

Contract No. HY/2011/03

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

Monthly EM&A Report No.125 (Feb 2023)

7 March 2023

Revision 0

Main Contractor



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

Designer





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Executive Summary

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

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

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

BMT Hong Kong Limited was appointed by the Contractor to implement the Environmental Monitoring & Audit (EM&A) programme for the Contract in accordance with the Updated EM&A Manual for HKLR (Version 1.0) and provided environmental team services to the Contract until 31 July 2020.

Meinhardt Infrastructure and Environment Limited has been appointed by the Contractor to implement the Environmental Monitoring & Audit (EM&A) programme for the Contract in accordance with the Updated EM&A Manual for HKLR (Version 1.0) and provide environmental team services to the Contract with effective from 1 August 2020.

Ramboll Hong Kong Limited was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) for the Project.

ANewR Consulting Limited has been employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Offer (ENPO) for the Project with effective from 1 October 2022.

This is the 125th Monthly EM&A report for the Contract which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 28 February 2023.

Environmental Monitoring and Audit Progress

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

1-hr TSP Monitoring at AMS5	6, 10, 16, 22 and 28 February 2023
24-hr TSP Monitoring at AMS5	3, 9, 15, 21 and 27 February 2023
Noise Monitoring	6, 16, 22 and 28 February 2023
Water Quality Monitoring	1, 3, 6, 8, 10, 13, 15, 17, 20, 22, 24 and 27 February 2023
Chinese White Dolphin Monitoring	3, 8, 14 and 16 February 2023
Site Inspection	7, 17, 23 and 28 February 2023





The existing air quality monitoring location AMS6 - Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 1-hr and 24-hr TSP monitoring at AMS6 was temporarily suspended starting from 1 April 2021. A new alternative air quality monitoring location is still under processing.

Breaches of Action and Limit Levels

Environmental Monitoring **Parameters** Action Level (AL) Limit Level (LL) 1-hr TSP 0 0 Air Quality 0 0 24-hr TSP Noise 0 0 Leq (30 min) 0 0 Suspended solids level (SS) Water Quality 0 0 Turbidity level Dissolved oxygen level (DO) 0 0

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

Complaint Log

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

Notifications of Summons and Prosecutions

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

Reporting Changes

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

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

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

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

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

The water quality monitoring stations at IS10 (Coordinate: 812577E, 820670N) and SR5 (811489E, 820455N) are located inside Hong Kong International Airport (HKIA) Approach Restricted Areas. The previously granted Vessel's Entry Permit for accessing stations IS10 and SR5 were expired on 31 December 2016. During the permit renewing process, the water quality monitoring location was shifted to IS10(N) (Coordinate: 813060E, 820540N) and SR5(N) (Coordinate: 811430E, 820978N) on 2, 4 and



6 January 2017 temporarily. The permit has been granted by Marine Department on 6 January 2017. Thus, the impact water quality monitoring works at original monitoring location of IS10 and SR5 has been resumed since 9 January 2017.

Transect lines 2, 3, 4, 5, 6 and 7 for dolphin monitoring have been revised and transect line 24 has been added due to the presence of a work zone to the north of the airport platform with intense construction activities in association with the construction of the third runway expansion for the Hong Kong International Airport. The EPD issued a memo and confirmed that they had no objection on the revised transect lines on 28 July 2017. The alternative dolphin transect lines are adopted starting from August's dolphin monitoring.

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

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

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

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

The works area WA5 was handed over to other party on 22 June 2013.

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

Original WQM stations IS8 and SR4(N) are located within the active work area of TCNTE project and the access to the WQM stations IS8 (Coordinate: E814251, N818412) and SR4(N) (Coordinate: E814705, N817859) are blocked by the silt curtains of the Tung Chung New Town Extension (TCNTE) project. Alternative monitoring stations IS8(N) (Coordinate: E814413, N818570) and SR4(N2) (Coordinate: E814688, N817996) are proposed to replace the original monitoring stations IS8 and SR4(N). Proposal for permanently relocating the aforementioned stations was approved by EPD on 20 August 2019. The water quality monitoring has been conducted at stations IS8(N) and SR4(N2) on 21 August 2019.

There were no marine works conducted by Contract No. HY/2011/03 since July 2019. A proposal for temporary suspension of marine related environmental monitoring (water quality monitoring and dolphin monitoring for the Contract No. HY/2011/03) was justified by the ET leader and verified by IEC in mid of September 2019 and it was approved by EPD on 24 September 2019. Water quality monitoring and dolphin monitoring for the Contract will not be conducted starting from 1 October 2019 until marine works (i.e. toe loading removal works) be resumed. As discussed with Contract No. HY/2012/08, they will take up the responsibility from Contract No. HY/2011/03 for the dolphin monitoring works starting from 1 October 2019.

According to information received in January 2020, the works area WA3 and WA4 were handed over to Highways Department on 23 December 2019 and 14 March 2019 respectively.



The role and responsibilities as the IEC of the Contract has been taken up by Mr Manson Yeung instead of Mr Ray Yan since 18 May 2020.

Mr. Leslie Leung was Environmental Team Leader of the Contract for July 2020. The role and responsibilities as the Environmental Team Leader of the Contract has been taken up by Ms. Claudine Lee with effective from 1 August 2020.

The existing air quality monitoring location AMS6 - Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 1-hr and 24-hr TSP monitoring at AMS6 was temporarily suspended starting from 1 April 2021. A new alternative air quality monitoring location is still under processing.

The role and responsibilities as the IEC of the Contract has been taken up by Mr Brian Tam instead of Mr Manson Yeung since 12 April 2021.

The role and responsibilities as the IEC of the Contract has been taken up by Mr Adi Lee instead of Mr Brian Tam since 3 May 2022.

The role and responsibilities as the IEC of the Contract has been taken up by Mr Brian Tam instead of Mr Adi Lee since 25 July 2022.

The role and responsibilities as the ENPO Leader of the Contract has been taken up by Mr Louis Kwan from ANewR Consulting Limited instead of Mr H.Y. Hui from Ramboll Hong Kong Limited since 1 October 2022.

The role and responsibilities as the IEC of the Contract has been taken up by Mr James Choi from ANewR Consulting Limited instead of Mr Brian Tam Ramboll Hong Kong Limited since 1 October 2022.

Future Key Issues

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

- Landscape maintenance works at SHT East Portal.
- Removal of Temporary Toe Loading Platform at Portion X.





Introduction

1.1 Basic Project Information

- 1.1.1 The Hong Kong-Zhuhai-Macao Bridge (HZMB) Hong Kong Link Road (HKLR) serves to connect the HZMB Main Bridge at the Hong Kong Special Administrative Region (HKSAR) Boundary and the HZMB Hong Kong Boundary Crossing Facilities (HKBCF) located at the north eastern waters of the Hong Kong International Airport (HKIA).
- 1.1.2 The HKLR project has been separated into two contracts. They are Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road-Section between Scenic Hill and Hong Kong Boundary Crossing Facilities (hereafter referred to as the Contract) and Contract No. HY/2011/09 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road-Section between HKSAR Boundary and Scenic Hill.
- 1.1.3 China State Construction Engineering (Hong Kong) Ltd. was awarded by Highways Department (Heed) as the Contractor to undertake the construction works of Contract No. HY/2011/03. The Contract is part of the HKLR Project and HKBCF Project, these projects are considered to be "Designated Projects", under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap 499) and Environmental Impact Assessment (EIA) Reports (Register No. AEIAR-144/2009 and AEIAR-145/2009) were prepared for the Project. The current Environmental Permit (EP) EP-352/2009/D for HKLR and EP-353/2009/K for HKBCF were issued on 22 December 2014 and 11 April 2016, respectively. These documents are available through the EIA Ordinance Register. The construction phase of Contract was commenced on 17 October 2012. The works area WA5 and WA7 were handed over to other party on 22 June 2013 and 28 February 2018 respectively. The works area WA3 and WA4 were handed over to Highways Department on 23 December 2019 and 14 March 2019 respectively. Figure 1.1 shows the project site boundary. The works areas are shown in Appendix N.
- 1.1.4 The Contract includes the following key aspects:
 - New reclamation along the east coast of the approximately 23 hectares.
 - Tunnel of Scenic Hill (Tunnel SHT) from Scenic Hill to the new reclamation, of approximately 1km in length with three (3) lanes for the east bound carriageway heading to the HKBCF and four (4) lanes for the westbound carriageway heading to the HZMB Main Bridge.
 - An abutment of the viaduct portion of the HKLR at the west portal of Tunnel SHT and associated road works at the west portal of Tunnel SHT.
 - An at grade road on the new reclamation along the east coast of the HKIA to connect with the HKBCF, of approximately 1.6 km along dual 3-lane carriageway with hard shoulder for each bound.
 - Road links between the HKBCF and the HKIA including new roads and the modification of existing roads at the HKIA, involving viaducts, at grade roads and a Tunnel HAT.
 - A highway operation and maintenance area (HMA) located on the new reclamation, south of the Dragonair Headquarters Building, including the construction of buildings, connection roads and other associated facilities.
 - Associated civil, structural, building, geotechnical, marine, environmental protection, landscaping, drainage and sewerage, tunnel and highway electrical and mechanical works, together with the installation of street lightings, traffic aids and sign gantries, water mains and fire hydrants, provision of facilities for installation of traffic control and surveillance system (TCSS), reprovisioning works of affected existing facilities, implementation of transplanting, compensatory planting and protection of existing trees, and implementation of an environmental monitoring and audit (EM&A) program.
- 1.1.5 This is the 125th Monthly EM&A report for the Contract which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 28 February 2023.



- 1.1.6 BMT Hong Kong Limited was appointed by the Contractor to implement the EM&A programme for the Contract in accordance with the Updated EM&A Manual for HKLR (Version 1.0) and provided environmental team services to the Contract until 31 July 2020.
- 1.1.7 Meinhardt Infrastructure and Environment Limited has been appointed by the Contractor to implement the Environmental Monitoring & Audit (EM&A) programme for the Contract in accordance with the Updated EM&A Manual for HKLR (Version 1.0) and provide environmental team services to the Contract with effective from 1 August 2020. Ramboll Hong Kong Limited was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) for the Project until 30 September 2022. ANewR Consulting Limited has been appointed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) for the Project since 1 October 2022. The project organization with regard to the environmental works is as follows.

1.2 Project Organisation

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

Party	Position	Name	Telephone	Fax
Supervising Officer's Representative (Ove Arup & Partners Hong Kong Limited)	(Senior Resident Engineer, SRE)	Eddie Tsang	3968 4802	2109 1882
Environmental Project Office / Independent	Environmental Project Office Leader	Louis Kwan	9275 0975	3007 8448
Environmental Checker (ANewR Consulting Limited)	Independent Environmental Checker	James Choi	6122 5213	3007 8448
Contractor	Project Manager	S. Y. Tse	3968 7002	2109 2588
(ChinaStateConstructionEngineeringKong) Ltd.)	Environmental Officer	Federick Wong	3968 7117	2109 2588
Environmental Team (Meinhardt Infrastructure and Environment Limited)	Environmental Team Leader	Claudine Lee	2859 5409	2559 0738
24 hours complaint hotline			5699 5730	

Table 1.1 Contact Information of Key Personnel

1.3 Construction Programme

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



1.4 Construction Works Undertaken During the Reporting Month

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

Table 1.2 Construction Activities During Reporting Month

Description of Activities	Site Area
Landscape maintenance works	SHT East Portal
Removal of Temporary Toe Loading Platform	Portion X





2 Air Quality Monitoring

2.1 Monitoring Requirements

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

Monitoring Station	Action Level, µg/m³	Limit Level, µg/m³	
AMS 5 – Ma Wan Chung Village (Tung Chung)	352	500	
AMS 6 – Dragonair / CNAC (Group) Building (HKIA)	360	500	

Table 2.1	Action :	and Limit	I ovole	for 1-hour TSP

Table 2.2 Action and Limit Levels for 24-hour TSP

Monitoring Station	Action Level, μg/m³	Limit Level, µg/m³
AMS 5 – Ma Wan Chung Village (Tung Chung)	164	260
AMS 6 – Dragonair / CNAC (Group) Building (HKIA)	173	260

2.2 Monitoring Equipment

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

Table 2.3	Air Quality	Monitoring	Equipment
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Equipment	Brand and Model
Portable direct reading dust meter (1-hour TSP)	Sibata Digital Dust Indicator (Model No. LD-5R)
High Volume Sampler (24-hour TSP)	Tisch Environmental Mass Flow Controlled Total Suspended Particulate (TSP) High Volume Air Sampler (Model No. TE- 5170)

2.3 Monitoring Locations

- 2.3.1 Monitoring locations AMS5 was set up at the proposed locations in accordance with Contract Specific EM&A Manual.
- 2.3.2 Figure 2.1 shows the locations of monitoring stations. Table 2.4 describes the details of the monitoring stations. The existing air quality monitoring location AMS6 Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 1 hr and 24 hr air quality monitoring at AMS6 was temporarily suspended starting from 1 April 2021. A new alternative air quality monitoring location is still under processing.



Table 2.4 Locations of Impact Air Quality Monitoring Stations

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

2.4 Monitoring Parameters, Frequency and Duration

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

			-	_	
Table 2.5	Air Quality	Monitoring	Parameters.	Frequency	and Duration

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

2.5 Monitoring Methodology

2.5.1 24-hour TSP Monitoring

- (a) The HVS was installed in the vicinity of the air sensitive receivers. The following criteria were considered in the installation of the HVS.
 - (i) A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.
 - (ii) The distance between the HVS and any obstacles, such as buildings, was at least twice the height that the obstacle protrudes above the HVS.
 - (iii) A minimum of 2 meters separation from walls, parapets and penthouse for rooftop sampler was provided.
 - (iv) No furnace or incinerator flues are nearby.
 - (v) Airflow around the sampler was unrestricted.
 - (vi) Permission was obtained to set up the samplers and access to the monitoring stations.
 - (vii) A secured supply of electricity was obtained to operate the samplers.
 - (viii) The sampler was located more than 20 meters from any dripline.
 - (ix) Any wire fence and gate, required to protect the sampler, did not obstruct the monitoring process.
 - (x) Flow control accuracy was kept within ±2.5% deviation over 24-hour sampling period.
- (b) Preparation of Filter Papers
 - (i) Glass fibre filters, G810 were labelled and sufficient filters that were clean and without pinholes were selected.
 - (ii) All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ±3 °C; the relative humidity (RH) was < 50% and not variable by more than ±5%. A convenient working RH was 40%.





- (iii) All filter papers were prepared and analysed by ALS Technichem (HK) Pty Ltd., which is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.
- (c) Field Monitoring
 - (i) The power supply was checked to ensure the HVS works properly.
 - (ii) The filter holder and the area surrounding the filter were cleaned.
 - (iii) The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
 - (iv) The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
 - (v) The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied was sufficient to avoid air leakage at the edges.
 - (vi) Then the shelter lid was closed and was secured with the aluminium strip.
 - (vii) The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
 - (viii) A new flow rate record sheet was set into the flow recorder.
 - (ix) On site temperature and atmospheric pressure readings were taken and the flow rate of the HVS was checked and adjusted at around 1.1 m³/min, and complied with the range specified in the Updated EM&A Manual for HKLR (Version 1.0) (i.e. 0.6-1.7 m³/min).
 - (x) The programmable digital timer was set for a sampling period of 24 hours, and the starting time, weather condition and the filter number were recorded.
 - (xi) The initial elapsed time was recorded.
 - (xii) At the end of sampling, on site temperature and atmospheric pressure readings were taken and the final flow rate of the HVS was checked and recorded.
 - (xiii) The final elapsed time was recorded.
 - (xiv) The sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
 - (xv) It was then placed in a clean plastic envelope and sealed.
 - (xvi) All monitoring information was recorded on a standard data sheet.
 - (xvii) Filters were then sent to ALS Technichem (HK) Pty Ltd. for analysis.
- (d) Maintenance and Calibration
 - (i) The HVS and its accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
 - (ii) 5-point calibration of the HVS was conducted using TE-5025A Calibration Kit prior to the commencement of baseline monitoring. Bi-monthly 5-point calibration of the HVS will be carried out during impact monitoring.
 - (iii) Calibration certificate of the HVSs are provided in **Appendix C**.
- 2.5.2 1-hour TSP Monitoring
 - (a) Measuring Procedures

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

(i) Turn the power on.



- (ii) Close the air collecting opening cover.
- (iii) Push the "TIME SETTING" switch to [BG].
- (iv) Push "START/STOP" switch to perform background measurement for 6 seconds
- (v) Turn the knob at SENSI ADJ position to insert the light scattering plate.
- (vi) Leave the equipment for 1 minute upon "SPAN CHECK" is indicated in the display.
- (vii) Push "START/STOP" switch to perform automatic sensitivity adjustment. This measurement takes 1 minute.
- (viii) Pull out the knob and return it to MEASURE position.
- Push the "TIME SETTING" switch the time set in the display to 3 hours. (ix)
- (x) Lower down the air collection opening cover.
- Push "START/STOP" switch to start measurement. (xi)
- Maintenance and Calibration (b)
 - The 1-hour TSP meter was calibrated at 1-year intervals against a Tisch (i) Environmental Mass Flow Controlled Total Suspended Particulate (TSP) High Volume Air Sampler. Calibration certificates of the Laser Dust Monitors are provided in Appendix C.

2.6 Monitoring Schedule for the Reporting Month

2.6.1 The schedule for air quality monitoring in February 2023 is provided in Appendix D.

2.7 **Monitoring Results**

2.7.1 The monitoring results for 1-hour TSP and 24-hour TSP are summarized in Tables 2.6 and 2.7 respectively. Detailed impact air quality monitoring results and relevant graphical plots are presented in Appendix E. The existing air quality monitoring location AMS6 - Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 1hr and 24-hr TSP monitoring at AMS6 was temporarily suspended starting from 1 April 2021.

Monitoring	Average	Range (µg/m³)		Limit Leve
Table 2.6	Summary of 1-h	our TSP Monitoring R	esults During the Report	ing Month

Monitoring Station	Average (μg/m³)	Range (µg/m³)	Action Level (μg/m³)	Limit Level (µg/m³)
AMS5	52	33-114	352	500
AMS6			360	500

Table 2.7

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

Monitoring Station	Average (μg/m³)	Range (µg/m³)	Action Level (μg/m³)	Limit Level (µg/m³)
AMS5	70	31-96	164	260
AMS6			173	260

272 No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at station AMS5 during the reporting month. The event action plan is annexed in **Appendix F**.





2.7.3 On-site wind meter was irreparably damaged and the wind data could not be retrieved since August 2019. As the wind data could not be monitored, the wind data during this reporting month were reference to the wind data obtained from Hong Kong Observatory's Chek Lap Kok weather station. The wind data obtained from Chek Lap Kok weather station are shown in **Appendix G**.





3 Noise Monitoring

3.1 Monitoring Requirements

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

Table 3.1	Action and Limit I	evels for Noise	during Cons	truction Period
Table 5.1	ACTION AND LIMIT		uuring cons	Induction Feriod

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

3.2 Monitoring Equipment

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

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

3.3 Monitoring Locations

- 3.3.1 Monitoring location NMS5 was set up at the proposed locations in accordance with Contract Specific EM&A Manual.
- 3.3.2 **Figure 2.1** shows the locations of monitoring stations. **Table 3.3** describes the details of the monitoring stations.

Table 3.3	Locations	of Impact Noise	Monitoring Stations
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Monitoring Station	Location
NMS5	Ma Wan Chung Village (Ma Wan Chung Resident Association) (Tung Chung)

3.4 Monitoring Parameters, Frequency and Duration

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





Table 3.4 Noise Monitoring Parameters, Frequency and Duration

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

3.5 Monitoring Methodology

3.5.1 Monitoring Procedure

(c)

- (a) The sound level meter was set on a tripod at a height of 1.2 m above the podium for free-field measurements at NMS5. A correction of +3 dB(A) shall be made to the free field measurements.
- (b) The battery condition was checked to ensure the correct functioning of the meter.
 - 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-minutes)} during non-restricted hours i.e. 07:00 1900 on normal weekdays
- (d) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94.0 dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after recalibration or repair of the equipment.
- (e) During the monitoring period, the L_{eq}, L₁₀ and L₉₀ were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- (f) Noise measurement was paused during periods of high intrusive noise (e.g. dog barking, helicopter noise) if possible. Observations were recorded when intrusive noise was unavoidable.
- (g) Noise monitoring was cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind with gusts exceeding 10m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.
- 3.5.2 Maintenance and Calibration
 - (a) The microphone head of the sound level meter was cleaned with soft cloth at regular intervals.
 - (b) The meter and calibrator were sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
 - (c) Calibration certificates of the sound level meters and acoustic calibrators are provided in **Appendix C**.

3.6 Monitoring Schedule for the Reporting Month

3.6.1 The schedule for construction noise monitoring in February 2023 is provided in **Appendix D**.





3.7 Monitoring Results

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

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

Monitoring	Average L _{eq (30 mins)} ,	Range of L _{eq (30 mins)} ,	Limit Level L _{eq (30 mins)} ,	
Station	dB(A)	dB(A)	dB(A)	
NMS5	61	59-64		

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

- 3.7.2 There were no Action and Limit Level exceedances for noise during daytime on normal weekdays of the reporting month
- 3.7.3 Other noise sources during the noise monitoring included aircraft noise, helicopter noise, construction activities by other parties and human activities nearby.
- 3.7.4 The event action plan is annexed in **Appendix F.**





Water Quality Monitoring

4.1 Monitoring Requirements

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

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

Table 4.1 Action and Limit Levels for Water Quality

Notes:

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



than the limits.

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

4.2 Monitoring Equipment

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

Table 4.2	Water	Quality	Monitoring	Equipment
	Tutor	quanty	monitoring	Equipment

Equipment	Brand and Model
DO and Temperature Meter, Salinity Meter, Turbidimeter and pH Meter	YSI Model 6820 (V2) YSI Pro Quatro
Positioning Equipment	Garmin GPS72H
Water Depth Detector	Lowrance x-4
Water Sampler	Kahlsio Water Sampler (Vertical) 2.2 L with messenger

4.3 Monitoring Parameters, Frequency and Duration

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

Table 4.3	Impact Water Quality Monitoring Parameters and Frequency	У
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Monitoring Stations	Parameter, unit	Frequency	No. of depth
Impact Stations: IS5, IS(Mf)6, IS7, IS8(N), IS(Mf)9 & IS10(N)	 Depth, m Temperature, °C Salinity, ppt 	Three times per week during mid-	3 (1 m below water surface, mid-depth and 1 m above sea bed, except where the water
Control/Far Field Stations: CS2(A) & CS(Mf)5,	 Dissolved Oxygen (DO), mg/L DO Saturation, % Turbidity, NTU 	ebb and mid- flood tides (within ± 1.75 hour of the	depth is less than 6 m, in which case the mid- depth station may be omitted. Should the
Sensitive Receiver Stations: SR3(N), SR4(N2), SR5(N), SR10A(N) & SR10B(N2)	 pH Suspended Solids (SS), mg/L 	predicted time)	water depth be less than 3 m, only the mid- depth station will be monitored).

Remark:

1) Original WQM stations IS8 and SR4(N) are located within the active work area of TCNTE project and the access to the WQM stations IS8 (Coordinate: E814251, N818412) and SR4(N) (Coordinate: E814705, N817859) are blocked by the silt curtains of the Tung Chung New Town Extension (TCNTE) project. Alternative monitoring stations IS8(N) (Coordinate: E814413, N818570) and SR4(N2) (Coordinate: E814688, N817996) were proposed to replace the original monitoring stations IS8 and SR4(N). Proposal for permanently relocating the aforementioned stations was approved by EPD on 20 August 2019. The water quality monitoring has been conducted at stations IS8(N) and SR4(N2) since 21 August 2019.

2) The water quality monitoring programme was temporarily suspended during the reporting month since no marine works were scheduled or conducted, therefore no water quality monitoring was conducted.





4.4 Monitoring Locations

- 4.4.1 In accordance with the Contract Specific EM&A Manual, thirteen stations (6 Impact Stations, 5 Sensitive Receiver Stations and 2 Control Stations) were designated for impact water quality monitoring. The six Impact Stations (IS) were chosen on the basis of their proximity to the reclamation and thus the greatest potential for water quality impacts, the five Sensitive Receiver Stations (SR) were chosen as they are close to the key sensitive receives and the two Control Stations (CS) were chosen to facilitate comparison of the water quality of the IS stations with less influence by the Project/ ambient water quality conditions.
- 4.4.2 A new water quality monitoring team has been employed for carrying out water quality monitoring work for the Contract starting from 23 August 2017. Due to marine work of the Expansion of Hong Kong International Airport into a Three-Runway System (3RS Project), original locations of water quality monitoring stations CS2, SR5 and IS10 are enclosed by works boundary of 3RS Project. Alternative impact water quality monitoring stations, naming as CS2(A), SR5(N) and IS10(N) was approved on 28 July 2017 and were adopted starting from 23 August 2017 to replace the original locations of water quality monitoring for the Contract.
- 4.4.3 The topographical condition of the water monitoring stations SR3(N) (Coordinate: 810525E, 816456N), SR4(N) (Coordinate: 814760E, 817867N), SR10A(N) (Coordinate: 823741E, 823495N) and SR10B(N2) (Coordinate: 823686E, 823213N) cannot be accessed safely for undertaking water quality monitoring. The water quality monitoring has been temporarily conducted at alternative stations, namely SR3(N) (Coordinate: 82364E, 823644E, 823644E), 816591N), SR4(N) (Coordinate: 814705E, 817859N) and SR10A(N) (Coordinate: 823644E, 823484N) since 1 September 2017. The water quality monitoring at station SR10B was temporarily conducted at Coordinate: 823683E, 823187N on 1, 4, 6, 8 September 2017 and has been temporarily fine-tuned to alternative station SR10B(N2) (Coordinate: 823689E, 823159N) since 11 September 2017. Proposal for permanently relocating the aforementioned stations was approved by EPD on 8 January 2018.
- 4.4.4 Original WQM stations IS8 and SR4(N) are located within the active work area of TCNTE project and the access to the WQM stations IS8 (Coordinate: E814251, N818412) and SR4(N) (Coordinate: E814705, N817859) are blocked by the silt curtains of the Tung Chung New Town Extension (TCNTE) project. Alternative monitoring stations IS8(N) (Coordinate: E814413, N818570) and SR4(N2) (Coordinate: E814688, N817996) were proposed to replace the original monitoring stations IS8 and SR4(N). Proposal for permanently relocating the aforementioned stations was approved by EPD on 20 August 2019. The water quality monitoring has been conducted at stations IS8(N) and SR4(N2) since 21 August 2019.
- 4.4.5 The access to the WQM station SR4(N2) (Coordinate: E814688, N817996) is blocked by the silt curtains of the Tung Chung New Town Extension (TCNTE) project. Water quality monitoring was temporarily conducted at alternative stations, namely SR4(N3) (Coordinate: E814779, N818032) in February 2023. Alternative monitoring station SR4(N3) (Coordinate: E814779, N818032) is proposed to replace the monitoring station SR4(N2). Proposal for permanently relocating the aforementioned station is in progress.
- 4.4.6 The locations of water quality monitoring stations are summarized in **Table 4.4** and shown in **Figure 2.1**.

Monitoring	Description	Coordinates		
Stations	Description	Easting	Northing	
IS5	Impact Station (Close to HKLR construction site)	811579	817106	
IS(Mf)6	Impact Station (Close to HKLR construction site)	812101	817873	
IS7	Impact Station (Close to HKBCF construction site)	812244	818777	

Table 4.4 Impact Water Quality Monitoring Stations



/∎∖	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

Monitoring	Description	Coordinates		
Stations	Description	Easting	Northing	
IS8(N)	Impact Station (Close to HKBCF construction site)	814413	818570	
IS(Mf)9	Impact Station (Close to HKBCF construction site)	813273	818850	
IS10(N)	Impact Station (Close to HKBCF construction site)	812942	820881	
SR3(N)	Sensitive receivers (San Tau SSSI)	810689	816591	
SR4(N3)*	Sensitive receivers (Tai Ho Inlet)	814779	818032	
SR5(N)	Sensitive Receivers (Artificial Reef in NE Airport)	812569	821475	
SR10A(N)	Sensitive receivers (Ma Wan Fish Culture Zone)	823644	823484	
SR10B(N2)	Sensitive receivers (Ma Wan Fish Culture Zone)	823689	823159	
CS2(A)	Control Station (Mid-Ebb)	805232	818606	
CS(Mf)5	Control Station (Mid-Flood)	817990	821129	

Remark:

* The access to the WQM station SR4(N2) (Coordinate: E814688, N817996) is blocked by the silt curtains of the Tung Chung New Town Extension (TCNTE) project. Water quality monitoring was temporarily conducted at alternative stations, namely SR4(N3) (Coordinate: E814779, N818032).

4.5 Monitoring Methodology

4.5.1 Instrumentation

- (a) The in-situ water quality parameters including dissolved oxygen, temperature, salinity and turbidity, pH were measured by multi-parameter meters.
- 4.5.2 Operating/Analytical Procedures
 - (a) Digital Differential Global Positioning Systems (DGPS) were used to ensure that the correct location was selected prior to sample collection.
 - (b) Portable, battery-operated echo sounders were used for the determination of water depth at each designated monitoring station.
 - (c) All in-situ measurements were taken at 3 water depths, 1 m below water surface, middepth and 1 m above sea bed, except where the water depth was less than 6 m, in which case the mid-depth station was omitted. Should the water depth be less than 3 m, only the mid-depth station was monitored.
 - (d) At each measurement/sampling depth, two consecutive in-situ monitoring (DO concentration and saturation, temperature, turbidity, pH, salinity) and water sample for SS. The probes were retrieved out of the water after the first measurement and then re-deployed for the second measurement. Where the difference in the value between the first and second readings of DO or turbidity parameters was more than 25% of the value of the first reading, the reading was discarded and further readings were taken.
 - (e) Duplicate samples from each independent sampling event were collected for SS measurement. Water samples were collected using the water samplers and the samples were stored in high-density polythene bottles. Water samples collected were well-mixed in the water sampler prior to pre-rinsing and transferring to sample bottles. Sample bottles were pre-rinsed with the same water samples. The sample bottles were then be packed in cool-boxes (cooled at 4°C without being frozen), and delivered to ALS Technichem (HK) Pty Ltd. for the analysis of suspended solids concentrations. The laboratory determination work would be started within 24 hours after collection of the water samples. ALS Technichem (HK) Pty Ltd. is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.



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

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

Table 4.5 Laboratory Analysis for Suspended Solids

- (g) Other relevant data were recorded, including monitoring location / position, time, water depth, tidal stages, weather conditions and any special phenomena or work underway at the construction site in the field log sheet for information.
- 4.5.3 Maintenance and Calibrations
 - (a) All in situ monitoring instruments would be calibrated by ALS Technichem (HK) Pty Ltd. before use and at 3-monthly intervals throughout all stages of the water quality monitoring programme.

4.6 Monitoring Schedule for the Reporting Month

4.6.1 The schedule for impact water quality monitoring in February 2023 is provided in **Appendix D**.

4.7 Monitoring Results

- 4.7.1 Impact water quality monitoring was conducted at all designated monitoring stations in February 2023 during the reporting month. Impact water quality monitoring results and relevant graphical plots are provided in **Appendix E**.
- 4.7.2 Water quality impact sources during water quality monitoring were nearby construction activities by other parties and nearby operating vessels by other parties.
- 4.7.3 For marine water quality monitoring, no Action Level and Limit Level exceedances of dissolved oxygen level, turbidity level and suspended solid level were recorded during the reporting month.
- 4.7.4 The event action plan is annexed in **Appendix F**.





5 Dolphin Monitoring

5.1 Monitoring Requirements

- 5.1.1 Impact dolphin monitoring is required to be conducted by a qualified dolphin specialist team to evaluate whether there have been any effects on the dolphins.
- 5.1.2 The Action Level and Limit Level for dolphin monitoring are shown in **Table 5.1**.

 Table 5.1
 Action and Limit Levels for Dolphin Monitoring

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

Remarks:

1. STG means quarterly encounter rate of number of dolphin sightings.

2. ANI means quarterly encounter rate of total number of dolphins.

- 3. For North Lantau Social Cluster, AL will be trigger if either NEL or NWL fall below the criteria; LL will be triggered if both NEL and NWL fall below the criteria.
- 5.1.3 The revised Event and Action Plan for dolphin Monitoring was approved by EPD in 6 May 2013. The revised Event and Action Plan is annexed in **Appendix F.**

5.2 Monitoring Methodology

Vessel-based Line-transect Survey

5.2.1 According to the requirement of the updated EM&A manual, dolphin monitoring programme should cover all transect lines in NEL and NWL survey areas (see Figure 2.2) twice per month throughout the entire construction period. The co-ordinates of all transect lines are shown in Table 5.2. The coordinates of several starting and ending points have been revised due to the presence of a work zone to the north of the airport platform with intense construction activities in association with the construction of the third runway expansion for the Hong Kong International Airport. The EPD issued a memo and confirmed that they had no objection on the revised transect lines on 28 July 2017, and the revised coordinates are in red and marked with an asterisk in Table 5.2.

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

Table 5.2 Co-ordinates of Transect Lines



HIGHWAYS DEPARTMENT 港珠澳大橋香港工程管理處

Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 125th Monthly EM&A Report

	Line No.	Easting	Northing	Line No.		Easting	Northing
6	Start Point	809490	822150*	18	Start Point	821504	822371
6	End Point	809490	825352	18	End Point	821504	823761
7	Start Point	810499	822000*	19	Start Point	822513	823268
7	End Point	810499	824613	19	End Point	822513	824321
8	Start Point	811508	821123	20	Start Point	823477	823402
8	End Point	811508	824254	20	End Point	823477	824613
9	Start Point	812516	821303	21	Start Point	805476	827081
9	End Point	812516	824254	21	End Point	805476	830562
10	Start Point	813525	821176	22	Start Point	806464	824033
10	End Point	813525	824657	22	End Point	806464	829598
11	Start Point	814556	818853	23	Start Point	814559	821739
11	End Point	814556	820992	23	End Point	814559	824768
12	Start Point	815542	818807	24*	Start Point	805476*	815900*
12	End Point	815542	824882	24*	End Point	805476*	819100*

Note:

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

- 5.2.2 The survey team used standard line-transect methods (Buckland et al. 2001) to conduct the systematic vessel surveys, and followed the same technique of data collection that has been adopted over the last 22 years of marine mammal monitoring surveys in Hong Kong developed by HKCRP (see Hung 2021). For each monitoring vessel survey, a 15-m inboard vessel with an open upper deck (about 4.5 m above water surface) was used to make observations from the flying bridge area.
- 5.2.3 Two experienced observers (a data recorder and a primary observer) made up the on-effort survey team, and the survey vessel transited different transect lines at a constant speed of 13-15 km per hour. The data recorder searched with unaided eyes and filled out the datasheets, while the primary observer searched for dolphins and porpoises continuously through 7 x 50 *Fujinon* marine binoculars. Both observers searched the sea ahead of the vessel, between 270° and 90° (in relation to the bow, which is defined as 0°). One to two additional experienced observers were available on the boat to work in shift (i.e. rotate every 30 minutes) in order to minimize fatigue of the survey team members. All observers were experienced in small cetacean survey techniques and identifying local cetacean species.
- 5.2.4 During on-effort survey periods, the survey team recorded effort data including time, position (latitude and longitude), weather conditions (Beaufort sea state and visibility), and distance traveled in each series (a continuous period of search effort) with the assistance of a handheld GPS (*Garmin eTrex Legend*).
- 5.2.5 Data including time, position and vessel speed were also automatically and continuously logged by handheld GPS throughout the entire survey for subsequent review.
- 5.2.6 When dolphins were sighted, the survey team would end the survey effort, and immediately record the initial sighting distance and angle of the dolphin group from the survey vessel, as well as the sighting time and position. Then the research vessel was diverted from its course to approach the animals for species identification, group size estimation, assessment of group composition, and behavioural observations. The perpendicular distance (PSD) of the dolphin group to the transect line was later calculated from the initial sighting distance and angle.
- 5.2.7 Survey effort being conducted along the parallel transect lines that were perpendicular to the coastlines (as indicated in **Figure 2.2**) was labeled as "primary" survey effort, while the survey



effort conducted along the connecting lines between parallel lines was labeled as "secondary" survey effort. According to HKCRP long-term dolphin monitoring data, encounter rates of Chinese white dolphins deduced from effort and sighting data collected along primary and secondary lines were similar in NEL and NWL survey areas. Therefore, both primary and secondary survey effort were presented as on-effort survey effort in this report.

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

Photo-identification Work

- 5.2.9 When a group of Chinese White Dolphins were sighted during the line-transect survey, the survey team would end effort and approach the group slowly from the side and behind to take photographs of them. Every attempt was made to photograph every dolphin in the group, and even photograph both sides of the dolphins, since the colouration and markings on both sides may not be symmetrical.
- 5.2.10 A professional digital camera (*Canon* EOS 7D model), equipped with long telephoto lenses (100-400 mm zoom), were available on board for researchers to take sharp, close-up photographs of dolphins as they surfaced. The images were shot at the highest available resolution and stored on Compact Flash memory cards for downloading onto a computer.
- 5.2.11 All digital images taken in the field were first examined, and those containing potentially identifiable individuals were sorted out. These photographs would then be examined in greater detail and were carefully compared to the existing Chinese White Dolphin photo-identification catalogue maintained by HKCRP since 1995.
- 5.2.12 Chinese White Dolphins can be identified by their natural markings, such as nicks, cuts, scars and deformities on their dorsal fin and body, and their unique spotting patterns were also used as secondary identifying features (Jefferson 2000).
- 5.2.13 All photographs of each individual were then compiled and arranged in chronological order, with data including the date and location first identified (initial sighting), re-sightings, associated dolphins, distinctive features, and age classes entered into a computer database.

5.3 Monitoring Results

Vessel-based Line-transect Survey

- 5.3.1 During the month of February 2023, two sets of systematic line-transect vessel surveys were conducted on the 3rd, 8th, 14th, and 16th to cover all transect lines in NWL and NEL survey areas twice. The survey routes of each survey day are presented in **Figures 2-5 of Appendix H**.
- 5.3.2 From these surveys a total of 266.76 km of survey effort was collected, with 100% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility) (Annex I of Appendix H).
- 5.3.3 Among the two survey areas, 95.73 km and 171.03 km of survey effort were collected from NEL and NWL survey areas respectively. Moreover, the total survey effort conducted on primary lines was 194.25 km, while the effort on secondary lines was 72.51 km.
- 5.3.4 During the two sets of monitoring surveys in February 2023, only one group of seven Chinese White Dolphins was sighted (see **Annex II of Appendix H**). This dolphin sighting was made in NWL, while none was sighted in NEL. Furthermore, the single dolphin sighting was made on primary line during on-effort search, and it was not associated with any operating fishing vessel.





- 5.3.5 Distribution of the dolphin sighting made in February 2023 is shown in Figure 6 of Appendix
 H. Sighting of the dolphin group was located at the southwestern corner of NWL survey area, near the western territorial boundary between HKLR09 alignment and the airport platform (Figure 6 of Appendix H).
- 5.3.6 During the February's surveys, encounter rates of Chinese White Dolphins deduced from the survey effort and on-effort sighting data made under favourable conditions (Beaufort 3 or below) are shown in **Tables 5.3 and 5.4**.

Table 5.3Dolphin encounter rates deduced from the two sets of surveys (twosurveys in each set) in February 2023 in Northeast (NEL) and Northwest Lautau (NWL)

		Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort) Primary Lines Only	Encounter rate (ANI) (no. of dolphins from all on-effort sightings per 100 km of survey effort) Primary Lines Only
NEL	Set 1: February 3 rd / 8 th	0.0	0.0
NEL	Set 2: February 14 th / 16 th	0.0	0.0
NWL	Set 1: February 3 rd / 8 th	0.0	0.0
	Set 2: February 14 th / 16 th	1.6	6.3

Table 5.4 Overall dolphin encounter rates (sighting per 100 km of survey effort) from all surveys conducted in February 2023 on primary lines only as well as both primary lines and secondary lines in Northeast and Northwest Lantau

	(no. of on-ef	n ter rate (STG) fort dolphin sightings m of survey effort)	Encounter rate (ANI) (no. of dolphins from all on-effort sightings per 100 km of survey effort)		
	Primary Both Primary and Lines Only Secondary Lines		Primary Lines Only	Both Primary and Secondary Lines	
Northeast Lantau	0.0	0.0	0.0	0.0	
Northwest Lantau	0.8 0.6		3.3	2.3	

Photo-identification Work

- 5.3.7 Two of the four dolphins sighted during the monitoring month were identified as known individual dolphins from the photo-identification catalogue. (Annex III and IV of Appendix H)
- 5.3.8 Both individuals were sighted only once during the single sighting made in February 2023, and neither of them was associated with any young calf. Notably, these two individuals (SL59 and WL307) were never sighted before in previous monitoring surveys in North Lantau waters during the HZMB monitoring in the past decades, and their ranges were primarily in WL and SWL waters in the past.

5.4 Conclusion

- 5.4.1 During this month of dolphin monitoring, no adverse impact from the activities of this construction project on Chinese White Dolphins was noticeable from general observations.
- 5.4.2 Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any impacts on dolphins have been detected related to the construction activities of this project in the quarterly EM&A report, where comparison on distribution, group size and encounter rates of dolphins between the quarterly impact monitoring period (December 2022-February 2023) and the 3-month baseline monitoring period will be made.





5.5 References

- Buckland, S. T., Anderson, D. R., Burnham, K. P., Laake, J. L., Borchers, D. L., and Thomas,
 L. 2001. Introduction to distance sampling: estimating abundance of biological populations.
 Oxford University Press, London.
- Hung, S. K. 2021. Monitoring of Marine Mammals in Hong Kong waters: final report (2020-21). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department, 154 pp.
- Jefferson, T. A. 2000. Population biology of the Indo-Pacific hump-backed dolphin in Hong Kong waters. Wildlife Monographs 144:1-65.





Environmental Site Inspection and Audit

6.1 Site Inspection

- 6.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. During the reporting month, five site inspections were carried out on 7, 17, 23 and 28 February 2023.
- 6.1.2 A summary of observations found during the site inspections and the follow up actions taken by the Contractor/ recommendation are described in **Table 6.1**.

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
4, 10, 17, 26, 31 Jan;	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
7 February 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
17 February 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
23 February 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
28 February 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.

Table 6.1	Summarv	of Environmental Site Inspections
	Cumury	

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 Monthly summary of waste flow table is detailed in Appendix I.
- 6.2.3 The Contractor was reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of 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 month are summarized in **Appendix K**.





6.4 Implementation Status of Environmental Mitigation Measures

- 6.4.1 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix L**. Most of the necessary mitigation measures were implemented properly.
- 6.4.2 Regular marine travel route for marine vessels were implemented properly in accordance to the submitted plan and relevant records were kept properly.
- 6.4.3 Dolphin Watching Plan was implemented during the reporting month. No dolphins inside the silt curtain were observed. The relevant records were kept properly.
- 6.5 Summary of Exceedances of the Environmental Quality Performance Limit
- 6.5.1 For air quality, no Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at station AMS5 during the reporting month.
- 6.5.2 For construction noise, no Action and Limit Level exceedances were recorded at station NMS5 during the reporting month.
- 6.5.3 For marine water quality monitoring, no Action Level and Limit Level exceedances of dissolved oxygen level, turbidity level and suspended solid level were recorded during the reporting month
- 6.6 Summary of Complaints, Notification of Summons and Successful Prosecution
- 6.6.1 There was no complaint received in relation to the environmental impacts during this reporting month.
- 6.6.2 The details of cumulative statistics of Environmental Complaints are provided in **Appendix J**.
- 6.6.3 No notification of summons and prosecution was received during the reporting period. Statistics on notifications of summons and successful prosecutions are summarized in **Appendix M**.





Future Key Issues

7.1 Construction Programme for the Coming Months

7.1.1 As informed by the Contractor, the major construction activities for March 2023 are summarized in **Table 7.1**.

	Table 7.1	Construction Activities for March2023	
Site Area		Description of Activities	
SHT East Portal		Landscape maintenance works	
Portion X		Removal of Temporary Toe Loading Platform	

7.2 Environmental Monitoring Schedule for the Coming Month

7.2.1 The tentative schedule for environmental monitoring for March 2023 is provided in **Appendix D**.





8 Conclusions

8.1 Conclusions

8.1.1 The construction phase and EM&A programme of the Contract commenced on 17 October 2012. This is the 125th Monthly EM&A report for the Contract which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 28 February 2023.

Air Quality

8.1.2 For air quality, no Action Level and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at station AMS5 during the reporting month.

Noise

8.1.3 For construction noise, no Action and Limit Level exceedances were recorded at station NMS5 during the reporting month.

Water Quality

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

Dolphin

- 8.1.5 During this month of dolphin monitoring, no adverse impact from the activities of this construction project on Chinese White Dolphins was noticeable from general observations.
- 8.1.6 Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any impacts on dolphins have been detected related to the construction activities of this project in the quarterly EM&A report, where comparison on distribution, group size and encounter rates of dolphins between the quarterly impact monitoring period (December 2022 February 2023) and the 3-month baseline monitoring period will be made.

Environmental Site Inspection and Audit

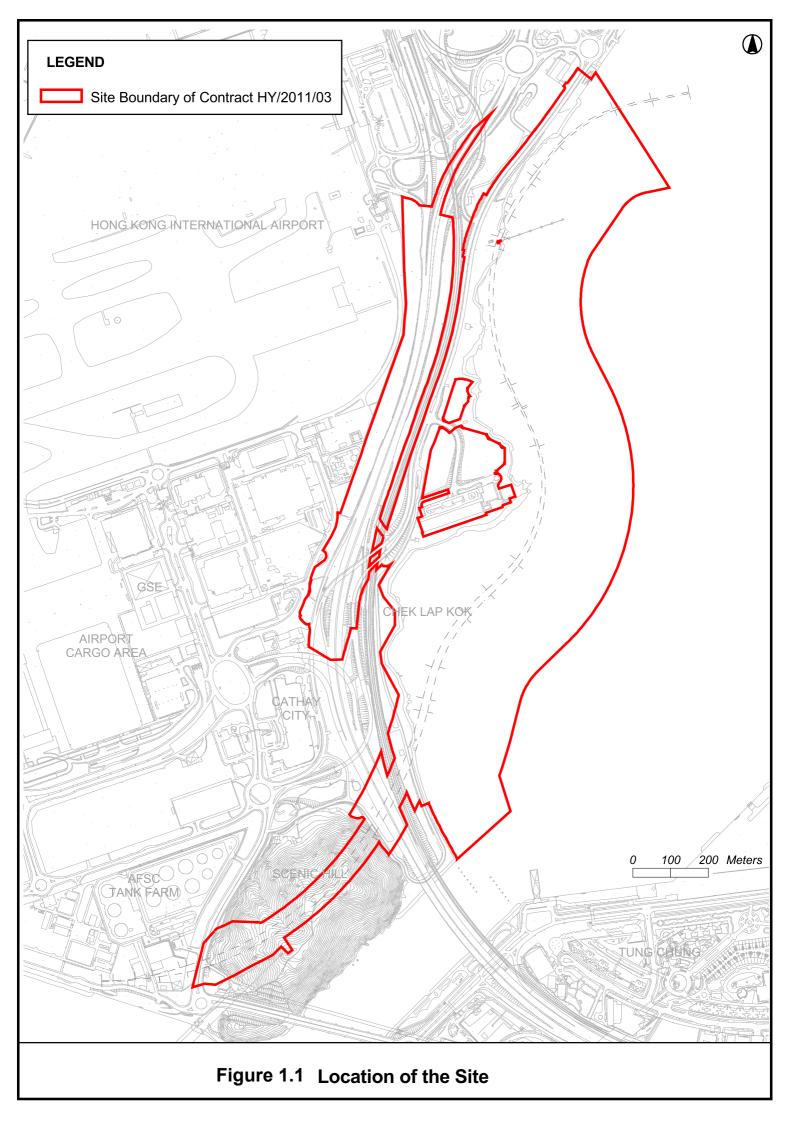
- 8.1.7 Environmental site inspections were carried out on 7, 17, 23 and 28 February 2023. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.
- 8.1.8 There was no complaint received in relation to the environmental impact during the reporting period.
- 8.1.9 No notification of summons and prosecution was received during the reporting period.

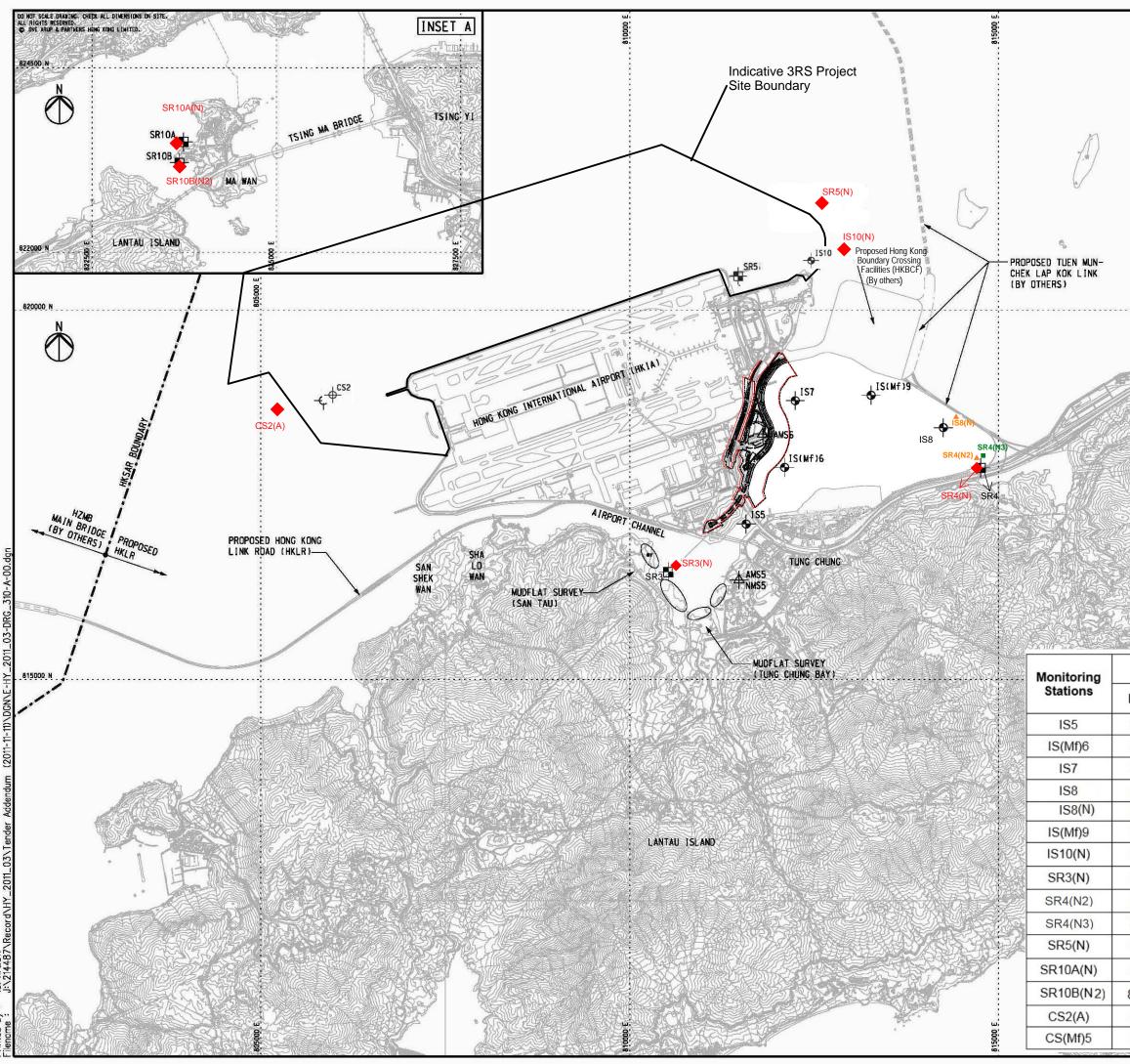




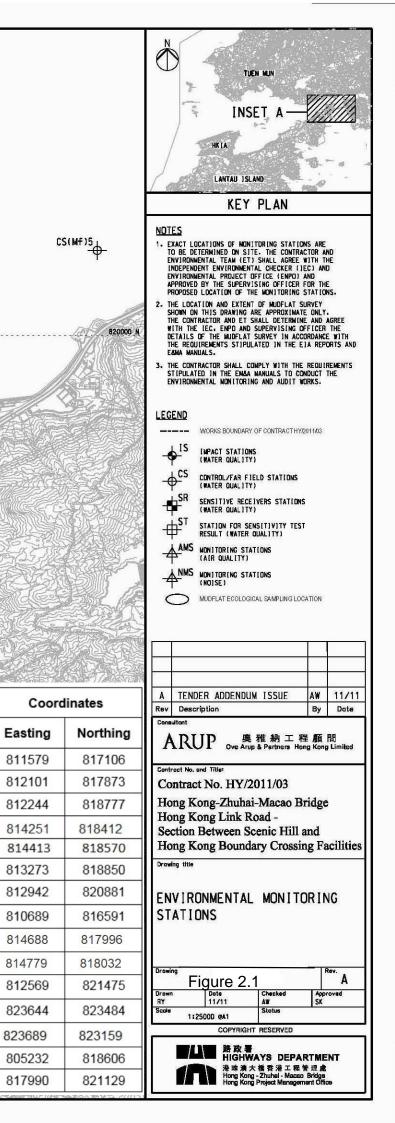
Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 125th Monthly EM&A Report

FIGURES





Printed by : 10/11/2011



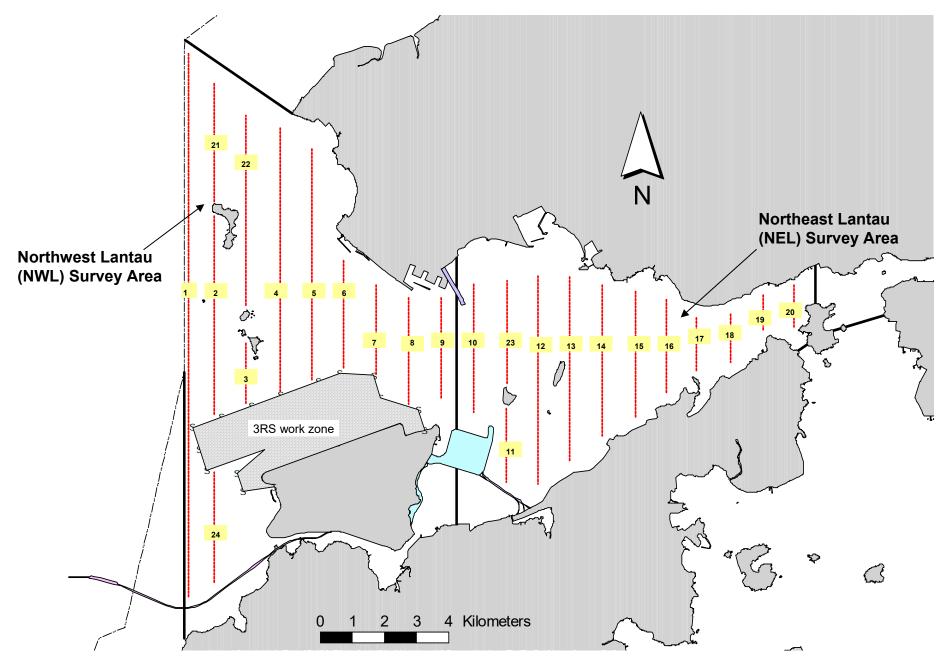


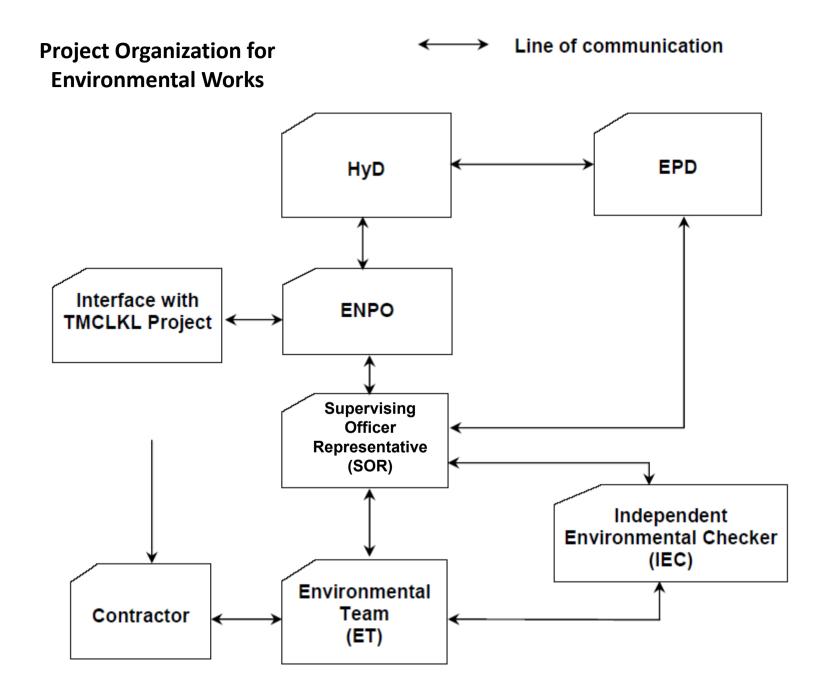
Figure 2.2. Transect Line Layout in Northwest and Northeast Lantau Survey Areas





Environmental Management Structure







Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 125th Monthly EM&A Report

APPENDIX B

Construction Programme





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

Construction Programme (Feb 2023 - May 2023)

Description	Feb-23			Mar-23			Apr-23			May-23						
Description	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4
Landscape maintenance works at SHT East Portal																
Removal of Temporary Toe Loading Platform																



Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 125th Monthly EM&A Report

APPENDIX C

Calibration Certificates





Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C222149 證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號: IC22-0579) Date of Receipt / 收件日期: 29 March 2022 Description / 儀器名稱 : Integrating Sound Level Meter Manufacturer / 製造商 Brüel & Kjær : Model No. / 型號 2238 Serial No. / 编號 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 Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 23 April 2022

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
- Fluke Everett Service Center, USA

Tested By 測試	:	K C Lee Engineer			
Certified By 核證	; _	Chun Un Chan H C Chan Engineer	Date of Issue 簽發日期	:	27 April 2022

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



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C222149 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 : 3003246 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	C220381
CL281	Multifunction Acoustic Calibrator	AV210017

- 5. Test procedure : MA101N.
- 6. Results :
- 6.1 Sound Pressure Level :
- 6.1.1 Reference Sound Pressure Level

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

6.1.2 Linearity

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

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

6.2 Time Weighting

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

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



Sun Creation Engineering Limited Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C222149 證書編號

6.3 Frequency Weighting

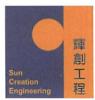
6.3.1 A-Weighting

UUT Setting				Appl	ied Value	UUT	IEC 61672 Class 1
Range	Parameter	Frequency	Time	Level	Freq.	Reading	Spec.
(dB)		Weighting	Weighting	(dB)	18155	(dB)	(dB)
50 - 130	L _{AFP}	А	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	$+1.2 \pm 1.6$
		2.			4 kHz	95.0	$+1.0 \pm 1.6$
					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		Appl	ied Value	UUT	IEC 61672 Class 1	
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Spec. (dB)
					(2.11	·····	
50 - 130	L _{CFP}	С	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
				3.0	4 kHz	93.2	-0.8 ± 1.6
					8 kHz	91.0	-3.0 (+2.1 ; -3.1)
					12.5 kHz	87.8	-6.2 (+3.0 ; -6.0)

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



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C222149 證書編號

Remarks : - UUT Microphone Model No. : 4188 & S/N : 2791360

- Mfr's Spec. : IEC 61672 Class 1

94 dB	: 63 Hz - 125 Hz	: ± 0.35 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)
		250 Hz - 500 Hz 1 kHz 2 kHz - 4 kHz 8 kHz 12.5 kHz 104 dB : 1 kHz

- 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 is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C222148 證書編號

ITEM TESTED / 送檢内 Description / 儀器名稱 Manufacturer / 製造商 Model No. / 型號 Serial No. / 編號	頁 目 : : :	(Job No. / 序引編號:IC22-0579) Sound Calibrator Brüel & Kjær 4231 3003246	Date of Receipt / 收件日期:2	29 March 2022
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 : Line Voltage / 電壓 :	(23	± 2)°C	Relative Humidity / 相對濕度 :	(50 ± 25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 23 April 2022

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
- Fluke Everett Service Center, USA

Tested By 測試	: K/C Lee Engineer		
Certified By 核證	: <u> </u>	Date of Issue : 簽發日期	27 April 2022

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



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C222148 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	C213954
CL281	Multifunction Acoustic Calibrator	AV210017
TST150A	Measuring Amplifier	C221750

- 4. Test procedure : MA100N.
- 5. Results :
- 5.1 Sound Level Accuracy

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

5.2 Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's	Uncertainty of Measured Value
(kHz)	(kHz)	Spec.	(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 is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

ENVIROTECH SERVICES CO.

<u>High-Volume TSP Sampler</u> <u>5-Point Calibration Record</u>

Location	:	AMS5(Ma Wan Chung Village)
Calibrated by	:	P.F.Yeung
Date	:	12/01/2023
<u>Sampler</u> Model Serial Number	:	TE-5170 S/N3640

Calibration Orifice and Stan	dard Calib	oration Relationship
Serial Number	:	2454
Service Date	:	15 December 2022
Slope (m)	:	2.06918
Intercept (b)	:	-0.04220
Correlation Coefficient(r)	:	0.99997
Standard Condition		
Pstd (hpa)	:	1013
Tstd (K)	:	298.18
Calibration Condition		
Pa (hpa)	:	1013
Ta(K)	:	293

R	Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic	IC	Y
				meter/min)		
1	18 holes	12.0	3.026	1.483	56	56.48
2	13 holes	9.2	2.649	1.301	50	50.43
3	10 holes	6.4	2.210	1.088	45	45.39
4	7 holes	4.2	1.790	0.885	37	37.32
5	5 holes	2.7	1.435	0.714	30	30.26

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):<u>33.503</u> Intercept(b):<u>7.317</u>

Correlation Coefficient(r): 0.9952

Checked by: <u>Magnum Fan</u>

Date: 12/01/2023



RECALIBRATION DUE DATE: December 15, 2023

Certificate of alibration

			Calibration	Certification	on Informat	tion		
Cal. Date:	December 15, 2022 Rootsmeter S/N: 4383			438320	8320 Ta: 295 °k		°К	
Operator:	Jim Tisch				Pa: 742.4		mm Hg	
Calibration	Model #:	TE-5025A	Calil	prator S/N:	2454			
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔP	ΔΗ]
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	
	1	1	2	1	1.4060	3.2	2.00	
	- 2	3	4	1	0.9980	6.4	4.00	
	3	5	6	1	0.8900	7.9	5.00	
	4	7	8	1	0.8520	8.8	5.50	
	5	9	10	1	0.7040	12.7	8.00	
			[Data Tabula	tion			
	Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right)}$)(<u>Tstd</u>)		Qa	$\sqrt{\Delta H (Ta/Pa)}$	
	(m3)	(x-axis)	(y-ax	is)	Va	(x-axis)	(y-axis)	
	0.9826	0.6988	1.404	49	0.9957	0.7082	0.8914	
	0.9783	0.9803	1.986		0.9914	0.9934	1.2607	
	0.9763	1.0970	2.223		0.9894	1.1116	1.4095	
	0.9751	1.1445	2.329		0.9881	1.1598	1.4783	
	0.9700	1.3778	2.809		0.9829	1.3962	1.7829	
		m=	2.069				1.29568	
	QSTD	b=	-0.042		QA	b=	-0.02677	
		r=	0.999		1	r=	0.99997	
				Calculatio				
			/Pstd)(Tstd/Ta	a)	Va= Δ Vol((Pa- Δ P)/Pa) Qa= Va/ Δ Time			
	Qstd=	Vstd/∆Time						
	Qstd=	1/m((√∆H(For subsequ Pa <u>Tstd</u> Pstd Ta	$\overline{(b)}$	te calculation Qa=	11	(Ta/Pa))-b)	
	Standard	Conditions						
Tstd:				ſ		RECA	LIBRATION	
Pstd:		mm Hg	9 8 6 C 10					
		Key					nnual recalibratio	30 - 0
		er reading (i					Regulations Part	
		eter reading					Reference Meth	
		perature (°K)				Na	ended Particulate	
Pa: actual barometric pressure (mm Hg)					the	e Atmosphe	re, 9.2.17, page	30
b: intercept								

Tisch Environmental, Inc. 145 South Miami Avenue Village of Cleves, OH 45002 <u>www.tisch-env.com</u> TOLL FREE: (877)263-7610 FAX: (513)467-9009

EQUIPMENT CALIBRATION RECORD

Laser Dust Monitor SIBATA Type : Manufacturer / Brand : LD-5R Model No.: Equipment No.: LD-5R-002 Serial No.: 861988 Sensitivity Adjustment Scale Setting : 621 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:	3-May-2022

Calibration Result

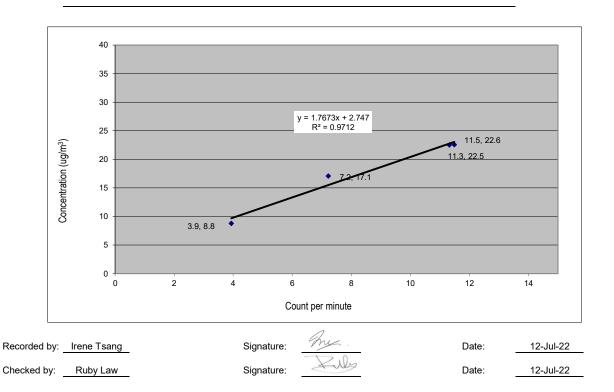
Sensitivity Adjustment Scale Setting (Before Calibration) :	621 CPM	
Sensitivity Adjustment Scale Setting (After Calibration) :	621 CPM	

Date (dd-mmm-yy)	Time		Ambient	Condition	Concentration (ug/m ³)	Total Count	Count/Minute X-axis
			Temp (°C)	R.H. (%)	Y-axis		
02-Jun-22	15:36	16:36	30.0	73%	22.5	679	11.3
02-Jun-22	16:42	17:42	31.4	63%	22.6	689	11.5
22-Jun-22	09:00	10:00	27.3	68%	17.1	433	7.2
22-Jun-22	12:40	13:40	27.7	63%	8.8	236	3.9

Be Linear Regression of Y or X Slope (K-factor): 1.7673 Intercept,b: Correlation coefficient (R): 0.9997

2.7470

Remark: Srong Correlation (R>0.8)





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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: CLIENT:	MR W S CHAN AECOM ASIA COMPANY LIMITED	WORK ORDER:	HK2245496
ADDRESS:	1501-10, 15/F, TOWER 1,	SUB-BATCH:	0
	GRAND CENTRAL PLAZA,	LABORATORY:	HONG KONG
	138 SHATIN RURAL COMMITTEE ROAD,	DATE RECEIVED:	15-Nov-2022
	SHATIN, NEW TERRITORIES, HONG KONG	DATE OF ISSUE:	21-Nov-2022

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the

laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type:Multifunctional MeterService Nature:Performance CheckScope:Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and TemperatureBrand Name/ Model No.:[YSI]/ [6820 V2]Serial No./ Equipment No.:[12A101545]/ [W.026.35]Date of Calibration:15-November-2022

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics

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WORK ORDER: HK2245496

SUB-BATCH:	0
DATE OF ISSUE:	21-Nov-2022
CLIENT:	AECOM ASIA COMPANY LIMITED

Equipment Type:Multifunctional MeterBrand Name/[YSI]/ [6820 V2]Model No.:[12A101545]/ [W.026.35]Serial No./[12A101545]/ [W.026.35]Equipment No.:15-November-2022

Date of Next Calibration:

15-February-2023

PARAMETERS:

Conductivity Method Ref: APHA (23rd edition), 2510B

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	142	-3.3
6667	6663	-0.1
12890	12828	-0.5
58670	56738	-3.3
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.00	3.02	+0.02
5.75	5.69	-0.06
7.85	7.88	+0.03
,	Tolerance Limit (mg/L)	±0.20

pH Value

Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.97	-0.03
7.0	6.95	-0.05
10.0	9.96	-0.04
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics



WORK ORDER. 11KZ243470	WORK	ORDER:	HK2245496
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SUB-BATCH: DATE OF ISSUE: CLIENT:	0 21-Nov-2022 AECOM ASIA COMPANY LIMITED
Equipment Type: Brand Name/ Model No.:	Multifunctional Meter [YSI]/ [6820 V2]
Serial No./	[12A101545]/ [W.026.35]

15-November-2022

PARAMETERS:

Turbidity

Equipment No.: Date of Calibration:

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	
4	4.0	+0.0
10	10.3	+3.0
20	19.8	-1.0
50	47.7	-4.6
100	95.3	-4.7
	Tolerance Limit (%)	±10.0

Date of Next Calibration:

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.04	
10	10.45	+4.5
20	19.85	-0.7
30	28.73	-4.2
	Tolerance Limit (%)	±10.0

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

15-February-2023

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics



WORK ORDER: HK2245496

SUB-BATCH: DATE OF ISSUE: CLIENT:	0 21-Nov-2022 AECOM ASIA COMPANY LIMITED
Equipment Type:	Multifunctional Meter
Brand Name/	1/12/14820 1/21

[YSI]/[6820 V2]

[12A101545]/[W.026.35] 15-November-2022 Date of Calibration:

Date of Next Calibration:

15-February-2023

PARAMETERS:

Equipment No.:

Model No.: Serial No./

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical ch 2008: Working Thermometer Calibration Procedure

uide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure. Expected Reading (°C) Displayed Reading (°C)				
Expected Reading (°C)	Displayed Reading (C)	Tolerance (C)		
10.5	10.58	+0.1		
20.0	20.32	+0.3		
39.5	39.02	-0.5		
	Tolerance Limit (°C)	±2.0		

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

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics



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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: CLIENT:	MR W S CHAN AECOM ASIA COMPANY LIMITED	WORK ORDER:	HK2242816
ADDRESS:	1501-10, 15/F, TOWER 1,	SUB-BATCH:	0
	GRAND CENTRAL PLAZA,	LABORATORY:	HONG KONG
	138 SHATIN RURAL COMMITTEE ROAD,	DATE RECEIVED:	31-Oct-2022
	SHATIN, NEW TERRITORIES, HONG KONG	DATE OF ISSUE:	08-Nov-2022

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the

laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Conductivity, Dissolved Oxygen, pH Value, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [Pro Quatro]
Serial No./ Equipment No.:	[21G105346/21G100583]/ [W.041.01]
Date of Calibration:	03-November-2022

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics

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WORK ORDER:	HK2242816			
SUB-BATCH: DATE OF ISSUE: CLIENT:	0 08-Nov-2022 AECOM ASIA COMPANY LIN	MITED		
Equipment Type: Brand Name/ Model No.: Serial No./ Equipment No.:	Multifunctional Meter [YSI]/ [Pro Quatro]			
	[21G105346/21G100583]/[\	W.041.01]		
Date of Calibration:	03-November-2022	Date of Next Calibration:	03-February-2023	

PARAMETERS:

Conductivity

Method Ref: APHA (23rd edition), 2510B

Expected Reading (mS/cm)	Displayed Reading (mS/cm)	Tolerance (%)
146.9	159.0	+8.2
6667	7106	+6.6
12890	13086	+1.5
58670	59860	+2.0
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.04	2.85	-0.19
4.53	4.44	-0.09
7.87	7.69	-0.18
	Tolerance Limit (mg/L)	±0.20

pH Value

Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.03	+0.03
7.0	7.01	+0.01
10.0	9.98	-0.02
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics

WORK ORDER:	HK2242816		AL	S
SUB-BATCH: DATE OF ISSUE: CLIENT:	0 08-Nov-2022 AECOM ASIA COMPANY LIMIT	ED		
Equipment Type:	Multifunctional Meter			
Brand Name/ Model No.:	[YSI]/ [Pro Quatro]			
Serial No./ Equipment No.:	[21G105346/21G100583]/ [W.0	41.01]		
Date of Calibration:	03-November-2022	Date of Next Calibration:	03-February-2023	

PARAMETERS:

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.01	
10	10.87	+8.7
20	21.82	+9.1
30	31.55	+5.2
	Tolerance Limit (%)	±10.0

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
13.5	13.6	+0.1
22.5	22.3	-0.2
38.5	38.0	-0.5
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics



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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: CLIENT:	MR W S CHAN AECOM ASIA COMPANY LIMITED	WORK ORDER:	HK2245495
ADDRESS:	1501-10, 15/F, TOWER 1,	SUB-BATCH:	0
	GRAND CENTRAL PLAZA,	LABORATORY:	HONG KONG
	138 SHATIN RURAL COMMITTEE ROAD,	DATE RECEIVED:	15-Nov-2022
	SHATIN, NEW TERRITORIES, HONG KONG	DATE OF ISSUE:	21-Nov-2022

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the

laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820 V2]
Serial No./ Equipment No.:	[00H1019]/ [W.026.09]
Date of Calibration:	15-November-2022

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics

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WORK ORDER: HK2245495

SUB-BATCH:0DATE OF ISSUE:21-Nov-2022CLIENT:AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter Brand Name/ [YSI]/ [6820 V2] Model No.: [00H1019]/ [W.026.09] Equipment No.: [00H1019]/ [W.0222 Date of Next Calibration: 1

15-February-2023

PARAMETERS:

Conductivity Method Ref: APHA (23rd edition), 2510B

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	142.0	-3.3
6667	6685	+0.3
12890	12515	-2.9
58670	56108	-4.4
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

Method Ref: APHA (23rd edition), 45000: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.00	2.94	-0.06
5.75	5.87	+0.12
7.85	7.90	+0.05
	Tolerance Limit (mg/L)	±0.20

pH Value

Method Ref: APHA (23rd edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.98	-0.02
7.0	6.97	-0.03
10.0	10.00	+0.00
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics



WORK ORDER:

HK2245495

SUB-BATCH:	0
DATE OF ISSUE:	21-Nov-2022
CLIENT:	AECOM ASIA COMPANY LIMITED
Equipment Type:	Multifunctional Meter

Brand Name/ [YSI]/[6820 V2] Model No.:

[00H1019]/[W.026.09] Date of Calibration: 15-November-2022

Date of Next Calibration:

15-February-2023

PARAMETERS:

Equipment No.:

Serial No./

Turbidity Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.1	
4	4.2	+5.0
10	9.4	-6.0
20	20.1	+0.5
50	49.7	-0.6
100	98.0	-2.0
	Tolerance Limit (%)	±10.0

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.03	
10	10.42	+4.2
20	19.97	-0.2
30	28.87	-3.8
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics



WORK ORDER:	HK2245495			2.00
SUB-BATCH: DATE OF ISSUE: CLIENT:	0 21-Nov-2022 AECOM ASIA COMPANY LIMITE	D		
Equipment Type: Brand Name/ Model No.: Serial No./ Equipment No.: Date of Calibration:	Multifunctional Meter [YSI]/ [6820 V2] [00H1019]/ [W.026.09] 15-November-2022	Date of Next Calibration:	15-February-2023	
Date of Calibration:	15-NOVERIDE:-2022	Date of Next Calibration.	is i contanty house	

PARAMETERS:

Temperature Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.5	10.41	-0.1
20.0	20.02	+0.0
39.5	39.40	-0.1
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris Assistant Manager - Inorganics



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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: CLIENT:	MR W S CHAN AECOM ASIA COMPANY LIMITED	WORK ORDER:	HK2305983
ADDRESS:	1501-10, 15/F, TOWER 1,	SUB-BATCH:	0
	GRAND CENTRAL PLAZA,	LABORATORY:	HONG KONG
	138 SHATIN RURAL COMMITTEE ROAD,	DATE RECEIVED:	14-Feb-2023
	SHATIN, NEW TERRITORIES, HONG KONG	DATE OF ISSUE:	20-Feb-2023

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the

laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820 V2]
Serial No./ Equipment No.:	[00H1019]/ [W.026.09]
Date of Calibration:	14-February-2023

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Mr Chan Siu Ming, Viso Manager - Inorganics

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WORK ORDER:	HK2305983			ALS
SUB-BATCH: DATE OF ISSUE: CLIENT:	0 20-Feb-2023 AECOM ASIA COMPANY LIMIT	ED		
Equipment Type: Brand Name/ Model No.: Serial No./ Equipment No.: Date of Calibration:	Multifunctional Meter [YSI]/ [6820 V2] [00H1019]/ [W.026.09] 14-February-2023	Date of Next Calibration:	14-May-2023	

PARAMETERS:

Turbidity

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	
4	3.9	-2.5
10	9.8	-2.0
20	20.5	+2.5
50	47.9	-4.2
100	98.7	-1.3
	Tolerance Limit (%)	±10.0

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.04	
10	10.06	+0.6
20	19.51	-2.4
30	29.10	-3.0
	Tolerance Limit (%)	±10.0

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

Mr Chan Siu Ming, Vi Manager - Inorganics



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

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: CLIENT:	MR W S CHAN AECOM ASIA COMPANY LIMITED	WORK ORDER:	HK2305984
ADDRESS:	1501-10, 15/F, TOWER 1,	SUB-BATCH:	0
	GRAND CENTRAL PLAZA,	LABORATORY:	HONG KONG
	138 SHATIN RURAL COMMITTEE ROAD,	DATE RECEIVED:	14-Feb-2023
	SHATIN, NEW TERRITORIES, HONG KONG	DATE OF ISSUE:	20-Feb-2023

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the

laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820 V2]
Serial No./ Equipment No.:	[12A101545]/ [W.026.35]
Date of Calibration:	14-February-2023

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Mr Chan Siu Ming, Vice Manager - Inorganics

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WORK ORDER:	HK2305984		ALS
SUB-BATCH: DATE OF ISSUE: CLIENT:	0 20-Feb-2023 AECOM ASIA COMPANY LIMITE	ED	
Equipment Type: Brand Name/ Model No.:	Multifunctional Meter		
	[YSI]/ [6820 V2]		
Serial No./ Equipment No.:	[12A101545]/ [W.026.35]		
Date of Calibration:	14-February-2023	Date of Next Calibration:	14-May-2023

PARAMETERS:

Turbidity

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)		
0	0.2			
4	3.7	-7.5		
10	10.4	+4.0		
20	20.3	+1.5		
50	48.1	-3.8		
100	100.8	+0.8		
	Tolerance Limit (%)	±10.0		

Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)		
0	0.02			
10	9.80	-2.0		
20	19.11	-4.5		
30	28.82	-3.9		
	Tolerance Limit (%)	±10.0		

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

Mr Chan Siu Ming, Vise Manager - Inorganics



Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 125th Monthly EM&A Report

APPENDIX D

Monitoring Schedule



Monitoring Schedule for February 2023

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Data	wonday	Tuesday					
Date			1-Feb	2-Feb	3-Feb	4-Feb	5-Feb
					AMS5 - 24hr Dust		
					1 st Dolphin Monitoring		
			Water Quality Monitoring		Water Quality Monitoring		
Date	6-Feb	7-Feb	8-Feb	9-Feb	10-Feb	11-Feb	12-Feb
	AMS5-1hr Dust, NMS5-Noise			AMS5 - 24hr Dust	AMS5-1hr Dust,		
		1 st Dolphin Monitoring					
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		
Date	13-Feb	14-Feb	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb
			AMS5 - 24hr Dust	AMS5-1hr Dust, NMS5-Noise			
		2 nd Dolphin Monitoring					
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		
Date	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb
		AMS5 - 24hr Dust	AMS5-1hr Dust, NMS5-Noise				
		2 nd Dolphin Monitoring					
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		
Date	27-Feb	28-Feb					
	AMS5 - 24hr Dust	AMS5-1hr Dust, NMS5-Noise					
	Water Quality Monitoring						

Monitoring Schedule for March 2023

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Date	monday	rubbudy	1-Mar	2-Mar	3-Mar	4-Mar	5-Mar
				et	AMS5 - 24hr Dust		
			Water Quality Monitoring	1 st Dolphin Monitoring	Water Quality Monitoring		
Date	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar	12-Mar
	AMS5-1hr Dust, NMS5-Noise	et		AMS5 - 24hr Dust	AMS5-1hr Dust		
	Water Quality Monitoring	1 st Dolphin Monitoring	Water Quality Monitoring		Water Quality Monitoring		
Date	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar	19-Mar
			AMS5 - 24hr Dust	AMS5-1hr Dust, NMS5-Noise			
	Water Quality Monitoring	2 nd Dolphin Monitoring	Water Quality Monitoring		Water Quality Monitoring		
Date	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar
		AMS5 - 24hr Dust	AMS5-1hr Dust, NMS5-Noise				
		2 nd Dolphin Monitoring	Mudflat Monitoring - Ecology Water Quality Monitoring	Mudflat Monitoring - Ecology	Mudflat Monitoring - Ecology		
	Water Quality Monitoring		Mudflat Monitoring - Sedimentation Rate		Water Quality Monitoring		
Date	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar		
	AMS5 - 24hr Dust	AMS5-1hr Dust, NMS5-Noise			AMS5 - 24hr Dust		
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		

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



APPENDIX E

Monitoring Data and Graphical Plots





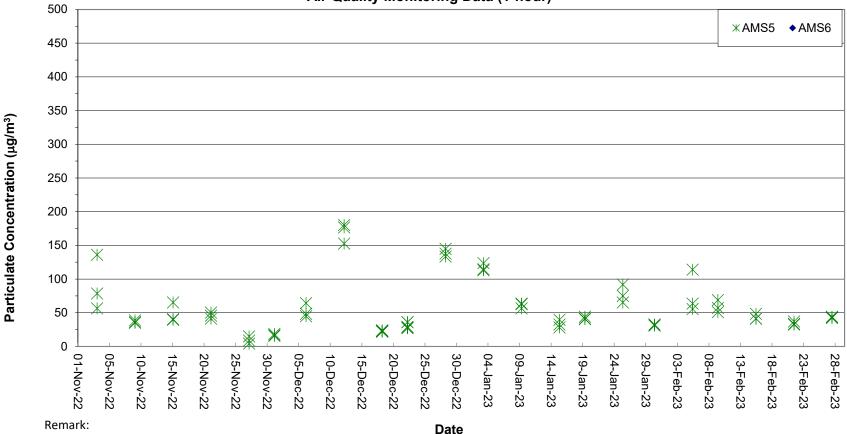
Air Quality Monitoring Data

	-						-
Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2023-02-06	AMS5	9:00	1-hr TSP	114	µg/m³
HKLR	HY/2011/03	2023-02-06	AMS5	10:00	1-hr TSP	64	µg/m³
HKLR	HY/2011/03	2023-02-06	AMS5	11:00	1-hr TSP	56	μg/m³
HKLR	HY/2011/03	2023-02-10	AMS5	13:55	1-hr TSP	51	µg/m³
HKLR	HY/2011/03	2023-02-10	AMS5	14:55	1-hr TSP	58	µg/m³
HKLR	HY/2011/03	2023-02-10	AMS5	15:55	1-hr TSP	69	µg/m³
HKLR	HY/2011/03	2023-02-16	AMS5	9:09	1-hr TSP	42	µg/m³
HKLR	HY/2011/03	2023-02-16	AMS5	10:09	1-hr TSP	42	µg/m³
HKLR	HY/2011/03	2023-02-16	AMS5	11:09	1-hr TSP	49	µg/m³
HKLR	HY/2011/03	2023-02-22	AMS5	9:08	1-hr TSP	34	µg/m³
HKLR	HY/2011/03	2023-02-22	AMS5	10:08	1-hr TSP	37	µg/m³
HKLR	HY/2011/03	2023-02-22	AMS5	11:08	1-hr TSP	33	µg/m³
HKLR	HY/2011/03	2023-02-28	AMS5	9:00	1-hr TSP	43	µg/m³
HKLR	HY/2011/03	2023-02-28	AMS5	10:00	1-hr TSP	44	µg/m³
HKLR	HY/2011/03	2023-02-28	AMS5	11:00	1-hr TSP	43	μg/m ³
HKLR	HY/2011/03	2023-02-03	AMS5	8:00	24-hr TSP	72	µg/m³
HKLR	HY/2011/03	2023-02-09	AMS5	8:00	24-hr TSP	31	µg/m³
HKLR	HY/2011/03	2023-02-15	AMS5	8:00	24-hr TSP	64	μg/m ³
HKLR	HY/2011/03	2023-02-21	AMS5	8:00	24-hr TSP	96	μg/m ³
HKLR	HY/2011/03	2023-02-27	AMS5	8:00	24-hr TSP	89	μg/m ³

Remarks:

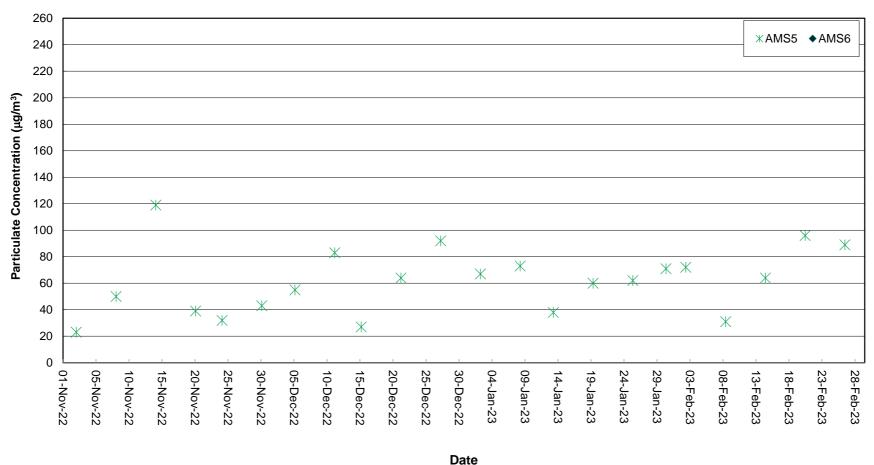
1) The existing air quality monitoring location AMS6 - Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 1hr and 24 hr air quality monitoring at AMS6 was temporarily suspended starting from 1 April 2021.

Graphical Plot of 1-hour TSP at AMS5 and AMS6



Air Quality Monitoring Data (1-hour)

Remark: **Date** 1) The existing air quality monitoring location AMS6 - Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 1-hr TSP monitoring at AMS6 was temporarily suspended starting from 1 April 2021.



Air Quality Monitoring Data (24-hour)

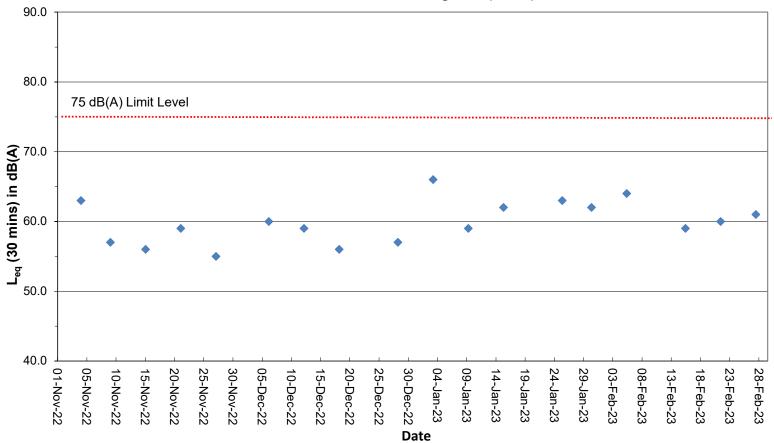
Remarks:

1) The existing air quality monitoring location AMS6 - Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 24-hr TSP monitoring at AMS6 was temporarily suspended starting from 1 April 2021.

Project	Works	Date (yyyy-mm-dd)	Station	Start Time	Wind Speed, m/s	1st s	et 5mins	2nd	set 5mins	3rd s	et 5mins	4th s	set 5mins	5th s	set 5mins	6th s	et 5mins	Over	rall (30mins)*	Unit
						Leq:	57.0	Leq:	59.2	Leq:	60.0	Leq:	60.4	Leq:	61.4	Leq:	64.7	Leq:	64	
HKLR	HY/2011/03	2023-02-06	NMS5	09:00	<5	L10:	60.0	L10:	60.0	L10:	63.0	L10:	64.0	L10:	65.0	L10:	66.5	L10:	67	dB(A)
						L90:	51.5	L90:	50.5	L90:	50.0	L90:	49.5	L90:	47.5	L90:	48.0	L90:	53	
						Leq:	53.7	Leq:	54.9	Leq:	59.9	Leq:	53.6	Leq:	54.6	Leq:	55.8	Leq:	59	
HKLR	HY/2011/03	2023-02-16	NMS5	10:11	<5	L10:	54.5	L10:	57.0	L10:	63.5	L10:	54.5	L10:	57.0	L10:	59.0	L10:	62	dB(A)
					L90:	52.0	L90:	51.5	L90:	51.5	L90:	51.5	L90:	51.0	L90:	51.0	L90:	54		
					Leq:	59.2	Leq:	55.6	Leq:	55.9	Leq:	56.9	Leq:	56.6	Leq:	58.1	Leq:	60		
HKLR	HY/2011/03	2023-02-22	NMS5	09:22	<5	L10:	62.1	L10:	57.0	L10:	57.5	L10:	59.0	L10:	58.5	L10:	60.0	L10:	62	dB(A)
	TIRER 111/2011/03 2					L90:	54.0	L90:	54.0	L90:	53.5	L90:	53.0	L90:	52.5	L90:	54.0	L90:	57	
						Leq:	59.8	Leq:	59.0	Leq:	58.0	Leq:	55.6	Leq:	55.4	Leq:	60.1	Leq:	61	
HKLR	HY/2011/03	2023-02-28	NMS5	09:25	<5	L10:	62.5	L10:	58.5	L10:	60.5	L10:	58.0	L10:	52.0	L10:	62.0	L10:	63	dB(A)
						L90:	58.0	L90:	50.0	L90:	51.5	L90:	51.5	L90:	53.5	L90:	51.0	L90:	57	

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

Graphical Plot of Noise Levels at NMS5



Continuous Noise Monitoring Data (NMS5)

Remarks:

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

		Date (yyyy-mm-dd)	Tide	Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS5	21:41	1.0	Surface	1	1	17.33	7.99	33.69	88.90	6.9	4.0	1.9
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS5	21:41	1.0	Surface	1	2	17.35	7.99	33.68	89.30	7.0	3.9	1.6
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS5	21:41	4.4	Middle	2	1	17.30	7.99	33.81	88.40	6.9	4.5	2.7
	HY/2011/03 HY/2011/03	2023-02-01 2023-02-01	Mid-Ebb Mid-Ebb	Sunny Sunny	IS5 IS5	21:41 21:40	4.4 7.8	Middle Bottom	2	2	17.31 17.29	7.99 7.99	33.80 33.84	88.90 87.60	6.9 6.8	4.3 4.5	2.2 4.5
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS5	21:40	7.8	Bottom	3	2	17.30	7.99	33.81	88.70	6.9	4.5	4.0
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS(Mf)6	21:52	1.0	Surface	1	1	17.30	8.00	33.56	91.10	7.1	4.4	2.7
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS(Mf)6	21:52	1.0	Surface	1	2	17.31	8.01	33.56	90.00	7.0	4.1	2.6
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS(Mf)6	21:52	2.2	Bottom	3	1	17.31	8.00	33.58	89.80	7.0	4.3	2.3
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS(Mf)6	21:52	2.2	Bottom	3	2	17.29	8.03	33.61	88.40	6.9	4.3	2.1
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS7	22:03	1.0	Surface	1	1	17.36	8.03	33.47	92.90	7.2	4.3	3.1
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS7	22:02	1.0	Surface	1	2	17.36	8.03	33.46	90.70	7.1	4.2	2.9
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS7	22:02	2.5	Bottom	3	1	17.32	8.04	33.50	88.80	6.9	4.3	4.9
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS7	22:02	2.5 1.0	Bottom	3	2	17.35	8.03	33.48	90.90	7.1	4.5	4.5 2.7
	HY/2011/03 HY/2011/03	2023-02-01 2023-02-01	Mid-Ebb Mid-Ebb	Sunny Sunny	IS8(N) IS8(N)	22:38 22:38	1.0	Surface Surface	1	1 2	17.41 17.40	8.01 8.01	33.42 33.41	88.10 89.00	6.9 6.9	4.2	3.1
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS8(N)	22:38	2.9	Bottom	3	1	17.39	8.01	33.41	89.00	6.9	4.3	2.3
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS8(N)	22:30	2.9	Bottom	3	2	17.36	8.01	33.45	86.90	6.8	4.7	2.1
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS(Mf)9	22:14	1.0	Surface	1	1	17.31	8.03	33.32	92.20	7.2	4.1	3.9
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS(Mf)9	22:13	1.0	Surface	1	2	17.31	8.04	33.30	90.00	7.0	4.2	3.7
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS(Mf)9	22:14	2.6	Bottom	3	1	17.31	8.03	33.36	90.40	7.1	4.3	5.0
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS(Mf)9	22:13	2.6	Bottom	3	2	17.29	8.05	33.32	87.90	6.9	4.4	4.7
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS10(N)	22:38	1.0	Surface	1	1	17.18	8.16	32.33	83.30	6.4	3.5	3.0
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS10(N)	22:38	1.0	Surface	1	2	17.17	8.15	32.32	82.90	6.4	3.3	3.4
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS10(N)	22:38	5.5	Middle	2	1	17.20	8.15	32.48	82.70	6.4	3.4	2.5
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	IS10(N)	22:38	5.5	Middle	2	2	17.22	8.15	32.49	82.90	6.4	3.6	2.8
	HY/2011/03 HY/2011/03	2023-02-01 2023-02-01	Mid-Ebb Mid-Ebb	Sunny	IS10(N)	22:38 22:37	10.0 10.0	Bottom	3	1 2	17.23 17.23	8.15 8.15	32.53 32.53	82.50 83.00	6.4 6.4	3.6 3.6	2.1 2.4
	HY/2011/03 HY/2011/03	2023-02-01	Mid-Ebb	Sunny Sunny	IS10(N) SR3(N)	22:37	10.0	Bottom Surface	3	1	17.23	7.99	32.53	83.00	6.4	4.1	5.2
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR3(N)	21:31	1.0	Surface	1	2	17.42	7.99	33.28	90.80	7.1	4.1	5.1
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR3(N)	21:32	2.6	Bottom	3	1	17.38	7.99	33.26	89.40	7.0	4.1	2.8
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR3(N)	21:31	2.6	Bottom	3	2	17.40	8.00	33.12	87.00	6.8	4.2	2.4
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR4(N3)	22:30	1.0	Surface	1	1	17.25	8.01	33.22	90.60	7.1	4.5	2.4
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR4(N3)	22:29	1.0	Surface	1	2	17.25	8.01	33.20	89.90	7.0	4.5	2.8
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR4(N3)	22:30	2.8	Bottom	3	1	17.23	8.01	33.24	89.40	7.0	4.8	1.7
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR4(N3)	22:29	2.8	Bottom	3	2	17.23	8.02	33.23	88.70	6.9	4.6	1.9
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR5(N)	22:28	1.0	Surface	1	1	17.20	8.16	32.37	85.40	6.6	3.9	2.3
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR5(N)	22:29	1.0	Surface	1	2	17.19	8.16	32.36	86.70	6.7	3.8	2.5
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR5(N)	22:29	4.2	Middle	2	1	17.19	8.15	32.45	84.70	6.6	4.0	2.2
	HY/2011/03 HY/2011/03	2023-02-01 2023-02-01	Mid-Ebb Mid-Ebb	Sunny Sunny	SR5(N) SR5(N)	22:28 22:28	4.2 7.3	Middle Bottom	2	2	17.19 17.18	8.16 8.15	32.47 32.53	84.10 83.60	6.5 6.5	3.9 4.3	2.0
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR5(N)	22:28	7.3	Bottom	3	2	17.18	8.15	32.53	83.40	6.5	4.5	1.7
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10A(N)	23:35	1.0	Surface	1	1	17.33	8.10	32.95	87.10	6.7	3.8	3.7
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10A(N) SR10A(N)	23:35	1.0	Surface	1	2	17.33	8.17	32.95	84.40	6.5	3.8	3.5
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10A(N)	23:36	6.4	Middle	2	1	17.34	8.16	33.05	82.70	6.4	4.0	3.0
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10A(N)	23:35	6.4	Middle	2	2	17.34	8.16	33.05	84.80	6.5	3.8	3.2
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10A(N)	23:35	11.8	Bottom	3	1	17.34	8.17	33.05	83.90	6.5	3.9	2.7
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10A(N)	23:35	11.8	Bottom	3	2	17.35	8.16	33.05	82.10	6.3	4.0	2.9
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10B(N2)	23:46	1.0	Surface	1	1	17.35	8.17	32.98	81.90	6.3	2.7	4.7
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10B(N2)	23:45	1.0	Surface	1	2	17.36	8.17	32.98	82.20	6.3	2.9	4.3
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10B(N2)	23:46	3.7	Middle	2	1	17.36	8.16	33.03	81.50	6.3	3.0	3.4
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	SR10B(N2)	23:45	3.7	Middle	2	2	17.36	8.17	33.03	81.80	6.3	2.9	3.8
	HY/2011/03 HY/2011/03	2023-02-01	Mid-Ebb Mid-Ebb	Sunny	SR10B(N2)	23:45 23:45	6.4 6.4	Bottom	3	1 2	17.36 17.36	8.17 8.16	33.06 33.05	81.80 81.50	6.3	3.2 3.1	2.6 3.0
	HY/2011/03 HY/2011/03	2023-02-01 2023-02-01	Mid-Ebb Mid-Ebb	Sunny Sunny	SR10B(N2) CS2(A)	23:45	6.4 1.0	Bottom Surface	3	1	17.36	8.16	33.05	91.20	6.3 7.1	3.1 3.6	3.0
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	CS2(A) CS2(A)	21:33	1.0	Surface	1	2	16.65	8.16	32.49	91.20 89.40	7.1	3.5	3.7
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	CS2(A)	21:33	3.5	Middle	2	1	16.65	8.16	32.49	87.90	6.9	5.5	2.6
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	CS2(A)	21:33	3.5	Middle	2	2	16.65	8.15	32.70	89.50	7.0	5.5	2.9
	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	CS2(A)	21:32	5.9	Bottom	3	1	16.66	8.14	32.82	88.60	6.9	5.8	2.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Sunny	CS2(A)	21:33	5.9	Bottom	3	2	16.65	8.15	32.78	87.60	6.9	5.7	2.1
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Fine	CS(Mf)5	23:19	1.0	Surface	1	1	17.33	8.02	33.36	88.00	6.9	3.0	2.9
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Fine	CS(Mf)5	23:18	1.0	Surface	1	2	17.33	8.02	33.35	88.30	6.9	3.0	2.6
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Fine	CS(Mf)5	23:19	6.3	Middle	2	1	17.30	8.00	33.67	86.10	6.8	3.0	3.8
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Fine	CS(Mf)5	23:18	6.3	Middle	2	2	17.23	8.00	33.76	85.40	6.7	3.2	3.5
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Fine	CS(Mf)5	23:19	11.6	Bottom	3	1	17.17	7.99	33.78	86.10	6.8	3.3	4.4
HKLR	HY/2011/03	2023-02-01	Mid-Ebb	Fine	CS(Mf)5	23:18	11.6	Bottom	3	2	17.16	8.00	33.88	84.80	6.7	3.4	4.0
HKLR	HY/2011/03 HY/2011/03	2023-02-01	Mid-Flood Mid-Flood	Fine	IS5 IS5	10:56	1.0 1.0	Surface	1	1 2	17.26	7.98	33.17	87.90	6.9	3.9	6.0 5.4
HKLR	HY/2011/03 HY/2011/03	2023-02-01	Mid-Flood Mid-Flood	Fine	155	10:56	4.2	Surface Middle	1 2	1	17.27 17.26	7.99 7.98	33.17	87.00	6.8	4.0	5.4 4.8
HKLR HKLR	HY/2011/03	2023-02-01 2023-02-01	Mid-Flood	Fine Fine	155	10:56 10:56	4.2	Middle	2	2	17.26	7.98	33.30 33.32	87.30 85.80	6.8 6.7	4.2	4.0
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	155	10:56	7.4	Bottom	3	1	17.20	7.98	33.32	86.80	6.8	4.2	4.5 3.6
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS5	10:55	7.4	Bottom	3	2	17.27	7.98	33.34	84.50	6.6	4.1	3.0
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS(Mf)6	10:35	1.0	Surface	1	1	17.27	7.99	33.17	88.30	6.9	4.1	1.6
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS(Mf)6	10:47	1.0	Surface	1	2	17.27	7.99	33.17	87.10	6.8	4.2	1.8
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS(Mf)6	10:47	2.2	Bottom	3	1	17.27	7.99	33.19	87.70	6.8	4.3	2.5
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS(Mf)6	10:46	2.2	Bottom	3	2	17.29	7.99	33.18	85.10	6.6	4.3	2.3
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS7	10:40	1.0	Surface	1	1	17.35	7.99	33.07	87.80	6.8	4.5	1.6
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS7	10:38	1.0	Surface	1	2	17.35	7.99	33.08	86.50	6.7	4.5	1.8
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS7	10:38	2.3	Bottom	3	1	17.35	7.98	33.10	85.50	6.7	4.6	2.5
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS7	10:38	2.3	Bottom	3	2	17.35	7.99	33.09	87.00	6.8	4.6	2.1
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS8(N)	10:04	1.0	Surface	1	1	17.36	7.98	32.76	87.20	6.8	3.8	1.9
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS8(N)	10:04	1.0	Surface	1	2	17.34	7.98	32.75	88.70	7.0	3.5	1.7
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS8(N)	10:04	3.0	Bottom	3	1	17.36	7.97	32.84	88.00	6.9	4.5	2.4
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS8(N)	10:04	3.0	Bottom	3	2	17.36	7.98	32.84	86.10	6.8	4.7	2.1
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS(Mf)9	10:29	1.0	Surface	1	1	17.31	7.99	32.92	88.90	7.0	3.6	2.3
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS(Mf)9	10:29	1.0	Surface	1	2	17.31	7.99	32.92	87.60	6.9	3.7	2.7
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS(Mf)9	10:28	2.7	Bottom	3	1	17.32	7.99	32.97	85.60	6.7	3.9	3.4
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS(Mf)9	10:29	2.7	Bottom	3	2	17.31	7.99	32.97	88.40	6.9	3.8	3.6
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS10(N)	10:23	1.0	Surface	1	1	16.92	8.14	32.15	88.70	6.9	4.7	4.7
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS10(N)	10:24	1.0	Surface	1	2	16.95	8.15	32.18	90.80	7.1	4.6	4.2
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS10(N)	10:23	5.5	Middle	2	1	17.08	8.13	32.42	85.10	6.6	5.2	3.6
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS10(N)	10:24	5.5	Middle	2	2	17.09	8.15	32.43	86.50	6.8	5.1	4.0
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS10(N)	10:23	9.9	Bottom	3	1	17.08	8.14	32.44	84.70	6.6	5.1	3.0
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	IS10(N)	10:24	9.9	Bottom	3	2	17.09	8.14	32.45	84.00	6.6	5.2	3.4
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR3(N)	11:05	1.0	Surface	1	1	17.27	7.98	33.11	86.50	6.8	3.8	1.4
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR3(N)	11:05	1.0	Surface	1	2	17.27	7.98	33.12	87.40	6.8	3.6	1.5
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR3(N)	11:05	2.4	Bottom	3	1	17.26	7.98	33.15	87.00	6.8	3.9	1.7
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR3(N)	11:04	2.4	Bottom	3	2	17.28	7.98	33.15	85.40	6.7	3.9	1.9
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR4(N3)	10:13	1.0	Surface	1	1	17.31	7.98	32.79	88.70	7.0	3.6	2.2
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR4(N3)	10:12	1.0	Surface	1	2	17.31	7.98	32.77	88.30	6.9	3.7	2.5
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR4(N3)	10:13	2.7	Bottom	3	1	17.31	7.98	32.84	88.40	6.9	3.8	1.6
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR4(N3)	10:12	2.7	Bottom	3	2	17.31	7.98	32.87	87.40	6.9	3.8	1.8
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR5(N)	10:35	1.0	Surface	1	1	17.11	8.16	32.44	83.10	6.4	4.7	1.4
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR5(N)	10:34	1.0 4.0	Surface	1	2	17.11	8.16	32.43	83.50	6.5	4.9	1.3
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR5(N)	10:34	-	Middle	2	1 2	17.12	8.15	32.52	83.10	6.4	5.5	1.6
HKLR	HY/2011/03 HY/2011/03	2023-02-01	Mid-Flood	Fine	SR5(N)	10:35	4.0	Middle			17.12	8.15	32.52	83.00	6.4	5.5	1.8 2.1
HKLR HKLR		2023-02-01	Mid-Flood	Fine	SR5(N)	10:34	7.0 7.0	Bottom	3	1 2	17.12 17.12	8.15	32.55 32.55	82.50	6.4 6.4	5.7 5.8	2.1 2.5
HKLR	HY/2011/03 HY/2011/03	2023-02-01 2023-02-01	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR10A(N)	10:34 9:30	7.0	Bottom Surface	3	1	17.12	8.15 8.12	32.55	83.00 82.50	6.4	2.9	2.5
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10A(N) SR10A(N)	9:30	1.0	Surface	1	2	17.31	8.12	32.84	82.50	6.6	2.9	3.4
HKLR	HY/2011/03	2023-02-01	Mid-Flood Mid-Flood	Fine	SR10A(N)	9:29	6.4	Middle	2	1	17.31	8.11	32.84	83.80	6.5	3.0	3.4
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10A(N) SR10A(N)	9:29	6.4	Middle	2	2	17.31	8.10	32.92	81.70	6.3	2.9	2.6
HKLR	HY/2011/03 HY/2011/03	2023-02-01	Mid-Flood Mid-Flood	Fine	SR10A(N) SR10A(N)	9:30	11.8	Bottom	3	1	17.31	8.11	32.92	81.70	6.3	3.1	2.0
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10A(N) SR10A(N)	9:30	11.8	Bottom	3	2	17.32	8.10	32.94	83.30	6.4	3.1	2.2
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10A(N2)	9:22	1.0	Surface	1	1	17.32	8.09	32.83	85.20	6.6	3.0	1.8
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10B(N2)	9:22	1.0	Surface	1	2	17.27	8.03	32.83	86.80	6.7	3.0	1.9
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10B(N2)	9:21	3.5	Middle	2	1	17.28	8.02	32.87	82.30	6.4	3.0	2.5
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10B(N2)	9:21	3.5	Middle	2	2	17.28	8.00	32.89	84.70	6.5	3.2	2.8
TINEN	, 2011, 05	2023 02 01		The	2.1202(.12)	5.21	5.5		-	-	17.20	0.00	52.05	04.70	0.5	5.2	2.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10B(N2)	9:20	6.0	Bottom	3	1	17.27	7.99	32.92	83.10	6.4	3.5	3.9
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	SR10B(N2)	9:21	6.0	Bottom	3	2	17.28	8.04	32.93	82.30	6.3	3.5	3.5
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS2(A)	11:29	1.0	Surface	1	1	16.61	8.20	32.48	88.40	6.9	4.9	2.6
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-01 2023-02-01	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	11:28 11:28	1.0 3.3	Surface Middle	1 2	2	16.61 16.61	8.19 8.19	32.54 32.64	90.60 89.00	7.1	4.7 5.1	2.2 3.1
HKLR	HY/2011/03	2023-02-01	Mid-Flood Mid-Flood	Fine	CS2(A) CS2(A)	11:28	3.3	Middle	2	2	16.60	8.20	32.64	87.20	6.8	5.1	3.1
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS2(A)	11:29	5.6	Bottom	3	1	16.60	8.20	32.69	86.70	6.8	5.7	4.0
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS2(A)	11:28	5.6	Bottom	3	2	16.60	8.19	32.70	87.70	6.9	5.5	3.7
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS(Mf)5	9:23	1.0	Surface	1	1	17.26	7.95	32.58	88.50	7.0	3.0	2.7
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS(Mf)5	9:23	1.0	Surface	1	2	17.25	7.94	32.60	88.40	7.0	2.9	2.3
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS(Mf)5	9:23	6.1	Middle	2	1	17.20	7.94	32.88	87.00	6.9	3.3	3.4
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS(Mf)5	9:23	6.1	Middle	2	2	17.20	7.92	32.91	86.70	6.8	3.5	3.0
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS(Mf)5	9:22	11.2	Bottom	3	1	17.16	7.92	33.05	85.60	6.7	4.0	4.3
HKLR	HY/2011/03	2023-02-01	Mid-Flood	Fine	CS(Mf)5	9:23	11.2	Bottom	3	2	17.13	7.93	33.08	86.90	6.8	4.0	4.8
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS5	12:13	1.0	Surface	1	1	16.83	8.02	33.16	93.80	7.4	4.4	1.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Ebb Mid-Ebb	Sunny	IS5 IS5	12:13 12:13	1.0 5.5	Surface Middle	1 2	2	16.88 17.06	8.00 8.01	33.20 33.48	96.60 89.20	7.6 7.0	4.3 4.7	1.8 2.1
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny Sunny	IS5	12:13	5.5	Middle	2	2	17.08	8.01	33.50	91.10	7.0	4.7	2.1
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS5	12:13	10.0	Bottom	3	1	17.08	8.00	33.50	88.40	7.0	4.6	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS5	12:12	10.0	Bottom	3	2	17.08	8.01	33.52	87.50	7.0	4.6	2.4
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS(Mf)6	12:24	1.0	Surface	1	1	17.11	8.01	33.60	85.90	6.8	4.8	3.5
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS(Mf)6	12:23	1.0	Surface	1	2	17.11	8.01	33.59	86.90	6.9	5.0	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS(Mf)6	12:23	3.8	Bottom	3	1	17.13	8.00	33.65	86.50	6.8	5.4	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS(Mf)6	12:24	3.8	Bottom	3	2	17.13	8.00	33.65	85.80	6.8	5.3	2.9
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS7	12:24	1.0	Surface	1	1	17.13	8.00	33.67	85.50	6.7	5.5	3.0
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS7	12:23	1.0	Surface	1	2	17.13	8.00	33.68	86.20	6.8	5.6	2.7
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS7	11:17	1.1	Bottom	3	1	17.33	8.00	33.94	86.00	6.7	3.2	3.5
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS7	11:16	1.1	Bottom	3	2	17.33	8.00	33.94	90.50	7.1	3.2	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS8(N)	11:16	1.0	Surface	1	1	17.33	8.01	33.98	88.40	6.9	3.3	2.6
HKLR	HY/2011/03 HY/2011/03	2023-02-03	Mid-Ebb Mid-Ebb	Sunny	IS8(N) IS8(N)	11:17	1.0 11.6	Surface	1	2	17.33 17.34	8.03	33.98	85.40	6.7	3.3 3.4	3.0 3.5
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Ebb	Sunny Sunny	IS8(N)	11:16 11:17	11.6	Bottom Bottom	3	2	17.34	8.01 8.02	33.98 33.99	87.50 85.20	6.9 6.7	3.4	3.5
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS(Mf)9	11:08	11.0	Surface	1	1	17.34	8.02	33.93	87.20	6.8	3.3	2.7
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS(Mf)9	11:08	1.0	Surface	1	2	17.28	8.00	33.93	90.30	7.1	3.3	2.9
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS(Mf)9	11:08	3.4	Bottom	3	1	17.28	8.00	33.95	85.50	6.7	3.4	3.5
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS(Mf)9	11:08	3.4	Bottom	3	2	17.28	8.02	33.96	88.20	6.9	3.5	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS10(N)	11:08	1.0	Surface	1	1	17.28	8.02	33.98	85.30	6.7	3.7	4.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS10(N)	11:07	1.0	Surface	1	2	17.27	8.01	33.97	86.80	6.8	3.7	5.0
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS10(N)	13:19	2.2	Middle	2	1	16.37	8.04	33.69	92.40	7.4	4.8	4.0
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS10(N)	13:18	2.2	Middle	2	2	16.37	8.03	33.74	95.50	7.7	4.6	3.7
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS10(N)	13:18	3.3	Bottom	3	1	16.37	8.02	33.80	94.10	7.5	5.0	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	IS10(N)	13:19	3.3	Bottom	3	2	16.37	8.04	33.80	91.50	7.3	4.8	2.8
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR3(N)	13:19	1.0	Surface	1	1	16.37	8.04	33.83	91.10	7.3	5.3	3.2
HKLR	HY/2011/03 HY/2011/03	2023-02-03	Mid-Ebb Mid-Ebb	Sunny	SR3(N)	13:18	1.0 1.0	Surface	1	2	16.37 17.19	8.02 8.01	33.84 33.47	92.70 86.50	7.4 6.8	5.2 4.1	2.9 2.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Ebb Mid-Ebb	Sunny Sunny	SR3(N) SR3(N)	16:22 16:23	1.0	Bottom Bottom	3	1 2	17.19	8.01	33.47	86.50 85.70	6.8	4.1 4.0	2.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR4(N3)	16:23	1.0	Surface	1	1	17.18	8.01	33.46	85.60	6.7	4.0	1.8
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR4(N3)	16:22	1.0	Surface	1	2	17.22	8.00	33.60	86.10	6.8	4.0	1.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR4(N3)	16:22	10.2	Bottom	3	1	17.26	8.00	33.64	85.40	6.7	4.2	2.3
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR4(N3)	16:22	10.2	Bottom	3	2	17.26	8.00	33.64	86.10	6.8	4.2	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR5(N)	16:12	1.0	Surface	1	1	17.21	8.01	33.52	88.70	7.0	4.5	1.9
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR5(N)	16:13	1.0	Surface	1	2	17.20	8.02	33.50	89.90	7.1	4.5	1.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR5(N)	16:13	4.0	Middle	2	1	17.20	8.01	33.56	88.60	7.0	4.6	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR5(N)	16:12	4.0	Middle	2	2	17.20	8.01	33.59	87.40	6.9	4.5	2.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR5(N)	16:13	7.0	Bottom	3	1	17.19	8.01	33.62	87.00	6.9	4.9	3.0
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR5(N)	16:12	7.0	Bottom	3	2	17.20	8.01	33.62	86.80	6.8	4.7	2.7
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10A(N)	17:24	1.0	Surface	1	1	17.34	8.03	33.98	91.10	7.1	4.8	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10A(N)	17:25	1.0	Surface	1	2	17.34	8.03	33.98	87.90	6.9	4.6	3.4
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10A(N)	17:24	6.4	Middle	2	1	17.35	8.02	34.02	86.60	6.8	4.9	3.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10A(N)	17:24	6.4	Middle	2	2	17.35	8.02	34.02	89.30	7.0	4.8	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10A(N)	17:24	11.7	Bottom	3	1	17.35	8.03	34.02	88.40	6.9	4.9	2.1
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10A(N)	17:24	11.7	Bottom	3	2	17.36	8.02	34.02	85.20	6.7	5.0	2.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Ebb Mid-Ebb	Sunny Sunny	SR10B(N2) SR10B(N2)	17:34 17:33	1.0 1.0	Surface Surface	1	1 2	17.37 17.37	8.03 8.03	34.01 34.01	85.30 85.80	6.7 6.7	3.4 3.6	2.4 2.8
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10B(N2)	17:33	3.7	Middle	2	1	17.37	8.03	34.01	85.40	6.7	3.6	3.3
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10B(N2)	17:34	3.7	Middle	2	2	17.37	8.03	34.03	84.90	6.7	3.6	3.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10B(N2)	17:33	6.4	Bottom	3	1	17.37	8.03	34.05	85.40	6.7	3.9	3.9
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	SR10B(N2)	17:33	6.4	Bottom	3	2	17.37	8.03	34.04	84.90	6.7	3.7	4.3
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS2(A)	15:14	1.0	Surface	1	1	16.41	8.00	33.61	95.40	7.6	3.5	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS2(A)	15:15	1.0	Surface	1	2	16.41	8.00	33.61	93.10	7.4	3.4	3.4
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS2(A)	15:15	3.5	Middle	2	1	16.41	8.00	33.73	92.00	7.4	4.6	2.9
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS2(A)	15:14	3.5	Middle	2	2	16.41	7.99	33.75	93.90	7.5	4.5	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS2(A)	15:14	6.0	Bottom	3	1	16.43	7.97	33.87	93.10	7.5	4.7	2.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS2(A)	15:15	6.0	Bottom	3	2	16.41	7.99	33.83	91.70	7.3	4.8	2.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Ebb Mid-Ebb	Sunny Sunny	CS(Mf)5 CS(Mf)5	12:42 12:41	1.0 1.0	Surface Surface	1	1 2	16.99 17.00	8.04 8.04	32.75 32.76	92.80 91.10	7.5 7.3	3.4 3.5	5.5 5.1
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS(Mf)5	12:41	4.2	Middle	2	1	16.95	8.04	32.83	92.00	7.3	3.5	4.2
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS(Mf)5	12:42	4.2	Middle	2	2	16.96	8.04	32.84	89.90	7.4	3.7	3.9
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS(Mf)5	12:41	7.3	Bottom	3	1	16.98	8.04	32.85	88.20	7.1	3.7	3.0
HKLR	HY/2011/03	2023-02-03	Mid-Ebb	Sunny	CS(Mf)5	12:41	7.3	Bottom	3	2	16.95	8.03	32.85	91.60	7.4	3.6	3.3
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS5	12:30	1.0	Surface	1	1	17.00	8.05	32.75	92.50	7.4	4.3	3.1
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS5	12:30	1.0	Surface	1	2	16.99	8.05	32.78	91.40	7.3	4.3	2.9
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS5	12:30	1.0	Middle	2	1	16.98	8.05	32.78	91.20	7.3	4.4	3.7
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS5	12:30	1.0	Middle	2	2	17.00	8.06	32.81	88.80	7.1	4.4	4.1
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS5	12:22	1.0	Bottom	3	1	17.12	8.07	32.57	92.90	7.5	4.6	4.8
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS5	12:22	1.0	Bottom	3	2	17.19	8.07	32.56	94.30	7.6	4.5	5.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS(Mf)6	12:22	1.0	Surface	1	1	17.10	8.06	32.54	89.80	7.2	4.6	3.4
HKLR	HY/2011/03 HY/2011/03	2023-02-03	Mid-Flood Mid-Flood	Sunny	IS(Mf)6	12:22	1.0 1.0	Surface Bottom	1	2	17.11 17.06	8.07	32.55	92.40	7.4	4.6 4.2	3.0 2.6
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Flood	Sunny Sunny	IS(Mf)6 IS(Mf)6	11:52 11:53	1.0	Bottom	3	2	17.06	8.04 8.05	32.19 32.20	92.90 94.10	7.5	4.2	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS(1011)0	11:55	1.0	Surface	1	1	17.03	8.05	32.20	94.10	7.5	4.0	1.6
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS7	11:52	1.0	Surface	1	2	17.06	8.04	32.29	90.40	7.3	4.6	1.8
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS7	12:13	1.0	Bottom	3	1	17.26	8.07	32.45	93.60	7.5	3.9	2.9
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS7	12:14	1.1	Bottom	3	2	17.23	8.07	32.47	95.20	7.6	3.9	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS8(N)	12:14	1.0	Surface	1	1	17.21	8.07	32.49	94.30	7.6	4.0	3.4
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS8(N)	12:13	1.0	Surface	1	2	17.14	8.07	32.52	90.80	7.3	4.1	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS8(N)	12:50	1.1	Bottom	3	1	17.13	8.05	32.62	93.10	7.5	4.3	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS8(N)	12:50	1.1	Bottom	3	2	17.13	8.05	32.65	94.10	7.5	4.2	2.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS(Mf)9	12:50	1.0	Surface	1	1	17.07	8.05	32.66	92.50	7.4	4.3	2.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS(Mf)9	12:50	1.0	Surface	1	2	16.99	8.05	32.64	89.80	7.2	4.4	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS(Mf)9	12:00	1.0	Bottom	3	1	17.33	8.03	32.27	93.00	7.5	3.5	3.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Flood Mid-Flood	Sunny	IS(Mf)9 IS10(N)	12:00	1.0 1.0	Bottom	3	2	17.25 17.23	8.04 8.05	32.29 32.34	92.10 89.70	7.4 7.2	3.6 3.7	3.4 4.6
HKLR	HY/2011/03 HY/2011/03	2023-02-03	Mid-Flood	Sunny Sunny	IS10(N)	11:59 12:00	1.0	Surface Surface	1	2	17.23	8.05	32.34	89.70 91.20	7.2	3.7	4.6
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS10(N)	12:00	3.6	Middle	2	1	17.38	7.96	32.66	89.30	7.5	2.4	3.8
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS10(N)	11:11	3.6	Middle	2	2	17.39	7.93	32.00	89.30	7.1	2.4	3.6
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS10(N)	11:11	6.1	Bottom	3	1	17.18	7.91	33.30	88.40	7.0	2.8	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	IS10(N)	11:11	6.1	Bottom	3	2	17.18	7.95	32.91	88.30	7.1	2.6	2.9
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR3(N)	11:10	1.0	Surface	1	1	17.15	7.90	33.64	87.60	7.0	3.0	2.7
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR3(N)	11:11	1.0	Surface	1	2	17.15	7.94	33.13	88.10	7.0	2.9	2.4
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR3(N)	15:32	1.0	Bottom	3	1	17.12	8.09	33.25	93.30	7.5	3.5	3.9
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR3(N)	15:33	1.0	Bottom	3	2	17.13	8.10	33.24	95.00	7.6	3.5	3.3
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR4(N3)	15:32	1.0	Surface	1	1	17.12	8.09	33.35	92.30	7.4	3.7	2.6
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR4(N3)	15:33	1.0	Surface	1	2	17.13	8.09	33.34	94.30	7.5	3.6	2.3
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR4(N3)	15:32	7.7	Bottom	3	1	17.10 17.11	8.09	33.38	90.60	7.2	3.7 3.7	3.6 3.1
HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Flood Mid-Flood	Sunny	SR4(N3) SR5(N)	15:32 15:42	1.0	Bottom	3	2	17.11 17.24	8.09 8.11	33.35 33.04	93.90 93.50	7.5	3.7	3.1 3.4
HKLR	HY/2011/03 HY/2011/03	2023-02-03	Mid-Flood Mid-Flood	Sunny Sunny	SR5(N) SR5(N)	15:42	1.0	Surface Surface	1	2	17.24	8.11	33.04	93.50	7.5	4.0	3.4
HINLIN	111/2011/03	2023-02-03	14110-11000	Sunny	51(14)	13.43	1.0	Junace	1 ¹	-	17.24	0.11	33.03	55.00	7.0	4.0	0.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	D O, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR5(N)	15:42	1.0	Middle	2	1	17.20	8.10	33.05	94.00	7.5	4.2	2.5
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR5(N)	15:42	1.0	Middle	2	2	17.06	8.11	33.10	91.10	7.3	4.2	2.8
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR5(N)	15:52	1.0	Bottom	3	1	17.24	8.14	33.01	100.40	8.0	4.8	2.1
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Flood Mid-Flood	Sunny Sunny	SR5(N) SR10A(N)	15:51 15:51	1.0 1.0	Bottom Surface	3	2	17.31 17.16	8.13 8.14	32.95 33.00	98.00 93.50	7.8 7.5	4.8 4.8	2.4 3.4
HKLR	HY/2011/03	2023-02-03	Mid-Flood Mid-Flood	Sunny	SR10A(N)	15:51	1.0	Surface	1	2	17.16	8.14	33.00	93.50	7.5	4.8	3.4
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR10A(N)	16:22	2.1	Middle	2	1	17.36	8.12	32.89	96.60	7.7	3.8	4.5
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR10A(N)	16:22	2.1	Middle	2	2	17.36	8.12	32.88	95.00	7.6	3.8	4.1
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR10A(N)	16:22	3.1	Bottom	3	1	17.35	8.12	32.89	93.30	7.5	4.3	5.1
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR10A(N)	16:22	3.1	Bottom	3	2	17.28	8.12	32.91	90.90	7.3	4.4	5.3
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR10B(N2)	16:02	1.0	Surface	1	1	17.15	8.12	32.94	97.00	7.8	4.1	2.7
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR10B(N2)	16:01	1.0	Surface	1	2	17.12	8.11	32.93	94.10	7.5	4.3	3.0
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR10B(N2)	16:02	1	Middle	2	1	17.09	8.11	32.94	95.20	7.6	4.3	2.4
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	SR10B(N2) SR10B(N2)	16:01	1	Middle	2	2	17.05	8.12	32.93	91.80	7.4	4.3	2.1
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Flood Mid-Flood	Sunny Sunny	SR10B(N2) SR10B(N2)	15:24 15:24	1.0 1.0	Bottom Bottom	3	1 2	17.38 17.36	8.11 8.11	32.77 32.87	96.00 97.60	7.7	4.4 4.3	1.7 1.9
HKLR	HY/2011/03	2023-02-03	Mid-Flood Mid-Flood	Sunny	CS2(A)	15:24	1.0	Surface	1	1	17.09	8.11	32.87	92.80	7.8	4.3	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS2(A)	15:24	1.0	Surface	1	2	17.12	8.10	32.92	96.20	7.7	4.3	2.9
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS2(A)	16:15	1.9	Middle	2	1	17.50	8.12	32.75	98.40	7.8	3.6	2.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS2(A)	16:15	1.9	Middle	2	2	17.47	8.12	32.77	99.70	7.9	3.6	2.5
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS2(A)	16:15	2.7	Bottom	3	1	17.49	8.12	32.75	98.40	7.8	3.8	1.7
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS2(A)	16:15	2.7	Bottom	3	2	17.39	8.12	32.78	96.70	7.7	3.7	1.9
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS(Mf)5	17:04	1.0	Surface	1	1	17.29	8.08	33.12	90.80	7.3	2.4	3.0
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS(Mf)5	17:04	1.0	Surface	1	2	17.40	8.08	33.06	90.90	7.2	2.5	3.2
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS(Mf)5	17:04	6.4	Middle	2	1	17.21	8.06	33.26	89.70	7.2	2.6	2.5
HKLR	HY/2011/03	2023-02-03	Mid-Flood	Sunny	CS(Mf)5	17:03	6.4	Middle	2	2	17.17	8.06	33.30	89.00	7.1	2.6	2.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-03 2023-02-03	Mid-Flood Mid-Flood	Sunny	CS(Mf)5 CS(Mf)5	17:04 17:03	11.7 11.7	Bottom Bottom	3	1 2	17.14 17.12	8.06 8.06	33.32 33.35	89.60 88.50	7.2	2.7 2.8	2.0 2.4
HKLR	HY/2011/03	2023-02-05	Mid-Ebb	Sunny Fine	IS5	17:03	11.7	Surface	1	1	17.12	7.97	33.57	96.00	7.1	3.8	2.4
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS5	12:20	1.0	Surface	1	2	17.48	7.97	33.56	96.70	7.4	3.8	3.0
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS5	12:20	4.3	Middle	2	1	17.33	7.96	33.86	95.00	7.4	4.0	3.6
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS5	12:20	4.3	Middle	2	2	17.34	7.96	33.85	96.10	7.3	4.0	4.1
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS5	12:20	7.5	Bottom	3	1	17.32	7.96	33.88	93.80	7.1	4.1	4.7
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS5	12:20	7.5	Bottom	3	2	17.34	7.96	33.85	95.40	7.3	4.1	5.1
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS(Mf)6	12:30	1.0	Surface	1	1	17.55	7.98	33.45	97.10	7.4	4.0	3.2
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS(Mf)6	12:30	1.0	Surface	1	2	17.54	7.98	33.47	98.20	7.5	4.0	3.5
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS(Mf)6	12:30	2.2	Bottom	3	1	17.46	7.97	33.58	97.00	7.4	4.3	4.6
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS(Mf)6	12:30	2.2	Bottom	3	2	17.39	7.98	33.58	95.10	7.2	4.3	4.2
HKLR	HY/2011/03 HY/2011/03	2023-02-06	Mid-Ebb Mid-Ebb	Fine	IS7 IS7	12:40	1.0 1.0	Surface Surface	1	1 2	17.54	8.00	33.46	100.10	7.6	4.2	3.4 3.0
HKLR HKLR	HY/2011/03	2023-02-06 2023-02-06	Mid-Ebb	Fine Fine	IS7	12:40 12:40	2.4	Bottom	3	1	17.56 17.46	7.99 7.99	33.44 33.57	98.80 98.10	7.5	4.3 4.4	2.5
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS7	12:40	2.4	Bottom	3	2	17.40	7.99	33.61	96.40	7.3	4.4	2.5
HKLR	HY/2011/03	2023-02-00	Mid-Ebb	Fine	IS8(N)	13:13	1.0	Surface	1	1	17.62	7.98	33.37	97.80	7.4	3.8	2.7
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS8(N)	13:13	1.0	Surface	1	2	17.61	7.97	33.38	96.90	7.4	3.7	3.0
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS8(N)	13:13	3.0	Bottom	3	1	17.55	7.97	33.49	96.00	7.3	4.3	2.0
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS8(N)	13:13	3.0	Bottom	3	2	17.47	7.97	33.55	94.50	7.2	4.3	2.5
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS(Mf)9	12:50	1.0	Surface	1	1	17.49	7.98	33.43	98.00	7.5	4.0	3.5
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS(Mf)9	12:49	1.0	Surface	1	2	17.48	7.98	33.42	96.70	7.4	4.2	3.1
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS(Mf)9	12:50	2.7	Bottom	3	1	17.37	7.98	33.58	97.10	7.4	4.2	2.5
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	IS(Mf)9	12:49	2.7	Bottom	3	2	17.35	7.98	33.57	95.50	7.3	4.2	2.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Ebb Mid-Ebb	Sunny	IS10(N) IS10(N)	13:12 13:11	1.0 1.0	Surface Surface	1	1 2	18.20 18.19	8.13 8.14	31.84 31.84	100.80 101.20	8.1	2.4 2.3	2.8 2.5
HKLR	HY/2011/03 HY/2011/03	2023-02-06	Mid-Ebb	Sunny Sunny	IS10(N) IS10(N)	13:11	5.3	Middle	2	1	18.19	8.14	31.84 32.01	101.20 99.20	8.1 8.0	2.3	3.3
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	IS10(N)	13:11	5.3	Middle	2	2	18.08	8.14	32.01	99.20	8.0	2.0	3.0
HKLR	HY/2011/03	2023-02-00	Mid-Ebb	Sunny	IS10(N)	13:12	9.5	Bottom	3	1	18.00	8.13	32.35	98.90	7.9	2.6	3.6
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	IS10(N)	13:10	9.5	Bottom	3	2	17.98	8.13	32.40	98.70	7.9	2.7	4.0
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	SR3(N)	12:10	1.0	Surface	1	1	17.56	7.97	33.41	98.80	7.5	4.2	3.2
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	SR3(N)	12:09	1.0	Surface	1	2	17.59	7.97	33.34	97.70	7.4	4.1	3.5
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	SR3(N)	12:09	2.4	Bottom	3	1	17.40	7.97	33.40	95.80	7.3	4.3	4.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	SR3(N)	12:09	2.4	Bottom	3	2	17.43	7.97	33.46	97.60	7.4	4.2	4.4
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	SR4(N3)	13:04	1.0	Surface	1	1	17.64	7.98	33.36	99.00	7.5	3.5	4.0
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	SR4(N3)	13:04	1.0	Surface	1	2	17.68	7.98	33.32	98.40	7.5	3.6	3.6
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR4(N3)	13:04 13:04	2.8 2.8	Bottom Bottom	3	1 2	17.58 17.56	7.97 7.97	33.46 33.45	98.20 97.50	7.5 7.4	3.8 3.8	3.2 2.8
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR5(N)	13:04	1.0	Surface	1	1	17.56	8.16	31.82	100.80	8.1	2.5	2.5
HKLR	HY/2011/03	2023-02-00	Mid-Ebb	Sunny	SR5(N)	13:02	1.0	Surface	1	2	18.22	8.15	31.79	100.80	8.1	2.5	2.2
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR5(N)	13:03	4.7	Middle	2	1	18.08	8.15	32.03	98.80	7.9	2.6	3.0
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR5(N)	13:02	4.7	Middle	2	2	18.06	8.16	32.06	98.70	7.9	2.6	3.3
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR5(N)	13:02	8.3	Bottom	3	1	17.97	8.14	32.45	98.20	7.9	2.6	4.2
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR5(N)	13:02	8.3	Bottom	3	2	17.97	8.16	32.44	98.20	7.9	2.7	3.8
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10A(N)	14:08	1.0	Surface	1	1	18.02	8.13	32.81	99.30	8.0	2.6	2.2
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10A(N)	14:07	1.0	Surface	1	2	18.04	8.14	32.61	99.00	7.9	2.7	2.5
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10A(N)	14:08	6.2	Middle	2	1	17.96	8.13	33.12	98.10	7.9	2.8	2.8 3.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Ebb Mid-Ebb	Sunny Sunny	SR10A(N) SR10A(N)	14:07 14:08	6.2 11.4	Middle Bottom	2	2	17.95 17.92	8.14 8.13	32.99 33.27	97.60 97.00	7.8	2.9 2.9	3.0
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10A(N) SR10A(N)	14:08	11.4	Bottom	3	2	17.85	8.13	33.64	96.30	7.8	3.0	3.4
HKLR	HY/2011/03	2023-02-00	Mid-Ebb	Sunny	SR10B(N2)	14:17	1.0	Surface	1	1	18.00	8.14	32.89	99.00	7.9	2.6	2.1
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10B(N2)	14:18	1.0	Surface	1	2	18.00	8.12	32.85	98.60	7.9	2.7	2.4
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10B(N2)	14:17	3.6	Middle	2	1	17.95	8.12	33.10	98.80	7.9	2.9	2.9
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10B(N2)	14:17	3.6	Middle	2	2	17.93	8.12	33.19	98.80	7.9	2.8	2.6
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10B(N2)	14:17	6.2	Bottom	3	1	17.96	8.12	33.08	98.80	7.9	3.0	3.3
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	SR10B(N2)	14:17	6.2	Bottom	3	2	17.95	8.12	33.05	98.70	7.9	2.9	3.0
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	CS2(A)	12:07	1.0	Surface	1	1	17.87	8.20	33.40	100.80	8.0	2.7	1.9
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	CS2(A)	12:07	1.0	Surface	1	2	17.91	8.19	33.26	100.90	8.0	2.6	1.8
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	CS2(A)	12:07	3.2	Middle	2	1	17.87	8.19	33.59	100.30	8.0	2.6	2.3
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	CS2(A)	12:06	3.2	Middle	2	2	17.83	8.20	33.70	100.50	8.0	2.7	2.1
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Sunny	CS2(A)	12:06	5.3	Bottom	3	1	17.81 17.79	8.20	33.89	100.40	8.0	2.9 2.8	2.6
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Ebb Mid-Ebb	Sunny Fine	CS2(A) CS(Mf)5	12:07 13:58	5.3 1.0	Bottom Surface	3	2	17.79	8.19 7.97	33.99 33.59	100.20 93.80	8.0 7.1	3.0	3.0 5.9
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	CS(Mf)5	13:57	1.0	Surface	1	2	17.66	7.96	33.56	93.60	7.1	3.0	5.7
HKLR	HY/2011/03	2023-02-00	Mid-Ebb	Fine	CS(Mf)5	13:57	6.3	Middle	2	1	17.36	7.93	34.02	92.00	7.0	3.1	3.3
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	CS(Mf)5	13:58	6.3	Middle	2	2	17.38	7.93	33.99	92.50	7.0	3.2	3.8
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	CS(Mf)5	13:57	11.6	Bottom	3	1	17.33	7.93	34.02	91.60	7.0	3.3	2.4
HKLR	HY/2011/03	2023-02-06	Mid-Ebb	Fine	CS(Mf)5	13:58	11.6	Bottom	3	2	17.35	7.93	33.21	92.20	7.0	3.3	2.8
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS5	9:14	1.0	Surface	1	1	17.39	7.95	33.32	95.50	7.3	3.5	2.6
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS5	9:14	1.0	Surface	1	2	17.40	7.95	33.32	95.20	7.2	3.6	2.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS5	9:13	4.2	Middle	2	1	17.22	7.94	33.61	92.80	7.1	3.7	3.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS5	9:14	4.2	Middle	2	2	17.22	7.94	33.61	94.00	7.2	3.7	2.9
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS5	9:14	7.3	Bottom	3	1	17.21	7.93	33.65	93.90	7.2	3.8	4.1
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Flood Mid-Flood	Fine Fine	IS5 IS(Mf)6	9:13 9:05	7.3	Bottom Surface	3	2	17.23 17.39	7.94 7.96	33.64 33.34	92.00 95.10	7.0	3.8 3.9	3.7 3.0
HKLR	HY/2011/03	2023-02-06	Mid-Flood Mid-Flood	Fine	IS(Mf)6	9:05	1.0	Surface	1	2	17.39	7.96	33.34	95.10	7.2	3.9	2.6
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS(Mf)6	9:05	2.2	Bottom	3	1	17.33	7.96	33.42	94.80	7.2	4.2	1.6
HKLR	HY/2011/03	2023-02-00	Mid-Flood	Fine	IS(Mf)6	9:04	2.2	Bottom	3	2	17.33	7.96	33.46	93.70	7.1	4.2	1.9
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS7	8:54	1.0	Surface	1	1	17.50	7.97	33.21	97.00	7.4	4.1	2.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS7	8:53	1.0	Surface	1	2	17.42	7.97	33.27	96.70	7.3	4.2	2.6
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS7	8:53	2.2	Bottom	3	1	17.36	7.96	33.32	95.30	7.2	4.3	3.5
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS7	8:53	2.2	Bottom	3	2	17.38	7.97	33.31	96.10	7.3	4.3	3.1
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS8(N)	8:19	1.0	Surface	1	1	17.43	7.95	33.02	95.90	7.3	3.9	2.1
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS8(N)	8:19	1.0	Surface	1	2	17.40	7.96	33.04	96.70	7.4	3.8	2.3
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS8(N)	8:19	3.0	Bottom	3	1	17.33	7.95	33.28	95.40	7.3	4.0	2.6
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	IS8(N)	8:19	3.0	Bottom	3	2	17.31	7.95	33.28	94.30	7.2	4.2	3.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)9 IS(Mf)9	8:43 8:43	1.0 1.0	Surface Surface	1	1 2	17.52 17.52	7.97 7.97	33.15 33.15	96.10 96.90	7.3 7.4	3.5 3.5	2.8 3.1
HKLR	HY/2011/03	2023-02-06	Mid-Flood Mid-Flood	Fine	IS(MI)9	8:43	2.6	Bottom	3	1	17.52	7.97	33.15	96.90	7.4	3.5	2.3
HKLR	HY/2011/03	2023-02-06	Mid-Flood Mid-Flood	Fine	IS(Mf)9	8:43	2.6	Bottom	3	2	17.43	7.97	33.29	96.20	7.5	3.7	2.3
HKLR	HY/2011/03	2023-02-00	Mid-Flood	Sunny	IS10(N)	8:37	1.0	Surface	1	1	17.35	8.18	31.05	91.20	7.4	2.6	2.5
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	IS10(N)	8:38	1.0	Surface	1	2	17.67	8.17	31.00	91.40	7.4	2.6	2.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	IS10(N)	8:36	5.4	Middle	2	1	17.57	8.17	33.00	89.60	7.3	2.7	3.0
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	IS10(N)	8:37	5.4	Middle	2	2	17.61	8.17	32.32	89.90	7.3	2.7	2.8
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	IS10(N)	8:36	9.7	Bottom	3	1	17.48	8.17	33.90	89.50	7.2	3.0	4.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	IS10(N)	8:37	9.7	Bottom	3	2	17.45	8.16	34.08	89.20	7.2	3.1	3.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Flood Mid-Flood	Fine Fine	SR3(N) SR3(N)	9:24 9:24	1.0 1.0	Surface Surface	1	1	17.45 17.46	7.95 7.96	33.27 33.27	95.20 96.00	7.2 7.3	4.0 3.9	3.3 3.0
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	SR3(N)	9:24	2.4	Bottom	3	1	17.46	7.96	33.27	96.00	7.3	4.2	2.5
HKLR	HY/2011/03	2023-02-00	Mid-Flood	Fine	SR3(N)	9:24	2.4	Bottom	3	2	17.30	7.95	33.37	93.30	7.1	4.2	2.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	SR4(N3)	8:27	1.0	Surface	1	1	17.53	7.95	33.06	95.50	7.3	3.4	2.3
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	SR4(N3)	8:28	1.0	Surface	1	2	17.58	7.95	33.05	95.70	7.3	3.3	2.6
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	SR4(N3)	8:27	2.8	Bottom	3	1	17.40	7.95	33.31	93.90	7.1	3.5	3.3
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	SR4(N3)	8:27	2.8	Bottom	3	2	17.43	7.95	33.25	94.70	7.2	3.5	2.9
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR5(N)	8:46	1.0	Surface	1	1	17.73	8.16	32.29	92.70	7.5	2.9	5.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR5(N)	8:47	1.0	Surface	1	2	17.72	8.15	32.52	92.80	7.5	2.7	4.8
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR5(N)	8:46	4.8	Middle	2	1	17.63	8.16	33.37	90.30	7.3	2.9	4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06	Mid-Flood Mid-Flood	Sunny	SR5(N) SR5(N)	8:47	4.8	Middle	2	2	17.59	8.15	33.87	90.20	7.3	2.8	3.9 3.3
HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Flood Mid-Flood	Sunny Sunny	SR5(N) SR5(N)	8:46 8:45	8.5 8.5	Bottom Bottom	3	1 2	17.48 17.48	8.14 8.15	34.88 34.84	88.70 88.30	7.2	3.1 3.2	3.3
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10A(N)	7:41	1.0	Surface	1	1	17.48	8.15	33.12	88.80	7.2	2.5	1.7
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10A(N)	7:41	1.0	Surface	1	2	17.42	8.16	33.12	88.90	7.2	2.3	1.9
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10A(N)	7:41	6.4	Middle	2	1	17.42	8.16	33.13	88.80	7.2	2.6	2.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10A(N)	7:42	6.4	Middle	2	2	17.42	8.16	33.14	88.80	7.2	2.5	2.5
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10A(N)	7:42	11.7	Bottom	3	1	17.42	8.16	33.13	88.60	7.2	2.8	3.4
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10A(N)	7:41	11.7	Bottom	3	2	17.42	8.16	33.13	88.60	7.2	2.9	3.0
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10B(N2)	7:33	1.0	Surface	1	1	17.42	8.16	33.13	90.00	7.3	2.6	1.8
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10B(N2)	7:32	1.0	Surface	1	2	17.42	8.16	33.11	89.70	7.2	2.5	1.5
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10B(N2)	7:33	3.8	Middle	2	1	17.42	8.16	33.13	89.50	7.2	2.6	2.1
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	SR10B(N2)	7:32	3.8	Middle	2	2	17.42	8.16	33.14	89.10	7.2	2.7	2.4
HKLR	HY/2011/03 HY/2011/03	2023-02-06	Mid-Flood Mid-Flood	Sunny	SR10B(N2) SR10B(N2)	7:32	6.5 6.5	Bottom Bottom	3	1 2	17.42 17.42	8.16	33.14	89.10	7.2	2.6 2.7	3.3 2.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-06	Mid-Flood Mid-Flood	Sunny Sunny	CS2(A)	7:32 9:39	1.0	Surface	3	1	17.42	8.17 8.22	33.14 33.29	89.00 101.30	7.2 8.1	2.7	2.9
HKLR	HY/2011/03	2023-02-06	Mid-Flood Mid-Flood	Sunny	CS2(A)	9:39	1.0	Surface	1	2	17.89	8.22	33.29	101.30	8.1	2.7	2.0
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	CS2(A)	9:39	3.3	Middle	2	1	17.86	8.22	33.57	101.00	8.0	3.0	3.1
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	CS2(A)	9:39	3.3	Middle	2	2	17.85	8.23	33.63	101.00	8.0	3.0	3.5
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	CS2(A)	9:39	5.6	Bottom	3	1	17.82	8.22	33.78	100.80	8.0	3.1	3.8
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Sunny	CS2(A)	9:38	5.6	Bottom	3	2	17.79	8.24	33.95	101.00	8.0	3.0	4.1
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	CS(Mf)5	7:38	1.0	Surface	1	1	17.59	7.90	33.47	95.00	7.2	3.0	5.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	CS(Mf)5	7:38	1.0	Surface	1	2	17.60	7.91	33.29	94.40	7.1	3.0	4.8
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	CS(Mf)5	7:38	6	Middle	2	1	17.34	7.90	33.69	93.40	7.1	3.3	4.2
HKLR	HY/2011/03	2023-02-06	Mid-Flood	Fine	CS(Mf)5	7:37	6	Middle	2	2	17.35	7.89	33.89	93.90	7.1	3.4	4.6
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-06	Mid-Flood Mid-Flood	Fine	CS(Mf)5	7:37	11 11	Bottom	3	1 2	17.34 17.33	7.90	34.06	92.70	7.0	3.6	3.6 3.4
HKLR	HY/2011/03 HY/2011/03	2023-02-06 2023-02-08	Mid-Flood Mid-Ebb	Fine Cloudy	CS(Mf)5 IS5	7:38 13:31	11	Bottom Surface	3	2	17.33 19.44	7.90 8.08	33.81 32.13	92.60 118.50	7.0 8.9	3.6 3.4	3.4 5.1
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	155	13:31	1.0	Surface	1	2	19.44	8.08	32.13	118.50	9.0	3.4	4.8
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS5	13:32	4.2	Middle	2	1	19.42	8.08	32.64	117.80	8.9	3.6	5.2
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS5	13:32	4.2	Middle	2	2	19.20	8.07	32.59	118.80	8.9	3.5	5.5
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS5	13:31	7.4	Bottom	3	1	19.22	8.07	32.61	118.80	8.9	3.5	5.8
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS5	13:31	7.4	Bottom	3	2	19.23	8.07	32.63	117.70	8.9	3.5	6.1
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS(Mf)6	13:42	1.0	Surface	1	1	19.48	8.12	32.13	118.90	8.9	3.5	6.0
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS(Mf)6	13:41	1.0	Surface	1	2	19.41	8.12	32.08	119.10	8.9	3.5	5.7
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS(Mf)6	13:41	2.0	Bottom	3	1	19.30	8.11	32.20	118.90	8.9	3.5	5.1
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS(Mf)6	13:41	2.0	Bottom	3	2	19.31	8.11	32.29	118.80	8.9	3.5	4.8
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS7	13:52	1.0	Surface	1	1	19.40	8.12	32.24	119.70	9.0	3.5	6.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-08	Mid-Ebb Mid-Ebb	Cloudy	IS7 IS7	13:52 13:51	1.0 2.0	Surface Bottom	1	2	19.40 19.26	8.11	32.23	119.50	9.0	3.6	6.4 5.3
HKLR	HY/2011/03 HY/2011/03	2023-02-08 2023-02-08	Mid-Ebb	Cloudy Cloudy	IS7 IS7	13:51	2.0	Bottom	3	2	19.26	8.10 8.11	32.44 32.50	119.70 119.60	9.0 9.0	3.6 3.5	5.3
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS8(N)	13:52	1.0	Surface	1	1	19.30	8.11	32.50	119.60	9.0	3.5	5.0
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS8(N)	14:23	1.0	Surface	1	2	19.45	8.11	32.10	119.70	9.0	3.4	4.7
HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS8(N)	14:23	3.0	Bottom	3	1	19.42	8.11	32.44	119.70	9.0	3.4	5.7
	,, 00	2020 02 00		0.0004		2023	2.0			-	20.76	0.11	52.77	110.70	5.0		

INDR INVERT INVER INVER INVER	Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
INDR INT/SD1/02 2022-02 08 Models Cloury Store 1 2 28-65 81.1 22.27 137.0 0 0 INRR MY/701/02 2022-020 Models Coury Store 5 1 29.42 81.1 22.77 137.0 0.0 0 INRR MY/701/01 2022-024 Models Coury Store 1 2 92.42 81.1 22.77 137.0 0.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0.0 0 1 0 0 1 1 0	HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Cloudy	IS8(N)	14:23	3.0	Bottom	3	2	19.39	8.11	32.43	119.60	9.0	3.4	5.4
Hufe Huff201201 20230-00 Meklab Cloudy Split 1-00 2-1 18-66 8.10 22.21 18.70 16.0 2-1 HURA HV/701100 2023-020 Meklab Fine SDM 1-0.0 Sufface 1 1-0.6 733 1.23.1 1.13.0 6.4 4.4		1 - 1			,			-									3.3	5.6
HARB HY/201/00 2023-02-68 MM-EDD Church S1 <					,	. ,											3.2	6.0
HARR HY/Z01/03 2023-02.08 MM-EED Free ISU(0) 14:12 1.0 Surface 1 17.66 7.93 3.83 9.830 6.8. 4.4 HARR HY/Z01/03 2023-02.08 MM-EED Free ISU(0) 14:12 IS.5 Medie 2 1 17.52 7.93 8.86 9.30 6.7 4 HARR HY/Z01/03 2023-02.08 Medie Free ISU(0) 14:12 5.5 Medie 2 1 17.52 7.92 8.86.6 9.20 6.7 4 1 1 17.6 7.92 8.86.6 9.20 6.7 6.7 6.7 1 1 17.6 7.92 8.86.6 9.20 1 1 1 1 1 17.6 8.7 7.6 1.8 1 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 <td< td=""><td></td><td></td><td></td><td></td><td>,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>3.3</td><td>6.5</td></td<>					,									-			3.3	6.5
HRGR HY/201/03 2023-02-68 MM-EDD Free ISUN 14:11 1.0 Surface 1 2 17:32 77:39 32:89 93:00 6.8 6.8 HRGR HY/201/02 2023-02.68 MM-EDD Free ISUN 14:11 5.5 Model 2 17:35 77:37 72:37 73:37 72:37 73:37 72:37 73:37 72:37 73:37 73:37 73:37 73:37 73:37 73:37 73:37 73:37 73:37 73:37 </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.2 4.1</td> <td>6.9 7.2</td>					1					-							3.2 4.1	6.9 7.2
HHR.R HY/201/03 2023-02.08 Midebb Free ISUNIV 14:12 5.5 Middle 2 1 17:22 7.92 83:66 92:00 6.7 6.7 6.7 HRR.R HY/201/03 2023:02.08 Mid-Ub Free ISUNIV 14:11 17:56 7.92 83:67 92:00 6.7 6.7 6.7 HRR.R HY/201/02 2023:02.08 Mid-Ub Free ISUNIV 14:12 9.9 Botton 3 2 17:36 7.92 83:7 92:10 6.7 6.7 HIRR HY/201/01 2023:02-08 Mid-Ub Courdy 98:10 13:21 1.0 Grade 1 1.2 1.4 17:00 6.7 1.3 HIRR HY/201/03 2023:02-08 Mid-Ub Courdy 58:10 1.3 1.3 1.4 1.4 1.4 1.4 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3																	4.1	7.4
HMRR HY/201/03 2022-02-08 Mid-Eub Free IS10N1 14:11 5.5 Midelib 2 2 17:33 792 33:66 92:40 6.8 6.7 6 HIRR HY/2011/03 2023-02-68 Mid-Eiba Free IS10N1 14:11 9.9 Bettern 3 2 17:53 7.92 33:76 92:50 6.8 4 HIRR HY/2011/03 2023-02.68 Mid-Eiba Condry 58:10 1 1 19:48 80:55 32:06 117:40 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:170 88:8 2 117:171 117:170 88:8 2 <td></td> <td>4.2</td> <td>6.9</td>																	4.2	6.9
HMLR HY/201/03 3022-02.08 MM4/Eb Fine IS100() 1412 9.9 Bentom 3 1 17.56 7.92 33.72 92.10 6.7 6.7 6.7 6						. ,								-			4.3	6.6
HHLR HY/201/03 2023-02-08 Mel-Bb County Selito 1321 1.0 Surface 1 1 1.9.46 8.06 32.06 117.40 8.8 2 HKR HY/201/03 2023-0248 Mul-Ebb County SRIN 1321 2.1 Bottom 3 1 19.46 8.04 32.31 17.00 8.7 2 HKR HY/201/03 2023-02.48 Mul-Ebb County SRIN 1321 2.1 Bottom 3 2 19.46 8.11 12.07 18.8 H 1.0 Surface 1 1 19.46 8.11 12.07 18.10 8.9 1.0 <td></td> <td></td> <td></td> <td>Mid-Ebb</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4.4</td> <td>6.0</td>				Mid-Ebb						3							4.4	6.0
HHKR. HY/201/03 2223-02-08 Mefebb County SNIN 13:21 10. Surfrec 1 2 19:46 80:55 22:03 117:70 88. 2 HKR. HY/201/03 22:02:08 Mefebb County SNIN 13:21 2.1 Bottom 3 2 19:45 8.04 3:23. 117:00 88. 3 HKR. HY/201/03 20:30:02.08 Mefebb County SNIN 13:21 2.1 Bottom 3 2 19:45 8.04 8:23. 11:60 8.9 3 HKR. HY/201/03 20:30:02.08 Mefebb County SNIN 14:13 1.0 Surfrec 1 1 14:4 14:13 1.0 Surfrec 1 1 14:4 14:13 1.0 Surfrec 1 1 1:14:13 1:15:17 1:13:13 1:13:13 1:13:13 1:13:14 1:14:14:14:14:14:14:14:14:14:14:14:14:14	HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Fine	IS10(N)	14:11	9.9	Bottom	3	2	17.53	7.92	33.76	92.50	6.8	4.4	6.3
HKRR HY/2011/03 2022-02-08 Mid-Ebb Cloudy \$\$310 1.21 2.1 Berton 3 1 19-46 8.04 32.31 11.700 8.7 7.7 HKR HY/2011/03 2022-0268 Mid-Ebb Cloudy \$\$R4N3 14:13 1.0 Surface 1 1 19-46 8.04 32.2 11.80 8.9 3 HKR HY/2011/03 2022-0268 Mid-Ebb Cloudy \$		HY/2011/03	2023-02-08		Cloudy	. ,	13:21		Surface		_	19.48	8.05	32.06	117.40	8.8	3.6	5.9
HNRR HV/2011/03 2022-02-08 Mid-Ebb Cloudy SRIN3 1-31 2-1 Bottom 3 2 194-85 8.04 132.20 112.30 8.8 9 2 HNRR HV/2011/03 2022-02-08 Mid-Ebb Cloudy SR4N3 14.13 1.0 Surface 1 1.94-48 8.11 32.20 1.84.0 8.9 2 HNRR HV/2011/03 2022-02-08 Mid-Ebb Cloudy SR4N3 14.13 2.7 Bottom 3 2 19.43 8.11 32.23 18.40 8.9 2 HKRR HV/2011/03 2023-02-08 Mid-Ebb Fine SR(N) 14.00 1.0 Surface 1 1.7.61 7.93 3.3.6 6.9 4 HKRR HV/2011/03 2023-02.08 Mid-Ebb Fine SR(N) 14.00 4.0 Surface 1 1.7.64 7.93 3.3.7 9.3.00 6.8 4 HKRR HV/2011/03 <														-			3.5	6.2
HHLR HY/2011/03 2023-02.08 Mid-Ebb Cloudy SMR/N3 1-13 1.0 Surface 1 1 19.40 8.11 32.07 11.88.0 8.9 57 HKR. HY/2011/03 2022-02.08 Mid-Ebb Cloudy SR4N3 14.13 2.7 Borton 3 1 19.40 8.11 32.21 11.84.0 8.9 57 HKR. HY/2011/03 2022-02.08 Mid-Ebb Fine SR(N) 14.00 1.0 Surface 1 2 17.64 7.94 32.25 94.10 6.9 4 HKR. HY/2011/03 2023-02.08 Mid-Ebb Fine SR(N) 14.00 1 0.5 Surface 1 2 17.54 7.94 32.35 93.00 6.8 4 HKR. HY/2011/03 2023-02.06 Mid-Ebb Fine SR(N) 14.00 8.0 Borton 3 1 17.51 7.93 33.77 92.70 6.8 4					,					-							3.6	5.4
HHLR HY/2011/03 2022.02.08 MM-64bb Coudy SM4HN3 1.413 2.7 Bottom 3 1 12.04 8.11 22.28 118.40 8.9 5 HKR HY/2011/03 2022.02.08 MM-6bb Coudy SM4HN3 1.413 2.7 Bottom 3 2 19.43 8.11 22.23 118.10 8.9 5 HKR HY/2011/03 2022.02.08 MM-6bb Fine SKS(N) 1.400 1.0 Surface 1 1 1.1 1.1 7.33 3.25.6 9.51.0 7.0 4 HKR HY/2011/03 2022.02.08 MM-6bb Fine SKS(N) 1.401 4.5 Middle 2 1 1.75.3 7.93 3.5.7 9.30 6.8 4 4 4.4.1 4.7.0 8.0 5.0 5.0 4 4.4.1 4.7.1 1.1 1.1 1.1 1.1 7.9.3 3.5.7 9.3.0 6.8 4 4 <					,												3.6	5.0
HHR HY/2011/03 2023-0268 Mid-Ebb Coudy S44193 14:13 2.7 Bottom 3 1 19:40 81:11 22:31 11:8:40 8:9 5 HKR HY/2011/03 2023-02:08 Mid-Ebb Fine SSIN 14:00 1.0 Surface 1 17:64 733 32:25 94:10 6.9 4 HKR HY/2011/03 2023-02:08 Mid-Ebb Fine SSIN 14:00 4.5 Middle 2 17:54 733 33:56 93:00 6.9 4 HKR HY/2011/03 2023-02:08 Mid-Ebb Fine SSIN 14:00 4.5 Middle 2 17:53 733 33:77 92:00 6.8 4 HKR HY/2011/03 2023-02:08 Mid-Ebb Fine SSIN 14:00 8.0 Bottom 3 2 17:53 733 33:77 92:00 6.8 4 HKR HY/2011/03 2023-02:8					1	. ,								-			3.2 3.3	6.3 6.7
HHGR HY/2011/03 202340268 MidEbb Cloudy Set(H) 14:00 0.0 Surface 1 1 17:61 733 32:28 118:10 89 2 HHGR HY/2011/03 202340268 MidEbb Fine SRS(N) 14:00 1.0 Surface 1 1 17:64 7:94 32:87 95:10 7:0 4 HHGR HY/2011/03 202340268 MidEbb Fine SRS(N) 14:01 4.5 Middle 2 17:52 7:33 33:57 99:00 6.8 4 HHGR HY/2011/03 202340268 MidEbb Fine SRS(N) 14:00 8:0 Botrom 3 1 17:53 7:92 3:377 99:20 6:8 4 HHGR HY/2011/03 202340268 MidEbb Fine SR0(N) 15:02 1.0 Surface 1 17:52 7:96 3:4:28 9:5:0 6:8 4 HHGR HY/2011/03					,	. ,						-					3.3	5.3
HHGR HY/2011/03 2023 02.08 Mid-Ebb Fine SRS(N) 1.400 1.0 Surface 1 1 17.61 7.93 32.85 94.10 6.9 4 HHGR HY/2011/03 2023.02.08 MidEbb Fine SRS(N) 1.401 1.0 Surface 1 2 17.53 7.93 33.56 93.00 6.8 4 HHGR HY/2011/03 2023.02.08 MidEbb Fine SRS(N) 1.400 4.5 Middle 2 1.75.1 7.93 33.77 92.07 6.8 4 HHGR HY/2011/03 2023.02.08 MidEbb Fine SRS(N) 1.401 8.0 Bortom 3 1 17.50 7.92 33.17 92.07 6.8 4 HHGR HY/2011/03 2023.02.08 MidEbb Fine SRDANN 15.02 1.0 Surface 1 1.75.0 7.95 34.62 91.0 6.7 4 HHGR HY/2011/03 <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>3.3</td> <td>5.5</td>					1												3.3	5.5
HHGR HY/2011/03 2023-02-88 MM-Ebb Fine SSR(h) 14.01 1.0 SUFRE 1 2 17.64 7.94 32.37 95.10 7.0 4 HKR HY/2011/03 2023-02-88 MM-Ebb Fine SSR(h) 14.00 4.5 Middle 2 1 7.53 7.93 33.57 93.00 6.8 4 HKR HY/2011/03 2023-02.08 Mid-Ebb Fine SSR(h) 14.00 4.5 Middle 2 17.53 7.93 33.77 93.20 6.8 4 HKR HY/2011/03 2023-02.08 Mid-Ebb Fine SSR(h) 15.00 1.0 Surface 1 17.57 7.93 34.62 95.20 6.9 4 HKR HY/2011/03 2023-02.08 Mid-Ebb Fine SR10A(N) 15.02 6.4 Middle 2 1 17.52 7.94 34.62 95.00 6.7 4 HKR HY/2011/03 2023-20.20<																	4.3	4.6
HHLR HY/2011/03 2023-02.08 MidEbb Fine SRIM 14.00 4.5 Middle 2 2 17.52 7.93 33.57 93.00 6.8 6.8 HKIR HY/2011/03 2023-02.08 MidEbb Fine SRIM 14.01 8.0 Bottom 3 2 17.53 7.93 33.77 93.20 6.8 6.8 HKIR HY/2011/03 2023-02.08 MidEbb Fine SRIANIN 15.02 1.0 Surface 1 2 17.61 7.95 34.31 95.20 6.9 4 HKIR HY/2011/03 2023-02.08 MidEbb Fine SRI0A(N) 15.02 1.0 Surface 1 2 17.51 7.95 34.62 91.60 6.7 4 HKIR HY/2011/03 2023-02.08 MidEbb Fine SRI0A(N) 15.02 1.1 7 81.47 34.67 92.00 6.6 4 HKIR HY/2011/03 2023-02.08<	HKLR	HY/2011/03		Mid-Ebb	Fine		14:01	1.0		1	2	17.64			95.10	7.0	4.3	4.4
HHLB HY/2011/03 202340248 Mid-Ebb Fine SR(M) 14.00 8.0 Bottom 3 1 17.51 7.93 33.77 92.20 6.8 4 HKLB HY/2011/03 202340248 MidEbb Fine SRIDA(N) 15.03 1.0 Surface 1 1 17.61 7.95 34.31 94.10 6.9 4 HKLR HY/2011/03 202340248 Mid-Ebb Fine SRIDA(N) 15.02 6.4 Middle 2 1 17.52 7.94 34.62 93.40 6.8 4 HKLR HY/2011/03 202340248 Mid-Ebb Fine SRIDA(N) 15.02 1.1.7 Bottom 3 1 17.52 7.94 34.60 93.40 6.8 4 HKLR HY/2011/03 202340248 Mid-Ebb Fine SRIDA(N) 15.02 11.7 Bottom 3 2 17.53 7.94 34.59 90.90 6.6 2 17.75	HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Fine	SR5(N)	14:01	4.5	Middle	2	1	17.53	7.93	33.56	93.90	6.9	4.4	5.1
HHLR HY/2011/03 20230-20.8 Mid-Ebb Fine SEI(M) 14:01 8:00 Bottom 3 2 17.51 7.92 33.77 93.20 6.8 4 HKLR HY/2011/03 20230-20.8 Mid-Ebb Fine SEI10A(N) 15:02 1.0 Surface 1 2 17.51 7.95 34.28 95:20 6.9 4 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine SEI10A(N) 15:02 6.4 Middle 2 1 17.52 7.94 34.66 93.40 6.8 4 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine SEI0A(N) 15:02 1.1.7 Bottom 3 1 17.52 7.94 34.69 93.40 6.6 4 HKLR HY/2011/03 20230-20.8 Mid-Ebb Fine SEI0A(N2) 15:13 1.0 Surface 1 1 17.62 7.94 34.69 90.00 6.6 2	HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Fine	SR5(N)	14:00	4.5	Middle	2	2	17.52	7.93	33.57	93.00	6.8	4.4	5.4
HKR HY/2011/03 2023-02-08 Mid-Ebb Fine SRIOA(N) 15:03 1.0 Surface 1 17:60 7.95 34:31 94:10 6.9 4 HKR HY/2011/03 2023-02-08 Mid-Ebb Fine SRIOA(N) 15:02 6.4 Middle 2 1 17:52 7.94 34.62 91:60 6.7 4 HKR HY/2011/03 2023-02-08 Mid-Ebb Fine SRIOA(N) 15:02 6.4 Middle 2 17:51 7.96 34.62 91:60 6.7 4 HKR HY/2011/03 2023-02-08 Mid-Ebb Fine SRIOA(N) 15:02 11.7 Bottom 3 1 17:53 7.94 34:09 90:00 6.6 4 HKR HY/2011/03 2023-02-08 Mid-Ebb Fine SRIOB(N) 15:12 1.0 Surface 1 17:53 7.94 34:50 90:70 6.6 5 HKR HY/2011/03 <t< td=""><td>HKLR</td><td>HY/2011/03</td><td>2023-02-08</td><td>Mid-Ebb</td><td>Fine</td><td>SR5(N)</td><td>14:00</td><td>8.0</td><td>Bottom</td><td>3</td><td>1</td><td>17.51</td><td>7.93</td><td>33.77</td><td>92.70</td><td>6.8</td><td>4.8</td><td>5.8</td></t<>	HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Fine	SR5(N)	14:00	8.0	Bottom	3	1	17.51	7.93	33.77	92.70	6.8	4.8	5.8
HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SRIA0(N) 15:02 1.0 Surface 1 2 17.61 7.95 34.28 95.20 6.9 4 HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SRIDA(N) 15:02 6.4 Middle 2 1 7.95 34.65 91.60 6.7 4 HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SRIDA(N) 15:02 1.1 Bottom 3 1 17.52 7.96 34.67 92.90 6.8 4 HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SRID6(N2) 15:13 1.0 Surface 1 1 17.60 7.94 34.49 1.00 6.6 2 HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SRID8(N) 15:12 1.0 Surface 1 2 17.55 7.95 34.51 90.90 6.6 2 HKIR <td></td> <td>-</td> <td></td> <td></td> <td>4.9</td> <td>6.0</td>														-			4.9	6.0
HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR10A(N) 15:02 6.4 Middle 2 1 17:52 7.94 34.62 91.60 6.7 6.4 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR10A(N) 15:02 11.7 Bottom 3 1 17:52 7.94 34.62 92.00 6.8 4 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR10A(N) 15:02 11.7 Bottom 3 1 17:52 7.94 34.59 90.90 6.6 4 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:12 1.0 Surface 1 17:55 7.94 34.50 90.70 6.6 2 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:12 3.7 Middle 2 17:55 7.95 34.51 90.90 6.6 2 17:17:17:17:17 17:33<																	4.0	5.7
HKR HY/2011/03 2023-02-08 Mid-Ebb Fine \$																	4.1	6.1
HKR HY/2011/03 2023.02.08 Mid-Ebb Fine SR10A(N) 15.02 11.7 Bottom 3 1 17.52 7.96 34.67 92.90 6.8 4 HKLR HY/2011/03 2023.02.08 Mid-Ebb Fine SR108(N2) 15.13 1.0 Surface 1 17.60 7.94 34.49 90.90 6.6 4 HKLR HY/2011/03 2023.02.08 Mid-Ebb Fine SR108(N2) 15.12 1.0 Surface 1 17.60 7.94 34.40 91.60 6.6 3 HKLR HY/2011/03 2023.02.08 Mid-Ebb Fine SR108(N2) 15.13 3.7 Middle 2 1 17.55 7.94 34.50 90.90 6.6 3 HKLR HY/2011/03 2023.02.08 Mid-Ebb Fine SR108(N2) 15.13 6.3 Bottom 3 1 17.25 7.94 34.54 90.90 6.6 2 14.64 14.7011/03																	4.4	5.6
HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SR108(N2) 15:13 1.0 Surface 1 1 17.63 7.94 34.40 91.20 66.6 24 HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SR108(N2) 15:12 1.0 Surface 1 1 17.62 7.94 34.40 91.20 66.6 23 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:12 3.7 Middle 2 1 17.55 7.94 34.50 90.70 66.6 23 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:12 6.3 Bottom 3 1 17.55 7.94 34.54 90.90 6.6 24 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:13 6.3 Bottom 3 1 17.22 7.93 33.06 92.73 35		1 - 1			-			-				-					4.4 4.5	5.2 5.0
HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SR108[N2] 15:13 1.0 Surface 1 1 17.60 7.94 34.40 91.20 6.6 91.20 HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SR108[N2] 15:13 3.7 Middle 2 1 1.55 7.94 34.50 90.70 6.6 3 HKIR HY/2011/03 2023-02-08 Mid-Ebb Fine SR108[N2] 15:12 3.7 Middle 2 1.7.55 7.94 34.50 90.70 6.6 3 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108[N2] 15:13 6.3 Bottom 3 1 1.7.55 7.94 34.50 90.00 6.6 6 HKIR HY/2011/03 2023-02.08 Mid-Ebb Fine CS2(A) 13.06 1.0 Surface 1 1 1.7.22 7.93 33.16 99.70 7.4 34.40										-							4.5	4.7
HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:12 1.0 Surface 1 2 17.62 7.95 34.34 91.60 6.7 3 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:12 3.7 Middle 2 1 17.55 7.95 34.51 90.70 6.6 3 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:12 6.3 Bottom 3 1 17.55 7.94 34.54 90.00 6.6 4 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine CS2(A) 13:06 1.0 Surface 1 1 17.22 7.93 33.16 99.70 7.4 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine CS2(A) 13:05 3.4 Middle 2 1 17.21 7.93 33.71 97.10 7.2 4 HKLR </td <td></td> <td>3.5</td> <td>4.4</td>																	3.5	4.4
HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:13 3.7 Middle 2 1 17.55 7.94 34.50 90.70 6.6 3 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:12 3.7 Middle 2 1 17.55 7.95 34.51 90.90 6.6 3 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine SR108(N2) 15:13 6.3 Bottom 3 2 17.55 7.94 34.54 90.90 6.6 4 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine CS2(A) 13.05 1.0 Surface 1 1 17.21 7.93 33.16 99.70 7.4 3 HKLR HY/2011/03 2023-02.08 Mid-Ebb Fine CS2(A) 13.05 3.4 Middle 2 17.21 7.93 33.71 96.00 7.1 4 HKLR <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>,</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>7.95</td> <td></td> <td></td> <td></td> <td>3.6</td> <td>4.7</td>					-	,		-					7.95				3.6	4.7
HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine SR108(N2) 15:12 6.3 Bottom 3 1 17.55 7.95 34.59 91.00 6.6 4 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine SR108(N2) 15:13 6.3 Bottom 3 2 17.55 7.94 34.54 90.90 6.6 4 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 1.0 Surface 1 1 1.7.26 7.93 33.16 99.70 7.4 23 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 3.4 Midle 2 1 1.7.21 7.93 33.71 96.00 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 5.8 Bottom 3 1 17.21 7.93 33.95 96.10 7.1 44	HKLR	HY/2011/03	2023-02-08		Fine		15:13	3.7		2	1		7.94	34.50	90.70	6.6	3.8	4.8
HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine SR108(N2) 15:13 6.3 Bottom 3 2 17.55 7.94 34.54 90.90 6.6 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 1.0 Surface 1 1 17.22 7.93 33.09 98.20 7.3 3 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 3.4 Middle 2 1 7.726 7.93 33.71 96.00 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 3.4 Middle 2 17.21 7.93 33.71 96.10 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 5.8 Bottom 3 1 7.22 7.92 33.95 96.10 7.1 44 HKLR	HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Fine	SR10B(N2)	15:12	3.7	Middle	2	2	17.55	7.95	34.51	90.90	6.6	3.8	5.1
HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 1.0 Surface 1 17.22 7.93 33.09 98.20 7.3 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 1.0 Surface 1 2 17.26 7.93 33.16 99.70 7.4 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 3.4 Middle 2 17.21 7.93 33.71 97.10 7.2 4 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 5.8 Bottom 3 1 17.21 7.93 33.95 96.10 7.1 4 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 5.8 Bottom 3 2 17.22 7.92 33.31 95.80 7.1 4 4 4 4	HKLR	HY/2011/03	2023-02-08	Mid-Ebb	Fine	SR10B(N2)	15:12	6.3	Bottom	3	1		7.95	34.59	91.00	6.6	4.1	5.6
HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 1.0 Surface 1 2 17.26 7.93 33.16 99.70 7.4 33.11 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 3.4 Middle 2 1 17.21 7.93 33.71 96.00 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 5.8 Bottom 3 1 17.21 7.93 33.71 97.10 7.2 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 5.8 Bottom 3 1 17.21 7.93 33.71 97.10 7.2 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(H)5 14:56 1.0 Surface 1 1 19.47 8.11 32.08 117.00 8.8 23 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td></td><td></td><td>4.0</td><td>5.9</td></t<>													-	-			4.0	5.9
HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 3.4 Middle 2 1 17.21 7.93 33.71 96.00 7.1 4 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 3.4 Middle 2 2 17.21 7.93 33.71 97.10 7.2 4 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 5.8 Bottom 3 1 17.21 7.93 33.95 96.10 7.1 4 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 5.8 Bottom 3 2 17.22 7.92 33:39 95.80 7.1 4 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 1.0 Surface 1 19.47 8.11 32.68 116:00 8.8 3 HKLR					-	.,		-									3.7	4.6
HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 3.4 Middle 2 2 17.21 7.93 33.71 97.10 7.2 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 5.8 Bottom 3 1 17.21 7.93 33.95 96.10 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 5.8 Bottom 3 1 17.21 7.93 33.93 95.80 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 1.0 Surface 1 19.40 8.12 32.08 117.00 8.8 3 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:55 6.1 Middle 2 1 19.18 8.11 32.68 116.00 8.8 3 HKLR<																	3.7	4.9
HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:05 5.8 Bottom 3 1 17.21 7.93 33.95 96.10 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 5.8 Bottom 3 2 17.22 7.92 33.93 95.80 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 1.0 Surface 1 1 19.47 8.11 32.08 117.00 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 6.1 Middle 2 1 19.40 8.11 32.08 117.00 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 6.1 Middle 2 2 19.19 8.11 32.69 116.60 8.8 33																	4.4	5.3
HKLR HY/2011/03 2023-02-08 Mid-Ebb Fine CS2(A) 13:06 5.8 Bottom 3 2 17.22 7.92 33.93 95.80 7.1 44 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 1.0 Surface 1 1 19.47 8.11 32.21 117.20 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 1.0 Surface 1 2 19.40 8.12 32.08 117.00 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 6.1 Middle 2 1 19.18 8.11 32.68 116.90 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 11.1 Bottom 3 1 19.22 8.11 32.67 116.60 8.8 33					-					_							4.4 4.6	5.7 5.9
HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 1.0 Surface 1 19.47 8.11 32.21 117.20 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 1.0 Surface 1 2 19.40 8.12 32.08 117.00 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 6.1 Middle 2 1 19.18 8.11 32.68 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 6.1 Middle 2 2 19.19 8.11 32.67 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 11.1 Bottom 3 1 19.22 8.11 32.62 116.60 8.8 33					-	. ,											4.0	6.2
HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 1.0 Surface 1 2 19.40 8.12 32.08 117.00 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 6.1 Middle 2 1 19.18 8.11 32.68 116.90 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 6.1 Middle 2 2 19.19 8.11 32.68 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 11.1 Bottom 3 1 19.22 8.11 32.67 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy CS(Mf)5 14:56 11.1 Bottom 3 2 19.20 8.11 32.62 116.60 8.8 33																	3.4	6.6
HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:57 6.1 Middle 2 1 19.18 8.11 32.68 116.90 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 6.1 Middle 2 2 19.19 8.11 32.69 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 11.1 Bottom 3 1 19.22 8.11 32.67 116.20 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 11.1 Bottom 3 2 19.20 8.11 32.62 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 19.41 8.12 32.12 118.20 8.9 33																	3.5	6.3
HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 6.1 Middle 2 2 19.19 8.11 32.69 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 11.1 Bottom 3 1 19.22 8.11 32.67 116.20 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 11.1 Bottom 3 1 19.22 8.11 32.67 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 1 19.49 8.13 31.98 116.60 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 19.21 8.12 32.57 116.60 8.7 33					,					2							3.4	6.0
HKLR HY/2011/03 2023-02-08 Mid-Ebb Cloudy CS(Mf)5 14:56 11.1 Bottom 3 2 19.20 8.11 32.62 116.60 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 1 19.41 8.12 32.12 118.20 8.9 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 1 19.41 8.12 32.12 118.20 8.9 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 2 19.49 8.13 31.98 116.60 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 4.3 Middle 2 1 19.21 8.12 32.57 116.40 8.7 33	HKLR	HY/2011/03	2023-02-08		Cloudy	CS(Mf)5	14:56		Middle	2	2	19.19	8.11	32.69	116.60	8.8	3.4	5.6
HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 1 19.41 8.12 32.12 118.20 8.9 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 2 19.49 8.13 31.98 116.60 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 4.3 Middle 2 1 19.21 8.12 32.57 116.40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 4.3 Middle 2 1 19.21 8.12 32.57 116.40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 7.5 Bottom 3 1 19.22 8.12 32.62 115.60 8.7 33 <tr< td=""><td></td><td></td><td></td><td></td><td>Cloudy</td><td>, ,</td><td></td><td></td><td>Bottom</td><td>-</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>3.5</td><td>5.1</td></tr<>					Cloudy	, ,			Bottom	-			-				3.5	5.1
HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 1.0 Surface 1 2 19.49 8.13 31.98 116.60 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 4.3 Middle 2 1 19.21 8.12 32.57 116.40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 4.3 Middle 2 2 19.21 8.12 32.57 116.40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 4.3 Middle 2 2 19.21 8.12 32.62 115.60 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 7.5 Bottom 3 1 19.22 8.12 32.62 116.40 8.7 33																	3.4	5.3
HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 4.3 Middle 2 1 19:21 8.12 32.57 116:40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 4.3 Middle 2 2 19:21 8.12 32.57 116:40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 4.3 Middle 2 2 19:21 8.12 32.57 116:40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 7.5 Bottom 3 1 19:22 8.12 32.62 115:60 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 7.5 Bottom 3 2 19:23 8.12 32.62 116:40 8.7 33		1 - 1						-					-	-			3.6	4.9
HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 4.3 Middle 2 2 19.21 8.12 32.58 117.70 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 4.3 Middle 2 2 19.21 8.12 32.58 117.70 8.8 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 7.5 Bottom 3 1 19.22 8.12 32.62 115.60 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 7.5 Bottom 3 2 19.23 8.12 32.62 116.40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS(Mf)6 9:30 1.0 Surface 1 1 19.50 8.16 32.03 116.40 8.7 33 <td></td> <td>3.6</td> <td>5.2</td>																	3.6	5.2
HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:40 7.5 Bottom 3 1 19.22 8.12 32.62 115.60 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 7.5 Bottom 3 2 19.23 8.12 32.62 116.40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS(Mf)6 9:30 1.0 Surface 1 1 19.50 8.16 32.03 116.40 8.7 33					1												3.7	5.6
HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS5 9:39 7.5 Bottom 3 2 19.23 8.12 32.62 116.40 8.7 33 HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS(Mf)6 9:30 1.0 Surface 1 1 19.50 8.16 32.03 116.40 8.7 33																	3.8 3.7	5.9 6.2
HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS(Mf)6 9:30 1.0 Surface 1 19.50 8.16 32.03 116.40 8.7 33					,					-							3.7	6.4
					1												3.8	6.9
HKLR HY/2011/03 2023-02-08 Mid-Flood Cloudy IS(Mf)6 9:29 1.0 Surface 1 2 19.48 8.16 32.06 116.60 8.7 3					1												3.2	6.6
					,	. ,											3.2	5.6
																	3.1	6.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS7	9:20	1.0	Surface	1	1	19.44	8.17	32.01	116.50	8.7	3.5	4.7
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS7	9:20	1.0	Surface	1	2	19.46	8.17	31.99	116.40	8.7	3.5	5.1
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS7	9:19	2.0	Bottom	3	1	19.35	8.16	32.33	116.40	8.7	3.5	5.8
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS7	9:20	2.0	Bottom	3	2	19.39	8.16	32.34	116.20	8.7	3.4	6.1 6.5
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-08 2023-02-08	Mid-Flood Mid-Flood	Cloudy Cloudy	IS8(N) IS8(N)	8:47 8:48	1.0 1.0	Surface Surface	1	2	19.47 19.47	8.14 8.14	32.03 32.02	116.00 116.00	8.7 8.7	3.5 3.5	6.0
HKLR	HY/2011/03	2023-02-08	Mid-Flood Mid-Flood	Cloudy	IS8(N)	8:47	3.0	Bottom	3	1	19.47	8.14	32.35	115.90	8.7	3.5	5.2
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS8(N)	8:47	3.0	Bottom	3	2	19.39	8.14	32.30	115.60	8.6	3.4	5.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS(Mf)9	9:09	1.0	Surface	1	1	19.39	8.13	32.04	117.40	8.8	3.3	6.0
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS(Mf)9	9:09	1.0	Surface	1	2	19.44	8.13	32.12	117.60	8.8	3.2	6.4
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS(Mf)9	9:09	2.7	Bottom	3	1	19.36	8.12	32.37	117.50	8.8	3.2	6.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	IS(Mf)9	9:09	2.7	Bottom	3	2	19.32	8.12	32.33	117.20	8.8	3.3	7.1
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	IS10(N)	9:15	1.0	Surface	1	1	17.34	7.94	33.17	96.70	7.1	4.1	3.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	IS10(N)	9:16	1.0	Surface	1	2	17.38	7.93	33.19	98.10	7.2	4.0	3.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-08 2023-02-08	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	9:15 9:15	5.5 5.5	Middle Middle	2	1 2	17.41 17.40	7.93 7.92	33.72 33.71	94.40 93.30	7.0 6.9	4.3 4.4	4.5 4.9
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	IS10(N)	9:15	9.9	Bottom	3	1	17.40	7.92	33.73	93.30	6.8	4.4	4.9 5.1
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	IS10(N)	9:14	9.9	Bottom	3	2	17.41	7.92	33.74	93.00	6.8	4.5	5.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	SR3(N)	9:48	1.0	Surface	1	1	19.48	8.02	31.99	117.50	8.8	3.5	6.0
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	SR3(N)	9:48	1.0	Surface	1	2	19.48	8.02	32.06	117.50	8.8	3.6	6.5
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	SR3(N)	9:48	2.1	Bottom	3	1	19.41	8.02	32.14	118.10	8.9	3.5	5.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	SR3(N)	9:48	2.1	Bottom	3	2	19.43	8.01	32.23	117.10	8.8	3.6	5.0
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	SR4(N3)	8:58	1.0	Surface	1	1	19.49	8.12	32.01	116.40	8.7	3.3	6.2
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	SR4(N3)	8:58	1.0	Surface	1	2	19.48	8.10	32.02	116.60	8.7	3.2	6.5
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	SR4(N3)	8:58	2.8	Bottom	3	1	19.42	8.09	32.27	116.50	8.7	3.2	5.5
HKLR	HY/2011/03 HY/2011/03	2023-02-08	Mid-Flood Mid-Flood	Cloudy	SR4(N3)	8:58	2.8	Bottom	3	2	19.42	8.12	32.21	116.20	8.7	3.3	5.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-08 2023-02-08	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N)	9:25 9:25	1.0 1.0	Surface Surface	1	1 2	17.48 17.48	7.93 7.93	33.40 33.40	92.30 92.80	6.8 6.8	4.2 4.3	5.0 4.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood Mid-Flood	Fine	SR5(N)	9:25	4.4	Middle	2	1	17.48	7.92	33.73	91.70	6.7	4.3	5.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR5(N)	9:24	4.4	Middle	2	2	17.44	7.92	33.75	92.20	6.8	4.7	5.1
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR5(N)	9:25	7.7	Bottom	3	1	17.44	7.92	33.82	91.80	6.7	5.0	6.2
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR5(N)	9:24	7.7	Bottom	3	2	17.44	7.92	33.82	92.30	6.8	5.0	5.8
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10A(N)	8:22	1.0	Surface	1	1	17.63	7.92	33.78	91.70	6.7	3.2	5.0
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10A(N)	8:22	1.0	Surface	1	2	17.63	7.92	33.75	94.00	6.9	3.2	4.7
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10A(N)	8:21	6.4	Middle	2	1	17.55	7.91	34.16	92.50	6.7	3.4	5.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10A(N)	8:22	6.4	Middle	2	2	17.54	7.93	34.18	90.70	6.6	3.3	5.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-08 2023-02-08	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	8:22 8:21	11.8 11.8	Bottom Bottom	3	1 2	17.56 17.56	7.92	34.18 34.17	91.00 92.40	6.6	3.8	6.6 6.3
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10A(N) SR10B(N2)	8:21	11.8	Surface	1	1	17.56	7.92 7.92	34.17	92.40	6.7 7.0	3.8 3.3	4.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10B(N2)	8:11	1.0	Surface	1	2	17.61	7.91	33.74	97.40	7.1	3.3	4.8
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10B(N2)	8:11	3.6	Middle	2	1	17.55	7.91	34.01	92.20	6.7	3.5	5.6
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10B(N2)	8:10	3.6	Middle	2	2	17.53	7.91	34.05	94.40	6.9	3.5	5.3
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10B(N2)	8:11	6.1	Bottom	3	1	17.54	7.91	34.14	91.50	6.7	3.8	6.7
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	SR10B(N2)	8:10	6.1	Bottom	3	2	17.52	7.91	34.16	92.20	6.7	3.7	6.2
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	CS2(A)	10:18	1.0	Surface	1	1	17.28	7.95	33.45	96.00	7.1	4.7	4.8
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	CS2(A)	10:17	1.0	Surface	1	2	17.26	7.95	33.49	97.40	7.2	4.5	4.3
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Fine	CS2(A)	10:17	3.3	Middle	2	1	17.24	7.95	33.78	95.00	7.0	4.8	5.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-08 2023-02-08	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	10:17 10:17	3.3 5.5	Middle Bottom	2	2	17.26 17.28	7.95 7.95	33.78 33.90	96.00 95.10	7.1 7.0	4.9 5.2	5.2 6.0
HKLR	HY/2011/03 HY/2011/03	2023-02-08	Mid-Flood Mid-Flood	Fine	CS2(A) CS2(A)	10:17	5.5	Bottom	3	2	17.28	7.95	33.90	95.10	7.0	5.2	5.8
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	CS(Mf)5	8:03	1.0	Surface	1	1	19.48	8.13	31.98	114.80	8.5	3.5	6.0
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	CS(Mf)5	8:04	1.0	Surface	1	2	19.44	8.16	32.03	114.00	8.7	3.6	5.7
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	CS(Mf)5	8:02	6	Middle	2	1	19.20	8.11	32.68	114.60	8.5	3.5	6.4
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	CS(Mf)5	8:03	6	Middle	2	2	19.21	8.14	32.65	115.90	8.6	3.5	6.8
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	CS(Mf)5	8:02	11	Bottom	3	1	19.19	8.10	32.70	113.80	8.5	3.5	7.2
HKLR	HY/2011/03	2023-02-08	Mid-Flood	Cloudy	CS(Mf)5	8:03	11	Bottom	3	2	19.21	8.13	32.64	114.60	8.5	3.5	7.5
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS5	15:11	1.0	Surface	1	1	19.65	8.13	32.08	116.30	8.9	3.5	3.3
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS5	15:10	1.0	Surface	1	2	19.64	8.13	32.15	116.10	8.8	3.6	3.0
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS5	15:09	5.0	Middle	2	1	19.38	8.12	32.64	115.80	8.8	3.5	2.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS5	15:10	5.0	Middle	2	2	19.39	8.12	32.53	115.90	8.8	3.6	2.1
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS5	15:10	9.0	Bottom	3	1	19.45	8.13	32.50	115.70	8.8	3.7	3.1
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS5	15:09	9.0	Bottom	3	2	19.43	8.13	32.53	115.40	8.8	3.5	3.8
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS(Mf)6 IS(Mf)6	15:01	1.0	Surface	1	1 2	19.69	8.13	32.13	116.10	8.8	3.6	3.1 3.1
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-10 2023-02-10	Mid-Ebb Mid-Ebb	Cloudy Cloudy	IS(Mf)6	15:00 14:59	1.0 3.9	Surface Bottom	1	1	19.68 19.42	8.13 8.13	32.13 32.61	115.60 114.40	8.8 8.7	3.9 3.8	2.5
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS(Mf)6	14.59	3.9	Bottom	3	2	19.42	8.13	32.60	114.40	8.8	3.8	2.3
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS7	14:59	1.0	Surface	1	1	19.50	8.13	32.55	114.40	8.7	3.8	2.8
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS7	15:00	1.0	Surface	1	2	19.51	8.12	32.52	115.30	8.8	3.8	2.0
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS7	16:04	1.0	Bottom	3	1	19.72	8.11	32.09	115.70	8.8	3.7	1.9
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS7	16:05	1.0	Bottom	3	2	19.69	8.11	32.20	115.20	8.8	3.6	1.8
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS8(N)	16:05	1.0	Surface	1	1	19.41	8.10	32.64	115.10	8.8	3.8	2.6
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS8(N)	16:04	1.0	Surface	1	2	19.43	8.10	32.59	115.40	8.8	3.8	2.5
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS8(N)	16:05	9.7	Bottom	3	1	19.42	8.11	32.55	114.70	8.8	3.9	3.6
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS8(N)	16:04	9.7	Bottom	3	2	19.49	8.11	32.51	115.20	8.8	3.8	3.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-10	Mid-Ebb Mid-Ebb	Cloudy	IS(Mf)9 IS(Mf)9	16:14	1.0 1.0	Surface Surface	1	1 2	19.75 19.75	8.14	32.12 32.15	115.60	8.8 8.8	3.6 3.5	1.7 2.0
HKLR	HY/2011/03	2023-02-10 2023-02-10	Mid-Ebb	Cloudy Cloudy	IS(Mf)9	16:15 16:14	3.9	Bottom	3	1	19.75	8.14 8.13	32.15	116.00 115.50	8.8	3.5	3.2
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS(Mf)9	16:14	3.9	Bottom	3	2	19.46	8.13	32.64	115.90	8.8	3.5	2.9
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS10(N)	16:14	1.0	Surface	1	1	19.54	8.13	32.56	113.30	8.8	3.5	2.0
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS10(N)	16:14	1.0	Surface	1	2	19.53	8.13	32.64	115.50	8.8	3.5	1.7
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS10(N)	14:03	2.2	Middle	2	1	19.70	8.13	31.95	115.10	8.8	3.6	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS10(N)	14:05	2.2	Middle	2	2	19.67	8.14	32.16	115.60	8.8	3.7	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS10(N)	14:04	3.3	Bottom	3	1	19.42	8.13	32.64	115.30	8.8	3.7	3.1
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	IS10(N)	14:03	3.3	Bottom	3	2	19.43	8.13	32.64	114.80	8.8	3.7	3.3
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR3(N)	14:02	1.0	Surface	1	1	19.46	8.13	32.59	114.50	8.8	3.6	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR3(N)	14:04	1.0	Surface	1	2	19.42	8.13	32.58	114.60	8.8	3.7	3.1
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR3(N)	9:31	1.0	Bottom	3	1	19.62	8.11	32.12	116.00	8.8	3.6	2.6
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR3(N)	9:29	1.0	Bottom	3	2	19.75	8.11	32.21	115.90	8.8	3.6	1.9
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR4(N3)	9:30	1.0	Surface	1	1	19.38	8.10	32.63	115.60	8.8	3.6	2.2
HKLR HKLR	HY/2011/03	2023-02-10 2023-02-10	Mid-Ebb Mid-Ebb	Cloudy	SR4(N3)	9:29	1.0 9.4	Surface	1	2	19.38 19.42	8.10 8.10	32.64 32.61	115.10 114.50	8.8 8.7	3.5	3.2 2.4
HKLR	HY/2011/03 HY/2011/03	2023-02-10	Mid-Ebb	Cloudy Cloudy	SR4(N3) SR4(N3)	9:28 9:30	9.4 9.4	Bottom Bottom	3	1 2	19.42	8.10	32.51	114.50	8.7	3.5 3.7	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR5(N)	9:30	9.4	Surface	1	1	19.42	8.10	32.38	115.80	8.8	3.6	2.0
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR5(N)	9:40	1.0	Surface	1	2	19.70	8.11	32.04	115.00	8.8	3.5	1.6
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR5(N)	9:40	4.0	Middle	2	1	19.47	8.10	32.47	116.00	8.8	3.6	3.6
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR5(N)	9:41	4.0	Middle	2	2	19.45	8.10	32.49	115.60	8.8	3.7	3.0
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR5(N)	9:41	7.0	Bottom	3	1	19.48	8.11	32.51	115.20	8.8	3.7	3.1
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR5(N)	9:40	7.0	Bottom	3	2	19.49	8.11	32.49	115.40	8.8	3.6	3.9
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10A(N)	8:33	1.0	Surface	1	1	19.67	8.11	32.11	116.00	8.8	3.9	1.9
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10A(N)	8:32	1.0	Surface	1	2	19.65	8.11	32.08	116.00	8.8	3.8	1.5
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10A(N)	8:33	5.5	Middle	2	1	19.42	8.11	32.62	115.20	8.8	3.9	1.8
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10A(N)	8:32	5.5	Middle	2	2	19.42	8.10	32.62	115.60	8.8	3.9	2.0
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10A(N)	8:32	10.0	Bottom	3	1	19.41	8.10	32.55	115.50	8.8	3.9	1.9
HKLR	HY/2011/03 HY/2011/03	2023-02-10	Mid-Ebb Mid-Ebb	Cloudy	SR10A(N) SR10B(N2)	8:32	10.0 1.0	Bottom Surface	3	2	19.41	8.11	32.53	115.10	8.8	4.0	3.5 2.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-10 2023-02-10	Mid-Ebb Mid-Ebb	Cloudy Cloudy	SR10B(N2) SR10B(N2)	8:21 8:20	1.0	Surface	1	2	19.64 19.61	8.10 8.09	32.10 32.18	115.80 116.00	8.8 8.8	3.7 3.7	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10B(N2)	8:20	4.1	Middle	2	1	19.61	8.09	32.18	115.50	8.8	3.7	3.6
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10B(N2)	8:20	4.1	Middle	2	2	19.38	8.09	32.50	115.50	8.8	3.8	2.6
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10B(N2)	8:19	7.1	Bottom	3	1	19.40	8.09	32.63	115.40	8.8	3.8	2.6
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	SR10B(N2)	8:20	7.1	Bottom	3	2	19.42	8.09	32.62	115.10	8.8	3.8	3.3
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	CS2(A)	10:39	1.0	Surface	1	1	19.69	8.12	32.02	115.50	8.8	3.8	3.0
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	CS2(A)	10:38	1.0	Surface	1	2	19.72	8.12	32.06	116.70	8.9	3.8	2.8
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	CS2(A)	10:37	3.2	Middle	2	1	19.44	8.11	32.53	115.60	8.8	4.0	3.0
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	CS2(A)	10:39	3.2	Middle	2	2	19.44	8.11	32.51	115.40	8.8	3.9	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	CS2(A)	10:38	5.4	Bottom	3	1	19.51	8.11	32.51	115.00	8.8	3.9	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Cloudy	CS2(A)	10:36	5.4	Bottom	3	2	19.50	8.11	32.57	115.20	8.8	4.0	1.8
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Fine	CS(Mf)5	14:27	1.0	Surface	1	1	18.22	7.95	33.08	96.30	7.1	3.5	2.5
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Fine	CS(Mf)5	14:28	1.0	Surface	1	2	18.23	7.95	33.08	96.70	7.1	3.6	2.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Fine	CS(Mf)5	14:27	4.3	Middle	2	1	18.05	7.94	33.42	95.40	7.0	3.8	1.7
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Fine	CS(Mf)5	14:27	4.3	Middle	2	2	18.06	7.94	33.41	96.00	7.1	3.8	1.8
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Fine	CS(Mf)5	14:27	7.5	Bottom	3	1	18.04	7.94	33.44	94.70	7.0	3.9	1.4
HKLR	HY/2011/03	2023-02-10	Mid-Ebb	Fine	CS(Mf)5	14:27	7.5	Bottom	3	2	18.06	7.94	33.41	95.40	7.0	4.0	1.5
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS5	14:37	1.0	Surface	1	1	18.26	7.96	33.03	98.20	7.2	3.5	1.5
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS5	14:37	1.0	Surface	1	2	18.25	7.96	33.04	99.10	7.3	3.5	1.9
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS5	14:37	1.0	Middle	2	1	18.18	7.95	33.17	97.60	7.2	3.8	4.9
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS5	14:36	1.0	Middle	2	2	18.13	7.97	33.16	96.00	7.0	3.8	5.5
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS5	14:46	1.0	Bottom	3	1	18.26	7.97	33.04	99.00	7.3	3.6	3.1
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-10 2023-02-10	Mid-Flood Mid-Flood	Fine	IS5 IS(Mf)6	14:46 14:46	1.0 1.0	Bottom Surface	-	2	18.25 18.17	7.96 7.96	33.04 33.17	98.30 97.70	7.2	3.7 3.9	2.5 2.4
HKLR	HY/2011/03 HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	IS(IVIT)6	14:46	1.0	Surface	1	2	18.17	7.96	33.17	97.00	7.2	3.9	2.4
HKLR	HY/2011/03 HY/2011/03		Mid-Flood		IS(IVIT)6	14:46	1.0	Bottom	3	1	18.12	7.96	33.22	97.00	7.1	3.9	2.7
HKLR	HY/2011/03 HY/2011/03	2023-02-10 2023-02-10	Mid-Flood	Fine	IS(Mf)6	15:19	1.0	Bottom	3	2	18.30	7.96	32.97	97.40	7.1	3.5	1.9
HKLR	HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	IS(1011)0	15:19	1.0	Surface	1	1	18.29	7.95	33.11	96.30	7.1	3.4	3.0
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS7	15:19	1.0	Surface	1	2	18.16	7.95	33.18	95.30	7.0	3.9	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS7	14:56	1.0	Bottom	3	1	18.23	7.96	33.03	97.70	7.0	3.5	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	IS7	14:56	1.0	Bottom	3	2	18.22	7.96	33.02	97.00	7.2	3.5	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS8(N)	14:56	1.0	Surface	1	1	18.12	7.96	33.21	97.00	7.1	3.8	2.0
HKLR	HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	IS8(N)	14:56	1.0	Surface	1	2	18.12	7.96	33.20	96.40	7.1	3.8	2.0
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS8(N)	14:16	1.0	Bottom	3	1	18.10	7.95	33.02	99.10	7.1	3.7	3.3
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS8(N)	14:15	1.0	Bottom	3	2	18.27	7.95	32.98	98.00	7.2	3.6	2.8
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS(Mf)9	14:15	1.0	Surface	1	1	18.15	7.95	33.05	96.40	7.1	3.9	2.4
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS(Mf)9	14:15	1.0	Surface	1	2	18.18	7.95	33.07	97.60	7.2	3.8	2.8
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS(Mf)9	15:11	1.0	Bottom	3	1	18.29	7.95	33.00	97.70	7.2	3.3	1.9
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS(Mf)9	15:10	1.0	Bottom	3	2	18.32	7.95	32.96	97.40	7.1	3.4	2.3
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS10(N)	15:10	1.0	Surface	1	1	18.22	7.94	33.14	97.10	7.1	3.6	1.6
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS10(N)	15:10	1.0	Surface	1	2	18.23	7.94	33.11	96.70	7.1	3.7	1.9
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS10(N)	16:02	3.7	Middle	2	1	18.32	7.95	33.23	94.40	6.9	3.0	2.8
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS10(N)	16:01	3.7	Middle	2	2	18.35	7.94	33.22	93.90	6.9	3.0	3.0
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS10(N)	16:01	6.4	Bottom	3	1	18.01	7.91	33.78	92.00	6.8	3.1	2.6
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	IS10(N)	16:02	6.4	Bottom	3	2	18.02	7.91	33.77	92.50	6.8	3.2	2.1
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR3(N)	16:01	1.0	Surface	1	1	17.99	7.91	33.78	91.70	6.7	3.4	2.0
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR3(N)	16:02	1.0	Surface	1	2	18.00	7.91	32.83	92.10	6.7	3.4	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR3(N)	10:41	1.0	Bottom	3	1	17.93	7.95	33.38	95.60	7.0	3.2	1.8
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR3(N)	10:40	1.0	Bottom	3	2	17.94	7.96	33.38	96.30	7.0	3.3	2.1
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR4(N3)	10:40	1.0	Surface	1	1	17.77	7.94	33.66	93.00	6.8	3.4	1.6
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR4(N3)	10:41	1.0	Surface	1	2	17.76	7.94	33.66	94.10	6.9	3.4	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR4(N3)	10:40	7.4	Bottom	3	1	17.73	7.93	33.72	93.70	6.9	3.6	3.4
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR4(N3)	10:40	7.4	Bottom	3	2	17.77	7.94	33.71	92.50	6.8	3.6	3.1
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR5(N)	10:31	1.0	Surface	1	1	17.96	7.96	33.38	96.10	7.0	3.4	2.5
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR5(N)	10:31	1.0	Surface	1	2	17.95	7.96	33.40	95.80	7.0	3.4	1.9
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR5(N)	10:31	1.0	Middle	2	1	17.92	7.96	33.47	95.50	7.0	3.7	2.5
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR5(N)	10:30	1.0	Middle	2	2	17.91	7.96	33.49	95.10	6.9	3.7	3.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR5(N)	10:20	1.0	Bottom	3	1	18.01	7.97	33.33	96.70	7.1	3.4	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR5(N)	10:19	1.0	Bottom	3	2	17.96	7.97	33.37	96.40	7.0	3.4	2.1
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR10A(N)	10:19	1.0	Surface	1	1	17.92	7.96	33.42	95.70	7.0	3.6	1.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-10	Mid-Flood	Fine	SR10A(N)	10:19	1.0	Surface	2	2	17.93 17.96	7.96 7.96	33.41	96.20	7.0	3.7 3.4	1.8 2.6
HKLR	HY/2011/03 HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	SR10A(N) SR10A(N)	9:45	2	Middle Middle	2	1 2	17.96 17.94	7.96	33.23 33.25	96.70 97.80	7.1		2.6
HKLR	HY/2011/03 HY/2011/03	2023-02-10 2023-02-10	Mid-Flood Mid-Flood	Fine	SR10A(N) SR10A(N)	9:46 9:45	3	Bottom	3	1	17.94	7.96	33.25	97.80	7.2	3.4 3.6	2.3
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR10A(N) SR10A(N)	9:45	3	Bottom	3	2	17.89	7.95	33.46	95.20	7.0	3.6	2.5
HKLR	HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	SR10A(N) SR10B(N2)	9:45	1.0	Surface	1	1	17.88	7.96	33.46	95.20	7.0	3.7	1.6
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR10B(N2)	10:10	1.0	Surface	1	2	18.02	7.97	33.29	96.60	7.0	3.1	1.0
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	SR10B(N2)	10:10	1.0	Middle	2	1	17.97	7.97	33.41	95.90	7.0	3.5	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	SR10B(N2)	10:10	1	Middle	2	2	17.97	7.96	33.40	95.90	6.9	3.5	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	SR10B(N2)	10:52	1.0	Bottom	3	1	17.94	7.97	33.36	95.10	7.0	3.4	3.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	SR10B(N2)	10:52	1.0	Bottom	3	2	17.98	7.96	33.35	95.70	7.0	3.6	2.5
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	CS2(A)	10:52	1.0	Surface	1	1	17.93	7.95	33.44	94.80	6.9	3.8	3.8
TINEN	, 2011/03	2023-02-10		1116	00-(M)	10.52	1.0	54.1400	-	· ·	11.33	1.55	33.44	54.00	5.5	5.0	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	CS2(A)	10:52	1.0	Surface	1	2	17.88	7.95	33.45	93.70	6.9	3.9	3.1
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	CS2(A)	9:54	2.0	Middle	2	1	18.04	7.96	33.25	95.80	7.0	3.0	1.8
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	CS2(A)	9:54	2.0	Middle	2	2	18.00	7.95	33.25	95.80	7.0	3.0	2.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-10 2023-02-10	Mid-Flood Mid-Flood	Fine	CS2(A) CS2(A)	9:54 9:54	2.9 2.9	Bottom	3	1 2	17.92 17.94	7.95 7.95	33.48 33.44	95.10	6.9 7.0	3.2 3.2	2.8 2.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine Fine	CS2(A) CS(Mf)5	9:54	1.0	Bottom Surface	1	1	17.94	7.95	33.44	95.30 96.00	7.0	3.2	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood Mid-Flood	Fine	CS(Mf)5	9:04	1.0	Surface	1	2	18.07	7.92	33.47	95.80	7.0	2.9	2.1
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	CS(Mf)5	9:04	6.2	Middle	2	1	17.88	7.92	33.83	94.30	6.9	3.2	2.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	CS(Mf)5	9:03	6.2	Middle	2	2	17.89	7.91	33.92	94.80	6.9	3.3	2.1
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	CS(Mf)5	9:03	11.3	Bottom	3	1	17.89	7.91	34.02	93.70	6.8	3.5	3.2
HKLR	HY/2011/03	2023-02-10	Mid-Flood	Fine	CS(Mf)5	9:04	11.3	Bottom	3	2	17.87	7.92	33.91	93.40	6.8	3.6	2.2
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS5	5:52	1.0	Surface	1	1	17.82	7.94	33.51	90.90	6.3	3.9	3.9
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS5	5:52	1.0	Surface	1	2	17.85	7.94	33.53	92.50	6.4	3.8	4.4
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS5	5:51	4.2	Middle	2	1	17.49	7.89	34.01	90.10	6.2	4.0	4.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Ebb Mid-Ebb	Fine Fine	IS5 IS5	5:52 5:52	4.2	Middle Bottom	2	2	17.48 17.39	7.88	34.02 34.14	89.90 89.50	6.2 6.1	4.0 4.3	3.2 3.7
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	155	5:51	7.4	Bottom	3	2	17.39	7.87	34.14	89.50	6.2	4.5	3.4
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS(Mf)6	5:41	1.0	Surface	1	1	17.94	7.88	33.49	95.10	6.6	3.7	3.4
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS(Mf)6	5:40	1.0	Surface	1	2	17.91	7.94	33.52	95.20	6.6	3.7	4.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS(Mf)6	5:41	2.2	Bottom	3	1	17.90	7.93	33.62	95.00	6.6	3.9	3.8
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS(Mf)6	5:40	2.2	Bottom	3	2	17.85	7.93	33.69	95.00	6.6	3.8	3.5
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS7	5:30	1.0	Surface	1	1	17.93	7.94	33.53	94.60	6.6	3.5	4.5
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS7	5:31	1.0	Surface	1	2	17.96	7.94	33.47	95.00	6.6	3.5	4.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS7	5:30	2.3	Bottom	3	1	17.91	7.93	33.62	94.60	6.5	4.0	3.2
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS7	5:30	2.3 1.0	Bottom	3	2	17.88	7.93	33.63	94.60	6.6	4.0	3.9 3.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N)	4:57 4:56	1.0	Surface Surface	1	1	17.88 17.92	7.94 7.94	33.47 33.45	94.40 94.50	6.6 6.6	3.5 3.6	3.4
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS8(N)	4:56	3.1	Bottom	3	1	17.85	7.92	33.74	94.50	6.5	3.8	5.2
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS8(N)	4:56	3.1	Bottom	3	2	17.76	7.92	33.81	92.90	6.4	3.8	6.1
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS(Mf)9	5:20	1.0	Surface	1	1	17.94	7.95	33.48	94.30	6.6	3.6	5.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS(Mf)9	5:20	1.0	Surface	1	2	17.97	7.95	33.44	94.70	6.6	3.5	4.9
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS(Mf)9	5:20	2.4	Bottom	3	1	17.93	7.94	33.63	93.70	6.5	3.9	3.7
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS(Mf)9	5:20	2.4	Bottom	3	2	17.78	7.93	33.64	92.90	6.4	3.9	4.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS10(N)	5:07	1.0	Surface	1	1	17.55	7.91	33.54	94.70	6.8	3.7	4.6
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS10(N)	5:08	1.0	Surface	1	2	17.58	7.91	33.55	95.20	6.8	3.6	4.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	5:08 5:07	5.4 5.4	Middle Middle	2	1 2	17.54 17.55	7.90 7.90	33.98 33.97	93.00 92.80	6.6 6.6	4.0 4.0	3.2 3.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS10(N)	5:08	9.7	Bottom	3	1	17.56	7.90	34.01	92.60	6.6	4.0	3.4
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	IS10(N)	5:00	9.7	Bottom	3	2	17.55	7.89	34.02	93.00	6.6	4.3	4.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR3(N)	6:04	1.0	Surface	1	1	17.91	7.95	33.48	93.20	6.5	3.9	3.9
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR3(N)	6:03	1.0	Surface	1	2	17.89	7.94	33.53	92.70	6.5	4.0	4.7
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR3(N)	6:03	2.3	Bottom	3	1	17.87	7.93	33.64	92.10	6.4	4.0	3.6
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR3(N)	6:03	2.3	Bottom	3	2	17.79	7.92	33.71	91.20	6.3	4.2	3.9
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR4(N3)	5:07	1.0	Surface	1	1	17.90	7.94	33.47	93.90	6.5	3.4	5.2
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR4(N3)	5:07	1.0	Surface	1	2	17.85	7.94	33.46	94.10	6.6	3.4	5.3
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13	Mid-Ebb Mid-Ebb	Fine	SR4(N3) SR4(N3)	5:07	3.0 3.0	Bottom	3	1 2	17.82 17.78	7.92 7.92	33.76	93.80	6.5 6.5	3.6 3.7	3.5 4.0
HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Ebb	Fine Fine	SR4(N3) SR5(N)	5:07 5:18	3.0	Bottom Surface	3	1	17.78	7.92	33.81 33.65	93.90 92.10	6.5	3.7	4.0
HKLR	HY/2011/03 HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR5(N) SR5(N)	5:18	1.0	Surface	1	2	17.62	7.91	33.65	92.10	6.6	3.8	3.0 4.4
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR5(N)	5:18	4.6	Middle	2	1	17.57	7.90	33.96	91.30	6.5	4.2	3.4
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR5(N)	5:10	4.6	Middle	2	2	17.57	7.90	33.97	91.70	6.5	4.2	4.2
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR5(N)	5:17	8.2	Bottom	3	1	17.56	7.89	34.06	91.60	6.5	4.5	4.2
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR5(N)	5:17	8.2	Bottom	3	2	17.55	7.89	34.07	92.00	6.5	4.5	3.6
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10A(N)	4:16	1.0	Surface	1	1	17.62	7.89	33.96	93.30	6.6	3.1	3.2
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10A(N)	4:16	1.0	Surface	1	2	17.71	7.90	33.88	93.20	6.6	3.1	3.6
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10A(N)	4:15	6.4	Middle	2	1	17.61	7.88	34.24	91.90	6.5	3.3	5.5
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10A(N)	4:16	6.4	Middle	2	2	17.61	7.89	34.24	90.80	6.4	3.3	5.7
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10A(N)	4:16	11.8	Bottom	3	1	17.64	7.89	34.29	91.10	6.4	3.7	3.5
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10A(N)	4:15	11.8	Bottom	3	2	17.62	7.89	34.28	92.00	6.5	3.8	3.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10B(N2)	4:06	1.0	Surface	1	1	17.70	7.90	33.88	95.90	6.8	3.1	4.2
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10B(N2)	4:05	1.0	Surface	1	2	17.71	7.89	33.88	96.30	6.8	3.2	4.1
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10B(N2)	4:05	4.0	Middle	2	1	17.63	7.88	34.16	94.50	6.7	3.4	4.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	SR10B(N2)	4:06	4.0	Middle	2	2	17.64	7.88	34.09	92.60	6.6	3.3	4.5
HKLR	HY/2011/03	2023-02-13	Mid-Ebb Mid-Ebb	Fine	SR10B(N2)	4:06	6.9	Bottom	3	1	17.61	7.88	34.26	92.10	6.5	3.7	5.0 4.3
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Ebb	Fine	SR10B(N2)	4:05 6:09	6.9	Bottom	-	2	17.60 17.53	7.88	34.28 33.66	92.30 94.40	6.5 6.8	3.6 4.1	4.3
HKLR	HY/2011/03 HY/2011/03	2023-02-13	Mid-Ebb	Fine Fine	CS2(A) CS2(A)	6:09	1.0 1.0	Surface Surface	1	1	17.53	7.92	33.60	94.40	6.8	4.1	3.3
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS2(A) CS2(A)	6:09	3.3	Middle	2	1	17.31	7.92	33.91	93.60	6.7	4.0	3.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS2(A) CS2(A)	6:08	3.3	Middle	2	2	17.49	7.91	33.91	93.60	6.7	4.5	3.4
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS2(A)	6:08	5.5	Bottom	3	1	17.49	7.92	34.05	93.70	6.7	4.4	4.5
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS2(A)	6:09	5.5	Bottom	3	2	17.49	7.91	34.05	93.40	6.7	4.7	4.5
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS(Mf)5	4:12	1.0	Surface	1	1	17.45	7.94	33.42	94.40	6.5	3.3	5.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS(Mf)5	4:11	1.0	Surface	1	2	17.81	7.92	33.48	93.60	6.5	3.3	4.6
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS(Mf)5	4:12	6.4	Middle	2	1	17.47	7.92	34.05	91.00	6.3	3.5	4.0
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS(Mf)5	4:11	6.4	Middle	2	2	17.47	7.91	34.05	92.10	6.4	3.5	4.3
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS(Mf)5	4:11	11.7	Bottom	3	1	17.48	7.90	34.12	90.80	6.4	3.8	4.1
HKLR	HY/2011/03	2023-02-13	Mid-Ebb	Fine	CS(Mf)5	4:12	11.7	Bottom	3	2	17.45	7.90	34.15	91.10	6.2	3.7	4.1
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS5	11:06	1.0	Surface	1	1	18.05	7.93	33.42	97.20	6.8	3.6	3.7
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS5	11:07	1.0	Surface	1	2	18.10	7.93	33.45	98.20	6.8	3.7	3.7
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS5	11:06	4.3	Middle	2	1	17.91	7.91	33.86	96.70	6.7	4.1	5.5
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS5	11:06	4.3	Middle	2	2	17.88	7.91	33.88	96.60	6.7	4.2	5.4
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS5	11:06	7.5	Bottom	3	1	17.91	7.91	33.86	97.00	6.8	4.2	4.8
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS5	11:06	7.5	Bottom	3	2	17.89	7.91	33.88	97.50	6.8	4.2	4.7
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS(Mf)6	11:17	1.0	Surface	1	1	18.08	7.93	33.41	97.90	6.8	3.6	5.2
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS(Mf)6	11:17	1.0	Surface	1	2	18.04	7.94	33.42	97.30	6.8	3.6	5.2
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS(Mf)6	11:17	2.2	Bottom	3	1	18.05	7.94	33.55	96.20	6.7	4.0	4.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS(Mf)6	11:17	2.2	Bottom	3	2	17.99	7.94	33.59	96.00	6.7	4.0	4.8
HKLR	HY/2011/03	2023-02-13	Mid-Flood Mid-Flood	Fine	IS7 IS7	11:27	1.0 1.0	Surface	1	1	18.09	7.94	33.40	98.00	6.8	3.5	3.8 4.7
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Flood Mid-Flood	Fine	IS7 IS7	11:27 11:26	2.3	Surface	1	2	18.06 18.02	7.93 7.93	33.43 33.62	98.00 98.00	6.8 6.8	3.7 4.0	4.7
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	157	11:26	2.3	Bottom Bottom	3	2	18.02	7.93	33.62	98.00	6.8	3.9	4.1
HKLR	HY/2011/03	2023-02-13	Mid-Flood Mid-Flood	Fine	IS8(N)	11:59	1.0	Surface	1	1	18.05	7.92	33.43	96.20	6.7	3.6	4.3
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS8(N)	11:59	1.0	Surface	1	2	18.05	7.94	33.38	96.80	6.8	3.6	4.8
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS8(N)	11:59	3.1	Bottom	3	1	18.01	7.91	33.60	96.50	6.7	3.8	3.7
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS8(N)	11:59	3.1	Bottom	3	2	17.97	7.91	33.68	95.80	6.7	3.9	3.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS(Mf)9	11:36	1.0	Surface	1	1	18.09	7.94	33.41	97.60	6.8	3.5	4.7
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS(Mf)9	11:35	1.0	Surface	1	2	18.07	7.93	33.42	97.30	6.8	3.5	5.0
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS(Mf)9	11:35	2.5	Bottom	3	1	18.04	7.93	33.62	97.40	6.8	3.8	5.0
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS(Mf)9	11:35	2.5	Bottom	3	2	17.99	7.92	33.63	97.20	6.8	3.7	3.9
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS10(N)	11:51	1.0	Surface	1	1	17.75	7.90	33.39	92.30	6.6	3.9	4.9
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS10(N)	11:51	1.0	Surface	1	2	17.77	7.90	33.37	92.60	6.6	3.8	4.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS10(N)	11:51	5.4	Middle	2	1	17.59	7.89	33.97	91.80	6.5	4.1	4.8
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS10(N)	11:51	5.4	Middle	2	2	17.59	7.89	33.98	91.70	6.5	4.1	5.1
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS10(N)	11:51	9.7	Bottom	3	1	17.62	7.89	34.01	91.40	6.5	4.2	5.3
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	IS10(N)	11:50	9.7	Bottom	3	2	17.60	7.89	34.05	91.80	6.5	4.2	5.8
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR3(N)	10:55	1.0	Surface	1	1	18.09	7.95	33.42	100.00	7.0	3.8	5.1
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR3(N)	10:56	1.0	Surface	1	2	18.12	7.95	33.42	100.00	7.0	3.8	3.9
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR3(N)	10:55	2.2	Bottom	3	1	18.09	7.95	33.47	99.20	6.9	4.0	2.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR3(N)	10:55	2.2	Bottom	3	2	18.05	7.94	33.52	99.00	6.9	4.0	3.0
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR4(N3)	11:51	1.0	Surface	1	1	18.05	7.94	33.44	96.10	6.7	3.6	2.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR4(N3)	11:50	1.0	Surface	1	2	18.05	7.93	33.40	95.80	6.7	3.6	3.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13	Mid-Flood Mid-Flood	Fine	SR4(N3)	11:50	2.8	Bottom	3	1	18.01	7.91 7.92	33.58	94.60 95.40	6.6	3.8	2.5
HKLR	HY/2011/03 HY/2011/03	2023-02-13	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR5(N)	11:50 11:40	2.8 1.0	Bottom Surface	3	2	18.04 17.75	7.92	33.63 33.39	95.40 93.90	6.6 6.7	3.9 4.0	3.4 4.1
HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Flood Mid-Flood	Fine	SR5(N) SR5(N)	11:40	1.0	Surface	1	2	17.75	7.91	33.39	93.90	6.7	4.0	4.1 3.1
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR5(N)	11:39	4.6	Middle	2	1	17.61	7.91	33.43	93.40	6.6	4.0	3.1
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR5(N)	11:40	4.6	Middle	2	2	17.61	7.90	33.90	92.40	6.5	4.1	3.7
HKLR	HY/2011/03	2023-02-13	Mid-Flood Mid-Flood	Fine	SR5(N)	11:39	8.2	Bottom	3	1	17.58	7.90	34.06	92.00	6.5	4.2	4.0
TINEN		2023-02-13		TITE	51(1)	11.55	0.2	5011011	5	-	17.50	7.50	34.00	52.00	0.5	4.5	7.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR5(N)	11:40	8.2	Bottom	3	2	17.59	7.89	34.06	92.30	6.5	4.5	4.8
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10A(N)	12:44	1.0	Surface	1	1	17.68	7.91	34.21	93.50	6.6	3.5	2.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10A(N)	12:43	1.0	Surface	1	2	17.72	7.91	34.19	93.80	6.6	3.5	3.1
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10A(N)	12:43	6.4	Middle	2	1 2	17.59	7.91	34.56	92.50	6.5	3.9	3.6 4.3
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	12:43 12:42	6.4 11.7	Middle Bottom	3	1	17.60 17.60	7.91	34.53 34.57	91.30 92.30	6.4 6.5	3.9 4.0	4.3
HKLR	HY/2011/03	2023-02-13	Mid-Flood Mid-Flood	Fine	SR10A(N)	12:42	11.7	Bottom	3	2	17.60	7.92	34.57	92.30	6.5	4.0	3.8
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10B(N2)	12:54	1.0	Surface	1	1	17.71	7.90	34.27	91.90	6.5	3.4	3.1
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10B(N2)	12:53	1.0	Surface	1	2	17.71	7.91	34.24	92.10	6.5	3.4	4.2
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10B(N2)	12:54	4.1	Middle	2	1	17.64	7.90	34.42	91.20	6.4	3.6	4.2
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10B(N2)	12:53	4.1	Middle	2	2	17.63	7.91	34.43	91.10	6.4	3.6	4.0
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10B(N2)	12:53	7.1	Bottom	3	1	17.61	7.91	34.51	91.10	6.4	3.9	5.0
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	SR10B(N2)	12:53	7.1	Bottom	3	2	17.64	7.90	34.46	91.00	6.4	3.9	4.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS2(A)	10:47	1.0	Surface	1	1	17.55	7.91	33.55	97.40	7.0	3.6	4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-13 2023-02-13	Mid-Flood Mid-Flood	Fine	CS2(A) CS2(A)	10:47 10:47	1.0 3.3	Surface	1 2	2	17.53 17.49	7.91 7.90	33.51 33.95	96.40 94.80	6.9	3.5 4.0	4.2 4.3
HKLR	HY/2011/03 HY/2011/03	2023-02-13	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	10:47	3.3	Middle Middle	2	2	17.49	7.90	33.95	94.80	6.8 6.8	4.0	4.3
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS2(A)	10:40	5.6	Bottom	3	1	17.46	7.90	34.11	94.90	6.8	4.1	3.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS2(A)	10:46	5.6	Bottom	3	2	17.46	7.91	34.12	94.90	6.8	4.3	4.2
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS(Mf)5	12:42	1.0	Surface	1	1	17.98	7.94	33.45	90.90	6.3	3.6	4.5
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS(Mf)5	12:43	1.0	Surface	1	2	18.00	7.94	33.44	91.40	6.3	3.4	4.0
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS(Mf)5	12:43	6.4	Middle	2	1	17.42	7.87	34.17	88.70	6.2	3.7	4.6
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS(Mf)5	12:42	6.4	Middle	2	2	17.41	7.88	34.19	89.10	6.2	3.7	3.9
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS(Mf)5	12:43	11.7	Bottom	3	1	17.43	7.88	33.09	88.40	6.1	4.0	4.4
HKLR	HY/2011/03	2023-02-13	Mid-Flood	Fine	CS(Mf)5	12:42	11.7	Bottom	3	2	17.37	7.88	34.18	88.40	6.1	3.9	4.9
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS5	19:41	1.0	Surface	1	1	17.90	7.90	33.22	96.40	6.7	3.3	1.5
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-15 2023-02-15	Mid-Ebb Mid-Ebb	Fine Fine	IS5 IS5	19:42 19:42	1.0 4.3	Surface Middle	1	2	17.93 17.76	7.89 7.87	33.27 33.65	97.30 95.80	6.7 6.6	3.3 3.7	1.7 1.5
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	155	19:42	4.3	Middle	2	2	17.76	7.87	33.68	95.80	6.6	3.8	1.5
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS5	19:41	7.5	Bottom	3	1	17.74	7.87	33.65	96.30	6.7	3.8	1.9
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS5	19:41	7.5	Bottom	3	2	17.75	7.87	33.67	97.10	6.7	3.8	1.4
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS(Mf)6	19:52	1.0	Surface	1	1	17.95	7.90	33.21	97.10	6.7	3.3	2.2
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS(Mf)6	19:52	1.0	Surface	1	2	17.91	7.91	33.24	96.80	6.7	3.3	2.5
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS(Mf)6	19:52	2.2	Bottom	3	1	17.92	7.91	33.33	95.90	6.6	3.6	2.6
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS(Mf)6	19:52	2.2	Bottom	3	2	17.87	7.91	33.39	96.70	6.7	3.6	2.7
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS7	20:03	1.0	Surface	1	1	17.96	7.91	33.20	96.80	6.7	3.1	3.2
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS7	20:03	1.0	Surface	1	2	17.94	7.90	33.22	97.10	6.7	3.3	2.4
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Ebb Mid-Ebb	Fine	IS7 IS7	20:03	2.3 2.3	Bottom	3	1 2	17.91	7.90	33.38	97.10	6.7	3.5 3.4	2.7 2.3
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-15 2023-02-15	Mid-Ebb	Fine Fine	IS7 IS8(N)	20:03 20:38	1.0	Bottom Surface	3	1	17.92 17.92	7.90 7.89	33.34 33.26	96.70 95.40	6.7 6.6	3.4	2.3
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS8(N)	20:38	1.0	Surface	1	2	17.92	7.89	33.20	95.90	6.6	3.1	2.4
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS8(N)	20:38	3.2	Bottom	3	1	17.88	7.88	33.42	95.80	6.6	3.3	2.9
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS8(N)	20:38	3.2	Bottom	3	2	17.86	7.88	33.48	94.90	6.6	3.3	2.2
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS(Mf)9	20:12	1.0	Surface	1	1	17.97	7.91	33.20	96.30	6.7	3.1	2.8
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS(Mf)9	20:12	1.0	Surface	1	2	17.94	7.90	33.22	96.10	6.7	3.1	2.8
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS(Mf)9	20:12	2.5	Bottom	3	1	17.92	7.90	33.38	96.20	6.7	3.4	3.2
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS(Mf)9	20:12	2.5	Bottom	3	2	17.88	7.89	33.40	96.00	6.6	3.4	3.6
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS10(N)	20:23	1.0	Surface	1	1	17.58	8.14	31.46	99.90	8.1	3.0	3.0
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS10(N)	20:24	1.0	Surface	1	2	17.58	8.14	31.46	99.70	8.1	3.1	2.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Ebb Mid-Ebb	Fine	IS10(N) IS10(N)	20:24	5.3	Middle Middle	2	1 2	17.50	8.14	31.53	99.50	8.1	3.1	2.2 1.9
HKLR	HY/2011/03 HY/2011/03	2023-02-15 2023-02-15	Mid-Ebb	Fine Fine	IS10(N) IS10(N)	20:23 20:24	5.3 9.5	Bottom	2	2	17.50 17.47	8.15 8.15	31.53 31.62	99.60 99.20	8.1 8.0	3.1 3.3	1.9 2.3
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Ebb	Fine	IS10(N)	20:24	9.5	Bottom	3	2	17.47	8.15	31.62	99.20	8.0	3.3	2.3
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR3(N)	19:31	1.0	Surface	1	1	17.94	7.93	33.21	100.30	6.9	3.4	1.8
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR3(N)	19:31	1.0	Surface	1	2	17.94	7.93	33.20	99.70	6.9	3.4	2.1
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR3(N)	19:31	2.2	Bottom	3	1	17.95	7.92	33.25	99.50	6.9	3.7	2.9
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR3(N)	19:31	2.2	Bottom	3	2	17.91	7.91	33.31	100.30	6.9	3.6	2.5
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR4(N3)	20:29	1.0	Surface	1	1	17.93	7.91	33.24	95.40	6.6	3.1	2.8
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR4(N3)	20:29	1.0	Surface	1	2	17.93	7.90	33.21	95.10	6.6	3.1	2.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR4(N3)	20:28	2.8	Bottom	3	1	17.89	7.88	33.37	94.40	6.5	3.4	3.3
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR4(N3)	20:29	2.8	Bottom	3	2	17.93	7.89	33.41	95.00	6.6	3.5	2.4
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR5(N)	20:12	1.0	Surface	1	1	17.62	8.16	31.43	101.20	8.2	2.8	2.0
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR5(N)	20:12	1.0	Surface	1	2	17.58	8.15	31.46	100.50	8.1	2.8	2.0
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR5(N)	20:12	4.7	Middle	2	1	17.52	8.17	31.51	101.10	8.2	3.0	2.3
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR5(N)	20:12	4.7	Middle	2	2	17.53	8.15	31.50	100.40	8.1	2.9	2.2
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR5(N)	20:12	8.3	Bottom	3	1	17.54	8.16	31.54	100.60	8.1	3.3 3.2	1.7
HKLR	HY/2011/03	2023-02-15	Mid-Ebb Mid-Ebb	Fine	SR5(N)	20:12	8.3	Bottom	3	2	17.47	8.19	31.60	101.00	8.2		1.4 1.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10A(N) SR10A(N)	21:15	1.0 1.0	Surface Surface	1	1 2	17.58 17.58	8.10	32.74	95.50 95.00	7.7	2.8 2.7	1.4
HKLR	HY/2011/03	2023-02-15 2023-02-15	Mid-Ebb	Fine	SR10A(N) SR10A(N)	21:16 21:15	6.3	Middle	2	1	17.58	8.11 8.10	32.74 32.87	95.00	7.6	3.0	1.0
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10A(N)	21:15	6.3	Middle	2	2	17.55	8.10	32.87	94.80	7.6	2.9	1.3
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10A(N)	21:10	11.5	Bottom	3	1	17.55	8.10	32.80	95.10	7.7	3.0	1.4
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10A(N)	21:15	11.5	Bottom	3	2	17.55	8.10	32.88	95.50	7.7	3.0	1.5
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10B(N2)	21:15	1.0	Surface	1	1	17.58	8.10	32.75	94.40	7.6	2.1	1.3
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10B(N2)	21:25	1.0	Surface	1	2	17.56	8.10	32.80	94.60	7.6	2.2	1.6
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10B(N2)	21:25	3.6	Middle	2	1	17.55	8.10	32.86	94.50	7.6	2.4	2.9
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10B(N2)	21:25	3.6	Middle	2	2	17.55	8.10	32.86	94.20	7.6	2.4	2.4
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10B(N2)	21:25	6.2	Bottom	3	1	17.55	8.10	32.88	94.40	7.6	2.6	1.6
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	SR10B(N2)	21:25	6.2	Bottom	3	2	17.55	8.10	32.88	94.20	7.6	2.7	1.6
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS2(A)	19:22	1.0	Surface	1	1	17.35	8.16	31.45	100.40	8.2	3.2	1.7
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS2(A)	19:21	1.0	Surface	1	2	17.30	8.17	31.50	99.90	8.1	3.2	2.5
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS2(A)	19:21	3.2	Middle	2	1	17.24	8.17	31.55	99.30	8.1	3.2	2.2
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS2(A)	19:22	3.2	Middle	2	2	17.27	8.17	31.53	99.90	8.1	3.2	2.4
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS2(A)	19:21	5.3	Bottom	3	1	17.23	8.17	31.56	98.90	8.1	3.2	1.3
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS2(A)	19:22	5.3	Bottom	3	2	17.23	8.17	31.55	99.70	8.1	3.3	2.1
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS(Mf)5	21:17	1.0	Surface	1	1	17.87	7.92	33.24	92.10	6.3	3.4	1.9
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS(Mf)5	21:18	1.0	Surface	1	2	17.91	7.92	33.23	92.40	6.3	3.2	1.9
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS(Mf)5	21:18	6.4	Middle	2	1	17.46	7.86	33.84	89.90	6.2	3.4	2.6
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS(Mf)5	21:17	6.4	Middle	2	2	17.45	7.86	33.85	90.80	6.2	3.4	3.3
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS(Mf)5	21:17	11.8	Bottom	3	1	17.48	7.87	32.96	89.90	6.1	3.7	2.0
HKLR	HY/2011/03	2023-02-15	Mid-Ebb	Fine	CS(Mf)5	21:17	11.8	Bottom	3	2	17.41	7.86	33.85	89.80	6.2	3.6	3.2
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS5	9:19	1.0	Surface	1	1	17.73	7.92	33.28	91.10	6.3	3.5	3.7
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS5	9:18	1.0	Surface	1	2	17.76	7.91	33.31	92.60	6.4	3.4	5.5
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS5	9:18	4.2	Middle	2	1	17.44	7.87	33.73	90.80	6.2	3.6	5.0
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS5	9:19	4.2	Middle	2	2	17.45	7.86	33.73	90.50	6.2	3.6	5.1
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS5	9:19	7.4	Bottom	3	1	17.39	7.85	33.84	90.50	6.1	3.9	5.1
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS5	9:18	7.4	Bottom	3	2	17.40	7.86	33.79	90.70	6.1	4.0	4.0
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS(Mf)6	9:09	1.0	Surface	1	1	17.83	7.92	33.24	93.90	6.5	3.3	3.0
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS(Mf)6	9:09	1.0	Surface	1	2	17.80	7.91	33.28	94.10	6.5	3.3	2.0
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS(Mf)6	9:09	2.2	Bottom	3	1	17.79	7.90	33.36	93.80	6.4	3.4	2.6
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS(Mf)6	9:09	2.2	Bottom	3	2	17.74	7.89	33.45	93.90	6.4	3.3	2.9
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS7	8:59	1.0	Surface	1	1	17.84	7.91	33.27	93.70	6.5	3.2	4.4
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS7	9:00	1.0	Surface	1	2	17.86	7.91	33.22	94.10	6.5	3.2	3.5
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS7	8:59	2.3	Bottom	3	1	17.79	7.90	33.35	93.60	6.4	3.5	2.0
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	IS7	8:59	2.3	Bottom	3	2	17.82	7.90	33.35	93.60	6.4	3.4	2.8
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Flood	Fine	IS8(N)	8:20	1.0 1.0	Surface	1	1	17.80	7.91	33.21	93.90	6.5	3.1	2.4 2.9
HKLR HKLR		2023-02-15	Mid-Flood	Fine	IS8(N)	8:20	3.1	Surface	1	2	17.82 17.78	7.91 7.89	33.20	94.50 94.40	6.6 6.5	3.2 3.3	2.9
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Fine	IS8(N) IS8(N)	8:20	3.1	Bottom Bottom	3	2	17.78	7.89	33.45	94.40		3.3	2.0
HKLR	HY/2011/03 HY/2011/03	2023-02-15 2023-02-15	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS(Mf)9	8:20 8:49	3.1	Surface	3	1	17.64	7.88	33.54 33.19	92.80	6.4 6.5	3.3	2.0
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Fine	IS(Mf)9	8:49	1.0	Surface	1	2	17.85	7.92	33.19	93.80	6.5	3.1	1.2
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Fine	IS(Mf)9	8:49	2.4	Bottom	3	1	17.82	7.92	33.24 33.36	93.40	6.5	3.2	3.2
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Fine	IS(Mf)9	8:49	2.4		3	2	17.64	7.91	33.36	93.10	6.3	3.3	2.2
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Sunny	IS(IVIT)9	8:49	1.0	Bottom Surface	1	1	17.64	7.89 8.17	33.41 31.64	92.40	8.0	2.0	1.7
HKLR	HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Sunny	IS10(N)	8:42	1.0	Surface	1	2	17.36	8.17	31.57	98.30	8.0	2.0	1.7
HKLR	HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Sunny	IS10(N)	8:42	5.4	Middle	2	1	17.36	8.16	31.57	97.90	7.9	2.0	1.4
HKLR	HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Sunny	IS10(N)	8:42	5.4	Middle	2	2	17.36	8.10	31.65	98.30	8.0	2.2	1.2
HKLR	HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Sunny	IS10(N)	8:41	9.7	Bottom	3	1	17.36	8.17	31.67	97.90	8.0	2.1	1.7
TINEN	,2011/03	2023-02-13	Wild Flood	Juilly	1310(11)	0.42	5.1	Dottom	5	-	17.30	0.10	31.07	57.50	0.0	2.4	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	D O, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	IS10(N)	8:41	9.7	Bottom	3	2	17.36	8.18	31.67	98.40	8.0	2.3	1.8
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	SR3(N)	9:31	1.0	Surface	1	1	17.82	7.92	33.24	92.90	6.4	3.5	2.0
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	SR3(N)	9:31	1.0	Surface	1	2	17.80	7.91	33.30	92.60	6.4	3.5	1.5
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	SR3(N)	9:31	2.3	Bottom	3	1	17.77	7.90	33.37	92.30	6.3	3.6	2.8
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	SR3(N)	9:31	2.3	Bottom	3	2	17.71	7.89	33.46	91.60	6.3	3.6	2.9
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	SR4(N3)	8:32	1.0	Surface	1	1	17.79	7.91	33.23	93.30	6.5	3.1	1.3
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	SR4(N3)	8:31	1.0	Surface	1	2	17.77	7.91	33.21	93.50	6.5	3.1	1.9
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	SR4(N3)	8:31	3.1	Bottom	-	1	17.74	7.89	33.51	93.20	6.4	3.2	1.8 1.6
HKLR	HY/2011/03 HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Fine	SR4(N3) SR5(N)	8:31	3.1 1.0	Bottom Surface	3	2	17.70 17.37	7.89	33.53	93.10	6.4	3.2 2.3	1.6
HKLR HKLR	HY/2011/03	2023-02-15 2023-02-15	Mid-Flood Mid-Flood	Sunny Sunny	SR5(N)	8:49 8:50	1.0	Surface	1	2	17.37	8.15 8.14	31.69 31.69	97.70 97.60	7.9	2.3	1.5
HKLR	HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Sunny	SR5(N)	8:49	4.7	Middle	2	1	17.36	8.14	31.09	97.50	7.9	2.3	1.1
HKLR	HY/2011/03	2023-02-15	Mid-Flood Mid-Flood	Sunny	SR5(N)	8:50	4.7	Middle	2	2	17.36	8.13	31.70	97.50	7.9	2.4	1.2
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR5(N)	8:49	8.4	Bottom	3	1	17.36	8.14	31.70	97.40	7.9	2.3	1.2
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR5(N)	8:49	8.4	Bottom	3	2	17.30	8.15	31.70	97.50	7.9	2.3	1.9
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10A(N)	7:41	1.0	Surface	1	1	17.36	8.10	32.10	96.30	7.8	2.4	1.6
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10A(N) SR10A(N)	7:41	1.0	Surface	1	2	17.30	8.10	32.10	96.10	7.8	2.0	2.4
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10A(N)	7:41	6.4	Middle	2	1	17.47	8.09	32.32	95.80	7.7	2.0	1.4
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10A(N)	7:41	6.4	Middle	2	2	17.46	8.09	32.29	95.90	7.8	2.2	1.4
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10A(N)	7:41	11.7	Bottom	3	1	17.51	8.09	32.56	96.00	7.7	2.2	1.7
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10A(N)	7:40	11.7	Bottom	3	2	17.51	8.09	32.54	95.90	7.7	2.2	2.6
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10B(N2)	7:33	1.0	Surface	1	1	17.39	8.10	32.13	96.00	7.8	2.1	1.4
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10B(N2)	7:32	1.0	Surface	1	2	17.37	8.10	32.12	96.10	7.8	2.1	2.3
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10B(N2)	7:33	3.7	Middle	2	1	17.47	8.09	32.31	95.90	7.8	2.2	3.5
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10B(N2)	7:32	3.7	Middle	2	2	17.46	8.10	32.28	95.80	7.7	2.2	3.7
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10B(N2)	7:32	6.3	Bottom	3	1	17.50	8.09	32.46	95.70	7.7	2.3	1.7
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	SR10B(N2)	7:33	6.3	Bottom	3	2	17.49	8.09	32.48	95.80	7.7	2.3	1.8
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	CS2(A)	9:38	1.0	Surface	1	1	17.39	8.18	31.38	100.80	8.2	3.1	2.0
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	CS2(A)	9:38	1.0	Surface	1	2	17.42	8.17	31.35	100.80	8.2	3.2	1.6
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	CS2(A)	9:38	3.3	Middle	2	1	17.27	8.18	31.54	100.30	8.2	3.3	2.3
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	CS2(A)	9:38	3.3	Middle	2	2	17.24	8.19	31.55	100.30	8.2	3.2	2.2
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	CS2(A)	9:38	5.6	Bottom	3	1	17.23	8.20	31.56	100.20	8.2	3.3	1.5
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Sunny	CS2(A)	9:38	5.6	Bottom	3	2	17.24	8.18	31.55	100.30	8.2	3.4	1.5
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	CS(Mf)5	7:41	1.0	Surface	1	1	17.78	7.92	33.13	94.80	6.4	2.8	1.3
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	CS(Mf)5	7:41	1.0	Surface	1	2	17.74	7.89	33.20	94.10	6.5	2.8	1.3
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	CS(Mf)5	7:41	6.4	Middle	2	1	17.40	7.90	33.76	91.30	6.2	3.0	1.3
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	CS(Mf)5	7:40	6.4	Middle	2	2	17.38	7.88	33.77	92.50	6.3	3.0	1.6
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	CS(Mf)5	7:40	11.8	Bottom	3	1	17.37	7.87	33.85	91.70	6.4	3.4	2.6
HKLR	HY/2011/03	2023-02-15	Mid-Flood	Fine	CS(Mf)5	7:41	11.8	Bottom	3	2	17.40	7.88	33.87	91.90	6.2	3.3	2.0
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS5	10:13	1.0	Surface	1	1	17.75	7.89	33.86	96.00	6.61	3.20	3.8
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS5	10:13	1.0	Surface	1	2	17.77	7.87	33.91	96.80	6.67	3.10	3.5
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS5	10:13	4.3	Middle	2	1	17.62	7.85	34.28	95.40	6.56	3.50	3.1
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS5	10:13	4.3	Middle	2	2	17.60	7.85	34.31	95.60	6.58	3.60	2.7
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS5	10:13	7.6	Bottom	3	1	17.64	7.85	34.28	96.00	6.60	3.70	2.1
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS5	10:12	7.6	Bottom	3	2	17.61	7.85	34.30	96.90	6.68	3.60	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS(Mf)6	10:24	1.0	Surface	1	1	17.81	7.89	33.85	96.70	6.67	3.20	3.0
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS(Mf)6	10:23	1.0	Surface	1	2	17.77	7.90	33.88	96.60	6.67	3.20	3.3
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS(Mf)6	10:23	2.2	Bottom	3	1	17.79	7.90	33.95	95.80	6.61	3.40	2.2
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS(Mf)6	10:23	2.2	Bottom	3	2	17.74	7.89	34.03	97.10	6.70	3.40	2.5
HKLR	HY/2011/03	2023-02-17	Mid-Ebb Mid-Ebb	Fine	IS7	10:35	1.0 1.0	Surface	1	1	17.82	7.90	33.83	96.20	6.64	2.90	4.1
HKLR	HY/2011/03	2023-02-17		Fine	IS7	10:35	-	Surface	1	2	17.81	7.89	33.85	96.60	6.68	3.10	3.7 2.3
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS7 IS7	10:35	2.3	Bottom	-	1	17.78	7.89	34.00	96.70	6.67	3.30	
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine		10:35	2.3	Bottom	3	2	17.79 17.79	7.88	33.96	96.20	6.63 6.56	3.20	2.0 2.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-17	Mid-Ebb Mid-Ebb	Fine	IS8(N) IS8(N)	11:08 11:09	1.0 1.0	Surface Surface	1	1 2	17.79	7.88 7.90	33.91	95.00 95.50		2.80 2.80	2.4
	HY/2011/03 HY/2011/03	2023-02-17	Mid-Ebb Mid-Ebb	Fine	IS8(N) IS8(N)		3.2	Bottom	3	2	17.82		33.84		6.59		3.1
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-17 2023-02-17	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N)	11:08 11:08	3.2		3	2	17.74	7.86 7.86	34.06 34.11	95.40 94.50	6.57 6.51	3.00 3.00	3.1 2.7
HKLR	HY/2011/03 HY/2011/03	2023-02-17	Mid-Ebb Mid-Ebb	-	IS8(N) IS(Mf)9	11:08	3.2	Bottom			17.73	7.86	34.11 33.83	94.50 95.60	6.51	2.90	3.6
HKLR	HY/2011/03 HY/2011/03	2023-02-17 2023-02-17	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	10:45	1.0	Surface Surface	1	1 2	17.84	7.90	33.83	95.60	6.59	2.90	3.6
TINLK	111/2011/03	2023-02-17	IVIIU-EDD	rine	13(111)3	10:45	1.0	SuildLe	T	2	17.80	7.89	33.85	95.50	0.59	2.90	3.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS(Mf)9	10:45	2.5	Bottom	3	1	17.79	7.89	34.00	95.60	6.60	3.20	2.9
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS(Mf)9	10:45	2.5	Bottom	3	2	17.75	7.87	34.02	95.40	6.58	3.20	2.5
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS10(N)	11:13	1.0	Surface	1	1	17.63	7.89	33.58	93.20	6.46	3.60	2.8
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS10(N)	11:14	1.0	Surface	1	2	17.64	7.89	33.57	93.30	6.48	3.50	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	IS10(N)	11:13	5.3	Middle	2	1	17.53	7.88	33.89	92.70	6.43	3.80	3.5 3.3
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-17 2023-02-17	Mid-Ebb Mid-Ebb	Fine	IS10(N)	11:14	5.3 9.5	Middle	2	2	17.54 17.57	7.88 7.88	33.87 33.86	92.80 92.60	6.43 6.42	3.80 3.90	3.3
HKLR	HY/2011/03 HY/2011/03	2023-02-17	Mid-Ebb	Fine Fine	IS10(N) IS10(N)	11:14 11:13	9.5	Bottom Bottom	3	1	17.57	7.88	33.86	92.60	6.42	3.90	3.8 4.2
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR3(N)	10:02	9.5	Surface	1	1	17.80	7.88	33.84	100.50	6.92	3.90	3.4
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR3(N)	10:02	1.0	Surface	1	2	17.80	7.92	33.83	99.50	6.86	3.20	3.6
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR3(N)	10:03	2.2	Bottom	3	1	17.81	7.92	33.85	99.70	6.87	3.50	4.5
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR3(N)	10:02	2.2	Bottom	3	2	17.31	7.90	33.94	100.90	6.96	3.40	4.1
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR4(N3)	11:00	1.0	Surface	1	1	17.80	7.90	33.87	95.00	6.54	2.80	2.6
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR4(N3)	11:00	1.0	Surface	1	2	17.80	7.89	33.85	94.80	6.53	2.80	2.8
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR4(N3)	11:00	2.8	Bottom	3	1	17.76	7.87	34.00	94.30	6.50	3.20	2.0
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR4(N3)	11:00	2.8	Bottom	3	2	17.80	7.87	34.03	94.80	6.53	3.30	1.7
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR5(N)	11:03	1.0	Surface	1	1	17.62	7.90	33.59	94.00	6.53	3.60	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR5(N)	11:03	1.0	Surface	1	2	17.61	7.90	33.60	93.90	6.53	3.60	2.2
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR5(N)	11:03	4.8	Middle	2	1	17.54	7.89	33.84	93.10	6.46	3.80	3.0
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR5(N)	11:02	4.8	Middle	2	2	17.54	7.89	33.85	92.80	6.44	3.90	2.7
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR5(N)	11:02	8.5	Bottom	3	1	17.53	7.89	33.93	93.10	6.46	4.10	3.6
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR5(N)	11:03	8.5	Bottom	3	2	17.53	7.89	33.92	93.20	6.47	4.00	3.2
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10A(N)	12:06	1.0	Surface	1	1	17.59	7.89	33.95	94.40	6.54	3.10	3.2
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10A(N)	12:06	1.0	Surface	1	2	17.61	7.89	33.95	93.90	6.51	3.10	2.9
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10A(N)	12:05	6.3	Middle	2	1	17.53	7.89	34.15	93.10	6.45	3.40	2.2
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10A(N)	12:06	6.3	Middle	2	2	17.53	7.89	34.13	92.10	6.37	3.40	2.5
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10A(N)	12:05	11.5	Bottom	3	1	17.54	7.89	34.15	92.90	6.44	3.50	1.8
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10A(N)	12:06	11.5	Bottom	3	2	17.54	7.89	34.13	92.40	6.40	3.50	1.6
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10B(N2)	12:16	1.0	Surface	1	1	17.61	7.88	33.98	93.10	6.45	3.30	3.6
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10B(N2)	12:15	1.0	Surface	1	2	17.60	7.88	33.97	93.40	6.46	3.20	3.1
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10B(N2)	12:16	4.7	Middle	2	1	17.55	7.88	34.07	92.40	6.40	3.50	2.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-17 2023-02-17	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	12:15 12:15	4.7 8.3	Middle	2	2	17.55 17.54	7.88 7.88	34.08 34.12	92.00 92.20	6.37 6.38	3.40 3.80	2.5 2.3
HKLR	HY/2011/03 HY/2011/03	2023-02-17	Mid-Ebb	Fine	SR10B(N2) SR10B(N2)	12:15	8.3	Bottom Bottom	3	2	17.54	7.88	34.12	92.20	6.38	3.80	2.3
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS2(A)	12:16	1.0	Surface	1	1	17.56	7.88	34.09	92.20	6.38	3.80	3.0
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS2(A)	10:10	1.0	Surface	1	2	17.52	7.90	33.65	95.40	6.65	3.20	3.5
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS2(A)	10:10	3.2	Middle	2	1	17.47	7.90	33.86	95.00	6.62	3.60	2.8
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS2(A)	10:10	3.2	Middle	2	2	17.49	7.89	33.86	94.60	6.59	3.50	2.5
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS2(A)	10:11	5.4	Bottom	3	1	17.45	7.89	33.95	94.70	6.59	3.90	2.1
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS2(A)	10:11	5.4	Bottom	3	2	17.47	7.90	33.95	95.00	6.61	3.80	2.3
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS(Mf)5	11:49	1.0	Surface	1	1	17.75	7.91	33.87	92.70	6.36	3.30	2.6
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS(Mf)5	11:50	1.0	Surface	1	2	17.79	7.91	33.86	92.90	6.32	3.10	2.2
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS(Mf)5	11:50	6.5	Middle	2	1	17.41	7.85	34.41	90.50	6.20	3.30	2.8
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS(Mf)5	11:49	6.5	Middle	2	2	17.40	7.85	34.43	91.70	6.27	3.30	3.1
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS(Mf)5	11:50	11.9	Bottom	3	1	17.44	7.86	33.63	90.60	6.16	3.60	3.6
HKLR	HY/2011/03	2023-02-17	Mid-Ebb	Fine	CS(Mf)5	11:49	11.9	Bottom	3	2	17.36	7.85	34.43	90.50	6.21	3.50	3.9
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS5	6:36	1.0	Surface	1	1	17.62	7.91	33.90	91.20	6.28	3.30	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS5	6:35	1.0	Surface	1	2	17.64	7.90	33.94	92.70	6.37	3.20	2.1
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS5	6:35	4.2	Middle	2	1	17.34	7.86	34.33	91.10	6.16	3.40	2.6
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS5	6:36	4.2	Middle	2	2	17.36	7.85	34.33	90.80	6.14	3.40	3.0
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS5	6:36	7.4	Bottom	3	1	17.32	7.84	34.43	91.00	6.10	3.70	3.3
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS5	6:35	7.4	Bottom	3	2	17.29	7.85	34.38	91.20	6.12	3.80	3.7
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS(Mf)6	6:27	1.0	Surface	1	1	17.70	7.90	33.85	93.30	6.42	3.10	3.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS(Mf)6	6:26	1.0	Surface	1	2	17.67	7.89	33.90	93.50	6.42	3.10	3.0
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS(Mf)6	6:26	2.2	Bottom	3	1	17.67	7.88	33.96	93.20	6.37	3.20	3.8
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS(Mf)6	6:26	2.2	Bottom	3	2	17.61	7.87	34.06	93.30	6.37	3.10	4.1
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS7	6:17	1.0	Surface	1	1	17.73	7.90	33.87	93.20	6.43	3.00	3.2
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS7 IS7	6:17	1.0 2.3	Surface	1	2	17.74	7.90	33.83	93.60	6.43	3.00	3.6 2.7
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	157	6:17	2.5	Bottom	3	1 1	17.67	7.89	33.95	93.10	6.37	3.20	2.1

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS7	6:17	2.3	Bottom	3	2	17.70	7.89	33.95	93.10	6.36	3.10	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS8(N)	5:36	1.0	Surface	1	1	17.69	7.90	33.82	93.60	6.46	2.90	3.5
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS8(N)	5:35	1.0	Surface	1	2	17.70	7.90	33.81	94.50	6.53	3.00	3.0
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS8(N)	5:35	3.0	Bottom	3	1	17.67	7.88	34.04	94.30	6.43	3.10	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS8(N)	5:35	3.0	Bottom	3	2	17.51	7.86	34.14	92.80	6.35	3.10	2.8
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS(Mf)9	6:07	1.0	Surface	1	1	17.72	7.91	33.80	93.30	6.44	2.90	1.9
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS(Mf)9	6:07	1.0	Surface	1	2	17.69	7.90	33.85	93.00	6.41	3.00	1.6
HKLR	HY/2011/03	2023-02-17	Mid-Flood Mid-Flood	Fine	IS(Mf)9	6:07	2.4	Bottom	3	1	17.68	7.89	33.96	92.80	6.33	3.00	2.4 2.2
HKLR	HY/2011/03 HY/2011/03	2023-02-17 2023-02-17	Mid-Flood Mid-Flood	Fine	IS(Mf)9 IS10(N)	6:07	2.4 1.0	Bottom Surface	1	2	17.50 17.52	7.87 7.90	34.03	92.20	6.29	3.00	1.6
HKLR HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine Fine	IS10(N)	5:54 5:55	1.0	Surface	1	2	17.52	7.90	33.68 33.68	95.10 94.80	6.61 6.60	3.20 3.10	2.0
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS10(N)	5:54	5.4	Middle	2	1	17.51	7.90	33.90	94.40	6.56	3.50	2.0
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS10(N)	5:55	5.4	Middle	2	2	17.51	7.90	33.90	93.70	6.52	3.50	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS10(N)	5:55	9.7	Bottom	3	1	17.52	7.90	33.90	93.80	6.51	3.80	2.7
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	IS10(N)	5:54	9.7	Bottom	3	2	17.51	7.89	33.92	95.00	6.59	3.90	2.9
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR3(N)	6:48	1.0	Surface	1	1	17.70	7.91	33.85	92.70	6.39	3.30	2.3
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR3(N)	6:48	1.0	Surface	1	2	17.68	7.90	33.92	92.60	6.38	3.30	2.6
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR3(N)	6:48	2.3	Bottom	3	1	17.65	7.89	33.98	92.40	6.31	3.40	3.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR3(N)	6:48	2.3	Bottom	3	2	17.60	7.88	34.07	91.80	6.27	3.30	3.1
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR4(N3)	5:47	1.0	Surface	1	1	17.67	7.90	33.85	93.00	6.42	2.90	2.1
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR4(N3)	5:47	1.0	Surface	1	2	17.66	7.90	33.83	93.20	6.43	3.00	2.3
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR4(N3)	5:47	3.1	Bottom	3	1	17.63	7.87	34.12	92.90	6.34	3.00	3.6
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR4(N3)	5:47	3.1	Bottom	3	2	17.59	7.87	34.13	92.70	6.33	3.00	3.3
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR5(N)	6:05	1.0	Surface	1	1	17.55	7.90	33.72	93.30	6.48	3.30	1.9
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR5(N)	6:04	1.0	Surface	1	2	17.55	7.90	33.72	93.30	6.48	3.30	1.6
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR5(N)	6:04	4.8	Middle	2	1	17.52	7.90	33.90	92.90	6.45	3.60	2.2
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR5(N)	6:04	4.8	Middle	2	2	17.52	7.90	33.89	92.50	6.41	3.70	2.6
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR5(N)	6:04	8.5	Bottom	3	1	17.52	7.89	33.93	92.90	6.44	4.00	3.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR5(N)	6:04	8.5	Bottom	3	2	17.51	7.89	33.94	93.30	6.47	3.90	3.0
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10A(N)	5:05	1.0	Surface	1	1	17.37	7.87	34.03	97.50	6.77	2.70	4.2
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10A(N)	5:05	1.0	Surface	1	2	17.59	7.89	33.85	94.70	6.57	2.80	4.0
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10A(N)	5:04	6.4	Middle	2	1	17.54	7.88	34.03	93.80	6.49	3.00	3.2
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10A(N)	5:05	6.4	Middle	2	2	17.54	7.88	34.03	92.70	6.42	3.00	3.6
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10A(N)	5:05	11.7	Bottom	3	1	17.56	7.88	34.05	92.80	6.42	3.50	2.8
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10A(N)	5:04	11.7	Bottom	3	2	17.55	7.88	34.05	93.60	6.48	3.60	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10B(N2)	4:56	1.0	Surface	1	1	17.58	7.89	33.86	97.80	6.77	2.70	4.2
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10B(N2)	4:55	1.0	Surface	1	2	17.59	7.87	33.87	97.00	6.73	2.90	3.9
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10B(N2)	4:55	4.6	Middle	2	1	17.55	7.87	34.00	96.50	6.68	3.10	2.8
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10B(N2)	4:56	4.6	Middle	2	2	17.56	7.87	33.96	94.60	6.56	2.90	3.2
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10B(N2)	4:56	8.1	Bottom	3	1	17.54	7.87	34.04	94.30	6.53	3.40	2.5
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	SR10B(N2)	4:55	8.1	Bottom	3	2	17.53	7.87	34.06	94.10	6.52	3.40	2.2
HKLR	HY/2011/03 HY/2011/03	2023-02-17	Mid-Flood	Fine	CS2(A)	6:58	1.0	Surface	1	1	17.50	7.91	33.74	94.70	6.60	3.50	1.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-17 2023-02-17	Mid-Flood Mid-Flood	Fine	CS2(A) CS2(A)	6:58	1.0 3.3	Surface Middle	1	2	17.51 17.49	7.91	33.72	94.60 94.00	6.60 6.55	3.60	1.7 2.4
HKLR	HY/2011/03 HY/2011/03	2023-02-17 2023-02-17	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	6:58 6:58	3.3	Middle	2	2	17.49	7.90 7.91	33.85 33.85	94.00	6.55	3.90 3.90	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	CS2(A) CS2(A)	6:57	5.5	Bottom	3	1	17.49	7.91	33.91	94.20	6.56	4.00	3.2
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	CS2(A) CS2(A)	6:58	5.5	Bottom	3	2	17.49	7.90	33.92	94.20	6.54	4.00	2.8
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	CS(Mf)5	4:59	1.0	Surface	1	1	17.68	7.90	33.73	94.00	6.36	2.60	2.0
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	CS(Mf)5	4:59	1.0	Surface	1	2	17.63	7.91	33.79	94.30	6.50	2.50	2.7
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	CS(Mf)5	4:59	6.4	Middle	2	1	17.29	7.89	34.36	91.50	6.15	2.80	2.3
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	CS(Mf)5	4:58	6.4	Middle	2	2	17.26	7.87	34.37	92.70	6.28	2.80	2.4
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	CS(Mf)5	4:58	11.8	Bottom	3	1	17.25	7.86	34.45	92.20	6.38	3.20	1.8
HKLR	HY/2011/03	2023-02-17	Mid-Flood	Fine	CS(Mf)5	4:59	11.8	Bottom	3	2	17.30	7.87	34.47	92.30	6.18	3.10	1.8
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS5	13:01	1.0	Surface	1	1	19.09	8.15	32.47	100.50	7.3	4.3	2.7
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS5	13:00	1.0	Surface	1	2	19.12	8.15	32.26	101.00	7.3	4.3	2.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS5	13:00	5.3	Middle	2	1	18.84	8.14	32.95	100.40	7.3	4.2	2.2
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS5	12:59	5.3	Middle	2	2	18.85	8.14	32.95	100.70	7.3	4.3	2.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS5	13:00	9.6	Bottom	3	1	18.84	8.15	32.89	100.00	7.3	4.3	1.7
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS5	12:59	9.6	Bottom	3	2	18.88	8.15	32.90	100.50	7.3	4.5	2.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS(Mf)6	12:51	1.0	Surface	1	1	19.07	8.17	32.39	101.60	7.4	4.4	2.9
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS(Mf)6	12:50	1.0	Surface	1	2	19.06	8.17	32.46	101.40	7.4	4.3	2.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS(Mf)6	12:51	4.0	Bottom	3	1	18.81	8.16	32.84	101.20	7.4	4.4	1.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS(Mf)6	12:49	4.0 1.0	Bottom	3	2	18.80	8.16	32.95	101.10	7.4	4.3	2.1 2.5
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Ebb Mid-Ebb	Sunny Sunny	IS7 IS7	12:49 12:50	1.0	Surface Surface	1	2	18.85 18.87	8.17 8.17	32.84 32.81	100.70 101.00	7.3 7.4	4.3 4.4	2.5
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS7	12:50	1.0	Bottom	3	1	19.17	8.17	32.43	101.00	7.4	4.4	2.1
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS7	13:55	1.0	Bottom	3	2	19.17	8.18	32.15	101.30	7.4	4.3	2.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS8(N)	13:54	1.0	Surface	1	1	18.92	8.17	32.95	100.80	7.3	4.4	2.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS8(N)	13:55	1.0	Surface	1	2	18.88	8.17	32.95	101.20	7.4	4.5	2.0
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS8(N)	13:54	10.4	Bottom	3	1	18.96	8.17	32.87	100.10	7.3	4.4	2.5
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS8(N)	13:55	10.4	Bottom	3	2	18.95	8.17	32.95	100.80	7.3	4.5	2.2
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS(Mf)9	14:05	1.0	Surface	1	1	19.14	8.17	32.40	100.90	7.3	4.2	1.9
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS(Mf)9	14:06	1.0	Surface	1	2	19.11	8.18	32.51	101.40	7.4	4.1	2.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Ebb Mid-Ebb	Sunny	IS(Mf)9 IS(Mf)9	14:05 14:06	3.8 3.8	Bottom	3	1 2	18.85 18.83	8.17 8.17	32.90 32.95	99.70 101.00	7.3 7.4	4.6 4.5	2.8 2.3
HKLR	HY/2011/03 HY/2011/03	2023-02-20	Mid-Ebb	Sunny Sunny	IS(IVIT)9	14:06	3.8	Bottom Surface	1	1	18.83	8.17	32.95	99.70	7.4	4.5	2.3 5.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS10(N)	14:05	1.0	Surface	1	2	18.84	8.10	32.82	100.60	7.3	4.0	3.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS10(N)	11:59	2.2	Middle	2	1	19.11	8.18	32.44	101.10	7.4	4.4	3.3
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS10(N)	11:58	2.2	Middle	2	2	19.10	8.17	32.44	101.30	7.4	4.5	2.7
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS10(N)	11:59	3.3	Bottom	3	1	18.85	8.17	32.91	100.90	7.4	4.4	3.2
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	IS10(N)	11:57	3.3	Bottom	3	2	18.84	8.17	32.92	101.30	7.4	4.5	2.1
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR3(N)	11:58	1.0	Surface	1	1	18.93	8.17	32.83	100.50	7.3	4.3	3.3
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR3(N)	11:57	1.0	Surface	1	2	18.92	8.17	32.86	100.70	7.3	4.5	1.9
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR3(N)	8:06	1.0	Bottom	3	1	18.93	8.15	32.41	101.10	7.3	4.1	4.5
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR3(N)	8:04	1.0	Bottom	3	2	18.98	8.15	32.49	101.30	7.4	4.4	3.5
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR4(N3)	8:04	1.0	Surface	1	1	18.75	8.14	32.90	101.00	7.3	4.4	3.9
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Ebb Mid-Ebb	Sunny Sunny	SR4(N3) SR4(N3)	8:05 8:05	1.0 9.5	Surface Bottom	1	2	18.73 18.76	8.14 8.15	32.91 32.93	100.80 100.40	7.3 7.3	4.4 4.3	4.2 4.5
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR4(N3)	8:03	9.5	Bottom	3	2	18.76	8.15	32.95	100.40	7.3	4.5	4.5
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR5(N)	8:15	1.0	Surface	1	1	19.00	8.16	32.34	102.00	7.4	4.5	2.8
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR5(N)	8:16	1.0	Surface	1	2	18.97	8.16	32.33	100.80	7.3	4.4	4.8
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR5(N)	8:16	4.0	Middle	2	1	18.72	8.15	32.82	100.70	7.3	4.4	2.5
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR5(N)	8:14	4.0	Middle	2	2	18.72	8.15	32.84	100.90	7.3	4.5	3.7
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR5(N)	8:14	7.0	Bottom	3	1	18.78	8.15	32.88	100.50	7.3	4.5	2.3
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR5(N)	8:15	7.0	Bottom	3	2	18.79	8.15	32.82	100.30	7.3	4.6	2.0
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10A(N)	7:15	1.0	Surface	1	1	18.92	8.14	32.43	101.30	7.4	4.4	2.4
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10A(N)	7:14	1.0	Surface	1	2	18.89	8.13	32.52	101.20	7.3	4.4	2.2
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10A(N)	7:14	6.0	Middle	2	1	18.66	8.13	32.95	100.40	7.3	4.6	2.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Ebb Mid-Ebb	Sunny	SR10A(N) SR10A(N)	7:14 7:14	6.0 11.0	Middle	2	2	18.66 18.70	8.13 8.13	32.94 32.89	100.90 100.90	7.3 7.3	4.5 4.5	2.4 3.1
HKLR	HY/2011/03 HY/2011/03	2023-02-20	Mid-Ebb	Sunny Sunny	SR10A(N) SR10A(N)	7:14	11.0	Bottom Bottom	3	2	18.70	8.13	32.89	99.80	7.3	4.5	3.1
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10A(N) SR10B(N2)	7:04	11.0	Surface	1	1	18.95	8.15	32.92	101.30	7.4	4.0	2.0
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10B(N2)	7:04	1.0	Surface	1	2	18.93	8.15	32.39	101.30	7.4	4.4	3.0
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10B(N2)	7:02	3.8	Middle	2	1	18.70	8.14	32.93	100.90	7.3	4.2	2.7
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10B(N2)	7:03	3.8	Middle	2	2	18.70	8.15	32.93	100.50	7.3	4.2	2.7
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10B(N2)	7:03	6.6	Bottom	3	1	18.69	8.15	32.84	100.40	7.3	4.5	1.9
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	SR10B(N2)	7:02	6.6	Bottom	3	2	18.69	8.14	32.86	100.80	7.3	4.2	1.9
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS2(A)	9:03	1.0	Surface	1	1	18.90	8.15	32.43	100.90	7.3	4.1	2.1
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS2(A)	9:01	1.0	Surface	1	2	19.03	8.15	32.35	100.40	7.3	4.2	2.1
HKLR	HY/2011/03 HY/2011/03	2023-02-20	Mid-Ebb Mid Ebb	Sunny	CS2(A)	9:02	3.1	Middle	2	1 2	18.66	8.14	32.80	100.60	7.3	4.2	3.3 2.4
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Ebb Mid-Ebb	Sunny Sunny	CS2(A) CS2(A)	9:00 9:01	3.1 5.2	Middle Bottom	3	1	18.66 18.70	8.14 8.14	32.78 32.82	100.10 99.90	7.3 7.3	4.2	3.4
HKLR	HY/2011/03 HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS2(A) CS2(A)	9:01	5.2	Bottom	3	2	18.70	8.14	32.82	99.90 99.80	7.3	4.3	2.8
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS(Mf)5	12:22	1.0	Surface	1	1	19.05	8.14	32.30	103.30	7.1	3.9	3.6
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS(Mf)5	12:22	1.0	Surface	1	2	19.05	8.16	32.35	103.90	7.2	3.9	2.7
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS(Mf)5	12:23	4.2	Middle	2	1	18.84	8.15	32.86	103.60	7.1	4.1	3.1
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS(Mf)5	12:22	4.2	Middle	2	2	18.83	8.15	32.81	102.60	7.1	3.9	2.8
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS(Mf)5	12:22	7.3	Bottom	3	1	18.85	8.15	32.83	102.50	7.1	3.9	2.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-20	Mid-Ebb	Sunny	CS(Mf)5	12:22	7.3	Bottom	3	2	18.86	8.15	32.85	103.60	7.2	3.9	2.1
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS5	12:32	1.0	Surface	1	1	19.03	8.20	32.45	104.30	7.2	4.2	2.9
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS5	12:32	1.0	Surface	1	2	19.03	8.20	32.46	104.50	7.2	4.1	2.9
HKLR	HY/2011/03 HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS5 IS5	12:32	1.0 1.0	Middle Middle	2	1 2	18.93	8.19	32.72	104.40	7.2	4.1	2.6 2.8
HKLR HKLR	HY/2011/03	2023-02-20 2023-02-20	Mid-Flood Mid-Flood	Sunny Sunny	ISS	12:32 12:42	1.0	Bottom	3	1	18.89 19.08	8.19 8.20	32.66 32.34	104.50 104.40	7.2	4.2 3.9	4.0
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS5	12:42	1.0	Bottom	3	2	19.08	8.19	32.34	104.40	7.2	3.9	3.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS(Mf)6	12:41	1.0	Surface	1	1	19.08	8.18	32.49	104.50	7.2	3.8	3.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS(Mf)6	12:42	1.0	Surface	1	2	19.05	8.19	32.53	104.60	7.2	3.8	2.3
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS(Mf)6	13:13	1.1	Bottom	3	1	19.11	8.19	32.35	104.50	7.2	4.2	1.3
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS(Mf)6	13:13	1.1	Bottom	3	2	19.04	8.19	32.30	104.70	7.2	4.1	2.3
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS7	13:13	1.0	Surface	1	1	18.94	8.19	32.51	104.40	7.2	4.2	2.0
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS7	13:13	1.0	Surface	1	2	18.93	8.19	32.42	104.50	7.2	4.2	2.3
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS7	12:51	1.0	Bottom	3	1	19.10	8.19	32.30	103.30	7.1	4.2	1.7
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS7	12:51	1.0	Bottom	3	2	19.11	8.19	32.29	103.60	7.1	4.2	1.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Flood Mid-Flood	Sunny	IS8(N) IS8(N)	12:51 12:51	1.0 1.0	Surface Surface	1	1 2	19.03 19.06	8.18 8.19	32.53 32.50	103.20 102.90	7.1	4.2	4.0 4.5
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny Sunny	IS8(N)	12:51	1.0	Bottom	3	1	19.06	8.19	32.50	102.90	7.1	3.8	2.8
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS8(N)	12:11	1.0	Bottom	3	2	19.11	8.10	32.21	102.30	7.0	3.8	3.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS(Mf)9	12:11	1.0	Surface	1	1	19.04	8.15	32.36	102.20	7.0	3.9	2.8
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS(Mf)9	12:11	1.0	Surface	1	2	19.06	8.15	32.45	102.10	7.0	3.9	2.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS(Mf)9	13:03	1.0	Bottom	3	1	19.07	8.19	32.38	103.70	7.1	3.9	2.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS(Mf)9	13:03	1.0	Bottom	3	2	19.08	8.19	32.42	103.90	7.1	3.9	3.5
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS10(N)	13:03	1.0	Surface	1	1	19.05	8.19	32.66	103.70	7.1	3.9	2.6
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS10(N)	13:03	1.0	Surface	1	2	19.02	8.19	32.65	103.60	7.1	3.9	2.8
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS10(N)	13:52	3.4	Middle	2	1	19.10	8.20	32.43	102.00	7.0	3.7	4.6
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS10(N)	13:51	3.4	Middle	2	2	19.03	8.19	32.30	101.80	7.0	3.9	4.3
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS10(N)	13:51	5.8	Bottom	3	1	18.81	8.19	32.90	101.70	7.0	3.8	2.1
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	IS10(N)	13:51	5.8	Bottom	3	2	18.82	8.19	32.91	101.40	7.0	3.9	3.0
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR3(N)	13:51	1.0	Surface	1	1	18.85	8.19	32.89	101.00	7.0	3.9	3.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Flood Mid-Flood	Sunny Sunny	SR3(N) SR3(N)	13:51 8:40	1.0 1.0	Surface Bottom	1	2	18.83 19.04	8.19 8.15	32.84 32.34	101.40 103.00	7.0	3.8 3.8	2.5 2.5
HKLR	HY/2011/03 HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR3(N) SR3(N)	8:40	1.0	Bottom	3	2	19.04	8.15	32.34	103.00	7.1	3.8	2.5
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR4(N3)	8:39	1.0	Surface	1	1	18.84	8.14	32.20	101.40	6.9	3.9	2.0
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR4(N3)	8:40	1.0	Surface	1	2	18.84	8.14	32.80	101.20	7.0	3.9	3.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR4(N3)	8:39	7.5	Bottom	3	1	18.85	8.14	32.84	100.40	6.9	3.9	1.1
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR4(N3)	8:39	7.5	Bottom	3	2	18.86	8.14	32.84	101.20	6.9	3.9	1.8
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR5(N)	8:28	1.0	Surface	1	1	19.10	8.18	32.28	101.40	6.9	3.8	1.9
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR5(N)	8:27	1.0	Surface	1	2	19.10	8.18	32.25	101.20	6.9	3.8	2.4
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR5(N)	8:27	1.0	Middle	2	1	18.98	8.17	32.51	101.10	6.9	3.8	2.5
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR5(N)	8:28	1.0	Middle	2	2	19.02	8.17	32.56	101.40	6.9	3.8	1.9
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR5(N)	8:18	1.0	Bottom	3	1	19.11	8.19	32.25	100.80	6.9	4.2	2.1
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR5(N)	8:18	1.0	Bottom	3	2	19.13	8.19	32.24	100.80	6.9	4.1	2.1
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10A(N)	8:18	1.0	Surface	1	1	19.00	8.18	32.52	100.40	6.9	4.2	2.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20	Mid-Flood Mid-Flood	Sunny Sunny	SR10A(N) SR10A(N)	8:17 7:47	1.0 2	Surface Middle	1	2	19.00 19.12	8.18 8.17	32.57 32.23	100.70 101.20	6.9 6.9	4.2 3.9	3.0 2.6
HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Flood	Sunny	SR10A(N) SR10A(N)	7:47	2	Middle	2	2	19.12	8.17	32.23	101.20	6.9	3.9	2.6
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10A(N) SR10A(N)	7:48	3	Bottom	3	1	19.11	8.17	32.24	101.40	6.9	3.9	2.0
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10A(N)	7:47	3	Bottom	3	2	19.05	8.17	32.43	101.00	6.9	3.9	3.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10B(N2)	8:07	1.0	Surface	1	1	19.09	8.15	32.21	101.00	6.9	3.9	2.5
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10B(N2)	8:07	1.0	Surface	1	2	19.07	8.15	32.23	101.30	6.9	3.9	2.6
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10B(N2)	8:07	1	Middle	2	1	19.02	8.14	32.56	101.00	6.9	3.9	1.9
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10B(N2)	8:07	1	Middle	2	2	18.98	8.14	32.55	101.20	6.9	3.9	2.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10B(N2)	8:50	1.0	Bottom	3	1	19.11	8.13	32.28	102.30	7.1	4.2	3.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	SR10B(N2)	8:50	1.0	Bottom	3	2	19.12	8.13	32.25	102.30	7.1	4.2	3.8
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	CS2(A)	8:49	1.0	Surface	1	1	19.08	8.12	32.54	101.90	7.0	4.2	3.2
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	CS2(A)	8:50	1.0	Surface	1	2	19.09	8.13	32.53	102.90	7.1	4.1	3.0
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	CS2(A)	7:58	1.9	Middle	2	1	19.02	8.13	32.26	102.20	7.0	4.1	2.0
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	CS2(A)	7:58	1.9	Middle	2	2	19.07	8.15	32.34	102.40	7.0	4.2	3.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	CS2(A)	7:58	2.8	Bottom	3	1	18.95	8.12	32.55	102.00	7.0	4.1	1.8
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	CS2(A)	7:58	2.8	Bottom	3	2	18.99	8.15	32.59	102.30	7.0	4.2	1.9
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	CS(Mf)5	7:07	1.0	Surface	1	1	19.07	8.19	32.20	99.60	6.8	4.4	3.4
HKLR	HY/2011/03 HY/2011/03	2023-02-20	Mid-Flood Mid-Flood	Sunny	CS(Mf)5 CS(Mf)5	7:06	1.0 6	Surface	1 2	2	19.11 18.83	8.16	32.25	101.20	6.9	4.3 4.3	4.3 3.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-20 2023-02-20	Mid-Flood Mid-Flood	Sunny	CS(Mf)5	7:06	6	Middle Middle	2	1 2	18.83	8.14 8.17	32.87 32.90	100.70 99.40	6.8 6.8	4.3	2.3
HKLR	HY/2011/03	2023-02-20	Mid-Flood Mid-Flood	Sunny Sunny	CS(Mf)5	7:07	11	Bottom	3	1	18.84	8.17	32.90	99.40	6.7	4.4	5.1
HKLR	HY/2011/03	2023-02-20	Mid-Flood	Sunny	CS(Mf)5	7:06	11	Bottom	3	2	18.82	8.13	32.86	99.40	6.8	4.3	5.3
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS5	14:21	1.0	Surface	1	1	19.12	8.14	32.15	99.50	7.4	3.9	4.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS5	14:20	1.0	Surface	1	2	19.15	8.13	32.20	99.90	7.4	3.9	4.4
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS5	14:20	5.3	Middle	2	1	18.86	8.13	32.64	99.80	7.4	3.9	3.9
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS5	14:21	5.3	Middle	2	2	18.84	8.13	32.64	99.40	7.4	3.9	3.5
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS5	14:21	9.6	Bottom	3	1	18.85	8.13	32.53	99.00	7.3	3.8	3.3
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS5	14:20	9.6	Bottom	3	2	18.92	8.13	32.55	99.10	7.3	3.9	3.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS(Mf)6	14:12	1.0	Surface	1	1	19.12	8.13	32.16	101.00	7.5	3.5	3.9
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS(Mf)6	14:11	1.0	Surface	1	2	19.11	8.13	32.16	100.80	7.4	3.6	3.6
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS(Mf)6	14:10	4.0	Bottom	3	1	18.85	8.12	32.64	100.50	7.4	3.6	3.1
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS(Mf)6	14:11	4.0	Bottom	3	2	18.86	8.12	32.63	100.60	7.4	3.5	3.3
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS7	14:11	1.0	Surface	1	1	18.92	8.13	32.55	100.40	7.4	3.5	3.7
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS7	14:10	1.0	Surface	1	2	18.90	8.13	32.58	100.10	7.4	3.6	4.0 4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-22	Mid-Ebb Mid-Ebb	Sunny	IS7 IS7	15:04 15:03	1.0 1.0	Bottom Bottom	3	1 2	19.12 19.11	8.14	32.09 32.08	100.00 100.30	7.4	3.8 3.8	4.2
HKLR	HY/2011/03	2023-02-22 2023-02-22	Mid-Ebb	Sunny Sunny	IS8(N)	15:03	1.0	Surface	1	1	19.11	8.14 8.13	32.08	100.30	7.4	3.8	5.6
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS8(N)	15:04	1.0	Surface	1	2	18.86	8.13	32.55	99.70	7.4	3.8	5.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS8(N)	15:04	11.0	Bottom	3	1	18.94	8.13	32.55	99.50	7.4	4.1	4.5
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS8(N)	15:02	11.2	Bottom	3	2	18.93	8.13	32.50	99.80	7.4	4.0	4.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS(Mf)9	15:15	1.0	Surface	1	1	19.18	8.13	32.15	99.90	7.4	3.4	2.5
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS(Mf)9	15:14	1.0	Surface	1	2	19.18	8.13	32.12	100.40	7.4	3.5	2.8
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS(Mf)9	15:13	4.1	Bottom	3	1	18.93	8.13	32.64	100.00	7.4	3.4	4.0
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS(Mf)9	15:14	4.1	Bottom	3	2	18.89	8.13	32.64	98.70	7.3	3.4	4.3
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS10(N)	15:14	1.0	Surface	1	1	18.96	8.12	32.64	98.70	7.3	3.6	4.5
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS10(N)	15:13	1.0	Surface	1	2	18.97	8.13	32.56	99.60	7.4	3.4	4.9
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS10(N)	13:16	2.1	Middle	2	1	19.14	8.13	32.08	100.30	7.4	3.9	3.7
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS10(N)	13:18	2.1	Middle	2	2	19.11	8.13	32.11	99.80	7.4	3.8	4.1
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	IS10(N)	13:17	3.2	Bottom	3	1	18.86	8.12	32.62	99.50	7.4	3.8	3.3
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-22 2023-02-22	Mid-Ebb Mid-Ebb	Sunny	IS10(N)	13:16	3.2 1.0	Bottom	3	2	18.86 18.92	8.12 8.13	32.62 32.55	100.00 99.30	7.4	3.9 3.9	3.0 2.7
HKLR	HY/2011/03 HY/2011/03	2023-02-22	Mid-Ebb	Sunny Sunny	SR3(N) SR3(N)	13:16 13:17	1.0	Surface Surface	1	1 2	18.92	8.13	32.55	99.30	7.4	3.9	3.0
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR3(N)	8:41	1.0	Bottom	3	1	18.93	8.13	32.55	100.40	7.4	4.1	3.7
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR3(N)	8:40	1.0	Bottom	3	2	19.12	8.13	32.10	100.40	7.4	4.1	3.5
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR4(N3)	8:40	1.0	Surface	1	1	18.87	8.12	32.60	99.60	7.4	4.1	2.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR4(N3)	8:40	1.0	Surface	1	2	18.87	8.12	32.59	100.00	7.4	4.2	2.6
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR4(N3)	8:40	9.8	Bottom	3	1	18.86	8.12	32.62	99.50	7.4	4.3	3.7
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR4(N3)	8:39	9.8	Bottom	3	2	18.86	8.12	32.63	99.90	7.4	4.2	3.5
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR5(N)	8:52	1.0	Surface	1	1	19.10	8.13	32.15	99.90	7.4	3.9	2.5
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR5(N)	8:50	1.0	Surface	1	2	19.15	8.13	32.07	101.10	7.5	3.9	2.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR5(N)	8:51	4.2	Middle	2	1	18.90	8.12	32.52	99.80	7.4	3.9	2.8
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR5(N)	8:50	4.2	Middle	2	2	18.92	8.12	32.50	100.00	7.4	3.9	3.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR5(N)	8:51	7.4	Bottom	3	1	18.93	8.12	32.54	99.40	7.4	3.8	4.4
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR5(N)	8:50	7.4	Bottom	3	2	18.94	8.12	32.52	99.60	7.4	3.9	3.9
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR10A(N)	7:48	1.0	Surface	1	1	19.09	8.12	32.16	100.40	7.4	3.9	2.4
HKLR	HY/2011/03	2023-02-22	Mid-Ebb Mid-Ebb	Sunny	SR10A(N)	7:47	1.0	Surface	1	2	19.22	8.12	31.95	100.40	7.4	3.9	2.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-22 2023-02-22	Mid-Ebb Mid-Ebb	Sunny	SR10A(N) SR10A(N)	7:48 7:47	6.0 6.0	Middle Middle	2	1 2	18.85 18.85	8.12 8.11	32.64 32.64	100.00	7.4	3.9 3.9	2.6 2.9
HKLR	HY/2011/03 HY/2011/03	2023-02-22	Mid-Ebb Mid-Ebb	Sunny Sunny	SR10A(N) SR10A(N)	7:47	6.0	Bottom	3	2	18.85	8.11	32.64	100.10	7.4	3.9	2.9
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR10A(N) SR10A(N)	7:48	11.0	Bottom	3	2	18.89	8.12	32.58	99.80	7.4	3.0	3.0
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR10A(N) SR10B(N2)	7:37	11.0	Surface	1	1	18.89	8.11	32.59	100.30	7.4	3.9	2.4
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR10B(N2)	7:36	1.0	Surface	1	2	19.08	8.10	32.21	100.30	7.4	4.1	2.9
	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR10B(N2)	7:37	4.0	Middle	2	1	18.85	8.10	32.63	99.50	7.4	3.9	3.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	D O , %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR10B(N2)	7:36	4.0	Middle	2	2	18.85	8.10	32.64	99.90	7.4	4.1	3.6
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR10B(N2)	7:35	7.0	Bottom	3	1	18.87	8.10	32.61	99.50	7.4	4.1	4.4
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	SR10B(N2)	7:36	7.0	Bottom	3	2	18.89	8.10	32.58	98.90	7.3	4.1	4.0
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS2(A)	9:45	1.0	Surface	1	1	19.17	8.13	32.05	100.70	7.4	4.2	3.0
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS2(A)	9:46	1.0	Surface	1	2	19.14	8.13	32.09	100.50	7.4	4.1	2.7
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS2(A)	9:44	3.2	Middle	2	1	18.90	8.12	32.54	100.70	7.4	4.3	3.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS2(A)	9:46	3.2	Middle	2	2	18.89	8.12	32.56	100.30	7.4	4.1	3.6
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS2(A)	9:45	5.4	Bottom	3	1	18.89	8.13	32.60	99.90	7.4	4.3	4.1 3.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-22 2023-02-22	Mid-Ebb Mid-Ebb	Sunny	CS2(A) CS(Mf)5	9:44 13:28	5.4 1.0	Bottom Surface	1	2	18.93 18.97	8.13 8.13	32.54 32.47	100.10 107.50	7.4 7.5	4.3 4.2	5.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny Sunny	CS(Mf)5	13:28	1.0	Surface	1	2	18.97	8.13	32.47	107.50	7.5	4.2	4.8
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS(Mf)5	13:27	4.0	Middle	2	1	18.76	8.13	33.02	108.10	7.5	4.2	3.9
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS(Mf)5	13:27	4.0	Middle	2	2	18.75	8.12	32.97	107.80	7.5	4.2	4.2
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS(Mf)5	13:27	7.0	Bottom	3	1	18.75	8.12	33.01	100.80	7.5	4.1	2.7
HKLR	HY/2011/03	2023-02-22	Mid-Ebb	Sunny	CS(Mf)5	13:27	7.0	Bottom	3	2	18.77	8.12	32.99	107.30	7.5	4.2	3.0
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS5	13:37	1.0	Surface	1	1	19.02	8.15	32.46	108.80	7.6	4.2	3.1
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS5	13:37	1.0	Surface	1	2	19.00	8.15	32.45	108.60	7.6	4.3	2.9
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS5	13:37	1.0	Middle	2	1	19.00	8.14	32.69	108.00	7.6	4.3	3.4
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS5	13:37	1.0	Middle	2	2	18.97	8.14	32.66	108.80	7.6	4.3	3.7
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS5	13:49	1.0	Bottom	3	1	19.03	8.15	32.50	103.80	7.5	4.4	4.6
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS5	13:48	1.0	Bottom	3	2	19.02	8.14	32.50	107.50	7.5	4.3	4.2
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS(Mf)6	13:48	1.0	Surface	1	1	18.95	8.13	32.65	107.40	7.5	4.3	2.7
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS(Mf)6	13:48	1.0	Surface	1	2	18.98	8.14	32.69	107.10	7.5	4.3	3.0
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS(Mf)6	14:20	1.0	Bottom	3	1	18.95	8.14	32.61	108.50	7.6	4.3	3.6
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS(Mf)6	14:20	1.0	Bottom	3	2	18.95	8.14	32.62	108.70	7.6	4.1	3.5
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS7	14:20	1.0	Surface	1	1	18.81	8.14	32.82	108.70	7.6	4.2	3.3
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS7	14:20	1.0	Surface	1	2	18.85	8.14	32.88	108.60	7.6	4.1	3.0
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS7	13:58	1.1	Bottom	3	1	18.99	8.14	32.51	107.70	7.5	4.4	4.5
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS7	13:58	1.1	Bottom	3	2	19.00	8.14	32.46	107.90	7.5	4.4	4.2
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS8(N)	13:58	1.0	Surface	1	1	18.94	8.14	32.67	107.60	7.5	4.4	5.6
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS8(N)	13:58	1.0	Surface	1	2	18.97	8.13	32.58	107.70	7.5	4.5	5.1
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS8(N)	13:16	1.1	Bottom	3	1	19.03	8.13	32.44	106.40	7.4	4.4	4.0
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS8(N)	13:16	1.1	Bottom	3	2	19.03	8.13	32.41	106.70	7.4	4.4	3.7
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS(Mf)9	13:16	1.0	Surface	1	1	18.96	8.12	32.69	106.00	7.4	4.5	4.0
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS(Mf)9	13:16	1.0	Surface	1	2	18.98	8.12	32.70	106.30	7.4	4.5	4.3
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS(Mf)9	14:10	1.1	Bottom	3	1	18.96	8.14	32.58	108.70	7.6	4.3	4.9
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS(Mf)9	14:10	1.1	Bottom	3	2	19.03	8.14	32.54	108.50	7.6	4.3	5.3
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS10(N)	14:10	1.0	Surface	1	1	18.85	8.14	32.82	108.50	7.6	4.3	4.2
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS10(N)	14:10	1.0	Surface	1	2	18.86	8.14	32.81	108.40	7.6	4.4	4.8
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS10(N)	15:01	3.5	Middle	2	1	19.02	8.14	32.59	106.00	7.4	4.4	3.6
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS10(N)	15:02	3.5	Middle	2	2	18.95	8.15	32.46	105.80	7.4	4.2	3.3
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS10(N)	15:01	6.0	Bottom	3	1	18.73	8.14	33.06	105.70	7.4	4.2	3.0
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	IS10(N)	15:01	6.0	Bottom	3	2	18.74	8.14	33.07	105.40	7.3	4.3	2.6
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR3(N)	15:01	1.0	Surface	1	1	18.75	8.14	33.00	105.40	7.3	4.4	4.1
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR3(N)	15:00	1.0	Surface	1	2	18.77	8.14	33.05	105.00	7.3	4.3	3.8
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR3(N)	9:37	1.1	Bottom	3	1	18.96	8.11	32.50	104.60	7.3	4.3	3.5
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR3(N)	9:38	1.1	Bottom	3	2	19.04	8.12	32.36	106.20	7.4	4.1	3.1
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR4(N3)	9:38	1.0	Surface	1	1	18.76	8.11	32.95	105.70	7.4	4.2	3.2
HKLR	HY/2011/03 HY/2011/03	2023-02-22	Mid-Flood Mid-Flood	Sunny	SR4(N3)	9:37	1.0 7.2	Surface Bottom	1	2	18.76	8.11	32.96	104.40	7.3	4.3	2.8 4.3
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-22	Mid-Flood Mid-Flood	Sunny	SR4(N3) SR4(N3)	9:37	7.2		3	2	18.78 18.77	8.11	33.00	103.60	7.2	4.3	4.3
		2023-02-22		Sunny	. ,	9:37		Bottom			-	8.11	33.00	104.40	-	4.2	4.1 3.7
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR5(N)	9:26	1.0	Surface	1	1	19.02	8.17	32.40	104.00	7.2	4.1	3.7 4.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-22	Mid-Flood Mid-Flood	Sunny	SR5(N)	9:25 9:25	1.0	Surface	2	2	19.02	8.17	32.39 32.59	104.00	7.2	4.2	-
	HY/2011/03 HY/2011/03	2023-02-22	Mid-Flood Mid-Flood	Sunny	SR5(N)		1.1 1.1	Middle Middle	2	1 2	18.90	8.16		103.90			3.3 3.5
HKLR		2023-02-22		Sunny	SR5(N)	9:26				2	18.94	8.16	32.65	103.60	7.2	4.4	
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR5(N)	9:16	1.1 1.1	Bottom	3	2	19.04 19.03	8.18	32.41	104.40	7.3	4.6 4.6	3.0 2.7
HKLR		2023-02-22	Mid-Flood Mid-Flood	Sunny	SR5(N)	9:16 9:15	1.1	Bottom	-		19.03	8.18 8.17	32.40 32.73	104.60 104.30	7.3	4.6	3.2
HKLR	HY/2011/03 HY/2011/03	2023-02-22	Mid-Flood Mid-Flood	Sunny	SR10A(N)		1.0	Surface Surface	1	1 2							3.2
HKLK	n1/2011/03	2023-02-22	WIU-FI000	Sunny	SR10A(N)	9:16	1.0	Surrace	Т	2	18.97	8.17	32.68	104.60	7.3	4.5	3.4

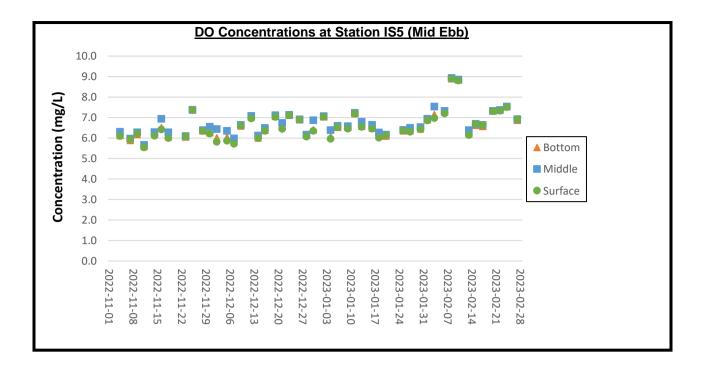
	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR10A(N)	8:44	2	Middle	2	1	18.99	8.15	32.50	105.80	7.4	4.2	3.0
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR10A(N)	8:45	2	Middle	2	2	18.94	8.15	32.42	105.60	7.4	4.1	2.6
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR10A(N)	8:44	2.9	Bottom	3	1	18.87	8.15	32.71	105.40	7.4	4.3	2.3
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR10A(N)	8:44	2.9 1.0	Bottom	3	2	18.91	8.14	32.75	105.70	7.4	4.2	2.1 2.4
	HY/2011/03 HY/2011/03	2023-02-22 2023-02-22	Mid-Flood Mid-Flood	Sunny	SR10B(N2) SR10B(N2)	9:05 9:05	1.0	Surface Surface	1	2	19.03 19.05	8.14 8.14	32.41 32.44	104.60 104.80	7.3 7.3	4.3 4.4	2.4
	HY/2011/03	2023-02-22	Mid-Flood	Sunny Sunny	SR10B(N2)	9:05	1.0	Middle	2	1	19.05	8.14	32.44	104.80	7.3	4.4	3.3
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR10B(N2)	9:05	1	Middle	2	2	18.92	8.13	32.72	104.70	7.3	4.4	3.6
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR10B(N2)	9:47	1.0	Bottom	3	1	19.04	8.10	32.37	106.50	7.5	4.3	4.2
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	SR10B(N2)	9:47	1.0	Bottom	3	2	19.03	8.10	32.44	106.50	7.5	4.3	4.6
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS2(A)	9:47	1.0	Surface	1	1	19.00	8.09	32.61	107.10	7.5	4.5	3.2
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS2(A)	9:47	1.0	Surface	1	2	19.01	8.10	32.52	106.10	7.4	4.4	2.8
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS2(A)	8:55	1.9	Middle	2	1	19.01	8.11	32.37	104.40	7.3	4.4	3.4
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS2(A)	8:55	1.9	Middle	2	2	18.99	8.13	32.39	104.50	7.3	4.5	3.6
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS2(A)	8:55	2.7	Bottom	3	1	18.94	8.10	32.72	104.20	7.2	4.4	4.4
	HY/2011/03 HY/2011/03	2023-02-22 2023-02-22	Mid-Flood Mid-Flood	Sunny	CS2(A) CS(Mf)5	8:55 8:01	2.7 1.0	Bottom Surface	3	2	18.90 18.99	8.13 8.14	32.71 32.41	104.40 103.00	7.3 7.1	4.5 4.5	4.0 4.9
	HY/2011/03	2023-02-22	Mid-Flood Mid-Flood	Sunny Sunny	CS(Mf)5	8:01	1.0	Surface	1	2	18.99	8.14	32.41	103.00	7.1	4.5	4.9 5.3
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS(Mf)5	8:02	6	Middle	2	1	18.76	8.17	33.03	104.00	7.1	4.5	4.6
	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS(Mf)5	8:02	6	Middle	2	2	18.75	8.15	33.06	102.00	7.2	4.5	4.2
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS(Mf)5	8:00	10.9	Bottom	3	1	18.76	8.11	33.02	102.00	7.1	4.5	3.6
HKLR	HY/2011/03	2023-02-22	Mid-Flood	Sunny	CS(Mf)5	8:01	10.9	Bottom	3	2	18.74	8.14	33.08	102.80	7.1	4.6	3.8
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS5	15:34	1.0	Surface	1	1	19.19	8.17	32.31	100.80	7.5	4.2	3.1
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS5	15:34	1.0	Surface	1	2	19.19	8.16	32.30	101.10	7.6	4.2	3.4
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS5	15:34	5.4	Middle	2	1	18.90	8.16	32.81	100.50	7.5	4.2	3.7
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS5	15:33	5.4	Middle	2	2	18.94	8.16	32.75	101.00	7.6	4.2	3.5
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS5	15:33	9.7	Bottom	3	1	18.98	8.16	32.72	100.60	7.5	4.2	3.8
	HY/2011/03 HY/2011/03	2023-02-24 2023-02-24	Mid-Ebb Mid-Ebb	Sunny Sunny	IS5 IS(Mf)6	15:34 15:23	9.7 1.0	Bottom Surface	3	2	18.97 19.13	8.16 8.17	32.73 32.31	100.30 100.30	7.5 7.5	4.3 4.1	4.1 2.8
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS(Mf)6	15:22	1.0	Surface	1	2	19.13	8.17	32.31	100.30	7.5	4.1	2.0
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS(Mf)6	15:22	4.1	Bottom	3	1	18.87	8.16	32.78	100.70	7.5	4.3	3.5
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS(Mf)6	15:22	4.1	Bottom	3	2	18.86	8.16	32.76	100.60	7.5	4.3	3.2
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS7	15:22	1.0	Surface	1	1	18.95	8.17	32.82	99.80	7.5	4.3	4.0
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS7	15:22	1.0	Surface	1	2	18.94	8.17	32.76	99.90	7.5	4.3	4.4
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS7	16:20	1.0	Bottom	3	1	19.13	8.17	32.34	101.20	7.6	4.3	4.8
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS7	16:21	1.0	Bottom	3	2	19.14	8.17	32.37	100.70	7.5	4.2	5.1
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS8(N)	16:20	1.0	Surface	1	1	18.88	8.16	32.86	99.50	7.5	4.4	5.8
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS8(N)	16:20	1.0	Surface	1	2	18.87	8.16	32.86	100.80	7.5	4.4	5.2
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS8(N)	16:20	10.7	Bottom	3	1	18.92	8.16	32.78	100.40	7.5	4.5	4.2
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS8(N)	16:20	10.7 1.0	Bottom	3	2	18.94	8.16	32.86	99.50 100.60	7.5	4.4	4.5
	HY/2011/03 HY/2011/03	2023-02-24 2023-02-24	Mid-Ebb Mid-Ebb	Sunny Sunny	IS(Mf)9 IS(Mf)9	16:31 16:30	1.0	Surface Surface	1	2	19.13 19.16	8.16 8.16	32.37 32.42	100.60	7.5 7.6	4.1	4.9 4.4
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS(Mf)9	16:30	4.0	Bottom	3	1	19.16	8.16	32.42	101.10	7.5	4.1	3.7
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS(Mf)9	16:30	4.0	Bottom	3	2	18.87	8.16	32.86	100.30	7.5	4.2	3.3
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS10(N)	16:31	1.0	Surface	1	1	18.86	8.15	32.75	100.00	7.5	4.2	2.8
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS10(N)	16:30	1.0	Surface	1	2	18.93	8.16	32.77	100.10	7.5	4.3	3.2
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS10(N)	14:32	2.1	Middle	2	1	19.07	8.17	32.38	101.80	7.6	4.1	3.7
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS10(N)	14:31	2.1	Middle	2	2	19.10	8.17	32.38	101.60	7.6	4.1	4.0
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS10(N)	14:31	3.2	Bottom	3	1	18.82	8.16	32.86	101.30	7.6	4.1	4.3
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	IS10(N)	14:31	3.2	Bottom	3	2	18.82	8.16	32.85	101.40	7.6	4.1	4.8
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR3(N)	14:31	1.0	Surface	1	1	18.88	8.17	32.80	100.90	7.5	4.1	5.0
	HY/2011/03 HY/2011/03	2023-02-24 2023-02-24	Mid-Ebb Mid-Ebb	Sunny	SR3(N)	14:31 9:22	1.0 1.0	Surface	1 3	2	18.89 19.04	8.17	32.77 32.37	101.20 100.70	7.6 7.5	4.2	4.7 3.6
	HY/2011/03 HY/2011/03	2023-02-24	Mid-Ebb Mid-Ebb	Sunny Sunny	SR3(N) SR3(N)	9:22	1.0	Bottom Bottom	3	1	19.04	8.15 8.15	32.37	100.70	7.5	4.2	3.6
	HY/2011/03 HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR3(N) SR4(N3)	9:21	1.0	Surface	1	1	19.01	8.15	32.29	101.90	7.5	4.3	4.3
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR4(N3)	9:21	1.0	Surface	1	2	18.78	8.14	32.72	100.60	7.5	4.3	4.0
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR4(N3)	9:21	9.8	Bottom	3	1	18.82	8.14	32.74	100.20	7.5	4.3	3.0
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR4(N3)	9:21	9.8	Bottom	3	2	18.80	8.14	32.74	100.40	7.5	4.3	2.7
	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR5(N)	9:31	1.0	Surface	1	1	19.11	8.15	32.40	101.50	7.6	4.4	2.1

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR5(N)	9:32	1.0	Surface	1	2	19.06	8.15	32.32	101.30	7.6	4.4	2.5
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR5(N)	9:32	4.3	Middle	2	1	18.86	8.14	32.82	101.10	7.6	4.4	3.4
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR5(N)	9:31	4.3	Middle	2	2	18.88	8.14	32.81	101.50	7.6	4.4	3.1
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR5(N)	9:32	7.5	Bottom	3	1 2	18.89	8.14	32.84	100.70	7.5	4.3	4.1 3.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-24 2023-02-24	Mid-Ebb Mid-Ebb	Sunny	SR5(N) SR10A(N)	9:31 8:32	7.5	Bottom Surface	1	1	18.90 19.03	8.14 8.15	32.85 32.43	100.90 101.00	7.6 7.5	4.4	2.4
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny Sunny	SR10A(N)	8:32	1.0	Surface	1	2	19.05	8.15	32.45	101.00	7.6	4.2	2.4
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10A(N)	8:31	6.1	Middle	2	1	18.80	8.14	32.86	101.10	7.5	4.2	3.0
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10A(N)	8:32	6.1	Middle	2	2	18.80	8.15	32.85	100.30	7.5	4.2	2.8
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10A(N)	8:31	11.1	Bottom	3	1	18.79	8.14	32.83	100.30	7.5	4.2	3.4
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10A(N)	8:32	11.1	Bottom	3	2	18.79	8.15	32.80	99.70	7.5	4.2	3.8
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10B(N2)	8:21	1.0	Surface	1	1	19.15	8.13	32.17	101.20	7.6	4.4	3.0
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10B(N2)	8:22	1.0	Surface	1	2	19.02	8.14	32.38	101.20	7.6	4.3	2.6
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10B(N2)	8:22	4.0	Middle	2	1	18.78	8.13	32.86	100.80	7.5	4.5	3.6
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10B(N2)	8:21	4.0	Middle	2	2	18.78	8.13	32.86	100.90	7.5	4.3	3.3
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10B(N2)	8:21	7.0	Bottom	3	1	18.82	8.13	32.81	100.60	7.5	4.3	4.3
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	SR10B(N2)	8:21	7.0	Bottom	3	2	18.82	8.13	32.80	100.80	7.5	4.4	4.0
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	CS2(A)	10:19	1.0	Surface	1	1	19.13	8.15	32.30	101.20	7.6	4.1	3.8
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	CS2(A)	10:20	1.0	Surface	1	2	19.10	8.15	32.33	101.20	7.6	4.2	3.5
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	CS2(A)	10:19	3.2	Middle	2	1	18.86	8.14	32.84	100.80	7.5	4.1	3.2
HKLR	HY/2011/03 HY/2011/03	2023-02-24	Mid-Ebb Mid-Ebb	Sunny	CS2(A) CS2(A)	10:20	3.2	Middle	2	2	18.85 18.89	8.14	32.84	100.40	7.5	4.1	2.9 2.5
HKLR	HY/2011/03 HY/2011/03	2023-02-24	Mid-Ebb	Sunny		10:19	5.3	Bottom	3	2		8.15	32.77	100.70	7.5		
HKLR HKLR	HY/2011/03	2023-02-24 2023-02-24	Mid-Ebb	Sunny Sunny	CS2(A) CS(Mf)5	10:20 14:45	5.3 1.0	Bottom Surface	1	1	18.85 18.93	8.15 8.16	32.75 32.09	100.30 107.50	7.5 7.5	4.2	2.3 4.3
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	CS(MI)5 CS(Mf)5	14:45	1.0	Surface	1	2	18.95	8.16	32.09	107.50	7.5	4.1	4.3
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	CS(Mf)5	14:40	4.1	Middle	2	1	18.70	8.10	32.60	106.80	7.5	4.1	3.4
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	CS(Mf)5	14:46	4.1	Middle	2	2	18.69	8.15	32.55	100.80	7.5	4.1	3.8
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	CS(Mf)5	14:45	7.2	Bottom	3	1	18.72	8.15	32.59	106.70	7.5	4.1	3.1
HKLR	HY/2011/03	2023-02-24	Mid-Ebb	Sunny	CS(Mf)5	14:46	7.2	Bottom	3	2	18.71	8.15	32.57	107.80	7.5	4.1	2.8
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS5	14:57	1.0	Surface	1	1	18.94	8.18	32.08	107.80	7.5	4.2	3.7
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS5	14:57	1.0	Surface	1	2	18.96	8.17	32.08	107.50	7.5	4.1	4.0
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS5	14:57	1.1	Middle	2	1	18.91	8.17	32.27	107.10	7.5	4.1	3.2
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS5	14:57	1.1	Middle	2	2	18.94	8.16	32.23	107.40	7.5	4.2	3.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS5	15:08	1.1	Bottom	3	1	18.97	8.17	32.09	107.70	7.5	4.4	2.7
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS5	15:08	1.1	Bottom	3	2	18.96	8.17	32.04	107.90	7.5	4.4	2.3
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS(Mf)6	15:08	1.0	Surface	1	1	18.89	8.16	32.16	107.70	7.5	4.4	2.7
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS(Mf)6	15:08	1.0	Surface	1	2	18.92	8.17	32.25	107.60	7.5	4.4	2.3
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS(Mf)6	15:40	1.1	Bottom	3	1	18.89	8.18	32.12	108.60	7.6	4.2	3.2
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS(Mf)6	15:40	1.1	Bottom	3	2	18.89	8.18	32.16	108.80	7.6	4.1	2.9
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS7	15:39	1.0	Surface	1	1	18.75	8.17	32.40	108.70	7.6	4.2	2.4
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS7	15:40	1.0	Surface	1	2	18.79	8.17	32.39	108.80	7.6	4.2	2.7
HKLR	HY/2011/03 HY/2011/03	2023-02-24	Mid-Flood Mid-Flood	Sunny	IS7 IS7	15:19	1.0 1.0	Bottom	3	1 2	18.94	8.17	32.04	108.70	7.6	4.2	3.8 4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-24 2023-02-24	Mid-Flood Mid-Flood	Sunny	IS7 IS8(N)	15:19 15:19	1.0	Bottom Surface	3	1	18.93 18.91	8.17 8.17	32.03 32.27	108.50 108.50	7.6 7.6	4.2	3.3
HKLR	HY/2011/03 HY/2011/03	2023-02-24	Mid-Flood Mid-Flood	Sunny Sunny	IS8(N)	15:19	1.0	Surface	1	2	18.91	8.17	32.27	108.50	7.6	4.2	3.3
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS8(N)	14:36	1.0	Bottom	3	1	18.99	8.17	32.24	108.40	7.0	4.5	3.8
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS8(N)	14:30	1.1	Bottom	3	2	18.99	8.13	31.99	109.20	7.7	4.4	4.3
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS(Mf)9	14:37	1.0	Surface	1	1	18.99	8.13	32.28	109.20	7.8	4.3	3.6
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS(Mf)9	14:36	1.0	Surface	1	2	18.92	8.13	32.27	103.80	7.7	4.4	3.9
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS(Mf)9	15:30	1.1	Bottom	3	1	18.97	8.17	32.20	108.70	7.6	4.2	4.1
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS(Mf)9	15:30	1.1	Bottom	3	2	18.90	8.17	32.19	108.50	7.6	4.2	4.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS10(N)	15:29	1.0	Surface	1	1	18.79	8.17	32.40	108.70	7.6	4.2	3.8
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS10(N)	15:30	1.0	Surface	1	2	18.80	8.17	32.46	108.60	7.6	4.2	4.1
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS10(N)	16:17	3.5	Middle	2	1	18.89	8.17	32.04	106.00	7.4	4.1	3.2
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS10(N)	16:16	3.5	Middle	2	2	18.96	8.18	32.17	105.80	7.4	4.2	3.6
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS10(N)	16:15	6.0	Bottom	3	1	18.68	8.17	32.63	105.70	7.4	4.4	2.9
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	IS10(N)	16:16	6.0	Bottom	3	2	18.67	8.17	32.58	105.40	7.3	4.1	2.6
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR3(N)	16:16	1.0	Surface	1	1	18.69	8.17	32.64	105.00	7.3	4.2	3.4
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR3(N)	16:15	1.0	Surface	1	2	18.71	8.17	32.65	105.40	7.3	4.4	3.8

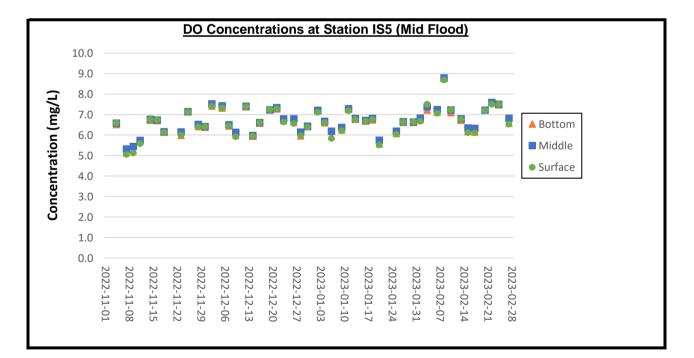
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR3(N)	10:01	1.0	Bottom	3	1	18.92	8.14	31.94	108.90	7.7	4.2	4.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR3(N)	10:01	1.0	Bottom	3	2	19.00	8.15	32.08	107.30	7.6	4.1	4.8
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR4(N3)	10:01	1.0	Surface	1	1	18.72	8.14	32.53	108.40	7.7	4.1	4.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR4(N3)	10:01	1.0	Surface	1	2	18.72	8.14	32.54	107.10	7.6	4.2	4.0
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR4(N3)	10:01	7.3	Bottom	3	1	18.73	8.14	32.58	106.30	7.5	4.1	5.3
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR4(N3)	10:00	7.3	Bottom	3	2	18.74	8.14	32.58	107.10	7.6	4.1	4.9
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR5(N)	9:51	1.0	Surface	1	1	18.97	8.18	32.08	108.50	7.7	4.4	5.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR5(N)	9:51	1.0	Surface	1	2	18.97	8.18	32.00	108.30	7.6	4.4	5.1
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR5(N)	9:51	1.0	Middle	2	1	18.85	8.17	32.33	108.40	7.7	4.5	4.3
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR5(N)	9:51	1.0	Middle	2	2	18.89	8.18	32.29	108.10	7.6	4.6	4.0
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR5(N)	9:41	1.0	Bottom	3	1	18.98	8.16	31.98	106.70	7.5	4.2	3.4
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR5(N)	9:40	1.0 1.0	Bottom	3	2	18.99	8.16	31.97	106.70	7.5	4.2	3.8 3.2
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR10A(N)	9:40		Surface	1		18.92	8.15	32.17	106.60	7.5	4.2	
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR10A(N)	9:40	1.0	Surface		2	18.92	8.15	32.23	106.30	7.5	4.3	3.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR10A(N)	9:10	2	Middle	2	1	18.86	8.14	31.95	107.10	7.5	4.4	3.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-24 2023-02-24	Mid-Flood Mid-Flood	Sunny	SR10A(N) SR10A(N)	9:10	2 2.9	Middle Bottom	3	2	18.91 18.79	8.16 8.13	31.97 32.30	107.20 106.90	7.5 7.5	4.4	4.1 4.5
HKLR	HY/2011/03 HY/2011/03		Mid-Flood Mid-Flood	Sunny	SR10A(N) SR10A(N)	9:10 9:09	2.9	Bottom	3	2					7.5	4.1	4.5
HKLR	HY/2011/03 HY/2011/03	2023-02-24 2023-02-24	Mid-Flood	Sunny Sunny	SR10A(N) SR10B(N2)	9:09	2.9	Surface	3	1	18.83 18.98	8.16 8.17	32.29 31.99	107.10 107.10	7.5	4.4	4.9
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR10B(N2)	9:30	1.0	Surface	1	2	18.98	8.17	31.99	107.10	7.5	4.4	4.0
HKLR	HY/2011/03 HY/2011/03	2023-02-24	Mid-Flood Mid-Flood	Sunny	SR10B(N2) SR10B(N2)	9:31	1.0	Middle	2	1	19.00	8.17	31.98	107.30	7.5	4.4	4.9
HKLR	HY/2011/03	2023-02-24	Mid-Flood Mid-Flood	Sunny	SR10B(N2)	9:30	1	Middle	2	2	18.87	8.16	32.20	107.00	7.5	4.4	4.0
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR10B(N2)	10:11	1.0	Bottom	3	1	19.00	8.10	31.95	107.00	7.4	4.3	3.8
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	SR10B(N2)	10:11	1.0	Bottom	3	2	18.99	8.16	32.02	106.40	7.4	4.3	3.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS2(A)	10:10	1.0	Surface	1	1	18.95	8.10	32.02	106.30	7.4	4.3	2.9
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS2(A)	10:10	1.0	Surface	1	2	18.90	8.15	32.19	106.00	7.4	4.3	2.6
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS2(A)	9:21	1.9	Middle	2	1	18.91	8.15	31.99	107.30	7.6	4.3	3.3
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS2(A)	9:21	1.9	Middle	2	2	18.93	8.15	32.02	107.50	7.6	4.2	3.1
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS2(A)	9:20	2.8	Bottom	3	1	18.82	8.14	32.25	107.10	7.5	4.4	3.7
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS2(A)	9:21	2.8	Bottom	3	2	18.86	8.14	32.30	107.40	7.6	4.3	3.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS(Mf)5	8:27	1.0	Surface	1	1	18.91	8.17	31.94	107.30	7.5	4.2	4.2
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS(Mf)5	8:28	1.0	Surface	1	2	18.95	8.20	31.99	105.70	7.4	4.2	4.5
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS(Mf)5	8:26	6.1	Middle	2	1	18.68	8.15	32.64	106.80	7.5	4.3	5.2
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS(Mf)5	8:27	6.1	Middle	2	2	18.67	8.18	32.61	105.50	7.4	4.2	4.9
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS(Mf)5	8:26	11.1	Bottom	3	1	18.68	8.14	32.66	105.50	7.4	4.3	6.1
HKLR	HY/2011/03	2023-02-24	Mid-Flood	Sunny	CS(Mf)5	8:27	11.1	Bottom	3	2	18.66	8.17	32.60	104.70	7.4	4.4	5.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS5	9:54	1.0	Surface	1	1	19.49	7.88	33.19	99.30	6.9	3.3	3.4
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS5	9:55	1.0	Surface	1	2	19.50	7.87	33.22	99.70	6.9	3.3	3.3
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS5	9:54	4.3	Middle	2	1	19.39	7.86	33.50	98.80	6.9	3.7	4.9
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS5	9:54	4.3	Middle	2	2	19.41	7.86	33.48	98.70	6.9	3.6	4.4
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS5	9:54	7.5	Bottom	3	1	19.42	7.86	33.50	99.20	6.9	3.9	5.4
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS5	9:54	7.5	Bottom	3	2	19.40	7.86	33.52	99.90	6.9	3.8	5.9
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS(Mf)6	10:04	1.0	Surface	1	1	19.53	7.89	33.19	102.40	7.1	3.2	6.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS(Mf)6	10:04	1.0	Surface	1	2	19.50	7.90	33.21	101.70	7.1	3.2	6.9
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS(Mf)6	10:04	2.2	Bottom	3	1	19.52	7.89	33.26	100.60	7.0	3.4	3.7
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS(Mf)6	10:04	2.2	Bottom	3	2	19.48	7.90	33.30	100.80	7.0	3.5	4.0
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS7	10:14	1.0	Surface	1	1	19.54	7.89	33.18	100.30	7.0	3.0	4.8
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS7	10:14	1.0	Surface	1	2	19.53	7.89	33.20	100.60	7.0	3.2	4.4
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS7	10:14	2.3	Bottom	3	1	19.51	7.89	33.29	100.70	7.0	3.3	3.5
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS7	10:14	2.3	Bottom	3	2	19.52	7.88	33.26	100.30	7.0	3.3	3.5
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS8(N)	10:50	1.0	Surface	1	1	19.52	7.87	33.21	99.00	6.9	3.1	4.2
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS8(N)	10:50	1.0	Surface	1	2	19.55	7.88	33.17	99.30	6.9	3.0	4.5
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS8(N)	10:50	3.0	Bottom	3	1	19.50	7.86	33.30	99.10	6.9	3.2	5.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS8(N)	10:50	3.0	Bottom	3	2	19.48	7.86	33.34	98.50	6.9	3.3	6.0
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS(Mf)9	10:25	1.0	Surface	1	1	19.55	7.89	33.18	99.80	6.9	3.1	5.4
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS(Mf)9	10:25	1.0	Surface	1	2	19.53	7.88	33.19	99.70	6.9	3.1	5.7
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS(Mf)9	10:25	2.6	Bottom	3	1	19.52	7.88	33.29	99.70	6.9	3.3	4.5
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS(Mf)9	10:25	2.6	Bottom	3	2	19.49	7.87	33.30	99.60	6.9	3.3	4.2
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS10(N)	10:38	1.0	Surface	1	1	19.46	7.86	32.87	96.50	6.7	3.7	5.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS10(N)	10:39	1.0	Surface	1	2	19.46	7.86	32.88	96.30	6.7	3.7	5.4
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS10(N)	10:38	5.3	Middle	2	1	19.40	7.86	33.32	96.00	6.7	3.9	4.7
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS10(N)	10:38	5.3	Middle	2	2	19.41	7.86	33.30	95.90	6.7	3.9	5.0
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	IS10(N)	10:38	9.5	Bottom	3	1 2	19.41	7.86	33.32	96.70	6.7	4.1	4.3 4.5
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-27 2023-02-27	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) SR3(N)	10:38 9:43	9.5 1.0	Bottom Surface	1	1	19.43 19.54	7.86	33.29 33.18	96.40 103.20	6.7 7.2	4.1 3.4	4.5
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR3(N)	9:43	1.0	Surface	1	2	19.52	7.90	33.18	103.20	7.2	3.4	4.9
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR3(N)	9:43	2.3	Bottom	3	1	19.52	7.90	33.21	102.10	7.1	3.6	5.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR3(N)	9:43	2.3	Bottom	3	2	19.50	7.89	33.24	102.40	7.1	3.6	5.2
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR4(N3)	10:40	1.0	Surface	1	1	19.53	7.88	33.19	98.70	6.9	3.1	5.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR4(N3)	10:40	1.0	Surface	1	2	19.53	7.88	33.18	98.60	6.9	3.1	6.1
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR4(N3)	10:40	2.9	Bottom	3	1	19.51	7.86	33.29	98.20	6.8	3.5	5.0
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR4(N3)	10:40	2.9	Bottom	3	2	19.53	7.86	33.30	98.50	6.9	3.5	4.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR5(N)	10:29	1.0	Surface	1	1	19.46	7.86	32.88	96.90	6.8	3.4	4.8
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-27 2023-02-27	Mid-Ebb Mid-Ebb	Fine	SR5(N)	10:28	1.0 4.9	Surface	1	2	19.46 19.41	7.86 7.86	32.90	96.90	6.8	3.4 3.6	5.2 5.6
HKLR	HY/2011/03 HY/2011/03	2023-02-27	Mid-Ebb	Fine Fine	SR5(N) SR5(N)	10:29 10:28	4.9	Middle Middle	2	1 2	19.41	7.86	33.30 33.30	96.10 96.20	6.7 6.7	3.6	5.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR5(N)	10:28	8.7	Bottom	3	1	19.40	7.86	33.33	96.60	6.7	4.1	6.0
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR5(N)	10:25	8.7	Bottom	3	2	19.41	7.86	33.32	96.90	6.8	4.1	6.4
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10A(N)	11:30	1.0	Surface	1	1	19.46	7.86	33.05	97.10	6.8	3.1	5.9
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10A(N)	11:31	1.0	Surface	1	2	19.45	7.86	33.03	97.60	6.8	3.1	5.5
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10A(N)	11:31	6.5	Middle	2	1	19.40	7.86	33.44	95.90	6.7	3.4	5.0
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10A(N)	11:30	6.5	Middle	2	2	19.42	7.86	33.41	96.30	6.7	3.4	4.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10A(N)	11:30	12.0	Bottom	3	1	19.41	7.86	33.41	96.80	6.8	3.5	4.5
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10A(N)	11:30	12.0	Bottom	3	2	19.41	7.86	33.42	96.20	6.7	3.5	4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-27	Mid-Ebb Mid-Ebb	Fine	SR10B(N2) SR10B(N2)	11:42	1.0 1.0	Surface	1	1 2	19.46	7.86	33.10	96.70	6.7	3.2	4.6 4.4
HKLR	HY/2011/03 HY/2011/03	2023-02-27 2023-02-27	Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	11:41 11:41	4.1	Surface Middle	2	1	19.45 19.42	7.86 7.86	33.05 33.40	96.90 96.00	6.8 6.7	3.1 3.4	4.4 5.0
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10B(N2)	11:41	4.1	Middle	2	2	19.42	7.86	33.35	96.20	6.7	3.4	4.8
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10B(N2)	11:41	7.1	Bottom	3	1	19.41	7.86	33.40	96.60	6.7	3.7	5.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	SR10B(N2)	11:42	7.1	Bottom	3	2	19.43	7.86	33.34	96.40	6.7	3.7	5.2
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS2(A)	9:36	1.0	Surface	1	1	19.41	7.86	32.94	98.40	6.9	3.3	4.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS2(A)	9:36	1.0	Surface	1	2	19.40	7.86	32.92	98.10	6.9	3.2	4.2
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS2(A)	9:35	3.3	Middle	2	1	19.39	7.86	33.23	97.60	6.8	3.6	4.9
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS2(A)	9:36	3.3	Middle	2	2	19.40	7.86	33.24	97.40	6.8	3.5	5.2
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS2(A)	9:36	5.6	Bottom	3	1	19.38	7.86	33.31	97.60	6.8	3.9	5.7
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-27 2023-02-27	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS(Mf)5	9:35 11:34	5.6 1.0	Bottom Surface	3	2	19.38 19.58	7.86 7.89	33.33 33.42	98.10 97.00	6.9 6.7	3.8 3.3	5.4 5.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS(Mf)5	11:34	1.0	Surface	1	2	19.60	7.89	33.42	97.60	6.7	3.3	5.2
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS(Mf)5	11:34	6.5	Middle	2	1	19.31	7.85	33.97	95.00	6.6	3.4	4.6
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS(Mf)5	11:34	6.5	Middle	2	2	19.31	7.85	33.98	95.50	6.6	3.5	4.3
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS(Mf)5	11:34	11.9	Bottom	3	1	19.32	7.85	33.49	95.00	6.5	3.7	4.0
HKLR	HY/2011/03	2023-02-27	Mid-Ebb	Fine	CS(Mf)5	11:33	11.9	Bottom	3	2	19.29	7.85	33.99	94.90	6.6	3.6	3.6
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS5	6:04	1.0	Surface	1	1	19.40	7.89	33.20	97.00	6.8	3.4	4.8
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS5	6:03	1.0	Surface	1	2	19.42	7.89	33.22	99.10	6.9	3.3	5.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS5	6:03	4.3	Middle	2	1	19.20	7.86	33.56	95.10	6.6	3.5	4.2
HKLR	HY/2011/03 HY/2011/03	2023-02-27	Mid-Flood Mid-Flood	Fine	IS5 IS5	6:04	4.3 7.5	Middle	2	2	19.20	7.85	33.56	95.70	6.6	3.5	4.6 4.0
HKLR HKLR	HY/2011/03 HY/2011/03	2023-02-27 2023-02-27	Mid-Flood Mid-Flood	Fine Fine	IS5 IS5	6:03 6:03	7.5	Bottom Bottom	3	1 2	19.16 19.17	7.85 7.86	33.68 33.65	95.30 95.10	6.5 6.5	3.8 3.9	4.0
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS(Mf)6	5:54	1.0	Surface	1	1	19.17	7.80	33.18	97.70	6.8	3.9	4.4
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS(Mf)6	5:54	1.0	Surface	1	2	19.43	7.89	33.21	97.80	6.8	3.2	4.1
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS(Mf)6	5:54	2.2	Bottom	3	1	19.44	7.88	33.27	97.50	6.8	3.5	5.4
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS(Mf)6	5:54	2.2	Bottom	3	2	19.41	7.87	33.32	97.60	6.8	3.4	4.9
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS7	5:45	1.0	Surface	1	1	19.46	7.89	33.20	97.50	6.8	3.1	4.4
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS7	5:46	1.0	Surface	1	2	19.48	7.89	33.17	97.80	6.8	3.1	3.9
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS7	5:45	2.3	Bottom	3	1	19.43	7.88	33.27	97.40	6.8	3.3	3.6
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS7	5:46	2.3	Bottom	3	2	19.45	7.88	33.25	97.50	6.8	3.3	3.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS8(N)	5:08	1.0	Surface	1	1	19.43	7.89	33.17	100.20	7.0	3.2	5.3
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS8(N)	5:08	1.0	Surface	1	2	19.44	7.89	33.17	99.60	7.0	3.2	4.8

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS8(N)	5:08	3.0	Bottom	3	1	19.42	7.88	33.38	99.00	6.9	3.3	3.8
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS8(N)	5:08	3.0	Bottom	3	2	19.34	7.87	33.45	97.70	6.8	3.4	4.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS(Mf)9	5:36	1.0	Surface	1	1	19.46	7.89	33.18	97.60	6.8	3.2	4.1
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS(Mf)9	5:37	1.0	Surface	1	2	19.47	7.89	33.14	97.80	6.8	3.2	3.8
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS(Mf)9	5:36	2.5	Bottom	3	1	19.45	7.88	33.28	97.20	6.7	3.5	3.0
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS(Mf)9	5:36	2.5	Bottom	3	2	19.35	7.87	33.33	96.80	6.7	3.4	3.5
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS10(N)	5:14	1.0	Surface	1	1	19.41	7.86	32.95	97.80	6.8	3.3	4.6
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS10(N)	5:15	1.0	Surface	1	2	19.42	7.86	32.95	97.50	6.8	3.2	4.9
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS10(N)	5:15	5.3	Middle	2	1	19.40	7.86	33.32	96.80	6.8	3.5	5.7
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS10(N)	5:14	5.3	Middle	2	2	19.40	7.86	33.31	97.30	6.8	3.5	5.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS10(N)	5:15	9.6	Bottom	3	1	19.40	7.86	33.33	97.10	6.8	3.9	6.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	IS10(N)	5:14	9.6	Bottom	3	2	19.40	7.86	33.34	97.90	6.8	3.9	6.6
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR3(N)	6:15	1.0	Surface	1	1	19.46	7.89	33.17	96.90	6.8	3.5	3.0
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR3(N)	6:15	1.0	Surface	1	2	19.44	7.89	33.21	96.70	6.7	3.6	2.7
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR3(N)	6:15	2.3	Bottom	3	1	19.43	7.88	33.27	96.50	6.7	3.7	3.5
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR3(N)	6:15	2.3	Bottom	3	2	19.38	7.88	33.32	95.90	6.6	3.6	3.9
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR4(N3)	5:20	1.0	Surface	1	1	19.44	7.89	33.18	97.40	6.8	3.2	3.4
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR4(N3)	5:19	1.0	Surface	1	2	19.41	7.89	33.17	97.60	6.8	3.1	3.8
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR4(N3)	5:19	3.1	Bottom	3	1	19.40	7.87	33.43	97.30	6.7	3.3	5.1
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR4(N3)	5:19	3.1	Bottom	3	2	19.38	7.87	33.44	97.40	6.7	3.2	4.8
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR5(N)	5:25	1.0	Surface	1	1	19.43	7.86	32.96	97.00	6.8	3.1	4.3
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR5(N)	5:24	1.0	Surface	1	2	19.43	7.86	32.97	96.90	6.8	3.2	4.5
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR5(N)	5:25	4.9	Middle	2	1	19.42	7.86	33.22	96.20	6.7	3.4	5.0
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR5(N)	5:24	4.9	Middle	2	2	19.41	7.86	33.23	96.60	6.7	3.4	4.8
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR5(N)	5:25	8.7	Bottom	3	1	19.41	7.86	33.28	96.80	6.8	4.0	5.5
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR5(N)	5:24	8.7	Bottom	3	2	19.40	7.86	33.33	97.00	6.8	3.8	6.0
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10A(N)	4:27	1.0	Surface	1	1	19.35	7.85	33.11	99.10	6.9	2.7	3.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10A(N)	4:26	1.0	Surface	1	2	19.45	7.86	33.03	97.60	6.8	2.8	3.5
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10A(N)	4:26	6.6	Middle	2	1	19.41	7.86	33.39	96.90	6.8	3.0	4.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10A(N)	4:27	6.6	Middle	2	2	19.41	7.86	33.38	96.20	6.7	3.0	4.0
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10A(N)	4:26	12.2	Bottom	3	1	19.42	7.86	33.42	96.50	6.7	3.7	5.0
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10A(N)	4:26	12.2	Bottom	3	2	19.41	7.86	33.42	97.10	6.8	3.7	4.7
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10B(N2)	4:16	1.0	Surface	1	1	19.45	7.86	33.05	101.90	7.1	2.7	3.5
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10B(N2)	4:16	1.0	Surface	1	2	19.45	7.85	33.06	99.90	7.0	2.8	3.1
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10B(N2)	4:15	4.1	Middle	2	1	19.42	7.86	33.36	99.70	6.9	3.1	4.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10B(N2)	4:16	4.1	Middle	2	2	19.42	7.85	33.36	97.80	6.8	3.0	4.5
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10B(N2)	4:16	7.2	Bottom	3	1	19.41	7.86	33.42	98.10	6.8	3.4	4.8
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	SR10B(N2)	4:15	7.2	Bottom	3	2	19.40	7.86	33.43	97.70	6.8	3.4	5.2
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS2(A)	6:18	1.0	Surface	1	1	19.41	7.87	32.96	97.70	6.8	3.5	4.4
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS2(A)	6:17	1.0	Surface	1	2	19.40	7.87	32.96	97.80	6.8	3.5	3.9
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS2(A)	6:18	3.4	Middle	2	1	19.40	7.86	33.24	97.20	6.8	3.8	3.3
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS2(A)	6:17	3.4	Middle	2	2	19.41	7.87	33.18	97.30	6.8	3.8	3.6
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS2(A)	6:17	5.7	Bottom	3	1	19.40	7.86	33.27	97.70	6.8	3.9	3.0
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS2(A)	6:18	5.7	Bottom	3	2	19.39	7.86	33.29	97.50	6.8	4.1	2.6
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS(Mf)5	4:32	1.0	Surface	1	1	19.50	7.88	33.28	100.20	6.8	3.0	3.1
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS(Mf)5	4:32	1.0	Surface	1	2	19.47	7.86	33.32	99.60	6.9	3.0	3.6
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS(Mf)5	4:32	6.4	Middle	2	1	19.24	7.87	33.80	97.00	6.7	3.2	4.1
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS(Mf)5	4:31	6.4	Middle	2	2	19.24	7.86	33.80	97.70	6.7	3.2	3.8
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS(Mf)5	4:31	11.8	Bottom	3	1	19.24	7.85	33.87	96.80	6.7	3.6	4.7
HKLR	HY/2011/03	2023-02-27	Mid-Flood	Fine	CS(Mf)5	4:32	11.8	Bottom	3	2	19.24	7.86	33.89	96.50	6.6	3.6	4.4

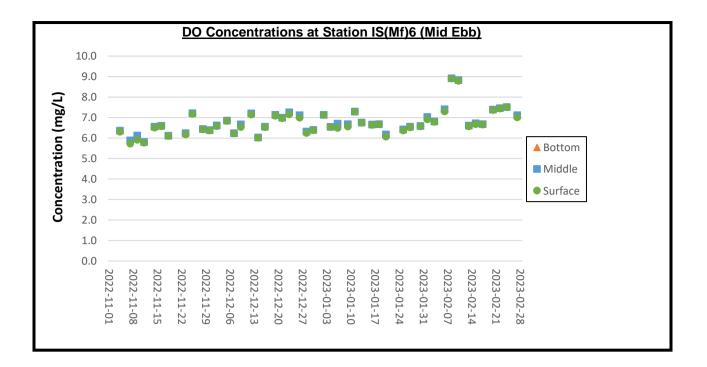


(1) Strong Wind Signal No.3 was remain in force according to Hong Kong Observatory. The water quality monitoring on 2 Nov 2022 was cancelled due to safety reasons and no subsitute monitoring would be conducted.
(2) As confirmed by the Contractor, the construction site of the Contract No. 2011/03 was closed and no construction works were conducted on 22, 23 and 24 January 2023. As such, no impact water quality monitoring was scheduled on 23 January 2023.

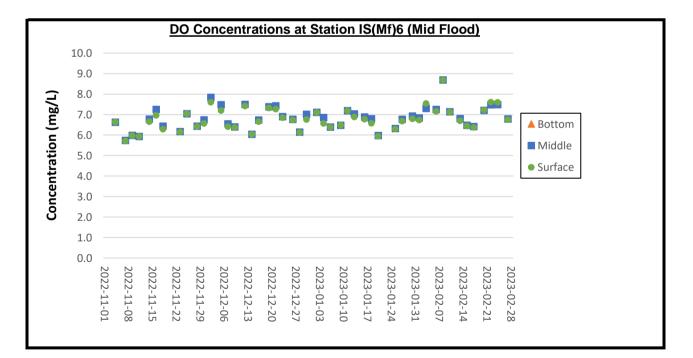


Remarks:

(1) Strong Wind Signal No.3 was remain in force according to Hong Kong Observatory. The water quality monitoring on 2 Nov 2022 was cancelled due to safety reason.

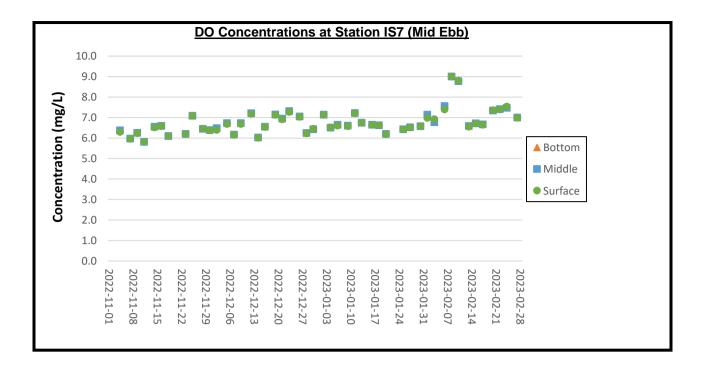


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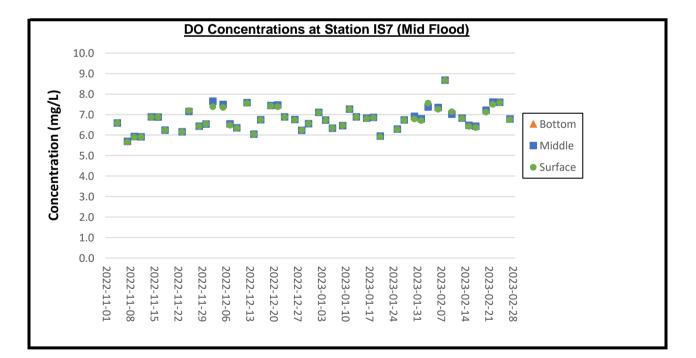


Remarks:

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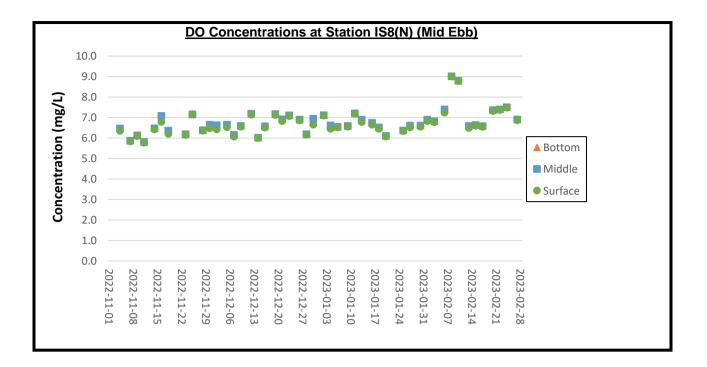


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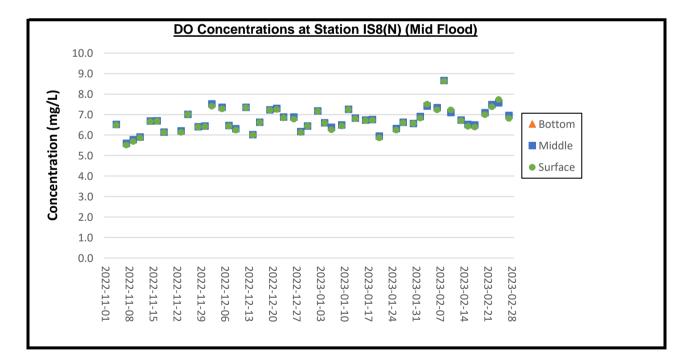


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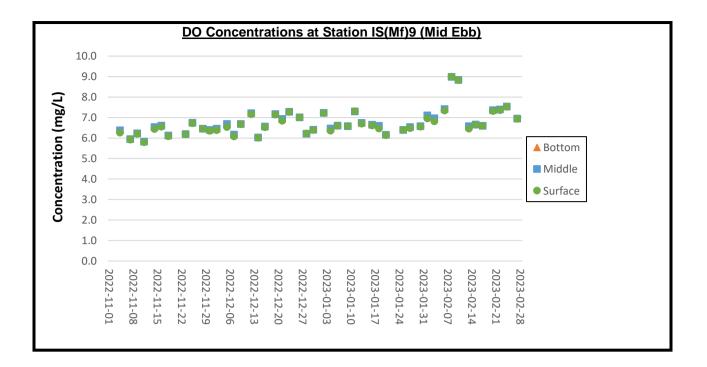


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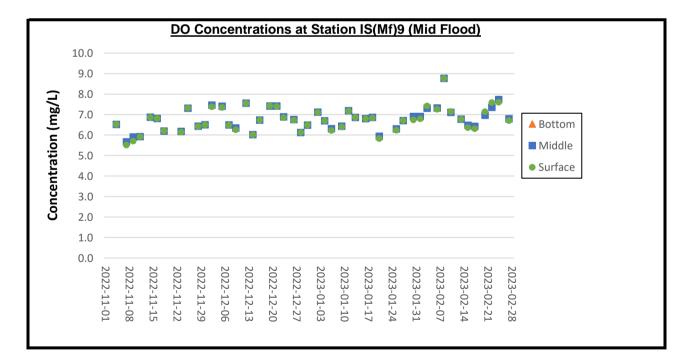


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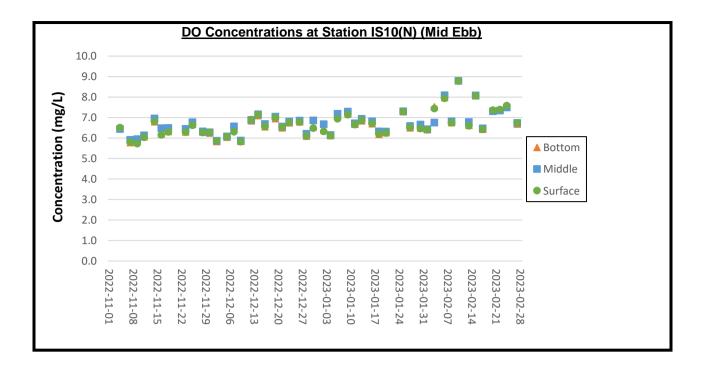


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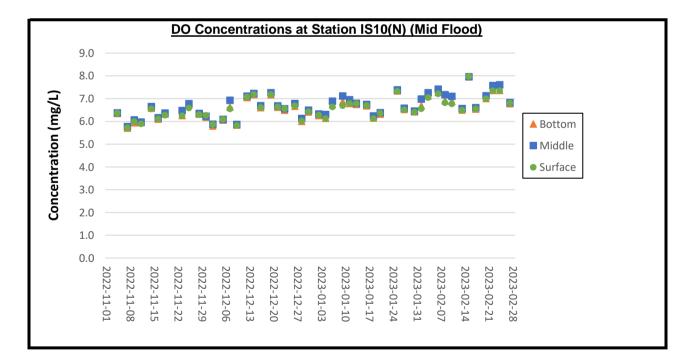


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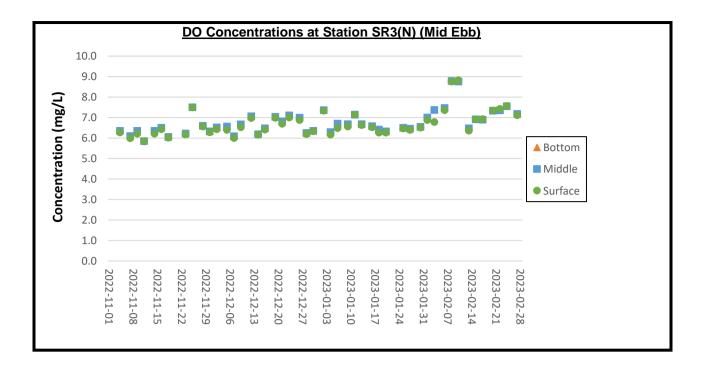


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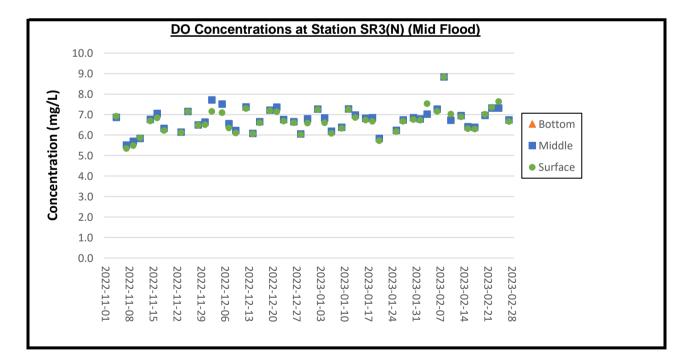


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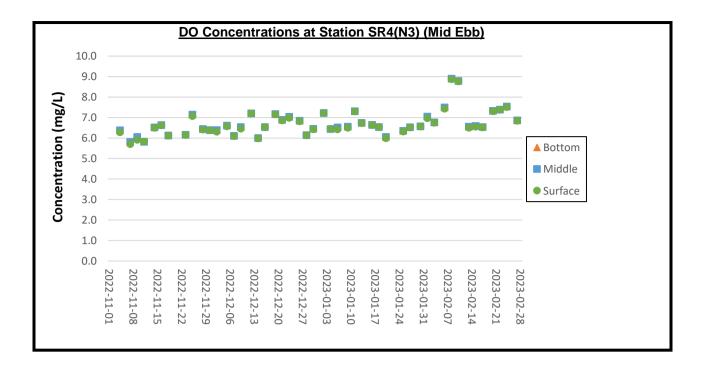


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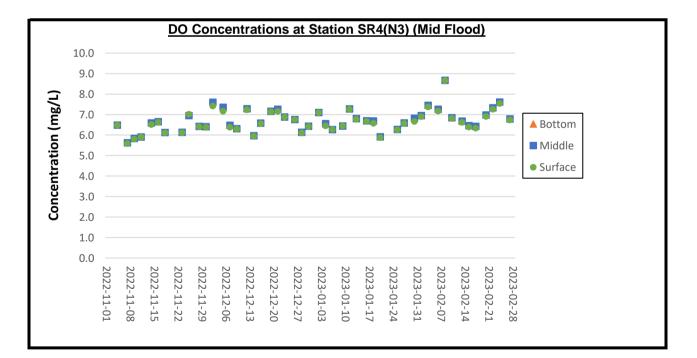


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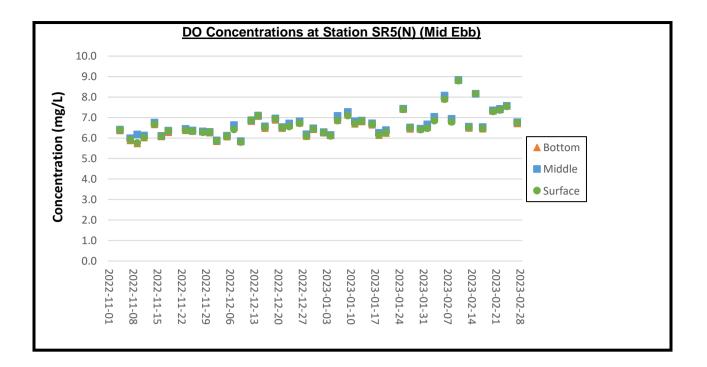


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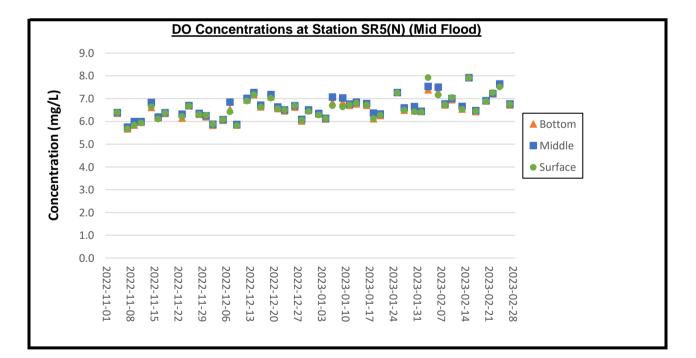


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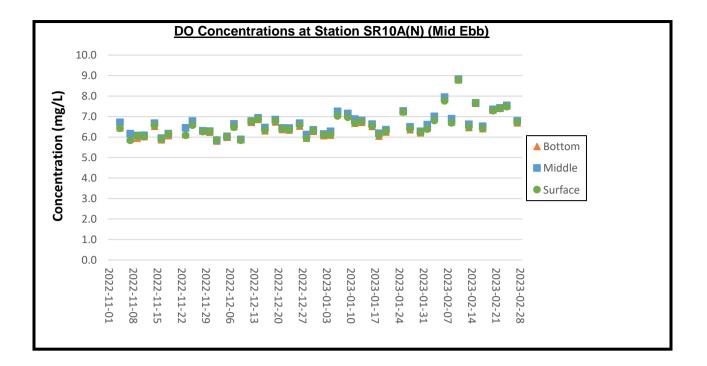


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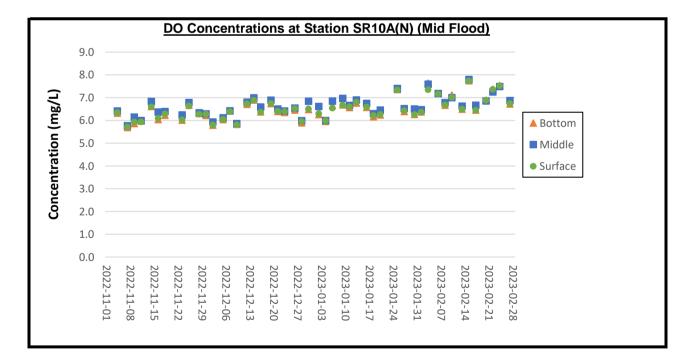


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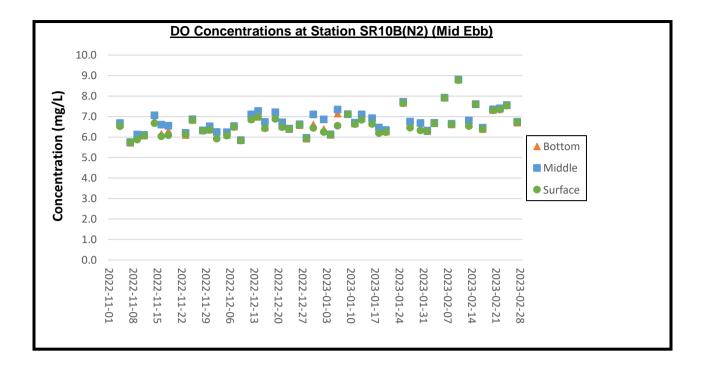


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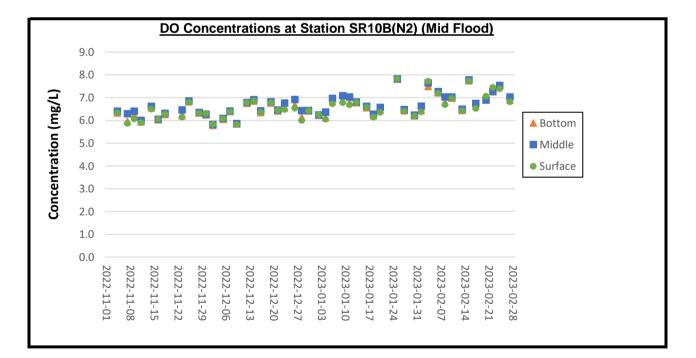


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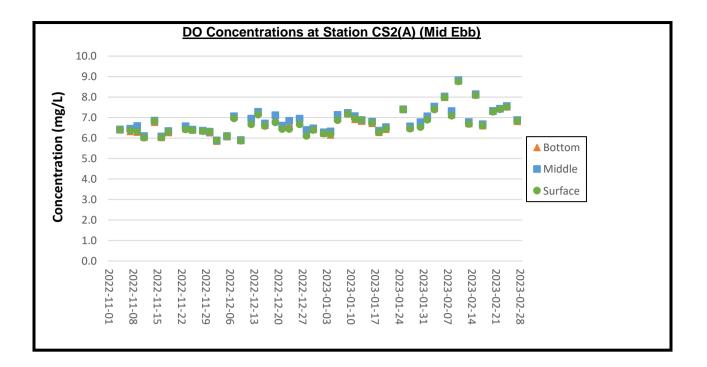


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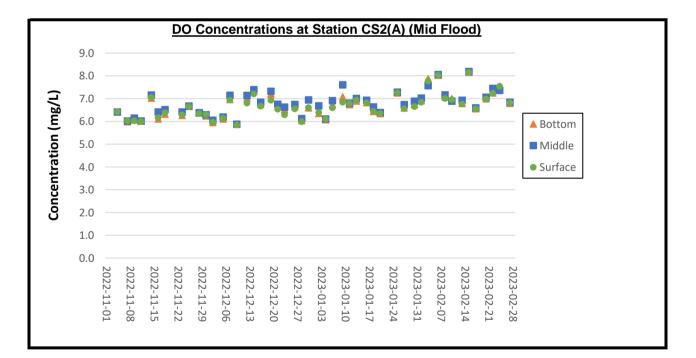


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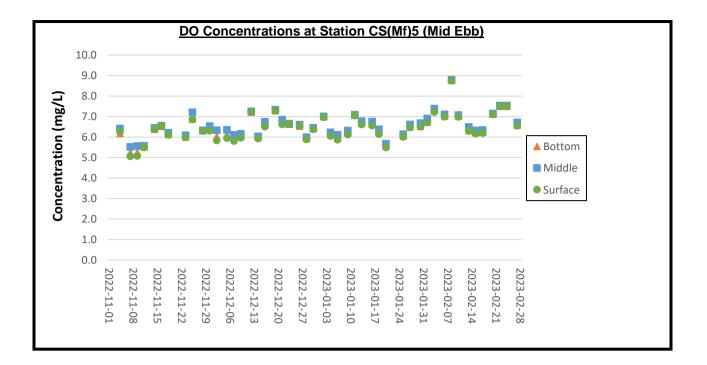


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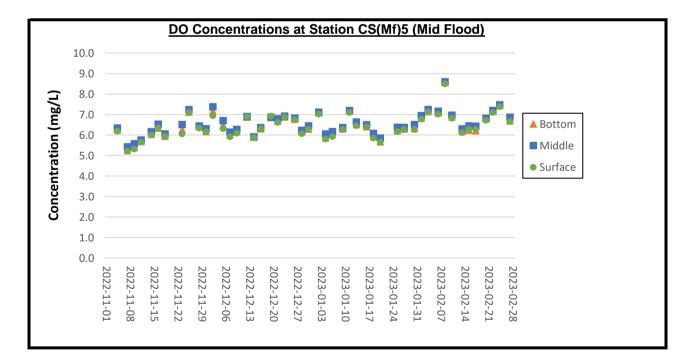


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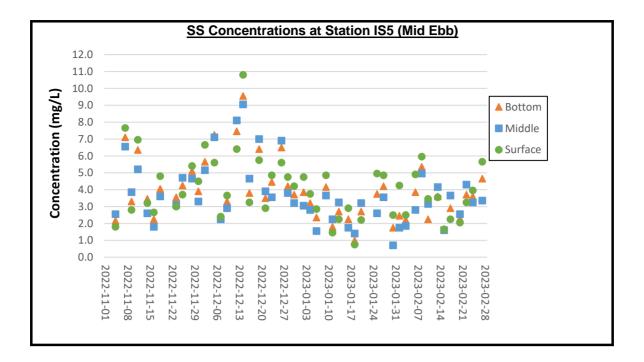


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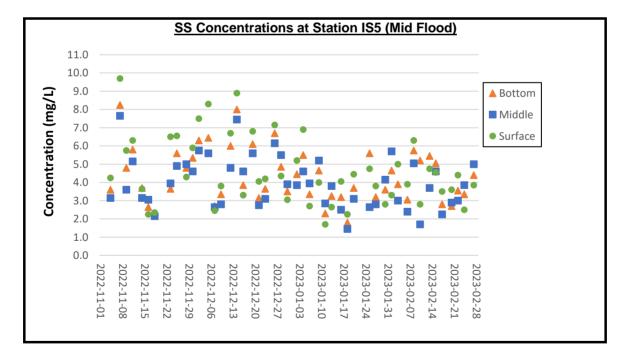
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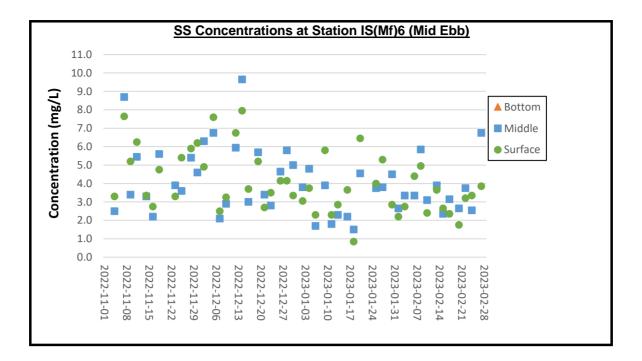
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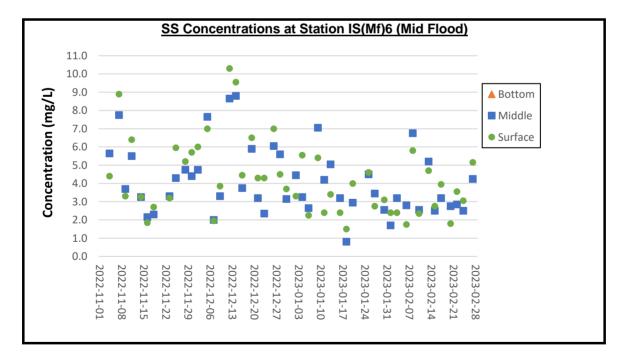
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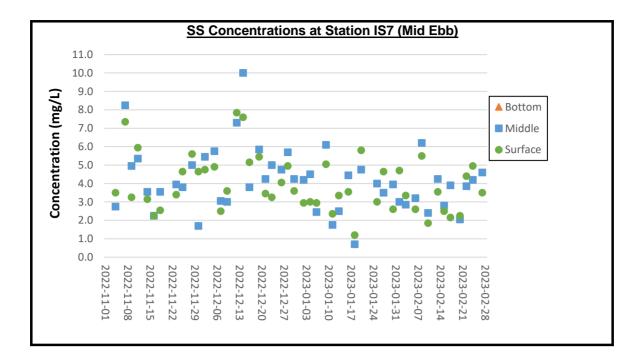
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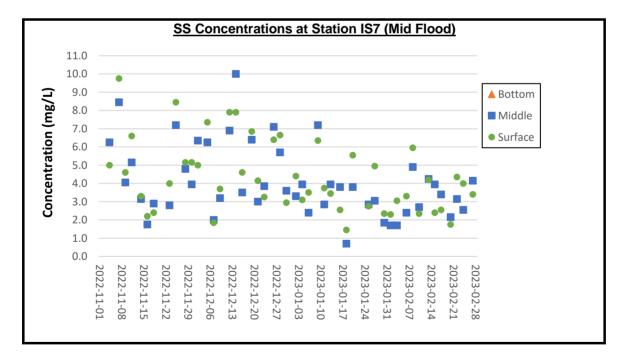
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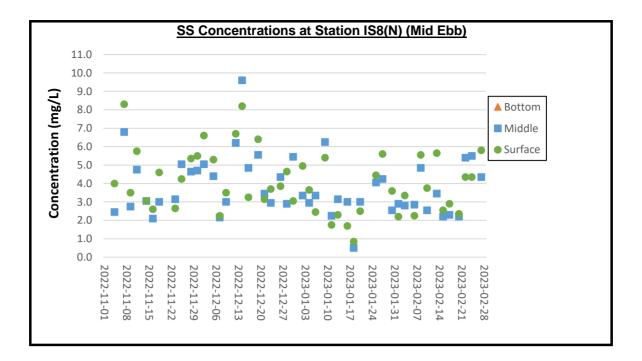
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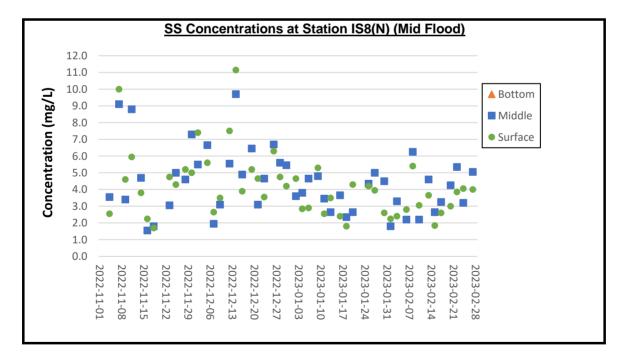
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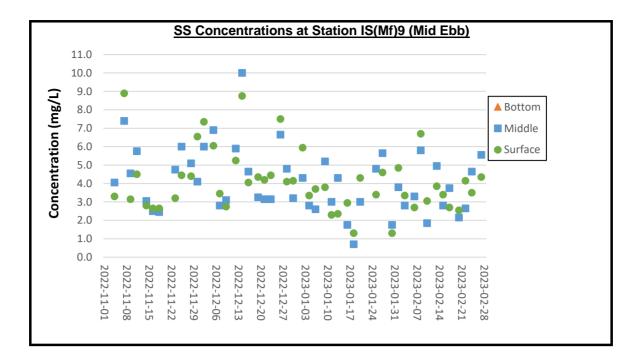
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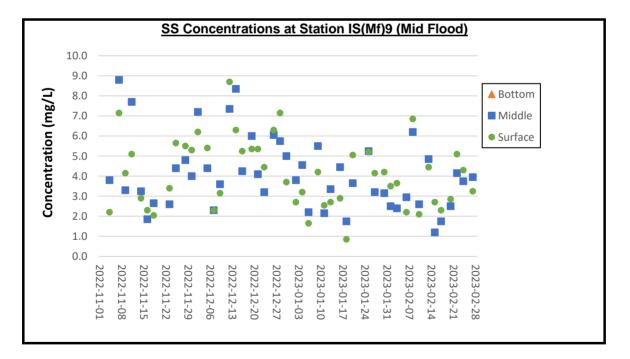
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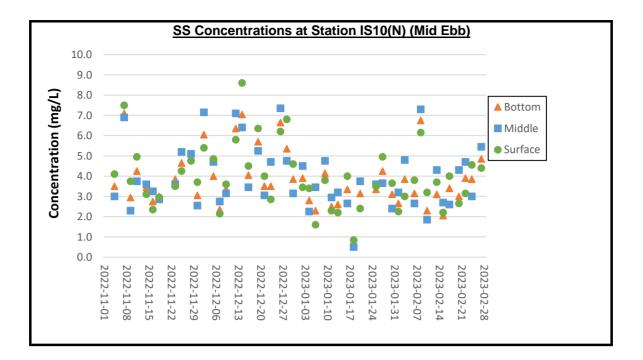
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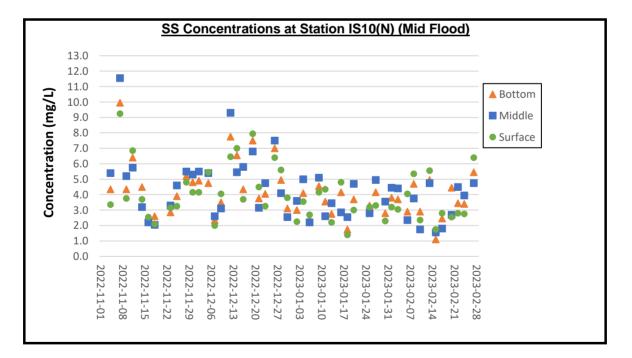
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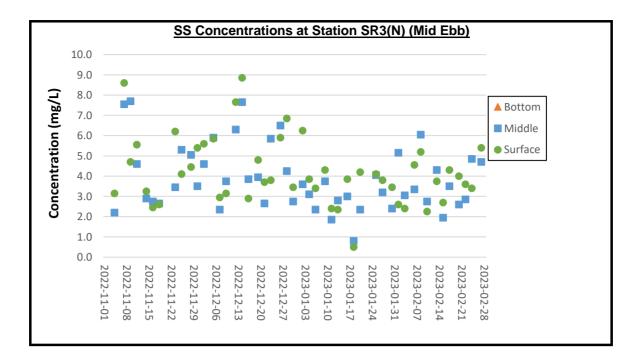
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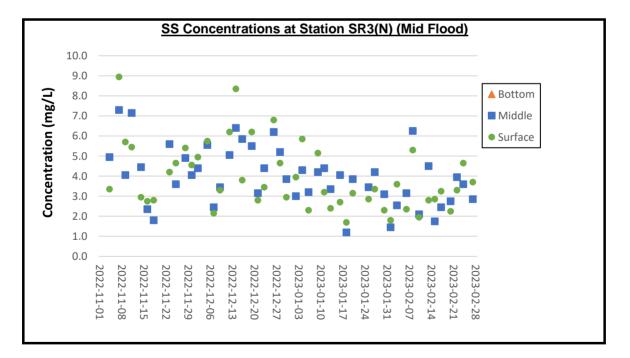
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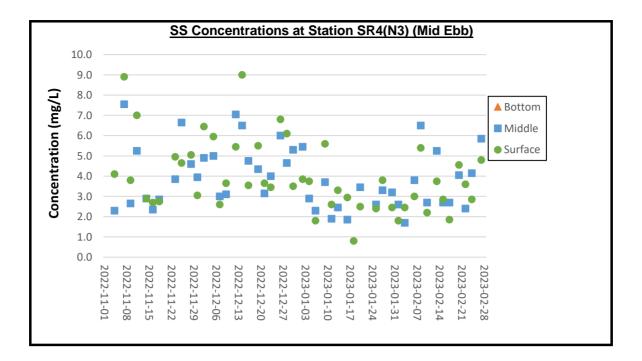
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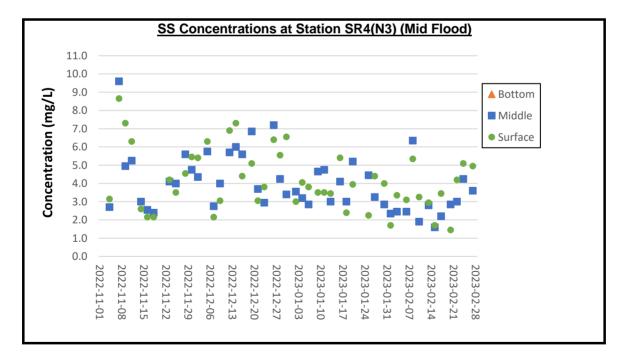
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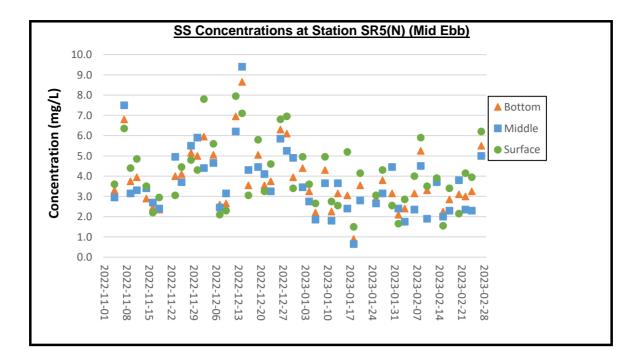
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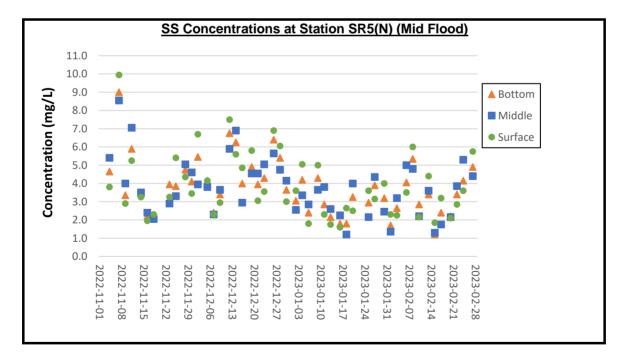
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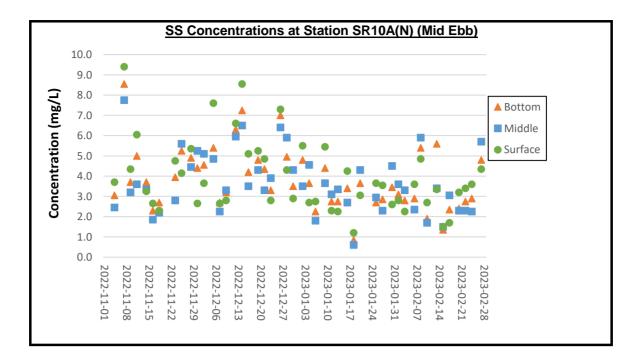
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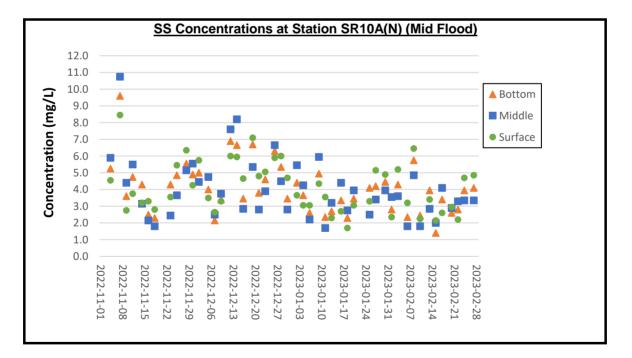
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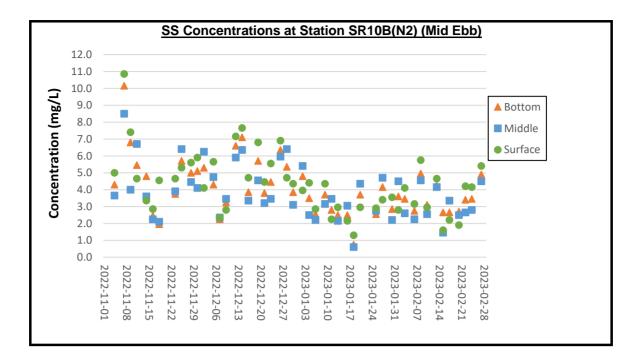
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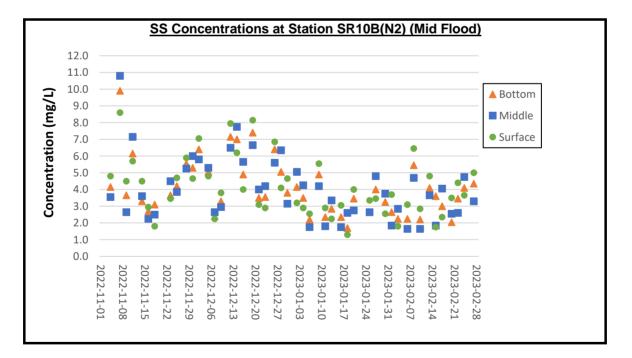
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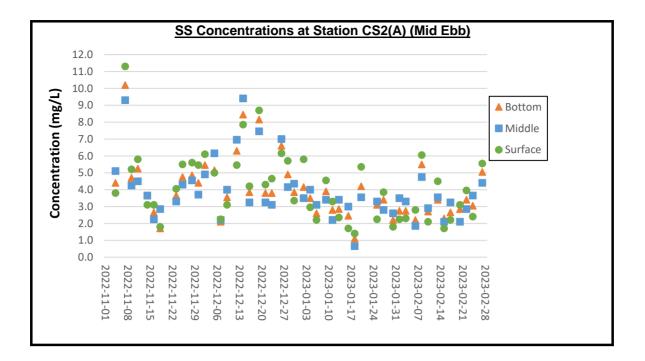
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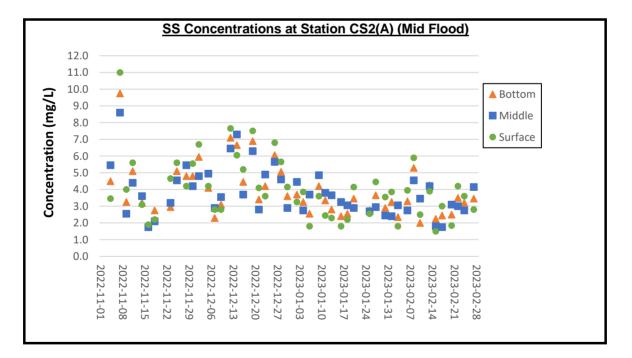
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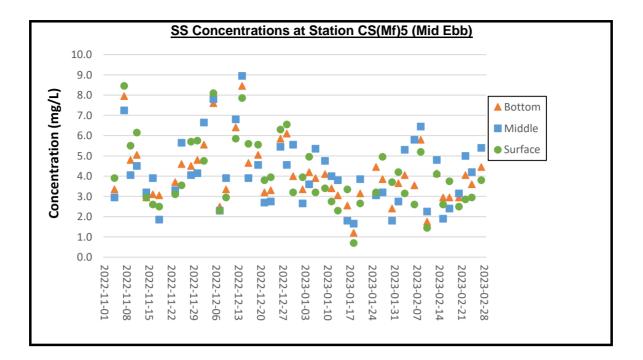
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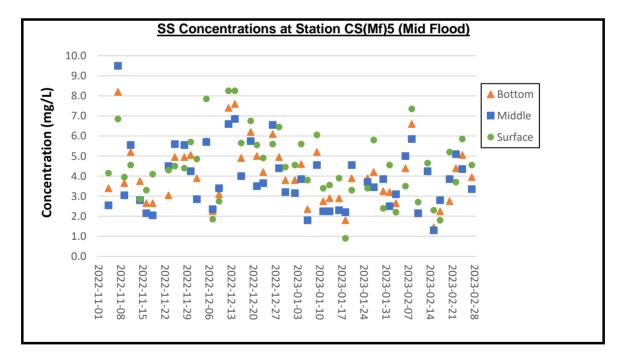
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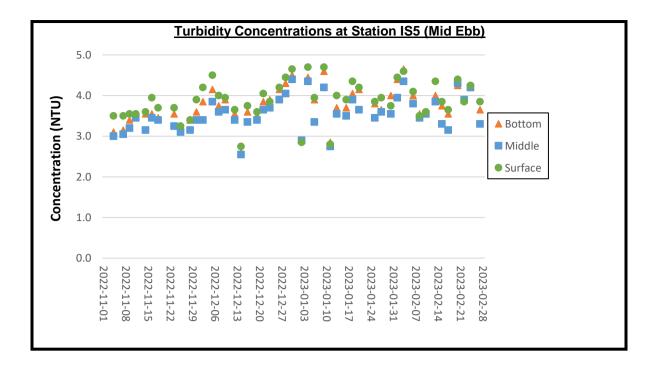
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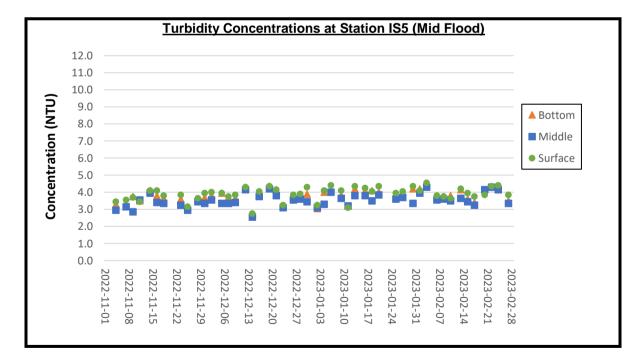
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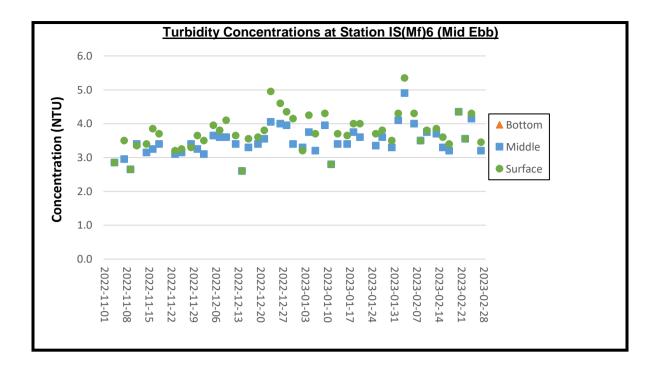
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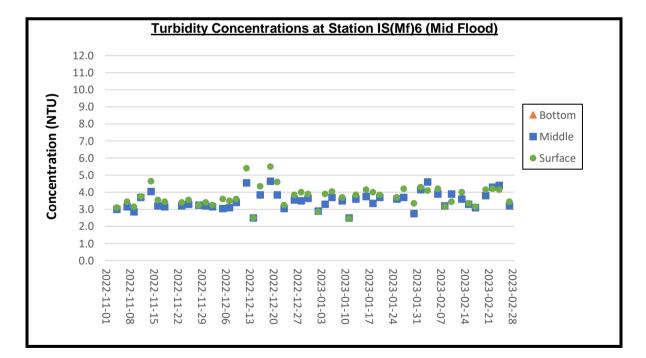
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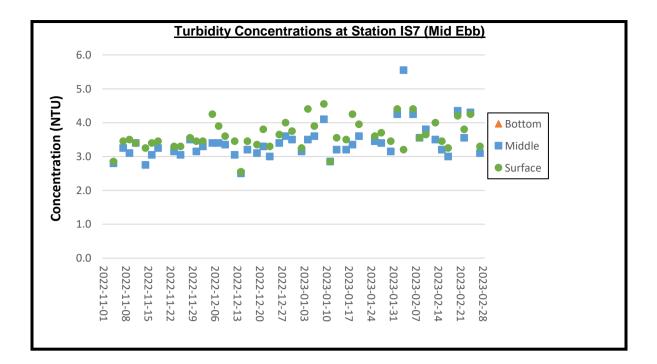
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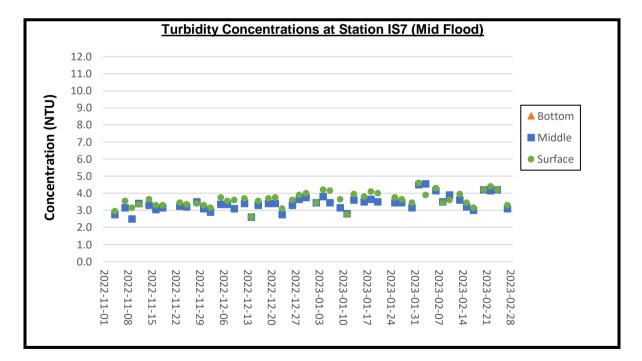
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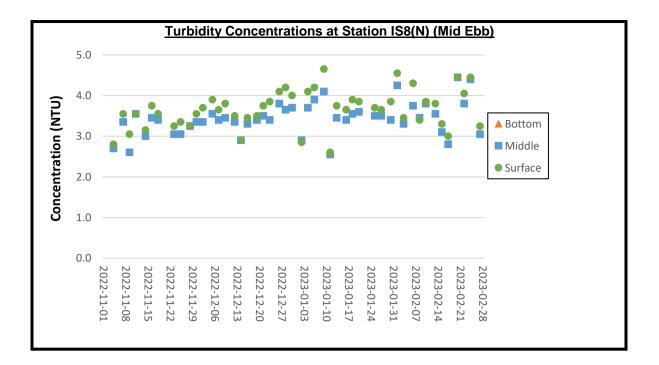
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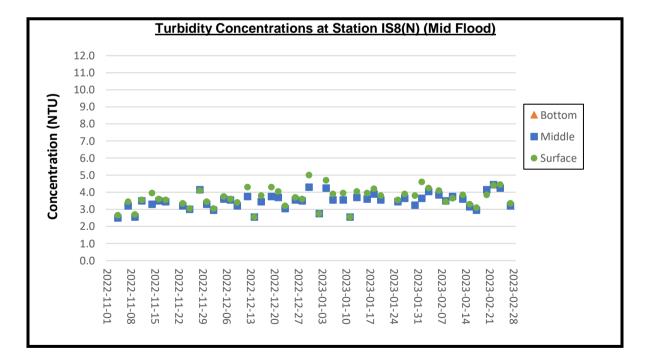
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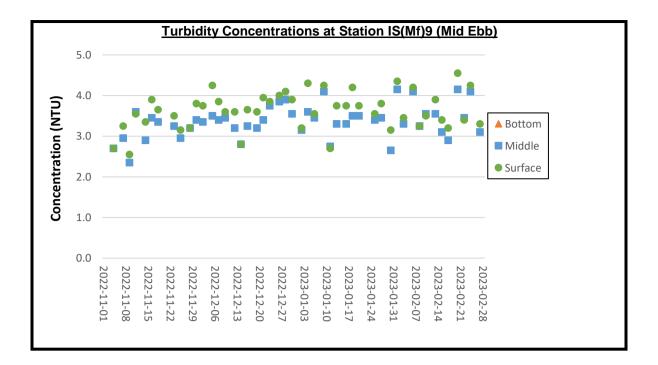
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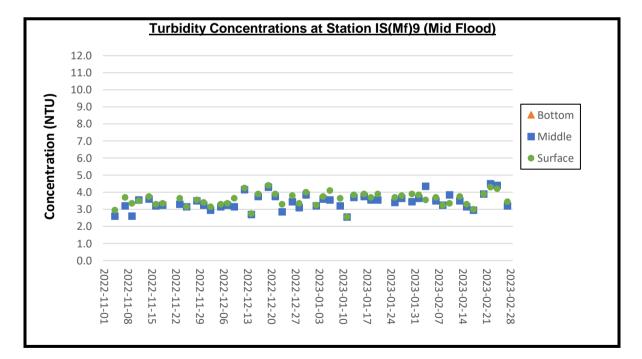
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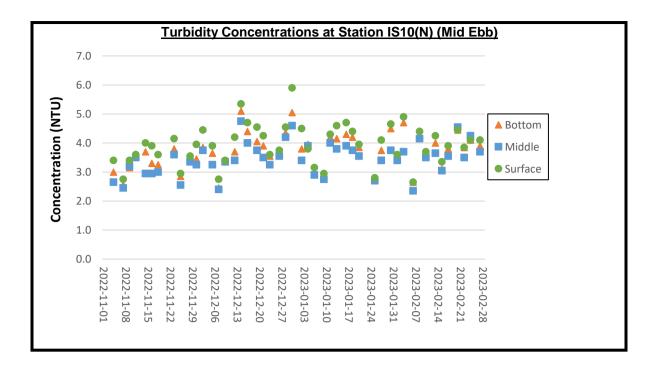
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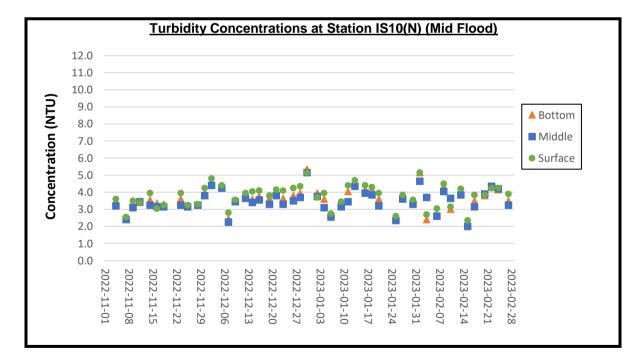
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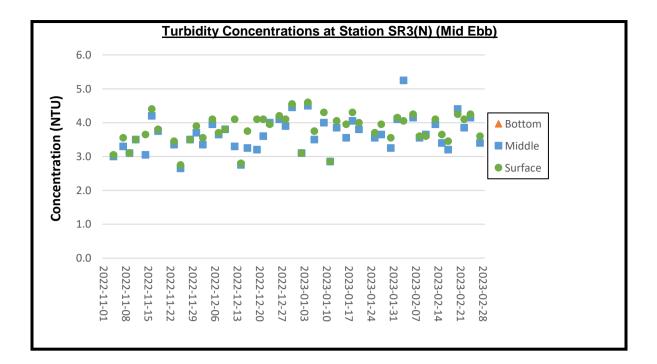
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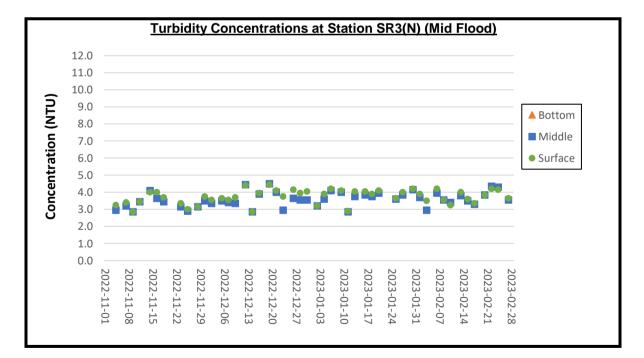
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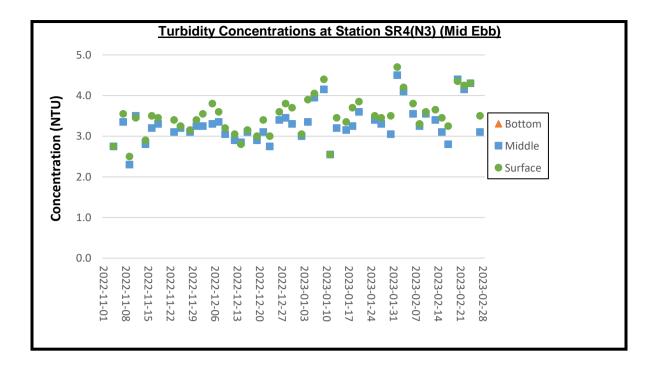
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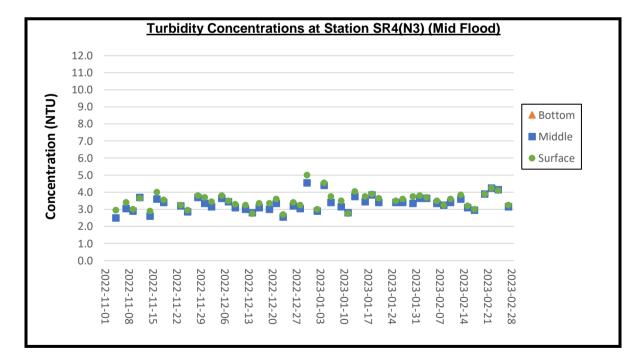
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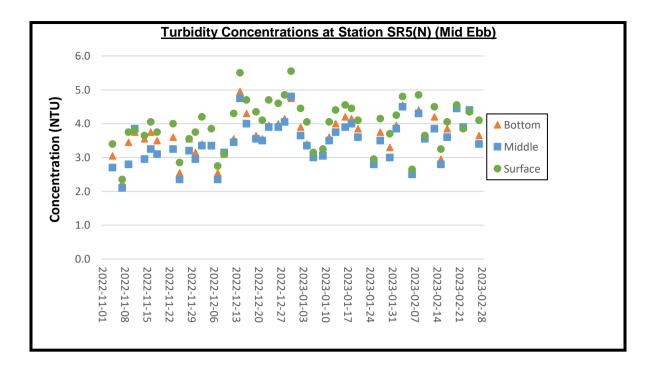
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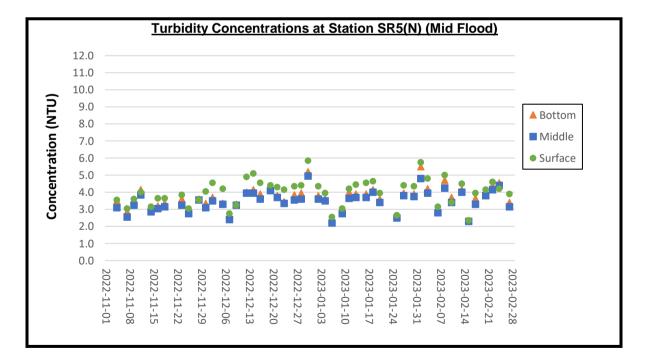
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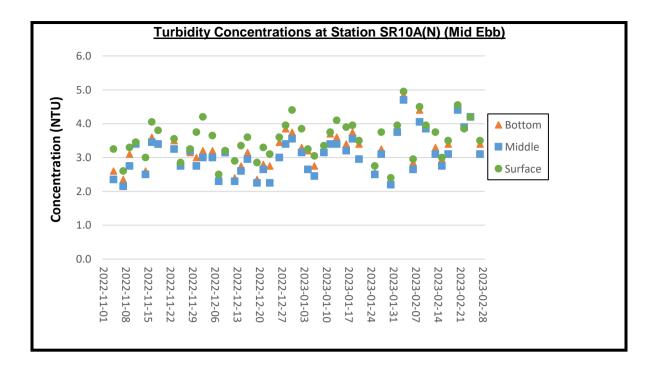
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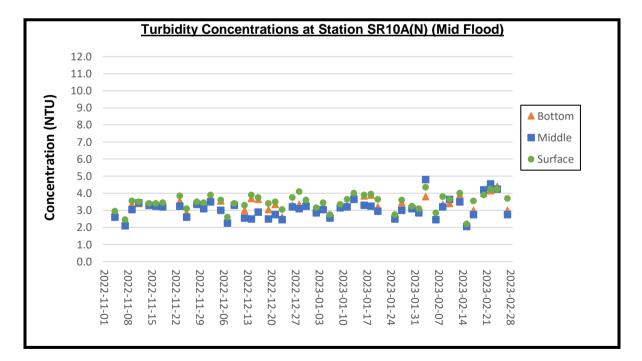
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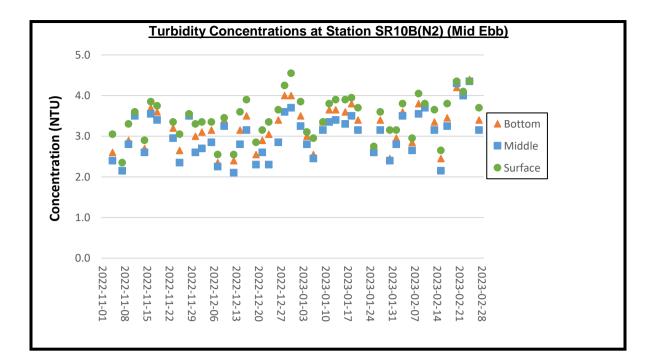
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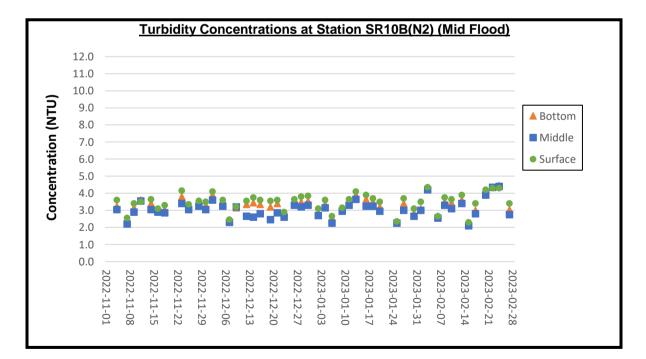
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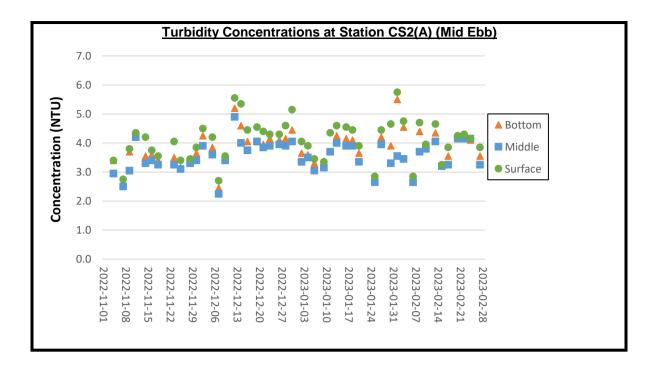
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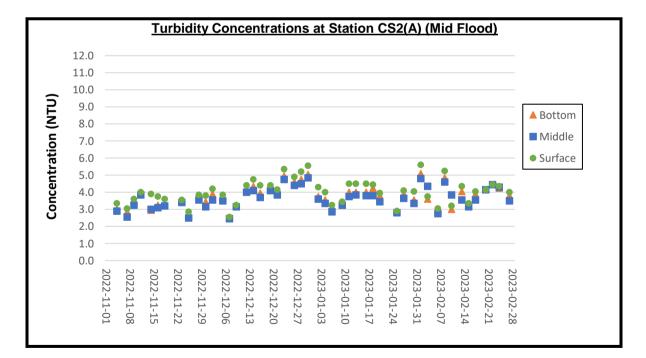
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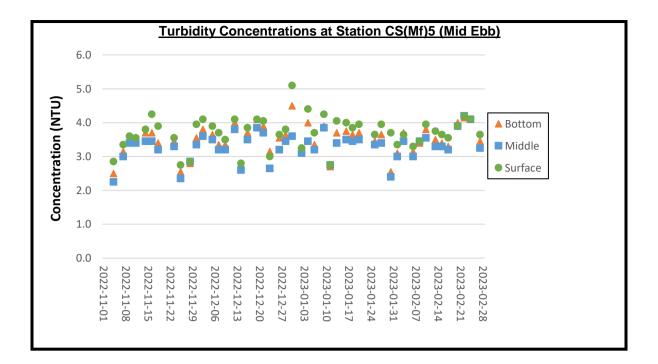
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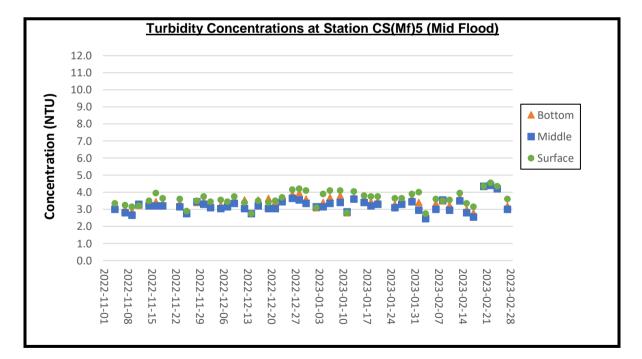
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APPENDIX F

Event and Action Plan



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

Event and Action Plan for Air Quality

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

Event	and	Action	Plan	for	Noise

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

	Action Plan for water C	Action		
Event	ET Leader	IEC	SO	Contractor
Action level being exceeded by one sampling day	 Repeat in situ measurement on next day of exceedance to confirm findings; Identify source(s) of impact; Inform IEC, contractor and SO; Check monitoring data, all plant, equipment and Contractor's working methods. 	 Check monitoring data submitted by ET and Contractor's working methods. 	 Confirm receipt of notification of non- compliance in writing; Notify Contractor. 	confirm notification of
being exceeded by	 Repeat measurement on next day of exceedance to confirm findings; Identify source(s) of impact; Inform IEC, contractor, SO and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Action level. 	 submitted by ET and Contractor's working method; Discuss with ET and Contractor on possible remedial actions; Review the proposed 	the proposed mitigation measures;	 confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment and consider changes of working
Limit level being exceeded by one sampling day	 Repeat measurement on next day of exceedance to confirm findings; Identify source(s) of impact; Inform IEC, contractor, SO and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, SO and Contractor; 	 submitted by ET and Contractor's working method; Discuss with ET and Contractor on possible remedial actions; Review the proposed 	notification of failure in writing; 2. Discuss with IEC,	 confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment and consider changes of working

Event and Action Plan for Water Quality

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

Event and Action Plan for Dolphin Monitoring

Event	ET Leader	IEC	ER / SOR	Contractor
Action Level	 Repeat statistical data analysis to confirm findings; 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; Identify source(s) of impact; Inform the IEC, ER/SOR and Contractor; Check monitoring data. Review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary. 	 Check monitoring data submitted by ET and Contractor; Discuss monitoring results and findings with the ET and the Contractor. 	 Discuss monitoring with the IEC and any other measures proposed by the ET; 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. 	 Inform the ER/SOR and confirm notification of the non- compliance in writing; Discuss with the ET and the IEC and propose measures to the IEC and the ER/SOR; Implement the agreed measures.
Limit Level	 Repeat statistical data analysis to confirm findings; 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; Identify source(s) of impact; Inform the IEC, ER/SOR and Contractor of findings; Check monitoring data; Repeat review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary; 	 Check monitoring data submitted by ET and Contractor; Discuss monitoring results and findings with the ET and the Contractor; Attend the meeting to discuss with ET, ER/SOR and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures; 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; Supervise / Audit the 	 Attend the meeting to discuss with ET, IEC and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures; 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; Supervise the implementation of additional monitoring 	 Inform the ER/SOR and confirm notification of the non- compliance in writing; Attend the meeting to discuss with ET, IEC and ER/SOR the necessity of additional dolphin monitoring and any other potential mitigation measures; Jointly submit with ET to IEC a proposal of additional dolphin monitoring and/or any other mitigation measures when necessary; Implement the agreed additional dolphin monitoring and/or any other mitigation measures.

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

Event and Action Plan for Mudflat Monitoring

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

Action Plan for Landscape Works

Event	ACTION								
	ET Leader	IEC	SO	Contractor					
Conflicts occur	 Check Contractor's proposed remedial design conforms to the requirements of EP and prepare checking report(s) 	 Check and endorse ET's report(s). Check and certify Contractor's proposed remedial design 	• Supervise the Contractor to carry out the proposed remediation work	 Propose remedial design and carry out the proposed work 					

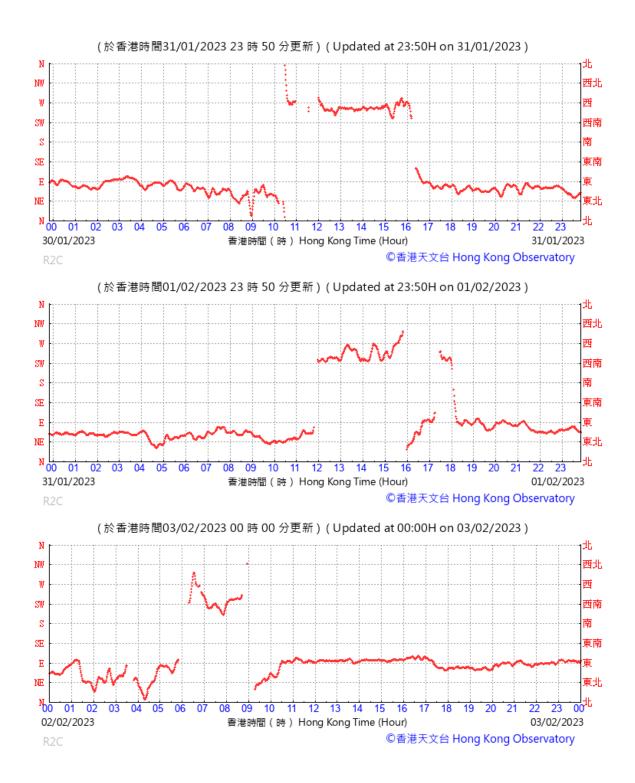


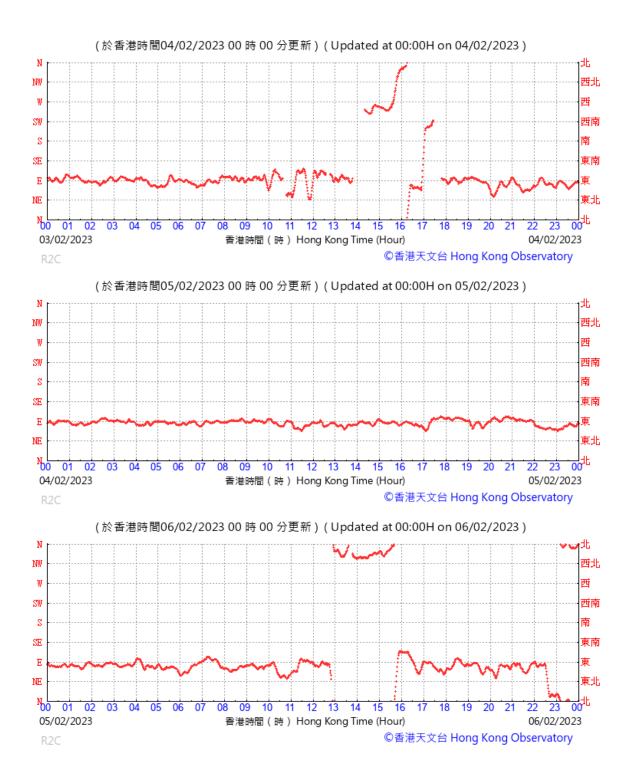
Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 125th Monthly EM&A Report

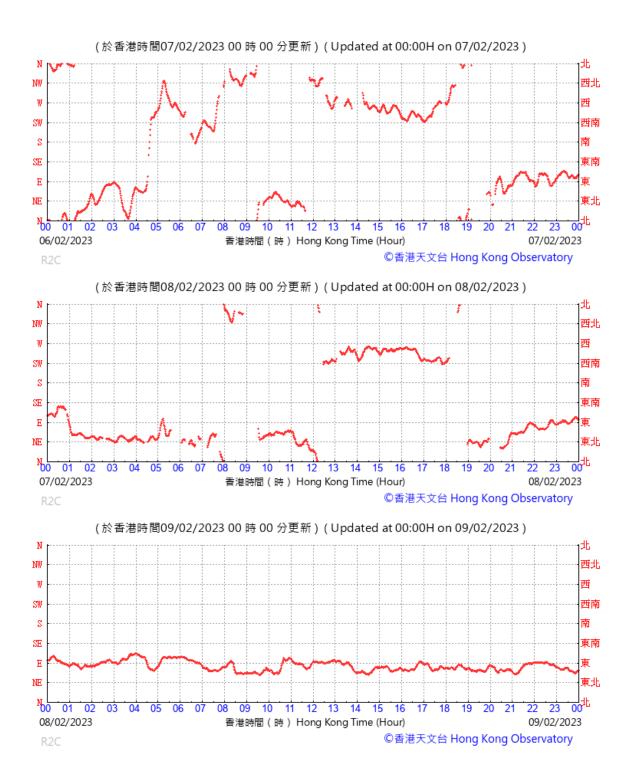
APPENDIX G

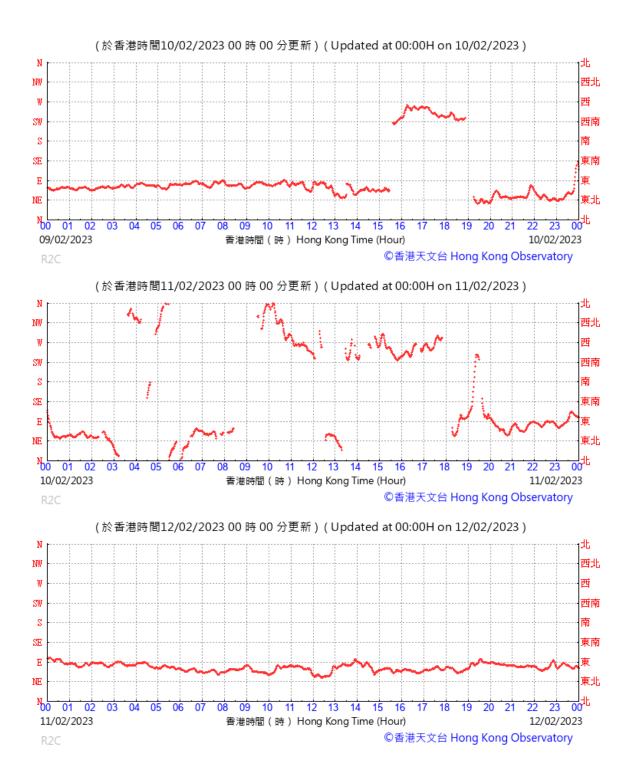
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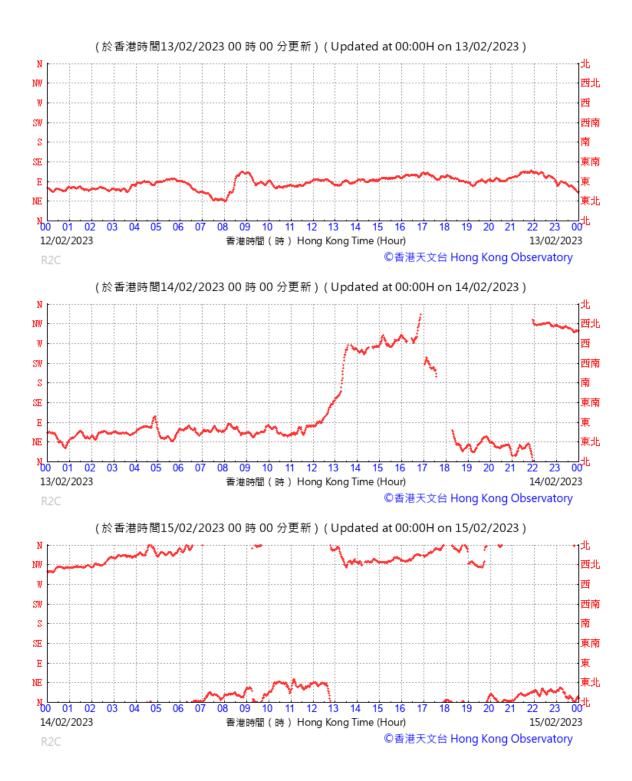


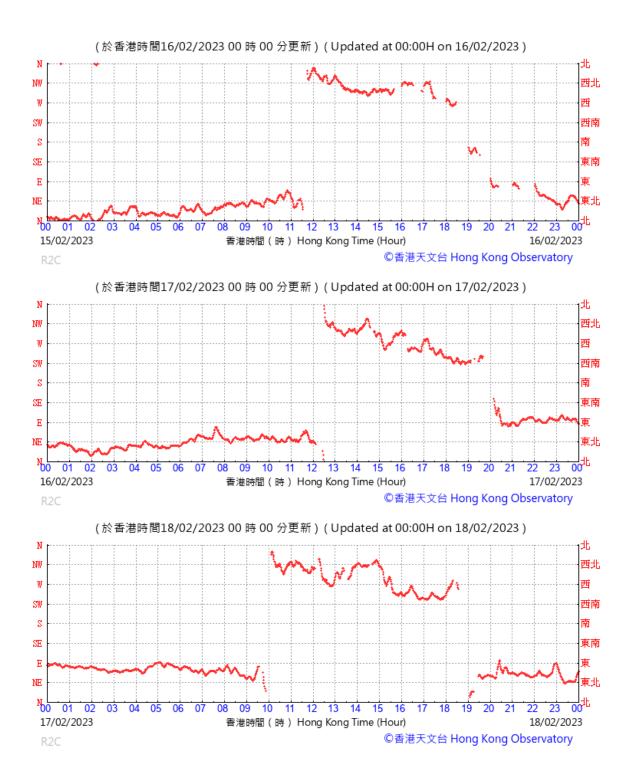


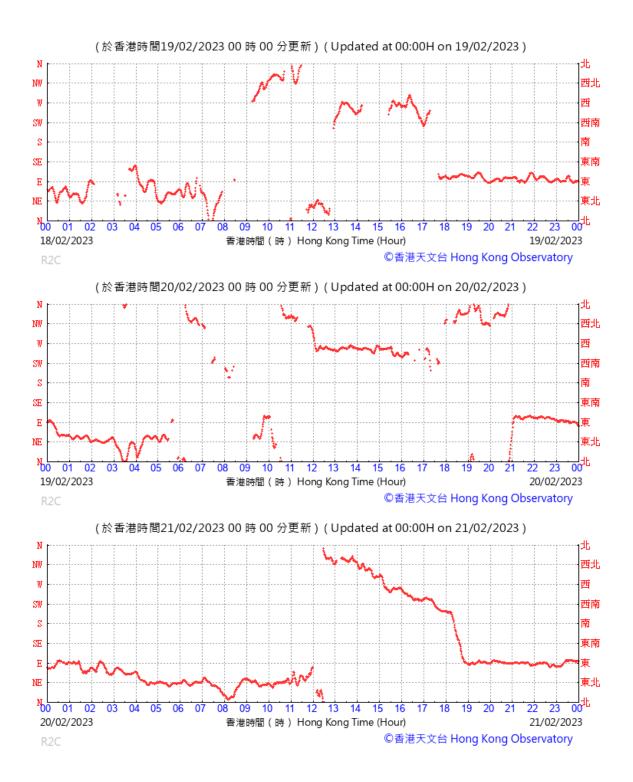


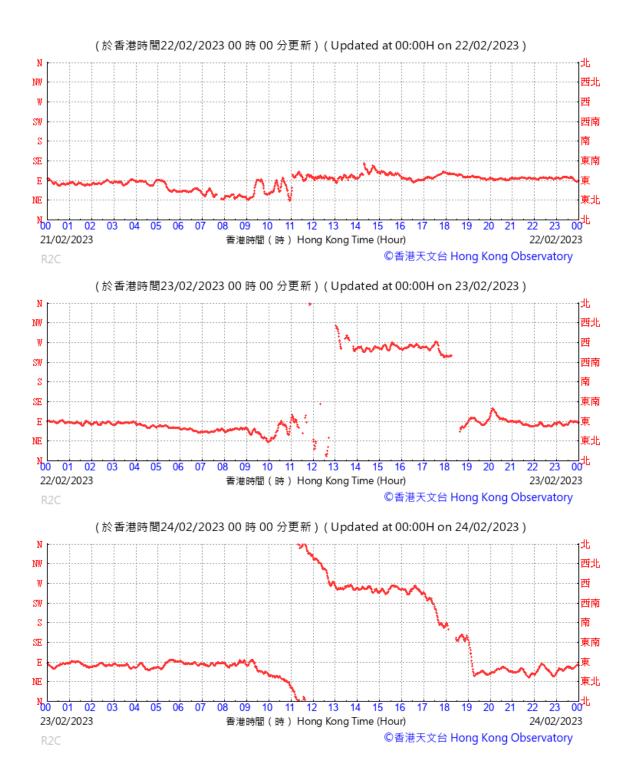


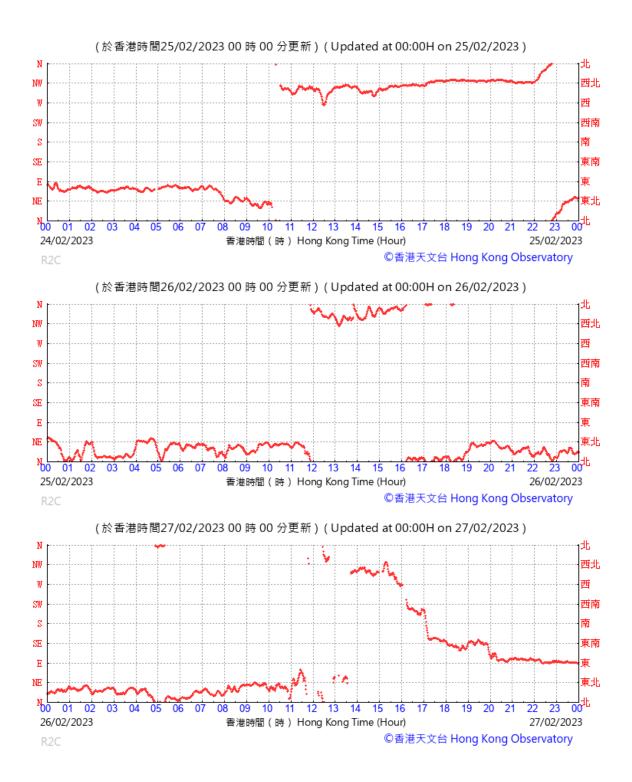


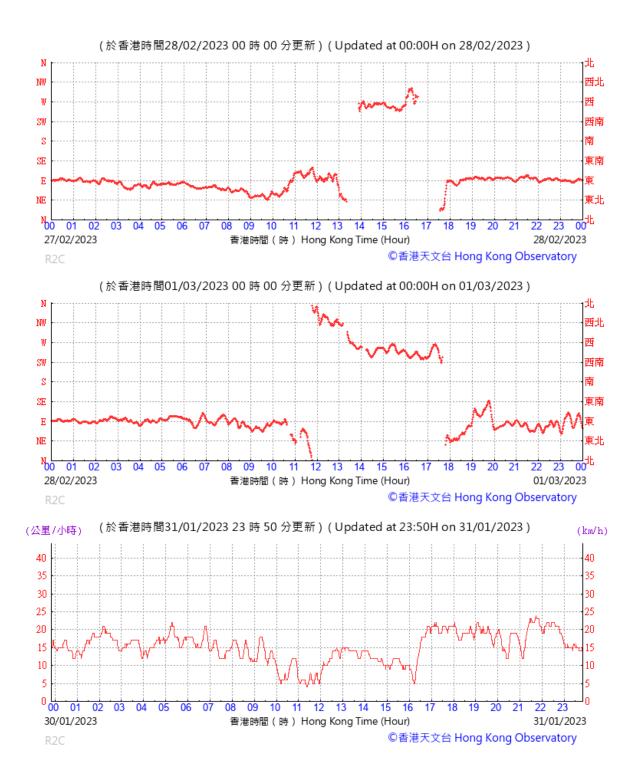


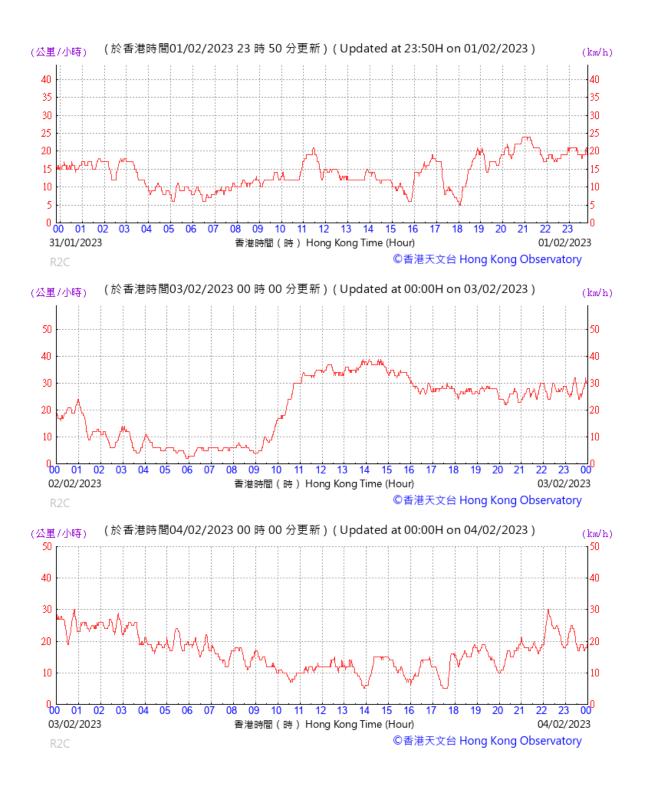


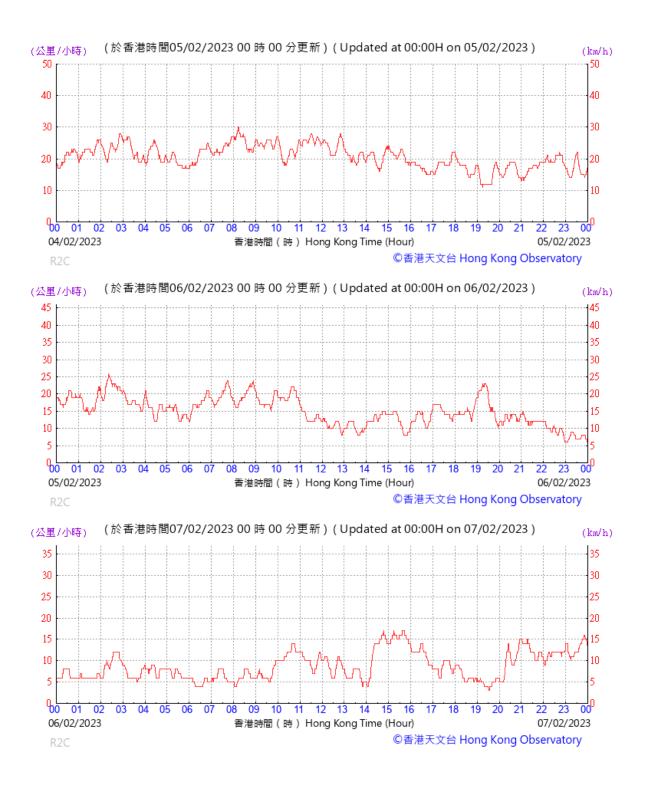


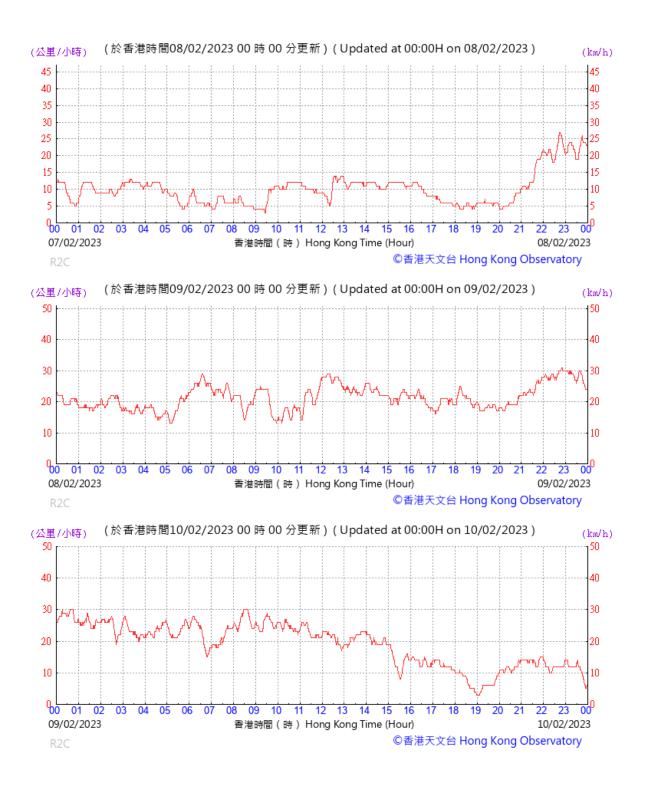


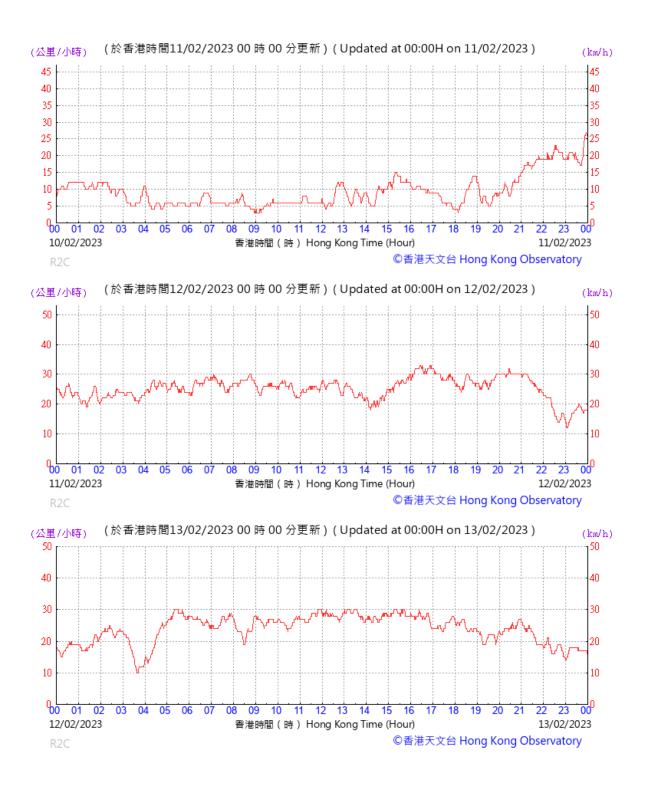


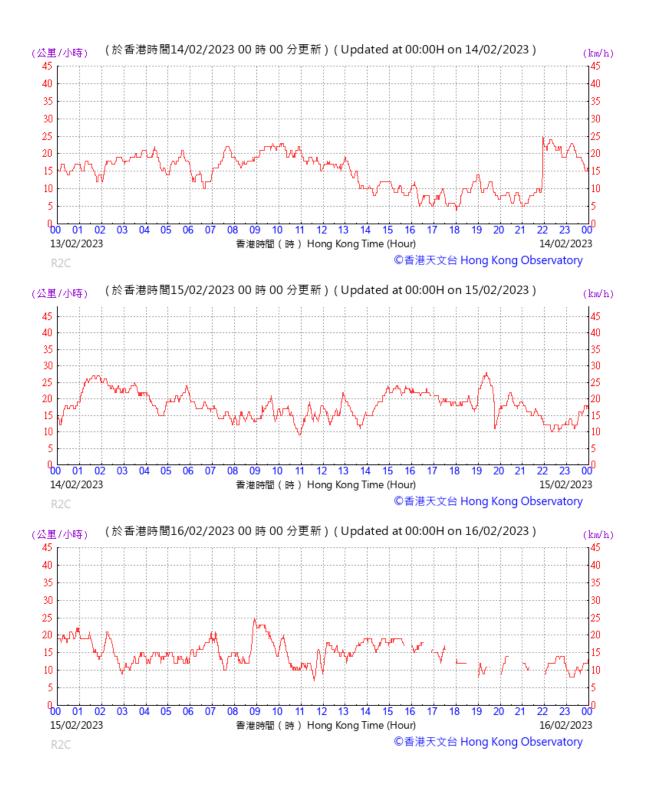


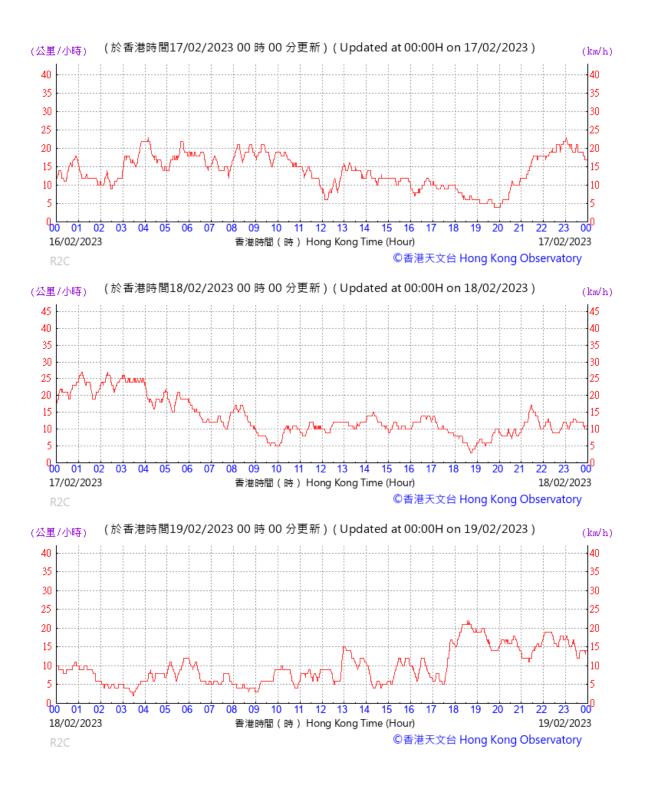


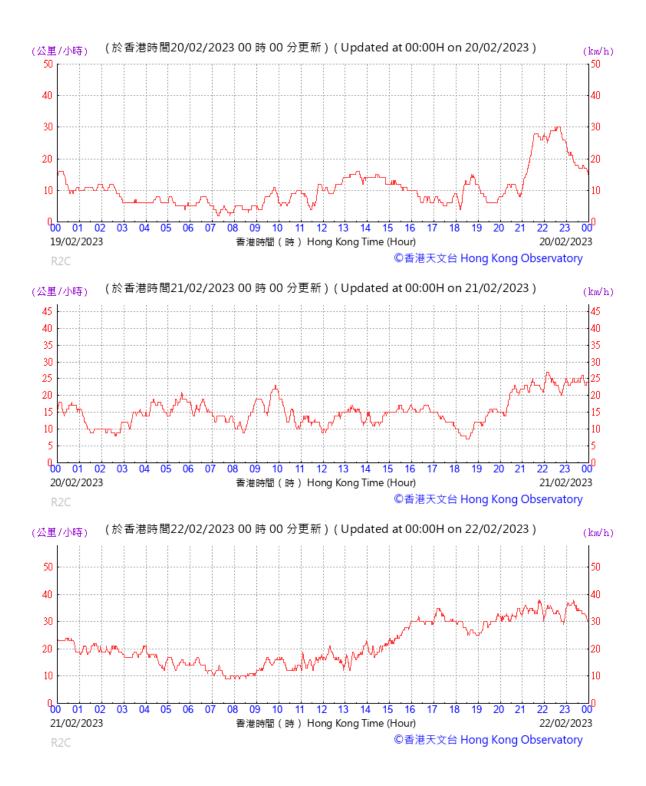


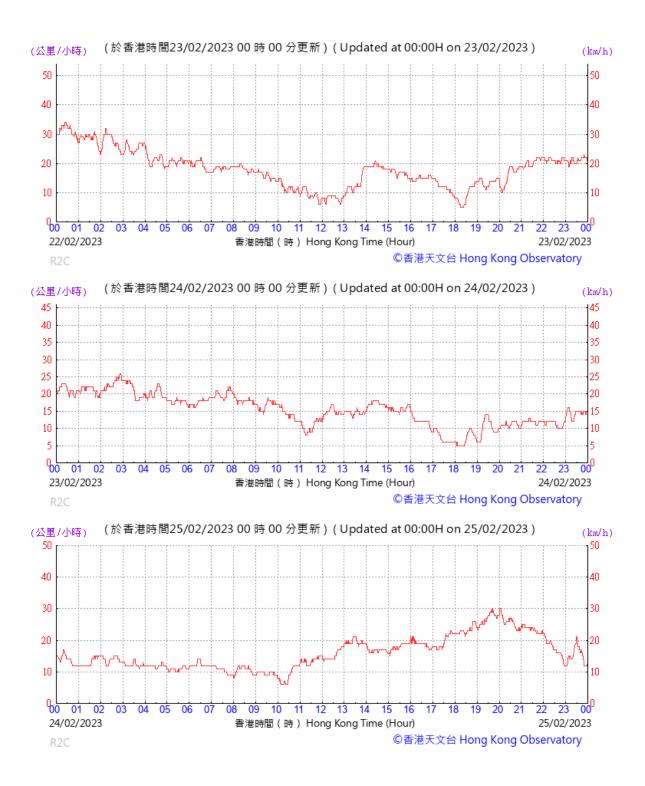


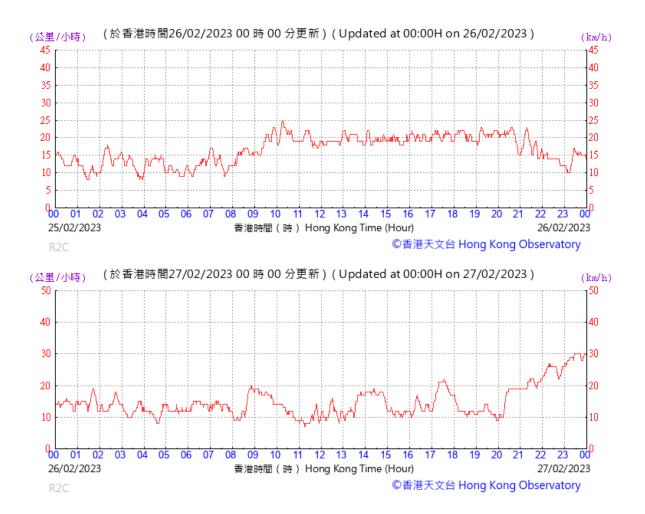


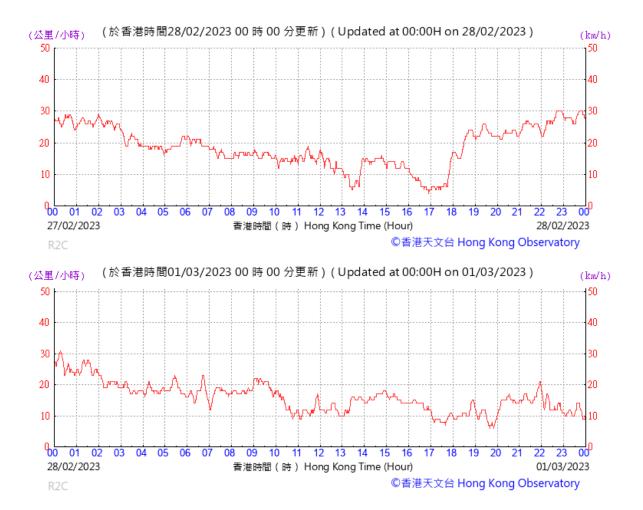














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APPENDIX H

Dolphin Monitoring Results



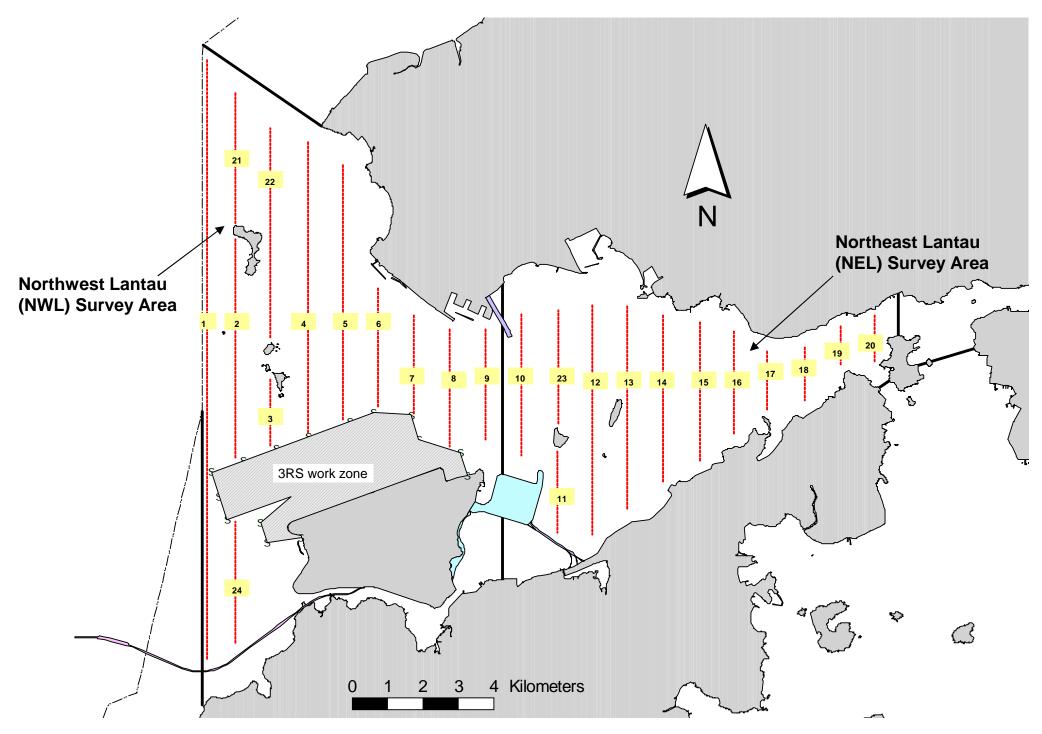


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

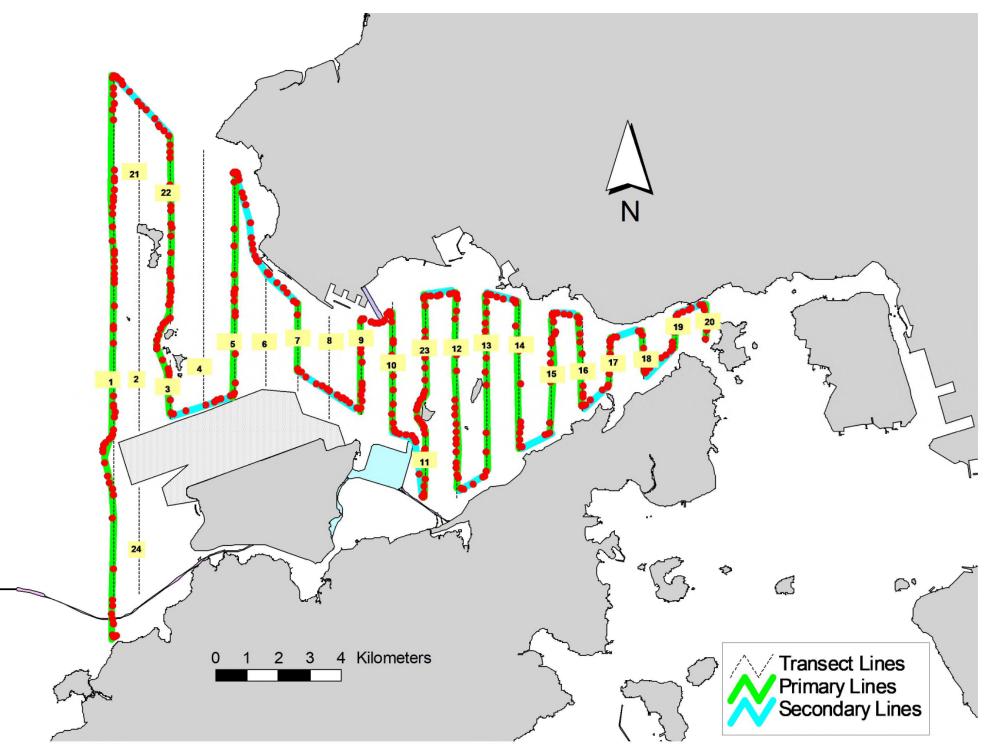


Figure 2. Survey Route on February 3rd, 2023

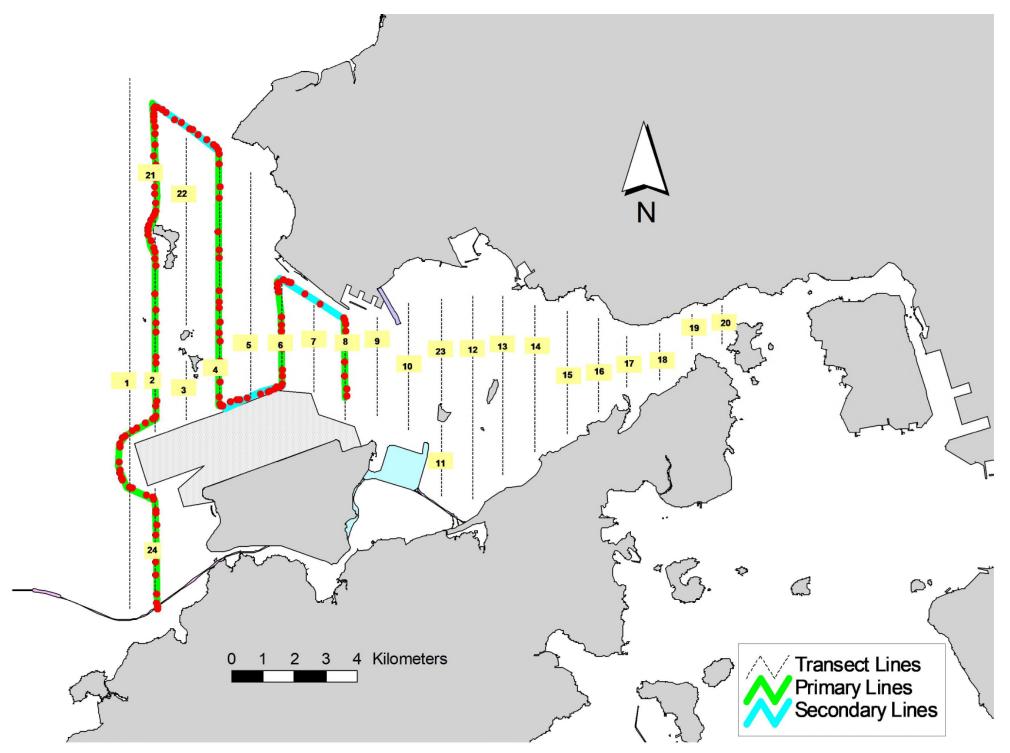


Figure 3. Survey Route on February 8th, 2023

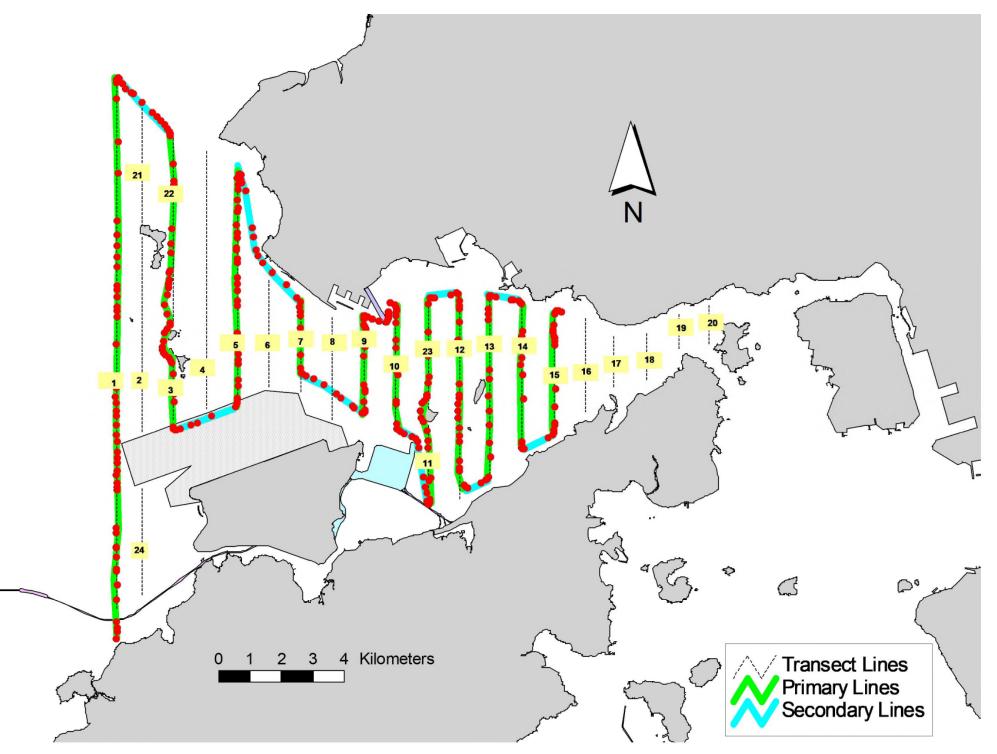


Figure 4. Survey Route on February 14th, 2023

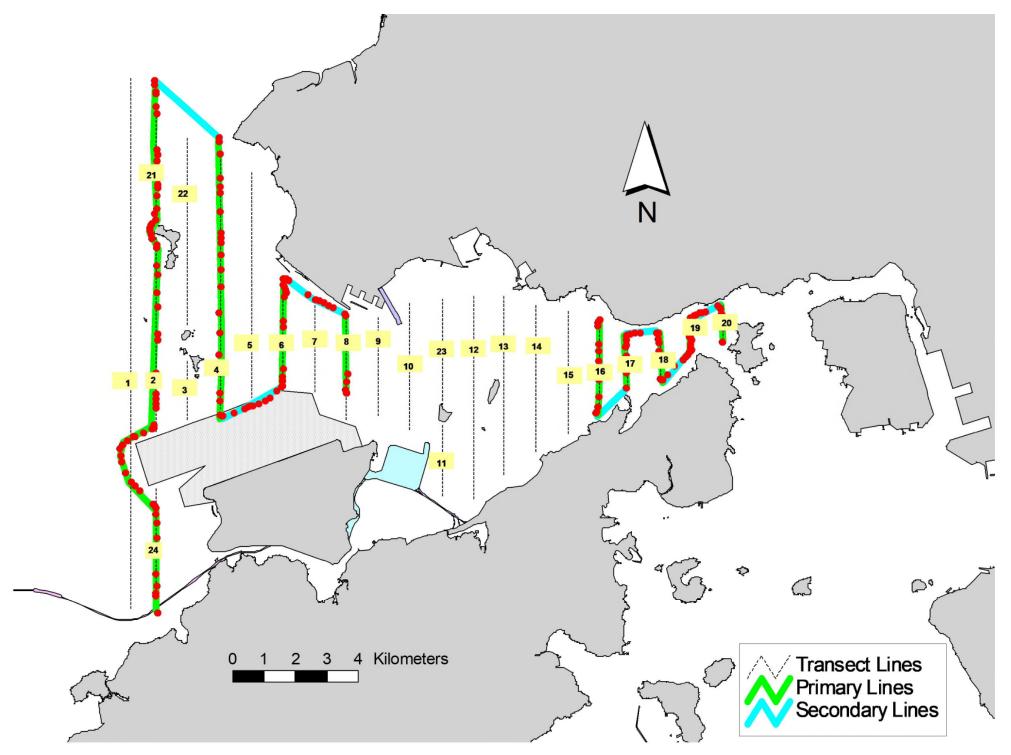


Figure 5. Survey Route on February 16th, 2023

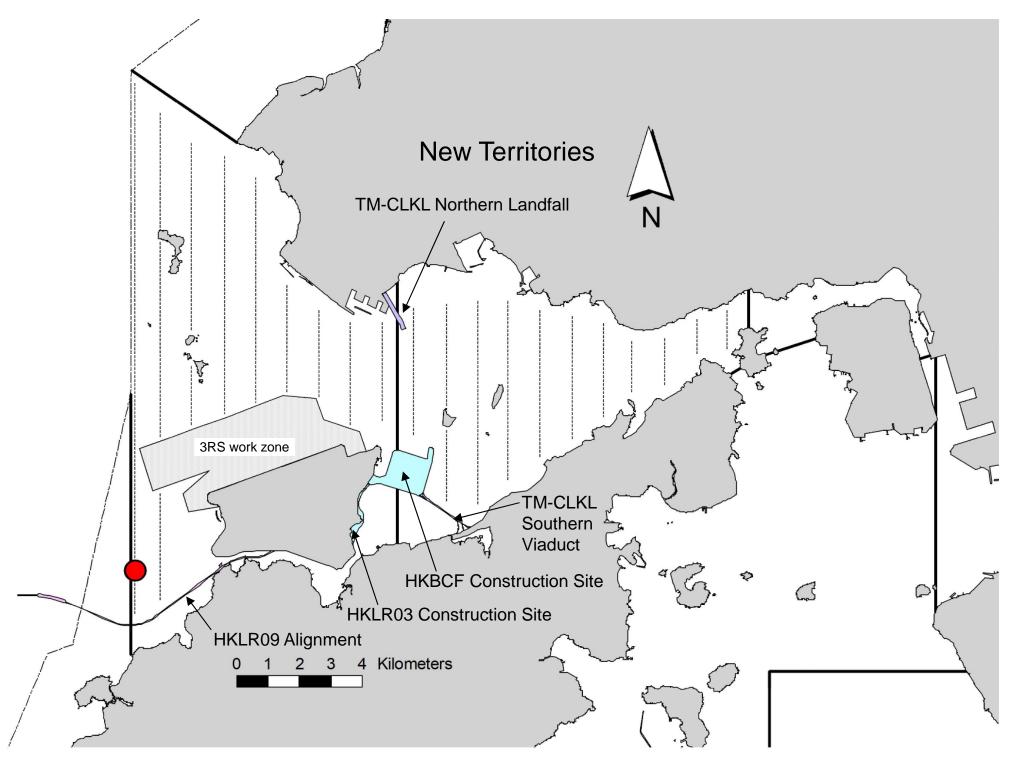


Figure 6. Distribution of Chinese White Dolphin Sightings during February 2023 HKLR03 Monitoring Surveys

Annex I. HKLR03 Survey Effort Database (February 2023)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
3-Feb-23	NW LANTAU	1	6.09	WINTER	STANDARD138716	HKLR	Р
3-Feb-23	NW LANTAU	2	25.49	WINTER	STANDARD138716	HKLR	Р
3-Feb-23	NW LANTAU	3	1.20	WINTER	STANDARD138716	HKLR	Р
3-Feb-23	NW LANTAU	2	11.52	WINTER	STANDARD138716	HKLR	S
3-Feb-23	NW LANTAU	3	4.80	WINTER	STANDARD138716	HKLR	S
3-Feb-23	NE LANTAU	2	32.49	WINTER	STANDARD138716	HKLR	Р
3-Feb-23	NE LANTAU	3	3.30	WINTER	STANDARD138716	HKLR	Р
3-Feb-23	NE LANTAU	2	9.91	WINTER	STANDARD138716	HKLR	S
3-Feb-23	NE LANTAU	3	2.40	WINTER	STANDARD138716	HKLR	S
8-Feb-23	NW LANTAU	2	10.13	WINTER	STANDARD140232	HKLR	Р
8-Feb-23	NW LANTAU	3	15.11	WINTER	STANDARD140232	HKLR	Р
8-Feb-23	NW LANTAU	2	7.66	WINTER	STANDARD140232	HKLR	S
8-Feb-23	NW LANTAU	3	3.70	WINTER	STANDARD140232	HKLR	S
14-Feb-23	NW LANTAU	2	7.25	WINTER	STANDARD36826	HKLR	Р
14-Feb-23	NW LANTAU	3	29.93	WINTER	STANDARD36826	HKLR	Р
14-Feb-23	NW LANTAU	2	6.85	WINTER	STANDARD36826	HKLR	S
14-Feb-23	NW LANTAU	3	6.20	WINTER	STANDARD36826	HKLR	S
14-Feb-23	NE LANTAU	2	24.88	WINTER	STANDARD36826	HKLR	Р
14-Feb-23	NE LANTAU	3	4.00	WINTER	STANDARD36826	HKLR	Р
14-Feb-23	NE LANTAU	2	6.42	WINTER	STANDARD36826	HKLR	S
14-Feb-23	NE LANTAU	3	1.10	WINTER	STANDARD36826	HKLR	S
16-Feb-23	NW LANTAU	2	11.37	WINTER	STANDARD36826	HKLR	Р
16-Feb-23	NW LANTAU	3	15.02	WINTER	STANDARD36826	HKLR	Р
16-Feb-23	NW LANTAU	2	1.20	WINTER	STANDARD36826	HKLR	S
16-Feb-23	NW LANTAU	3	7.51	WINTER	STANDARD36826	HKLR	S
16-Feb-23	NE LANTAU	2	7.99	WINTER	STANDARD36826	HKLR	P
16-Feb-23	NE LANTAU	2	3.24	WINTER	STANDARD36826	HKLR	S

Annex II. HKLR03 Chinese White Dolphin Sighting Database (February 2023)

(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
14-Feb-23	3 1	1020	4	NW LANTAU	3	78	ON	HKLR	816787	804664	WINTER	NONE	Р

Annex III. Individual dolphins identified during HKLR03 monitoring surveys in February 2023

ID#	DATE	STG#	AREA
SL59	14/02/23	1	NW LANTAU
WL307	14/02/23	1	NW LANTAU



Annex IV. Photograph of Identified Individual Dolphins in February 2023 (HKLR03)



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APPENDIX

Waste Flow Table



	Actı	al Quantities	s of Inert C&I	D Materials G	enerated Mo	nthly	Actual	Quantities of Q	C&D Wastes	Generated M	lonthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract <i>(Note 8)</i>	Reused in Other Projects (Note 8)	Disposed as Public Fill (Note 6)	Imported Fill (Note 6)	Metals	Paper / Cardboard Packaging	Plastics (Note 3)	Chemical Waste	Others, e.g. general refuse (Note 8)
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
Jan	8.803	0.000	0.000	8.803	0.000	0.000	0.000	0.000	0.000	0.000	0.020
Feb	11.078	0.000	0.000	11.078	0.000	0.000	0.000	0.000	0.000	0.000	0.007
Mar											
Apr											
May											
Jun											
Sub-total	19.881	0.000	0.000	19.881	0.000	0.000	0.000	0.000	0.000	0.000	0.026
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Sub- total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	19.881	0.000	0.000	19.881	0.000	0.000	0.000	0.000	0.000	0.000	0.026

Monthly Summary Waste Flow Table for 2023

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

Notes: (1) The performance target are given in ER Appendix 8J Clause 14

- (2) The waste flow table shall also include C&D materials that are not specified in the Contract to be imported for use at the Site
- (3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
- (4) The Contractor shall also submit the latest forecast of the amount of C&D materials expected to be generated from the Works, together with a break down of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m³.
- (5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for
- (6) Conversion factors for reporting purpose:

excavated (bulk): rock = 2.0 tonnes/m³; soil = 1.8 tonnes/m³, sand=1.9tonnes/m³ Metal=7.85tonnes/m³

- (7) Numbers are rounded off to the nearest three decimal places
- (8) 30T dump truck carries C&D waste of 8.0m³; 24T dump truck carries C&D waste of 6.5m³



Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 125th Monthly EM&A Report

APPENDIX J

Cumulative Statistics on Complaints



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

Complaint Register

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

COM-2012-010(3)	15-Nov-2012	-	EPD	Environmental (Noise, water quality & air quality)	The complainant has copied his reply from HyD dated 15 Nov 2012 to EPD and Health Department and he further complained on the following issues: • Noise nuisance generated by diesel engine; • Smel of exhaust pipe gas in his residence; and • Suspected marine water pollution (see enclosed photo). The complainant also requested EPD to install noise and air quality monitoring at Le Bleu Deux estate.	WA6 Portion X	Noise from blowing horn from vessels and barges and Metallic Parts thrown on Ground - Reminded the Contractor to request the captains of the vessels and barges not blowing the horn except in case of emergency or prevention of ship collisions/services addety matters; - The supervision teams would enhance theritight control on the vessels and barges working at that location, and monitor the situation and take corresponding actions; and - To enhance the work force of RSS to supervise each step of construction activities and the use of hand tools until the completion of the site office erection. Noise from Engines and Cranes of the Barges during Marine Operation - Installation of noise covers not the enerators / motors on all working barges:	Closed -
COM-2012-010(4)	19-Nov-2012	22:25 hrs.	EPD	Environmental (Air quality and Noise)	The complainant filed again a complaint for the strong exhaust pipe fumes smell coming for the construction site in Tung Chung tonight as well as the extremely high level of noise as at at 10:30 pm (19/11/12).	WA6	Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays.	
COM-2012-010(6)	24-Nov-2012 25-Nov-2012	13:42 hrs. 13:49 hrs 22:02 hrs. 22:06 hrs.	ЕРО (сс tо HyO) ЕРО (сс tо HyO)	Environmental (Air quality and Noise)	The noise is coming for the following sources: - power generator - engines from the barges used for marine operation - noise from the barges used for marine operation - noise from the barges used to transport staff in and out - boats blowing their horn late in the evening and at night Gas emissions: - marine operation The complianment file again a complaint against the strong exhaust pipe emission flowing towards le Bleu Deux estate this afternoon 24/11/10 at 1347. I can assure you that is it not "not that bad" whatever that means for you. And again strong noise of metalling parts being thrown on the ground. I thought you have already sorted out that problem according to your multiple reples to my complaints since July???" A pictures taken this morning (25/11/12) around 9:30am-10am showing the water pollution in different area outside the floating barriers. At 21:56 hrs., boat used by the Highway Department against blew their horn repetitively at close proximity from the residential estate.	WA6 Portion X	Noise from power generators - All generators situlated in front of Le Bieu Deux estate will be sutched off at 19:00 hrs, except two generators will be kept running cup to 22:00hrs and one generator will be kept running compily for maintaining minimum power requirement; and - Arrangement with CLP Power HK Ltd (CLP) for the permanent power supply to the site offices has been chased in a matter of urgency. The use of power generators will be terminated in phase starting from 6 December 2012. Exhaust Fune Emission - Closely monitor the frequency on engine cleansing and replacement of dust filter. Change of Sae Water in Yallow - The Contractor was reminded to move their vessels and barges at areas with adequate water depth as practically as possible.	
COM-2012-012(1)	13-Nov-2012	22:27 hrs.	НуD	Environmental (Noise)	Once again your site continues to work late. The attached photo was taken at 10.15pm on Tuesday 13 Nov. The machinery used on the barges is very noisy. Why do you continue to work III 10pm and why do you work on a Sunday. Surely this is classified as a construction site for which you are in breach of various ordinances. An early reply is appreciated.	Portion X	The following further mitigation measures during the course of the reclamation works will be taken: Installation of noise covers onto the generators / motors on all working barges; Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at nighttime and Sundays.	Closed -
COM-2013-015	17-Jan-2013	-	EPD	Environmental (Air)	The complainant raised that construction dust was arising from construction site of China State Contruction Engineering (Hong Kong) Ltd near Siu Ho Wan Sewage Treatment Works due to insufficient dust suppression and inadequate wheel washing.	WA3	The Contractor of HY/2011/03 would take the following actions with immediate effect. To ensure no loosed earth material exposed at the edges of eth stockpiled earth materials i.e. to prevent erosion by wind and water ; To cover the stockpiled earth material by adequate trapalitin; To anhance the frequency of watering (3 times per day) onto existing haul road and other area as appropriate; and To install a water spinkler system to enhance the existing dust suppression measures once the water point is ready for water supply by WSD.	Closed

COM-2013-016	18-Jan-2013	-	EPD	Environmental (Water)	The complainant advised that turbid water and concrete/cement has been arising from the Hong Kong-Zhuhai-Macao Bridge Hong Kong Projects to marine water. The complainant did not specify the soure of the turbid water and concrete/cement.	N/A	-	Closed	-
COM-2013-018	02-Mar-2013	-	HyD	Environmental (Noise)	The complainant advised that "It seems that the Contractor's cranes operating on the barges are again in need of bit of lubricant, as this evening i.e. 2 March 2013, the cranes are again polluting the neighborhood with inclorable noise." The complainant requested Mr. Ng from EPD to take note of this complaint and expected a detailed report.	Portion X	The Contractor has been reminded to continue the process of applying lubricant/ grease to all barges which are to be worked in the site area near Le Bleu Deux.	Closed	-
COM-2013-018 (2)	04-Mar-2013	-	EPD	Environmental (Noise)	The complainant complained that the cranes operating on the barges for the HZMB HK project generating squeak noise in the evening of 1 March 2013 causing an annoyance to him/her.	Portion X	The Contractor implemented the following measures :	Closed	-
COM-2013-018 (3)	13-Mar-2013	-	HyD	Environmental (Noise)	The complainant asked what noise mitigation the Contractor was taking. The complainant pointed out that the noise in question was so strong that it woke up his baby gif.	Portion X	-	Closed	-
COM-2013-018 (4)	22-Mar-2013	14:19 hrs	HyD	Environmental (Noise)	The complainant complained that "the lifting appliance was operated gently and softly to keep the noise emission as low as possible" but the noise still woke up his baby. "Lubricant was regularly applied to smoothen all moving parts and gear wheels of the working barges" that did not seem to be the case at all	Portion X	The Contractor will keep on closely monitoring the situation and carry out the necessary noise mitigation measures while barges are working in the site area nearby residential area.	Closed	-
	24-Mar-2013	10:28 hrs							
COM-2013-018 (5)	31-Mar-2013	10:25 hrs	HyD	Environmental (Noise)	The complainant complained that noise emitted from a crane at 10:19 hrs. The complainant further complained that noise was generated from a barge at 07:30 hrs.	Portion Y	-	Closed	-
	1-Apr-2013	10:32 hrs							
COM-2013-018 (6), (7) & (9)	15-Apr-2013	15:41 hrs	EPD	Environmental (Noise)	The complainant complained that machinery noise generated from the construction site near Tung Chung Development Pier operating for the Hong Kong-Zhuhai-Macao Bridge Hong Kong during the normal working hours on 6 April 2013 and 13 April 2013 and the late evening of 10 April 2013 causing nuisance to public.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours and non-restricted hours, the Contractor has implemented the following additional measures: - Briefing given to the operator of the barges for proper operation of marine vessels; - Operating barges by experienced operators only; - Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to minimize squeak noise; - Install noise covers onto noise quipment where practicable. - Remind subcontractor only well-maintained plant should be operated on-site. - Minimized the quantiles of plant used after 7 ma s far as practicable; - Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and - Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time.	Closed	-

COM-2013-018 (11)	28-Apr-2013	15:44	EPD	Environmental	The complainant complained that machinery noise generated from the reclamation site near Tung Chung Development Pier	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours.	Closed	
com-2013/018 (11)	2079-2010			(Noise)	at around 22:00 of 28 April 2013 causing nuisance to public.		To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: = briefing given to the operator of the barges for proper operation of marine vessels; = Operating barge by experienced operators only; = Aperating barge by experienced operators only; = Aperating barge by experienced operators only; = Install noise corers onto noisy equipment where practicable. = Neamind subcontractor only well-maintained plant should be operated on-site. = Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and = Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time.	unaat	
COM-2013-022	08-Apr-2013	-	EPD	Environmental (Water)	The complaint alleged that oil was dumped from various vessels operating for HZMB HK projects near Tung Chung Development Pier over the past few months. Photos were provided by the complainant.	Portion X	The Contractor has checked the photos provided by the complianant and confirmed that the vessels and boats shown in the photos do not belong to Contract No. HY201103.As this compliant is not related to this Contract, no. HY201103.As this compliant is not related to this Contract, no. HY201103.As this compliant is not related to this Contract, no. HY201103.As this compliant is not related to this Contract, no. HY201103.As this compliant is not related to this Contract, no. HY201103.As this compliant is not related to this Contract, no follow up actions is required. The Contractor has reminded their subcontractors to implement the measures recommended in the Spill Response Plan (SRP) in case of accidental release of oils from vessel.	Closed	-
COM-2013-022(2)	23-May-2013	09:15 hrs	EPD	Environmental (Water)	This complaint was a follow-up of a previous complaint received by EPD on 8 April 2013 regarding oil slicks caused by vessels. It was alleged that oil was still being dumped from various vessels operating for HZMB HK projects near Tung Chung Development Fier over the past few months. On the other hand, the complainant would also like to know whether the owners of the vessels could present engine oil disposal records for the vessels which supported the HZMB project.	Portion X	The Contractor has reminded their subcontractors to implement the measures recommended in the Spill Response Plan in case of accidental release of oils from vessel and handle the chemical waste (waste oil) in accordance with the requirements provided in the EM&A Manual.	Closed	-
COM-2013-023	02-May-2013	-	HyD	Environmental (Noise)	The complainant alleged that there were metal parts dropped on the ground creating noise at 12:58 on 1 May 2013	WA6	If there are metal handling works, the Contractor will not carry out the metal handling works in early morning in order to minimize potential noise disturbance as far as practicable in future.	Closed	-
COM-2013-024	23-May-2013	09:50 hrs	EPD	Environmental (Noise)	A complaint was received on 23 May 2013 regarding noise generated from dropping metal parts on numerous occasion on the pier opposite Le Blau Deux at around 08:45 to 10:00 hrs of 18 May 2013 and leading/unloading activities creating noise disturbance by the contractor of HY/2011/03.	WA6	If there are metal handling works, the Contractor will not carry out the metal handling works in early morning in order to minimize potential noise disturbance as far as practicable in future.	Closed	-
COM-2013-027	29-Jun-2013	10:02 hrs	RSS	Environmental (Noise)	A complaint was received on 29 June 2013 regarding noise generated from the works area near the site office (WA6) around 10:00 hrs on 29 June 2013	WA6	The Contractor was recommended to minimize the potential noise impacts generated from the construction sites as far as practicable in future.	Closed	-
COM-2013-033	13-Sep-2013	Around 22:00 hrs	RSS	Environmental (Noise)	A complaint was received regarding the noise nuisance from barge at about 22:20 hrs on 13 September 2013 and 02:30 hrs on 14 September 2013.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - Minimized the quantities of plant used after 7pm as far as practicable; and - Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time.	Closed	-
COM-2013-034	17-Sep-2013	-	HyD	Environmental (Noise)	A complaint was received on 17 September 2013 regarding the noise nuisance from tree transplanting activities in the morning of 14 September 2013.	Portion Y	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: Minimized the quantities of plant used after 7pm as far as practicable; and Pender and/en under hours (in plant used after 7pm as gate and with off after and under participation and plants at sight time.	Closed	-
COM-2013-037	8-Oct-2013 9- Oct-2013 16- Oct-2013	-	Supervising Officer's Representative	Environmental (Noise)	The complainant complained the noise from barge operation from 21:30 to 22:30 hrs on 4 October 2013. The complainant complained that several loud bargs were heard starting from 21:00 hrs on 7 October 2013. The complainant complained that it was very noisy at the noon of 14 October 2013.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: minimize the quantities of plant used during restricted hours as far as practicable; and -regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted hours.	Closed	-
	1		1	1					1

COM-2013-041	31-Oct-2013	21:52 hrs	EPD	Environmental (Noise)	A complaint was received on 31 October 2013 regarding the noise generated from a barge being moved by a tug boat in the morning of 31 October 2013 (around 05:55).	N/A	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - minimize the quantities of plant used during restricted hours as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during the night- time and early morning period (7pm to 7am).	Closed	-
COM-2013-043	11-Nov-2013		EPD	Environmental (Noise)	A complaint was received on 11 November 2013 regarding a barge moving through the southern channel of HyD's construction site after 23:00 hrs on 8 November 2013.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To mimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - mimize the quantities of plant used during restricted hours as far as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted hours.	Closed	-
COM-2013-045	27-Dec-2013	-	HyD	Environmental (Noise)	A complaint was received on 27 December 2013 regarding barges operating at the south channel of Portion X in the afternoon of 26 December 2013.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - minimize the quantities of plant used during restricted hours as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted hours.	Closed	-
COM-2014-046	16-Jan-2014	17:22 hrs	HyD	Environmental (Air Quality)	A complaint was received on 16 January 2014 regarding heavy exhausts generated at around 8 a.m. and 10 a.m. over past few months and or even midnight.	N/A	The Contractor has implemented the following measure to minimize exhaust fumes generated from machinery: - Maintenance for the all machinery regularly.	Closed	-
COM-2014-048	18-Jan-2014	-	EPD	Environmental (Other: Blackish mud)	A complaint was received on 18 January 2014 regarding blackish mud along the edge of the construction site of Hong Kong- Zhuhai-Macao Bridge Hong Kong Project near the airport in the morning of 18 January 2014.	Portion X	Based on the investigation results, it is considered that the blackish mud raised in the complaint was not related to HKLR03 Contract. In this case, no follow up action is required.	Closed	-
COM-2014-050	24-Mar-2014		EPD	Environmental (Other: Dredged Marine Sediment)	A complaint was received by EPD on 24 March 2014. The complainant advised that there was dredged material found being mixed with soil in the construction site of Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Project in the vicinity of CAD headquarters and transported out of the site. The complainant suspected that there was improper disposal of dredged marine sediment.		Based on the investigation results, it is considered that the complaint is invalid. In this case, no follow up action is required.	Closed	-
COM-2014-051	29-Apr-2014	-	SOR	Environmental	A complaint was received on 29 April 2014 regarding loud bang coming from the site at 21:37 hrs on 28 April 2014.	Portion X	Based on the Contractor's site dairy and our investigation, no non-compliance was identified.	Closed	-
COM-2014-053	02-May-2014		EPD	(Noise) Environmental (Noise)	A complaint was received by EPD on 1 May 2014. The complainant advised that there was noise nuisance arising during the evening of 1 May 2014.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - minimize the quantities of plant used during restricted hours as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours.	Closed	-
COM-2014-063	03-Dec-14		Arup	Environmental (Noise)	According to Anup's email to CSCE and DCVJV on 3 December 2014, "A resident living in Le Bleu Duex addressed a complaint to CE of HyD at about 20.04 hrs last night. He complained about the noise nuisance coming from site diffice since 19.30 hrs last night, epetitively metal parts had been dropped on the ground by people who seem to be loading or unloading a boat at the pier. Noise was still going on right now at 20.04."	WA6	Based on the investigation results, it is found that the noise complaint is not related to Contract No. HY/2011/03. In this case, no follow up action is required.	Closed	-

COM-2014-065	24-Dec-14	Nil	EPD	Environmental (Water Qulity)	A complaint was received on 24 December 2014 regarding the increase of marine refuse (water bottles and debris) along the shore from Yat Tung to Tai O, where the complainant considered might be in relation to the HZMB project(s).	Portion X	Based on the investigation results, it is considered that the complaint is unlikely related to HKLR03 Contract. Nevertheless, the Contractor is reminded to implement all recommended mitigation measures for waste management and avoid dumping rubbish into the sea.	Closed	-
COM-2015-066	08-Apr-15	Nil	EPD (An email forwarded by Arup)	Environmental (Dust)	According to Arup's email to CSCE on 8 April 2015, the ET was informed that a complaint had been received by EPD at about 18:29 hrs on 2 Apr 2015 regarding construction dust from construction site (\$15) at Kwo Lo Wan Road, Tung Chung.*	S15	Based on the Contractor's information and our investigation, no non-compliance was identified. The Contractor is reminded to continuously implement the dust suppression measures to minimize potential dust impact.	Closed	-
COM-2015-068	10-Apr-15	Nil	EPD (An email forwarded by Arup)	Environmental (Noise)	According to Arup's email to CSCE on 10 April 2015, it is noted that EPD received a noise complaint from a resident of Caribbean Coast. According to the complainant, he was disturbed by noise from construction activities of the HZMB Project during weekends and holidays. The complainant was referring to those activities carried out between Scenic Hill and HKBCF because the complainant mentioned the contractor was China State.	N/A	Based on the information provided and our investigation, the Contractor had complied with the conditions laid down in Construction Noise Permit (CNP) Nos. GW-RS0113-15 and GW-RS036F15. Hence, no non-compliance was identified. The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours and recommended to implement the following measures to minimize the potential noise impact during restricted hours: minimize the quantiles of plant used during restricted hours as far as practicable, and regular review of working duriation for restricted hours and so which off all unnecessary	Closed	-
COM-2015-074	16-Jul-15	Nil	EPD	Environmental (Wastewater)	According to EPD's email to Highways Department, ET, SOR and ENPO, a complaint was received on 16 July 2015 regarding wastewater splashing from vehicles to pedestrian at Tung Fai Road. The complainant complained that wastewater was splashed to people waiting at the bus stop near Civil Aviation Department Headquarters Office Building when vehicles leaving the HZMB site to Tung Fai Road.	Tung Fai Road	mediation and data drained before the second that the complaint is unlikely related to HKLR03 Contract. The Contractor has been reminded to slow down their vehicles when leaving the concerned construction site.	Closed	-
COM-2015-076	17-Jul-15	Nil	EPD (An email forwarded by ENPO)	Environmental (Noise)	According to EPD's email to ENPO on 17 July 2015, it is noted that EPD received a noise complaint from public. The complainant said that he/she was disturbed by the noise generated from construction sites of the HZMB Project during the daytime period of past few Sundays. Attenvands, EPD contacted the complainant and confirmed that the noise was generated from construction sites along Kwo Lo Wan Road and signs of "China State Construction Engineering (HK) Ltd" were noted.	Kwo Lo War Road	Based on the information provided and our investigation, the Contractor compiled with the conditions laid down in Construction Noise Permit (CXPP) Nos. GW-R50733-15 and GW-R50740-15 and no noncompliance was found. The Contractor has been reminded to comply with CXPP conditions for construction works undertaken during restricted hours and recommended to implement the following measures to minimize the potential noise impact during restricted hours: - minimize the quantities of plant used during restricted hours are a practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours.	Closed	-
COM-2015-079	07-Dec-15	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Water Quality)	According to ENPO's email to SOR and ET on 7 December 2015, a complaint was received by EPD on 2 December 2015 regarding water quality near HKLR work site. The complainant mentioned that 'I moved for Tung Chung since July and it was the second time Is as winlined situation polluting the sea. Last time it was even versors in red colour. Please look into this matter and let me know what was being dropped into the sea and whether it was hexardous to the sea.' EPD has contactled the complianent and obtained the additional information from the complianant. EPD suspected that the incident happened in the afternoon on 28 November 2015.		According to the information provided by the Contractor; the derick barge belongs to Contract No. HV/2011/03. The concerned sediment plume was likely to be caused by stirring up of much in the seabed by the derick barge sailed at the navigation channel situated at shallow water zone where the water depth ranging from 325m – 375m. Public fill materials were placed on the derick barge. The barge was in good conditions with no materials being duringed into the sea. The Contractor has been implementing the mitigation measure as specified in the implementation Schedule of Evinormental Miligation Measures that is all vessels to be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the lide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. The Contractor is recommended to arrange vessels to move out of the site area during high tide to avoid the disturbance to the seabed as far as practicable and deploy marine vessels effectively in order to minimize the number of trips and disturbance to soabed in shallow waters.	Closed	-
COM-2016-087	28-Jun-16	Nil	EPD	Environmental (Water Quality)		N/A	The Contractor has designated competent persons to operate, check and maintain individual wastewater treatment plant as an existing control measures. In case of breakdown of wastewater treatment plants, no discharge of wastewater will be allowed until repair is completed to resume the normal operation of the treatment plant. Specific toolkov, /refershment training trainings have been providing for the staff and workers for each of the wastewater treatment plants. The Contractor has been reminded to implement the above control measures and ensure no untreated wastewater will be discharged into open channel.	Closed	-
COM-2016-098	11-Nov-16	16:33	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Water Quality)	According to ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 11 November 2016, it is noted that EDP rotexived a compliant logided by a member of the public regarding sediment plume generated by a vessel named "Reisting Officer's Representative and "Reisting from construction site of Hong Kong-Zhuhai- Macso Bridge near Scenic Hill to Tung Chung New Development Ferry Pier.	Portion X	The Contractor has been reminded to schedule the vessel to move in / out of the construction site during higher tide and minimize number of trips to avoid the stirring up of the sealer duri with the vessel travelling in yor shallow water areas as much as practicable. Also, the Contractor was reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule (EMIS).	Closed	-
COM-2016-099	02-Dec-16	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Other: Slurry on public road)		East Coast Road	During the weekly site inspection undertaken on 7 December 2016, no slurry was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY201103. The Contractor has constructed wheel washing facilities at lite site accesses, including the one near the site access of China Harbour Engineering Company limited next to the Marriot Hotel (which is believed to be the hotel mentioned by the complainant), to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or other debris would be trought to the public area. In addition, regular watering is conducted by water truck at least twice per day at the section of East Coast Road adjoining the site boundary of Contract No. HY/201103. Notwithstanding that, the Contractor has been reminded to clean wheels and body of vehicles as usual before allowing them to leave to construction site.	Closed	-
COM-2016-100	14-Dec-16	Nil	ENPO (Contract No. HY/2010/02 project team received an environmental complaint referred by Government's hotline (1822) on 2 December 2016. ENPO forwarded the Complaint to Contract No. HY/2011/03.)	Environmental (Other: mud/ derbris on public road)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 14 December 2016 that EPD neceived a compliant lodged by a member of the public regarding muld/debris on public read. The complianted multi-whole stretch of East Coast Read & Tung Fai Read is truly disguisting. The stone debris big and small and the mud is a nuisance to those who use the read every day. When dry there is a lot of dust and when it rains or when the read washing trucks are out theorems a muddy mess. Cars and pedestrins are covered in dust or mud, cars are hit by stones is a daily hazard. Washing of construction vehicles is inadequate as the sand and soil is carried out onto the read washing trucks are out theorems a muddy multiple to the Airport Authority. An alternative route should be created for the large number of construction vehicles as they drive fast.*.	East Coast Road and Tung Fai Road	During the ET's inspection on 7 December 2016 (weekly routine inspection) and 16 December 2016, no mud or debris was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 as well as the section of Tup Fai Road leading to the site access of Contract No. HY/2011/03. The Contractor provided wheel washing facilities at all the site accesses, including the one accessing East Coast Road and the one accessing Tung Fai Road, to wash and clean all vehicles bere allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. It was observed that the areas of the wheel washing facilities and the respective road section between the wheel washing facilities and the site accesses of East Coastal Road and of Tung Fai Road were payed with concrete. High pressure jets were also provided at the wheel washing facilities for cleaning of whicles before the vehicles were allowed to leave the construction site. In addition, regular watering at the section of East Coast Road adjoing the site boundary of Contract No. HY/2011/03. Nevert Tubes conducted by water trucks at least twice per day to minimize dust emission. Based on our investigation result, it is considered that the complaint is unlikely related to Contract No. HY/201103. Nevthistanding that, the Contractor has been reminded to clean the wheels and body of vehicles as usual before allowing them to leave construction site.	Closed	
COM-2016-103	14-Dec-16	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Noise)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 14 December 2016 that EPD received a noise complaint lodged by a member of public. The complaint was about hammening noise generated from construction lists at minicipli in the past month. The complaint could not identify the source but suspected that the noise was generated from HZMB Project. It was also noted from ENPO's email on 21 December 2016 that EPD supplemented that the complainant lives in Seaviev Crescent. The complainant sometimes heard noise created by impacting metals or metal/ground, particularly in December 2016.	N/A	The Contractor confirmed that no hammering works was conducted and no impact noise was generated at midnight in November 2016 and December 2016. The Contractor complied with the conditions laid down CNP No. GW-RS740-16 and no non-compliance was found. Based on our investigation result, it is considered that the compliant is unlikely related to Contract No. HY201103. In this case, no follow up action is required. However, the Contractor has been reminded to comply with the conditions stipulated in the Construction Notes Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours as trans practicable; - regularly review the working duration for restricted hours works; and - switch off all unnecessary machinery and plant during restricted hours.	Closed	

COM-2017-104	09-Jan-17	Nil	IEC (EPD referred the email from Complainant to IEC)	(Other: Cleanlines problem at East Coast Road and Tung Fai Road)		East Coast Road and Tung Fai Road	During the ET's inspection on 10 January 2017, it was observed that the Contractor provided wheel washing facilities at the site accesses, including the one accessing East Coast Road and the one accessing Tung Fal Road, to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. No mud was observed at the section of Tung Fal Road leaves the the site access of Contract No. HY201103. However, some mud was observed at the section of Tung Fal Road leaves the the site access of Contract No. HY201103. However, some mud was observed at the section of Tung Fal Road leaves the the site access of Contract No. HY201103. However, some mud was observed at the section of Tung Fal Road leaves the compliant is related to Contract No. HY201103. However, some mud was observed at the section of Tung Fal Road leaves the compliant is related to Contract No. HY201103. The Contract No. HY201103. However, some mud was observed at the section of Tung Fal Road leaves the compliant is related to Contract No. HY201103. However, we construction site. Road severe will be reminded to clean the wheels and body of whicks as usual before allowing them to leave construction site. Road severe will be fragilitated to Contract No. HY201103. However, we have been reminded to clean the wheels and body of whicks as usual before allowing them the contract No. HY201103 receives undirectional flow of surface numer from the fast Coast Road will be remover the deposited mud underneath the vater-filled barrier to facilitate the road-washing the site boundary of HY201103. Hy201103 receives undirectional flow of surface will be implemented to enhance dust suppression: 1. Stockpile along East Coast Road will be reduced in height and compacted as far as practicable 2. Haur road will be demarcated to prevent vehicles from grain from non-wetted surface. 3. Site access S16 will be thoroughly cleaned and all vehicles will be stopped for second washing after being washed in t	Closed	
COM-2017-108	23 February 2017 and 2 March 2017	Nil	Airport Authority Hong Kong (AAHK) via SOR / Referred to ENPO by HyD	Environmental (Air quality, Wate quality and Other Cleanliness problem at East Coast Road)	AHIK stated in their email to SOR on 25 February 2017 that there was sand/muddy water accumulating along the water barriers at East Coast Road Southbound. AAHIK also lodged a complaint to HyO, which HyO referred to ENPO on 1 March 2017 (received by ET on 2 March 2017). AHIK reported that the deatilines of East Coast Road remained unsatisfactory with dust all over the water barriers/traffic aids, and sands accumulating along the carriageway.	East Coast Road	During ET's observation on 3 and 13 March 2017, properly functioning wheel washing facilities were provided to wash the whicels prior to leaving the site. The section of road between the wheel washing facilities and the site access (S25) was hard paved and no mund' sit was observed at the concerned road section and the site access. As the ground level of site boundary of HY/2011/03. adjoining the East Coast Road is lower than that of East Coast Road, the possibility of muddy water seepage from 325 to East Coast Road is low. Based on our investigation result, the compliant is unikely to be related to Contrat No. HY/2011/03. Nevertheless, the Contractor has been reminded to strictly upkeep the proper practice of washing all vehicles leaving the site access (S25). Also, the Contractor has read of the university of the temporary traffic signs to a higher level to avoid muddy water splashing on them. Also, the temporary traffic signs will be cleaned regularly.	Closed	
COM-2017-112	27 March 2017	Nil	ENPO (EPD referred the email from Complement to ENPO)	Environmental (Noise and Water quality)	It was noted from ENPO's small to the Enricommental Team. Supervising Officer's Representative and Contractor on 28 March 2017 that EDP rotacida et a noise complaint lodged by a resident of Century Link on 27 March 2017. The complaint Advance 2017 that EDP rotacida et al. The noise complaint lodged by a resident of Century Link on 27 March 2017. The complaint Advance 2017 that States and States (e. 26 March 2017). In the rowas information very low states and States and States and States and States and States (e. 26 March 2017). Inter was information very low conside. According to description, the noise should be from the Hong Kong-Zhuhai-Macao Bridge project near the artificial Island, the noise lasted until late at night. In this morning, there was a plume of pollution found on the sea (see photo). These should be caused by the bridge project.*.	Nil	Based on the information provided by the Contractor and our investigation, it was concluded that the Contractor had complied with the conditions laid own in CNPs No. (SVI-95-1155-146 and CWI-8500157-17 and that non-compliance on water quality was found. It is considered that the compliant is unikely related to Contract No. HV201 100. In this case, no follow up action is reputide with the construction contractor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours and has been recommended to implement the following measures to minimize the potential regularly review the working duration for restricted hours works; and - switch off all unnecessary machinery and plant during restricted hours. The Contractor was also reminded to schedule, according to the predicted tides of the Hong Kong Observatory, their working vessels to travel to and from work site at high tide in order to reduce the sediment plume at shallow water areas.	Closed	-
COM-2017-113	20-Apr-17	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Water quality)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 20 April 2017 that EPD notived a complaint on 19 April 2017 logdo by green group. The complaint was about *本會XXX投訴理除漢大極承戀商於 2 0 1 5 年級置隔泥網的方向不當。產生污染。而圖片是由路設署提供,是真範圖片 - 本會前就環係署調直圖片中的情況。並對承鈔商作出醫告,以及要求承戀商準確設置現時的隔記前,確保其雙重設計是 有效。*	Portion X	Based on the information provided by the Contractor and ET's investigation, It was suspected that the concerned sit glume may be caused by sea current. There was no evidence that the concerned sit glume was caused by any activities arising from the Contract. The Contractor was reminded none again to implement the mitigation measure as specified in the implementation Schedule of Environmental Mitigation Neasures. The Contractor is also recommended to fully and properly maintain the sit curtain throughout the works in accordance with the requirements in the Updated EN&A Manual through undertaking monthly measurement on the overlapping and separation openings for vessels access for prompt rectification.	Closed	
COM-2016-095(3)	27-May-17	Nil	SOR (HyD referred the email from Complainant to SOR)	Environmental (Noise)	It was noted from SOR's email to the Environmental Team and Contractor on 26 May 2017 that HyD received a complaint on 12 May 2017 lodged by a member of public. The complaint was about "We'd like to follow up on this case. Pis help take pictures & point out ou swhere your noise barriers are located. If those seen in the attached pics are so-called noise barriers, then we believe the contractor needs a lot of improvement in helping to reduce this noise pollution".	Near Dragonair / CNAC (Group) Building (HKIA)	Upon the receipt of the complaint in May 2017, the Contractor had been instructed to immediately install additional noise barriers at the appropriate location and cover the breaker tip with accustic materials as noise mitigation measure against the noise emission associated with the afforsaid construction activities. Moreover, the noise barriers have been located as close as possible to the noise source (rock breaking work). Also, gaps and openings at joints in the barrier material have been minimized. The rock breaking work was completed on 31 May 2017 and the rock breaking machine had been demobilized off site. According to information from Contractor, removal C&D materials will be carried out at the site near CAD and CNAC buildings in the luture. As such, noise nuisance generated from a site will be minimized. Notwithstanding that, the Contractor has been reminded to implement noise migation measures on the site to minimize any potential nuisance to the public. Based on our investigation result, it is considered that the complaint is likely related to Contract No. HY/2011/03. The Contractor has implemented the following measures to minimize the potential noise impact: - Noise barriers have been nected in the active working area to further mitigate the associated noise emissions as far as practicable: - Ower the breaker tip with accustic material. - Noise barriers have been located as close as possible to the noise source. Also, gaps and openings at joints in the barriers material have been minimized. - Speed up of construction works in order to shorten the duration noise impact/nuisance to the surrounding. - Hintize the quantities of noisy plant as far as practicable. - Regular review of working duration and switch off all unnecessary machinery and plant.	Closed	
COM-2016-085(4)	15-Aug-17	Nil	Нур	Environmental (Noise)	HyD received a complaint concerning the rock breaking works near CNAC Buildings, as described below. "I am writing to let you know re-captioned works interrupted seriously our staff daily office works. Understand the rock encountered was much stronger than the original expected, the rock threaking works near CNAC Tower has been never ending. Recently a buildozer is working nearby and no noise barriers/sound prods were set up. Please take corrective action asap. Kindly advise us when this buildozing work is scheduled to complete."	Near Dragonair / CNAC (Group) Building (HKIA)	The major rock breaking works near CNAC Tower were substantially completed on 31 May 2017. However, survey record revealed that minor rock breaking timming work was required at the formation level for the construction of box culvent no. PFL4. Hence, the Contractor used a hydraulic breaking timming work in the attemption on 15 August 2017. According to the photos provided by the complianant, movable noise barriers were not located near the noise source (rock breaking) timming work. As a structure of the noise barriers. According to the photos provided by the complianant, movable on work was not efficiently screened by the noise barriers. According to the Contractor's records and the photos provided by the complianant, no buildozer was used at PR14 on 15 August 2017. In addition, no buildozing work is scheduid at PFL4 in near future.	Closed	-

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COM-2017-122	03-Oct-17	Nil	1823 Integrated Call Centre received a complaint Idoged by a member of the public on 30 September 2017. SOR referred the complaint details from 1823 - Hy0 to ET on 3 Oct 2017	Environmental (Other: Cleanliness problem at Tung Fai Road)	1823 Thegrated Call Centre received a complaint lodged by a member of the public regarding deanliness problem at Tung Fai Road, as described below: "投訴大機山赤鐵角東輝路 11 载港最次庫對出: 巴士达附近,是港珠港大橋地盤其中一個出入口,經常有大量重型工程車輛進出地盤。每逢有巴士或 重型車輛經過時,所面沙意應思引起"沙應票"。每候巴士的來客便遵狭,以前有漏水車礦水減低沙塵,現在漏水車都沒有 出現。要求部門改善沙應問題。"	S16	During the ET's inspection on 3 October 2017, it was observed that the Contractor did provide wheel washing facility with high pressure jets at the site access 2516 at Tung Fia Read to wash and clean all whiches before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. It was also observed that the Contractor did provide water boxers to thorcoughly clean Tung Fia Read. No mut was observed at the section 4 Tung Fia Read leasing to the site access 516 of Contract No. HY/2011/03. Another inspection was conducted on 12 October 2017, the section of the road between the wheel washing facility and the site access 516 was hard paved and no mudsilit was observed at the concerned road section and the site access 516. Although Contract No. HY/2011/03 is the only construction site connecting to the Tung Fia Read and the mentioned bus stop, wheel washing facility with high pressure jets is provided at the sectores 516 to wash and clean all whicks before allowing them to leave the construction site. No mut of debris would be brought to the public area. Therefore, there is no direct evidence showing that the complaint is related to Contract No. HY/2011/03. Nevertheless, in order to enhance dust suppression measures, the Contractor will increase the frequency of road cleaning by water bowser from three times per day lot times per day, subject to regular review with	Closed -
COM-2017-129	08-Jan-18	Nil	ENPO's email to the Supervising Officer's Representative and Contractor on 8 January 2018 that HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017		HVD received a complaint lodged by a member of the public regarding deanliness problem at East Coast Road on 29 December 2017. The complaint details are described below: "站所人投訴於大領山東中語。因其非漢大權工程的沙塵問題,部門安排了有關洗街車及吸塵車處環有關沙塵問題。但有 類華輻氣上裡問題念確定成於水理想,這刻天產不洗街車在追抗有關顏面時,只是问路面屬人。令原本的沙塵變紀泥漿 ,但卻沒有這理有關影麼,道路問題根本沒有根治 - 另外,有關吸塵車的居達亦未知理想。感覺車吸了他上的沙塵都所讓 出來的氣體佈滿沙塵,以致有關沙塵除了未被吸走外,更導致道路沙塵浪浪,要求部門監察有關承辦商,煩請部門跟進及 回覆。*	East Coast Road	relevant stakeholders in the vicinity. Based on our investigation result, there is no direct evidence showing that that the complaint is related to Contract No. HY/2011/03. The Contractor has been reminded to implement the following measures to minimize due timpact/ improve leaving the state access to remind drivers to wash the wheels thoroughly before leaving the site. • analual control by rope stopping vehicles entering public road without wheel washing. • provide training for drivers to ensure that they can use water truck and road sweeper property for road washing. • close monitor on the proper functioning of the road sweeper and water truck and provide maintenance to water truck and road sweeper property for road washing. • implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule as per the EM&Amual. ET will also step up the site inspections to ensure the cleanliness of the concerned section of East Coast Road is properly maintained.	Closed -
COM-2018-132	13, 14 February 2018	Nil	HyD (SOR referred the email from HyD to Contractor and ET) and EPD (ENPO referred the email from EPD to SOR, SOR sent the email to Contractor and ET)	Dust, Water Quality, Construction Waste, Noise and vibration	The complaint was received from the SOR's email on 13 February 2018 with the following details: "We have witnessed increased construction activities causing concerns such as nuisance, air and water pollution, construction waste landfill which may cause health and safety to the Nuisance – construction noise and vibration Air and Water Pollution – poor dust control causing air pollution Construction Waste Landfill Hill – increased height, size and degree of the slope of the construction waste landfill was Auger in size with steep slopes which may cause potential danger and hazardous to the surrounding area. It's appreciated that if you can investigate on the issue, and rectify the situation to a safe and healthy condition. Please confirm when and how the rectification will be completed." Another complaint to EPD was received from the SOR's email on 14 February 2018. The complaint was the same as the abovementioned with two figures showing the location of Dragonair & CNAC (Group) Building and Cathay Dragon House.	Near Dragonair / CNAC (Group) Building (HKIA)	Based on our investigation result, the complaint was related to Contract No. HY/2011/03. The Contractor has implemented Environmental Mitigation Implementation Schedule as per the EM&A Manual. Also, the Contractor was reminded to remove the concerned stockpile of the fill materials as soon as possible to minimize the potential nuisance caused to the nearby sensitive receivers.	Closed -
Follow-ups of Complaint No COM- 2016-132	16 March 2018 and 21 March 2018	Nil	HyD (SQPE referred the senal from HyD to the senal from HyD to TeT) and EPD (ENPO referred the email from EPD to SQPE, who sent the email to the Contractor and ET)	Duet and Construction Waste,	The complaint of 16 March 2018 was addressed to HyD and its details were as follows: ¹¹) It was observed from daily photos that: a. Inadequate dust suppression measures implemented. b. Green tarp does not cover the entire pile of the waste land fill. C. Dry soil constantly being observed, and constantly picked-up by strong gusty winds within CLK area. d. Large boulders and steep slopes on waste landfill, with inadequate safety measures implemented. 2) It was noted that the open stochypiel or construction waste landfill will be removed by the end of March 2018. Please confirm the date of completion of the removal of the stockpile. 3) Please advise if the slope and stilling of the previous of earls complies within Building and other relevant Regulations. 4) The works on the site should be within a valid gazetted period, please confirm if the works are within a valid gazette period, within CLK tot No1 Land lease or otherwise." The complaint of 21 March 2018 was addressed to EPD and its details were as follows: Re: Large construction landfill waste addressed to EPD and its details were as follows: We have continued to observe the following: - Inadequate dus suppression measures implemented. 0 Green tarp does not cover the whole of the waste landfill. 0 Green tarp does not cover the whole of the waste landfill. 0 Dry soil constantly observed, and constantly picked-up strong gusty winds within CLK area Large boulders and steep slopes on waste landfill, with inadequate safety measures implemented Poor housekeeping of the construction size.	Near Dragonair. CNAC (Group) Building (HKIA)	Based and on our investigation result, the complaint was related to Contract No. HY/2011(10). It was noted that no Action and Limit Level sceedances of 1-hr and 24-hr TSP were recorded at air monitoring station AMS6 - Dragonair Building during the proof from 1 watering on the stockylise was beserved understand information. The Contract No. Is been combustly reminded to properly implement Environmental Miligation Measures as per the EM&A Manual. The Contractor was also reminded to remove the concerned stockylile of the fill materials as soon as possible to minimize the potential nuisance caused to the nearby sensitive receivers.	Closed -
COM-2018-142	29 June 2018 & 6 July 2018	Nii	EPD (ENPO referred the email to SOR, Contractor and ET)	Noise	The complaint of 29 June 2018 was received from EPD and its details were as follows:- EPD have recently received a complaint regarding frequent noise from construction works next to Cathay Dragon House, facing Tung Chung direction. The complaint details are described as below: "We would like to raise your attention and forward a complaint regarding frequent noise from construction works next to our Cathay Dragon House, facing Tung Chung direction. From the video inits below, it seems like the noise is mainly from the breaking of rocks using powered mechanical equipment. https://www.dropbox.com/s/634f2p3og39s9i/IMG_3137.MOV/dl=0 Our colleagues at Cathay Dragon House has complaint that such disturbance has been going on for a week and works are carried out throughout the whole day. Please advise whether: 1. Such noisy works have been carried out with EPD or Highways' "Approved Permit"; 2. The noise elva bee been limited by your permit; 3. Any regular monitoring works or report have been sent to your department. 4. When will the work/noise stops; Furthermore, 5. Mr Lia mentioned in your previous email 18 April 2018 that the works should have completed end April 2018. Why is the works still going on? 6. Mr Lia mentioned in the letter dated 11 April 2018, you would conduct site inspections. Have you noticed any non- compliance?	Near Dragonair / CNAC (Group) Building (HKIA)	Based on our investigation result, the complaint was related to Contract No. HY/2011/03. The Contractor has implemented Environmental Mitigation Implementation Schedule as per the EM&A Manual, such as cover the breaker tip with multifer, minimize the quantities of noxip plant as far as practicable. Although the rock breaking works outside the Cathay Dragon House/ Dragonair & CNAC (Group) Building were completed on 9 July 2018, the Contractor has been continuously reminded to properly implement Environmental Mitigation Measures as per the EM&A Manual to minimize the potential noise nuisance caused to the public surrounding.	Closed -

					¹⁴ further complaint was received on 6 July 2018 from EPD and its details were as follows:- ¹⁵ further complaint was received on 6 July 2018 from EPD and its details were as follows:- ¹⁶ further to our previous complaints which are in vain, we would like to commune to put forward the complaint against the noise from the construction works next to Cathay Dragon House at CLK, which has never been caseed and been causing great disturbance to the accommodations (aviation control centre) and staff within our Cathay Dragon building and CNAC tower. Below is the time schedule our staff regarding the noise disturbance from the site which is frequent and continuous. Date Time 3 July 2018 8:30am - 11:30am, 1:30pm - 5:30pm 4 July 2018 8:30am - 11:30am, 1:30pm - 5:30pm Please advise what has been your action upon this matter. This has been intolerable for months. If there is nothing that your depts., can impose to stop the disturbance, we may need to seek other alternative complain channel. Your immediate action on this matter is highly appreciated." "We would like to get your urgent attention to the noise nuisance matters that is occurring outside Cathay Dragon House (ficaling seaside Tung Chung). There have been extreme noisy works conducted, without proper noise mitigation matter, with noise DB levels reaching 70-100dB, and is seriously affecting our company operations. Please urgently attend to the matter and advise further on the email below, and implement the proper noise reducing and mitigation procedures.				
OM-2018-158	24-Dec-18	10:17 AM	HyD (SOR referred the email from HyD to Contractor, ET and IEC/ENPO on 10:17 am, on 24 Dec 2018)	Other: Construction work on Sunday Morning	The details of the complaint were as follows: Email received by HyD on 23 Decomber 2018 at 10:49hrs. "How come someone is doing some construction work on sunday morning (23/12/18, 10:30am)??? Looks like your dristmas holidays I going to tum into an investigation holiday!!! Looking forwards to hearing from you? I am sure David will be more than happy to assist your insteguation over the holidays!!" Email received by HyD or 23 Decomber 2018 at 11:11hrs. "by the way have you issue a "permit to annoy people" based on merit to operate a crare this aurday? If not I am looking forwards to know the action you will bake. Don't estate to contact. Chief Lam he will surely be very happy to proving any and almor or use the radius of the rogue employee working under him so you can take the	N.A.	Based on our investigation result, the concerned work activity complied with the valid CNP. In this case, no follow up action is required. However, the Contactor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours.	Closed	
'A	03-Apr-19	Nil	EPD (ENPO referred the email from EPD to HyD, SOR, Contractor and ET) through email	Dust	Email received by EPD on 3 April 2019 **投払人表示考虑提解對面內拒除決大情的地盤正進行工程,工程期間會揚起大量產士,引起污染,影響海堤灣畔居民, 要求部門閱進事宜,*	N.A.	Based on our investigation result, there is no observation of dust emissions arising from the Contract No. HY/2011/103. The Contractor has implemented the Environmental Miligation Implementation Schedules aper the EMAA Manual, the Contractor has been reminded to strictly maintain the dust mitigation measures during carrying out of their construction works to minimize the dust nuisances to nearby sensitive receivers.	Closed	-
OM-2019-163	30-Apr-19	Nil	SOR referred details of complaint to Contractor, ET and IEC/ENPO through email	Waste	The details of the complaint were as follows:- "rubbish and refuse pile up by the road near a bus stop breeding numerous files and pests. huge annoyance and hygiene problem to the public. pils clean up."	Near Dragonair / CNAC (Group) Building (HKIA)	Based on our investigation result, there was no checevation of works in the area of complaint on issue of general refuse arising from the Contract Ne. NEV/2011/03. The Contractor has implemented the Environmental Miligitain Implementation Schedule as per the EM&A Marual, the Contractor has been reminded to strictly maintain waste management procedures during their construction works to avoid the hygiene impacts to nearby sensitive receivers.	Closed	
OM-2020-165	18-Mar-20	Nil	Hotline "1823" (SOR referred details of complaint to Contractor, ET and IEC/ENPO through email)	Waste	The details of the complaint were as follows:- "Rubbish are found along the landscape area at Tung Yiu Road. Dear 1823 officer, Regarding the captioned case, I have previously made my complaint to the Airport Authority (AA) on the subject. "Ve, AA advises that the concerned area at Tung Yiu Road is not managed by the AA and suggests me to contact 1823 for follow up."	area at Tung	Based on our investigation result, there was no observation of works in the area of complaint on issue of general refuse arising from the Contract No. HY/2011/03. The Contractor has implemented the Environmental Mitigation Implementation Schedule as per the EM&A Manual, the Contractor has been reminded to strictly maintain waste management procedures during their construction works to avoid the hygiene impacts to nearby sensitive receivers.	Closed	
OM-2022-166	28-Jun-22	Nil	EPD (IEC/ENPO referred details of complaint to Contractor, ET and SOR through email)	Waste	The details of the complaint were as follows:- "有關東涌映漫園與藍天海岸對出海面垃圾問題" 1. 近東涌與赤鐵角機模指點的大橋附近,即赤鐵角南筋附近的海旁有實種辦公室建築材料、廢料及鐵架;及海面有大堆沙丘 被重置整年; 2. 近觀察山腿握旁之海面有大堆沙丘及不少漂浮物件被棄置數年。 上域位置(月附圖)的臨時沙丘及建築都料價發是圓建港除激大橋時的建築材料,值現時澄珠澳大橋已於2018年寬成及過 車後,上は想及你建築材料及資料亦未有妥善處理。此學不會會造成環境污染,更有機會對紛隻新行造成危險。有見及此 ,我們希望 貴處可派員跟進上結佛況並不時作出監察,以遵先海上意外發生及造成污染。	S7 and PR10	Based on our investigatyion result, there was no observation of works in the area of complaint on issue of general refuse arising from the Contract No. HY/2011/03. The Contractor has implemented the Environmental Mitigation Implementation Schedule as per the EM&A Manual, the Contractor has been reminded to strictly maintain waste management procedures during their construction works to avoid the hygiene impacts to nearby sensitive receivers.	Closed	-



APPENDIX K

Environmental Licenses and Permits





Summary of Environmental Licences and Permits Application and Status

Environmental Permit

Date Application Submitted	Status	Date EP Issued	EP No.	EP Holder	Expiry Date
04.12.2014	VEP issued	22.12.2014	EP-352/2009/D	Highways Department	N/A
24.03.2016	VEP Issued	11.04.2016	EP-353/2009/K	Highways Department	N/A

Notification of Carrying Out Notifiable Works under Air Pollution Control (Construction Dust) Regulation

Date Notification Submitted	Notification Ref. No.	Valid Since	Expiry Date
25.05.2012	345690	01.06.2012	N/A

Notification of Carrying Out Notifiable Works under Air Pollution Control (Construction Dust) Regulation Form NB

Date Notification Submitted	Notification Ref. No.	Valid Since	Expiry Date
31.07.2015	391702	31.07.2015	N/A

Billing Account for Disposal of Construction Waste

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

Chemical Waste Producer Registration

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



Wastewater Discharge License

ltem No.	Date Application Submitted	Area Applied	Status	Expiry Date
1	22.06.2012	Site Office for Supervising Officer (WA6)	Application Ref. No. 346651 Letter from the EPD (Ref: EP/RS/0000346267) dated 19.07.2012 confirming that license under WPCO is not required.	N/A
2	02.08.2017	Site Office for China States (WA6)	Application Ref. No. 419562 Water Discharge License WT00029546-2017 was granted on 13 Nov 2017	N/A
3	04.01.2018	WA 3	Application Ref No.356237 Water Discharge License Ref. WT00030320-2018 was surrendered on 10 Jan 2020	N/A
4	15.01.2013	WA 4	Application Ref No. 356240 Water Discharge License Ref. WT00016158-2013 was surrendered on 24 May 2018	N/A
5	04.01.2018	Airport Road (Southern)	Application Ref No. EP/RS/0000354266 Water discharge license Ref. WT00032071-2018 was granted on 23 Oct 2018.	Valid until 30.04.2023
6	04.01.2018	Airport Road (Northern)	Application Ref No. EP/RS/0000354018 Water discharge license Ref. WT00031778-2018 was granted on 23 Oct 2018.	Valid until 30.04.2023
7	10.03.2017	WA7	Application Ref. No. 414487 Water Discharge License Ref. WT00027958-2017 was surrendered on 01 Feb 2018	N/A

Construction Noise Permit

Item	Date					Validity of CNP	
No.	Application Submitted	Works Area Applied	Description	Status	CNP No.	From	То
1	01.12.2022	All Works Area	All Works	CNP issued on 16.12.2022	011-1102-22		16.06.2023 2300 hrs



APPENDIX L



EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the Measures	When to implement the measures?	Implementation Status
Air Quality	,				1		•
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	V
S5.5.6.2	A2	 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 extended beyond the pedestrian barriers, fencing or traffic cones. The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle; Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; 	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	V
S5.5.6.2	A2	 When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; Any skip hoist for material transport should be totally enclosed by impervious sheeting; 	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	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the Measures	When to implement the measures?	Implementation Status
S5.5.6.2	A2	 The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously; Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet; Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; Every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides; 	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	V
S5.5.6.2	A2	 Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies. 	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	\checkmark

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S5.5.6.3	A3	3) The Contractor should undertake proper watering on all exposed spoil (with at least 8 times per day) throughout the construction phase.	Control construction dust	Contractor	All construction sites	Construction stage	~
S5.5.6	A5	5) Implement regular dust monitoring under EM&A programme during the construction stage.	Monitor the 24 hr and 1hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria Throughout the construction period	Contractor	Selected representative dust monitoring station	Construction stage	√
S5.5.71	A6	 The following mitigation measures should be adopted to prevent fugitive dust emissions for concrete batching plant: Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system; All dust-laden air or waste gas generated by the process operations should be properly extracted and vented to fabric filtering system to meet the emission limits for TSP; Vents for all silos and cement/ pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system; The materials which may generate airborne dusty emissions should be wetted by water spray system; All receiving hoppers should be enclosed on three sides up to 3m above unloading point; All access and route roads within the premises should be paved and wetted; and Vehicle cleaning facilities should be provided and used by all concrete trucks before leaving the premises to wash off any dust on the wheels and/or body. 	Monitor the 24 hr and 1hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria Throughout the construction period	Contractor	Selected representative dust monitoring station	Construction stage	

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the Measures	When to implement the measures?	Implementation Status
\$5.5.2.7	Α7	 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	V
Noise						<u> </u>	I
S6.4.10	N1	 Use of good site practices to limit noise emissions by considering the following: only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works mobile plant should be sited as far away from NSRs as possible and practicable; material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. 	Control construction airborne noise by means of good site practices	Contractor	All construction sites	Construction stage	√

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S6.4.11	N2	2) Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening.	Contractor	All construction sites	Construction stage	V
S6.4.12	N3	 Install movable noise barriers (typically density @ 14kg/m²), 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	V
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	V
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	V
	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	V
Waste Man (Construct							
S8.3.8	WM1	 <u>Construction and Demolition Material</u> The following mitigation measures should be implemented in handling the waste: Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; Carry out on-site sorting; Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; Adopt 'Selective Demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; 	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	√

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		 Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005. Environmental Management on Construction Sites. to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction. In addition, disposal of the C&D materials onto any sensitive locations such as agricultural lands, etc. should be avoided. The Contractor shall propose the final disposal sites to the Project Proponent and get its approval before implementation. 					
S8.3.9 - S8.3.11	WM2	 <u>C&D Waste</u> Standard formwork or pre-fabrication should be used as far as practicable in order to minimise the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage. The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage. 	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	~

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
\$8.2.12- \$8.3.15	WM3	 Chemical Waste Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation. The storage area for chemical wastes should be clearly labeled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated. Disposal of chemical waste should be via a licensed waste collector; be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers; or be to a reuser of the waste, under approval from the EPD. 	Control the chemical waste and ensure proper storage, handling and disposal.	Contractor	All construction sites	Construction stage	

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S8.3.16	WM4	 <u>Sewage</u> 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	V
S8.3.17	WM5	 <u>General Refuse</u> General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. In addition, waste separation facilities for paper, aluminum cans, plastic bottles etc., should be provided. Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including reduction, reuse and recycling of wastes. 	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Water qualit (Construction Phase)							
\$9.11.1- \$9.11.1.2	W1	 Mitigation during the marine works to reduce impacts to within acceptable levels have been recommended and will comprise a series of measures that restrict the method and sequencing of filling work, as well as protection measures. Details of the measures are provided below and summarised in the Environmental Mitigation Implementation Schedule in EM&A Manual. Construction of seawalls to be advanced by at least 100-200m before the filling can commence. It should be noted that the protection by advanced seawall is a dynamic process depending on the progress of the construction activities. The part of the works where such measures can be undertaken for the majority of the time includes the following locations: TMCLKL northern reclamation; TMCLKL southern reclamation (after formation of the nips); Reclamation filling for Portion 1 of HKLR. 	To control construction water quality	Contractor	During seawall filling	Construction stage	
S9.11.1- S9.11.1.2	W1	 Single layer silt curtains will be applied around all works; Silt curtain shall be fully maintained throughout the works. 	To control construction water quality	Contractor	During seawall filling	Construction stage	P

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
<u>S9.11.1-</u> <u>S9.11.1.2</u>	W1	 Mechanical grabs shall be designed and maintained to avoid spillage and should seal tightly while being lifted; barges shall have tight fitting seals to their bottom openings to prevent leakage of material; any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes; loading of barges shall be controlled to prevent splashing of filling materials to the surrounding water. barges shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation; adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; all vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; and the works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site. 	To control construction water quality	Contractor	During seawall filling	Construction stage	
S9.11.1.3	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	During seawall filling	Construction stage	V

EIA Ref. EM&. Log Ref.	A	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1.3 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 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	During seawall filling	Construction stage	

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1.3	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	During seawall filling	Construction stage	
S9.14	W3	Implement a water quality monitoring programme	Control water quality	Contractor	At identified monitoring location	During construction	V

EIA Ref. **Recommended Mitigation Measures** EM&A Implementation Objectives of the Who to implement the Location of the When to Log Recommended measures? measures implement the Status Ref. Measures & Main measures? Concerns to address Ecology (Construction Phase) S10.7 E1 Good site practices to avoid runoff entering Avoid potential Designer; Scenic Hill During • $\sqrt{}$ woodland habitats in Scenic Hill; disturbance on habitat of construction Contractor Reinstate works areas in Scenic Hill; ٠ Romer.s Tree Frog in Avoid stream modification in Scenic Hill. Scenic Hill ٠ S10.7 E2 Install silt curtain during the construction; Minimise marine water Contractor Seawall. Durina ٠ Ρ Construct seawall prior to reclamation filling where quality impacts reclamation construction ٠ area practicable: Good site practices; ٠ • Site runoff control; ٠ Spill response plan. S10.7 E4 Contractor ٠ Watering to reduce dust generation; prevention of Prevent Sedimentation Land-based works During $\sqrt{}$ siltation of freshwater habitats; Site runoff should from Land-based works areas construction be desilted, to reduce the potential for suspended areas sediments, organics and other contaminants to enter streams and standing freshwater. S10.7 E5 Contractor ٠ Good site practices, including strictly following the Prevent disturbance to Land-based works During $\sqrt{}$ permitted works hours, using quieter machines terrestrial fauna and areas construction habitats where practicable, and avoiding excessive lightings during night time. S10.7 E6 Dolphin Exclusion Zone; ٠ Minimize temporary Contractor Marine works During marine $\sqrt{}$ Dolphin watching plan. marine habitat loss works • impact to dolphins S10.7 E7 Decouple compressors and other equipment on Contractor ٠ Minimize temporary Marine works During marine $\sqrt{}$ working vessels; marine habitat loss works Avoidance of percussive piling; impact to dolphins Marine underwater noise monitoring; ٠ Temporal suspension of drilling bored pile casing • in rock during peak dolphin calving season in May and June: Handling with care for the installation of sheet piling ٠ for reclamation site.

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S10.7	E8	 Control vessel speed; Skipper training; Predefined and regular routes for working vessels; avoid Brothers Islands. 	Minimise marine traffic disturbance on dolphins	Contractor	Marine traffic	During marine works	V
S10.10	E9	Dolphin vessel monitoring;	Minimise marine traffic disturbance on dolphins	Contractor	North Lantau and West Lantau	Prior to construction, during construction, and 1 year after operation	√ See Note 1
Ecology (C	Operation Pl	Mudflat ecological monitoring. hase)					
S10.7	E10	Preconstruction dive survey for corals	Minimise impacts on marine ecology	Contractor	The marine pier sites nearest to intertidal zone and along the shore of the HKLR reclamation site	Prior to marine construction works in these locations	~
Fisheries							
S11.7	F2	Reduce re-suspension of sedimentsGood site practicesSpill response plan	Minimise marine water quality impacts	Contractor	Seawall, reclamation area	During construction	√
S11.7	F3	 Install silt-grease trap in the drainage system collecting surface runoff 	Minimise impacts on marine water quality impacts	Designer	Reclamation area	During construction	√
S11.7	F4	Maritime Oil Spill Response Plan (MOSRP);Contingency plan.	Minimise impacts on marine water quality impacts	Management	HKLR	During operation stage	√

Note: 1) The mudflat ecological monitoring will be conducted quarterly during the construction period. The mudflat ecological monitoring was not conducted during the reporting month.

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Landscape & (Detailed De		e)		·			
S14.3.3.1	LV1	 General design measures include: Roadside planting and planting along the edge of the reclamation is proposed; Transplanting of mature trees in good health and amenity value where appropriate and reinstatement of areas disturbed during construction by compensatory hydro-seeding and planting; Protection measures for the trees to be retained during construction activities; Optimizing the sizes and spacing of the bridge columns; Fine-tuning the location of the bridge columns to avoid visually sensitive locations; Aesthetic design of the bridge form and its structural elements for HKLR, e.g. parapet, soffit, columns, lightings and so on; Considering the decorative urban design elements for HKLR, e.g. decorative road lightings; Maximizing new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed; Providing planting area around peripheral of HKLR for tree planting screening effect. Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline. For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and reclamation (e.g. subtle colour tone and slim form for viaduct to minimize the bulkiness of the structure and to blend the viaduct better with the background environment, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment (refer to Figure 14.4.3). 	Minimise visual & landscape impact	Detailed designer	HKLR	Design stage	N/A

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Landscape	& Visual (Construction Phase)		I			
S14.3.3.3	LV2	 Mitigate both Landscape and Visual Impacts G1. Grass-hydroseed bare soil surface and stock pile areas. G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic. G3. For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and reclamation (e.g. subtle colour tone and slim form for viaduct, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment. G4. Not Applicable. G5 Vegetation reinstatement and upgrading to disturbed areas. G6. Maximize new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed. G7. Provide planting area around peripheral of and within HKLR for tree screening buffer effect. G8. Plant salt tolerant native tree and shrubs etc along the planter strip at affected seawall. G9. Reserve of loose natural granite rocks for re-use. Provide new coastline to adopt .natural-look. by means of using armour rocks in the form of natural rock materials and planting strip area accommodating screen buffer to enhance .natural-look. of the new coastline (see Figure 14.4.2 for example). 		Contractor	HKLR	Construction stage	
S14.3.3.3	LV3	Mitigate Visual Impacts V1.Minimize time for construction activities during construction period. V2.Provide screen hoarding at the portion of the project site / works areas / storage areas near VSRs who have close low-level views to the Project during HKLR construction.					

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
EM&A							
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	Construction stage	√

Legends: √ Implemented X Not Implemented P Partially Implemented N/A Not Applicable



APPENDIX M

Record of "Notification of Summons and Prosecutions



Total No. of Notifications of Summons / Prosecutions Received	No. of Notifications of Summons / Prosecutions Received during Reporting Period	Status of Notifications of Summons / Prosecutions
0	0	N/A

Summary of Notifications of Summons and Prosecutions

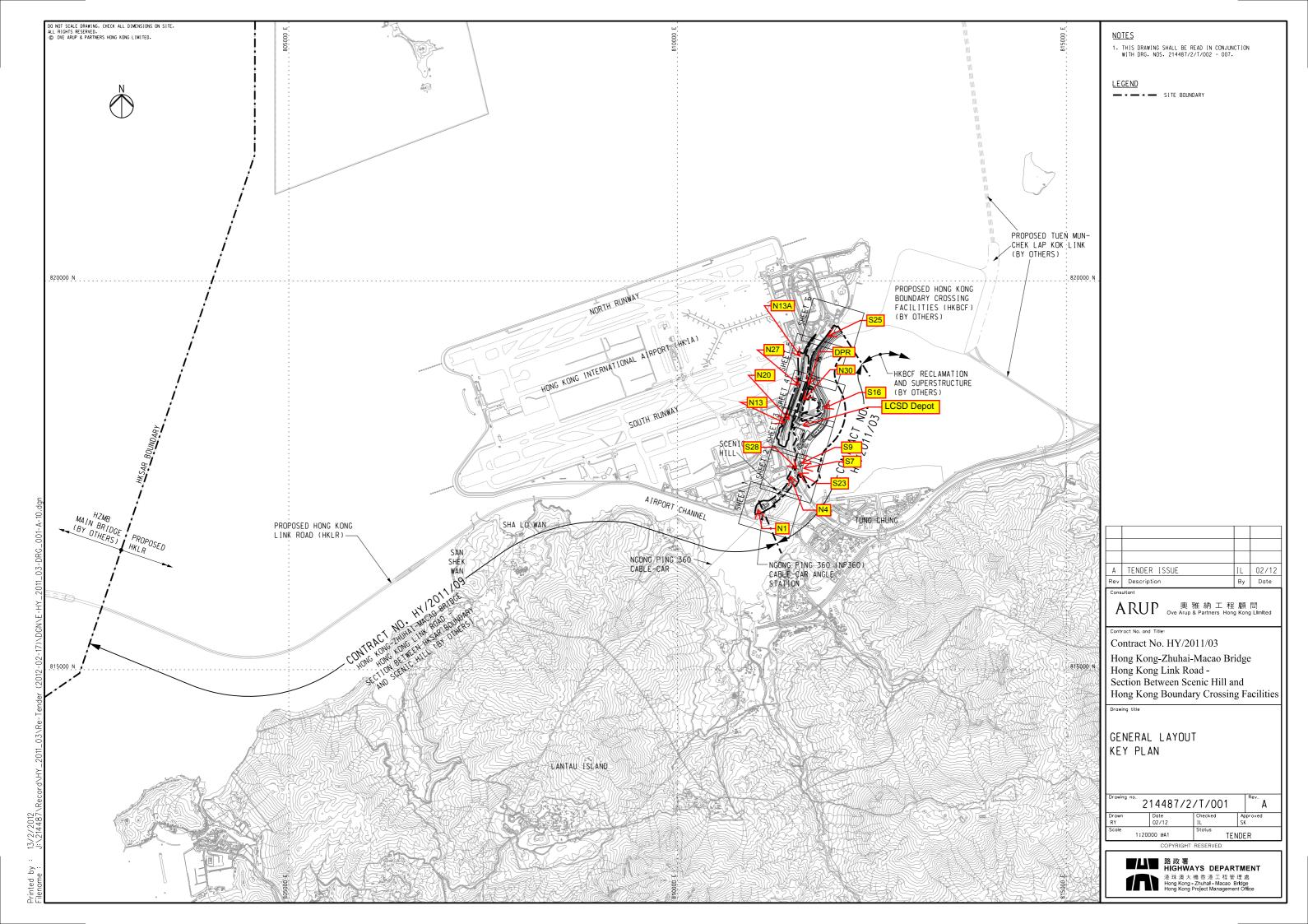


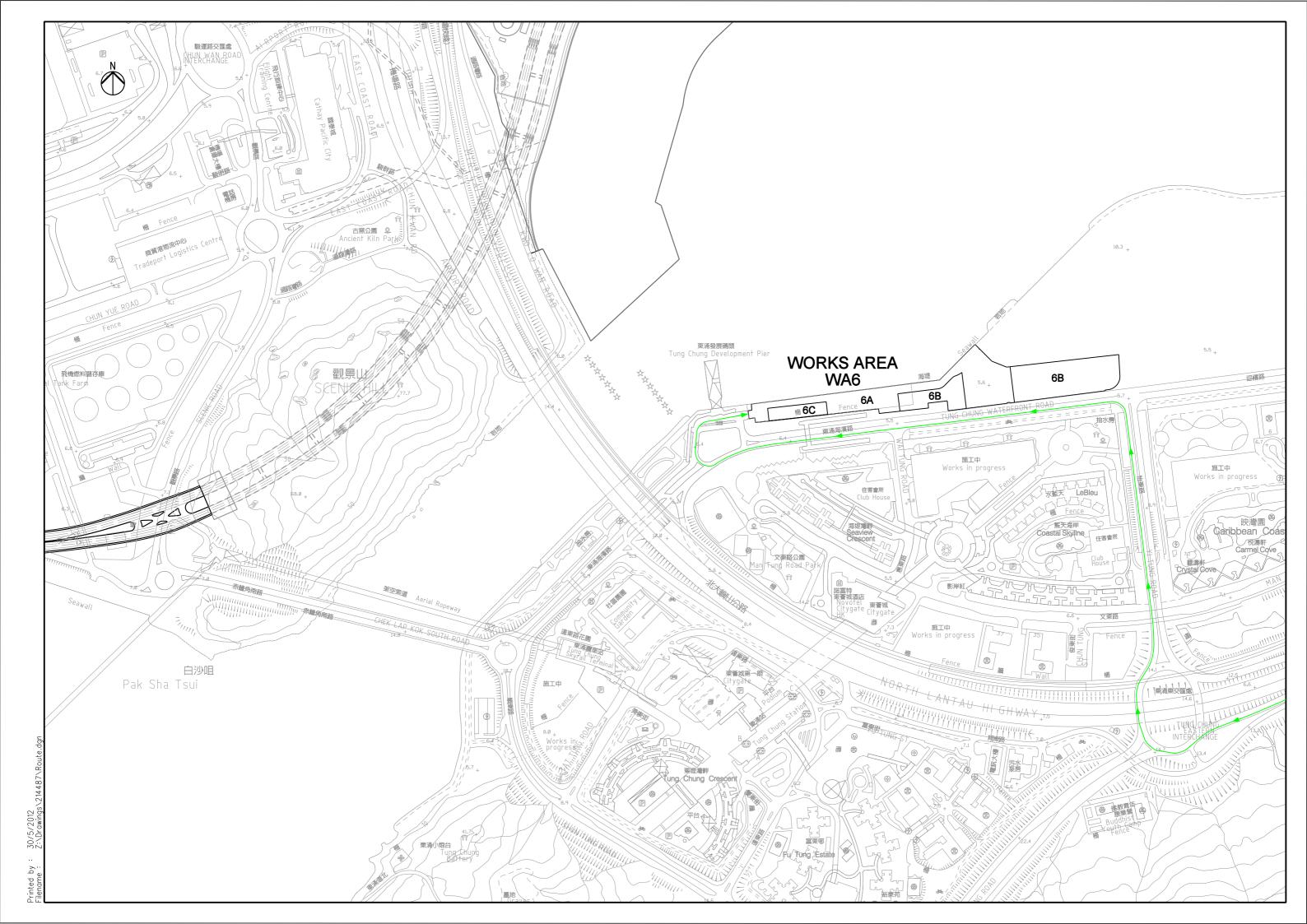
Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 125th Monthly EM&A Report

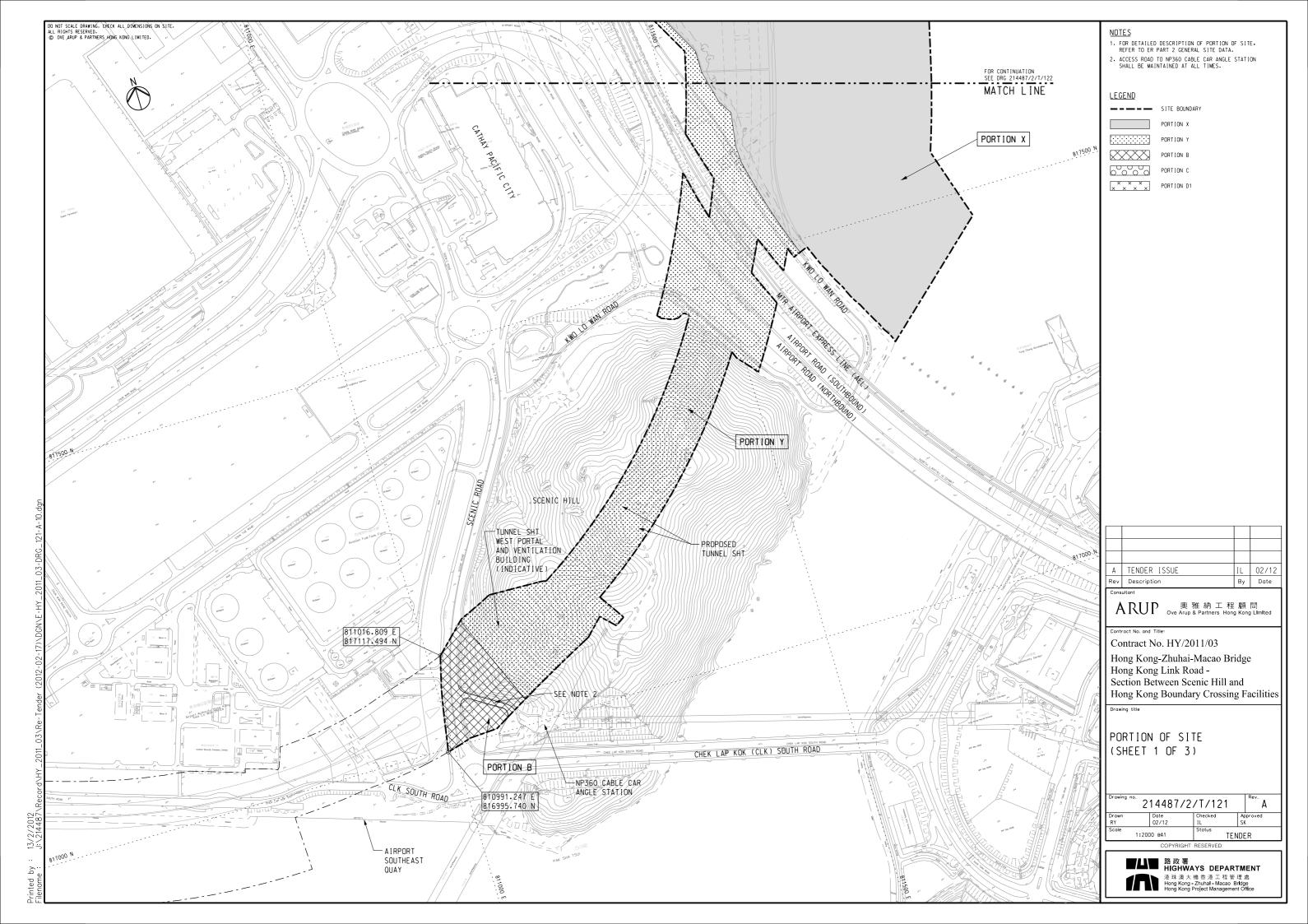
APPENDIX N

Location of Works Areas



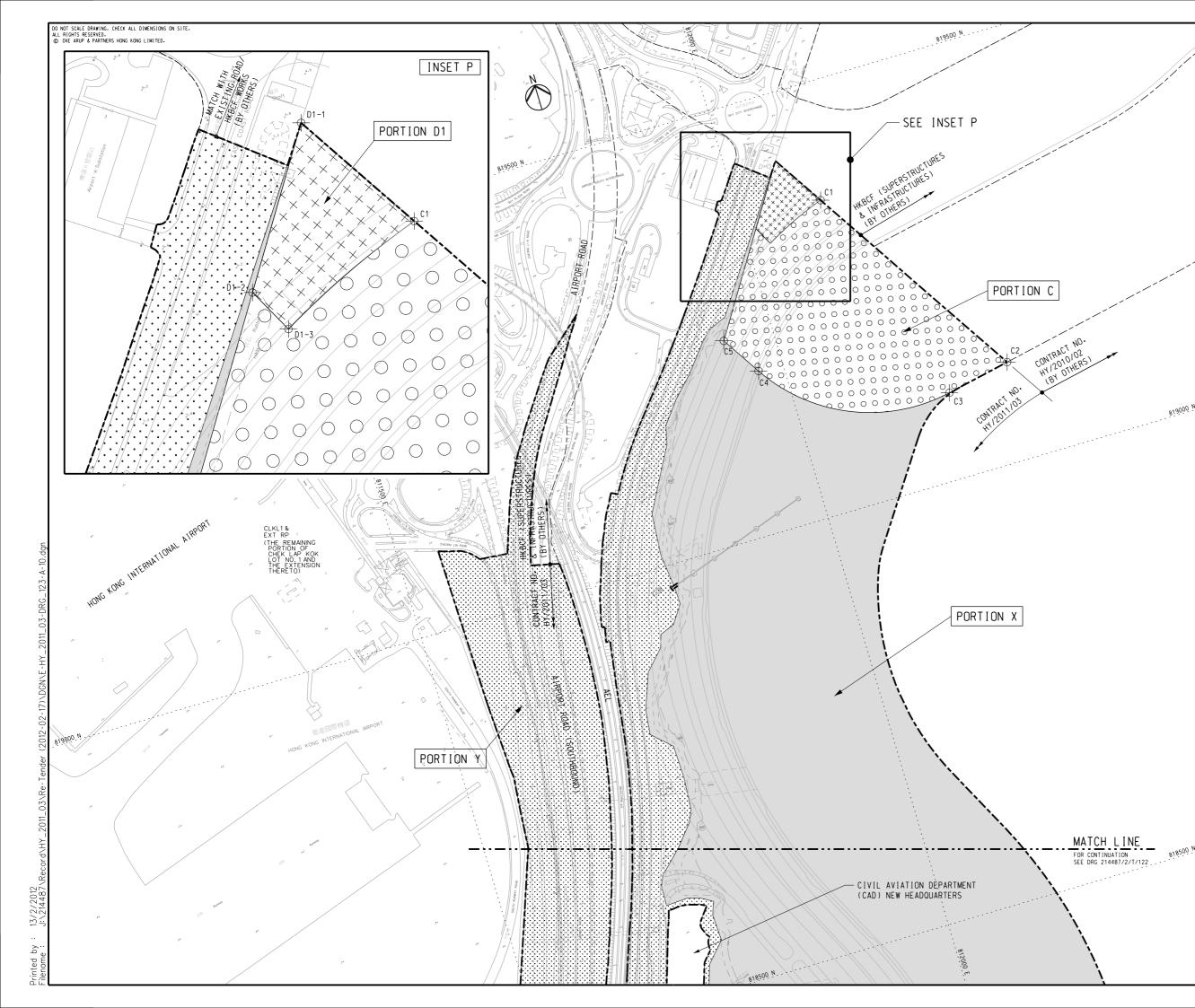








	NOTES		
	 FOR GENERAL NOTES AND LEGEND, REFER T DRG, NO. 214487/2/T/121. 	Ō	
FOR CONTINUATION SEE DRG 214487/2/T/123			
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	Ove Arup & Partners Hong	g Kong	g Limited
	Contract No. and Title:		
	Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Br	idae	
	Hong Kong Link Road -	uge	,
	Section Between Scenic Hill a		
	Hong Kong Boundary Crossin	g Fa	acilities
	Drawing title		
	PORTION OF SITE		
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90218	HIGHWAYS DEPAR 港珠澳大橋香港工程管 Hong Kong - Zhuhal - Macao	理處	
90 .	Hong Kong - Zhuhal - Macao Hong Kong Project Manageme	ent Offic	ce .



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

SETTING OUT CO-ORDINATES OF SITE PORTION C

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

SETTING OUT CO-ORDINATES OF SITE PORTION D1

⁸¹⁹⁰⁰⁰ N

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

Α	TENDER ISSUE	ΙL	02/12	
Rev	Description	By	Date	
Consultant				

ARUP 奥雅納工程顧問

Contract No. HY/2011/03

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

PORTION OF SITE (SHEET 3 OF 3)

Drawing no. 2		Rev.			
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