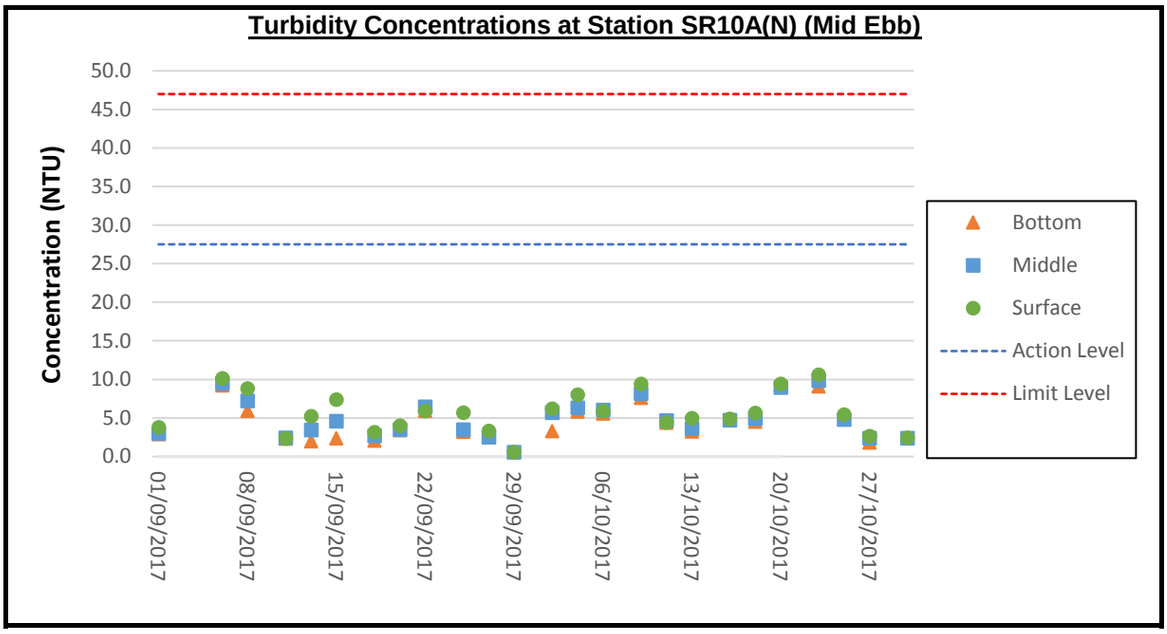

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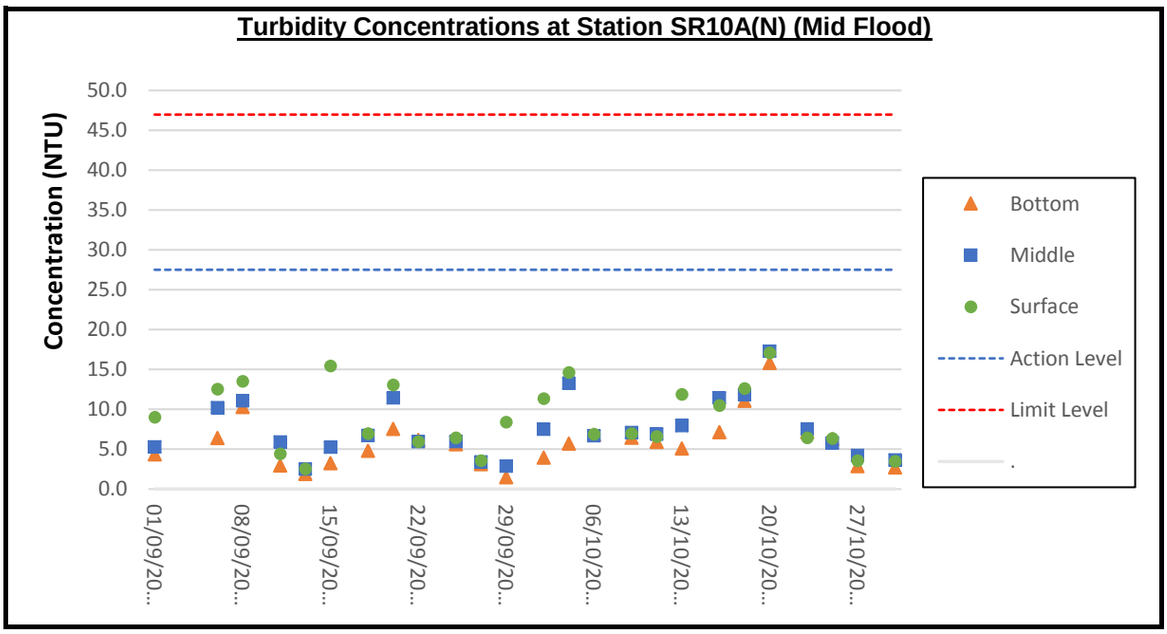

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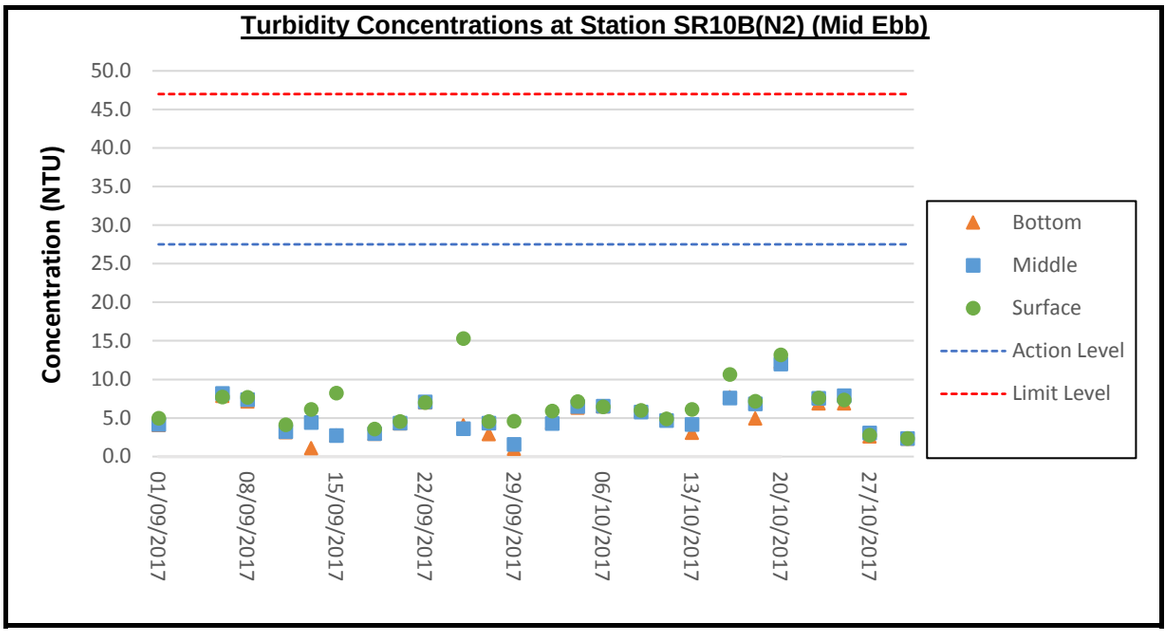

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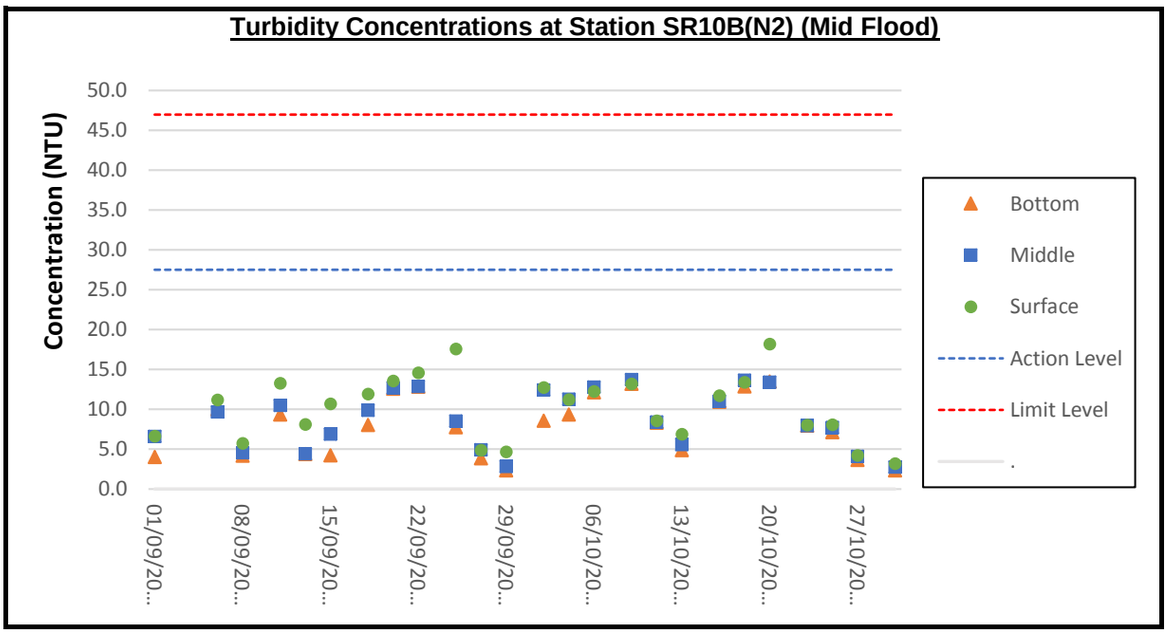

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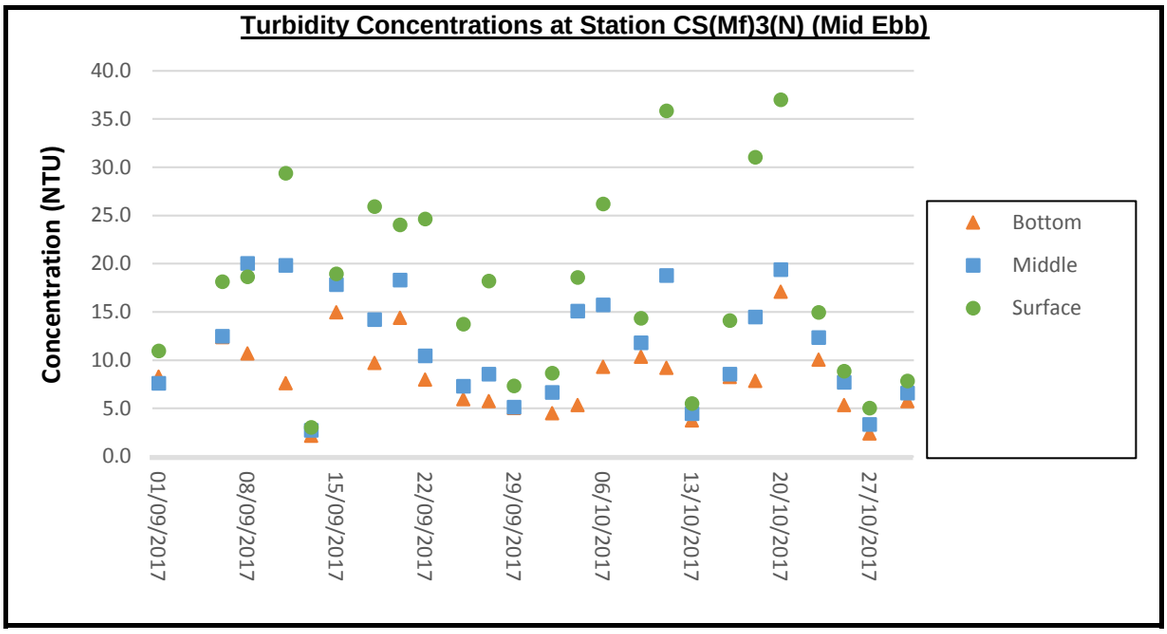

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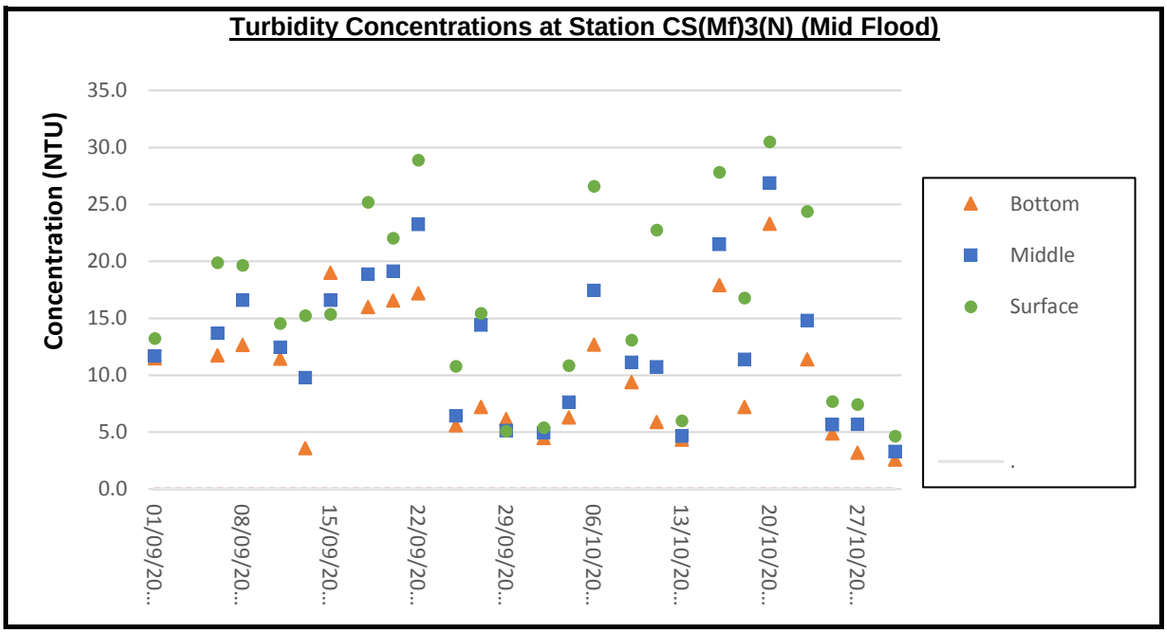

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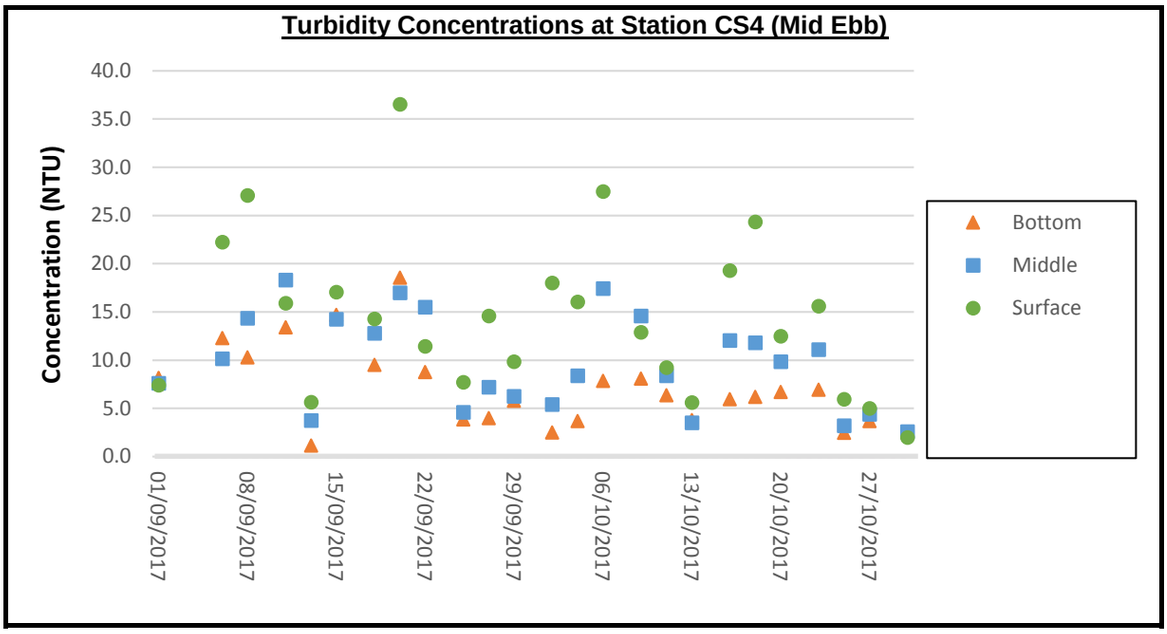

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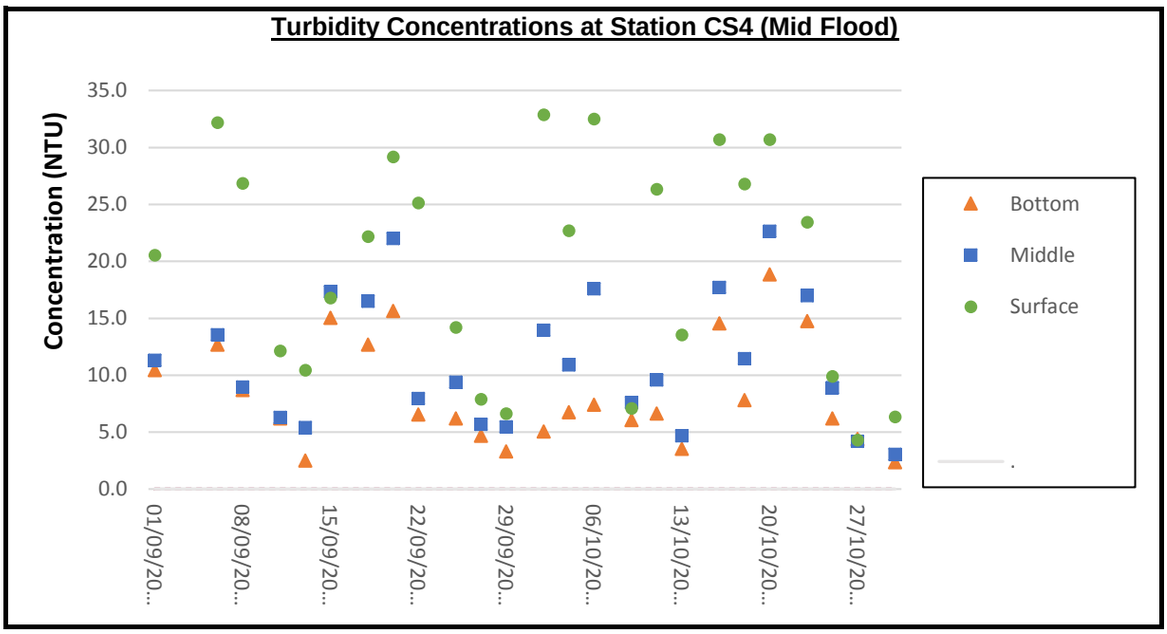

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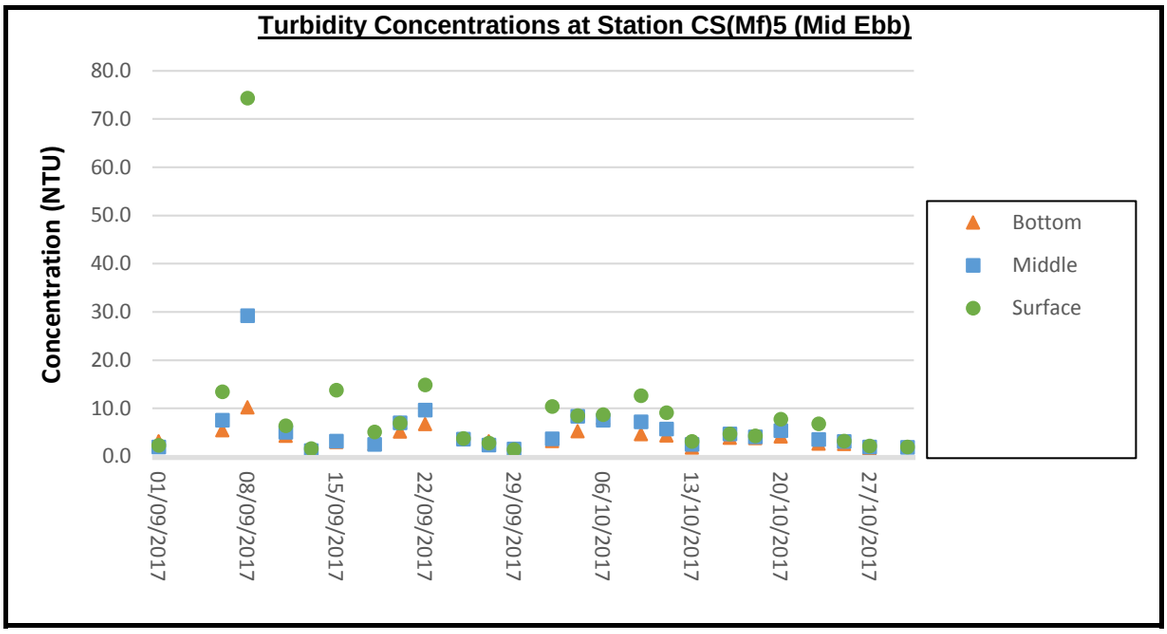

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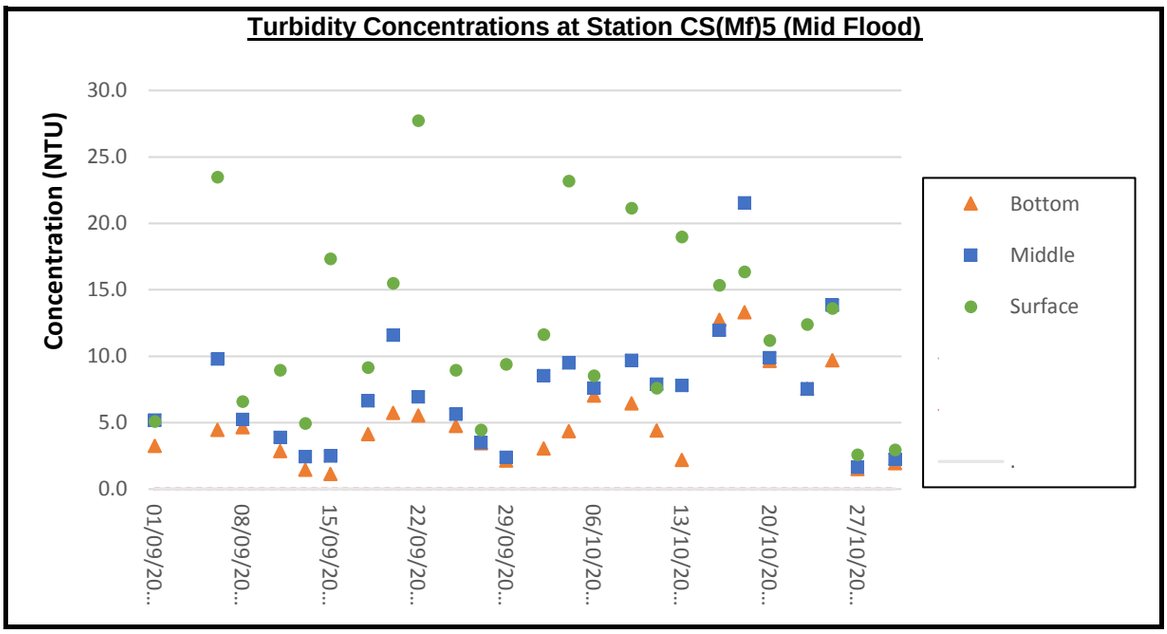

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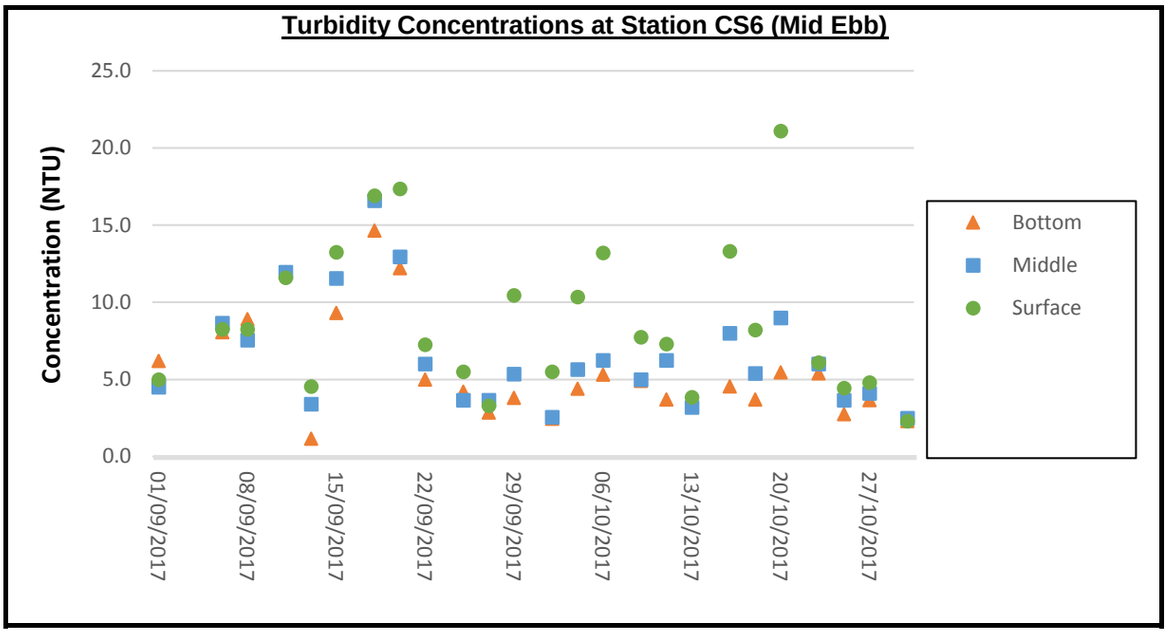

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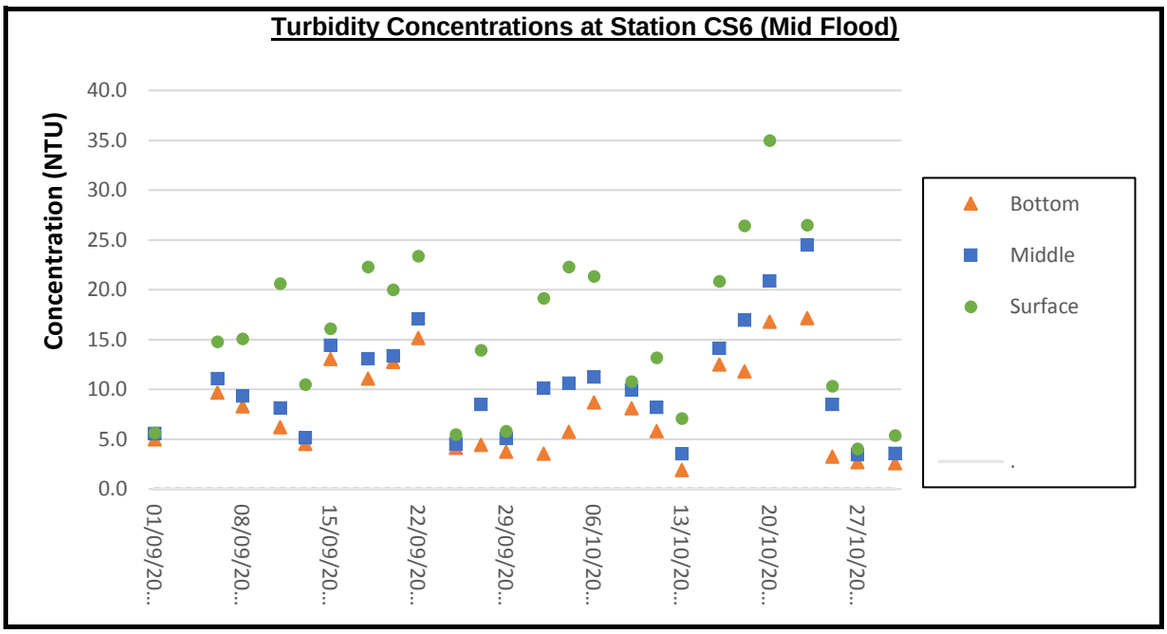

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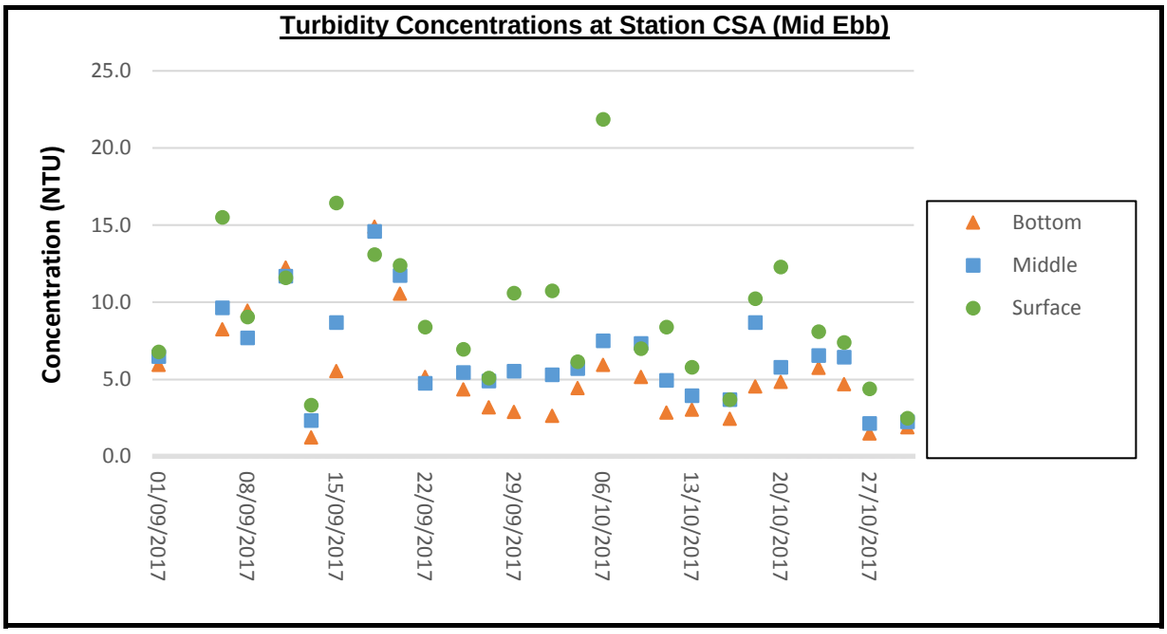

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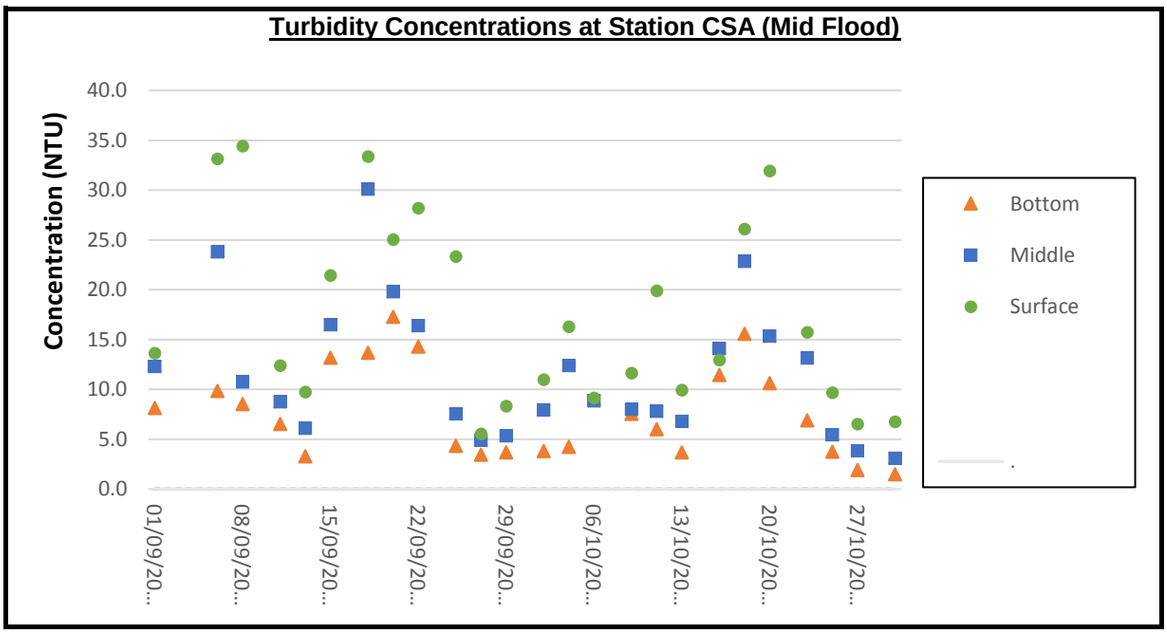

Remark: -The water quality monitoring before 1 September 2017 are conducted by Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge HKBCF – Reclamation Works. Please refer the monitoring results from July 2017 to August 2017 in the published Monthly EM&A Report for Contract No. HY/2010/02.
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APPENDIX E

Dolphin Monitoring Result

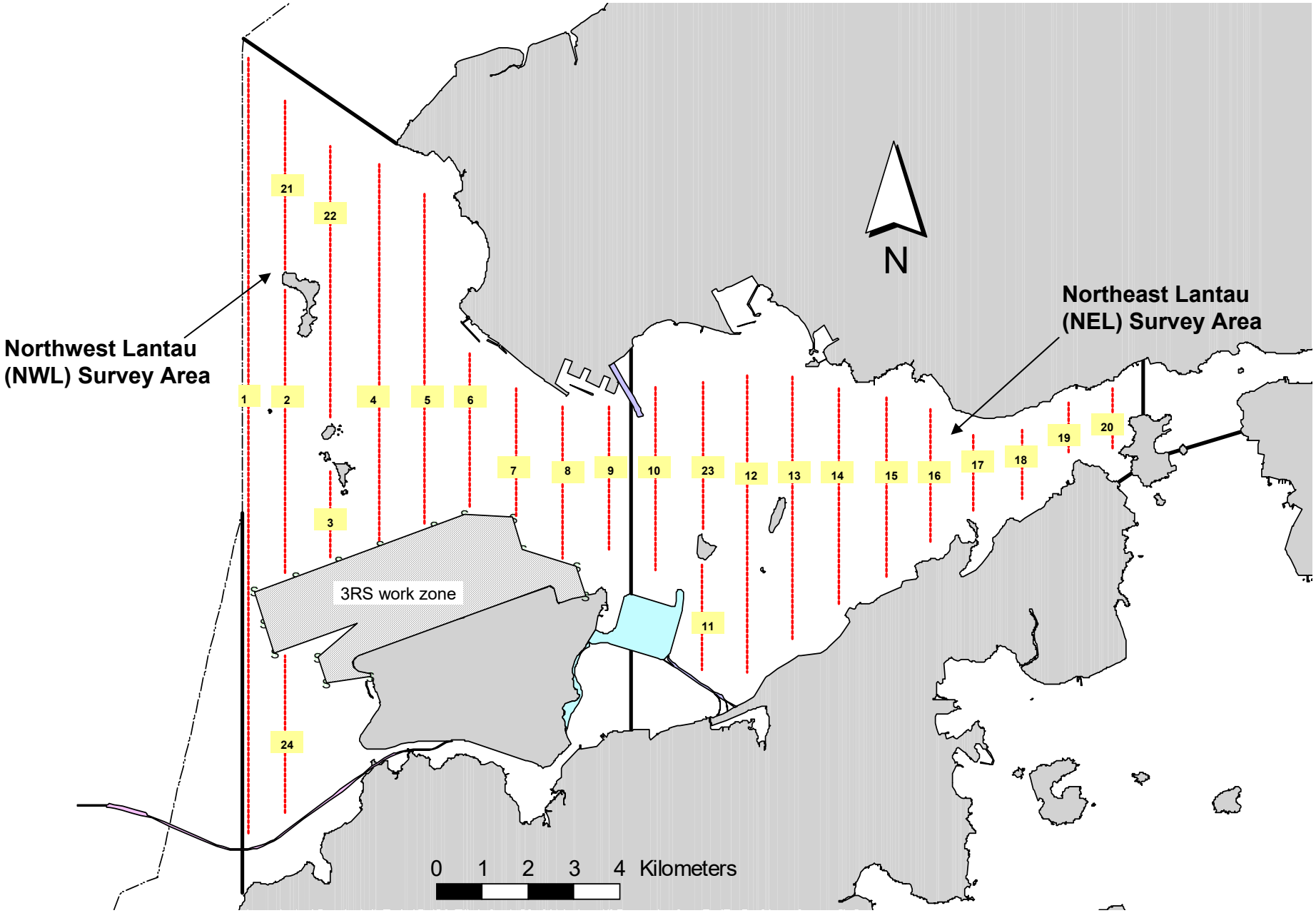


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

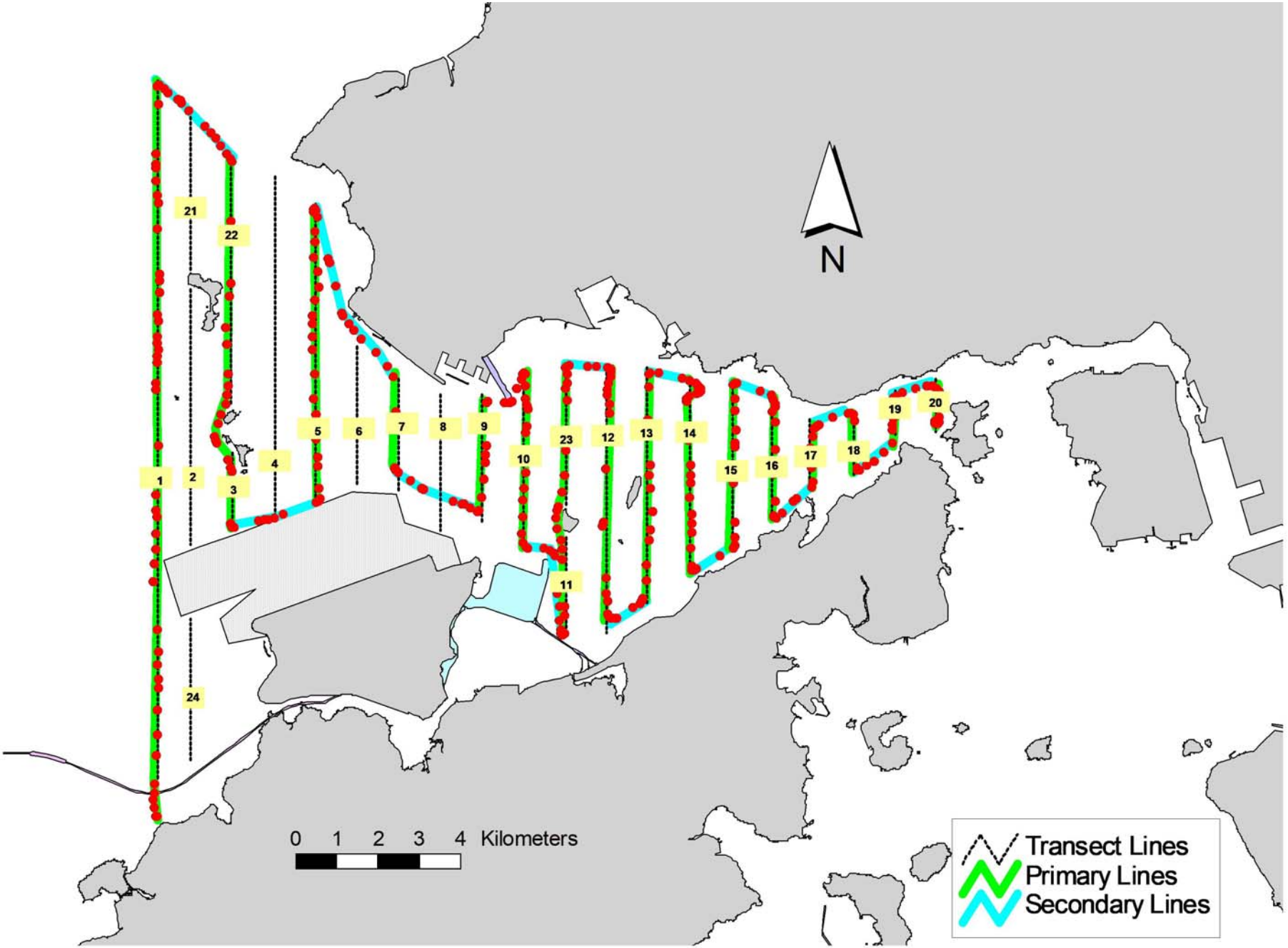


Figure 2. Survey Route on October 6th, 2017

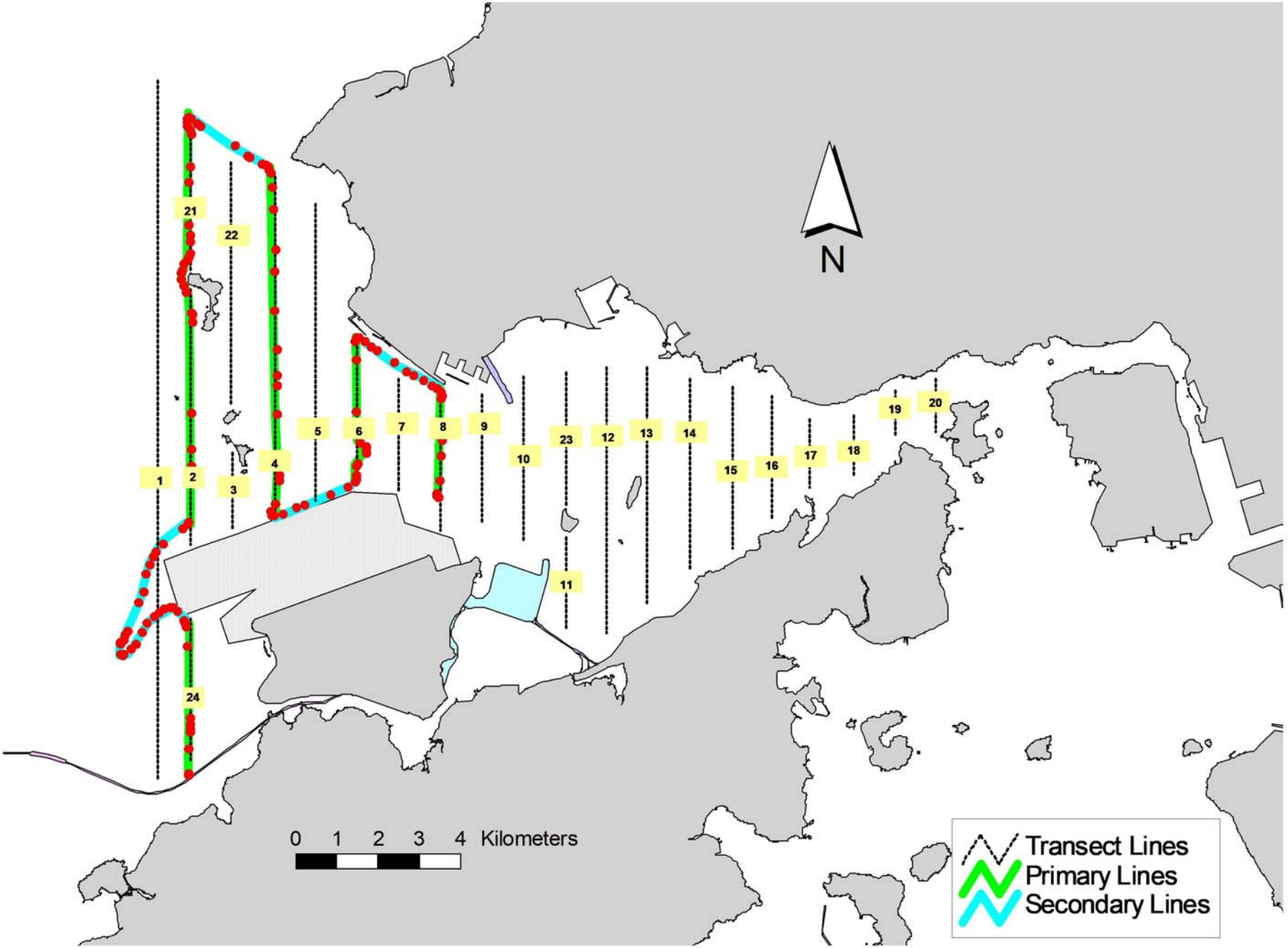


Figure 3. Survey Route on October 12th, 2017

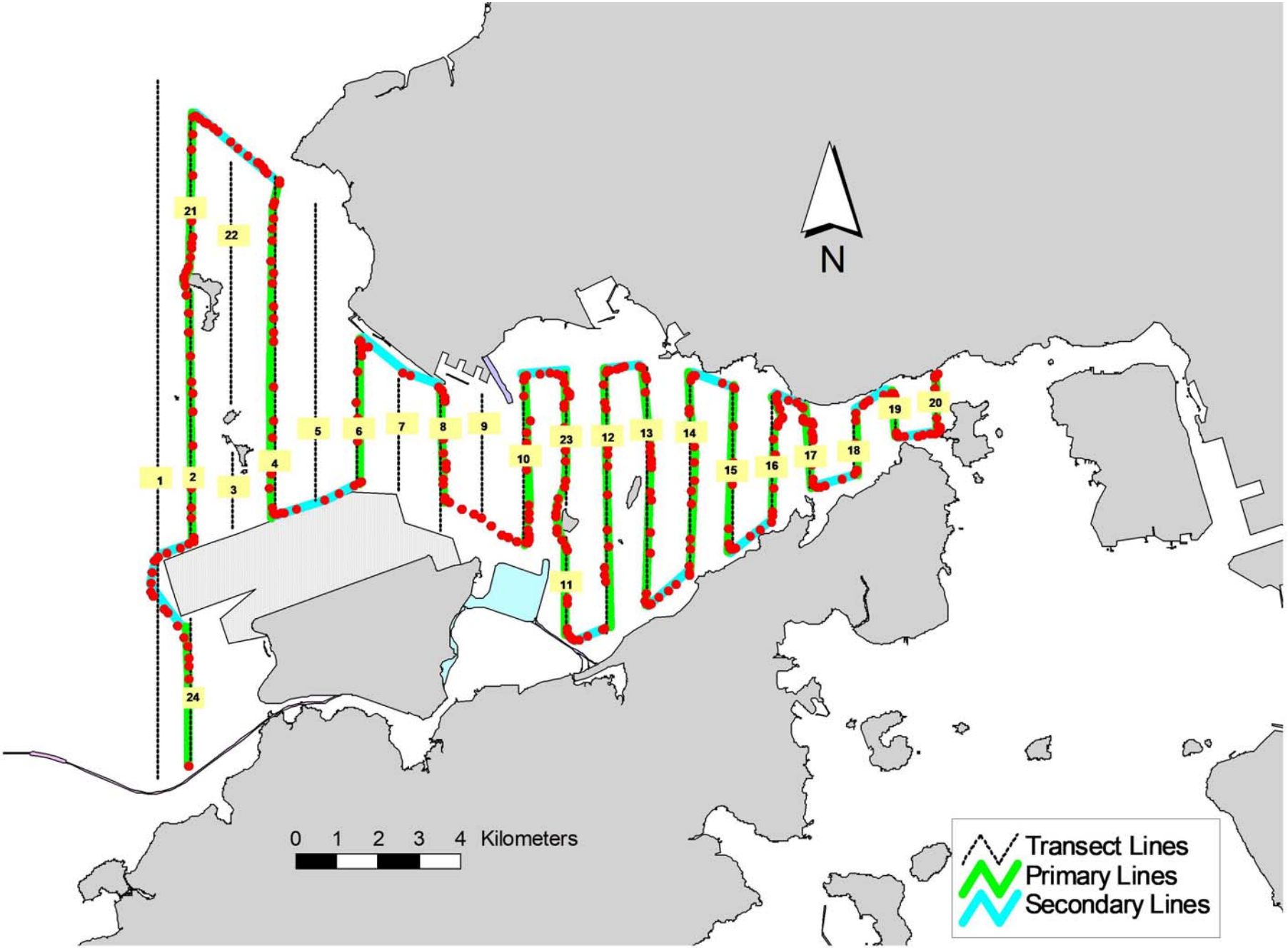


Figure 4. Survey Route on October 17th, 2017

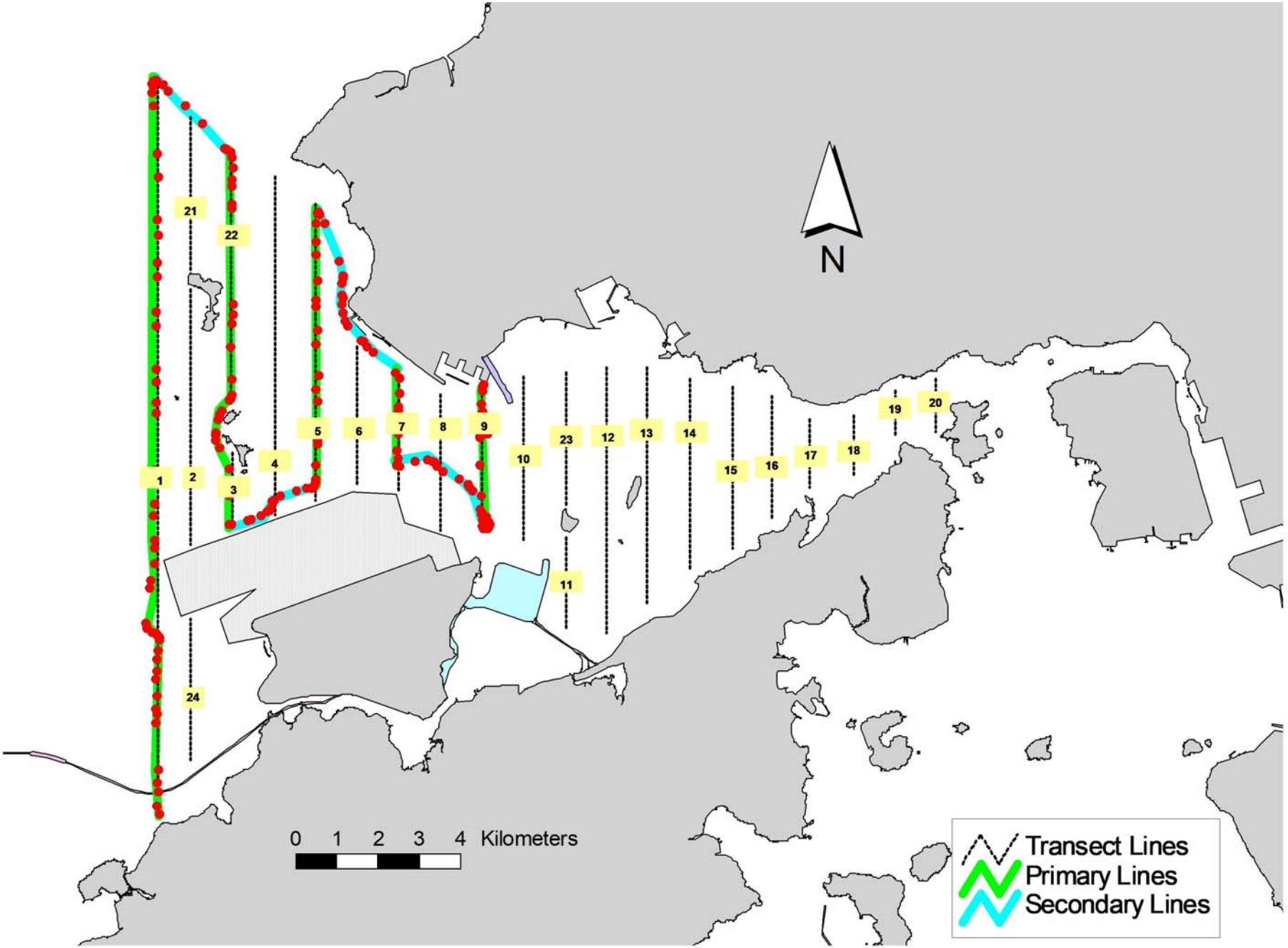


Figure 5. Survey Route on October 19th, 2017

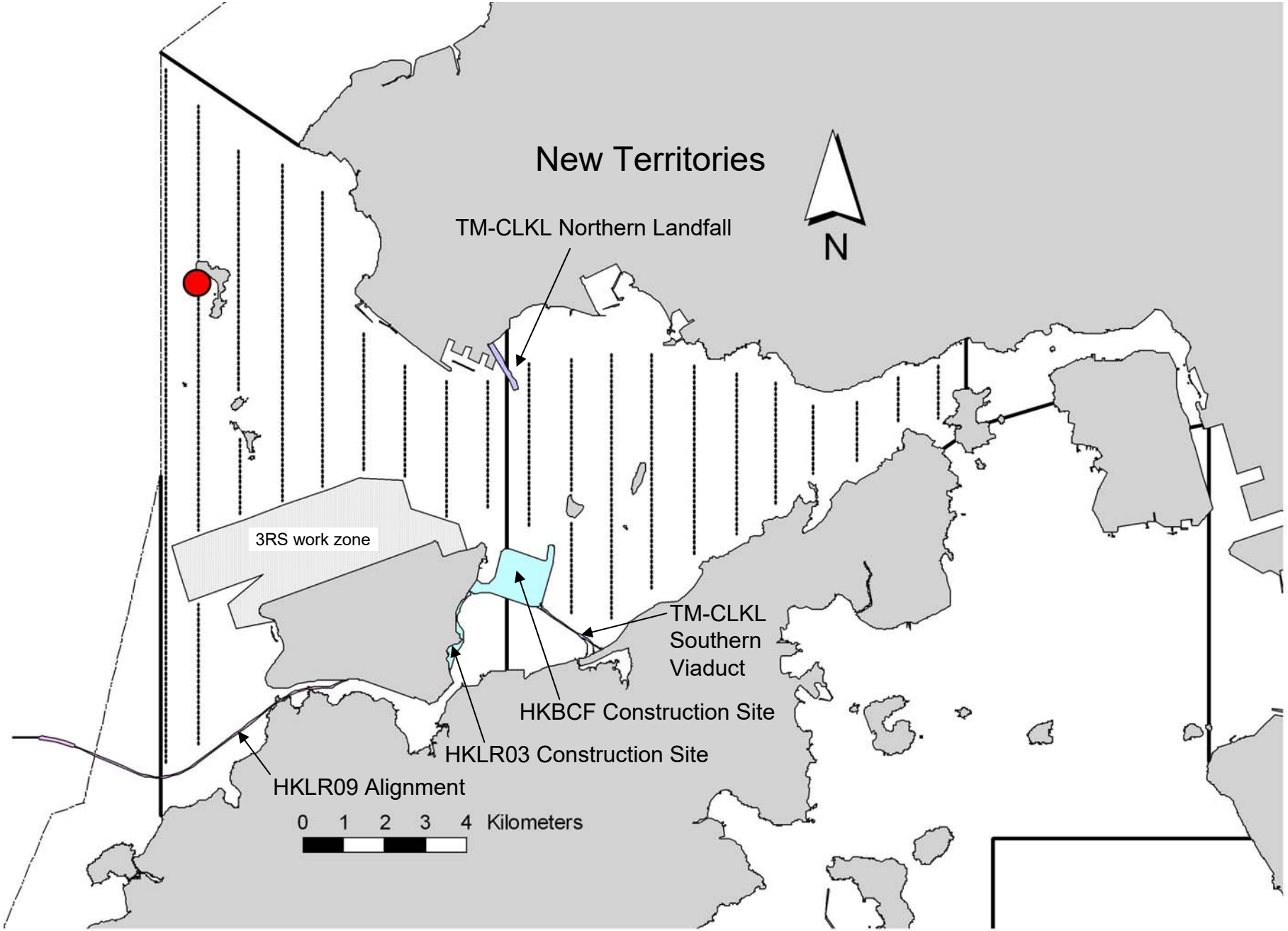


Figure 6. Distribution of Chinese White Dolphin Sightings during October 2017 HKBCF Monitoring Surveys

Annex I. HKBCF Survey Effort Database (October 2017)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
6-Oct-17	NW LANTAU	2	15.46	AUTUMN	STANDARD36826	HKBCF	P
6-Oct-17	NW LANTAU	3	19.54	AUTUMN	STANDARD36826	HKBCF	P
6-Oct-17	NW LANTAU	2	7.20	AUTUMN	STANDARD36826	HKBCF	S
6-Oct-17	NW LANTAU	3	6.20	AUTUMN	STANDARD36826	HKBCF	S
6-Oct-17	NE LANTAU	2	16.90	AUTUMN	STANDARD36826	HKBCF	P
6-Oct-17	NE LANTAU	3	18.40	AUTUMN	STANDARD36826	HKBCF	P
6-Oct-17	NE LANTAU	2	7.60	AUTUMN	STANDARD36826	HKBCF	S
6-Oct-17	NE LANTAU	3	6.40	AUTUMN	STANDARD36826	HKBCF	S
12-Oct-17	NW LANTAU	2	19.17	AUTUMN	STANDARD36826	HKBCF	P
12-Oct-17	NW LANTAU	3	6.73	AUTUMN	STANDARD36826	HKBCF	P
12-Oct-17	NW LANTAU	2	5.59	AUTUMN	STANDARD36826	HKBCF	S
12-Oct-17	NW LANTAU	3	4.33	AUTUMN	STANDARD36826	HKBCF	S
17-Oct-17	NW LANTAU	2	11.40	AUTUMN	STANDARD36826	HKBCF	P
17-Oct-17	NW LANTAU	3	14.40	AUTUMN	STANDARD36826	HKBCF	P
17-Oct-17	NW LANTAU	2	3.90	AUTUMN	STANDARD36826	HKBCF	S
17-Oct-17	NW LANTAU	3	6.90	AUTUMN	STANDARD36826	HKBCF	S
17-Oct-17	NE LANTAU	2	36.66	AUTUMN	STANDARD36826	HKBCF	P
17-Oct-17	NE LANTAU	2	12.04	AUTUMN	STANDARD36826	HKBCF	S
19-Oct-17	NW LANTAU	2	13.37	AUTUMN	STANDARD36826	HKBCF	P
19-Oct-17	NW LANTAU	3	17.70	AUTUMN	STANDARD36826	HKBCF	P
19-Oct-17	NW LANTAU	4	1.20	AUTUMN	STANDARD36826	HKBCF	P
19-Oct-17	NW LANTAU	2	7.63	AUTUMN	STANDARD36826	HKBCF	S
19-Oct-17	NW LANTAU	3	10.20	AUTUMN	STANDARD36826	HKBCF	S

Annex II. HKBCF Chinese White Dolphin Sighting Database (October 2017)

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

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
12-Oct-17	1	1158	12	NW LANTAU	2	460	ON	HKBCF	826486	805415	AUTUMN	NONE	S

Annex III. Individual dolphins identified during HKBCF monitoring surveys in October 2017

ID#	DATE	STG#	AREA
NL12	12/10/17	1	NW LANTAU
NL104	12/10/17	1	NW LANTAU
NL182	12/10/17	1	NW LANTAU
NL233	12/10/17	1	NW LANTAU
NL280	12/10/17	1	NW LANTAU
NL317	12/10/17	1	NW LANTAU
NL320	12/10/17	1	NW LANTAU
NL321	12/10/17	1	NW LANTAU
WL188	12/10/17	1	NW LANTAU

Annex IV. Photographs of Identified Individual Dolphins in October 2017 (HKBCF surveys)

APPENDIX F

Wind Data

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
01/10/2017	01:00	0	SSE
01/10/2017	02:00	0	SE
01/10/2017	03:00	0	E
01/10/2017	04:00	0	SSE
01/10/2017	05:00	0	ENE
01/10/2017	06:00	0	E
01/10/2017	07:00	0	E
01/10/2017	08:00	0.4	SSE
01/10/2017	09:00	0.4	SSE
01/10/2017	10:00	0.4	E
01/10/2017	11:00	0.4	SSE
01/10/2017	12:00	0.4	SE
01/10/2017	13:00	0	E
01/10/2017	14:00	0	E
01/10/2017	15:00	0	SSE
01/10/2017	16:00	0.4	E
01/10/2017	17:00	0.4	SSE
01/10/2017	18:00	0.4	SE
01/10/2017	19:00	0	SSE
01/10/2017	20:00	0	E
01/10/2017	21:00	0	E
01/10/2017	22:00	0	ESE
01/10/2017	23:00	0	E
02/10/2017	00:00	0.4	SSE
02/10/2017	01:00	0	---
02/10/2017	02:00	0	SSE
02/10/2017	03:00	0	ENE
02/10/2017	04:00	0	---
02/10/2017	05:00	0	---
02/10/2017	06:00	0	---
02/10/2017	07:00	0	ESE
02/10/2017	08:00	0	SSE
02/10/2017	09:00	0	ESE
02/10/2017	10:00	0	S
02/10/2017	11:00	0.4	E
02/10/2017	12:00	0.4	SE
02/10/2017	13:00	0	SSE
02/10/2017	14:00	0	SE
02/10/2017	15:00	0.4	ENE
02/10/2017	16:00	0	SE
02/10/2017	17:00	0.4	SSE
02/10/2017	18:00	0	SSE
02/10/2017	19:00	0	SSE
02/10/2017	20:00	0	E
02/10/2017	21:00	0	E
02/10/2017	22:00	0	E
02/10/2017	23:00	0	ENE
03/10/2017	00:00	0	SSE
03/10/2017	01:00	0	---

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
03/10/2017	02:00	0	ENE
03/10/2017	03:00	0	---
03/10/2017	04:00	0	SSE
03/10/2017	05:00	0	SSE
03/10/2017	06:00	0	---
03/10/2017	07:00	0	---
03/10/2017	08:00	0	---
03/10/2017	09:00	0	E
03/10/2017	10:00	0	ENE
03/10/2017	11:00	0.4	SSE
03/10/2017	12:00	0	SSE
03/10/2017	13:00	0	SSE
03/10/2017	14:00	0.4	ENE
03/10/2017	15:00	0	SE
03/10/2017	16:00	0.4	SSE
03/10/2017	17:00	1.3	SE
03/10/2017	18:00	0.9	SSE
03/10/2017	19:00	0.4	SSE
03/10/2017	20:00	0	SE
03/10/2017	21:00	0	SSE
03/10/2017	22:00	0	ENE
03/10/2017	23:00	0	ENE
04/10/2017	00:00	0	SE
04/10/2017	01:00	0	ESE
04/10/2017	02:00	0	SE
04/10/2017	03:00	0	SE
04/10/2017	04:00	0	SSE
04/10/2017	05:00	0	---
04/10/2017	06:00	0	---
04/10/2017	07:00	0	SE
04/10/2017	08:00	0	SE
04/10/2017	09:00	0	SSE
04/10/2017	10:00	0.4	SE
04/10/2017	11:00	1.8	SSE
04/10/2017	12:00	1.3	SSE
04/10/2017	13:00	1.8	SE
04/10/2017	14:00	1.8	SSE
04/10/2017	15:00	0	SE
04/10/2017	16:00	0.4	SSE
04/10/2017	17:00	0	SSE
04/10/2017	18:00	0	SSE
04/10/2017	19:00	0.4	SSE
04/10/2017	20:00	0	---
04/10/2017	21:00	0.4	SSE
04/10/2017	22:00	0.4	SSE
04/10/2017	23:00	0.4	SSE
05/10/2017	00:00	0.4	SE
05/10/2017	01:00	0.4	E
05/10/2017	02:00	0.4	ENE

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
05/10/2017	03:00	0	ENE
05/10/2017	04:00	0	E
05/10/2017	05:00	0	E
05/10/2017	06:00	0	SSE
05/10/2017	07:00	0	SE
05/10/2017	08:00	0	SE
05/10/2017	09:00	0	ENE
05/10/2017	10:00	0	ESE
05/10/2017	11:00	0.9	SE
05/10/2017	12:00	0.9	SE
05/10/2017	13:00	0.9	SSE
05/10/2017	14:00	2.2	SSE
05/10/2017	15:00	1.3	SSE
05/10/2017	16:00	1.3	SSE
05/10/2017	17:00	1.3	SSE
05/10/2017	18:00	1.3	SSE
05/10/2017	19:00	0.9	SSE
05/10/2017	20:00	0.9	SSE
05/10/2017	21:00	0	SSE
05/10/2017	22:00	0	SSE
05/10/2017	23:00	0	ESE
06/10/2017	00:00	0	SSE
06/10/2017	01:00	0	SSE
06/10/2017	02:00	0.4	E
06/10/2017	03:00	0	SE
06/10/2017	04:00	0	SE
06/10/2017	05:00	0	E
06/10/2017	06:00	0	---
06/10/2017	07:00	0	E
06/10/2017	08:00	0	E
06/10/2017	09:00	0	SW
06/10/2017	10:00	0.4	ESE
06/10/2017	11:00	0.9	SSE
06/10/2017	12:00	1.3	SSE
06/10/2017	13:00	0.9	SE
06/10/2017	14:00	0	SSE
06/10/2017	15:00	2.7	SSE
06/10/2017	16:00	2.2	SSE
06/10/2017	17:00	0.9	SSE
06/10/2017	18:00	0.4	SSE
06/10/2017	19:00	1.3	SSE
06/10/2017	20:00	0	SE
06/10/2017	21:00	0	SSE
06/10/2017	22:00	0	S
06/10/2017	23:00	0	SSE
07/10/2017	00:00	0	SE
07/10/2017	01:00	0.9	SE
07/10/2017	02:00	0	SE
07/10/2017	03:00	0.4	SE

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
07/10/2017	04:00	0	ENE
07/10/2017	05:00	0	E
07/10/2017	06:00	0	ESE
07/10/2017	07:00	0	E
07/10/2017	08:00	0.4	E
07/10/2017	09:00	0.4	E
07/10/2017	10:00	1.3	ENE
07/10/2017	11:00	1.8	E
07/10/2017	12:00	1.8	SE
07/10/2017	13:00	1.3	SSE
07/10/2017	14:00	0.9	SSE
07/10/2017	15:00	0.4	SE
07/10/2017	16:00	0	SSE
07/10/2017	17:00	1.3	SSE
07/10/2017	18:00	4	SSE
07/10/2017	19:00	1.8	SE
07/10/2017	20:00	0.4	SE
07/10/2017	21:00	1.8	SE
07/10/2017	22:00	0.4	SSE
07/10/2017	23:00	0.4	SE
08/10/2017	00:00	0.9	SE
08/10/2017	01:00	1.3	SE
08/10/2017	02:00	0.4	SE
08/10/2017	03:00	0	SSE
08/10/2017	04:00	0	E
08/10/2017	05:00	0	---
08/10/2017	06:00	0	---
08/10/2017	07:00	0	SE
08/10/2017	08:00	0	ENE
08/10/2017	09:00	0	---
08/10/2017	10:00	0	---
08/10/2017	11:00	0	---
08/10/2017	12:00	0.4	ENE
08/10/2017	13:00	0	NE
08/10/2017	14:00	0	ENE
08/10/2017	15:00	0	---
08/10/2017	16:00	0.4	SSE
08/10/2017	17:00	4	SSE
08/10/2017	18:00	1.8	SSE
08/10/2017	19:00	2.7	SSE
08/10/2017	20:00	0.4	SSE
08/10/2017	21:00	0.4	SSE
08/10/2017	22:00	0.9	SE
08/10/2017	23:00	1.3	SE
09/10/2017	00:00	0.9	SE
09/10/2017	01:00	0.4	SE
09/10/2017	02:00	0.4	ENE
09/10/2017	03:00	0	ENE
09/10/2017	04:00	0.4	E

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
09/10/2017	05:00	0	E
09/10/2017	06:00	0	---
09/10/2017	07:00	0	E
09/10/2017	08:00	0	---
09/10/2017	09:00	0	NNE
09/10/2017	10:00	0	NE
09/10/2017	11:00	1.3	ENE
09/10/2017	12:00	1.8	ENE
09/10/2017	13:00	3.6	E
09/10/2017	14:00	4	SE
09/10/2017	15:00	3.6	SE
09/10/2017	16:00	3.6	SE
09/10/2017	17:00	0.9	SE
09/10/2017	18:00	1.8	SE
09/10/2017	19:00	2.7	SE
09/10/2017	20:00	2.7	SE
09/10/2017	21:00	2.2	SE
09/10/2017	22:00	0.9	SE
09/10/2017	23:00	1.8	SE
10/10/2017	00:00	1.3	SE
10/10/2017	01:00	0.9	SE
10/10/2017	02:00	1.8	SE
10/10/2017	03:00	0.9	SE
10/10/2017	04:00	0.4	SE
10/10/2017	05:00	0	SE
10/10/2017	06:00	0	E
10/10/2017	07:00	0	SE
10/10/2017	08:00	0	SSE
10/10/2017	09:00	0.4	SE
10/10/2017	10:00	1.3	E
10/10/2017	11:00	1.8	ENE
10/10/2017	12:00	2.2	SE
10/10/2017	13:00	1.8	SE
10/10/2017	14:00	2.2	SE
10/10/2017	15:00	1.8	SE
10/10/2017	16:00	1.8	SE
10/10/2017	17:00	0.4	SE
10/10/2017	18:00	0.4	SE
10/10/2017	19:00	0	SE
10/10/2017	20:00	0.4	SSE
10/10/2017	21:00	0.9	E
10/10/2017	22:00	0	E
10/10/2017	23:00	0.4	SSE
11/10/2017	00:00	3.1	SSE
11/10/2017	01:00	3.1	SSE
11/10/2017	02:00	1.8	SSE
11/10/2017	03:00	1.3	SSE
11/10/2017	04:00	0.4	SE
11/10/2017	05:00	0.4	SSE

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
11/10/2017	06:00	0.4	SE
11/10/2017	07:00	0.4	SSE
11/10/2017	08:00	0	SSE
11/10/2017	09:00	0.4	SE
11/10/2017	10:00	0.4	SE
11/10/2017	11:00	0.4	SE
11/10/2017	12:00	0.4	SE
11/10/2017	13:00	0.4	SE
11/10/2017	14:00	0.4	SSE
11/10/2017	15:00	0	SSE
11/10/2017	16:00	0.4	SE
11/10/2017	17:00	1.8	SSE
11/10/2017	18:00	0.9	SSE
11/10/2017	19:00	1.8	SSE
11/10/2017	20:00	0	SSE
11/10/2017	21:00	0	ENE
11/10/2017	22:00	0	ENE
11/10/2017	23:00	0	SE
12/10/2017	00:00	0.4	SSE
12/10/2017	01:00	0.4	SSE
12/10/2017	02:00	0	SSE
12/10/2017	03:00	0	SSE
12/10/2017	04:00	0	SSE
12/10/2017	05:00	0	SE
12/10/2017	06:00	0	SE
12/10/2017	07:00	0	S
12/10/2017	08:00	0	---
12/10/2017	09:00	0	NE
12/10/2017	10:00	0	---
12/10/2017	11:00	0.4	NE
12/10/2017	12:00	0	NE
12/10/2017	13:00	0	---
12/10/2017	14:00	0	SSE
12/10/2017	15:00	0	E
12/10/2017	16:00	0.9	ENE
12/10/2017	17:00	2.7	NNW
12/10/2017	18:00	4	NNW
12/10/2017	19:00	2.2	SSE
12/10/2017	20:00	1.8	SSE
12/10/2017	21:00	4	NNW
12/10/2017	22:00	3.6	NNW
12/10/2017	23:00	2.2	N
13/10/2017	00:00	2.7	NNE
13/10/2017	01:00	3.6	NW
13/10/2017	02:00	4.5	NNE
13/10/2017	03:00	4.5	NNE
13/10/2017	04:00	3.6	NNE
13/10/2017	05:00	4.5	NNE
13/10/2017	06:00	3.1	NNW

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
13/10/2017	07:00	3.1	N
13/10/2017	08:00	3.1	NW
13/10/2017	09:00	3.6	NNW
13/10/2017	10:00	2.7	NW
13/10/2017	11:00	2.2	NNE
13/10/2017	12:00	3.6	N
13/10/2017	13:00	4.5	N
13/10/2017	14:00	1.8	N
13/10/2017	15:00	2.2	NNW
13/10/2017	16:00	2.7	NW
13/10/2017	17:00	1.3	NNW
13/10/2017	18:00	0.4	NNW
13/10/2017	19:00	2.2	NNW
13/10/2017	20:00	3.1	NNW
13/10/2017	21:00	4.9	NNW
13/10/2017	22:00	4.9	NNE
13/10/2017	23:00	4.9	NE
14/10/2017	00:00	4.9	NE
14/10/2017	01:00	3.1	NE
14/10/2017	02:00	3.6	NE
14/10/2017	03:00	2.7	N
14/10/2017	04:00	3.1	NW
14/10/2017	05:00	3.6	NW
14/10/2017	06:00	3.6	NW
14/10/2017	07:00	4	NNW
14/10/2017	08:00	4.5	NNW
14/10/2017	09:00	4	NNW
14/10/2017	10:00	4	NNW
14/10/2017	11:00	4.9	WNW
14/10/2017	12:00	3.6	WNW
14/10/2017	13:00	3.6	NW
14/10/2017	14:00	3.6	NNW
14/10/2017	15:00	2.2	NW
14/10/2017	16:00	0	NW
14/10/2017	17:00	0	NW
14/10/2017	18:00	0	NW
14/10/2017	19:00	0	NW
14/10/2017	20:00	0	N
14/10/2017	21:00	0	N
14/10/2017	22:00	0	NNW
14/10/2017	23:00	0	NW
15/10/2017	00:00	0	N
15/10/2017	01:00	0	NNE
15/10/2017	02:00	0	NNE
15/10/2017	03:00	0	WNW
15/10/2017	04:00	0	NW
15/10/2017	05:00	0	NW
15/10/2017	06:00	0	N
15/10/2017	07:00	0	NW

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
15/10/2017	08:00	0	N
15/10/2017	09:00	0	WNW
15/10/2017	10:00	0	NE
15/10/2017	11:00	0	NE
15/10/2017	12:00	0.4	NE
15/10/2017	13:00	0	ENE
15/10/2017	14:00	0	ENE
15/10/2017	15:00	0	ENE
15/10/2017	16:00	0	ENE
15/10/2017	17:00	0	NE
15/10/2017	18:00	0	NE
15/10/2017	19:00	0.4	SE
15/10/2017	20:00	0.4	SSE
15/10/2017	21:00	0.4	ENE
15/10/2017	22:00	0	SSE
15/10/2017	23:00	0	SE
16/10/2017	00:00	0.4	SSE
16/10/2017	01:00	0.4	E
16/10/2017	02:00	0	E
16/10/2017	03:00	0	E
16/10/2017	04:00	0.4	E
16/10/2017	05:00	0.4	E
16/10/2017	06:00	0	ESE
16/10/2017	07:00	0.4	ENE
16/10/2017	08:00	0.4	ESE
16/10/2017	09:00	0	E
16/10/2017	10:00	0.4	S
16/10/2017	11:00	0	SSE
16/10/2017	12:00	0	SSE
16/10/2017	13:00	0.4	ENE
16/10/2017	14:00	0.9	E
16/10/2017	15:00	0.4	SE
16/10/2017	16:00	0	SE
16/10/2017	17:00	0	SE
16/10/2017	18:00	0.9	SE
16/10/2017	19:00	0	NE
16/10/2017	20:00	0	---
16/10/2017	21:00	0	ENE
16/10/2017	22:00	0	---
16/10/2017	23:00	0	NE
17/10/2017	00:00	0	---
17/10/2017	01:00	0	---
17/10/2017	02:00	0	---
17/10/2017	03:00	0	NNW
17/10/2017	04:00	0	---
17/10/2017	05:00	0	---
17/10/2017	06:00	0	---
17/10/2017	07:00	0	---
17/10/2017	08:00	0	NE

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
17/10/2017	09:00	0	N
17/10/2017	10:00	0	---
17/10/2017	11:00	0.4	ENE
17/10/2017	12:00	0	ENE
17/10/2017	13:00	0	NNW
17/10/2017	14:00	0	---
17/10/2017	15:00	0	NE
17/10/2017	16:00	0	NE
17/10/2017	17:00	1.8	NE
17/10/2017	18:00	1.8	NE
17/10/2017	19:00	0.9	ENE
17/10/2017	20:00	0	---
17/10/2017	21:00	0	ESE
17/10/2017	22:00	0	---
17/10/2017	23:00	0.4	ENE
18/10/2017	00:00	0	E
18/10/2017	01:00	0	---
18/10/2017	02:00	0	---
18/10/2017	03:00	0	NNE
18/10/2017	04:00	0	NNW
18/10/2017	05:00	0	---
18/10/2017	06:00	0	---
18/10/2017	07:00	0	---
18/10/2017	08:00	0	SSE
18/10/2017	09:00	0	N
18/10/2017	10:00	0	---
18/10/2017	11:00	0	NW
18/10/2017	12:00	0	WNW
18/10/2017	13:00	0	---
18/10/2017	14:00	0	---
18/10/2017	15:00	0	WNW
18/10/2017	16:00	0	---
18/10/2017	17:00	0.9	NE
18/10/2017	18:00	0.9	ENE
18/10/2017	19:00	0	NE
18/10/2017	20:00	0	ENE
18/10/2017	21:00	0	ENE
18/10/2017	22:00	0	ESE
18/10/2017	23:00	0	ENE
19/10/2017	00:00	0	ENE
19/10/2017	01:00	0	N
19/10/2017	02:00	0	N
19/10/2017	03:00	0	NNE
19/10/2017	04:00	0	NNE
19/10/2017	05:00	0	---
19/10/2017	06:00	0	---
19/10/2017	07:00	0	---
19/10/2017	08:00	0	NNW
19/10/2017	09:00	0	---

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
19/10/2017	10:00	0	WNW
19/10/2017	11:00	0	---
19/10/2017	12:00	0	---
19/10/2017	13:00	0	WNW
19/10/2017	14:00	0	WNW
19/10/2017	15:00	0.4	WNW
19/10/2017	16:00	0.4	NW
19/10/2017	17:00	0	---
19/10/2017	18:00	0	NNW
19/10/2017	19:00	0	---
19/10/2017	20:00	0	---
19/10/2017	21:00	0	NW
19/10/2017	22:00	0	N
19/10/2017	23:00	0	N
20/10/2017	00:00	0.4	NNW
20/10/2017	01:00	0	NNW
20/10/2017	02:00	0	---
20/10/2017	03:00	0	---
20/10/2017	04:00	0	NNW
20/10/2017	05:00	0	---
20/10/2017	06:00	0	---
20/10/2017	07:00	0	WNW
20/10/2017	08:00	0	---
20/10/2017	09:00	0	NW
20/10/2017	10:00	0	---
20/10/2017	11:00	0	---
20/10/2017	12:00	0.4	WNW
20/10/2017	13:00	0	WNW
20/10/2017	14:00	0	WNW
20/10/2017	15:00	0.4	W
20/10/2017	16:00	0	NNW
20/10/2017	17:00	0.4	N
20/10/2017	18:00	0.4	N
20/10/2017	19:00	0.9	NNW
20/10/2017	20:00	0	NNW
20/10/2017	21:00	0	NE
20/10/2017	22:00	0	NE
20/10/2017	23:00	0	NNE
21/10/2017	00:00	0	NNE
21/10/2017	01:00	0	NE
21/10/2017	02:00	0	NE
21/10/2017	03:00	0	NNE
21/10/2017	04:00	0	NW
21/10/2017	05:00	0	NW
21/10/2017	06:00	0	---
21/10/2017	07:00	0	WNW
21/10/2017	08:00	0	NW
21/10/2017	09:00	0	---
21/10/2017	10:00	0	NW

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
21/10/2017	11:00	0	---
21/10/2017	12:00	0	WNW
21/10/2017	13:00	0	N
21/10/2017	14:00	0	N
21/10/2017	15:00	0.4	NW
21/10/2017	16:00	0	NNW
21/10/2017	17:00	2.2	NNW
21/10/2017	18:00	0.9	NNW
21/10/2017	19:00	0	NNW
21/10/2017	20:00	0	NNE
21/10/2017	21:00	0	NNE
21/10/2017	22:00	0	E
21/10/2017	23:00	0	ENE
22/10/2017	00:00	0	ENE
22/10/2017	01:00	0	NE
22/10/2017	02:00	0	ENE
22/10/2017	03:00	0	---
22/10/2017	04:00	0	---
22/10/2017	05:00	0	---
22/10/2017	06:00	0	---
22/10/2017	07:00	0	WNW
22/10/2017	08:00	0	E
22/10/2017	09:00	0	SSE
22/10/2017	10:00	0	---
22/10/2017	11:00	0	N
22/10/2017	12:00	0	---
22/10/2017	13:00	0	N
22/10/2017	14:00	0.4	W
22/10/2017	15:00	0.9	WNW
22/10/2017	16:00	1.8	WNW
22/10/2017	17:00	0	NW
22/10/2017	18:00	0	N
22/10/2017	19:00	0.4	NNW
22/10/2017	20:00	0	---
22/10/2017	21:00	0	SSE
22/10/2017	22:00	0	---
22/10/2017	23:00	0	---
23/10/2017	00:00	0	---
23/10/2017	01:00	0	---
23/10/2017	02:00	0	ESE
23/10/2017	03:00	0	---
23/10/2017	04:00	0	---
23/10/2017	05:00	0	SSE
23/10/2017	06:00	0	---
23/10/2017	07:00	0	SE
23/10/2017	08:00	0	E
23/10/2017	09:00	0	ENE
23/10/2017	10:00	0	---
23/10/2017	11:00	0	SSW

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
23/10/2017	12:00	0	---
23/10/2017	13:00	0	---
23/10/2017	14:00	0	WNW
23/10/2017	15:00	0	W
23/10/2017	16:00	0.4	W
23/10/2017	17:00	0	E
23/10/2017	18:00	0	SSE
23/10/2017	19:00	0	S
23/10/2017	20:00	0	SSE
23/10/2017	21:00	0	SSE
23/10/2017	22:00	0	SSE
23/10/2017	23:00	0	---
24/10/2017	00:00	0	---
24/10/2017	01:00	0	SSE
24/10/2017	02:00	0	---
24/10/2017	03:00	0	---
24/10/2017	04:00	0	ESE
24/10/2017	05:00	0	---
24/10/2017	06:00	0	ESE
24/10/2017	07:00	0	SE
24/10/2017	08:00	0	ENE
24/10/2017	09:00	0	ENE
24/10/2017	10:00	0.4	NE
24/10/2017	11:00	0	ESE
24/10/2017	12:00	0	---
24/10/2017	13:00	0	NW
24/10/2017	14:00	0.4	NNW
24/10/2017	15:00	0	---
24/10/2017	16:00	0	W
24/10/2017	17:00	0	WSW
24/10/2017	18:00	0	W
24/10/2017	19:00	0	---
24/10/2017	20:00	0	SE
24/10/2017	21:00	0	SSE
24/10/2017	22:00	0	SSE
24/10/2017	23:00	0	SE
25/10/2017	00:00	0	---
25/10/2017	01:00	0	---
25/10/2017	02:00	0	SE
25/10/2017	03:00	0	SE
25/10/2017	04:00	0	ENE
25/10/2017	05:00	0	E
25/10/2017	06:00	0	E
25/10/2017	07:00	0	E
25/10/2017	08:00	0	E
25/10/2017	09:00	0	ENE
25/10/2017	10:00	0.4	SSE
25/10/2017	11:00	0.4	SSE
25/10/2017	12:00	0	E

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
25/10/2017	13:00	0	SE
25/10/2017	14:00	0	SSE
25/10/2017	15:00	0	ESE
25/10/2017	16:00	0	SW
25/10/2017	17:00	0.4	S
25/10/2017	18:00	0	SSE
25/10/2017	19:00	0	SSE
25/10/2017	20:00	0	SSE
25/10/2017	21:00	0	S
25/10/2017	22:00	0	SSE
25/10/2017	23:00	0	SE
26/10/2017	00:00	0	SSE
26/10/2017	01:00	0	SSE
26/10/2017	02:00	0	SSE
26/10/2017	03:00	0	SSE
26/10/2017	04:00	0	---
26/10/2017	05:00	0	---
26/10/2017	06:00	0	---
26/10/2017	07:00	0	E
26/10/2017	08:00	0	---
26/10/2017	09:00	0	---
26/10/2017	10:00	0	---
26/10/2017	11:00	0	---
26/10/2017	12:00	0.4	N
26/10/2017	13:00	0	N
26/10/2017	14:00	0.9	W
26/10/2017	15:00	0	WSW
26/10/2017	16:00	0	---
26/10/2017	17:00	0	---
26/10/2017	18:00	0	WNW
26/10/2017	19:00	0	---
26/10/2017	20:00	0	---
26/10/2017	21:00	0	---
26/10/2017	22:00	0	S
26/10/2017	23:00	0	S
27/10/2017	00:00	0	---
27/10/2017	01:00	0	S
27/10/2017	02:00	0	---
27/10/2017	03:00	0	---
27/10/2017	04:00	0	---
27/10/2017	05:00	0	---
27/10/2017	06:00	0	---
27/10/2017	07:00	0	---
27/10/2017	08:00	0	---
27/10/2017	09:00	0	---
27/10/2017	10:00	0.4	E
27/10/2017	11:00	0.9	E
27/10/2017	12:00	0	W
27/10/2017	13:00	0	---

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
27/10/2017	14:00	0	WNW
27/10/2017	15:00	0	W
27/10/2017	16:00	0	---
27/10/2017	17:00	0	NE
27/10/2017	18:00	0.4	ESE
27/10/2017	19:00	0	---
27/10/2017	20:00	0	---
27/10/2017	21:00	0	---
27/10/2017	22:00	0	SE
27/10/2017	23:00	0	---
28/10/2017	00:00	0	---
28/10/2017	01:00	0	---
28/10/2017	02:00	0	---
28/10/2017	03:00	0	---
28/10/2017	04:00	0	ESE
28/10/2017	05:00	0	---
28/10/2017	06:00	0	E
28/10/2017	07:00	0	SE
28/10/2017	08:00	0	ESE
28/10/2017	09:00	0	---
28/10/2017	10:00	0	ENE
28/10/2017	11:00	0	NE
28/10/2017	12:00	0	SW
28/10/2017	13:00	0	WNW
28/10/2017	14:00	0	WNW
28/10/2017	15:00	0.4	WNW
28/10/2017	16:00	0.9	W
28/10/2017	17:00	0	WNW
28/10/2017	18:00	0	W
28/10/2017	19:00	0	N
28/10/2017	20:00	0	---
28/10/2017	21:00	0	---
28/10/2017	22:00	0	---
28/10/2017	23:00	0	---
29/10/2017	00:00	0	---
29/10/2017	01:00	0	---
29/10/2017	02:00	0	ESE
29/10/2017	03:00	0	SSE
29/10/2017	04:00	0	E
29/10/2017	05:00	0	ESE
29/10/2017	06:00	0.4	ENE
29/10/2017	07:00	0	E
29/10/2017	08:00	0	SE
29/10/2017	09:00	0	E
29/10/2017	10:00	0	ENE
29/10/2017	11:00	0	SSW
29/10/2017	12:00	0.4	N
29/10/2017	13:00	0	WNW
29/10/2017	14:00	0	NNW

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
29/10/2017	15:00	0.4	NNE
29/10/2017	16:00	0	NE
29/10/2017	17:00	0.4	ENE
29/10/2017	18:00	0.4	ENE
29/10/2017	19:00	0	E
29/10/2017	20:00	0	---
29/10/2017	21:00	0	SSE
29/10/2017	22:00	0	ENE
29/10/2017	23:00	0	ENE
30/10/2017	00:00	0	ESE
30/10/2017	01:00	0	ENE
30/10/2017	02:00	0	NE
30/10/2017	03:00	0	NE
30/10/2017	04:00	0	ENE
30/10/2017	05:00	0	E
30/10/2017	06:00	0	ENE
30/10/2017	07:00	0	ENE
30/10/2017	08:00	0.4	NE
30/10/2017	09:00	0.9	NE
30/10/2017	10:00	0.4	NE
30/10/2017	11:00	0.4	NNE
30/10/2017	12:00	0	NE
30/10/2017	13:00	0	NE
30/10/2017	14:00	0	ENE
30/10/2017	15:00	0.4	NE
30/10/2017	16:00	0.4	NNE
30/10/2017	17:00	0	ENE
30/10/2017	18:00	0	NE
30/10/2017	19:00	0	---
30/10/2017	20:00	0	---
30/10/2017	21:00	0	---
30/10/2017	22:00	0	E
30/10/2017	23:00	0	---
31/10/2017	00:00	0	ENE
31/10/2017	01:00	0.4	ENE
31/10/2017	02:00	0	E
31/10/2017	03:00	0	ENE
31/10/2017	04:00	0	ENE
31/10/2017	05:00	0	ENE
31/10/2017	06:00	0	E
31/10/2017	07:00	0	SE
31/10/2017	08:00	0	E
31/10/2017	09:00	0	E
31/10/2017	10:00	0	E
31/10/2017	11:00	0	---
31/10/2017	12:00	0	---
31/10/2017	13:00	0	---
31/10/2017	14:00	0	WNW
31/10/2017	15:00	0	---

Appendix F Wind Data

Date	Time	Average Wind Speed (m/s)	Average Wind Direction
31/10/2017	16:00	0	W
31/10/2017	17:00	0	WSW
31/10/2017	18:00	0	---
31/10/2017	19:00	0	---
31/10/2017	20:00	0	SSE
31/10/2017	21:00	0	S
31/10/2017	22:00	0	---
31/10/2017	23:00	0	---

APPENDIX G

Calibration Certificates

EQUIPMENT CALIBRATION RECORD

Type :	Laser Dust Monitor
Manufacturer / Brand :	SIBATA
Model No.:	LD-3B
Equipment No.:	LD-3B-001
Serial No.:	934393
Sensitivity Adjustment Scale Setting :	640 CPM

Standard Equipment

Equipment :	MFC High Volume Air Sampler
Venue :	Tung Chung Pier
Model No.:	TE-5170 Total Suspended Particulate
Serial No.:	S/N3641
Previous Calibration Date	29/09/2016

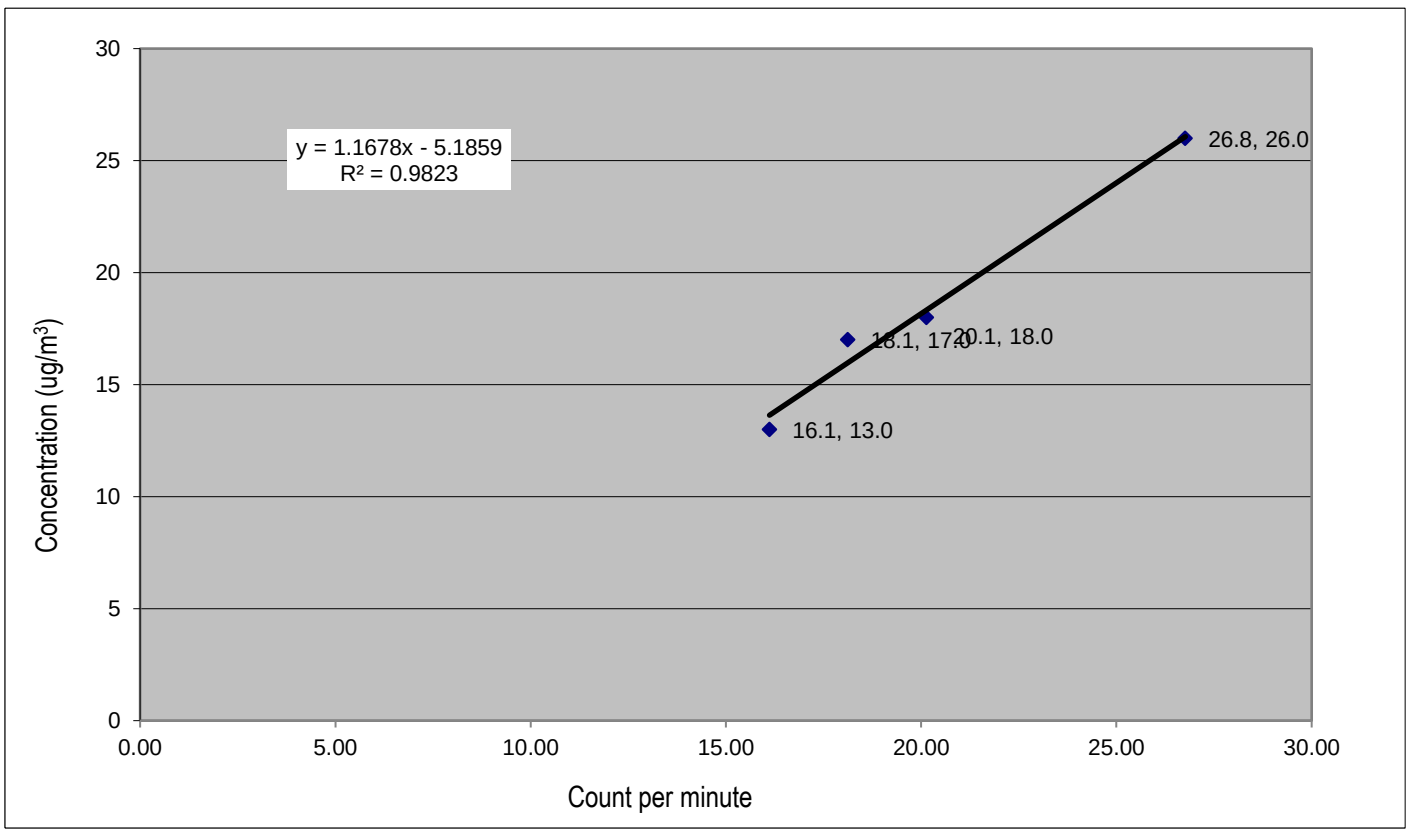
Calibration Result

Sensitivity Adjustment Scale Setting (Before Calibration) :	640 CPM
Sensitivity Adjustment Scale Setting (After Calibration) :	640 CPM

Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m^3) Y-axis	Total Count	Count/Minute X-axis
				Temp (^oC)	R.H. (%)			
1	26/10/2016	13:59	14:59	30.7	64%	18	1208	20.13
2	26/10/2016	15:12	16:12	30.9	59%	13	967	16.12
3	26/10/2016	16:21	17:21	30.9	61%	17	1087	18.12
4	26/10/2016	17:30	18:30	30.9	61%	26	1606	26.77

Be Linear Regression of Y or X
Slope (K-factor): 1.1678 Intercept,b: -5.186
Correlation coefficient (R): 0.9911

Remark:



Recorded by: Ray Cheng Signature: Date: 25/11/2016

Checked by: Ketih Chau Signature: Date: 25/11/2016

EQUIPMENT CALIBRATION RECORD

Type :	Laser Dust Monitor
Manufacturer / Brand :	SIBATA
Model No.:	LD-3B
Equipment No.:	LD-3B-001
Serial No.:	934393
Sensitivity Adjustment Scale Setting :	640 CPM

Standard Equipment

Equipment :	MFC High Volume Air Sampler
Venue :	Dragonair Building
Model No.:	TE-5170 Total Suspended Particulate
Serial No.:	S/N3693
Previous Calibration Date	24/08/2017

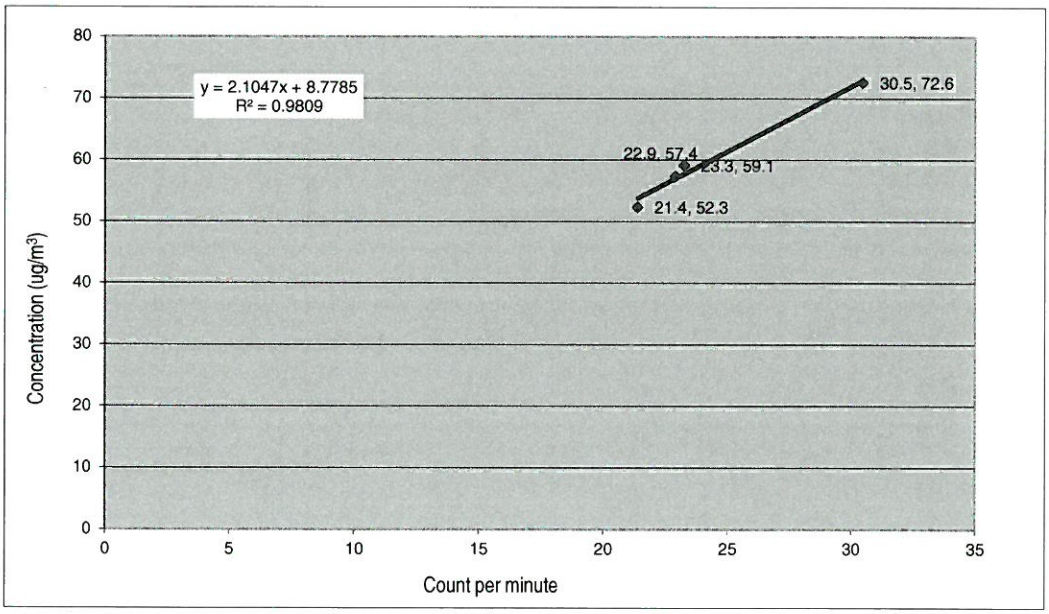
Calibration Result

Sensitivity Adjustment Scale Setting (Before Calibration) :	640 CPM
Sensitivity Adjustment Scale Setting (After Calibration) :	640 CPM

Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m^3) Y-axis	Total Count	Count/Minute X-axis
				Temp (°C)	R.H. (%)			
1	11-Oct-17	13:00	14:00	34	45%	72.6	1829	30.5
2	11-Oct-17	14:08	15:08	34	45%	59.1	1395	23.3
3	11-Oct-17	15:13	16:13	34	45%	52.3	1283	21.4
4	11-Oct-17	16:20	17:20	34	45%	57.4	1374	22.9

Be Linear Regression of Y or X
Slope (K-factor): 2.1047 Intercept,b: 8.778
Correlation coefficient : 0.9904

Remark: _____



Recorded by: William Chan Signature: Him Date: 23/10/2017

Checked by: Keith Chau Signature: Date: 23/10/2017

EQUIPMENT CALIBRATION RECORD

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

Standard Equipment

Equipment :	MFC High Volume Air Sampler
Venue :	Tung Chung Pier
Model No.:	TE-5170 Total Suspended Particulate
Serial No.:	S/N3641
Previous Calibration Date	29/09/2016

Calibration Result

Sensitivity Adjustment Scale Setting (Before Calibration) :	622 CPM
Sensitivity Adjustment Scale Setting (After Calibration) :	622 CPM

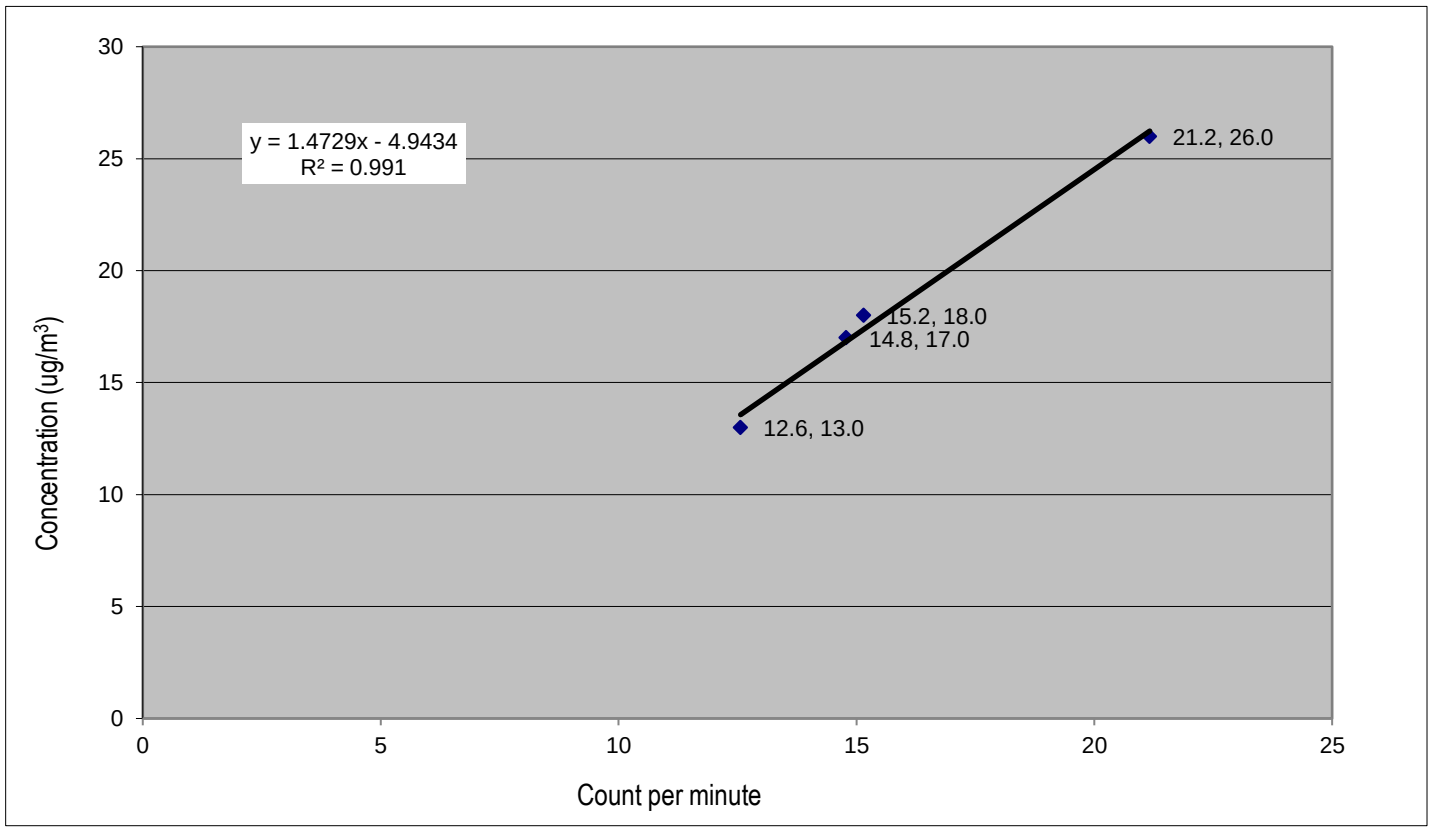
Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m^3) Y-axis	Total Count	Count/Minute X-axis
				Temp (^{o}C)	R.H. (%)			
1	26/10/2016	13:59	14:59	30.7	64%	18	909	15.15
2	26/10/2016	15:12	16:12	30.9	59%	13	754	12.57
3	26/10/2016	16:21	17:21	30.9	61%	17	887	14.78
4	26/10/2016	17:30	18:30	30.9	61%	26	1270	21.17

Be Linear Regression of Y or X

Slope (K-factor): 1.4729 Intercept,b: -4.943

Correlation coefficient (R): 0.9955

Remark: _____



Recorded by: Ray Cheng Signature: _____ Date: 25/11/2016

Checked by: Ketih Chau Signature: _____ Date: 25/11/2016

EQUIPMENT CALIBRATION RECORD

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

Standard Equipment

Equipment :	MFC High Volume Air Sampler
Venue :	Dragonair Building
Model No.:	TE-5170 Total Suspended Particulate
Serial No.:	S/N3693
Previous Calibration Date	24/08/2017

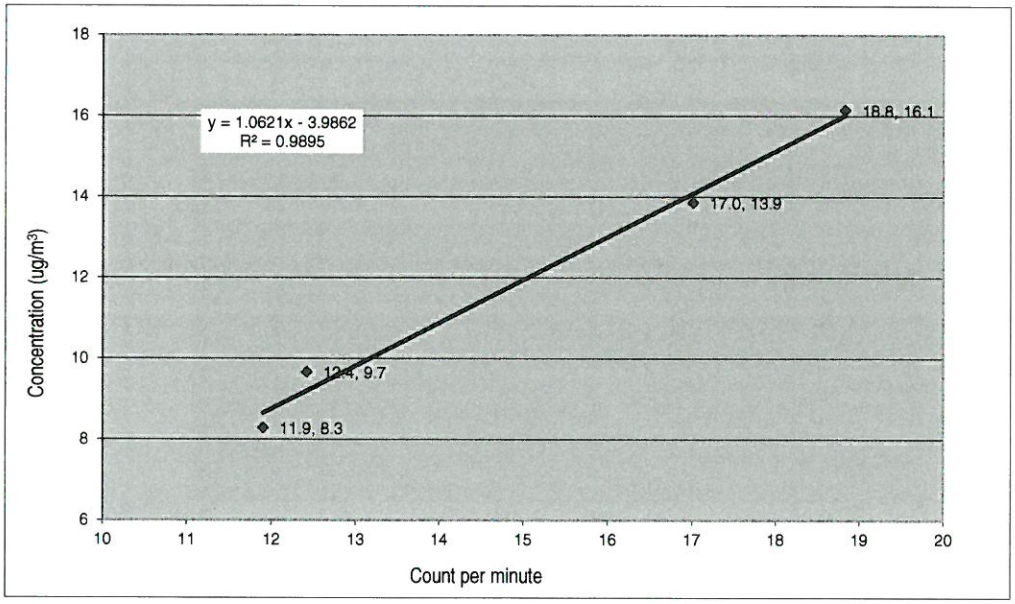
Calibration Result

Sensitivity Adjustment Scale Setting (Before Calibration) :	622
Sensitivity Adjustment Scale Setting (After Calibration) :	622

Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m^3) Y-axis	Total Count	Count/Minute X-axis
				Temp (°C)	R.H. (%)			
1	11-Sep-17	13:51	14:51	33	60%	9.7	745	12.42
2	11-Sep-17	15:01	16:01	33	60%	8.3	714	11.90
3	11-Sep-17	16:05	17:05	33	60%	13.9	1021	17.02
4	11-Sep-17	17:05	18:05	33	60%	16.1	1130	18.83

Be Linear Regression of Y or X
Slope (K-factor): 1.062 Intercept,b: -3.986
Correlation coefficient (R): 0.9947

Remark: _____



Recorded by: William Chan Signature: Hinn Date: 20/10/2017

Checked by: Keith Chau Signature: Date: 20/10/2017

EQUIPMENT CALIBRATION RECORD

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

Standard Equipment

Equipment :	MFC High Volume Air Sampler
Venue :	Tung Chung Pier
Model No.:	TE-5170 Total Suspended Particulate
Serial No.:	S/N3641
Previous Calibration Date	29/09/2016

Calibration Result

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

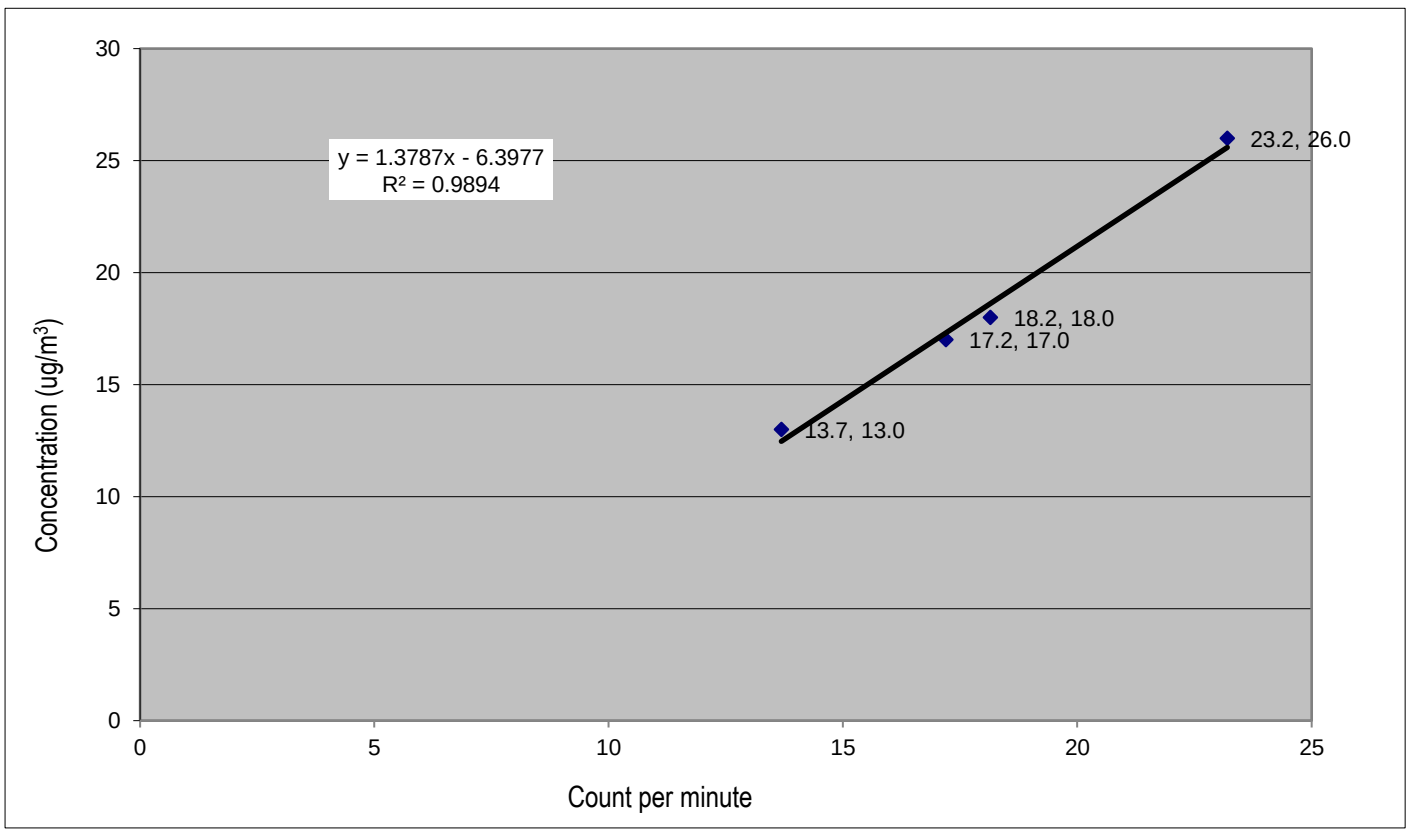
Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m^3) Y-axis	Total Count	Count/Minute X-axis
				Temp (^{o}C)	R.H. (%)			
1	26/10/2016	13:59	14:59	30.7	64%	18	1089	18.15
2	26/10/2016	15:12	16:12	30.9	59%	13	821	13.68
3	26/10/2016	16:21	17:21	30.9	61%	17	1032	17.20
4	26/10/2016	17:30	18:30	30.9	61%	26	1392	23.20

Be Linear Regression of Y or X

Slope (K-factor): 1.3787 Intercept,b: -6.398

Correlation coefficient : 0.9947

Remark: _____



Recorded by: Ray Cheng Signature: _____ Date: 25/11/2016

Checked by: Ketih Chau Signature: _____ Date: 25/11/2016

EQUIPMENT CALIBRATION RECORD

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

Standard Equipment

Equipment :	MFC High Volume Air Sampler
Venue :	Dragonair Building
Model No.:	TE-5170 Total Suspended Particulate
Serial No.:	S/N3693
Previous Calibration Date	24/08/2017

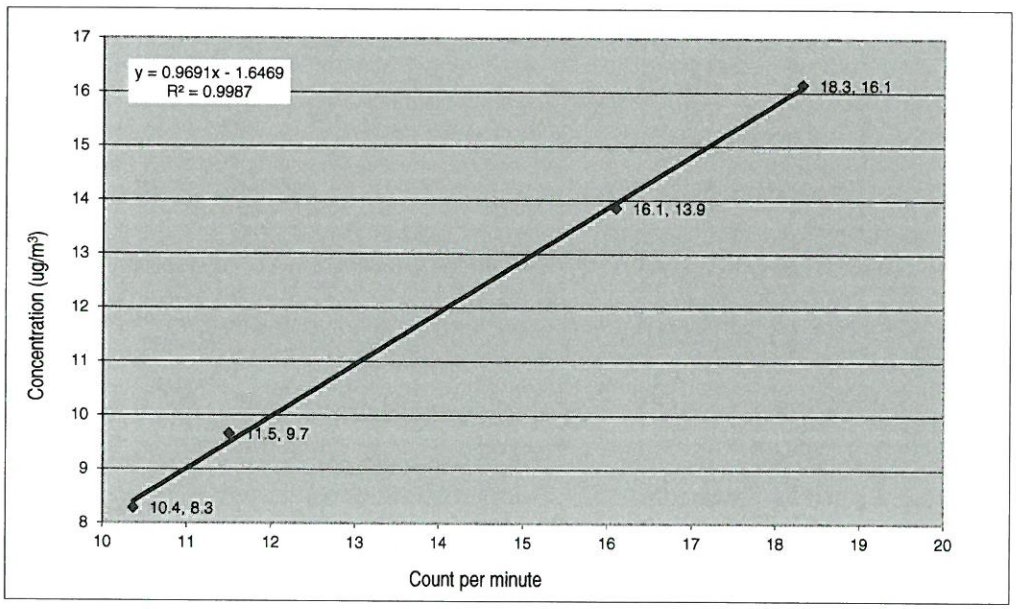
Calibration Result

Sensitivity Adjustment Scale Setting (Before Calibration) :	799 CPM
Sensitivity Adjustment Scale Setting (After Calibration) :	800 CPM

Hour	Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m^3) Y-axis	Total Count	Count/Minute X-axis
				Temp (°C)	R.H. (%)			
1	11-Sep-17	13:51	14:51	33	60%	9.7	690	11.50
2	11-Sep-17	15:01	16:01	33	60%	8.3	622	10.37
3	11-Sep-17	16:05	17:05	33	60%	13.9	966	16.10
4	11-Sep-17	17:05	18:05	33	60%	16.1	1099	18.32

Be Linear Regression of Y or X
Slope (K-factor): 0.9691 Intercept,b: -1.6469
Correlation coefficient (R): 0.9993

Remark: _____



Recorded by: William Chan Signature: _____ Date: 20/10/2017

Checked by: Keith Chau Signature: _____ Date: 20/10/2017

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ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location	**:**	**AMS2(Tung Chung Development Pier)**
Calibrated by	**:**	**P.F.Yeung**
Date	**:**	**17/08/2017**

Sampler

Model	**:**	**TE-5170**
Serial Number	**:**	**S/N3641**

Calibration Orfice and Standard Calibration Relationship

Serial Number	**:**	**2454**
Service Date	**:**	**20 Mar 2017**
Slope (m)	**:**	**2.08464**
Intercept (b)	**:**	**-0.03684**
Correlation Coefficient(r)	**:**	**0.99994**

Standard Condition

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

Calibration Condition

Pa (hpa)	**:**	**1009**
Ta(K)	**:**	**305**

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	12.0	3.438	1.667	53	52.60
2	13 holes	9.4	3.043	1.479	48	47.64
3	10 holes	7.4	2.700	1.316	44	43.67
4	7 holes	4.6	2.129	1.044	37	36.72
5	5 holes	2.8	1.661	0.821	30	29.78

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

Sampler Calibration Relationship

Slope(m):29.760 **Intercept(b):6.714** **Correlation Coefficient(r): 0.9959**

Checked by: Magnum Fan **Date: 21/08/2017**

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ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS2(Tung Chung Development Pier)
Calibrated by : P.F.Yeung
Date : 12/10/2017

Sampler
Model : TE-5170
Serial Number : S/N3641

Calibration Orifice and Standard Calibration Relationship
Serial Number : 2454
Service Date : 20 Mar 2017
Slope (m) : 2.08464
Intercept (b) : -0.03684
Correlation Coefficient(r) : 0.99994

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

Calibration Condition
Pa (hpa) : 1009
Ta(K) : 304

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	11.6	3.404	1.643	55	54.96
2	13 holes	9.3	3.047	1.473	50	49.97
3	10 holes	6.5	2.548	1.234	43	42.97
4	7 holes	4.2	2.048	0.996	36	35.98
5	5 holes	2.8	1.672	0.816	30	29.98

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

Sampler Calibration Relationship

Slope(m):25.567 **Intercept(b): 13.126** **Correlation Coefficient(r): 0.9987**

Checked by: Magnum Fan **Date: 13/10/2017**

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location	**:**	**AECOM Office**
Calibrated by	**:**	**P.F.Yeung**
Date	**:**	**15/08/2017**

Sampler

Model	**:**	**TE-5170**
Serial Number	**:**	**S/N2100**

Calibration Orfice and Standard Calibration Relationship

Serial Number	**:**	**2454**
Service Date	**:**	**20 March 2017**
Slope (m)	**:**	**2.08464**
Intercept (b)	**:**	**-0.036840**
Correlation Coefficient(r)	**:**	**0.99994**

Standard Condition

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

Calibration Condition

Pa (hpa)	**:**	**1007**
Ta(K)	**:**	**304**

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	11.5	3.348	1.624	56	55.28
2	13 holes	9.0	2.961	1.438	49	48.37
3	10 holes	6.2	2.458	1.197	43	42.45
4	7 holes	4.5	2.094	1.022	37	36.52
5	5 holes	2.7	1.622	0.796	28	27.64

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

Sampler Calibration Relationship

Slope(m):32.361 **Intercept(b): 2.724** **Correlation Coefficient(r): 0.9966**

Checked by: Magnum Fan **Date: 16/08/2017**

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AECOM Office
Calibrated by : P.F.Yeung
Date : 12/10/2017

Sampler
Model : TE-5170
Serial Number : S/N2100

Calibration Orifice and Standard Calibration Relationship
Serial Number : 2454
Service Date : 20 Mar 2017
Slope (m) : 2.08464
Intercept (b) : -0.03684
Correlation Coefficient(r) : 0.99994

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

Calibration Condition
Pa (hpa) : 1009
Ta(K) : 304

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	10.4	3.187	1.546	55	54.35
2	13 holes	8.0	2.795	1.358	49	48.42
3	10 holes	5.8	2.380	1.159	45	44.47
4	7 holes	3.9	1.951	0.954	39	38.54
5	5 holes	2.4	1.531	0.752	32	31.62

Sampler Calibration Relationship

Slope(m):27.769 **Intercept(b): 11.435** **Correlation Coefficient(r): 0.9965**

Checked by: Magnum Fan **Date: 13/10/2017**

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ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : Hong Kong SkyCity Marriott Hotel (AMS7)
Calibrated by : P.F.Yeung
Date : 04/09/2017

Sampler
Model : TE-5170
Serial Number : S/N3575

Calibration Orfice and Standard Calibration Relationship
Serial Number : 2454
Service Date : 20 Mar 2017
Slope (m) : 2.08464
Intercept (b) : -0.03684
Correlation Coefficient(r) : 0.99994

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

Calibration Condition
Pa (hpa) : 1005
Ta(K) : 301

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	12.2	3.462	1.678	54	53.52
2	13 holes	9.2	3.006	1.460	50	49.55
3	10 holes	7.0	2.622	1.276	44	43.61
4	7 holes	4.5	2.102	1.026	36	35.68
5	5 holes	2.6	1.598	0.784	28	27.75

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

Sampler Calibration Relationship

Slope(m):29.522 **Intercept(b):5.274** **Correlation Coefficient(r): 0.9953**

Checked by: Magnum Fan **Date: 05/09/2017**

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS7 (HK SkyCity Marriott Hotel)
Calibrated by : P.F.Yeung
Date : 17/10/2017

Sampler
Model : TE-5170
Serial Number : S/N3575

Calibration Orfice and Standard Calibration Relationship
Serial Number : 2454
Service Date : 20 March 2017
Slope (m) : 2.08464
Intercept (b) : -0.036840
Correlation Coefficient(r) : 0.99994

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

Calibration Condition
Pa (hpa) : 1008
Ta(K) : 300

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	11.10	3.312	1.607	53	52.69
2	13 holes	9.00	2.983	1.448	48	47.72
3	10 holes	7.00	2.630	1.279	42	41.76
4	7 holes	4.20	2.038	0.995	35	34.80
5	5 holes	2.50	1.572	0.772	28	27.84

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

Sampler Calibration Relationship

Slope(m):29.332 **Intercept(b): 5.168** **Correlation Coefficient(r): 0.9983**

Checked by: Magnum Fan **Date: 18/10/2017**

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. : C172617
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC17-1041)

Date of Receipt / 收件日期 : 9 May 2017

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

TEST CONDITIONS / 測試條件

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

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 16 May 2017

TEST RESULTS / 測試結果

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

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

Tested By 測試 : H T Wong
Technical Officer

Certified By 核證 : K C Lee
Engineer

Date of Issue 簽發日期 : 16 May 2017

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
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C172617
證書編號

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

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

3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C163709
CL281	Multifunction Acoustic Calibrator	PA160023
TST150A	Measuring Amplifier	C161175

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

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

5.2 Frequency Accuracy

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

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

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

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

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
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

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

Certificate of Calibration
校正證書

Certificate No. : C173906
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC17-1606) Date of Receipt / 收件日期 : 11 July 2017

Description / 儀器名稱 : Acoustical Calibrator
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 4231
Serial No. / 編號 : 3004068
Supplied By / 委託者 : Atkins China Limited
13/F., Wharf T&T Centre, Harbour City,
Tsim Sha Tsui, Kowloon, Hong Kong

TEST CONDITIONS / 測試條件

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

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 17 July 2017

TEST RESULTS / 測試結果

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

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

Tested By 測試 : K C Lee
Engineer

Certified By 核證 : H C Chan
Engineer

Date of Issue 簽發日期 : 17 July 2017

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。

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Certificate of Calibration
校正證書

Certificate No. : C173906
證書編號

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

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

3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C173864
CL281	Multifunction Acoustic Calibrator	PA160023
TST150A	Measuring Amplifier	C161175

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

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

5.2 Frequency Accuracy

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

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

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

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

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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Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

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

Certificate of Calibration
校正證書

Certificate No. : C174927
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC17-1938)

Date of Receipt / 收件日期 : 18 August 2017

Description / 儀器名稱 : Integrating Sound Level Meter
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 2238
Serial No. / 編號 : 2684503
Supplied By / 委託者 : Atkins China Limited
13/F., Wharf T&T Centre, Harbour City,
Tsim Sha Tsui, Kowloon, Hong Kong

TEST CONDITIONS / 測試條件

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

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 30 August 2017

TEST RESULTS / 測試結果

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

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

Tested By 測試 : K C Lee, Engineer

Certified By 核證 : H C Chan, Engineer

Date of Issue 簽發日期 : 31 August 2017

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
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輝創工程有限公司 – 校正及檢測實驗所
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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. : C174927
證書編號

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

2. Self-calibration using laboratory acoustic calibrator was performed before the test from 6.1.1.2 to 6.3.2.

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

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C170048
CL281	Multifunction Acoustic Calibrator	PA160023

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level :

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Self-calibration

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

6.1.1.2 After Self-calibration

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

6.1.2 Linearity

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

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

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
輝創工程有限公司 – 校正及檢測實驗所
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Certificate of Calibration
校正證書

Certificate No. : C174927
證書編號

6.2 Time Weighting

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

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{AFP}	A	F	94.00	63 Hz	67.9	-26.2 ± 1.5
					125 Hz	77.9	-16.1 ± 1.5
					250 Hz	85.5	-8.6 ± 1.4
					500 Hz	90.9	-3.2 ± 1.4
					1 kHz	94.1	Ref.
					2 kHz	95.3	+1.2 ± 1.6
					4 kHz	95.1	+1.0 ± 1.6
					8 kHz	93.0	-1.1 (+2.1 ; -3.1)
					12.5 kHz	89.9	-4.3 (+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{CFP}	C	F	94.00	63 Hz	93.3	-0.8 ± 1.5
					125 Hz	93.9	-0.2 ± 1.5
					250 Hz	94.1	0.0 ± 1.4
					500 Hz	94.1	0.0 ± 1.4
					1 kHz	94.1	Ref.
					2 kHz	93.9	-0.2 ± 1.6
					4 kHz	93.3	-0.8 ± 1.6
					8 kHz	91.0	-3.0 (+2.1 ; -3.1)
					12.5 kHz	87.9	-6.2 (+3.0 ; -6.0)

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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. : C174927
證書編號

Remarks : - UUT Microphone Model No. : 4188 & S/N : 2682524

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :

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

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

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

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

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Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C173907
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC17-1606)

Date of Receipt / 收件日期 : 11 July 2017

Description / 儀器名稱 : Integrating Sound Level Meter
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 2238
Serial No. / 編號 : 2800932
Supplied By / 委託者 : Atkins China Limited
13/F., Wharf T&T Centre, Harbour City,
Tsim Sha Tsui, Kowloon, Hong Kong

TEST CONDITIONS / 測試條件

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

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 17 July 2017

TEST RESULTS / 測試結果

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

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

Tested By 測試 : K C Lee, Engineer

Certified By 核證 : H C Chan, Engineer

Date of Issue 簽發日期 : 17 July 2017

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。

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Certificate of Calibration
校正證書

Certificate No. : C173907
證書編號

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

2. Self-calibration using the B & K Acoustic Calibrator 4231, S/N : 3004068 was performed before the test.

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

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C170048
CL281	Multifunction Acoustic Calibrator	PA160023

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level :

6.1.1 Reference Sound Pressure Level

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

6.1.2 Linearity

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

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

6.2 Time Weighting

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

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 of Calibration
校正證書

Certificate No. : C173907
證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{AFP}	A	F	94.00	63 Hz	67.9	-26.2 ± 1.5
					125 Hz	77.9	-16.1 ± 1.5
					250 Hz	85.4	-8.6 ± 1.4
					500 Hz	90.8	-3.2 ± 1.4
					1 kHz	94.1	Ref.
					2 kHz	95.3	+1.2 ± 1.6
					4 kHz	95.1	+1.0 ± 1.6
					8 kHz	92.9	-1.1 (+2.1 ; -3.1)
					12.5 kHz	89.8	-4.3 (+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (Db)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{CFP}	C	F	94.00	63 Hz	93.3	-0.8 ± 1.5
					125 Hz	93.9	-0.2 ± 1.5
					250 Hz	94.0	0.0 ± 1.4
					500 Hz	94.0	0.0 ± 1.4
					1 kHz	94.0	Ref.
					2 kHz	93.9	-0.2 ± 1.6
					4 kHz	93.2	-0.8 ± 1.6
					8 kHz	90.9	-3.0 (+2.1 ; -3.1)
					12.5 kHz	87.8	-6.2 (+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.
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Certificate of Calibration
校正證書

Certificate No. : C173907
證書編號

Remarks : - UUT Microphone Model No. : 4188 & S/N : 2793199

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :

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

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

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

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

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. : C174926
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC17-1938)

Date of Receipt / 收件日期 : 18 August 2017

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, Hong Kong

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 : 30 August 2017

TEST RESULTS / 測試結果

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

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

Tested By 測試 : K C Lee
Engineer

Certified By 核證 : H C Chan
Engineer

Date of Issue 簽發日期 : 31 August 2017

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。

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Certificate of Calibration
校正證書

Certificate No. : C174926
證書編號

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

2. Self-calibration using laboratory acoustic calibrator was performed before the test from 6.1.1.2 to 6.3.2.

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

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C170048
CL281	Multifunction Acoustic Calibrator	PA160023

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level :

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Self-calibration

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

6.1.1.2 After Self-calibration

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

6.1.2 Linearity

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
50 - 130	L_{AFP}	A	F	94.00	1	94.1 (Ref.)
				104.00		104.0
				114.00		114.0

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

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Certificate of Calibration
校正證書

Certificate No. : C174926
證書編號

6.2 Time Weighting

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

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{AFP}	A	F	94.00	63 Hz	68.0	-26.2 ± 1.5
					125 Hz	77.9	-16.1 ± 1.5
					250 Hz	85.4	-8.6 ± 1.4
					500 Hz	90.8	-3.2 ± 1.4
					1 kHz	94.1	Ref.
					2 kHz	95.3	+1.2 ± 1.6
					4 kHz	95.1	+1.0 ± 1.6
					8 kHz	92.9	-1.1 (+2.1 ; -3.1)
					12.5 kHz	89.8	-4.3 (+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{CFP}	C	F	94.00	63 Hz	93.4	-0.8 ± 1.5
					125 Hz	94.0	-0.2 ± 1.5
					250 Hz	94.1	0.0 ± 1.4
					500 Hz	94.1	0.0 ± 1.4
					1 kHz	94.1	Ref.
					2 kHz	93.9	-0.2 ± 1.6
					4 kHz	93.9	-0.8 ± 1.6
					8 kHz	91.1	-3.0 (+2.1 ; -3.1)
					12.5 kHz	87.9	-6.2 (+3.0 ; -6.0)

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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. : C174926
證書編號

Remarks : - UUT Microphone Model No. : 4188 & S/N : 292904

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :

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

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

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專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Report No. : AG090070
Date of Issue : 13 September, 2017

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Rm 811, Hin Pui House,
Hin Keng Estate, Tai Wai
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment	:	YSI 6920 V2 Sonde (Multi-Parameters)
Manufacturer	:	YSI (a xylem brand)
Serial Number	:	00019CB2
Date of Received	:	Sep 12, 2017
Date of Calibration	:	Sep 12, 2017
Date of Next Calibration[a]	:	Dec 12, 2017

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H^+ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS[b,c]

(1) pH at 25°C

Target (pH unit)	Displayed Reading[d] (pH Unit)	Tolerance[e] (pH Unit)	Results
4.00	3.94	-0.06	Satisfactory
7.42	7.37	-0.05	Satisfactory
10.01	9.98	-0.03	Satisfactory

Tolerance of pH should be less than ±0.10 (pH unit)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

[a] The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
[b] The results relate only to the calibrated equipment as received
[c] The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
[d] "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
[e] The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by QPT or quoted form relevant international standards.

APPROVED SIGNATORY :

FUNG Yuen-ching Aries
Laboratory Manager

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
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Email: info@qualityprotest.com; Website: www.qualityprotest.com
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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Report No. : AG090070
Date of Issue : 13 September, 2017

PART D – CALIBRATION RESULTS (Cont'd)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
16.5	17.2	+0.7	Satisfactory
25.0	25.3	+0.3	Satisfactory
37.0	36.4	-0.6	Satisfactory

Tolerance limit of temperature should be less than ±2.0 (°C)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
8.03	8.09	+0.06	Satisfactory
3.89	3.99	+0.10	Satisfactory
0.02	0.11	+0.09	Satisfactory

Tolerance limit of dissolved oxygen should be less than ±0.20 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)	Results
0.001	146.9	152.4	+3.7	Satisfactory
0.01	1,412	1,530	+8.4	Satisfactory
0.1	12,890	13,648	+5.9	Satisfactory
0.5	58,670	59,342	+1.1	Satisfactory
1.0	111,900	103,422	-7.6	Satisfactory

Tolerance limit of conductivity should be less than ±10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.95	-0.5	Satisfactory
20	19.91	-0.4	Satisfactory
30	29.77	-0.8	Satisfactory

Tolerance limit of salinity should be less than ±10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading[f] (NTU)	Tolerance[g](%)	Results
10	10.9	+9.0	Satisfactory
20	20.1	+0.5	Satisfactory
100	108.3	+8.3	Satisfactory
800	819.4	+2.4	Satisfactory

Tolerance limit of turbidity should be less than ±10.0 (%)

~ END OF REPORT ~

Remark(s): -

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

(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AG090072
Date of Issue : 14 September 2017

PART A – CUSTOMER INFORMATION

Enovative Environmemtal Service Ltd.
Rm 811, Hin Pui House,
Hin Keng Estate, Tai Wai
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment	:	YSI 6920 V2 Sonde (Multi-Parameters)
Manufacturer	:	YSI (a xylem brand)
Serial Number	:	000109DF
Date of Received	:	Sep 12, 2017
Date of Calibration	:	Sep 12, 2017 to Sep 14, 2017
Date of Next Calibration[a]	:	Dec 12, 2017

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H^+ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS[b,c]

(1) pH at 25°C

Target (pH unit)	Displayed Reading[d] (pH Unit)	Tolerance[e](pH Unit)	Results
4.00	4.04	+0.04	Satisfactory
7.42	7.45	+0.03	Satisfactory
10.01	10.07	+0.06	Satisfactory

Tolerance of pH should be less than ±0.10 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
16.5	17.0	+0.5	Satisfactory
25.0	25.5	+0.5	Satisfactory
37.0	36.6	-0.4	Satisfactory

Tolerance limit of temperature should be less than ±2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

[a] *The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.*
[b] *The results relate only to the calibrated equipment as received*
[c] *The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.*
[d] *"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.*
[e] *The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by QPT or quoted form relevant international standards.*

APPROVED SIGNATORY : _____
FUNG Yuen-ching Aries
Laboratory Manager

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AG090072
Date of Issue : 14 September 2017

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
8.05	8.11	+0.06	Satisfactory
3.96	4.04	+0.08	Satisfactory
0.03	0.18	+0.15	Satisfactory

Tolerance limit of dissolved oxygen should be less than ±0.20 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)	Results
0.001	146.9	152.4	+3.7	Satisfactory
0.01	1,412	1346	-4.7	Satisfactory
0.1	12,890	13382	+3.8	Satisfactory
0.5	58,670	59964	+2.2	Satisfactory
1.0	111,900	108242	-3.3	Satisfactory

Tolerance limit of conductivity should be less than ±10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.92	-0.8	Satisfactory
20	19.88	-0.6	Satisfactory
30	29.79	-0.7	Satisfactory

Tolerance limit of salinity should be less than ±10.0 (%)

(6) Turbidity[f]

Expected Reading (NTU)	Displayed Reading[g] (NTU)	Tolerance[h] (%)	Results
10	10.2	+2.0	Satisfactory
20	20.8	+4.0	Satisfactory
100	108.4	+8.4	Satisfactory
800	822.0	+2.8	Satisfactory

Tolerance limit of turbidity should be less than ±10.0 (%)

~ END OF REPORT ~

Remark(s): -

(f) Recalibration of specified parameter was conducted on 14 September 2017.

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

(h) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AG090067
Date of Issue : 13 September 2017

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Rm 811, Hin Pui House,
Hin Keng Estate, Tai Wai
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment	:	YSI ProDSS (Multi-Parameters)
Manufacturer	:	YSI (a xylem brand)
Serial Number	:	17E102521
Date of Received	:	Sep 12, 2017
Date of Calibration	:	Sep 12, 2017
Date of Next Calibration[a]	:	Dec 12, 2017

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H^+ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS[b,c]

(1) pH at 25°C

Target (pH unit)	Displayed Reading[d] (pH Unit)	Tolerance[e](pH Unit)	Results
4.00	4.09	+0.09	Satisfactory
7.42	7.38	-0.04	Satisfactory
10.01	9.94	-0.07	Satisfactory

Tolerance of pH should be less than ±0.10 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
16.5	16.9	+0.4	Satisfactory
25.0	25.2	+0.2	Satisfactory
37.0	36.4	-0.6	Satisfactory

Tolerance limit of temperature should be less than ±2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

[a] *The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.*
[b] *The results relate only to the calibrated equipment as received*
[c] *The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.*
[d] *"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.*
[e] *The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by QPT or quoted form relevant international standards.*

APPROVED SIGNATORY : _____
FUNG Yuen-ching Aries
Laboratory Manager

專業化驗有限公司
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CALIBRATION REPORT

Report No. : AG090067
Date of Issue : 13 September 2017

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
8.03	7.95	-0.08	Satisfactory
3.76	3.84	+0.08	Satisfactory
0.02	0.12	+0.10	Satisfactory

Tolerance limit of dissolved oxygen should be less than ±0.20 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)	Results
0.001	146.9	151.6	+3.2	Satisfactory
0.01	1,412	1,340	-5.1	Satisfactory
0.1	12,890	12,006	-6.9	Satisfactory
0.5	58,670	57,088	-2.7	Satisfactory
1.0	111,900	105,890	-5.4	Satisfactory

Tolerance limit of conductivity should be less than ±10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.95	-0.5	Satisfactory
20	20.30	+1.5	Satisfactory
30	30.31	+1.0	Satisfactory

Tolerance limit of salinity should be less than ±10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading[f] (NTU)	Tolerance[g](%)	Results
10	9.6	-4.0	Satisfactory
20	19.3	-3.5	Satisfactory
100	98.7	-1.3	Satisfactory
800	781.2	+2.3	Satisfactory

Tolerance limit of turbidity should be less than ±10.0 (%)

~ END OF REPORT ~

Remark(s): -

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

(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AG090069
Date of Issue : September 13, 2017

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Rm 811, Hin Pui House,
Hin Keng Estate, Tai Wai
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment	:	YSI ProDSS (Multi-Parameters)
Manufacturer	:	YSI (a xylem brand)
Serial Number	:	16J101716
Date of Received	:	Sep 12, 2017
Date of Calibration	:	Sep 12, 2017
Date of Next Calibration[a]	:	Dec 12, 2017

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H^+ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS[b,c]

(1) pH at 25°C

Target (pH unit)	Displayed Reading[d] (pH Unit)	Tolerance[e](pH Unit)	Results
4.00	4.04	+0.04	Satisfactory
7.42	7.37	-0.05	Satisfactory
10.01	10.04	+0.03	Satisfactory

Tolerance of pH should be less than ±0.10 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
16.5	17.2	+0.7	Satisfactory
25.0	25.3	+0.3	Satisfactory
37.0	36.7	-0.3	Satisfactory

Tolerance limit of temperature should be less than ±2.0 (°C)

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Remark(s): -

[a] The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
[b] The results relate only to the calibrated equipment as received
[c] The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
[d] "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
[e] The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by QPT or quoted form relevant international standards.

APPROVED SIGNATORY :

FUNG Yuen-ching Aries
Laboratory Manager

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AG090069
Date of Issue : September 13, 2017

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
8.04	7.98	-0.06	Satisfactory
3.63	3.72	+0.09	Satisfactory
0.01	0.06	+0.05	Satisfactory

Tolerance limit of dissolved oxygen should be less than ±0.20 (mg/L)

(4) Conductivity at 25°C

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)	Results
146.9	140.4	-4.4	Satisfactory
1412	1322	-6.4	Satisfactory
12890	12064	-6.4	Satisfactory
58670	57032	-2.8	Satisfactory
111900	107344	-4.1	Satisfactory

Tolerance limit of conductivity should be less than ±10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.17	+1.7	Satisfactory
20	20.20	+1.0	Satisfactory
30	30.07	+2.3	Satisfactory

Tolerance limit of salinity should be less than ±10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading[f] (NTU)	Tolerance[g](%)	Results
10	9.7	-3.0	Satisfactory
20	19.0	-5.0	Satisfactory
100	101.1	+1.1	Satisfactory
800	814.6	+1.8	Satisfactory

Tolerance limit of turbidity should be less than ±10.0 (%)

~ END OF REPORT ~

Remark(s): -

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

(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

APPENDIX H

Event and Action Plan

Event/Action Plan for Air Quality Monitoring

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
ACTION LEVEL				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and ER; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method.	1. Notify Contractor.	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
2. Exceedance for two or more consecutive samples	1. Identify source; 2. Inform IEC and ER; 3. Advise the ER on the effectiveness of the proposed remedial measures; 4. Repeat measurement s 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 ER; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Submit proposals for remedial to ER within 3 working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
LIMIT LEVEL				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform ER, 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 ER informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.
2. Exceedance for two or more consecutive samples	1. Notify IEC, ER, 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 ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Event / Action Plan for Construction Noise Monitoring

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

Event / Action Plan for Water Quality Monitoring

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action level being exceeded by one sampling day	1. Repeat in situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, contractor and ER; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Repeat measurement on next day of exceedance to confirm findings.	1. Check monitoring data submitted by ET and Contractor's working methods; 2. Discuss with ET and Contractor on possible remedial actions; 3. Review the proposed mitigation measures submitted by Contractor and advise the ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of non-compliance in writing; 2. Discuss with IEC on the proposed mitigation measures; 3. Make agreement on mitigation measures to be implemented; 4. Ensure mitigation measures are properly implemented.	1. Inform the ER 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. Discuss with ET and IEC on possible remedial actions and propose mitigation measures to IEC and ER; 5. Implement the agreed mitigation measures. 6. Amend working methods if appropriate.
Action level being exceeded by two or more consecutive sampling days	1. Repeat in situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, Contractor and ER; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Action level; 8. Repeat measurement on next day of exceedance to confirm findings.	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 ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of non-compliance in writing; 2. Discuss with IEC on the proposed mitigation measures; 3. Make agreement on mitigation measures to be implemented; 4. Ensure mitigation measures are properly implemented; 5. Assess the effectiveness of the implemented mitigation measures.	1. Inform the Engineer and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment and consider changes of working methods; 4. Discuss with ET and IEC on possible remedial actions and propose mitigation measures to IEC and ER within 3 working days of notification; 5. Implement the agreed mitigation measures; 6. Amend working methods if appropriate.

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Limit level being exceeded by one sampling day	1. Repeat *in-situ* measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, Contractor, ER and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit level.	1. Check monitoring data submitted by ET and Contractor's working method; 2. Discuss with ET and Contractor on possible remedial actions; 3. Review the proposed mitigation measures submitted by Contractor and advise the ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	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 critically review the working methods; 4. Ensure mitigation measures are properly implemented; 5. Assess the effectiveness of the implemented mitigation measures.	1. Inform the ER 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 ER within 3 working days of notification and discuss with ET, IEC and ER; 5. Implement the agreed mitigation measures; 6. Amend working methods if appropriate.
Limit level being exceeded by two or more consecutive sampling days	1. Repeat *in-situ* measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, contractor, ER and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days.	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 ER accordingly.	1. Confirm receipt of notification of failure in writing; 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Request Contractor to critically review the working methods; 4. Make agreement on the mitigation measures to be implemented; 5. Ensure mitigation measures are properly implemented; 6. Assess the effectiveness of the implemented mitigation measures; 7. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level.	1. Inform the ER and confirm notification of the non-compliance in writing; 2. Take immediate action to avoid further exceedance; 3. Rectify unacceptable practice; 4. Check all plant and equipment and consider changes of working methods; 5. Submit proposal of mitigation measures to ER within 3 working days of notification and discuss with ET, IEC and ER; 6. Implement the agreed mitigation measures; 7. Resubmit proposals of mitigation measures if problem still not under control; 8. 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 / Action Plan for Dolphin Monitoring

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action Level	1. Repeat statistical data analysis to confirm findings; 2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences; 3. Identify source(s) of impact; 4. Inform the IEC, ER/SOR and Contractor; 5. Check monitoring data. 6. Review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary.	1. Check monitoring data submitted by ET and Contractor; 2. Discuss monitoring results and finding with the ET and the Contractor.	1. Discuss monitoring with the IEC and any other measures proposed by the ET; 2. If ER/SOR is satisfied with the proposal of any other measures, ER/SOR to signify the agreement in writing on the measures to be implemented.	1. Inform the ER/SOR and confirm notification of the non-compliance in writing; 2. Discuss with the ET and the IEC and propose measures to the IEC and the ER/SOR; 3. Implement the agreed measures.

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Limit Level	1. Repeat statistical data analysis to confirm findings; 2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences; 3. Identify source(s) of impact; 4. Inform the IEC, ER/SOR and Contractor of findings; 5. Check monitoring data; 6. Repeat review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary. 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.	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 implementation of additional monitoring and/or any other mitigation measures and advise ER/SOR the results and findings accordingly.	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 and/or any other mitigation measures.	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.

APPENDIX I

Waste Flow Table

Name of Department: Highways Department

Contract No.: HY/2013/01

Leighton - Chun Wo Joint Venture

Monthly Summary Waste Flow Table for 2017

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	a.Total Quantity Generated (see Note 8)	b. Hard Rock and Large Broken Concrete (see Note 9)	c. Reused in the Contract	d. Reused in Other Projects	e. Disposed as Public Fill (see Note 10)	f. Imported Fill	g. Metals (see Note 5)	h. Paper / Cardboard Packaging (see Note 5)	i. Plastics (see Note 3) (see Note 5)	j. Chemical Waste	k. Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
January	0.046	0.046	0.000	0.000	0.046	0.000	55.920	1.564	0.000	0.000	0.707
February	0.364	0.364	0.000	0.000	0.364	0.000	56.790	1.785	0.000	0.000	0.625
March	0.957	0.957	0.000	0.000	0.957	3.152	85.350	1.477	0.000	0.000	0.813
April	0.487	0.487	0.000	0.000	0.487	30.030	144.450	1.412	0.000	0.090	0.709
May	1.807	1.807	0.000	0.000	1.807	0.000	46.300	0.000	0.000	0.000	0.737
June	3.140	3.140	0.000	0.000	3.140	0.000	117.810	0.000	0.000	0.000	0.595
Sub-total	6.801	6.801	0.000	0.000	6.801	33.182	506.620	6.238	0.000	0.090	4.186
July	1.780	1.780	0.000	0.000	1.780	0.000	177.660	2.856	0.000	0.800	0.664
August	1.190	1.190	0.000	0.000	1.190	0.000	21.140	1.168	0.000	0.000	0.740
September	0.679	0.679	0.000	0.000	0.679	0.000	36.090	1.516	0.000	0.000	1.015
October	0.372	0.410	0.000	0.000	0.372	0.000	8.310	0.000	0.000	0.000	1.200
November											
December											
Total	10.822	10.860	0.000	0.000	10.822	33.182	749.820	11.778	0.000	0.890	7.805

Total C&D waste generated = a+b+f+g+h+i+j+k

Total C&D waste generated (excluded excavated material) = g+h+i+j+k

Total C&D waste recycled = c+d+g+h+i

% of recycled C&D waste = (Total C&D waste generated - Total C&D waste recycled) / Total C&D waste generated

Notes:
(1) The performance target are given in PS Clause 6(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 recycling.
(6) Conversion factors for reporting purpose:
in-situ: rock = 2.5 tonnes/m^3; soil = 2.0 tonnes/m^3
excavated: rock = 2.0 tonnes/m^3; soil = 1.8 tonnes/m^3; broken concrete and bitumen = 2.4 tonnes/m^3
C&D Waste = 0.9 tonnes/m^3; bentonite slurry = 2.8 tonnes/m^3
Diesel density: 0.8kg/l
(7) Numbers are rounded off to the nearest three decimal places
(8) The "Total Quantity Generated" equals to the sum of "Reuse in the Contract", "Reuse in Other Projects" and "Disposed as Public Fill"
(9) The "Hard Rock and Large Broken Concrete" were disposed as public fill
(10) The amount in "Disposed as Public Fill" included the "Hard Rock and Large Broken Concrete" disposed as public fill

APPENDIX J

Environmental Licenses and Permits

Environmental License/ Permits /Notification Register

Contract No. HY/2013/01 – Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Date : October 2017

Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
1.	All Areas	29 Jul 2013	N/A	Environmental Permit for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities	EP-353/2009/G	6 Aug 2013	N/A	EPD	Superseded by EP-353/2009/H
2.	All Areas	16 Jan 2015	N/A	Environmental Permit for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities	EP-353/2009/H	19 Jan 2015	N/A	EPD	Superseded by EP-353/2009/I
3.	All Areas	30 Jun 2015	N/A	Environmental Permit for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities	EP-353/2009/I	17 Jul 2015	N/A	EPD	Superseded by EP-353/2009/J
4.	All Areas	18 Feb 2016	N/A	Environmental Permit for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities	EP-353/2009/J	25 Feb 2016	N/A	EPD	Superseded by EP-353/2009/K
5.	All Areas	24 Mar 2016	N/A	Environmental Permit for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities	EP-353/2009/K	11 Apr 2016	N/A	EPD	-
6.	All Areas	29 Apr 2014	H2620-LTR-EPD-AU-000006	**Billing Account** for disposal of construction waste	Billing Account No.: 7019944	16 May 2014	N/A	EPD	-

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Date : October 2017

Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
7.	PCB	30 Apr 2014	H2620-LTR- EPD-000002	**Notification** that notifiable works are anticipated to commence (Form NA).	Acknowledge Receipt Ref. No. 373961	5 May 2014	N/A	EPD	-
8.	WA2	30 Apr 2014	H2620-LTR- EPD-000003	**Notification** that notifiable works are anticipated to commence (Form NA).	Acknowledge Receipt Ref. No. 373956	5 May 2014	N/A	EPD	-
9.	WA3	30 Apr 2014	H2620-LTR-EPD-AU-000001	**Notification** that notifiable works are anticipated to commence (Form NA).	Acknowledge Receipt Ref. No. 373962	5 May 2014	N/A	EPD	-
10.	PCB	30 May 2014	H2620-LTR-EPD-AU-000020	**Registration** as Chemical Waste Producer for disposal of spent batteries, used lubrication oil and surplus paint at PCB area	WPN: 5213-951-L2846-01	8 Jul 2014	N/A	EPD	-
11.	PCB	23 Jun 2014	In H2620-LTR-EPD-000017	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0683-14	3 Jul 2014	29 Dec 2014	EPD	Superseded by GW-RS0908-14

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Date : October 2017

Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
12.	WA2	2 Jul 2014	H2620-LTR-LCJ-AU-000280	**CNP** for the use of powered mechanical equipment for the purpose of carry out ER Office construction works from 19:00 to 23:00. (Non-designated area)	GW-RS0715-14	17 Jul 2014	15 Jan 2015	EPD	Superseded by GW-RS1034-14
13.	WA3	2 Jul 2014	H2620-LTR-LCJ-AU-000324	**CNP** for the use of powered mechanical equipment for the purpose of carry out construction of JV site office from 19:00 to 23:00. (Non-designated)	GW-RS0716-14	17 Jul 2014	15 Jan 2015	EPD	Expired
14.	PCB	23 Jun 2014	H2620-LTR- EPD-000527	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0908-14	3 Sep 2014	22 Dec 2014	EPD	Superseded by GW-RS1044-14
15.	PCB	29 Sep 2014	H2620-LTR-EPD-AU-000034	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS1044-14	29 Sep 2014	24 Dec 2014	EPD	Superseded by GW-RS1300-14

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Date : October 2017

Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
16.	WA2	12 Sep 2014	H2620-LTR-EPD-AU-000032	**CNP** for the use of powered mechanical equipment for the purpose of carry out ER Office construction works from 19:00 to 23:00. (Non-designated area)	GW-RS1034-14	29 Sep 2014	28 Mar 2015	EPD	Expired
17.	WA4	17 Oct 2014	H2620-LTR-EPD-AU-000036	**CNP** for the use of powered mechanical equipment from 19:00 to 23:00. (Non-designated area)	GW-RW0814-14	20 Oct 2014	19 Apr 2015	EPD	Expired and replaced by GW-RW0171-15
18.	PCB	3 Nov 2014	H2620-LTR-EPD-AU-000040	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS1300-14	17 Nov 2014	16 Feb 2015	EPD	Superseded by GW-RS0087-15
19.	PCB	12 Jan 2015	H2620-LTR-EPD-AU-000046	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0087-15	26 Jan 2015	25 Apr 2015	EPD	Superseded by GW-RS0308-15

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Date : October 2017

Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
20.	PCB	12 Mar 2015	H2620-LTR-EPD-AU-000051	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0308-15	26 Mar 2015	25 Jun 2015	EPD	Superseded by GW-RS0476-15
21.	PCB	31 Jul 2014	H2620-LTR-EPD-AU-000038	**Water Discharge License** for construction works on PCB island	WT00020335-2014	13 Nov 2014	30 Nov 2019	EPD	-
22.	WA4	27 Mar 2015	H2620-LTR-EPD-AU-000054	**CNP** for the use of powered mechanical equipment from 19:00 to 23:00. (Non-designated area)	GW-RW0171-15	20 Apr 2015	19 Oct 2015	EPD	Superseded by GW-RW0351-15
23.	PCB	15 Apr 2015	H2620-LTR-EPD-AU-000057	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0476-15	1 May 2015	31 Jul 2015	EPD	Superseded by GW-RS0685-15

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	Work Area	Date	Reference						
24.	PCB	9 Jun 2015	H2620-LTR-EPD-AU-000063	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0685-15	1 Jul 2015	30 Sep 2015	EPD	Superseded by GW-RS0877-15
25.	WA4	29 Jun 2015	H2620-LTR-EPD-AU-000066	**CNP** for the use of powered mechanical equipment from 19:00 to 23:00. (Non-designated area)	GW-RW0351-15	17 Jul 2015	12 Jan 2016	EPD	Expired. Replaced by GW-RW0003-16
26.	PCB	27 Jul 2015	H2620-LTR-EPD-AU-000069	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0877-15	10 Aug 2015	09 Nov 2015	EPD	Superseded by GW-RS1016-15
27.	PCB	2 Sep 2015	H2620-LTR-EPD-AU-000072	**CNP** for the use of powered mechanical equipment for the purpose of carry out pre-drill and bore piling works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS1016-15	18 Sep 2015	17 Dec 2015	EPD	Superseded by GW-RS1195-15

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Date : October 2017

Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
28.	PCB	22 Oct 2015	H2620-LTR-EPD-AU-000075	**CNP** for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS1195-15	9 Nov 2015	8 Feb 2016	EPD	Superseded by GW-RS1444-15
29.	PCB	17 Dec 2015	H2620-LTR-EPD-AU-000076	**CNP** for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS1444-15	31 Dec 2015	30 Mar 2016	EPD	Superseded by GW-RS0191-16
30.	WA4	24 Dec 2015	H2620-LTR-EPD-AU-000080	**CNP** for the use of powered mechanical equipment from 19:00 to 23:00. (Non-designated area)	GW-RW0003-16	13 Jan 2016	6 Jul 2016	EPD	Superseded by GW-RW0394-16
31.	PCB	17 Feb 2016	H2620-LTR-EPD-AU-000083	**CNP** for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0191-16	3 Mar 2016	2 Jun 2016	EPD	Superseded by GW-RS0543-16

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Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
32.	PCB	18 May 2016	H2620-LTR-EPD-AU-000086	**CNP** for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0543-16	2 Jun 2016	1 Sep 2016	EPD	Superseded by GW-RS0879-16
33.	WA4	20 Jun 2016	H2620-LTR-EPD-AU-000089	**CNP** for the use of powered mechanical equipment from 19:00 to 23:00. (Non-designated area)	GW-RW0394-16	7 Jul 2016	6 Jan 2017	EPD	Superseded by GW-RW0742-16
34.	PCB	09 Aug 2016	H2620-LTR-EPD-AU-000092	**CNP** for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0879-16	23 Aug 2016	22 Dec 2016	EPD	Superseded by GW-RS1193-16
35.	PCB	16 Nov 2016	H2620-LTR-EPD-AU-000094	**CNP** for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS1193-16	30 Nov 2016	29 May 2017	EPD	Superseded by GW-RS0005-17
36.	WA4	17 Dec 2016	H2620-LTR-EPD-AU-000100	**CNP** for the use of powered mechanical equipment from 19:00 to 23:00. (Non-designated area)	GW-RW0742-16	7 Jan 2017	6 Jul 2017	EPD	Superseded by GW-RW0341-17

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Date : October 2017

Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
37.	PCB	19 Dec 16	H2620-LTR-EPD-AU-000103	**CNP** for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0005-17	6 Jan 2017	5 Jul 2017	EPD	Superseded by GW-RS0461-17
38.	WA3	30 Dec 16	H2620-LTR-EPD-AU-000102	**CNP** for the use of powered mechanical equipment for the purpose of carry out construction of JV site office from 19:00 to 23:00. (Non-designated area)	GW-RS0015-17	12 Jan 2017	11 Jul 2017	EPD	Superseded by GW-RS0587-17
39.	PCB	12 May 17	H2620-LTR-EPD-AU-000106	**CNP** for the use of powered mechanical equipment for the purpose of carry out works from 19:00 to 23:00 and 23:00 to 07:00. (Non-designated area)	GW-RS0461-17	25 May 2017	24 Nov 2017	EPD	-
40.	WA3	22 Jun 17	H2620-LTR-EPD-AU-000113	**CNP** for the use of powered mechanical equipment for the purpose of carry out construction of JV site office from 19:00 to 23:00. (Non-designated)	GW-RS0587-17	12 Jul 2017	11 Jan 2018	EPD	-

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Date : October 2017

Item No.	Permit/License or Registration Application			Permit/License/ Notification/ Registration Description	Permit/License/ Registration Number	Issue/Start Date	Expiry Date	Issuing Office	Remark
	Work Area	Date	Reference						
41.	WA4	19 Jun 17	H2620-LTR-EPD-AU-000112	**CNP** for the use of powered mechanical equipment from 19:00 to 23:00. (Non-designated area)	GW-RW0341-17	10 Jul 2017	6 Jan 2018	EPD	-

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APPENDIX K

Implementation Schedule for Environmental Mitigation Measures (EMIS)

Contract No. HY/2013/01 – Hong Kong Zhuhai and Macao Bridge Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Implementation Schedule for Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	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	To control the dust impact to within the HKAQO and TM-EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 μgm^{-3} and 260 μgm^{-3}, respectively)	√
S5.5.6.2	A2	2) Proper watering of exposed spoil should be undertaken throughout the construction phase: • Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; • Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; • A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones. • The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle; • Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; • 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;	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	To control the dust impact to within the HKAQO and TM-EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 μgm^{-3} and 260 μgm^{-3}, respectively)	√ √ √ √ √ √ √ √

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?	What requirements or standards for the measures to achieve?	Implementation Status
S5.5.6.2	A2	• 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 pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides; • 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	To control the dust impact to within the HKAQO and TM-EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 μgm^{-3} and 260 μgm^{-3}, respectively)	√ √ √ √ √ √
S5.5.6.4	A3	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	To control the dust impact	√
S5.5.6.5	A4	Engineer to incorporate the controlled measures into the Particular Specification (PS) for the civil work. The PS should also draw the contractor's attention to the relevant latest Practice Notes issued by EPD.	Control construction dust	Engineer	All construction sites	Design Stage	Air Pollution Control (Construction Dust) Regulation	√

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?	What requirements or standards for the measures to achieve?	Implementation Status
S5.5.6.5	A5	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	• Air Pollution Control (Construction Dust) Regulation •To control the dust impact to within the HKAQO and TM-EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 μgm^{-3} and 260 μgm^{-3}, respectively)	√ (The dust monitoring works (Station AMS6) under EM&A programme for the Contract is covered by Contract No. HY/2011/03. Monitoring stations AMS2, AMS3B and AMS7 for the Contract are covered by Contract No. HY/2013/01)
S5.5.7.1	A6	The following mitigation measures should be adopted to prevent fugitive dust emissions for concrete batching plant: • Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system; • All dust-laden air or waste gas generated by the process operations should be properly extracted and vented to fabric filtering system to meet the emission limits for TSP; • Vents for all silos and cement/pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system; • The materials which may generate airborne dusty emissions should be wetted by water spray system; • All receiving hoppers should be enclosed on three sides up to 3m above unloading point; • All conveyor transfer points should be totally enclosed; • All access and route roads within the premises should be paved and wetted; and • Vehicle cleaning facilities should be provided and used by all concrete trucks before leaving the premises to wash off any dust on the wheels and/or body.	Monitor the 24 hr and 1hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria throughout the construction period.	Contractor	Selected representative dust monitoring station	Construction stage	• Air Pollution Control (Construction Dust) Regulation •To control the dust impact to within the HKAQO and TM-EIA criteria (Ref. 1- hr and 24hr TSP levels are 500 μgm^{-3} and 260 μgm^{-3}, respectively)	N/A
S5.5.2.7	A7	The following mitigation measures should be adopted to prevent fugitive dust emissions at barging point: • All road surface within the barging facilities will be paved; • Dust enclosures will be provided for the loading ramp; • Vehicles will be required to pass through designated wheels wash facilities; and • Continuous water spray at the loading points.	Control construction dust	Contractor	All construction sites	Construction stage	Air Pollution Control (Construction Dust) Regulation	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?	What requirements or standards for the measures to achieve?	Implementation Status
Construction Noise (Air borne)								
S6.4.10	N1	1) Use of good site practices to limit noise emissions by considering the following: • only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; • machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; • silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works; • mobile plant should be sited as far away from NSRs as possible and practicable; • material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.	Control construction airborne noise by means of good site practices	Contractor	All construction sites	Construction stage	Noise Control Ordinance	√ √ √ √ √ √
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	• Noise Control Ordinance • Annex 5, TM-EIA	N/A
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	• Noise Control Ordinance • Annex 5, TM-EIA • 75dB(A) for residential premises • The movable barrier should achieve at least 5dB(A) and the full enclosure should be designed to achieve 10dB(A)	N/A

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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	• Noise Control Ordinance & its TM • Annex 5, TM-EIA	√
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	• Noise Control Ordinance • Annex 5, TM-EIA	√
S6.4.14	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	• Noise Control Ordinance • Annex 5, TM-EIA • 75dB(A) for residential premises	√ (ET of Contract No. HY/2013/01 is responsible conducting monitoring for entire HKBCF)
Sediment								t
S7.3	S1	1) The requirements as recommended in ETWB TC 34/2002 Management of Dredged/Excavated Sediment shall be included in the Particular Specification as appropriate.	Develop sediment disposal arrangement	Engineer	All construction sites	Design stage	• Waste Disposal Ordinance • ETW B TC 34/2002	N/A .
Waste Management (Construction Waste)								
S8.3.8	WM1	*Construction and Demolition Material* The following mitigation measures should be implemented in handling the waste: • Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; • Carry out on-site sorting; • Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; • Adopt 'Selective Demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; • Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and	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	• Land (Miscellaneous Provisions) Ordinance • Waste Disposal Ordinance • ETW BTC 19/2005	√ √ √ √ √

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?	What requirements or standards for the measures to achieve?	Implementation Status
S8.3.8	WM1	• Implement an enhanced Waste Management Plan similar to ETW BTC (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.	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	•	√ √
S8.3.9-S8.3.11	WM2	*C&D Waste* • Standard formwork or pre-fabrication should be used as far as practicable in order to minimise the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage. • The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage.	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	• Land (Miscellaneous Provisions) Ordinance • Waste Disposal Ordinance • ETWB TC 19/2005	√ √
S8.2.12-S8.3.15	WM3	*Chemical Waste* • Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. • Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation. • The storage area for chemical wastes should be clearly labelled 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.	Control the chemical waste and ensure proper storage, handling and disposal.	Contractor	All construction sites	Construction stage	• Waste Disposal (Chemical Waste) General) Regulation • Code of Practice on the Packaging, Labelling and Storage of Chemical Waste	√ √ √

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?	What requirements or standards for the measures to achieve?	Implementation Status
S8.2.12-S8.3.15	WM3	• 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		√
S8.3.16	WM4	*Sewage* • Adequate numbers of portable toilets should be provided for the workers. The portable toilets should be maintained in a state, which will not deter the workers from utilizing these portable toilets. Night soil should be collected by licensed collectors regularly.	Proper handling of sewage from worker to avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	• Waste Disposal Ordinance	√
S8.3.17	WM5	*General Refuse* • General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. • A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. • Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. • Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. In addition, waste separation facilities for paper, aluminum cans, plastic bottles etc., should be provided. • Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including reduction, reuse and recycling of wastes.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	• Waste Disposal Ordinance	√ √ √ √ √

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?	What requirements or standards for the measures to achieve?	Implementation Status
Water Quality (Construction Phase)								
S.9.11.1.7	W1	Mitigation during the marine works to reduce impacts to within acceptable levels have been recommended and will comprise a series of measures that restrict the method and sequencing of backfilling, as well as protection measures. Details of the measures are provided below: • Reclamation filling for the Project shall not proceed until at least 200m of leading seawall at the reclamation area formed above +2.2mPD, unless otherwise agreement was obtained from EPD, except for the 300m gaps for marine access. All underwater filling works shall be carried out behind seawalls to avoid dispersion of suspended solids outside the Project limit;	To control construction water quality	Contractor	During filling	Construction stage	TM-EIAO	√
S.9.11.1.7	W1	• Except for the filling of the cellular structures, not more than 15% public fill shall be used for reclamation filling below +2.5mPD during construction of the seawall; • After the seawall is completed except for the 300m marine access as indicated in the EPs, not more than 30% public fill shall be used for reclamation filling below +2.5mPD, unless otherwise agreement from EPD was obtained; • Upon completion of 200m leading seawall, no more than a total of 60 filling barge trips per day shall be made with a cumulative maximum daily filling rate of 60,000 m3 for HKBCF and TMCLKL southern landfall reclamation during the filling operation; and • Upon completion of the whole section of seawall except for the 300m marine access as indicated in the EPs, no more than a total of 190 filling barge trips per day shall be made with a cumulative maximum daily filling rate of 190,000 m3 for the remaining filling operations for HKBCF and TMCLKL southern landfall reclamation. • Floating type perimeter silt curtains shall be around the HKBCF site before the commencement of marine works. Staggered layers of silt curtain shall be provided to prevent sediment loss at navigation accesses. The length of each staggered layers shall be at least 200m; • Single layer silt curtain to be applied around the North-east airport water intake; • The silt-curtains should be maintained in good condition to ensure the sediment plume generated from filling be confined effectively within the site boundary; • The filling works shall be scheduled to spread the works evenly over a working day; • Cellular structure shall be used for seawall construction; • A layer of geotextile shall be placed on top of the seabed before any filling activities take place inside the cellular structures to form the seawall;	To control construction water quality	Contractor	During filling	Construction stage	TM-EIAO	√ √ √ √ √ √ √ √ √ √ √

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S.9.11.1.7	W1	• The conveyor belts shall be fitted with windboards and conveyor release points shall be covered with curtain to prevent any spillage of filling materials onto the surrounding waters; and • An additional layer of silt curtain shall be installed near the active stone column installation points. A layer of geotextile with stone blanket on top shall be placed on the seabed prior to stone column installation works.	To control construction water quality	Contractor	During filling	Construction stage	TM-EIAO	√ √
S.9.11.1.7	W2	<u>Land Works</u> General construction activities on land should also be governed by standard good working practice. Specific measures to be written into the works contracts should include: • wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters;	To control construction water quality	Contractor	Land-based works areas	Construction stage	TM-EIAO	√
S.9.11.1.7	W2	• sewage effluent and discharges from on-site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided; • storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks; • silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly, including specifically at the onset of and after each rainstorm; • temporary access roads should be surfaced with crushed stone or gravel; • rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; • measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system; • open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms; • manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers; • discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system;	To control construction water quality	Contractor	Land-based works areas	Construction stage	TM-EIAO	√ √ √ √ √ √ √ √

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S9.11.1.7	W2	• all vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit; • wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain; • the section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel; • wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects; • vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal; • the contractors shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately; • waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance; • all fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank; and • surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.	To control construction water quality	Contractor	Land-based works areas	Construction stage	TM-EIAO	√ √ √ √ √ √ √ √ √
S.9.14	W3	• Implement a water quality monitoring programme.	To control water quality	Contractor	Selected representative water quality monitoring station	Construction stage	• TM-EIAO • Water Pollution Control Ordinance	√ (ET of ContractNo. HY/2013/01 is responsible conducting monitoring for entire HKBCF)

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?	What requirements or standards for the measures to achieve?	Implementation Status
Ecology (Construction Phase)								
S10.7	E1	• Install silt curtain during the construction • Limit works fronts • Construct seawall prior to reclamation filling where practicable • Good site practices • Strict enforcement of no marine dumping • Site runoff control • Spill response plan	Prevent Sedimentation from Land-based works areas	Contractor	Seawall, reclamation area	During construction	TM-Water	√ √ √ √ √ √ √
S10.7	E2	• 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	TM-Water	√
S10.7	E3	• 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	TM-Water	√
S10.7	E4	• Dolphin Exclusion Zone • Dolphin Watching plan	Minimise marine traffic disturbance on dolphins	Contractor	Marine Works	During construction	TM-Water	√ √
S10.7	E5	• Decouple compressors and other equipment on working vessels • Proposal on design and implementation of acoustic decoupling measures applied during reclamation works • Avoidance of percussive piling	Minimise marine traffic disturbance on dolphins	Contractor	Marine Works	During construction	TM-Water	√ √ √
S10.7	E6	• Control vessel speed • Skipper training • Predefined and regular routes for working vessels; avoid Brother Islands.	Minimise marine traffic disturbance on dolphins	Contractor	Marine Traffic	During construction	TM-Water	√ √ √
S10.7	E7	• Vessel based dolphin monitoring	Minimise marine traffic disturbance on dolphins	Contractor	Northeast and Northwest Lantau	During construction	TM-Water	√ (ET of Contract No.HY/2013/01 is responsible conducting monitoring for entire HKBCF.)
Fisheries								
S11.7	F1	• Reduce re-suspension of sediments • Limit works fronts • Good site practices • Strict enforcement of no marine dumping • Spill response plan	Minimise impacts on marine water quality impacts	Marine Department	Seawall, reclamation area	During operation		√ √ √ √ √
S11.7	F2	• Install silt-grease trap in the drainage system collecting surface runoff	Minimise impacts on marine water quality impacts	Marine Department	Reclamation area	During operation		√

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S11.7	F4	• Maritime Oil Spill Response Plan (MOSRP); • Contingency plan.	Minimise impacts on marine water quality impacts	Marine Department	HKBCF	During operation		N/A
Landscape & Visual (Detailed Design Phase)								
S14.3.3.1	LV1	General design measures include: • Roadside planting and planting along the edge of the HKBCF Island 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; • Maximizing new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed; • Providing planting area around peripheral of HKBCF for tree planting screening effect; • Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline;	Minimise visual & landscape impact	Detailed designer	HKBCF	Design Stage		N/A
S14.3.3.1	LV1	• For HKBCF, providing aesthetic architectural design on the related buildings (e.g. similar materials for PCB building facade to Airport buildings, roof planting and subtle materials for other facilities buildings and so on), and the related infrastructure (e.g. parapet planting and transparent cover for elevated footbridges) to provide harmonious atmosphere of the HKBCF; and • Fine-tuning the sizes of the structural members to minimize the bulkiness of buildings and adjustment of building arrangement to minimise disturbance to surrounding vegetation in the HKBCF.	Minimise visual & landscape impact	Detailed designer	HKBCF	Design Stage		N/A

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Landscape & Visual (Construction Phase)								
S14.3.3.3	LV2	Mitigate both Landscape and Visual Impacts • Grass-hydroseed bare soil surface and stock pile areas. • Add planting strip and automatic irrigation system if appropriate at some portions of bridge footbridge to screen bridge and traffic. • Not applicable as this is for HKLR. • For HKBCF, providing aesthetic architectural design on the related buildings (e.g. similar materials for PCB building facade to Airport buildings, roof planting and subtle materials for other facilities buildings and so on), and the related infrastructure (e.g. parapet planting and transparent cover for elevated footbridges) to provide harmonious atmosphere of the HKBCF. • Vegetation reinstatement and upgrading to disturbed areas • Maximizing new tree shrub and other vegetation planting to compensate tree felled and vegetation removed • Providing planting area around peripheral of HKBCF for tree planting screening effect; • Plant salt-tolerant native and shrubs etc along the planter strip at affected seawall. • 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 enchance “natural-look” of the new coastline.	Minimise visual & landscape impact	Contractor	HKBCF	Construction stage		N/A
S14.3.3.3	LV3	<u>Mitigate Visual Impacts</u> • V1.Minimize time for construction activities during construction period. • V2.Provide screen hoarding at the portion of the project site / works areas / storage areas near VSRs who have close low-level views to the Project during HKBCF construction.						√ N/A
EM&A								
S15.2.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual.	Control EM&A Performance	Project Proponent	All construction sites		• EIAO Guidance Note No.4/2002 • TM-EIAO	√

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?	What requirements or standards for the measures to achieve?	Implementation Status
S15.5 - S15.6	EM2	• An Environmental Team needs to be employed as per the EM&A Manual. • Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. • An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.	Perform environmental monitoring & auditing	Contractor	All construction sites		• EIAO Guidance Note No.4/2002 • TM-EIAO	√ √ √

Legends: √ = Implemented; X = Not implemented; N/A = Not applicable

APPENDIX L

Statistics on Environmental Complaints, Notification of Summons and Successful Prosecutions

Statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This reporting period	1	0	0
From commencement date of contract to end of reporting month	9	0	0

APPENDIX M

Environmental Site Inspection and Monitoring Schedule

Contract No. HY/2013/01- HKBCF Passenger Clearance Building
Impact Environmental Monitoring Schedule for October 2017

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date	**1-Oct**	**2-Oct**	**3-Oct**	**4-Oct**	**5-Oct**	**6-Oct**	**7-Oct**
			AMS2 - 24 hour TSP AMS3B - 24 hour TSP AMS7 - 1 hour TSP NMS2	AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B		AMS7 - 1 hour TSP AMS7 - 24 hour TSP	
		Water Quality Monitoring Mid-ebb 10:35 Mid-flood 17:44		Water Quality Monitoring Mid-ebb 11:56 Mid-flood 18:31 Site Inspection		Water Quality Monitoring Mid-ebb 13:12 Mid-flood 7:03 Dolphin Monitoring	
Date	**8-Oct**	**9-Oct**	**10-Oct**	**11-Oct**	**12-Oct**	**13-Oct**	**14-Oct**
		AMS2 - 24 hour TSP AMS3B - 24 hour TSP NMS2	AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B	AMS7 - 24 hour TSP	AMS7 - 1 hour TSP	AMS2 - 24 hour TSP AMS3B - 24 hour TSP	
		Water Quality Monitoring Mid-ebb 15:18 Mid-flood 9:31		Water Quality Monitoring Mid-ebb 17:07 Mid-flood 11:45 Site Inspection	Dolphin Monitoring	Water Quality Monitoring Mid-ebb 6:33 Mid-flood 14:55	
Date	**15-Oct**	**16-Oct**	**17-Oct**	**18-Oct**	**19-Oct**	**20-Oct**	**21-Oct**
		AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B	AMS7 - 24 hour TSP	AMS7 - 1 hour TSP NMS2	AMS2 - 24 hour TSP AMS3B - 24 hour TSP	AMS2 - 1 hour TSP AMS3B - 1 hour TSP	
		Water Quality Monitoring Mid-ebb 10:33 Mid-flood 17:26	Dolphin Monitoring	Water Quality Monitoring Mid-ebb 12:05 Mid-flood 18:21 Site Inspection	Dolphin Monitoring	Water Quality Monitoring Mid-ebb 13:21 Mid-flood 7:19	
Date	**22-Oct**	**23-Oct**	**24-Oct**	**25-Oct**	**26-Oct**	**27-Oct**	**28-Oct**
		AMS7 - 24 hour TSP	AMS7 - 1 hour TSP NMS2	AMS2 - 24 hour TSP AMS3B - 24 hour TSP	AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B	AMS7 - 24 hour TSP	
		Water Quality Monitoring Mid-ebb 15:03 Mid-flood 9:21		Water Quality Monitoring Mid-ebb 16:21 Mid-flood 10:59 Site Inspection		Water Quality Monitoring Mid-ebb 5:09 Mid-flood 17:34	
Date	**29-Oct**	**30-Oct**	**31-Oct**				
		AMS7 - 1 hour TSP NMS2	AMS2 - 24 hour TSP AMS3B - 24 hour TSP				
		Water Quality Monitoring Mid-ebb 8:43 Mid-flood 16:21					

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

PCB
AMS2 - Tung Chung Development Pier
AMS3B - Site Boundary of ER's Site Office Area at WA2
AMS7 - HK SkyCity Marriott Hotel
NMS2 - Seaview Crescent
NMS3B - Site Boundary of ER's Site Office Area at WA2

Contract No. HY/2013/01- HKBCF Passenger Clearance Building
Tentative Impact Environmental Monitoring Schedule for November 2017

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date				**1-Nov**	**2-Nov**	**3-Nov**	**4-Nov**
				AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B	AMS7 - 24 hour TSP	AMS7 - 1 hour TSP	
				Water Quality Monitoring Mid-ebb 10:35 Mid-flood 17:16 Site Inspection		Water Quality Monitoring Mid-ebb 12:04 Mid-flood 06:06	
Date	**5-Nov**	**6-Nov**	**7-Nov**	**8-Nov**	**9-Nov**	**10-Nov**	**11-Nov**
		AMS2 - 24 hour TSP AMS3B - 24 hour TSP	AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B	AMS7 - 24 hour TSP	AMS7 - 1 hour TSP NMS2	AMS2 - 24 hour TSP AMS3B - 24 hour TSP	
		Water Quality Monitoring Mid-ebb 14:21 Mid-flood 08:40	Dolphin Monitoring	Water Quality Monitoring Mid-ebb 16:03 Mid-flood 10:39 Site Inspection		Water Quality Monitoring Mid-ebb 18:16 Mid-flood 13:02	
Date	**12-Nov**	**13-Nov**	**14-Nov**	**15-Nov**	**16-Nov**	**17-Nov**	**18-Nov**
		AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B	AMS7 - 24 hour TSP	AMS7 - 1 hour TSP NMS2	AMS2 - 24 hour TSP AMS3B - 24 hour TSP	AMS2 - 1 hour TSP AMS3B - 1 hour TSP	
		Water Quality Monitoring Mid-ebb 09:06 Mid-flood 16:11	Dolphin Monitoring	Water Quality Monitoring Mid-ebb 10:58 Mid-flood 17:12 Site Inspection		Water Quality Monitoring Mid-ebb 12:23 Mid-flood 06:36	
Date	**19-Nov**	**20-Nov**	**21-Nov**	**22-Nov**	**23-Nov**	**24-Nov**	**25-Nov**
		AMS7 - 24 hour TSP	AMS7 - 1 hour TSP NMS2	AMS2 - 24 hour TSP AMS3B - 24 hour TSP	AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B	AMS7 - 24 hour TSP	
		Water Quality Monitoring Mid-ebb 14:11 Mid-flood 08:41	Dolphin Monitoring	Water Quality Monitoring Mid-ebb 15:20 Mid-flood 10:00 Site Inspection		Water Quality Monitoring Mid-ebb 16:37 Mid-flood 11:37	
Date	**26-Nov**	**27-Nov**	**28-Nov**	**29-Nov**	**30-Nov**		
		AMS7 - 1 hour TSP NMS2	AMS2 - 24 hour TSP AMS3B - 24 hour TSP	AMS2 - 1 hour TSP AMS3B - 1 hour TSP NMS3B	AMS7 - 24 hour TSP		
		Water Quality Monitoring Mid-ebb 06:18 Mid-flood 14:43	Dolphin Monitoring	Water Quality Monitoring Mid-ebb 08:48 Mid-flood 15:52 Site Inspection			

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

PCB
AMS2 - Tung Chung Development Pier
AMS3B - Site Boundary of ER's Site Office Area at WA2
AMS7 - HK SkyCity Marriott Hotel
NMS2 - Seaview Crescent
NMS3B - Site Boundary of ER's Site Office Area at WA2

APPENDIX N

Investigation Report

Contract No. HY/2013/01 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Notifications of Environmental Quality Limits Exceedances Notification No.: 20171002DO_v1

Date of Notification: 10 October 2017 **Date of Investigation Report:** 20 October 2017

Works Inspected: Data collected from water sampling works on 2 October 2017 and the results were issued on 10 October 2017

Monitoring Location: Water Quality Monitoring Station

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

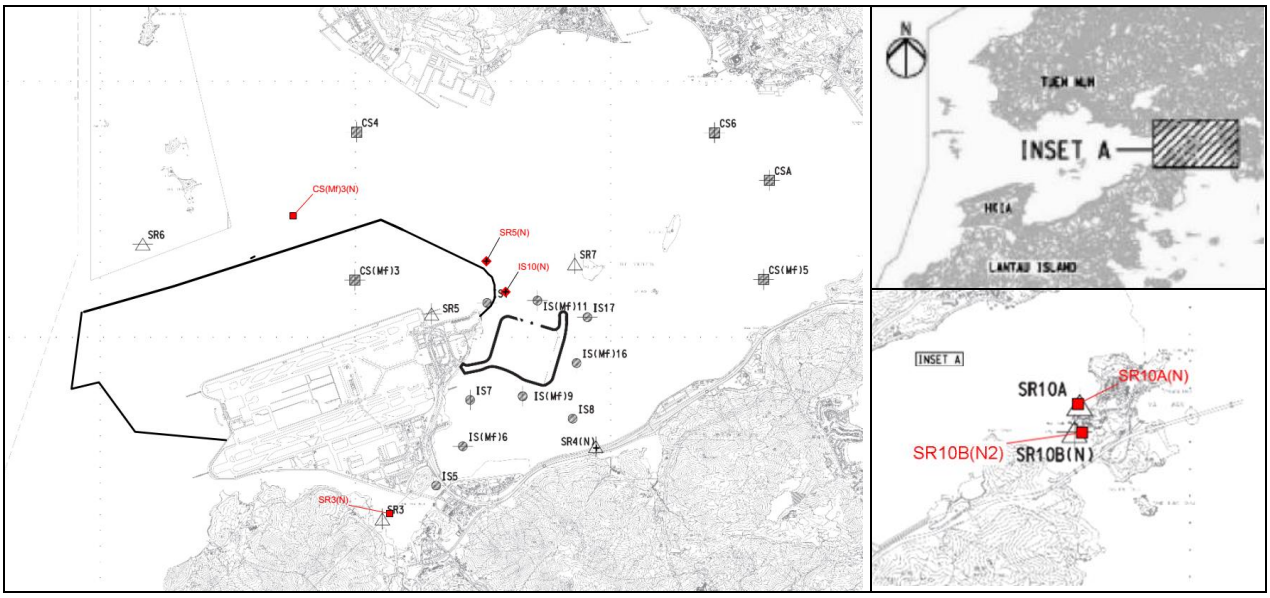
Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
DO	SR10A*	Bottom	Surface and Middle 5.0 Bottom 4.7	Surface and Middle 4.2 (except 5 mg/L for FCZ) Bottom 3.6	**4.6**	**4.5**
	SR10B(N)*	Surface and Middle			5.4	**<u>4.7</u>**
	SR10B(N)*	Bottom			5.1	**4.6**

Notes:
AL means Action Level.
LL means Limit Level.
Bold means AL exceedances.
<u>Bold with underline</u> means LL exceedances.
* Monitoring stations SR3, SR10A and SR10B(N) were not available for water sampling due to safety reason, the monitoring stations were changed to tentative coordination.
(i.e. SR3(N): E810689 N816591, SR10A(N): E823644 N823484 and SR10B(N2): E823689 N823159)

Possible reason for Action and Limit Level Non-compliance:

On 2 October 2017, one AL exceedance of DO at SR10A was recorded during mid-ebb tide, two AL exceedances of DO at SR10A and SR10B(N) were recorded during mid-flood tide and one LL exceedance of DO at SR10B(N) was recorded during mid-flood tide.



As confirmed by the Contractor, there were no marine transportation and marine-based work on 2 October 2017. No site runoff within the Contract site has been observed. Therefore, it is concluded that the exceedances were not related to the Contract.

Actions taken/ to be taken:
As the exceedances were not related to the Contract, no immediate actions are required. However, the Contractor was also reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule.

Reviewed by : Keith Chau

Title : ET Leader

Date : 20 October 2017

Copied to : Contractor, Engineer Representative and IEC/ENPO

Contract No. HY/2013/01 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Notifications of Environmental Quality Limits Exceedances Notification No.: 20171004DO_v1

Date of Notification: 12 October 2017 **Date of Investigation Report:** 20 October 2017

Works Inspected: Data collected from water sampling works on 4 October 2017 and the results were issued on 9 October 2017

Monitoring Location: Water Quality Monitoring Station

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

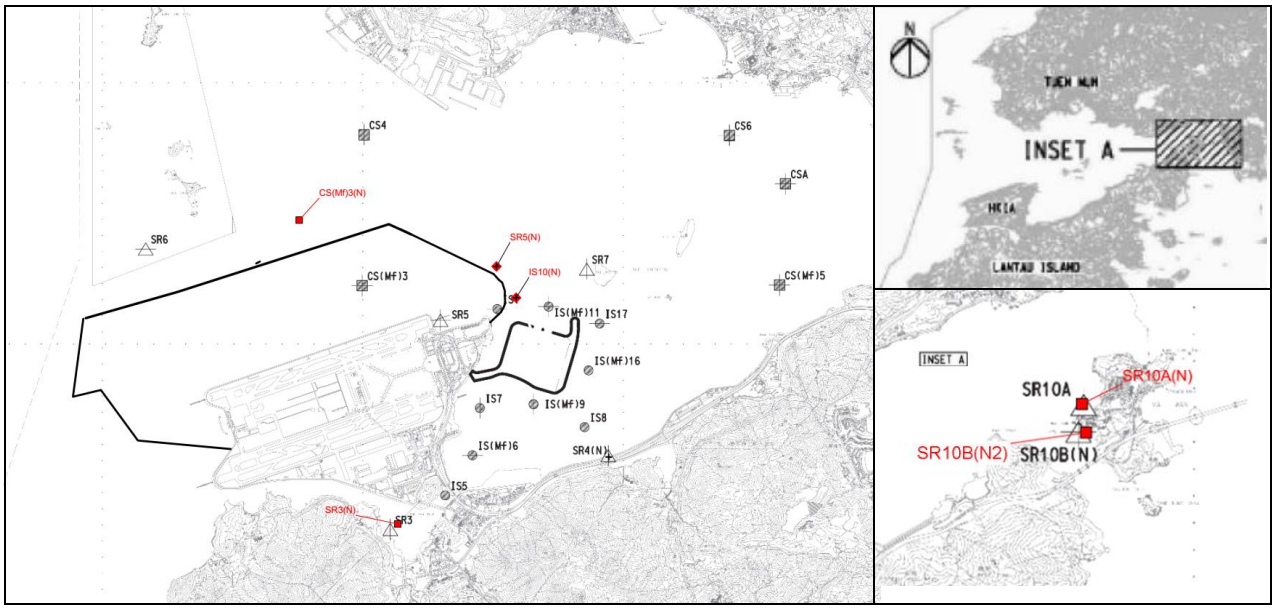
Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
DO	SR10A*#	Surface and Middle	Surface and Middle 5.0 Bottom 4.7	Surface and Middle 4.2 (except 5 mg/L for FCZ) Bottom 3.6	**<u>4.7</u>**	**<u>4.5</u>**
	SR10A*#	Bottom			**4.6**	**4.3**
	SR10B(N)*	Surface and Middle			**<u>4.8</u>**	**<u>4.5</u>**
	SR10B(N)*	Bottom			4.9	**4.5**

Notes:
AL means Action Level.
LL means Limit Level.
Bold means AL exceedances.
<u>Bold with underline</u> means LL exceedances.
* Monitoring stations SR3, SR10A and SR10B(N) were not available for water sampling due to safety reason, the monitoring stations were changed to tentative coordination.
(i.e. SR3(N): E810689 N816591, SR10A(N): E823644 N823484 and SR10B(N2): E823689 N823159)
Location was changed due to fishing net installed in the vicinity (22°21.1165'N; 114°03.1185'E)

Possible reason for Action and Limit Level Non-compliance:

On 4 October 2017, one AL exceedance of DO at SR10A was recorded during mid-ebb tide, two AL exceedances of DO at SR10A and SR10B(N) were recorded during mid-flood tide, two LL exceedances of DO at SR10A and SR10B(N) were recorded during mid-ebb tide and two LL exceedances of DO at SR10A and SR10B(N) were recorded during mid-flood tide.



As confirmed by the Contractor, there were no marine transportation and marine-based work on 4 October 2017. No site runoff within the Contract site has been observed. Therefore, it is concluded that the exceedances were not related to the Contract.

Actions taken/ to be taken:
As the exceedances were not related to the Contract, no immediate actions are required. However, the Contractor was also reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule.

Reviewed by : Keith Chau

Title : ET Leader

Date : 20 October 2017

Copied to : Contractor, Engineer Representative and IEC/ENPO

Contract No. HY/2013/01 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Notifications of Environmental Quality Limits Exceedances Notification No.: 20171006DO_v2

Date of Notification: 11 October 2017 **Date of Investigation Report:** 26 October 2017

Works Inspected: Data collected from water sampling works on 6 October 2017 and the results were issued on 11 October 2017

Monitoring Location: Water Quality Monitoring Station

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

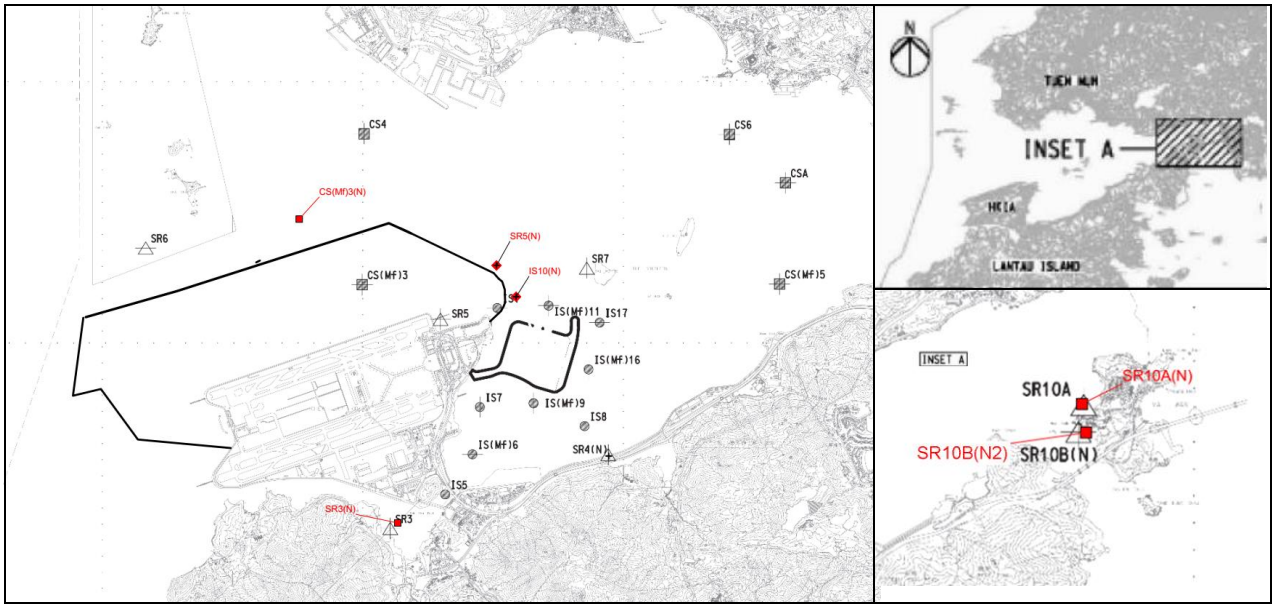
Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
DO	SR10B(N)*	Surface and Middle	Surface and Middle 5.0 Bottom 4.7	Surface and Middle 4.2 (except 5 mg/L for FCZ) Bottom 3.6	**<u>4.9</u>**	**<u>4.5</u>**
	SR10B(N)*	Bottom			5.0	**4.6**

Notes:
AL means Action Level.
LL means Limit Level.
Bold means AL exceedances.
<u>Bold with underline</u> means LL exceedances.
* Monitoring stations SR3, SR10A and SR10B(N) were not available for water sampling due to safety reason, the monitoring stations were changed to tentative coordination.
(i.e. SR3(N): E810689 N816591, SR10A(N): E823644 N823484 and SR10B(N2): E823689 N823159)

Possible reason for Action and Limit Level Non-compliance:

On 6 October 2017, one AL exceedance of DO at SR10B(N) was recorded during mid-flood tide, one LL exceedance of DO at SR10B(N) was recorded during mid-ebb tide and one LL exceedance of DO at SR10B(N) was recorded during mid-flood tide.



As confirmed by the Contractor, there were no marine transportation and marine-based work on 6 October 2017. No site runoff within the Contract site has been observed. Therefore, it is concluded that the exceedances were not related to the Contract.

Actions taken/ to be taken:

As the exceedances were not related to the Contract, no immediate actions are required. However, the Contractor was also reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule.

Reviewed by : Keith Chau

Title : ET Leader

Date : 26 October 2017

Copied to : Contractor, Engineer Representative and IEC/ENPO

Contract No. HY/2013/01 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Notifications of Environmental Quality Limits Exceedances Notification No.: 20171009DO_v1

Date of Notification: 12 October 2017 **Date of Investigation Report:** 26 October 2017

Works Inspected: Data collected from water sampling works on 9 October 2017 and the results were issued on 12 October 2017

Monitoring Location: Water Quality Monitoring Station

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

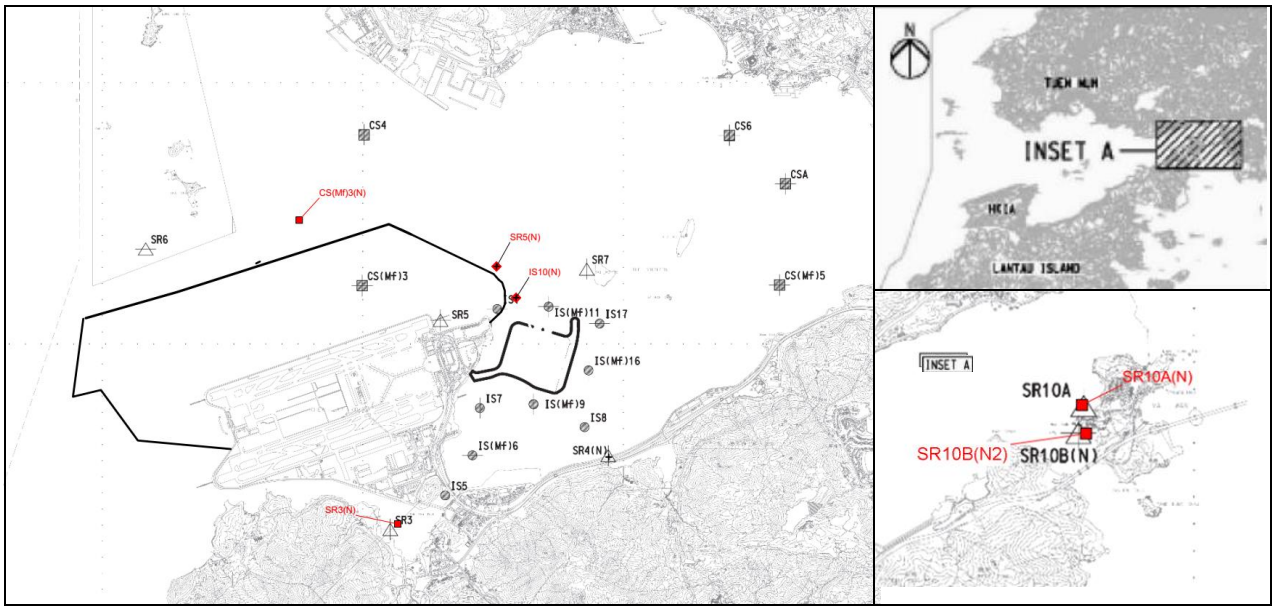
Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
DO	SR10B(N)*	Surface and Middle	Surface and Middle 5.0 Bottom 4.7	Surface and Middle 4.2 (except 5 mg/L for FCZ) Bottom 3.6	5.2	**<u>4.8</u>**

Notes:
AL means Action Level.
LL means Limit Level.
Bold means AL exceedances.
<u>Bold with underline</u> means LL exceedances.
* Monitoring stations SR3, SR10A and SR10B(N) were not available for water sampling due to safety reason, the monitoring stations were changed to tentative coordination.
(i.e. SR3(N): E810689 N816591, SR10A(N): E823644 N823484 and SR10B(N2): E823689 N823159)

Possible reason for Action and Limit Level Non-compliance:

On 9 October 2017, one LL exceedance of DO at SR10B(N) was recorded during mid-flood tide.



As confirmed by the Contractor, there were no marine transportation and marine-based work on 9 October 2017. No site runoff within the Contract site has been observed. Therefore, it is concluded that the exceedance was not related to the Contract.

Actions taken/ to be taken:

As the exceedance was not related to the Contract, no immediate actions are required. However, the Contractor was also reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule.

Prepared by:	Evan Wong	Title:	Environmental Team Representative
Signature:		Date:	26 October 2017
Checked by:	Keith Chau	Title:	Environmental Team Leader
Signature:		Date:	26 October 2017

Contract No. HY/2013/01 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Notifications of Environmental Quality Limits Exceedances Notification No.: 20171018SS

Date of Notification: 27 October 2017 **Date of Investigation Report:** 30 October 2017

Works Inspected: Data collected from water sampling works on 18 October 2017 and the results were issued on 26 October 2017

Monitoring Location: Water Quality Monitoring Station

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

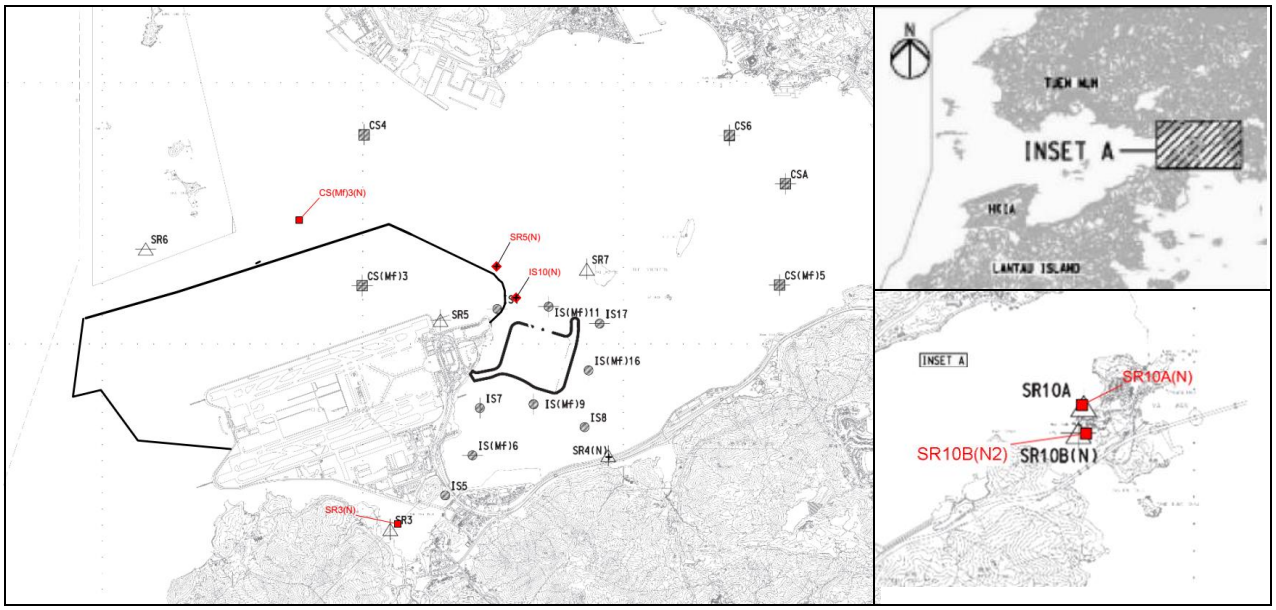
Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	SR5(N)	Depth Average	23.5 and 120% (i.e. 10.6 for mid-ebb/23.9 for mid-flood) of upstream control station's SS at the same tide of the same day	34.4 and 130% (i.e. 11.5 for mid-ebb/25.9 for mid-flood) of upstream control station's SS at the same tide of the same day and 10mg/L for WSD Seawater intakes	9.5	**30.1**

Notes:
AL means Action Level.
LL means Limit Level.
Bold means AL exceedances.
Bold with underline means LL exceedances.
Upstream control stations of mid-ebb tide: CS(Mf)3(N) and CS4
Upstream control stations of mid-flood tide: CS(Mf)5, CS6 and CSA

Possible reason for Action and Limit Level Non-compliance:

On 18 October 2017, one AL exceedance of SS at SR5(N) was recorded during mid-flood tide.



As confirmed by the Contractor, there was no marine transportation and marine-based work on 18 October 2017. No site runoff within the Contract site has been observed. Therefore, it is concluded that the exceedances were not related to the Contract.

Actions taken/ to be taken:

As the exceedance was not related to the Contract, no immediate actions are required. However, the Contractor was also reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule.

Prepared by:	Evan Wong	Title:	Environmental Team Representative
Signature:		Date:	30 October 2017
Checked by:	Keith Chau	Title:	Environmental Team Leader
Signature:		Date:	30 October 2017

Copied to : Contractor, Engineer Representative and IEC/ENPO

Contract No. HY/2013/01 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Notifications of Environmental Quality Limits Exceedances Notification No.: 20171020SS

Date of Notification: 31 October 2017 **Date of Investigation Report:** 3 November 2017

Works Inspected: Data collected from water sampling works on 20 October 2017 and the results were issued on 30 October 2017

Monitoring Location: Water Quality Monitoring Station

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

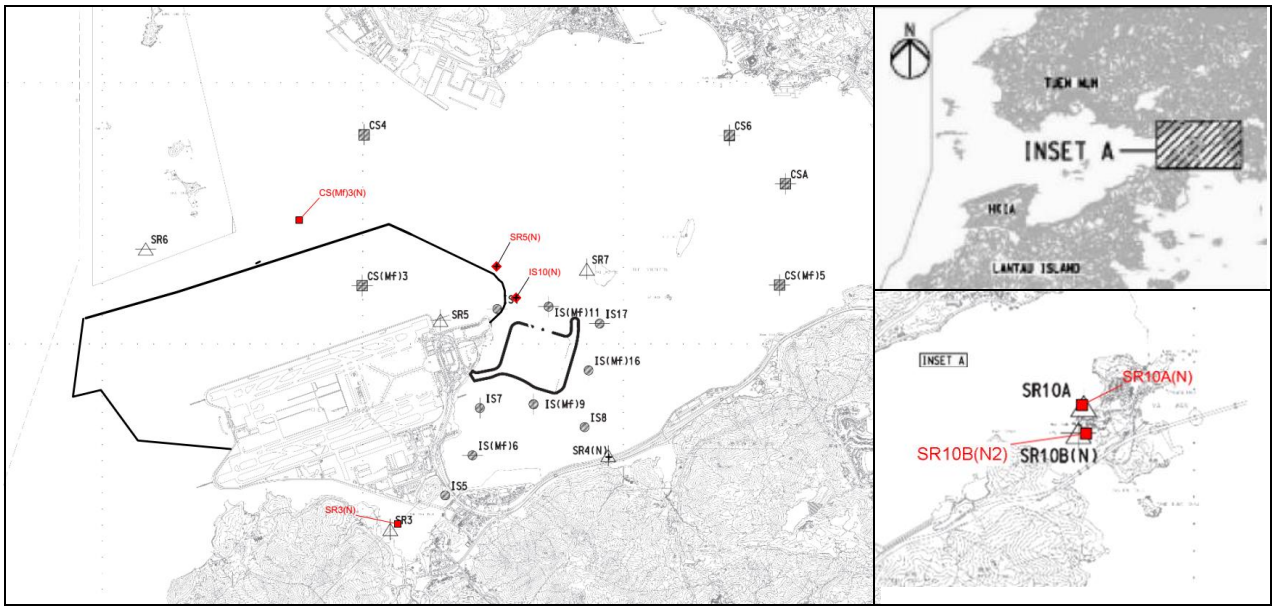
Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS(Mf)11	Depth Average	23.5 and 120% (i.e. 20.8 for mid-ebb/20.1 for mid-flood) of upstream control station's SS at the same tide of the same day	34.4 and 130% (i.e. 22.6 for mid-ebb/21.8 for mid-flood) of upstream control station's SS at the same tide of the same day and 10mg/L for WSD Seawater intakes	11.9	**26.1**
	SR5(N)				8.0	**24.4**
	SR7				14.9	**28.3**

Notes:
AL means Action Level.
LL means Limit Level.
Bold means AL exceedances.
Bold with underline means LL exceedances.
Upstream control stations of mid-ebb tide: CS(Mf)3(N) and CS4
Upstream control stations of mid-flood tide: CS(Mf)5, CS6 and CSA

Possible reason for Action / Limit Level Non-compliance:

On 20 October 2017, three AL exceedances of SS at IS(Mf)11, SR5(N) and SR7 were recorded during mid-flood tide.



As confirmed by the Contractor, there was no marine transportation and marine-based work on 20 October 2017. No site runoff within the Contract site has been observed. Therefore, it is concluded that the exceedances were not related to the Contract.

Actions taken/ to be taken:

As the exceedance was not related to the Contract, no immediate actions are required. However, the Contractor was also reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule.

Prepared by:	Evan Wong	Title:	Environmental Team Representative
Signature:		Date:	3 November 2017
Checked by:	Keith Chau	Title:	Environmental Team Leader
Signature:		Date:	3 November 2017

Copied to : Contractor, Engineer Representative and IEC/ENPO

Contract No. HY/2013/01 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Boundary Crossing Facilities – Passenger Clearance Building

Notifications of Environmental Quality Limits Exceedances Notification No.: 20171023SS

Date of Notification: 1 November 2017 **Date of Investigation Report:** 6 November 2017

Works Inspected: Data collected from water sampling works on 23 October 2017 and the results were issued on 1 November 2017

Monitoring Location: Water Quality Monitoring Station

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

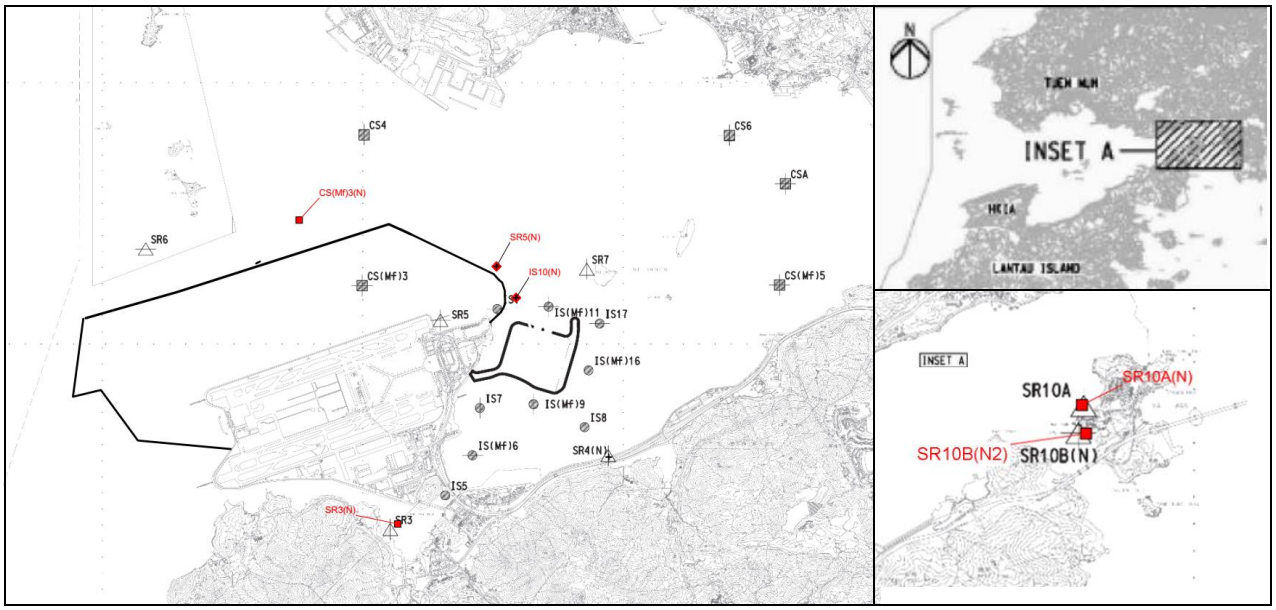
Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	SR5(N)	Depth Average	23.5 and 120% (i.e. 14.8 for mid-ebb/16.9 for mid-flood) of upstream control station's SS at the same tide of the same day	34.4 and 130% (i.e. 16.0 for mid-ebb/18.3 for mid-flood) of upstream control station's SS at the same tide of the same day and 10mg/L for WSD Seawater intakes	10.4	**26.3**

Notes:
AL means Action Level.
LL means Limit Level.
Bold means AL exceedances.
Bold with underline means LL exceedances.
Upstream control stations of mid-ebb tide: CS(Mf)3(N) and CS4
Upstream control stations of mid-flood tide: CS(Mf)5, CS6 and CSA

Possible reason for Action / Limit Level Non-compliance:

On 23 October 2017, one AL exceedance of SS at SR5(N) was recorded during mid-flood tide.



As confirmed by the Contractor, there was no marine transportation and marine-based work on 23 October 2017. No site runoff within the Contract site has been observed. Therefore, it is concluded that the exceedances were not related to the Contract.

Actions taken/ to be taken:

As the exceedance was not related to the Contract, no immediate actions are required. However, the Contractor was also reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule.

Prepared by:	Evan Wong	Title:	Environmental Team Representative
Signature:		Date:	6 November 2017
Checked by:	Keith Chau	Title:	Environmental Team Leader
Signature:		Date:	6 November 2017

Copied to : Contractor, Engineer Representative and IEC/ENPO