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

Contract No. HY/2011/03

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

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Revision 1

Main Contractor

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

Designer

ATKINS
Member of the SNC-Lavalin Group

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Executive Summary

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

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

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

BMT Hong Kong Limited 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 128th Monthly EM&A report for the Contract which summarises the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 31 May 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	3, 9, 15, 19, 24 and 30 May 2023
24-hr TSP Monitoring at AMS5	2, 8, 12, 18, 23 and 29 May 2023
Noise Monitoring	3, 9, 15, 24 and 30 May 2023
Water Quality Monitoring	1, 3, 5, 8, 10, 12, 15, 17, 19, 22, 24, 26, 29 and 31 May 2023
Chinese White Dolphin Monitoring	2, 5, 9 and 10 May 2023
Site Inspection	4, 10, 16, 25 and 31 May 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

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

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

Complaint Log

There was 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.

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) on 1 March 2023. Proposal for permanently relocating the SR4(N2) was approved by EPD on 3 March 2023. The water quality monitoring has been conducted at stations SR4(N3) since 3 March 2023.

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.

1 Introduction

1.1 Basic Project Information

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

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

1.1.3 China State Construction Engineering (Hong Kong) Ltd. was awarded by Highways Department (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 128th Monthly EM&A report for the Contract which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 31 May 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**.

Table 1.1 Contact Information of Key Personnel

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 Checker (ANewR Consulting Limited)	Environmental Project Office Leader	Louis Kwan	9275 0975	3007 8448
	Independent Environmental Checker	James Choi	6122 5213	3007 8448
Contractor (China State Construction Engineering (Hong Kong) Ltd.)	Project Manager	S. Y. Tse	3968 7002	2109 2588
	Environmental Officer	Federick Wong	3968 7117	2109 2588
Environmental Team (Meinhardt Infrastructure and Environment Limited)	Environmental Team Leader	Claudine Lee	2859 5409	2559 0738
24 hours complaint hotline	---	---	5699 5730	---

1.3 Construction Programme

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

1.4 Construction Works Undertaken During the Reporting Month

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

Table 1.2 Construction Activities During Reporting Month

Description of Activities	Site Area
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.

Table 2.1 Action and Limit Levels for 1-hour TSP

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

Table 2.2 Action and Limit Levels for 24-hour TSP

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

2.2 Monitoring Equipment

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

Table 2.3 Air Quality Monitoring Equipment

Equipment	Brand and Model
Portable direct reading dust meter (1-hour TSP)	Sibata Digital Dust 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** summarises the monitoring parameters, frequency and duration of impact TSP monitoring.

Table 2.5 Air Quality Monitoring Parameters, Frequency and Duration

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

2.5 Monitoring Methodology

2.5.1 24-hour TSP Monitoring

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

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

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

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

(iv) No furnace or incinerator flues are nearby.

(v) Airflow around the sampler was unrestricted.

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

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

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

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

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

(b) Preparation of Filter Papers

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

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

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

(c) Field Monitoring

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

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

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

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

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

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

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

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

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

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

(xi) The initial elapsed time was recorded.

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

(xiii) The final elapsed time was recorded.

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

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

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

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

(d) Maintenance and Calibration

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

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

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

2.5.2 1-hour TSP Monitoring

(a) Measuring Procedures

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

(i) Turn the power on.

(ii) Close the air collecting opening cover.

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

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

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

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

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

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

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

(x) Lower down the air collection opening cover.

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

(b) Maintenance and Calibration

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

2.6 Monitoring Schedule for the Reporting Month

2.6.1 The schedule for air quality monitoring in May 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 summarised 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. 1-hr and 24-hr TSP monitoring at AMS6 was temporarily suspended starting from 1 May 2021.

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

Monitoring Station	Average ($\mu g/m^3$)	Range ($\mu g/m^3$)	Action Level ($\mu g/m^3$)	Limit Level ($\mu g/m^3$)
AMS5	50	18-158	352	500
AMS6			360	500

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

Monitoring Station	Average ($\mu g/m^3$)	Range ($\mu g/m^3$)	Action Level ($\mu g/m^3$)	Limit Level ($\mu g/m^3$)
AMS5	55	38-65	164	260
AMS6			173	260

2.7.2 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 Levels for Noise during Construction Period

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

3.2 Monitoring Equipment

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

Table 3.2 Noise Monitoring Equipment

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

3.3 Monitoring Locations

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

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

Table 3.3 Locations of Impact Noise Monitoring Stations

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

3.4 Monitoring Parameters, Frequency and Duration

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

Table 3.4 Noise Monitoring Parameters, Frequency and Duration

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

3.5 Monitoring Methodology

3.5.1 Monitoring Procedure

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

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

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

(i) frequency weighting: A

(ii) time weighting: Fast

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

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

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

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

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

3.5.2 Maintenance and Calibration

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

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

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

3.6 Monitoring Schedule for the Reporting Month

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

3.7 Monitoring Results

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

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

Monitoring Station	Average $L_{eq\ (30\ mins)}$, dB(A)	Range of $L_{eq\ (30\ mins)}$, dB(A)	Limit Level $L_{eq\ (30\ mins)}$, dB(A)
NMS5	59	57-61	75

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

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

3.7.3 Other noise sources during the noise monitoring included aircraft noise.

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

4 Water Quality Monitoring

4.1 Monitoring Requirements

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

4.1.2 The original and revised Action Level and Limit Level for turbidity and suspended solid are shown in **Table 4.1**. The event action plan is annexed in **Appendix F.**

Table 4.1 Action and Limit Levels for Water Quality

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

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

than the limits.

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

4.2 Monitoring Equipment

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

Table 4.2 Water Quality Monitoring Equipment

Equipment	Brand and Model
DO and Temperature Meter, Salinity Meter, Turbidimeter and pH Meter	YSI Model 6820 (V2) 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** summarises the monitoring parameters, frequency and monitoring depths of impact water quality monitoring as required in the Contract Specific EM&A Manual.

Table 4.3 Impact Water Quality Monitoring Parameters and Frequency

Monitoring Stations	Parameter, unit	Frequency	No. of depth
Impact Stations: IS5, IS(Mf)6, IS7, IS8(N), IS(Mf)9 & IS10(N) Control/Far Field Stations: CS2(A) & CS(Mf)5, Sensitive Receiver Stations: SR3(N), SR4(N3), SR5(N), SR10A(N) & SR10B(N2)	• Depth, m • Temperature, °C • Salinity, ppt • Dissolved Oxygen (DO), mg/L • DO Saturation, % • Turbidity, NTU • pH • Suspended Solids (SS), mg/L	Three times per week during mid-ebb and mid-flood tides (within ± 1.75 hour of the predicted time)	3 (1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth is less than 6 m, in which case the mid-depth station may be omitted. Should the water depth be less than 3 m, only the mid-depth station will be monitored).

Remark:
1) Original WQM stations IS8 and SR4(N) are located within the active work area of Tung Chung New Town Extension (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 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 access to the WQM station SR4(N2) (Coordinate: E814688, N817996) is blocked by the silt curtains of the TCNTE project. Water quality monitoring was temporarily conducted at alternative stations, namely SR4(N3) (Coordinate: E814779, N818032). Proposal for permanently relocating the SR4(N2) was approved by EPD on 3 March 2023. The water quality monitoring has been conducted at stations SR4(N3) since 3 March 2023.

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 810689E, 816591N), SR4(N) (Coordinate: 814705E, 817859N) and SR10A(N) (Coordinate: 823644E, 823484N) since 1 September 2017. The water quality monitoring at station SR10B was temporarily conducted at Coordinate: 823683E, 823187N on 1, 4, 6, 8 September 2017 and has been temporarily fine-tuned to alternative station SR10B(N2) (Coordinate: 823689E, 823159N) since 11 September 2017. Proposal for permanently relocating the aforementioned stations was approved by EPD on 8 January 2018.

4.4.4 Original WQM stations IS8 and SR4(N) are located within the active work area of Tung Chung New Town Extension (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 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 TCNTE project. Water quality monitoring was temporarily conducted at alternative stations, namely SR4(N3) (Coordinate: E814779, N818032) on 1 March 2023. Proposal for permanently relocating the SR4(N2) was approved by EPD on 3 March 2023. The water quality monitoring has been conducted at stations SR4(N3) since 3 March 2023.

4.4.6 The locations of water quality monitoring stations are summarised in **Table 4.4** and shown in **Figure 2.1**.

Table 4.4 Impact Water Quality Monitoring Stations

Monitoring Stations	Description	Coordinates	
		Easting	Northing
IS5	Impact Station (Close to HKLR construction site)	811579	817106
IS(Mf)6	Impact Station (Close to HKLR construction site)	812101	817873
IS7	Impact Station (Close to HKBCF construction site)	812244	818777
IS8(N)	Impact Station (Close to HKBCF construction site)	814413	818570

Monitoring Stations	Description	Coordinates	
		Easting	Northing
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) on 1 March 2023. Proposal for permanently relocating the SR4(N2) was approved by EPD on 3 March 2023. The water quality monitoring has been conducted at stations SR4(N3) since 3 March 2023.

4.5 Monitoring Methodology

4.5.1 Instrumentation

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

4.5.2 Operating/Analytical Procedures

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

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

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

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

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

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

Table 4.5 Laboratory Analysis for Suspended Solids

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

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

4.5.3 Maintenance and Calibrations

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

4.6 Monitoring Schedule for the Reporting Month

4.6.1 The schedule for impact water quality monitoring in May 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 May 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**.

Table 5.2 Co-ordinates of Transect Lines

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

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 May 2023, two sets of systematic line-transect vessel surveys were conducted on the 2nd, 5th, 9th, and 10th 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 257.90 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, 94.10 km and 163.80 km of survey effort were collected from NEL and NWL survey areas respectively. Moreover, the total survey effort conducted on primary lines was 187.83 km, while the effort on secondary lines was 70.07 km.

5.3.4 During the two sets of monitoring surveys in May 2023, no Chinese White Dolphin was sighted at all.

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

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

		Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)	**Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort)
		Primary Lines Only	**Primary Lines Only**
NEL	Set 1: May 2nd / 5th	0.0	0.0
	Set 2: May 9th / 10th	0.0	0.0
NWL	Set 1: May 2nd / 5th	0.0	0.0
	Set 2: May 9th / 10th	0.0	0.0

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

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

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 (March – May 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.

6 Environmental Site Inspection and Audit

6.1 Site Inspection

6.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. During the reporting month, five site inspections were carried out on 4, 10, 16, 25 and 31 May 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.**

Table 6.1 Summary of Environmental Site Inspections

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
4 May 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
10 May 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
16 May 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
25 May 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
31 May 2023	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.

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**.

7 Future Key Issues

7.1 Construction Programme for the Coming Months

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

Table 7.1 Construction Activities for June 2023

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 June 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 128th Monthly EM&A report for the Contract which summarises the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 31 May 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 (March – May 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 4, 10, 16, 25 and 31 May 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.

FIGURES

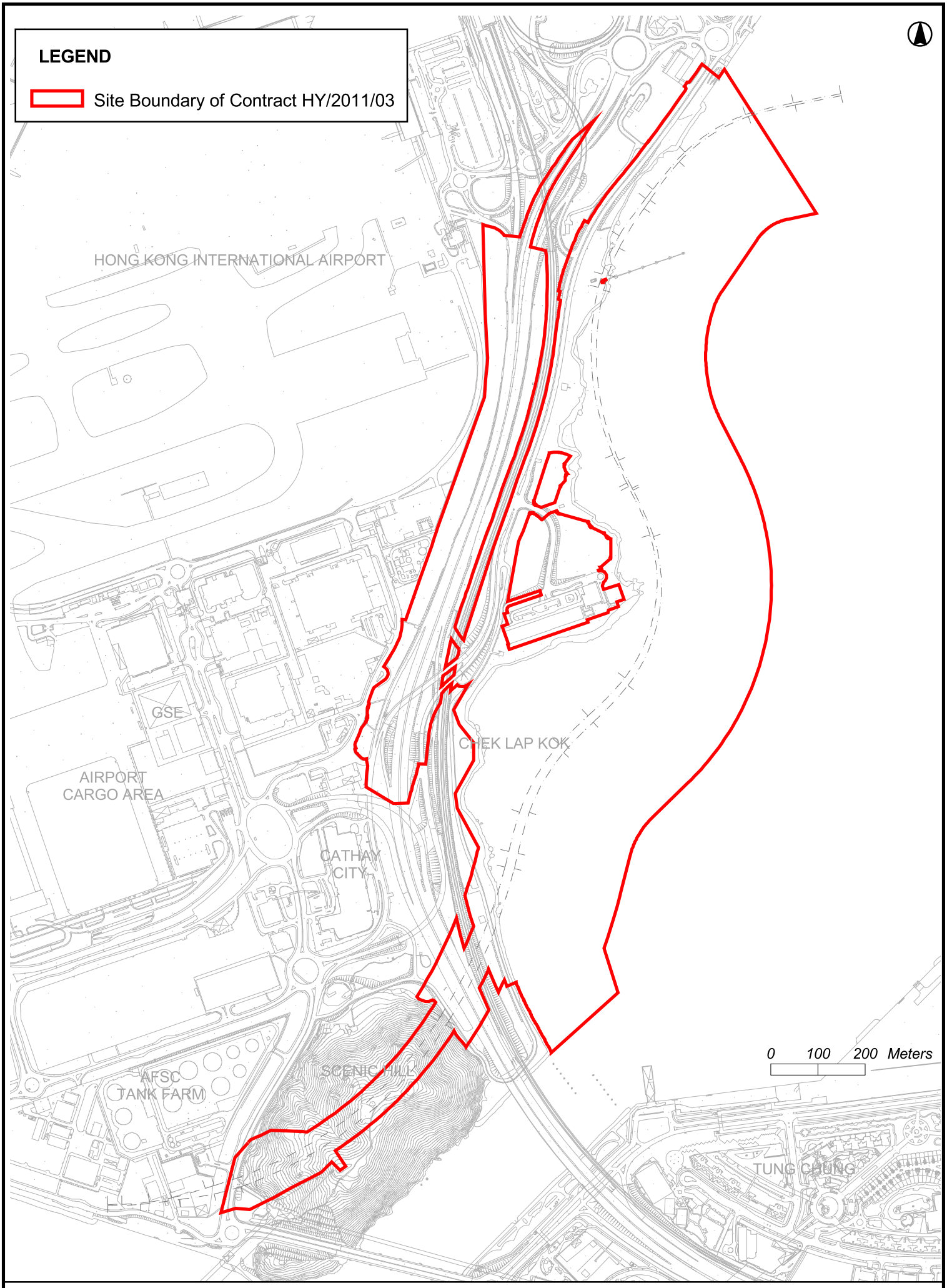
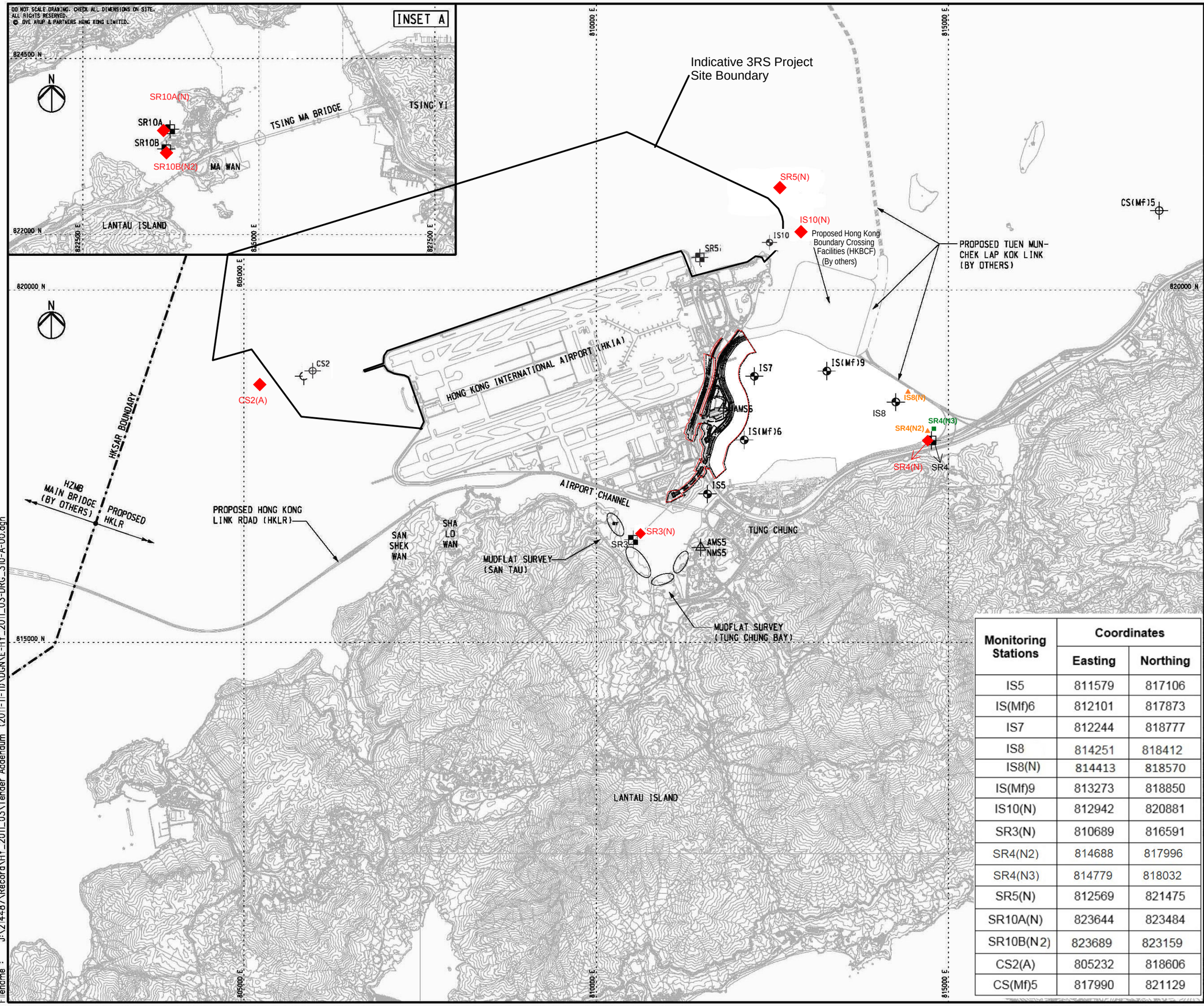
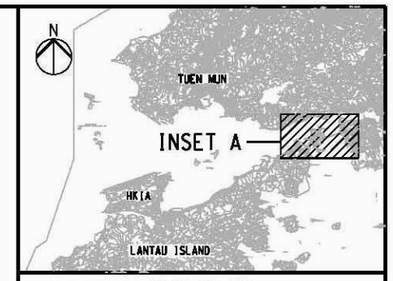


Figure 1.1 Location of the Site





KEY PLAN

NOTES

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

LEGEND

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

Monitoring Stations	Coordinates	
	Easting	Northing
IS5	811579	817106
IS(Mf)6	812101	817873
IS7	812244	818777
IS8	814251	818412
IS8(N)	814413	818570
IS(Mf)9	813273	818850
IS10(N)	812942	820881
SR3(N)	810689	816591
SR4(N2)	814688	817996
SR4(N3)	814779	818032
SR5(N)	812569	821475
SR10A(N)	823644	823484
SR10B(N2)	823689	823159
CS2(A)	805232	818606
CS(Mf)5	817990	821129

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

Consultant

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

Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

ENVIRONMENTAL MONITORING STATIONS

Drawing: Figure 2.1 — Rev. A

Drawn	Date	Checked	Approved
RY	11/11	AW	SK

Scale: 1:25000 @A1 — Status:

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

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

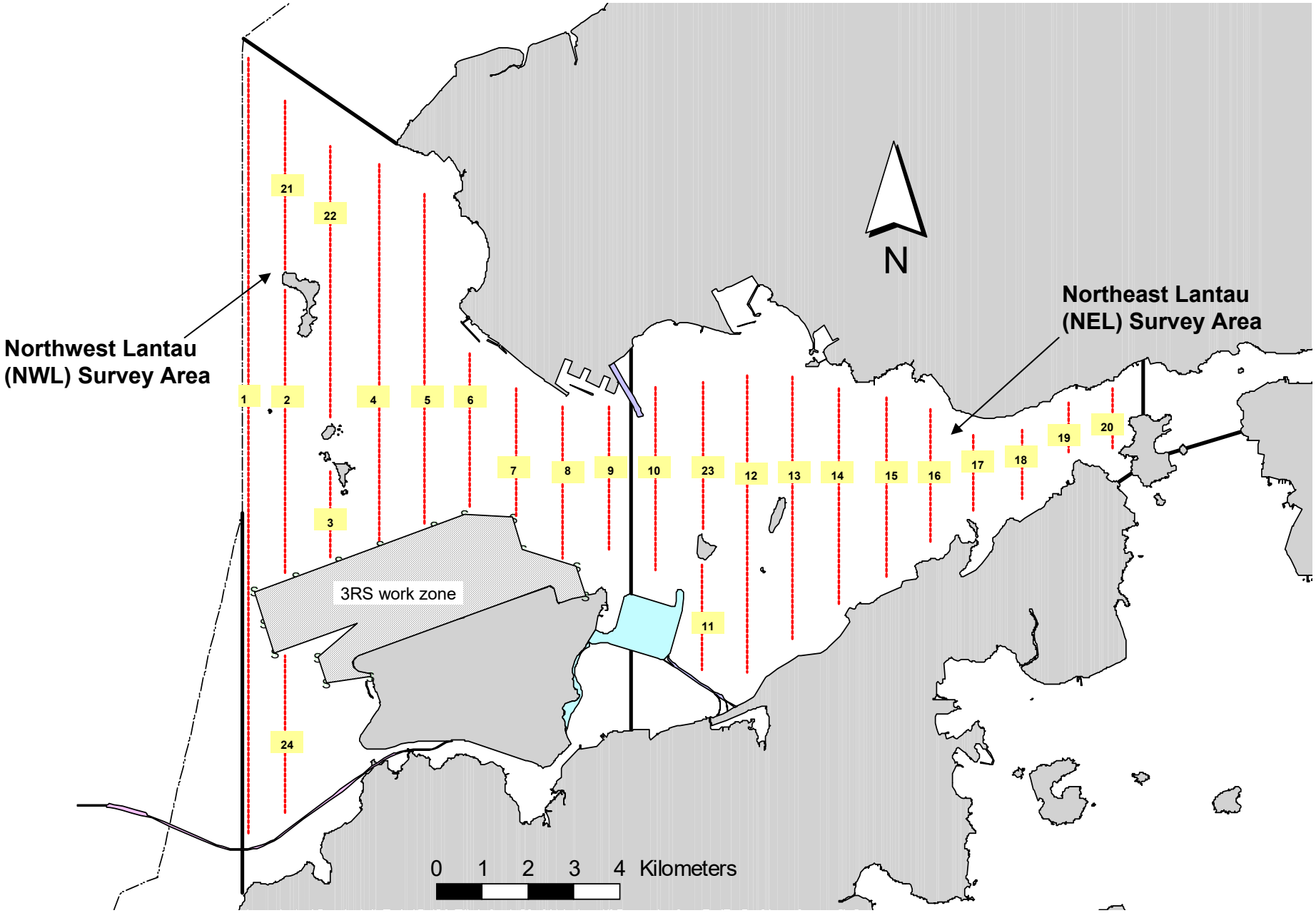
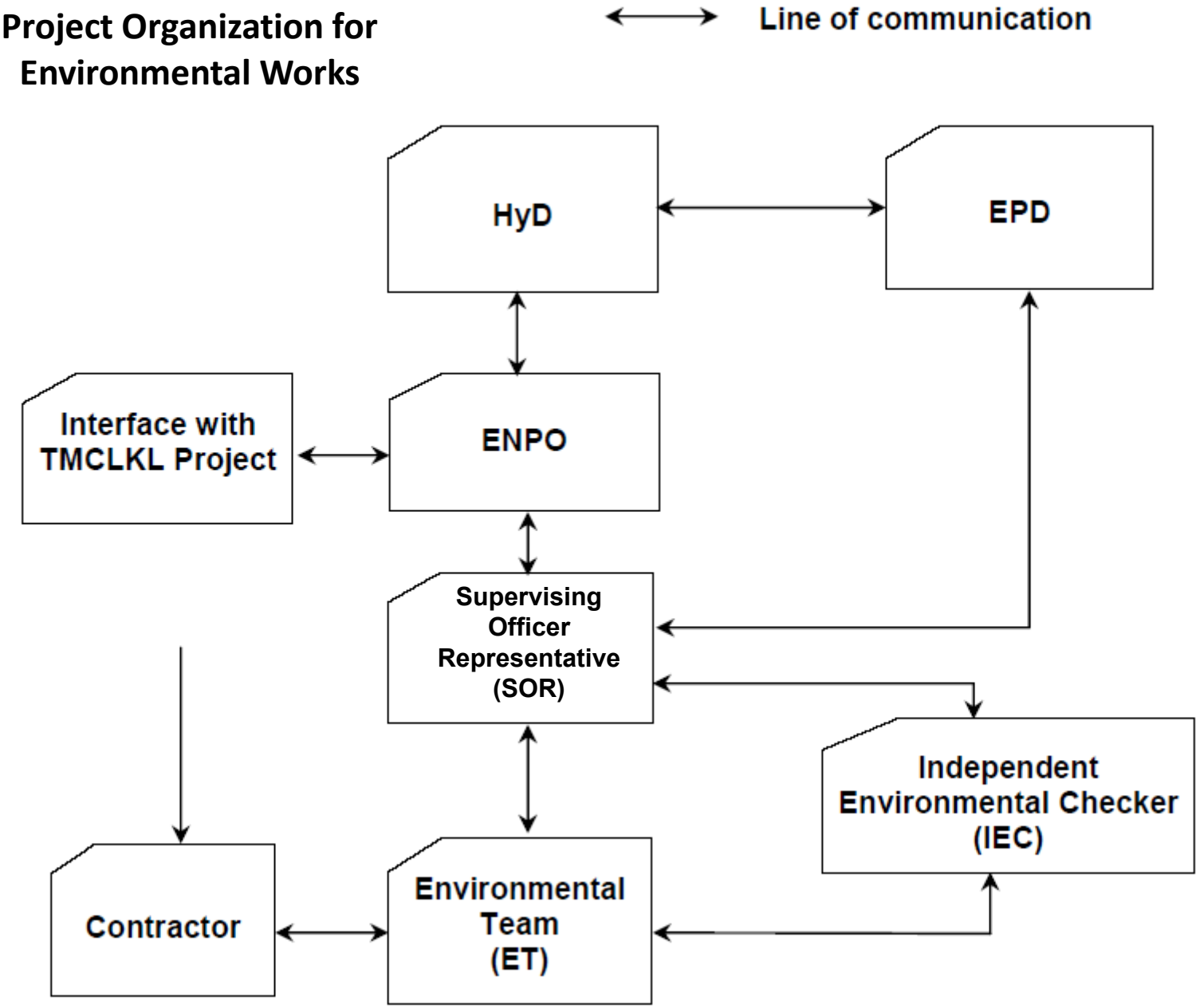


Figure 2.2. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

APPENDIX A

Environmental Management Structure

Project Organization for Environmental Works



APPENDIX B

Construction Programme

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

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

Construction Programme (May 2023 - Aug 2023)

Description	May-23				Jun-23				Jul-23				Aug-23			
	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																

APPENDIX C

Calibration Certificates

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

Certificate of Calibration
校正證書

Certificate No. : C231907
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC23-0587) Date of Receipt / 收件日期 : 20 March 2023

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

TEST CONDITIONS / 測試條件

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

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 1 April 2023

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed specified limits.
These limits refer to manufacturer's published tolerances as requested by the customer.
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 : K K Wong, Engineer

Date of Issue 簽發日期 : 6 April 2023

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

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

Certificate of Calibration
校正證書

Certificate No. : C231907
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 Sound Calibrator 4231, S/N : 3004068 was performed before the test.

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

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C230306
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 Value		UUT Reading (dB)	IEC 61672 Class 1 Limit (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 130	L_{AFP}	A	F	94.00	1	94.1	± 1.1

6.1.2 Linearity

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

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

6.2 Time Weighting

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

The test equipment used for calibration 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.
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c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C231907
證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

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

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Limit (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{CFP}	C	F	94.00	63 Hz	93.3	-0.8 ± 1.5
					125 Hz	93.9	-0.2 ± 1.5
					250 Hz	94.1	0.0 ± 1.4
					500 Hz	94.1	0.0 ± 1.4
					1 kHz	94.1	Ref.
					2 kHz	93.9	-0.2 ± 1.6
					4 kHz	93.2	-0.8 ± 1.6
					8 kHz	91.0	-3.0 (+2.1 ; -3.1)
					12.5 kHz	87.9	-6.2 (+3.0 ; -6.0)

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.
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c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C231907
證書編號

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

- Mfr's Limit : IEC 61672 Class 1

- Uncertainties of Applied Value :

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

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

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

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

The test equipment used for calibration 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.
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c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

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Sun Creation Engineering Limited
Calibration & Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C231906
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC23-0587) Date of Receipt / 收件日期 : 20 March 2023

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

TEST CONDITIONS / 測試條件

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

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 1 April 2023

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed specified limits.
These limits refer to manufacturer's published tolerances as requested by the customer.
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 : K K Wong, Engineer

Date of Issue 簽發日期 : 6 April 2023

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c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C231906
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	C223647
CL281	Multifunction Acoustic Calibrator	AV210017
TST150A	Measuring Amplifier	C221750

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

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

5.2 Frequency Accuracy

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

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

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

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

The test equipment used for calibration 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.
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c/o 香港新界屯門興安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : AMS5(Ma Wan Chung Village)
Calibrated by : P.F.Yeung
Date : 07/03/2023

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

Calibration Orifice and Standard Calibration 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) : 1021
Ta(K) : 295

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	11.8	3.467	1.696	55	55.50
2	13 holes	9.0	3.027	1.484	50	50.46
3	10 holes	6.6	2.593	1.273	44	44.40
4	7 holes	4.2	2.068	1.020	37	37.34
5	5 holes	2.5	1.596	0.792	30	30.27

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

Sampler Calibration Relationship

Slope(m):28.008 **Intercept(b):8.507** **Correlation Coefficient(r): 0.9992**

Checked by: Magnum Fan **Date: 08/03/2023**

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	**AMS5(Ma Wan Chung Village)**
Calibrated by	:	**P.F.Yeung**
Date	:	**04/05/2023**

Sampler

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

Calibration Orifice and Standard Calibration 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)	:	**1009**
Ta(K)	:	**301**

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1	18 holes	10.8	2.826	1.386	57	56.61
2	13 holes	8.4	2.493	1.225	52	51.64
3	10 holes	6.0	2.107	1.038	46	45.69
4	7 holes	4.0	1.720	0.852	40	39.73
5	5 holes	2.4	1.332	0.664	33	32.77

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

Sampler Calibration Relationship

Slope(m):32.809 **Intercept(b):11.391** **Correlation Coefficient(r): 0.9994**

Checked by: Magnum Fan **Date: 06/052023**

TISCH Environmental

RECALIBRATION DUE DATE:
December 15, 2023

Certificate of Calibration

Calibration Certification Information				
Cal. Date:	December 15, 2022	**Rootsmeter S/N:** 438320	**Ta:** 295	°K
Operator:	Jim Tisch		**Pa:** 742.4	mm Hg
Calibration Model #:	TE-5025A	**Calibrator S/N:** **2454**		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4060	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 Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H\left(Ta/Pa\right)}$ (y-axis)
0.9826	0.6988	1.4049	0.9957	0.7082	0.8914
0.9783	0.9803	1.9868	0.9914	0.9934	1.2607
0.9763	1.0970	2.2213	0.9894	1.1116	1.4095
0.9751	1.1445	2.3297	0.9881	1.1598	1.4783
0.9700	1.3778	2.8097	0.9829	1.3962	1.7829
QSTD	**m=**	**2.06918**	**QA**	**m=**	**1.29568**
	b=	**-0.04220**		**b=**	**-0.02677**
	r=	**0.99997**		**r=**	**0.99997**

Calculations

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

For subsequent flow rate calculations:

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

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

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

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

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

Tisch Environmental, Inc.
145 South Miami Avenue
Village of Cleves, OH 45002

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

EQUIPMENT CALIBRATION RECORD

Type :	Laser Dust Monitor
Manufacturer / Brand :	SIBATA
Model No.:	LD-5R
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

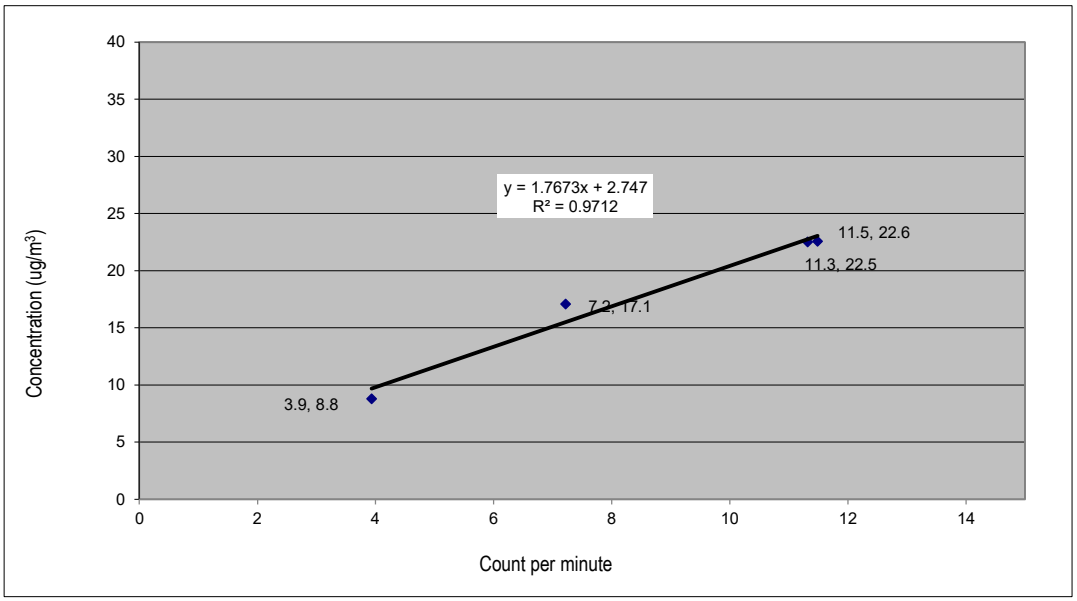
Date (dd-mmm-yy)	Time		Ambient Condition		Concentration (ug/m^3) Y-axis	Total Count	Count/Minute X-axis
			Temp (^oC)	R.H. (%)			
02-Jun-22	15:36	16:36	30.0	73%	22.5	679	11.3
02-Jun-22	16:42	17:42	31.4	63%	22.6	689	11.5
22-Jun-22	09:00	10:00	27.3	68%	17.1	433	7.2
22-Jun-22	12:40	13:40	27.7	63%	8.8	236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

Be Linear Regression of Y or X

Slope (K-factor): 1.7673 Intercept,b: 2.7470

Correlation coefficient (R): 0.9997

Remark: Srong Correlation (R>0.8)



Recorded by: Irene Tsang Signature: Date: 12-Jul-22

Checked by: Ruby Law Signature: Date: 12-Jul-22

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

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

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

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2305984

SUB-BATCH: 0
DATE OF ISSUE: 20-Feb-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [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:

Conductivity

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

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	152	+3.5
6667	6922	+3.8
12890	13059	+1.3
58670	26797	-54.3
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.95	2.80	-0.15
5.80	5.73	-0.07
7.87	7.82	-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	4.09	+0.09
7.0	7.08	+0.08
10.0	10.01	+0.01
	Tolerance Limit (pH unit)	±0.20

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

Mr Chan Siu Ming, Vico
Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2305984

SUB-BATCH: 0
DATE OF ISSUE: 20-Feb-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [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, Vice Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2305984

SUB-BATCH: 0
DATE OF ISSUE: 20-Feb-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [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:

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)
11.0	11.56	+0.6
19.5	19.12	-0.4
38.5	38.42	-0.1
	Tolerance Limit (°C)	±2.0

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

Mr Chan Siu Ming, Vico
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:	MR W S CHAN	**WORK ORDER:**	HK2317850
CLIENT:	AECOM ASIA COMPANY LIMITED		
ADDRESS:	1501-10, 15/F, TOWER 1, GRAND CENTRAL PLAZA, 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, NEW TERRITORIES, HONG KONG	**SUB-BATCH:** **LABORATORY:** **DATE RECEIVED:** **DATE OF ISSUE:**	0 HONG KONG 09-May-2023 12-May-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:	09-May-2023

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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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2317850

SUB-BATCH: 0
DATE OF ISSUE: 12-May-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [12A101545]/ [W.026.35]
Date of Calibration: 09-May-2023 Date of Next Calibration: 09-August-2023

PARAMETERS:

Conductivity

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

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	148	+0.7
6667	6683	+0.2
12890	12834	-0.4
58670	56255	-4.1
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.90	2.87	-0.03
4.65	4.67	+0.02
7.60	7.64	+0.04
	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	3.95	-0.05
7.0	7.11	+0.11
10.0	10.06	+0.06
	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

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2317850

SUB-BATCH: 0
DATE OF ISSUE: 12-May-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [12A101545]/ [W.026.35]
Date of Calibration: 09-May-2023 Date of Next Calibration: 09-August-2023

PARAMETERS:

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.0	+0.0
10	9.6	-4.0
20	19.1	-4.5
50	49.1	-1.8
100	99.7	-0.3
	Tolerance Limit (%)	±10.0

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.01	--
10	10.00	+0.0
20	19.74	-1.3
30	29.83	-0.6
	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

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2317850

SUB-BATCH: 0
DATE OF ISSUE: 12-May-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [12A101545]/ [W.026.35]
Date of Calibration: 09-May-2023 Date of Next Calibration: 09-August-2023

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)
10.0	9.91	-0.1
20.0	20.40	+0.4
37.0	36.91	-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

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
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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

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

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2305983

SUB-BATCH: 0
DATE OF ISSUE: 20-Feb-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 14-February-2023 Date of Next Calibration: 14-May-2023

PARAMETERS:

Conductivity

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

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	154	+4.8
6667	6832	+2.5
12890	13079	+1.5
58670	55007	-6.2
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.95	2.93	-0.02
5.80	5.84	+0.04
7.87	7.94	+0.07
	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	4.04	+0.04
7.0	7.00	+0.00
10.0	10.06	+0.06
	Tolerance Limit (pH unit)	±0.20

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

Mr Chan Siu Ming, Vico
Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2305983

SUB-BATCH: 0
DATE OF ISSUE: 20-Feb-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
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	0.0	--
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, Vic
Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2305983

SUB-BATCH: 0
DATE OF ISSUE: 20-Feb-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 14-February-2023 Date of Next Calibration: 14-May-2023

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)
11.0	10.89	-0.1
19.5	19.27	-0.2
38.5	38.32	-0.2
	Tolerance Limit (°C)	±2.0

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

Mr Chan Siu Ming, Vico
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:	MR W S CHAN	**WORK ORDER:**	HK2317851
CLIENT:	AECOM ASIA COMPANY LIMITED		
ADDRESS:	1501-10, 15/F, TOWER 1, GRAND CENTRAL PLAZA, 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, NEW TERRITORIES, HONG KONG	**SUB-BATCH:** **LABORATORY:** **DATE RECEIVED:** **DATE OF ISSUE:**	0 HONG KONG 09-May-2023 12-May-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:	09-May-2023

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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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2317851

SUB-BATCH: 0
DATE OF ISSUE: 12-May-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 09-May-2023 Date of Next Calibration: 09-August-2023

PARAMETERS:

Conductivity

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

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	146	-0.6
6667	6669	+0.0
12890	12860	-0.2
58670	56082	-4.4
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.90	2.96	+0.06
4.65	4.60	-0.05
7.60	7.56	-0.04
	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	4.02	+0.02
7.0	7.13	+0.13
10.0	10.06	+0.06
	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

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WORK ORDER: HK2317851

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CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 09-May-2023 Date of Next Calibration: 09-August-2023

PARAMETERS:

Turbidity

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	-0.1	--
4	4.3	+7.5
10	10.1	+1.0
20	18.7	-6.5
50	49.5	-1.0
100	97.2	-2.8
	Tolerance Limit (%)	±10.0

Salinity

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.01	--
10	10.07	+0.7
20	19.58	-2.1
30	29.78	-0.7
	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

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2317851

SUB-BATCH: 0
DATE OF ISSUE: 12-May-2023
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2]
Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 09-May-2023 Date of Next Calibration: 09-August-2023

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)
10.0	9.94	-0.1
20.0	20.22	+0.2
37.0	37.06	+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

APPENDIX D

Monitoring Schedule

Monitoring Schedule for May 2023

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

Monitoring Schedule for June 2023

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

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

APPENDIX E

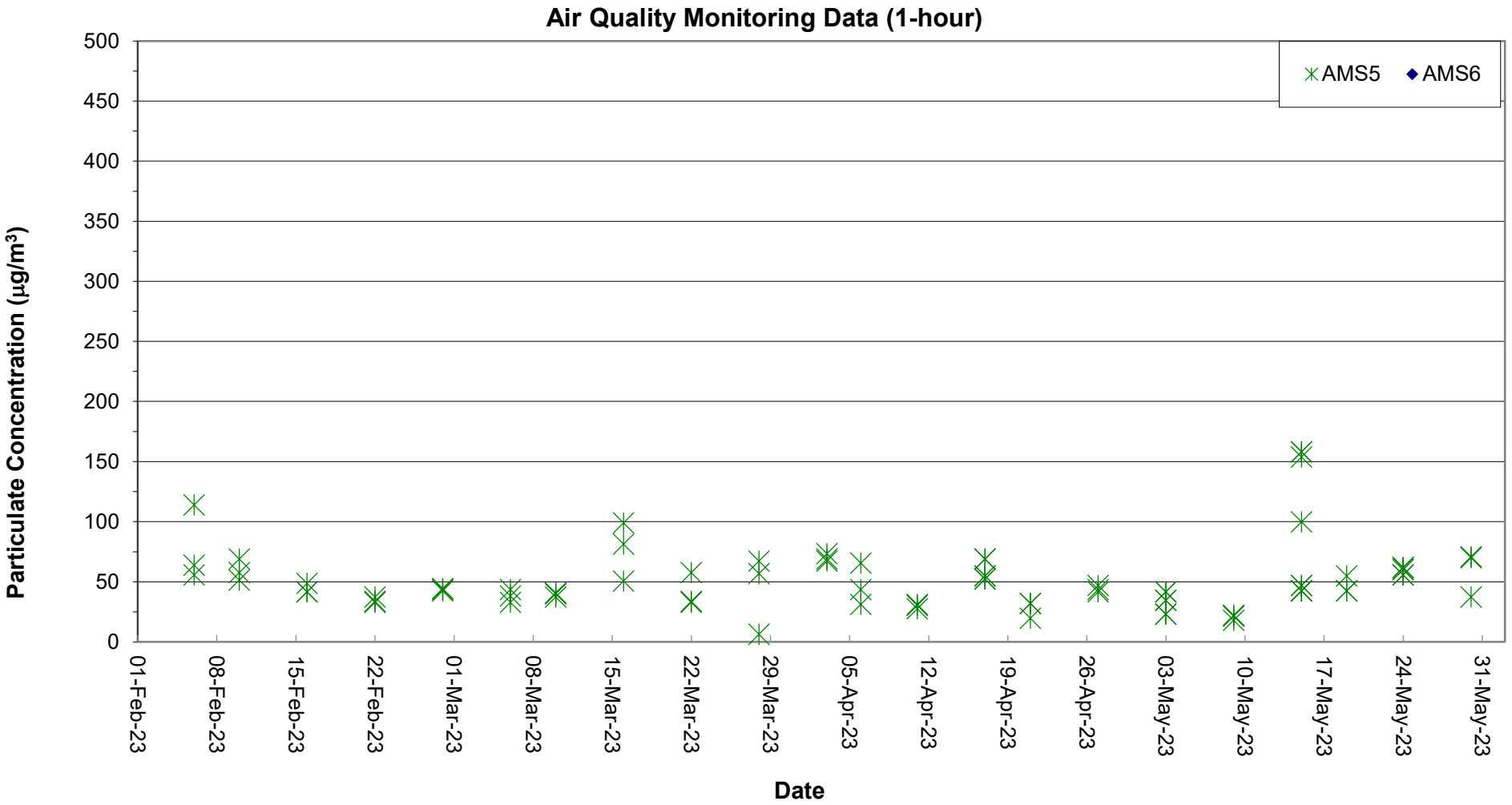
Monitoring Data and Graphical Plots

Air Quality Monitoring Data

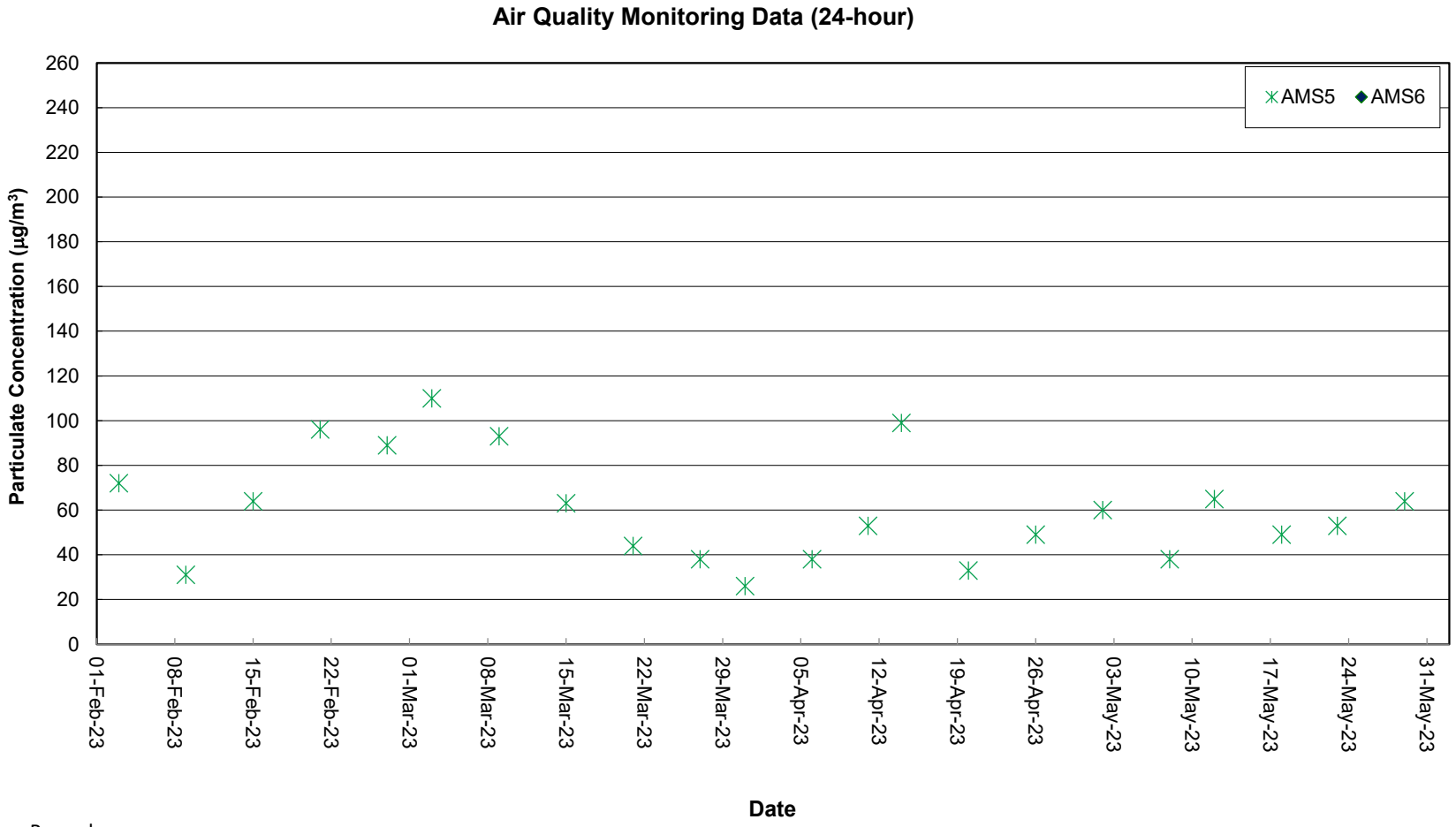
Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2023-05-03	AMS5	09:06	1-hr TSP	35	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-03	AMS5	10:06	1-hr TSP	23	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-03	AMS5	11:06	1-hr TSP	42	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-09	AMS5	09:12	1-hr TSP	22	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-09	AMS5	10:12	1-hr TSP	18	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-09	AMS5	11:12	1-hr TSP	21	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-15	AMS5	13:00	1-hr TSP	158	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-15	AMS5	14:00	1-hr TSP	47	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-15	AMS5	15:00	1-hr TSP	43	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-19	AMS5	09:00	1-hr TSP	55	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-19	AMS5	10:00	1-hr TSP	43	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-19	AMS5	11:00	1-hr TSP	43	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-24	AMS5	09:30	1-hr TSP	60	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-24	AMS5	10:30	1-hr TSP	62	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-24	AMS5	11:30	1-hr TSP	56	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-30	AMS5	09:06	1-hr TSP	37	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-30	AMS5	10:06	1-hr TSP	70	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-30	AMS5	11:06	1-hr TSP	71	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-02	AMS5	08:00	24-hr TSP	60	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-08	AMS5	08:00	24-hr TSP	38	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-12	AMS5	08:00	24-hr TSP	65	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-18	AMS5	08:00	24-hr TSP	49	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-23	AMS5	08:00	24-hr TSP	53	$\mu g/m^3$
HKLR	HY/2011/03	2023-05-29	AMS5	08:00	24-hr TSP	64	$\mu g/m^3$

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.


Air Quality Monitoring Data (1-hour)
Particulate Concentration (µg/m³)
500
450
400
350
300
250
200
150
100
50
0
AMS5
AMS6
01-Feb-23
08-Feb-23
15-Feb-23
22-Feb-23
01-Mar-23
08-Mar-23
15-Mar-23
22-Mar-23
29-Mar-23
05-Apr-23
12-Apr-23
19-Apr-23
26-Apr-23
03-May-23
10-May-23
17-May-23
24-May-23
31-May-23
Date

Graphical Plot of 24-hour TSP at AMS5 and AMS6



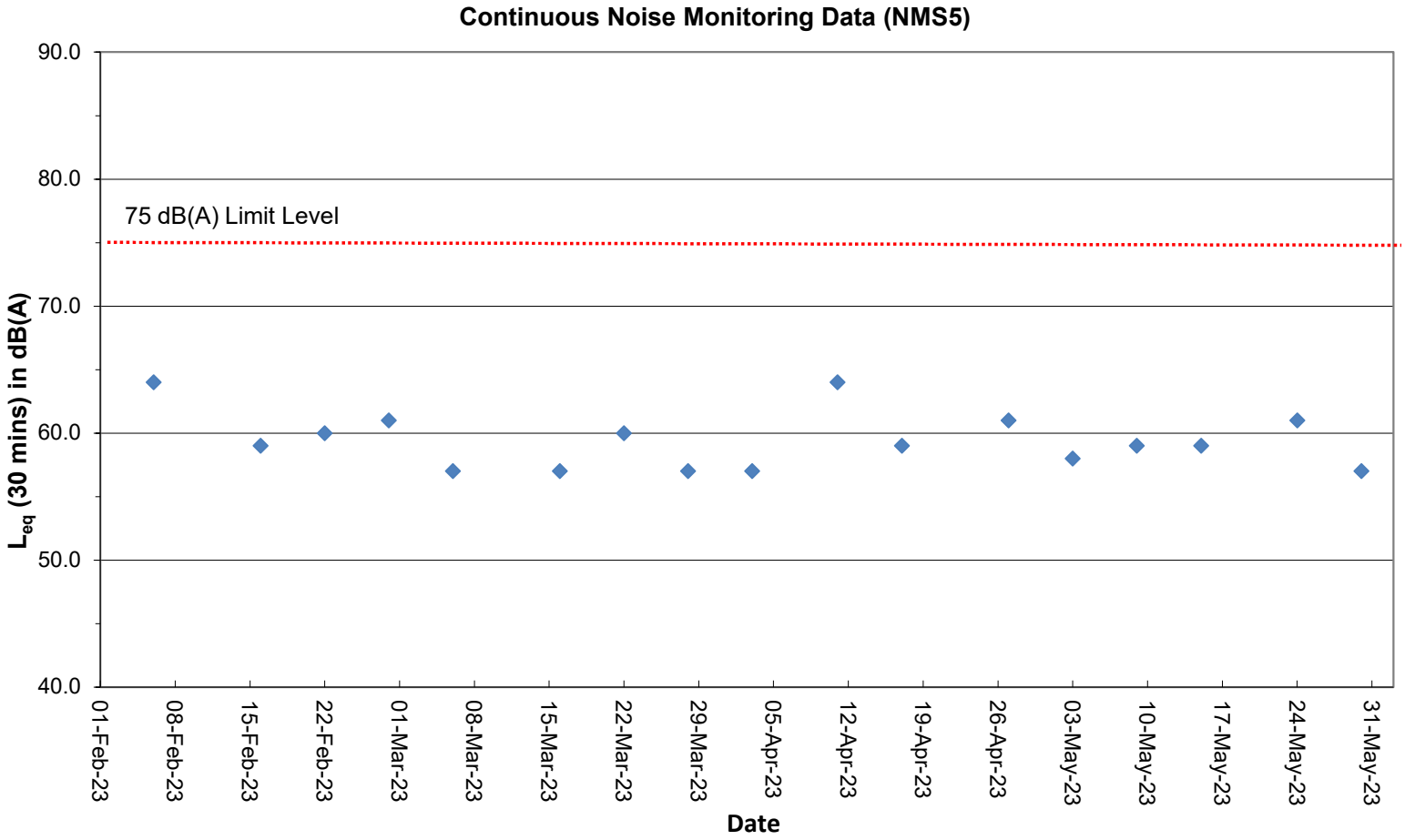
Remarks:

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 set 5mins		2nd set 5mins		3rd set 5mins		4th set 5mins		5th set 5mins		6th set 5mins		Overall (30mins)*		Unit
HKLR	HY/2011/03	2023-05-03	NMS5	11:29	<5	Leq:	55.6	Leq:	54.9	Leq:	55.3	Leq:	55.5	Leq:	56.4	Leq:	55.0	Leq:	58	dB(A)
						L10:	57.0	L10:	56.0	L10:	56.5	L10:	57.0	L10:	58.0	L10:	56.5	L10:	60	
						L90:	53.0	L90:	52.0	L90:	52.5	L90:	53.0	L90:	53.0	L90:	52.5	L90:	56	
HKLR	HY/2011/03	2023-05-09	NMS5	11:32	<5	Leq:	56.3	Leq:	54.6	Leq:	55.5	Leq:	55.7	Leq:	56.9	Leq:	58.4	Leq:	59	dB(A)
						L10:	57.5	L10:	55.5	L10:	57.0	L10:	57.0	L10:	58.5	L10:	60.0	L10:	61	
						L90:	54.5	L90:	52.5	L90:	53.0	L90:	53.0	L90:	54.5	L90:	55.5	L90:	57	
HKLR	HY/2011/03	2023-05-15	NMS5	13:30	<5	Leq:	55.5	Leq:	56.4	Leq:	56.3	Leq:	55.3	Leq:	55.7	Leq:	55.3	Leq:	59	dB(A)
						L10:	56.5	L10:	57.5	L10:	57.5	L10:	56.0	L10:	56.5	L10:	57.0	L10:	60	
						L90:	53.5	L90:	54.5	L90:	54.0	L90:	53.5	L90:	53.5	L90:	51.5	L90:	57	
HKLR	HY/2011/03	2023-05-24	NMS5	13:00	<5	Leq:	58.1	Leq:	60.1	Leq:	57.8	Leq:	57.8	Leq:	58.4	Leq:	57.6	Leq:	61	dB(A)
						L10:	61.0	L10:	60.5	L10:	58.5	L10:	58.5	L10:	59.0	L10:	59.0	L10:	63	
						L90:	54.5	L90:	56.0	L90:	56.5	L90:	57.0	L90:	57.0	L90:	55.5	L90:	59	
HKLR	HY/2011/03	2023-05-30	NMS5	11:30	<5	Leq:	57.5	Leq:	52.0	Leq:	52.9	Leq:	53.9	Leq:	50.4	Leq:	52.5	Leq:	57	dB(A)
						L10:	60.0	L10:	53.0	L10:	54.5	L10:	55.0	L10:	51.5	L10:	54.5	L10:	59	
						L90:	51.0	L90:	50.5	L90:	51.0	L90:	50.5	L90:	49.0	L90:	49.5	L90:	53	

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

Graphical Plot of Noise Levels at NMS5



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

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS5	11:52	1.0	Surface	1	1	24.78	8.04	29.94	102.90	7.0	3.4	3.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS5	11:51	1.0	Surface	1	2	24.79	8.05	29.95	104.30	7.1	3.3	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS5	11:51	4.3	Middle	2	1	24.54	8.00	30.40	101.30	6.9	3.8	2.7
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS5	11:52	4.3	Middle	2	2	24.52	7.99	30.42	101.20	6.9	3.7	2.9
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS5	11:51	7.5	Bottom	3	1	24.44	7.99	30.52	100.60	6.8	3.9	2.1
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS5	11:51	7.5	Bottom	3	2	24.55	7.99	30.51	100.50	6.8	4.0	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS(Mf)6	11:41	1.0	Surface	1	1	24.86	8.05	29.95	107.40	7.3	3.3	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS(Mf)6	11:40	1.0	Surface	1	2	24.85	8.05	29.95	107.10	7.3	3.3	2.5
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS(Mf)6	11:40	2.2	Bottom	3	1	24.79	8.04	30.11	106.80	7.3	3.7	3.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS(Mf)6	11:41	2.2	Bottom	3	2	24.82	8.05	30.07	107.00	7.3	3.6	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS7	11:31	1.0	Surface	1	1	24.82	8.04	29.86	106.20	7.2	3.3	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS7	11:31	1.0	Surface	1	2	24.80	8.04	29.88	105.70	7.2	3.3	2.9
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS7	11:31	2.2	Bottom	3	1	24.80	8.04	29.96	105.60	7.2	3.7	3.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS7	11:31	2.2	Bottom	3	2	24.77	8.04	29.96	106.00	7.2	3.7	4.0
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS8(N)	11:00	1.0	Surface	1	1	24.76	8.03	29.82	104.50	7.2	3.1	4.1
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS8(N)	10:59	1.0	Surface	1	2	24.78	8.04	29.79	104.40	7.1	3.2	3.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS8(N)	10:59	3.0	Bottom	3	1	24.74	8.02	30.02	104.00	7.1	3.4	2.5
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS8(N)	10:59	3.0	Bottom	3	2	24.73	8.03	30.06	104.20	7.1	3.5	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS(Mf)9	11:21	1.0	Surface	1	1	24.83	8.05	29.84	106.10	7.2	3.2	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS(Mf)9	11:21	1.0	Surface	1	2	24.83	8.05	29.85	105.80	7.2	3.1	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS(Mf)9	11:21	2.5	Bottom	3	1	24.81	8.04	29.94	105.20	7.2	3.7	3.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	IS(Mf)9	11:21	2.5	Bottom	3	2	24.77	8.04	29.96	104.60	7.1	3.6	3.5
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	IS10(N)	11:05	1.0	Surface	1	1	25.11	8.11	26.96	100.90	7.4	2.7	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	IS10(N)	11:04	1.0	Surface	1	2	25.09	8.11	26.83	101.20	7.5	2.6	2.3
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	IS10(N)	11:04	5.3	Middle	2	1	24.91	8.09	28.71	100.00	7.3	2.8	3.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	IS10(N)	11:05	5.3	Middle	2	2	24.95	8.10	28.52	99.80	7.3	2.7	3.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	IS10(N)	11:04	9.5	Bottom	3	1	24.83	8.08	30.63	99.90	7.3	2.9	3.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	IS10(N)	11:05	9.5	Bottom	3	2	24.78	8.06	30.43	99.00	7.2	2.8	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	SR3(N)	12:02	1.0	Surface	1	1	24.84	8.04	29.95	104.90	7.2	3.6	3.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	SR3(N)	12:02	1.0	Surface	1	2	24.85	8.05	29.93	105.70	7.2	3.6	3.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	SR3(N)	12:02	2.2	Bottom	3	1	24.83	8.04	30.10	104.70	7.1	3.8	2.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	SR3(N)	12:01	2.2	Bottom	3	2	24.77	8.03	30.13	103.70	7.1	4.0	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	SR4(N3)	11:09	1.0	Surface	1	1	24.79	8.02	29.78	103.40	7.1	3.1	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	SR4(N3)	11:09	1.0	Surface	1	2	24.75	8.02	29.76	104.50	7.1	3.0	2.9
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	SR4(N3)	11:09	2.9	Bottom	3	1	24.73	8.00	30.02	103.70	7.1	3.2	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	SR4(N3)	11:09	2.9	Bottom	3	2	24.70	8.02	30.02	105.00	7.2	3.2	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR5(N)	11:17	1.0	Surface	1	1	25.05	8.11	27.77	100.60	7.4	2.6	3.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR5(N)	11:16	1.0	Surface	1	2	25.14	8.11	27.13	101.30	7.5	2.6	3.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR5(N)	11:16	4.7	Middle	2	1	24.95	8.10	28.56	99.90	7.3	2.7	3.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR5(N)	11:17	4.7	Middle	2	2	24.93	8.09	28.70	99.30	7.3	2.6	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR5(N)	11:16	8.3	Bottom	3	1	24.77	8.06	30.56	98.90	7.2	2.8	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR5(N)	11:15	8.3	Bottom	3	2	24.79	8.07	30.42	99.10	7.2	2.7	2.5
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10A(N)	10:15	1.0	Surface	1	1	24.56	8.07	31.13	96.40	7.0	2.4	3.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10A(N)	10:16	1.0	Surface	1	2	24.55	8.07	31.17	96.30	7.0	2.3	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10A(N)	10:16	6.2	Middle	2	1	24.55	8.07	31.16	96.20	7.0	2.5	4.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10A(N)	10:15	6.2	Middle	2	2	24.55	8.07	31.15	96.10	7.0	2.6	3.9
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10A(N)	10:15	11.4	Bottom	3	1	24.54	8.07	31.18	96.00	6.9	2.7	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10A(N)	10:15	11.4	Bottom	3	2	24.55	8.07	31.17	96.00	6.9	2.7	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10B(N2)	10:06	1.0	Surface	1	1	24.53	8.07	31.22	96.30	7.0	2.3	3.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10B(N2)	10:06	1.0	Surface	1	2	24.53	8.06	31.22	96.30	7.0	2.2	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10B(N2)	10:06	3.6	Middle	2	1	24.54	8.06	31.21	96.20	7.0	2.5	3.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10B(N2)	10:06	3.6	Middle	2	2	24.54	8.06	31.17	96.30	7.0	2.5	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10B(N2)	10:06	6.1	Bottom	3	1	24.54	8.06	31.20	96.00	7.0	2.6	3.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	SR10B(N2)	10:05	6.1	Bottom	3	2	24.54	8.05	31.17	96.20	7.0	2.6	3.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	CS2(A)	12:06	1.0	Surface	1	1	25.19	8.07	28.53	108.10	7.9	3.0	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	CS2(A)	12:07	1.0	Surface	1	2	25.23	8.06	28.41	108.10	7.9	2.9	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	CS2(A)	12:06	3.3	Middle	2	1	24.86	8.09	30.64	106.60	7.7	3.1	2.9
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	CS2(A)	12:07	3.3	Middle	2	2	25.08	8.07	30.29	106.60	7.7	3.1	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	CS2(A)	12:07	5.5	Bottom	3	1	24.85	8.09	31.37	106.00	7.7	3.2	3.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Sunny	CS2(A)	12:06	5.5	Bottom	3	2	24.85	8.09	31.41	106.10	7.7	3.1	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	CS(Mf)5	10:06	1.0	Surface	1	1	24.70	8.01	29.93	102.90	7.0	3.1	2.2
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	CS(Mf)5	10:06	1.0	Surface	1	2	24.72	8.02	29.88	103.20	7.0	3.0	2.5
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	CS(Mf)5	10:06	6.4	Middle	2	1	24.48	7.99	30.38	100.10	6.8	3.2	1.9
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	CS(Mf)5	10:05	6.4	Middle	2	2	24.50	7.98	30.37	101.30	6.9	3.3	1.8
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	CS(Mf)5	10:06	11.7	Bottom	3	1	24.49	7.98	30.54	99.10	6.7	3.5	2.7
HKLR	HY/2011/03	2023-05-01	Mid-Ebb	Fine	CS(Mf)5	10:05	11.7	Bottom	3	2	24.55	7.98	30.50	99.60	6.8	3.5	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS5	15:11	1.0	Surface	1	1	25.02	8.04	29.94	109.10	7.5	3.6	2.1
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS5	15:11	1.0	Surface	1	2	25.04	8.03	29.96	109.70	7.5	3.7	2.3
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS5	15:11	4.2	Middle	2	1	24.91	8.02	30.19	107.90	7.4	3.9	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS5	15:11	4.2	Middle	2	2	24.93	8.02	30.17	108.30	7.4	3.9	2.9
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS5	15:11	7.4	Bottom	3	1	24.92	8.02	30.18	108.30	7.5	4.0	3.4
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS5	15:11	7.4	Bottom	3	2	24.88	8.03	30.20	107.60	7.4	4.0	3.2
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS(Mf)6	15:22	1.0	Surface	1	1	25.04	8.04	29.90	111.30	7.7	3.7	4.1
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS(Mf)6	15:22	1.0	Surface	1	2	25.03	8.04	29.90	110.20	7.6	3.7	4.5
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS(Mf)6	15:22	2.2	Bottom	3	1	24.99	8.04	29.97	109.40	7.5	4.0	3.8
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS(Mf)6	15:21	2.2	Bottom	3	2	24.94	8.04	29.99	107.40	7.4	4.1	3.6
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS7	15:32	1.0	Surface	1	1	25.01	8.04	29.88	110.70	7.6	3.5	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS7	15:32	1.0	Surface	1	2	24.99	8.04	29.89	110.50	7.6	3.6	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS7	15:31	2.3	Bottom	3	1	24.95	8.04	30.00	110.10	7.6	3.8	2.1
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS7	15:32	2.3	Bottom	3	2	24.97	8.03	29.97	110.30	7.6	3.8	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS8(N)	16:03	1.0	Surface	1	1	24.92	8.02	29.89	107.40	7.4	3.5	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS8(N)	16:04	1.0	Surface	1	2	24.95	8.03	29.85	108.20	7.5	3.5	2.9
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS8(N)	16:03	3.0	Bottom	3	1	24.85	8.02	30.06	106.90	7.4	3.8	3.7
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS8(N)	16:04	3.0	Bottom	3	2	24.91	8.02	29.98	107.60	7.4	3.8	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS(Mf)9	15:43	1.0	Surface	1	1	25.06	8.04	29.86	111.40	7.7	3.4	3.5
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS(Mf)9	15:42	1.0	Surface	1	2	25.05	8.04	29.87	110.70	7.6	3.5	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS(Mf)9	15:42	2.6	Bottom	3	1	25.02	8.04	29.97	110.90	7.6	3.7	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	IS(Mf)9	15:42	2.6	Bottom	3	2	24.99	8.03	29.97	110.20	7.6	3.7	3.1
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	IS10(N)	16:08	1.0	Surface	1	1	25.85	8.06	25.26	105.00	7.7	2.6	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	IS10(N)	16:07	1.0	Surface	1	2	25.76	8.07	25.29	103.50	7.6	2.5	2.0
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	IS10(N)	16:08	5.3	Middle	2	1	25.36	8.05	27.17	100.30	7.4	2.7	2.0
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	IS10(N)	16:07	5.3	Middle	2	2	25.27	8.05	28.42	100.70	7.4	2.6	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	IS10(N)	16:07	9.6	Bottom	3	1	25.03	8.03	28.89	98.60	7.2	2.9	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	IS10(N)	16:06	9.6	Bottom	3	2	24.93	8.02	29.47	99.00	7.2	2.8	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	SR3(N)	15:02	1.0	Surface	1	1	25.05	8.04	29.94	111.30	7.6	3.8	3.1
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	SR3(N)	15:02	1.0	Surface	1	2	25.04	8.04	29.94	110.40	7.6	3.7	3.5
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	SR3(N)	15:02	2.3	Bottom	3	1	25.04	8.05	29.97	109.90	7.6	3.8	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	SR3(N)	15:02	2.3	Bottom	3	2	25.01	8.05	29.99	108.80	7.4	4.0	2.2
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	SR4(N3)	15:52	1.0	Surface	1	1	24.97	8.03	29.81	107.80	7.4	3.3	2.7
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	SR4(N3)	15:52	1.0	Surface	1	2	24.96	8.02	29.83	107.40	7.4	3.4	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	SR4(N3)	15:52	2.9	Bottom	3	1	24.96	8.01	29.94	107.10	7.4	3.5	3.5
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	SR4(N3)	15:52	2.9	Bottom	3	2	24.91	8.01	29.95	106.60	7.3	3.5	3.8
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR5(N)	15:58	1.0	Surface	1	1	25.88	8.07	25.19	105.50	7.8	2.4	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR5(N)	15:57	1.0	Surface	1	2	25.87	8.07	25.20	105.40	7.7	2.4	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR5(N)	15:57	4.8	Middle	2	1	25.29	8.05	27.58	99.80	7.3	2.5	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR5(N)	15:58	4.8	Middle	2	2	25.22	8.05	28.40	99.70	7.3	2.5	2.1
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR5(N)	15:58	8.5	Bottom	3	1	25.00	8.03	29.08	98.50	7.2	2.8	1.9
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR5(N)	15:56	8.5	Bottom	3	2	25.02	8.04	28.97	98.80	7.2	2.7	1.7
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10A(N)	16:53	1.0	Surface	1	1	24.88	8.05	30.55	97.90	7.1	2.2	3.8
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10A(N)	16:52	1.0	Surface	1	2	24.93	8.05	30.47	98.00	7.1	2.3	4.1
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10A(N)	16:52	6.4	Middle	2	1	24.77	8.05	30.82	96.90	7.0	2.2	3.5
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10A(N)	16:52	6.4	Middle	2	2	24.79	8.05	30.72	97.10	7.0	2.3	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10A(N)	16:53	11.7	Bottom	3	1	24.70	8.05	31.01	96.90	7.0	2.4	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10A(N)	16:52	11.7	Bottom	3	2	24.69	8.05	31.03	96.60	7.0	2.3	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10B(N2)	17:03	1.0	Surface	1	1	24.92	8.05	30.53	98.10	7.1	2.3	4.3
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10B(N2)	17:02	1.0	Surface	1	2	24.97	8.05	30.46	97.90	7.1	2.3	3.9
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10B(N2)	17:02	3.7	Middle	2	1	24.81	8.05	30.75	96.90	7.0	2.4	3.4
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10B(N2)	17:03	3.7	Middle	2	2	24.81	8.05	30.80	97.00	7.0	2.3	3.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10B(N2)	17:02	6.3	Bottom	3	1	24.71	8.05	31.00	96.70	7.0	2.4	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	SR10B(N2)	17:02	6.3	Bottom	3	2	24.72	8.05	30.99	96.80	7.0	2.3	2.6
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	CS2(A)	15:05	1.0	Surface	1	1	25.73	8.02	24.41	106.80	7.9	2.6	2.4
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	CS2(A)	15:05	1.0	Surface	1	2	25.73	8.02	24.46	107.10	7.9	2.8	2.2
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	CS2(A)	15:05	3.3	Middle	2	1	25.40	8.05	25.94	103.90	7.7	2.7	3.0
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	CS2(A)	15:04	3.3	Middle	2	2	25.28	8.05	27.84	103.80	7.6	2.8	2.7
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	CS2(A)	15:05	5.6	Bottom	3	1	25.02	8.05	28.84	103.10	7.5	2.8	3.7
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Sunny	CS2(A)	15:04	5.6	Bottom	3	2	24.93	8.06	30.77	103.30	7.5	2.9	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	CS(Mf)5	16:47	1.0	Surface	1	1	24.86	8.02	29.88	101.40	7.0	3.2	3.9
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	CS(Mf)5	16:47	1.0	Surface	1	2	24.87	8.02	29.87	101.10	7.0	3.2	3.3
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	CS(Mf)5	16:47	6.4	Middle	2	1	24.41	7.96	30.66	98.80	6.8	3.5	3.2
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	CS(Mf)5	16:47	6.4	Middle	2	2	24.42	7.96	30.63	99.00	6.8	3.2	2.8
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	CS(Mf)5	16:46	11.8	Bottom	3	1	24.37	7.96	30.72	98.00	6.7	3.5	2.5
HKLR	HY/2011/03	2023-05-01	Mid-Flood	Fine	CS(Mf)5	16:47	11.8	Bottom	3	2	24.41	7.96	30.22	97.90	6.7	3.5	2.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS5	12:51	1.0	Surface	1	1	25.24	8.07	29.65	113.50	8.1	3.6	4.2
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS5	12:51	1.0	Surface	1	2	25.16	8.07	29.51	115.10	8.2	3.5	3.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS5	12:50	4.2	Middle	2	1	24.96	8.07	30.10	114.60	8.2	3.9	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS5	12:51	4.2	Middle	2	2	24.96	8.07	30.11	113.30	8.1	3.8	3.7
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS5	12:51	7.4	Bottom	3	1	24.97	8.07	30.15	112.50	8.0	3.8	3.7
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS5	12:50	7.4	Bottom	3	2	24.98	8.07	30.15	113.30	8.1	3.9	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS(Mf)6	12:40	1.0	Surface	1	1	25.17	8.09	29.59	112.90	8.0	3.6	3.7
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS(Mf)6	12:40	1.0	Surface	1	2	25.15	8.09	29.56	112.90	8.0	3.6	3.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS(Mf)6	12:40	2.1	Bottom	3	1	25.06	8.08	29.82	112.80	8.0	3.7	4.2
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS(Mf)6	12:40	2.1	Bottom	3	2	25.10	8.08	29.87	112.50	8.0	3.6	4.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS7	12:30	1.0	Surface	1	1	25.10	8.08	29.52	113.50	8.1	3.6	3.2
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS7	12:29	1.0	Surface	1	2	25.15	8.08	29.54	113.30	8.1	3.5	3.5
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS7	12:29	2.0	Bottom	3	1	25.07	8.07	29.86	113.20	8.1	3.5	3.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS7	12:29	2.0	Bottom	3	2	25.03	8.07	29.87	113.50	8.1	3.5	3.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS8(N)	11:58	1.0	Surface	1	1	25.22	8.10	29.56	113.40	8.1	3.9	4.0
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS8(N)	11:58	1.0	Surface	1	2	25.24	8.10	29.55	113.30	8.1	3.9	4.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS8(N)	11:58	3.1	Bottom	3	1	25.11	8.09	29.83	113.10	8.0	3.8	3.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS8(N)	11:58	3.1	Bottom	3	2	25.11	8.09	29.88	113.30	8.1	3.9	3.6
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS(Mf)9	12:20	1.0	Surface	1	1	25.21	8.07	29.57	114.50	8.2	3.5	3.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS(Mf)9	12:19	1.0	Surface	1	2	25.21	8.09	29.65	114.70	8.2	3.6	3.0
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS(Mf)9	12:19	2.7	Bottom	3	1	25.13	8.06	29.86	114.30	8.2	3.8	4.2
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	IS(Mf)9	12:19	2.7	Bottom	3	2	25.09	8.09	29.90	114.60	8.2	3.7	4.6
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	IS10(N)	11:41	1.0	Surface	1	1	24.66	8.05	29.80	105.30	7.5	3.8	3.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	IS10(N)	11:42	1.0	Surface	1	2	24.67	8.05	29.81	105.40	7.5	3.9	3.0
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	IS10(N)	11:42	5.3	Middle	2	1	24.57	8.04	30.09	103.40	7.3	4.2	4.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	IS10(N)	11:41	5.3	Middle	2	2	24.58	8.04	30.08	104.00	7.4	4.3	4.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	IS10(N)	11:42	9.5	Bottom	3	1	24.59	8.04	30.15	104.00	7.3	4.7	2.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	IS10(N)	11:41	9.5	Bottom	3	2	24.58	8.04	30.13	104.00	7.3	4.7	2.6
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	SR3(N)	13:01	1.0	Surface	1	1	25.23	8.01	29.59	112.60	7.9	3.2	3.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	SR3(N)	13:02	1.0	Surface	1	2	25.24	8.01	29.52	112.90	7.9	3.3	3.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	SR3(N)	13:01	2.2	Bottom	3	1	25.20	8.00	29.76	112.50	7.9	3.2	5.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	SR3(N)	13:01	2.2	Bottom	3	2	25.21	8.01	29.67	112.20	7.9	3.3	5.0
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	SR4(N3)	12:08	1.0	Surface	1	1	25.23	8.11	29.54	113.50	8.1	3.8	4.0
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	SR4(N3)	12:09	1.0	Surface	1	2	25.22	8.11	29.55	113.70	8.1	3.8	4.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	SR4(N3)	12:08	2.8	Bottom	3	1	25.16	8.11	29.80	113.60	8.1	3.8	2.5
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	SR4(N3)	12:08	2.8	Bottom	3	2	25.16	8.10	29.74	113.30	8.1	3.8	2.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR5(N)	11:52	1.0	Surface	1	1	24.65	8.05	29.82	103.70	7.3	3.9	4.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR5(N)	11:52	1.0	Surface	1	2	24.65	8.05	29.82	103.60	7.3	3.8	4.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR5(N)	11:52	4.8	Middle	2	1	24.59	8.04	30.04	102.70	7.3	4.0	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR5(N)	11:51	4.8	Middle	2	2	24.59	8.04	30.07	103.00	7.3	4.1	3.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR5(N)	11:51	8.5	Bottom	3	1	24.55	8.03	30.18	103.30	7.3	4.4	2.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR5(N)	11:52	8.5	Bottom	3	2	24.57	8.03	30.16	103.00	7.3	4.6	2.5
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10A(N)	10:57	1.0	Surface	1	1	24.74	8.04	30.02	103.20	7.3	3.3	3.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10A(N)	10:56	1.0	Surface	1	2	24.78	8.04	29.96	102.80	7.3	3.4	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10A(N)	10:56	6.6	Middle	2	1	24.65	8.02	30.29	101.90	7.2	3.5	4.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10A(N)	10:56	6.6	Middle	2	2	24.64	8.02	30.32	101.50	7.1	3.5	4.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10A(N)	10:56	12.2	Bottom	3	1	24.69	8.02	30.34	102.40	7.2	4.1	5.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10A(N)	10:56	12.2	Bottom	3	2	24.66	8.02	30.34	102.50	7.2	4.1	5.1
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10B(N2)	10:45	1.0	Surface	1	1	24.80	8.03	29.94	110.10	7.7	3.3	4.1
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10B(N2)	10:45	1.0	Surface	1	2	24.81	8.02	29.93	109.00	7.7	3.3	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10B(N2)	10:44	3.8	Middle	2	1	24.71	8.01	30.13	106.40	7.5	3.5	2.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10B(N2)	10:45	3.8	Middle	2	2	24.72	8.02	30.08	104.50	7.4	3.5	2.7
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10B(N2)	10:45	6.6	Bottom	3	1	24.67	8.01	30.25	103.60	7.3	3.8	3.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	SR10B(N2)	10:44	6.6	Bottom	3	2	24.66	8.01	30.25	103.40	7.3	3.7	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	CS2(A)	12:41	1.0	Surface	1	1	24.63	8.05	29.74	104.30	7.4	4.1	3.5
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	CS2(A)	12:41	1.0	Surface	1	2	24.63	8.06	29.76	104.10	7.4	4.1	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	CS2(A)	12:41	3.4	Middle	2	1	24.59	8.05	29.90	103.60	7.3	4.3	4.9
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	CS2(A)	12:40	3.4	Middle	2	2	24.60	8.06	29.90	103.50	7.3	4.5	4.5
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	CS2(A)	12:41	5.7	Bottom	3	1	24.57	8.05	30.04	104.00	7.3	4.9	3.2
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Fine	CS2(A)	12:40	5.7	Bottom	3	2	24.56	8.05	30.03	104.20	7.4	4.7	3.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	CS(Mf)5	11:05	1.0	Surface	1	1	25.19	8.10	29.74	113.50	8.1	4.2	4.4
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	CS(Mf)5	11:04	1.0	Surface	1	2	25.15	8.13	29.61	111.90	8.0	4.1	4.0
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	CS(Mf)5	11:04	6.1	Middle	2	1	24.92	8.11	30.15	111.70	7.9	4.2	5.0
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	CS(Mf)5	11:05	6.1	Middle	2	2	24.91	8.08	30.20	113.00	8.0	4.3	4.6
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	CS(Mf)5	11:03	11.1	Bottom	3	1	24.92	8.10	30.21	110.90	7.9	4.2	3.3
HKLR	HY/2011/03	2023-05-03	Mid-Ebb	Sunny	CS(Mf)5	11:04	11.1	Bottom	3	2	24.90	8.07	30.22	111.70	7.9	4.3	3.0
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS5	16:42	1.0	Surface	1	1	25.17	8.04	29.66	113.70	8.0	3.5	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS5	16:43	1.0	Surface	1	2	25.15	8.04	29.62	114.30	8.1	3.3	4.1
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS5	16:42	4.2	Middle	2	1	24.94	8.03	30.17	113.00	8.0	3.3	4.5
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS5	16:42	4.2	Middle	2	2	24.93	8.03	30.12	114.00	8.1	3.4	4.2
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS5	16:42	7.3	Bottom	3	1	24.95	8.03	30.14	114.00	8.1	3.5	5.0
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS5	16:41	7.3	Bottom	3	2	24.96	8.03	30.16	112.90	8.0	3.3	4.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS(Mf)6	16:51	1.0	Surface	1	1	25.18	8.05	29.61	114.90	8.1	3.8	2.9
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS(Mf)6	16:52	1.0	Surface	1	2	25.17	8.05	29.60	114.70	8.1	3.9	2.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS(Mf)6	16:51	2.1	Bottom	3	1	25.15	8.04	29.84	114.70	8.1	3.8	3.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS(Mf)6	16:51	2.1	Bottom	3	2	25.12	8.04	29.81	114.60	8.1	3.8	3.1
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS7	17:02	1.0	Surface	1	1	25.21	8.02	29.65	114.90	8.1	3.6	4.0
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS7	17:02	1.0	Surface	1	2	25.14	8.04	29.65	114.70	8.1	3.6	4.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS7	17:01	2.1	Bottom	3	1	25.03	8.04	29.80	114.90	8.1	3.6	5.1
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS7	17:02	2.1	Bottom	3	2	25.04	8.01	29.84	114.80	8.1	3.5	4.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS8(N)	17:33	1.0	Surface	1	1	25.20	8.03	29.61	114.10	8.0	3.8	4.4
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS8(N)	17:33	1.0	Surface	1	2	25.21	8.03	29.66	113.90	8.0	3.8	4.4
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS8(N)	17:33	3.1	Bottom	3	1	25.13	8.02	29.73	113.90	8.0	3.8	3.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS8(N)	17:33	3.1	Bottom	3	2	25.16	8.02	29.82	113.80	8.0	3.7	4.1
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS(Mf)9	17:11	1.0	Surface	1	1	25.13	8.06	29.69	114.80	8.1	3.5	5.1
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS(Mf)9	17:11	1.0	Surface	1	2	25.13	8.06	29.73	115.00	8.1	3.5	4.8
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS(Mf)9	17:11	2.8	Bottom	3	1	25.03	8.06	29.96	115.00	8.1	3.5	4.4
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS(Mf)9	17:11	2.8	Bottom	3	2	24.99	8.05	29.97	114.90	8.1	3.5	4.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS10(N)	17:18	1.0	Surface	1	1	24.83	8.05	29.60	103.40	7.3	4.4	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS10(N)	17:18	1.0	Surface	1	2	24.88	8.05	29.56	104.30	7.4	4.3	4.2
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS10(N)	17:18	5.3	Middle	2	1	24.66	8.03	30.29	103.20	7.3	4.6	4.4
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS10(N)	17:17	5.3	Middle	2	2	24.64	8.03	30.30	102.80	7.2	4.6	4.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS10(N)	17:17	9.5	Bottom	3	1	24.63	8.03	30.36	103.00	7.3	4.6	4.2
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	IS10(N)	17:18	9.5	Bottom	3	2	24.65	8.03	30.31	102.90	7.2	4.8	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR3(N)	16:31	1.0	Surface	1	1	25.23	8.09	29.59	115.40	8.3	3.4	3.2
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR3(N)	16:31	1.0	Surface	1	2	25.23	8.09	29.56	115.40	8.3	3.5	3.6
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR3(N)	16:31	2.2	Bottom	3	1	25.18	8.08	29.85	116.00	8.3	3.4	4.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR3(N)	16:31	2.2	Bottom	3	2	25.16	8.08	29.84	115.00	8.2	3.5	4.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR4(N3)	17:23	1.0	Surface	1	1	25.20	8.04	29.76	113.70	8.0	3.4	4.0
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR4(N3)	17:23	1.0	Surface	1	2	25.18	8.04	29.77	114.00	8.0	3.5	3.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR4(N3)	17:23	2.9	Bottom	3	1	25.15	8.03	30.03	113.30	8.0	3.4	3.1
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR4(N3)	17:23	2.9	Bottom	3	2	25.18	8.03	29.97	113.60	8.0	3.4	3.6
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR5(N)	17:05	1.0	Surface	1	1	24.85	8.05	29.55	104.90	7.4	3.8	3.2
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR5(N)	17:04	1.0	Surface	1	2	24.81	8.06	29.55	104.70	7.4	3.8	2.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR5(N)	17:05	4.8	Middle	2	1	24.68	8.03	30.20	103.00	7.3	3.9	3.5
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR5(N)	17:04	4.8	Middle	2	2	24.68	8.04	30.18	103.20	7.3	4.0	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR5(N)	17:04	8.5	Bottom	3	1	24.63	8.04	30.36	103.70	7.3	4.5	4.2
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR5(N)	17:04	8.5	Bottom	3	2	24.65	8.03	30.36	103.60	7.3	4.6	4.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10A(N)	18:02	1.0	Surface	1	1	24.78	8.06	30.50	105.50	7.4	3.6	4.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10A(N)	18:02	1.0	Surface	1	2	24.74	8.05	30.53	106.40	7.5	3.7	3.9
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10A(N)	18:01	6.6	Middle	2	1	24.60	8.06	30.95	103.60	7.3	4.0	3.6
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10A(N)	18:02	6.6	Middle	2	2	24.62	8.05	30.88	102.60	7.2	4.0	3.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10A(N)	18:01	12.1	Bottom	3	1	24.61	8.06	30.95	103.30	7.3	4.0	2.6
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10A(N)	18:02	12.1	Bottom	3	2	24.64	8.05	30.88	103.00	7.2	4.0	3.0
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10B(N2)	18:11	1.0	Surface	1	1	24.78	8.05	30.54	103.60	7.3	3.6	2.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10B(N2)	18:12	1.0	Surface	1	2	24.77	8.05	30.58	103.70	7.3	3.7	2.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10B(N2)	18:11	3.8	Middle	2	1	24.68	8.04	30.76	102.80	7.2	3.9	3.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10B(N2)	18:12	3.8	Middle	2	2	24.68	8.04	30.74	102.80	7.2	4.0	3.0
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10B(N2)	18:11	6.5	Bottom	3	1	24.64	8.04	30.85	102.60	7.2	4.1	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	SR10B(N2)	18:12	6.5	Bottom	3	2	24.68	8.04	30.80	102.60	7.2	4.2	3.6
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS2(A)	16:20	1.0	Surface	1	1	24.72	8.05	29.61	109.70	7.8	3.9	3.0
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS2(A)	16:21	1.0	Surface	1	2	24.75	8.04	29.55	108.20	7.7	3.9	2.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS2(A)	16:20	3.4	Middle	2	1	24.60	8.04	30.10	106.60	7.5	4.2	3.7
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS2(A)	16:21	3.4	Middle	2	2	24.64	8.03	30.11	106.10	7.5	4.0	3.3
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS2(A)	16:20	5.8	Bottom	3	1	24.61	8.02	30.25	106.80	7.5	4.6	3.9
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS2(A)	16:20	5.8	Bottom	3	2	24.59	8.04	30.27	106.80	7.5	4.6	4.2
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS(Mf)5	18:12	1.0	Surface	1	1	25.13	8.05	29.56	112.20	7.9	3.8	3.4
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS(Mf)5	18:11	1.0	Surface	1	2	25.20	8.08	29.51	112.00	7.9	3.5	3.8
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS(Mf)5	18:11	6	Middle	2	1	24.91	8.03	30.18	111.60	7.9	3.6	4.5
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS(Mf)5	18:11	6	Middle	2	2	24.92	8.06	30.21	111.90	7.9	3.6	4.0
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS(Mf)5	18:11	11	Bottom	3	1	24.95	8.05	30.23	111.60	7.9	3.6	4.5
HKLR	HY/2011/03	2023-05-03	Mid-Flood	Fine	CS(Mf)5	18:11	11	Bottom	3	2	24.93	8.02	30.17	111.20	7.8	3.6	4.9
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS5	13:49	1.0	Surface	1	1	25.16	8.13	29.55	118.40	8.5	3.8	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS5	13:50	1.0	Surface	1	2	25.08	8.12	29.69	120.20	8.6	3.8	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS5	13:49	4.1	Middle	2	1	24.88	8.12	30.14	117.00	8.4	3.9	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS5	13:49	4.1	Middle	2	2	24.88	8.12	30.15	118.30	8.5	3.8	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS5	13:49	7.2	Bottom	3	1	24.90	8.12	30.19	118.30	8.5	3.8	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS5	13:49	7.2	Bottom	3	2	24.89	8.12	30.19	116.60	8.3	3.8	2.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS(Mf)6	13:37	1.0	Surface	1	1	25.11	8.11	29.61	117.60	8.4	3.6	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS(Mf)6	13:37	1.0	Surface	1	2	25.06	8.11	29.69	117.60	8.4	3.6	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS(Mf)6	13:37	2.0	Bottom	3	1	24.99	8.10	29.94	117.20	8.4	3.7	3.3
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS(Mf)6	13:37	2.0	Bottom	3	2	25.03	8.11	29.90	117.50	8.4	3.8	2.9
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS7	13:26	1.0	Surface	1	1	25.15	8.13	29.59	117.90	8.4	3.8	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS7	13:26	1.0	Surface	1	2	25.16	8.13	29.58	118.10	8.4	3.8	1.5
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS7	13:26	2.1	Bottom	3	1	25.09	8.12	29.78	118.00	8.4	3.8	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS7	13:26	2.1	Bottom	3	2	25.09	8.12	29.84	117.70	8.4	3.9	3.0
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS8(N)	12:56	1.0	Surface	1	1	25.13	8.10	29.60	117.80	8.4	4.4	2.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS8(N)	12:56	1.0	Surface	1	2	25.11	8.10	29.63	117.90	8.4	4.4	3.3
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS8(N)	12:55	3.0	Bottom	3	1	25.02	8.09	29.91	117.80	8.4	4.4	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS8(N)	12:56	3.0	Bottom	3	2	25.06	8.09	29.86	117.60	8.4	4.1	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS(Mf)9	13:17	1.0	Surface	1	1	25.15	8.12	29.58	118.00	8.4	4.1	2.9
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS(Mf)9	13:17	1.0	Surface	1	2	25.17	8.12	29.56	117.80	8.4	4.1	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS(Mf)9	13:17	2.6	Bottom	3	1	25.04	8.11	29.91	117.70	8.4	4.2	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS(Mf)9	13:17	2.6	Bottom	3	2	25.04	8.11	29.90	118.00	8.4	4.2	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS10(N)	12:46	1.0	Surface	1	1	24.99	8.05	30.34	118.60	8.2	4.3	3.0
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS10(N)	12:46	1.0	Surface	1	2	24.96	8.05	30.25	118.70	8.2	4.3	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS10(N)	12:46	5.3	Middle	2	1	24.72	8.04	30.77	118.30	8.2	4.3	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS10(N)	12:46	5.3	Middle	2	2	24.71	8.05	30.76	117.90	8.2	4.4	1.7
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS10(N)	12:45	9.6	Bottom	3	1	24.75	8.04	30.74	117.90	8.2	4.3	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	IS10(N)	12:46	9.6	Bottom	3	2	24.71	8.05	30.71	117.30	8.1	4.4	2.7
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR3(N)	13:59	1.0	Surface	1	1	25.15	8.13	29.63	120.90	8.6	3.7	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR3(N)	13:59	1.0	Surface	1	2	25.15	8.13	29.63	119.70	8.6	3.8	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR3(N)	13:58	2.2	Bottom	3	1	25.08	8.12	29.89	119.90	8.6	3.7	1.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR3(N)	13:59	2.2	Bottom	3	2	25.12	8.13	29.80	119.70	8.6	3.7	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR4(N3)	13:06	1.0	Surface	1	1	25.14	8.12	29.59	117.90	8.4	3.9	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR4(N3)	13:05	1.0	Surface	1	2	25.14	8.12	29.60	118.10	8.4	3.9	2.2
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR4(N3)	13:05	2.7	Bottom	3	1	25.02	8.11	29.92	118.00	8.4	3.9	3.2
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR4(N3)	13:05	2.7	Bottom	3	2	25.06	8.11	29.87	117.70	8.4	3.8	3.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR5(N)	12:56	1.0	Surface	1	1	24.96	8.07	30.29	119.50	8.3	4.6	3.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR5(N)	12:57	1.0	Surface	1	2	24.93	8.07	30.29	118.30	8.2	4.6	3.1
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR5(N)	12:56	4.3	Middle	2	1	24.68	8.06	30.77	118.40	8.2	4.6	2.7
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR5(N)	12:56	4.3	Middle	2	2	24.68	8.06	30.76	118.20	8.2	4.6	3.0
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR5(N)	12:56	7.6	Bottom	3	1	24.74	8.07	30.71	118.00	8.2	4.6	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR5(N)	12:56	7.6	Bottom	3	2	24.75	8.07	30.68	117.80	8.2	4.5	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10A(N)	11:53	1.0	Surface	1	1	24.88	8.04	30.29	118.90	8.2	4.5	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10A(N)	11:52	1.0	Surface	1	2	25.01	8.03	30.08	119.10	8.2	4.4	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10A(N)	11:52	5.9	Middle	2	1	24.64	8.03	30.77	119.10	8.2	4.5	3.2
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10A(N)	11:53	5.9	Middle	2	2	24.64	8.03	30.77	118.70	8.2	4.4	3.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10A(N)	11:52	10.8	Bottom	3	1	24.68	8.03	30.72	118.50	8.2	4.5	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10A(N)	11:52	10.8	Bottom	3	2	24.68	8.03	30.71	118.30	8.2	4.4	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10B(N2)	11:43	1.0	Surface	1	1	24.89	8.05	30.28	118.80	8.2	4.3	3.3
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10B(N2)	11:42	1.0	Surface	1	2	24.91	8.05	30.20	118.80	8.2	4.2	2.9
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10B(N2)	11:42	4.1	Middle	2	1	24.66	8.04	30.63	118.50	8.2	4.3	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10B(N2)	11:42	4.1	Middle	2	2	24.66	8.04	30.65	118.40	8.2	4.2	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10B(N2)	11:41	7.2	Bottom	3	1	24.65	8.04	30.65	118.20	8.2	4.3	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	SR10B(N2)	11:42	7.2	Bottom	3	2	24.65	8.04	30.67	118.40	8.2	4.3	3.0
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS2(A)	13:44	1.0	Surface	1	1	24.87	8.05	30.31	118.80	8.2	4.6	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS2(A)	13:45	1.0	Surface	1	2	24.90	8.05	30.23	118.80	8.2	4.6	3.0
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS2(A)	13:44	3.3	Middle	2	1	24.64	8.04	30.72	118.40	8.2	4.8	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS2(A)	13:45	3.3	Middle	2	2	24.64	8.04	30.73	118.00	8.2	4.7	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS2(A)	13:45	5.6	Bottom	3	1	24.68	8.05	30.75	117.90	8.2	4.8	2.7
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS2(A)	13:44	5.6	Bottom	3	2	24.66	8.05	30.76	118.30	8.2	4.8	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS(Mf)5	12:06	1.0	Surface	1	1	25.11	8.09	29.60	117.20	8.4	4.4	4.2
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS(Mf)5	12:07	1.0	Surface	1	2	25.15	8.12	29.55	118.80	8.5	4.4	3.9
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS(Mf)5	12:07	6.0	Middle	2	1	24.87	8.10	30.25	118.30	8.5	4.3	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS(Mf)5	12:06	6.0	Middle	2	2	24.88	8.07	30.22	117.00	8.4	4.4	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS(Mf)5	12:07	10.9	Bottom	3	1	24.86	8.09	30.27	117.00	8.4	4.2	1.5
HKLR	HY/2011/03	2023-05-05	Mid-Ebb	Sunny	CS(Mf)5	12:06	10.9	Bottom	3	2	24.88	8.06	30.21	116.20	8.3	4.3	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS5	18:42	1.0	Surface	1	1	25.09	8.13	29.70	117.60	8.4	3.7	1.2
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS5	18:42	1.0	Surface	1	2	25.11	8.13	29.66	117.00	8.4	3.6	1.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS5	18:42	4.3	Middle	2	1	24.87	8.12	30.21	117.30	8.4	3.7	1.7
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS5	18:41	4.3	Middle	2	2	24.88	8.12	30.16	116.30	8.3	3.7	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS5	18:42	7.5	Bottom	3	1	24.89	8.12	30.20	117.30	8.4	3.7	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS5	18:41	7.5	Bottom	3	2	24.90	8.12	30.18	116.20	8.3	3.7	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS(Mf)6	18:52	1.0	Surface	1	1	25.14	8.14	29.65	118.10	8.4	3.6	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS(Mf)6	18:52	1.0	Surface	1	2	25.15	8.14	29.64	118.30	8.5	3.6	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS(Mf)6	18:51	2.2	Bottom	3	1	25.07	8.13	29.88	118.30	8.5	3.6	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS(Mf)6	18:52	2.2	Bottom	3	2	25.10	8.13	29.85	118.20	8.5	3.5	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS7	19:03	1.0	Surface	1	1	25.11	8.13	29.69	118.30	8.5	3.7	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS7	19:02	1.0	Surface	1	2	25.12	8.13	29.69	118.50	8.5	3.8	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS7	19:02	2.0	Bottom	3	1	25.06	8.13	29.88	118.20	8.4	3.6	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS7	19:02	2.0	Bottom	3	2	25.09	8.13	29.84	118.30	8.5	3.8	2.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS8(N)	19:36	1.0	Surface	1	1	25.12	8.13	29.70	118.00	8.4	3.8	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS8(N)	19:35	1.0	Surface	1	2	25.14	8.13	29.65	118.10	8.4	3.8	2.2
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS8(N)	19:35	3.1	Bottom	3	1	25.12	8.13	29.77	117.90	8.4	3.8	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS8(N)	19:36	3.1	Bottom	3	2	25.09	8.13	29.86	117.90	8.4	3.9	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS(Mf)9	19:13	1.0	Surface	1	1	25.08	8.13	29.77	117.90	8.4	3.6	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS(Mf)9	19:13	1.0	Surface	1	2	25.15	8.14	29.73	118.20	8.4	3.6	1.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS(Mf)9	19:13	2.6	Bottom	3	1	24.97	8.12	30.01	117.80	8.4	3.6	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS(Mf)9	19:13	2.6	Bottom	3	2	24.98	8.13	30.00	117.50	8.4	3.6	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS10(N)	19:28	1.0	Surface	1	1	24.97	8.07	30.33	118.30	8.2	4.4	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS10(N)	19:29	1.0	Surface	1	2	24.92	8.07	30.28	117.90	8.1	4.5	2.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS10(N)	19:28	5.3	Middle	2	1	24.72	8.06	30.77	117.80	8.1	4.6	1.7
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS10(N)	19:28	5.3	Middle	2	2	24.74	8.06	30.77	118.20	8.2	4.5	1.4
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS10(N)	19:27	9.5	Bottom	3	1	24.76	8.06	30.68	117.50	8.1	4.5	2.2
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	IS10(N)	19:28	9.5	Bottom	3	2	24.75	8.06	30.66	117.40	8.1	4.5	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR3(N)	18:31	1.0	Surface	1	1	25.15	8.13	29.60	118.80	8.5	3.6	2.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR3(N)	18:31	1.0	Surface	1	2	25.16	8.13	29.56	119.00	8.5	3.6	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR3(N)	18:30	2.1	Bottom	3	1	25.13	8.13	29.71	118.60	8.5	3.6	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR3(N)	18:31	2.1	Bottom	3	2	25.10	8.12	29.88	118.80	8.5	3.6	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR4(N3)	19:25	1.0	Surface	1	1	25.07	8.13	29.80	117.30	8.4	3.4	2.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR4(N3)	19:25	1.0	Surface	1	2	25.07	8.13	29.81	116.90	8.4	3.5	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR4(N3)	19:25	2.6	Bottom	3	1	24.93	8.12	30.07	116.60	8.3	3.4	3.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR4(N3)	19:25	2.6	Bottom	3	2	24.97	8.13	30.01	117.00	8.4	3.4	3.2
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR5(N)	19:19	1.0	Surface	1	1	25.00	8.07	30.28	119.40	8.3	4.6	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR5(N)	19:19	1.0	Surface	1	2	24.99	8.06	30.25	119.20	8.2	4.6	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR5(N)	19:18	4.6	Middle	2	1	24.73	8.06	30.77	118.90	8.2	4.7	2.1
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR5(N)	19:19	4.6	Middle	2	2	24.74	8.06	30.77	119.00	8.2	4.6	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR5(N)	19:18	8.1	Bottom	3	1	24.78	8.06	30.69	118.50	8.2	4.7	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR5(N)	19:19	8.1	Bottom	3	2	24.80	8.06	30.77	118.80	8.2	4.8	2.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10A(N)	20:12	1.0	Surface	1	1	24.99	8.05	30.22	118.30	8.2	4.5	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10A(N)	20:11	1.0	Surface	1	2	24.98	8.05	30.18	118.80	8.2	4.8	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10A(N)	20:12	6	Middle	2	1	24.73	8.04	30.69	117.10	8.1	4.5	2.4
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10A(N)	20:11	6	Middle	2	2	24.72	8.04	30.67	118.40	8.2	4.6	2.2
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10A(N)	20:11	11	Bottom	3	1	24.80	8.04	30.67	118.00	8.2	4.6	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10A(N)	20:11	11	Bottom	3	2	24.81	8.04	30.73	117.10	8.1	4.6	2.9
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10B(N2)	20:22	1.0	Surface	1	1	24.99	8.07	30.22	118.20	8.2	4.6	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10B(N2)	20:22	1.0	Surface	1	2	25.02	8.07	30.21	118.70	8.2	4.6	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10B(N2)	20:22	4	Middle	2	1	24.71	8.06	30.72	117.90	8.2	4.7	2.2
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10B(N2)	20:21	4	Middle	2	2	24.73	8.06	30.66	118.40	8.2	4.8	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10B(N2)	20:22	7.0	Bottom	3	1	24.72	8.07	30.64	117.60	8.1	4.7	2.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	SR10B(N2)	20:21	7.0	Bottom	3	2	24.79	8.07	30.63	117.70	8.1	4.8	2.8
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS2(A)	18:32	1.0	Surface	1	1	25.05	8.06	30.24	118.40	8.2	4.4	1.7
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS2(A)	18:32	1.0	Surface	1	2	25.05	8.06	30.21	118.70	8.2	4.6	1.4
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS2(A)	18:32	3.2	Middle	2	1	24.80	8.06	30.75	118.60	8.2	4.5	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS2(A)	18:32	3.2	Middle	2	2	24.76	8.06	30.75	118.10	8.2	4.5	1.7
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS2(A)	18:31	5.4	Bottom	3	1	24.84	8.06	30.68	118.20	8.2	4.5	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS2(A)	18:32	5.4	Bottom	3	2	24.83	8.05	30.66	117.90	8.2	4.6	2.5
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS(Mf)5	20:11	1.0	Surface	1	1	25.07	8.13	29.78	116.40	8.3	3.6	1.3
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS(Mf)5	20:11	1.0	Surface	1	2	25.14	8.14	29.65	116.60	8.3	3.5	1.1
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS(Mf)5	20:11	6.1	Middle	2	1	24.86	8.13	30.25	116.00	8.3	3.7	1.6
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS(Mf)5	20:11	6.1	Middle	2	2	24.85	8.13	30.26	116.30	8.3	3.8	1.9
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS(Mf)5	20:10	11.1	Bottom	3	1	24.89	8.13	30.19	115.60	8.3	3.7	2.3
HKLR	HY/2011/03	2023-05-05	Mid-Flood	Cloudy	CS(Mf)5	20:11	11.1	Bottom	3	2	24.87	8.13	30.24	116.00	8.3	3.8	2.1
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS5	13:25	1.0	Surface	1	1	25.27	7.94	30.80	94.30	6.8	3.7	2.0
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS5	13:25	1.0	Surface	1	2	25.28	7.93	30.81	94.90	6.9	3.8	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS5	13:24	4.3	Middle	2	1	25.14	7.92	31.06	93.30	6.7	4.0	2.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS5	13:25	4.3	Middle	2	2	25.16	7.92	31.05	94.00	6.8	4.0	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS5	13:24	7.5	Bottom	3	1	25.12	7.93	31.08	92.60	6.7	4.1	2.9
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS5	13:25	7.5	Bottom	3	2	25.15	7.92	31.05	93.70	6.8	4.1	2.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS(Mf)6	13:35	1.0	Surface	1	1	25.31	7.94	30.73	96.40	7.0	3.9	3.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS(Mf)6	13:34	1.0	Surface	1	2	25.31	7.94	30.72	95.40	6.9	3.9	2.9
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS(Mf)6	13:34	2.2	Bottom	3	1	25.25	7.94	30.82	94.90	6.9	4.2	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS(Mf)6	13:34	2.2	Bottom	3	2	25.19	7.94	30.83	93.20	6.7	4.2	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS7	13:45	1.0	Surface	1	1	25.30	7.95	30.72	97.00	7.0	3.9	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS7	13:45	1.0	Surface	1	2	25.30	7.95	30.72	96.30	7.0	4.0	2.5
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS7	13:45	2.3	Bottom	3	1	25.20	7.95	30.85	95.00	6.9	4.1	2.8
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS7	13:45	2.3	Bottom	3	2	25.24	7.94	30.82	95.90	6.9	4.1	3.0
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS8(N)	14:18	1.0	Surface	1	1	25.31	7.94	30.66	94.80	6.8	3.7	2.1
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS8(N)	14:18	1.0	Surface	1	2	25.29	7.93	30.69	94.00	6.8	3.6	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS8(N)	14:18	3.0	Bottom	3	1	25.25	7.93	30.78	93.70	6.8	4.1	2.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS8(N)	14:18	3.0	Bottom	3	2	25.18	7.93	30.85	92.60	6.7	4.1	2.9
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS(Mf)9	13:55	1.0	Surface	1	1	25.30	7.94	30.70	96.30	7.0	3.7	3.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS(Mf)9	13:54	1.0	Surface	1	2	25.29	7.94	30.70	95.40	6.9	3.9	3.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS(Mf)9	13:54	2.7	Bottom	3	1	25.22	7.94	30.82	95.70	6.9	4.0	3.0
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS(Mf)9	13:54	2.7	Bottom	3	2	25.19	7.94	30.82	94.60	6.8	4.0	2.7
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS10(N)	14:10	1.0	Surface	1	1	25.05	7.92	30.31	90.30	6.5	4.3	1.8
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS10(N)	14:11	1.0	Surface	1	2	25.09	7.92	30.28	90.90	6.5	4.2	1.7
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS10(N)	14:11	5.4	Middle	2	1	24.91	7.91	31.02	89.90	6.4	4.4	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS10(N)	14:10	5.4	Middle	2	2	24.91	7.91	31.02	89.80	6.4	4.5	2.7
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS10(N)	14:10	9.7	Bottom	3	1	24.90	7.91	31.10	89.90	6.4	4.5	3.0
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	IS10(N)	14:11	9.7	Bottom	3	2	24.93	7.91	31.05	89.70	6.4	4.6	2.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR3(N)	13:14	1.0	Surface	1	1	25.33	7.94	30.72	96.60	7.0	4.0	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR3(N)	13:13	1.0	Surface	1	2	25.34	7.94	30.69	95.70	6.9	3.9	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR3(N)	13:13	2.3	Bottom	3	1	25.26	7.94	30.76	95.50	6.9	4.0	3.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR3(N)	13:13	2.3	Bottom	3	2	25.23	7.94	30.74	94.10	6.8	4.2	3.4
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR4(N3)	14:08	1.0	Surface	1	1	25.33	7.94	30.64	95.10	6.9	3.4	2.9
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR4(N3)	14:08	1.0	Surface	1	2	25.34	7.93	30.63	94.70	6.8	3.5	2.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR4(N3)	14:08	2.9	Bottom	3	1	25.29	7.92	30.75	94.40	6.8	3.7	2.1
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR4(N3)	14:08	2.9	Bottom	3	2	25.26	7.92	30.75	93.90	6.8	3.7	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR5(N)	14:00	1.0	Surface	1	1	25.07	7.93	30.27	92.00	6.6	4.1	3.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR5(N)	14:00	1.0	Surface	1	2	25.03	7.93	30.31	91.40	6.6	4.1	3.3
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR5(N)	14:00	4.7	Middle	2	1	24.93	7.91	30.92	90.60	6.5	4.2	2.9
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR5(N)	14:00	4.7	Middle	2	2	24.92	7.92	30.92	90.30	6.5	4.2	2.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR5(N)	13:59	8.3	Bottom	3	1	24.89	7.92	31.10	90.30	6.5	4.7	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR5(N)	14:00	8.3	Bottom	3	2	24.91	7.91	31.10	90.50	6.5	4.8	2.5
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10A(N)	14:59	1.0	Surface	1	1	25.02	7.94	31.42	92.30	6.6	3.9	3.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10A(N)	15:00	1.0	Surface	1	2	24.99	7.93	31.45	92.20	6.6	3.9	3.0
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10A(N)	15:00	6.5	Middle	2	1	24.89	7.93	31.77	89.30	6.4	4.2	2.6
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10A(N)	14:59	6.5	Middle	2	2	24.88	7.94	31.82	90.60	6.5	4.2	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10A(N)	14:59	11.9	Bottom	3	1	24.89	7.94	31.83	90.30	6.5	4.3	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10A(N)	15:00	11.9	Bottom	3	2	24.91	7.93	31.75	89.20	6.4	4.3	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10B(N2)	15:11	1.0	Surface	1	1	25.02	7.93	31.47	89.80	6.4	3.6	2.7
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10B(N2)	15:12	1.0	Surface	1	2	25.01	7.93	31.52	89.70	6.4	3.6	3.0
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10B(N2)	15:11	3.7	Middle	2	1	24.94	7.93	31.66	89.10	6.4	3.9	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10B(N2)	15:12	3.7	Middle	2	2	24.94	7.92	31.64	89.00	6.4	3.9	2.1
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10B(N2)	15:11	6.4	Bottom	3	1	24.92	7.93	31.74	89.10	6.4	4.1	3.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	SR10B(N2)	15:12	6.4	Bottom	3	2	24.94	7.92	31.69	89.00	6.4	4.1	2.7
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS2(A)	13:10	1.0	Surface	1	1	24.81	7.92	30.44	96.30	7.0	3.8	3.5
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS2(A)	13:11	1.0	Surface	1	2	24.81	7.92	30.38	94.90	6.9	3.8	3.8
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS2(A)	13:11	3.4	Middle	2	1	24.75	7.91	30.95	93.00	6.7	4.2	4.5
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS2(A)	13:10	3.4	Middle	2	2	24.73	7.92	30.95	93.70	6.8	4.3	4.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS2(A)	13:10	5.8	Bottom	3	1	24.72	7.92	31.15	93.30	6.7	4.6	3.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS2(A)	13:11	5.8	Bottom	3	2	24.74	7.90	31.13	93.20	6.7	4.7	3.2
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS(Mf)5	15:06	1.0	Surface	1	1	25.26	7.93	30.78	89.80	6.5	3.1	2.9
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS(Mf)5	15:05	1.0	Surface	1	2	25.29	7.92	30.76	89.60	6.5	3.1	2.7
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS(Mf)5	15:05	6.4	Middle	2	1	24.91	7.88	31.37	87.80	6.4	3.3	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS(Mf)5	15:06	6.4	Middle	2	2	24.92	7.88	31.34	88.10	6.4	3.2	2.7
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS(Mf)5	15:05	11.7	Bottom	3	1	24.87	7.88	31.40	87.20	6.3	3.4	3.4
HKLR	HY/2011/03	2023-05-08	Mid-Ebb	Fine	CS(Mf)5	15:05	11.7	Bottom	3	2	24.90	7.88	30.76	87.40	6.3	3.4	3.0
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS5	9:02	1.0	Surface	1	1	25.11	7.93	30.68	91.30	6.6	3.5	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS5	9:01	1.0	Surface	1	2	25.12	7.93	30.69	91.80	6.6	3.5	2.7
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS5	9:01	4.2	Middle	2	1	24.90	7.90	31.04	89.30	6.4	3.8	1.6
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS5	9:01	4.2	Middle	2	2	24.89	7.90	31.05	89.80	6.5	3.7	1.9
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS5	9:01	7.4	Bottom	3	1	24.85	7.89	31.12	89.50	6.4	3.9	1.0
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS5	9:01	7.4	Bottom	3	2	24.91	7.90	31.11	88.60	6.4	3.9	1.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS(Mf)6	8:51	1.0	Surface	1	1	25.15	7.94	30.69	93.50	6.7	3.6	1.7
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS(Mf)6	8:51	1.0	Surface	1	2	25.14	7.94	30.70	93.00	6.7	3.6	1.8
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS(Mf)6	8:51	2.2	Bottom	3	1	25.10	7.94	30.79	92.80	6.7	3.9	2.1
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS(Mf)6	8:51	2.2	Bottom	3	2	25.08	7.93	30.83	92.20	6.6	4.0	2.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS7	8:42	1.0	Surface	1	1	25.18	7.94	30.59	93.50	6.7	3.7	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS7	8:42	1.0	Surface	1	2	25.13	7.94	30.63	93.10	6.7	3.8	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS7	8:42	2.2	Bottom	3	1	25.11	7.94	30.69	92.80	6.7	4.0	1.9
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS7	8:42	2.2	Bottom	3	2	25.09	7.93	30.69	92.60	6.6	4.0	1.7
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS8(N)	8:09	1.0	Surface	1	1	25.13	7.93	30.46	92.10	6.6	3.6	1.5
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS8(N)	8:10	1.0	Surface	1	2	25.10	7.93	30.49	92.60	6.7	3.5	1.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS8(N)	8:09	3.0	Bottom	3	1	25.06	7.92	30.70	91.70	6.6	3.7	1.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS8(N)	8:09	3.0	Bottom	3	2	25.04	7.92	30.72	91.30	6.6	3.9	1.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS(Mf)9	8:32	1.0	Surface	1	1	25.20	7.94	30.55	93.40	6.7	3.4	3.1
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS(Mf)9	8:32	1.0	Surface	1	2	25.20	7.94	30.56	92.90	6.7	3.3	2.8
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS(Mf)9	8:32	2.6	Bottom	3	1	25.14	7.94	30.67	92.60	6.7	3.7	2.6
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS(Mf)9	8:32	2.6	Bottom	3	2	25.10	7.94	30.66	91.70	6.6	3.7	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS10(N)	8:22	1.0	Surface	1	1	24.82	7.93	30.54	92.90	6.7	4.0	1.8
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS10(N)	8:23	1.0	Surface	1	2	24.85	7.92	30.56	93.60	6.8	4.0	1.6
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS10(N)	8:22	5.4	Middle	2	1	24.81	7.92	30.95	91.00	6.6	4.3	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS10(N)	8:22	5.4	Middle	2	2	24.81	7.91	30.94	90.80	6.5	4.4	2.1
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS10(N)	8:22	9.7	Bottom	3	1	24.82	7.92	30.98	90.50	6.5	4.6	1.6
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	IS10(N)	8:22	9.7	Bottom	3	2	24.82	7.91	30.98	90.60	6.5	4.6	1.8
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR3(N)	9:13	1.0	Surface	1	1	25.17	7.93	30.66	92.00	6.6	3.8	1.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR3(N)	9:13	1.0	Surface	1	2	25.18	7.94	30.65	92.80	6.7	3.8	1.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR3(N)	9:13	2.3	Bottom	3	1	25.12	7.93	30.78	91.80	6.6	4.0	1.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR3(N)	9:13	2.3	Bottom	3	2	25.07	7.92	30.80	90.60	6.5	4.1	1.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR4(N3)	8:19	1.0	Surface	1	1	25.21	7.92	30.47	91.60	6.6	3.2	1.6
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR4(N3)	8:18	1.0	Surface	1	2	25.16	7.92	30.47	92.00	6.6	3.2	1.9
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR4(N3)	8:18	2.9	Bottom	3	1	25.10	7.91	30.69	91.30	6.6	3.4	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR4(N3)	8:18	2.9	Bottom	3	2	25.07	7.92	30.72	91.50	6.6	3.4	2.5
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR5(N)	8:33	1.0	Surface	1	1	24.89	7.92	30.66	90.20	6.5	4.1	1.7
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR5(N)	8:32	1.0	Surface	1	2	24.89	7.92	30.66	90.30	6.5	4.1	1.6
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR5(N)	8:32	4.6	Middle	2	1	24.84	7.91	30.93	89.40	6.4	4.4	2.5
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR5(N)	8:32	4.6	Middle	2	2	24.84	7.91	30.95	89.80	6.5	4.4	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR5(N)	8:32	8.1	Bottom	3	1	24.83	7.91	31.03	89.60	6.4	4.8	2.7
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR5(N)	8:32	8.1	Bottom	3	2	24.82	7.91	31.04	90.00	6.5	4.7	3.1
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10A(N)	7:32	1.0	Surface	1	1	25.01	7.91	30.94	89.70	6.4	3.3	2.8
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10A(N)	7:32	1.0	Surface	1	2	25.03	7.91	30.90	90.50	6.5	3.3	3.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10A(N)	7:31	6.5	Middle	2	1	24.92	7.90	31.26	89.40	6.4	3.5	2.6
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10A(N)	7:32	6.5	Middle	2	2	24.91	7.91	31.28	88.40	6.3	3.4	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10A(N)	7:32	12	Bottom	3	1	24.95	7.90	31.29	89.00	6.4	4.0	2.1
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10A(N)	7:31	12	Bottom	3	2	24.93	7.90	31.29	89.70	6.4	4.0	2.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10B(N2)	7:21	1.0	Surface	1	1	25.02	7.91	30.88	94.60	6.8	3.3	1.9
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10B(N2)	7:21	1.0	Surface	1	2	25.03	7.90	30.88	94.90	6.8	3.3	1.8
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10B(N2)	7:20	3.7	Middle	2	1	24.94	7.89	31.13	92.40	6.6	3.5	2.3
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10B(N2)	7:21	3.7	Middle	2	2	24.96	7.90	31.08	90.50	6.5	3.5	2.1
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10B(N2)	7:21	6.3	Bottom	3	1	24.93	7.89	31.23	89.70	6.4	3.8	2.5
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	SR10B(N2)	7:20	6.3	Bottom	3	2	24.91	7.89	31.24	90.00	6.4	3.7	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS2(A)	9:20	1.0	Surface	1	1	24.78	7.93	30.65	92.10	6.7	4.4	1.2
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS2(A)	9:19	1.0	Surface	1	2	24.77	7.94	30.68	92.70	6.7	4.3	1.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS2(A)	9:19	3.3	Middle	2	1	24.74	7.93	30.88	91.40	6.6	4.6	1.7
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS2(A)	9:19	3.3	Middle	2	2	24.75	7.94	30.88	91.80	6.6	4.7	1.9
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS2(A)	9:19	5.6	Bottom	3	1	24.74	7.93	31.01	91.70	6.6	5.0	2.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS2(A)	9:19	5.6	Bottom	3	2	24.74	7.93	31.01	91.30	6.6	5.1	2.0
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS(Mf)5	7:26	1.0	Surface	1	1	25.17	7.89	30.75	91.00	6.5	3.1	1.9
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS(Mf)5	7:26	1.0	Surface	1	2	25.18	7.90	30.64	90.90	6.5	3.0	1.8
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS(Mf)5	7:26	6.2	Middle	2	1	24.93	7.88	31.07	89.00	6.4	3.3	1.5
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS(Mf)5	7:25	6.2	Middle	2	2	24.95	7.87	31.17	89.80	6.4	3.4	1.7
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS(Mf)5	7:26	11.4	Bottom	3	1	24.93	7.87	31.21	88.20	6.3	3.6	1.4
HKLR	HY/2011/03	2023-05-08	Mid-Flood	Fine	CS(Mf)5	7:25	11.4	Bottom	3	2	24.97	7.87	31.31	88.50	6.4	3.6	1.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS5	15:03	1.0	Surface	1	1	25.45	8.03	30.04	92.70	6.4	3.6	3.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS5	15:02	1.0	Surface	1	2	25.43	8.03	30.08	93.30	6.5	3.7	2.4
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS5	15:02	4.2	Middle	2	1	25.21	8.02	30.59	93.00	6.4	3.8	3.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS5	15:03	4.2	Middle	2	2	25.22	8.02	30.54	92.00	6.4	3.8	3.1
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS5	15:03	7.3	Bottom	3	1	25.24	8.02	30.56	91.90	6.4	3.8	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS5	15:02	7.3	Bottom	3	2	25.23	8.02	30.58	93.00	6.4	3.9	4.0
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS(Mf)6	15:13	1.0	Surface	1	1	25.45	8.03	30.07	94.00	6.5	3.5	4.2
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS(Mf)6	15:13	1.0	Surface	1	2	25.46	8.03	30.07	94.20	6.5	3.5	3.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS(Mf)6	15:12	2.1	Bottom	3	1	25.43	8.03	30.22	94.00	6.5	3.5	3.0
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS(Mf)6	15:13	2.1	Bottom	3	2	25.40	8.03	30.26	93.90	6.5	3.4	4.7
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS7	15:23	1.0	Surface	1	1	25.42	8.03	30.15	93.60	6.5	3.7	4.2
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS7	15:24	1.0	Surface	1	2	25.49	8.04	30.11	93.90	6.5	3.8	3.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS7	15:23	2.2	Bottom	3	1	25.31	8.02	30.39	93.50	6.5	3.7	4.2
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS7	15:23	2.2	Bottom	3	2	25.32	8.03	30.38	93.20	6.4	3.7	4.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS8(N)	15:57	1.0	Surface	1	1	25.49	8.04	30.02	94.00	6.5	3.9	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS8(N)	15:56	1.0	Surface	1	2	25.48	8.04	30.03	93.80	6.5	3.7	4.2
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS8(N)	15:56	3.1	Bottom	3	1	25.41	8.03	30.26	94.00	6.5	3.7	4.0
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS8(N)	15:57	3.1	Bottom	3	2	25.44	8.03	30.23	93.90	6.5	3.9	4.3
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS(Mf)9	15:32	1.0	Surface	1	1	25.41	8.03	30.18	93.00	6.4	3.5	4.0
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS(Mf)9	15:32	1.0	Surface	1	2	25.41	8.03	30.19	92.60	6.4	3.5	5.1
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS(Mf)9	15:32	2.5	Bottom	3	1	25.27	8.02	30.45	92.30	6.4	3.5	4.6
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS(Mf)9	15:32	2.5	Bottom	3	2	25.31	8.03	30.39	92.70	6.4	3.6	4.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS10(N)	15:44	1.0	Surface	1	1	25.17	7.86	30.89	87.10	6.3	4.2	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS10(N)	15:45	1.0	Surface	1	2	25.20	7.86	30.86	87.70	6.3	4.1	4.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS10(N)	15:45	5.3	Middle	2	1	25.02	7.84	31.43	86.90	6.2	4.3	4.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS10(N)	15:44	5.3	Middle	2	2	25.02	7.84	31.44	86.70	6.2	4.4	4.6
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS10(N)	15:44	9.6	Bottom	3	1	25.02	7.84	31.46	86.60	6.2	4.5	4.9
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	IS10(N)	15:44	9.6	Bottom	3	2	25.00	7.84	31.50	86.80	6.2	4.4	4.7
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR3(N)	14:52	1.0	Surface	1	1	25.49	8.03	29.98	95.40	6.6	4.2	5.0
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR3(N)	14:52	1.0	Surface	1	2	25.49	8.03	29.94	96.60	6.7	4.1	4.4
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR3(N)	14:51	2.0	Bottom	3	1	25.42	8.02	30.09	95.60	6.6	4.1	4.7
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR3(N)	14:52	2.0	Bottom	3	2	25.46	8.03	30.26	95.40	6.6	4.2	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR4(N3)	15:47	1.0	Surface	1	1	25.48	8.03	30.03	93.80	6.5	3.8	4.4
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR4(N3)	15:47	1.0	Surface	1	2	25.46	8.03	30.08	93.70	6.5	3.8	4.4
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR4(N3)	15:47	2.6	Bottom	3	1	25.43	8.03	30.24	93.60	6.5	3.9	4.4
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR4(N3)	15:46	2.6	Bottom	3	2	25.46	8.03	30.15	93.60	6.5	3.8	4.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR5(N)	15:35	1.0	Surface	1	1	25.19	7.86	30.88	88.60	6.4	3.8	3.5
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR5(N)	15:34	1.0	Surface	1	2	25.15	7.87	30.88	88.30	6.4	3.8	4.4
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR5(N)	15:34	4.6	Middle	2	1	25.05	7.84	31.35	87.20	6.3	3.9	4.1
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR5(N)	15:34	4.6	Middle	2	2	25.04	7.85	31.34	87.20	6.3	3.9	4.3
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR5(N)	15:33	8.2	Bottom	3	1	24.99	7.85	31.50	87.20	6.3	4.4	4.3
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR5(N)	15:34	8.2	Bottom	3	2	25.01	7.84	31.50	87.30	6.3	4.5	4.1
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10A(N)	16:36	1.0	Surface	1	1	25.18	7.87	31.68	89.30	6.4	3.6	3.6
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10A(N)	16:37	1.0	Surface	1	2	25.14	7.86	31.71	89.40	6.4	3.7	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10A(N)	16:35	6.4	Middle	2	1	25.04	7.87	32.00	87.60	6.3	4.0	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10A(N)	16:36	6.4	Middle	2	2	25.04	7.86	31.98	86.50	6.2	4.0	4.6
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10A(N)	16:35	11.8	Bottom	3	1	25.04	7.87	32.01	87.40	6.2	4.0	3.7
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10A(N)	16:36	11.8	Bottom	3	2	25.06	7.86	31.97	86.80	6.2	4.1	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10B(N2)	16:47	1.0	Surface	1	1	25.17	7.86	31.74	87.20	6.2	3.5	4.7
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10B(N2)	16:46	1.0	Surface	1	2	25.17	7.86	31.72	87.20	6.2	3.5	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10B(N2)	16:46	3.8	Middle	2	1	25.09	7.86	31.88	86.50	6.2	3.8	4.3
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10B(N2)	16:47	3.8	Middle	2	2	25.09	7.85	31.87	86.50	6.2	3.8	3.3
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10B(N2)	16:46	6.6	Bottom	3	1	25.06	7.86	31.95	86.40	6.2	4.0	3.9
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	SR10B(N2)	16:46	6.6	Bottom	3	2	25.09	7.85	31.91	86.30	6.2	4.0	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS2(A)	14:46	1.0	Surface	1	1	24.97	7.85	30.96	92.50	6.7	3.8	4.1
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS2(A)	14:46	1.0	Surface	1	2	24.97	7.85	30.93	91.30	6.6	3.8	2.8
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS2(A)	14:46	3.4	Middle	2	1	24.90	7.84	31.35	89.60	6.5	3.9	4.3
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS2(A)	14:46	3.4	Middle	2	2	24.87	7.84	31.35	90.00	6.5	4.1	3.2
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS2(A)	14:46	5.7	Bottom	3	1	24.87	7.83	31.48	90.00	6.5	4.6	3.4
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS2(A)	14:45	5.7	Bottom	3	2	24.87	7.84	31.50	90.10	6.5	4.5	2.9
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS(Mf)5	16:49	1.0	Surface	1	1	25.48	8.04	30.03	92.30	6.4	3.9	5.1
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS(Mf)5	16:49	1.0	Surface	1	2	25.41	8.03	30.16	92.10	6.4	3.8	4.8

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS(Mf)5	16:49	5.9	Middle	2	1	25.20	8.03	30.63	91.70	6.3	3.8	3.4
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS(Mf)5	16:48	5.9	Middle	2	2	25.19	8.03	30.64	92.00	6.4	3.8	4.2
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS(Mf)5	16:48	10.8	Bottom	3	1	25.21	8.03	30.62	91.70	6.3	3.9	3.6
HKLR	HY/2011/03	2023-05-10	Mid-Ebb	Fine	CS(Mf)5	16:49	10.8	Bottom	3	2	25.23	8.03	30.57	91.30	6.3	3.9	3.0
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS5	9:24	1.0	Surface	1	1	25.50	8.03	29.93	94.10	6.5	3.6	2.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS5	9:23	1.0	Surface	1	2	25.42	8.02	30.07	95.90	6.6	3.4	4.3
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS5	9:23	4.2	Middle	2	1	25.22	8.02	30.52	92.70	6.4	3.5	3.2
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS5	9:23	4.2	Middle	2	2	25.22	8.02	30.53	94.00	6.5	3.5	4.0
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS5	9:23	7.4	Bottom	3	1	25.24	8.02	30.57	94.00	6.5	3.5	4.1
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS5	9:23	7.4	Bottom	3	2	25.23	8.02	30.57	92.30	6.4	3.5	3.6
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS(Mf)6	9:14	1.0	Surface	1	1	25.45	8.00	30.01	93.70	6.5	3.4	2.5
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS(Mf)6	9:14	1.0	Surface	1	2	25.47	8.00	29.98	93.50	6.5	3.5	2.8
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS(Mf)6	9:14	2.2	Bottom	3	1	25.36	7.99	30.29	93.70	6.5	3.8	3.0
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS(Mf)6	9:14	2.2	Bottom	3	2	25.40	7.99	30.24	93.40	6.5	3.8	3.2
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS7	9:04	1.0	Surface	1	1	25.45	8.01	29.99	93.30	6.5	3.5	2.6
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS7	9:03	1.0	Surface	1	2	25.40	8.01	30.07	93.30	6.5	3.6	3.7
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS7	9:03	2.1	Bottom	3	1	25.33	8.00	30.32	92.90	6.4	3.5	2.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS7	9:03	2.1	Bottom	3	2	25.37	8.01	30.28	93.20	6.4	3.5	3.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS8(N)	8:31	1.0	Surface	1	1	25.48	8.02	29.97	93.60	6.5	3.9	3.6
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS8(N)	8:31	1.0	Surface	1	2	25.48	8.02	29.98	93.80	6.5	4.1	2.8
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS8(N)	8:31	3.1	Bottom	3	1	25.36	8.01	30.30	93.70	6.5	4.0	2.8
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS8(N)	8:31	3.1	Bottom	3	2	25.40	8.01	30.25	93.40	6.5	4.0	3.4
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS(Mf)9	8:55	1.0	Surface	1	1	25.49	8.03	29.97	93.60	6.5	4.2	2.8
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS(Mf)9	8:54	1.0	Surface	1	2	25.50	8.03	29.96	93.80	6.5	4.1	2.5
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS(Mf)9	8:54	2.7	Bottom	3	1	25.43	8.02	30.16	93.70	6.5	4.1	2.1
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS(Mf)9	8:55	2.7	Bottom	3	2	25.43	8.02	30.22	93.40	6.5	3.9	2.5
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS10(N)	8:50	1.0	Surface	1	1	24.95	7.86	30.98	89.70	6.5	3.7	2.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS10(N)	8:51	1.0	Surface	1	2	24.97	7.86	30.99	90.10	6.5	3.8	2.8
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS10(N)	8:51	5.3	Middle	2	1	24.90	7.85	31.32	87.70	6.3	4.2	2.8
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS10(N)	8:50	5.3	Middle	2	2	24.90	7.85	31.30	88.00	6.3	4.3	2.6
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS10(N)	8:51	9.6	Bottom	3	1	24.92	7.85	31.36	87.70	6.3	4.5	2.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	IS10(N)	8:50	9.6	Bottom	3	2	24.91	7.85	31.35	87.70	6.3	4.5	3.0
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR3(N)	9:35	1.0	Surface	1	1	25.49	8.03	30.01	94.50	6.5	3.8	3.2
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR3(N)	9:35	1.0	Surface	1	2	25.50	8.03	30.01	94.70	6.5	3.8	3.1
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR3(N)	9:34	2.2	Bottom	3	1	25.47	8.03	30.27	94.30	6.5	3.8	3.0
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR3(N)	9:35	2.2	Bottom	3	2	25.44	8.02	30.18	94.50	6.5	3.9	3.1
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR4(N3)	8:41	1.0	Surface	1	1	25.49	8.02	29.96	93.60	6.5	3.8	3.2
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR4(N3)	8:41	1.0	Surface	1	2	25.51	8.02	29.94	93.50	6.5	3.7	2.5
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR4(N3)	8:40	2.8	Bottom	3	1	25.38	8.01	30.28	93.50	6.5	3.8	3.7
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR4(N3)	8:41	2.8	Bottom	3	2	25.38	8.01	30.29	93.30	6.4	3.7	2.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR5(N)	9:00	1.0	Surface	1	1	24.98	7.86	31.04	87.30	6.3	4.0	2.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR5(N)	8:59	1.0	Surface	1	2	24.98	7.86	31.04	87.40	6.3	3.8	2.6
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR5(N)	9:00	4.6	Middle	2	1	24.92	7.85	31.29	86.50	6.2	4.2	3.0
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR5(N)	8:59	4.6	Middle	2	2	24.92	7.85	31.30	86.90	6.3	4.2	3.0
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR5(N)	8:59	8.2	Bottom	3	1	24.89	7.84	31.40	87.10	6.3	4.4	3.4
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR5(N)	9:00	8.2	Bottom	3	2	24.90	7.84	31.39	86.70	6.2	4.6	3.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10A(N)	8:01	1.0	Surface	1	1	25.12	7.84	31.35	86.80	6.2	3.3	4.1
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10A(N)	8:01	1.0	Surface	1	2	25.16	7.84	31.29	86.80	6.2	3.3	3.1
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10A(N)	8:00	6.5	Middle	2	1	25.04	7.83	31.62	86.00	6.2	3.4	3.2
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10A(N)	8:01	6.5	Middle	2	2	25.03	7.83	31.63	85.40	6.1	3.4	2.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10A(N)	8:01	11.9	Bottom	3	1	25.07	7.83	31.65	86.00	6.2	3.8	3.6
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10A(N)	8:00	11.9	Bottom	3	2	25.04	7.83	31.66	86.30	6.2	3.9	2.7
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10B(N2)	7:51	1.0	Surface	1	1	25.16	7.84	31.28	91.60	6.6	3.3	2.7
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10B(N2)	7:51	1.0	Surface	1	2	25.17	7.82	31.29	91.40	6.6	3.3	3.7
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10B(N2)	7:50	3.8	Middle	2	1	25.07	7.81	31.51	89.20	6.4	3.5	3.4
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10B(N2)	7:51	3.8	Middle	2	2	25.09	7.82	31.43	87.50	6.3	3.5	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10B(N2)	7:51	6.5	Bottom	3	1	25.05	7.82	31.60	86.80	6.2	3.8	3.8
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	SR10B(N2)	7:50	6.5	Bottom	3	2	25.03	7.81	31.62	86.90	6.2	3.7	3.7
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS2(A)	9:49	1.0	Surface	1	1	24.91	7.86	30.96	88.40	6.4	4.1	2.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS2(A)	9:49	1.0	Surface	1	2	24.90	7.87	31.00	88.50	6.4	4.1	3.2
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS2(A)	9:49	3.3	Middle	2	1	24.87	7.86	31.16	87.70	6.4	4.3	3.3
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS2(A)	9:49	3.3	Middle	2	2	24.88	7.87	31.18	87.80	6.4	4.4	4.6
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS2(A)	9:48	5.6	Bottom	3	1	24.85	7.87	31.31	88.20	6.4	4.7	4.0
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS2(A)	9:49	5.6	Bottom	3	2	24.86	7.86	31.31	87.90	6.4	4.9	3.4
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS(Mf)5	7:43	1.0	Surface	1	1	25.49	7.99	29.93	94.50	6.5	4.1	4.2
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS(Mf)5	7:43	1.0	Surface	1	2	25.45	8.02	29.98	92.90	6.4	4.3	3.4
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS(Mf)5	7:43	6.1	Middle	2	1	25.22	8.00	30.60	92.70	6.4	4.3	3.9
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS(Mf)5	7:42	6.1	Middle	2	2	25.21	7.97	30.63	94.00	6.5	4.2	3.7
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS(Mf)5	7:42	11.1	Bottom	3	1	25.20	7.96	30.65	92.70	6.4	4.2	3.3
HKLR	HY/2011/03	2023-05-10	Mid-Flood	Fine	CS(Mf)5	7:43	11.1	Bottom	3	2	25.22	7.99	30.59	91.90	6.4	4.2	3.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS5	18:27	1.0	Surface	1	1	25.33	7.84	30.96	91.90	6.6	3.7	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS5	18:28	1.0	Surface	1	2	25.36	7.84	30.97	92.70	6.6	3.8	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS5	18:27	4.3	Middle	2	1	25.22	7.82	31.24	91.10	6.5	4.0	3.0
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS5	18:27	4.3	Middle	2	2	25.24	7.82	31.23	91.70	6.6	4.0	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS5	18:27	7.5	Bottom	3	1	25.20	7.83	31.25	90.90	6.5	4.0	2.4
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS5	18:27	7.5	Bottom	3	2	25.22	7.82	31.23	91.60	6.6	4.1	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS(Mf)6	18:37	1.0	Surface	1	1	25.35	7.84	30.92	93.50	6.7	3.8	3.7
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS(Mf)6	18:37	1.0	Surface	1	2	25.34	7.84	30.91	92.60	6.6	3.8	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS(Mf)6	18:37	2.2	Bottom	3	1	25.32	7.84	31.00	91.90	6.6	4.2	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS(Mf)6	18:37	2.2	Bottom	3	2	25.27	7.84	31.01	90.50	6.5	4.2	2.4
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS7	18:48	1.0	Surface	1	1	25.35	7.85	30.93	94.10	6.7	3.6	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS7	18:48	1.0	Surface	1	2	25.34	7.85	30.93	93.60	6.7	3.7	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS7	18:47	2.3	Bottom	3	1	25.28	7.85	31.05	92.70	6.6	3.9	2.7
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS7	18:48	2.3	Bottom	3	2	25.31	7.84	31.02	93.20	6.7	3.9	2.0
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS8(N)	19:23	1.0	Surface	1	1	25.34	7.82	30.89	91.40	6.5	3.6	1.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS8(N)	19:24	1.0	Surface	1	2	25.35	7.83	30.86	92.10	6.6	3.6	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS8(N)	19:23	3.0	Bottom	3	1	25.31	7.82	30.98	91.30	6.5	4.0	2.0
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS8(N)	19:23	3.0	Bottom	3	2	25.26	7.82	31.04	90.50	6.5	4.0	1.9
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS(Mf)9	18:57	1.0	Surface	1	1	25.35	7.84	30.92	93.50	6.7	3.6	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS(Mf)9	18:57	1.0	Surface	1	2	25.34	7.84	30.92	92.90	6.6	3.7	2.0
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS(Mf)9	18:57	2.7	Bottom	3	1	25.30	7.84	31.03	93.10	6.7	3.8	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS(Mf)9	18:57	2.7	Bottom	3	2	25.26	7.83	31.03	92.40	6.6	3.8	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS10(N)	18:32	1.0	Surface	1	1	24.00	8.09	29.93	98.70	7.5	2.4	1.9
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS10(N)	18:33	1.0	Surface	1	2	23.99	8.08	29.91	99.00	7.5	2.5	1.0
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS10(N)	18:33	5.3	Middle	2	1	24.05	8.08	30.04	98.40	7.5	2.5	2.1
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS10(N)	18:32	5.3	Middle	2	2	24.09	8.07	30.22	98.30	7.4	2.6	1.8
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS10(N)	18:31	9.6	Bottom	3	1	24.14	8.07	30.43	98.40	7.4	2.6	3.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	IS10(N)	18:32	9.6	Bottom	3	2	24.12	8.07	30.33	98.30	7.4	2.5	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR3(N)	18:16	1.0	Surface	1	1	25.38	7.84	30.94	93.60	6.7	3.9	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR3(N)	18:15	1.0	Surface	1	2	25.38	7.84	30.92	92.80	6.6	3.9	1.9
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR3(N)	18:15	2.3	Bottom	3	1	25.34	7.84	30.97	92.50	6.6	3.9	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR3(N)	18:15	2.3	Bottom	3	2	25.31	7.84	30.97	91.10	6.5	4.1	2.7
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR4(N3)	19:13	1.0	Surface	1	1	25.36	7.83	30.87	91.90	6.6	3.2	2.4
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR4(N3)	19:12	1.0	Surface	1	2	25.36	7.82	30.86	91.50	6.5	3.3	3.9
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR4(N3)	19:12	2.9	Bottom	3	1	25.33	7.81	30.98	91.10	6.5	3.5	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR4(N3)	19:12	2.9	Bottom	3	2	25.33	7.81	30.97	90.40	6.5	3.5	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR5(N)	18:23	1.0	Surface	1	1	24.01	8.09	29.94	99.20	7.5	2.3	3.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR5(N)	18:22	1.0	Surface	1	2	24.01	8.09	29.93	98.90	7.5	2.4	2.7
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR5(N)	18:22	4.7	Middle	2	1	24.12	8.08	30.28	98.60	7.4	2.5	2.7
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR5(N)	18:23	4.7	Middle	2	2	24.05	8.08	30.05	98.70	7.5	2.4	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR5(N)	18:22	8.4	Bottom	3	1	24.12	8.07	30.32	98.60	7.4	2.5	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR5(N)	18:21	8.4	Bottom	3	2	24.13	8.08	30.34	98.60	7.4	2.6	3.4
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10A(N)	19:27	1.0	Surface	1	1	23.99	8.07	32.12	98.70	7.4	2.2	3.4
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10A(N)	19:30	1.0	Surface	1	2	24.02	8.07	32.46	98.70	7.4	2.2	2.7
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10A(N)	19:27	6.3	Middle	2	1	24.03	8.07	32.39	98.50	7.4	2.4	3.0
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10A(N)	19:30	6.3	Middle	2	2	23.95	8.07	32.62	98.50	7.4	2.3	2.4
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10A(N)	19:27	11.5	Bottom	3	1	23.96	8.07	33.09	98.40	7.4	2.4	4.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10A(N)	19:27	11.5	Bottom	3	2	23.97	8.07	32.88	98.20	7.3	2.6	3.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10B(N2)	19:38	1.0	Surface	1	1	23.92	8.07	32.85	98.50	7.4	2.1	2.7
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10B(N2)	19:37	1.0	Surface	1	2	23.94	8.07	32.73	98.60	7.4	2.2	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10B(N2)	19:38	3.7	Middle	2	1	23.94	8.07	32.93	98.20	7.3	2.2	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10B(N2)	19:37	3.7	Middle	2	2	23.94	8.07	33.00	98.40	7.4	2.3	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10B(N2)	19:37	6.3	Bottom	3	1	23.93	8.07	33.09	98.40	7.4	2.3	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	SR10B(N2)	19:38	6.3	Bottom	3	2	23.94	8.07	33.00	98.30	7.3	2.2	4.1
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS2(A)	17:27	1.0	Surface	1	1	23.54	8.16	35.15	107.00	7.9	2.6	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS2(A)	17:28	1.0	Surface	1	2	23.54	8.16	35.15	106.80	7.9	2.5	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS2(A)	17:28	3.1	Middle	2	1	23.54	8.16	35.15	106.70	7.9	2.6	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS2(A)	17:27	3.1	Middle	2	2	23.53	8.16	35.15	106.80	7.9	2.6	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS2(A)	17:27	5.2	Bottom	3	1	23.54	8.16	35.15	106.70	7.9	2.6	3.2
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS2(A)	17:27	5.2	Bottom	3	2	23.54	8.16	35.16	106.80	7.9	2.7	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS(Mf)5	20:06	1.0	Surface	1	1	25.28	7.82	30.98	86.90	6.2	3.2	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS(Mf)5	20:06	1.0	Surface	1	2	25.30	7.81	30.98	86.50	6.2	3.2	3.0
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS(Mf)5	20:05	6.5	Middle	2	1	24.78	7.76	31.73	84.70	6.1	3.4	3.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS(Mf)5	20:06	6.5	Middle	2	2	24.78	7.76	31.71	85.00	6.1	3.2	3.7
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS(Mf)5	20:05	11.9	Bottom	3	1	24.75	7.76	31.74	84.10	6.0	3.5	3.3
HKLR	HY/2011/03	2023-05-12	Mid-Ebb	Fine	CS(Mf)5	20:06	11.9	Bottom	3	2	24.77	7.76	31.12	84.10	6.0	3.5	4.0
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS5	6:19	1.0	Surface	1	1	25.15	7.83	30.89	87.70	6.2	3.5	2.4
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS5	6:18	1.0	Surface	1	2	25.17	7.84	30.89	88.50	6.3	3.4	2.7
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS5	6:18	4.2	Middle	2	1	24.89	7.79	31.32	86.00	6.1	3.8	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS5	6:18	4.2	Middle	2	2	24.87	7.79	31.32	86.30	6.1	3.7	3.0
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS5	6:18	7.4	Bottom	3	1	24.78	7.78	31.44	85.60	6.1	3.9	3.4
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS5	6:18	7.4	Bottom	3	2	24.90	7.79	31.42	85.00	6.0	3.9	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS(Mf)6	6:08	1.0	Surface	1	1	25.23	7.85	30.91	91.00	6.4	3.5	2.4
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS(Mf)6	6:07	1.0	Surface	1	2	25.21	7.85	30.92	90.60	6.4	3.5	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS(Mf)6	6:07	2.2	Bottom	3	1	25.16	7.84	31.03	90.10	6.4	3.8	3.2
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS(Mf)6	6:07	2.2	Bottom	3	2	25.18	7.85	31.00	90.40	6.4	3.8	3.2
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS7	5:58	1.0	Surface	1	1	25.24	7.85	30.85	90.70	6.4	3.4	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS7	5:58	1.0	Surface	1	2	25.20	7.85	30.89	90.30	6.4	3.5	3.1
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS7	5:58	2.3	Bottom	3	1	25.19	7.84	30.96	90.20	6.4	3.8	3.0
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS7	5:58	2.3	Bottom	3	2	25.16	7.84	30.96	90.00	6.4	3.8	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS8(N)	5:23	1.0	Surface	1	1	25.19	7.83	30.79	89.40	6.3	3.4	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS8(N)	5:23	1.0	Surface	1	2	25.16	7.83	30.81	89.90	6.4	3.4	2.4
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS8(N)	5:23	3.0	Bottom	3	1	25.12	7.82	31.00	89.10	6.3	3.6	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS8(N)	5:22	3.0	Bottom	3	2	25.12	7.82	31.02	88.40	6.3	3.7	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS(Mf)9	5:48	1.0	Surface	1	1	25.27	7.85	30.83	90.60	6.4	3.3	3.1
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS(Mf)9	5:48	1.0	Surface	1	2	25.26	7.85	30.84	90.20	6.4	3.2	3.2
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS(Mf)9	5:48	2.6	Bottom	3	1	25.23	7.84	30.95	89.70	6.3	3.7	3.5
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS(Mf)9	5:48	2.6	Bottom	3	2	25.16	7.84	30.94	88.80	6.3	3.7	2.7
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS10(N)	5:52	1.0	Surface	1	1	24.25	8.06	30.12	98.20	7.4	2.3	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS10(N)	5:52	1.0	Surface	1	2	24.25	8.06	30.35	98.40	7.4	2.4	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS10(N)	5:52	5.4	Middle	2	1	24.24	8.06	30.80	98.40	7.4	2.5	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS10(N)	5:52	5.4	Middle	2	2	24.25	8.06	30.48	98.00	7.4	2.4	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS10(N)	5:51	9.8	Bottom	3	1	24.23	8.06	30.84	98.50	7.4	2.6	3.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	IS10(N)	5:52	9.8	Bottom	3	2	24.25	8.06	30.68	98.10	7.4	2.5	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR3(N)	6:29	1.0	Surface	1	1	25.20	7.83	30.88	88.60	6.3	3.6	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR3(N)	6:30	1.0	Surface	1	2	25.22	7.84	30.87	89.40	6.3	3.6	3.7
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR3(N)	6:30	2.3	Bottom	3	1	25.18	7.84	31.00	88.30	6.2	3.8	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR3(N)	6:29	2.3	Bottom	3	2	25.11	7.82	31.03	87.10	6.2	4.0	3.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR4(N3)	5:32	1.0	Surface	1	1	25.24	7.83	30.79	89.20	6.3	3.2	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR4(N3)	5:32	1.0	Surface	1	2	25.18	7.83	30.79	89.60	6.3	3.2	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR4(N3)	5:32	2.9	Bottom	3	1	25.14	7.81	30.99	88.90	6.3	3.4	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR4(N3)	5:32	2.9	Bottom	3	2	25.11	7.82	31.03	89.20	6.3	3.4	3.3
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR5(N)	6:02	1.0	Surface	1	1	24.26	8.07	30.14	97.80	7.4	2.5	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR5(N)	6:01	1.0	Surface	1	2	24.25	8.07	30.18	97.60	7.4	2.5	1.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR5(N)	6:02	4.8	Middle	2	1	24.28	8.07	30.56	97.40	7.3	2.5	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR5(N)	6:01	4.8	Middle	2	2	24.27	8.06	30.61	97.50	7.3	2.6	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR5(N)	6:02	8.5	Bottom	3	1	24.24	8.06	30.88	97.40	7.3	2.6	2.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR5(N)	6:01	8.5	Bottom	3	2	24.26	8.06	30.78	97.40	7.3	2.6	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10A(N)	4:57	1.0	Surface	1	1	24.17	8.06	30.54	100.00	7.5	2.4	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10A(N)	4:57	1.0	Surface	1	2	24.16	8.06	30.54	100.00	7.5	2.4	1.7
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10A(N)	4:57	6.4	Middle	2	1	24.15	8.06	30.70	99.80	7.5	2.6	1.7
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10A(N)	4:56	6.4	Middle	2	2	24.15	8.06	30.71	99.80	7.5	2.5	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10A(N)	4:56	11.7	Bottom	3	1	24.15	8.06	30.87	99.70	7.5	2.5	1.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10A(N)	4:57	11.7	Bottom	3	2	24.16	8.06	30.78	99.80	7.5	2.6	2.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10B(N2)	4:48	1.0	Surface	1	1	24.15	8.05	31.02	99.90	7.5	2.2	1.8
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10B(N2)	4:48	1.0	Surface	1	2	24.15	8.05	31.04	99.80	7.5	2.2	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10B(N2)	4:47	3.7	Middle	2	1	24.16	8.04	31.07	99.80	7.5	2.3	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10B(N2)	4:48	3.7	Middle	2	2	24.16	8.05	31.00	99.70	7.5	2.3	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10B(N2)	4:48	6.4	Bottom	3	1	24.16	8.05	31.03	99.70	7.5	2.3	2.1
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	SR10B(N2)	4:47	6.4	Bottom	3	2	24.15	8.04	31.10	99.90	7.5	2.4	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS2(A)	6:55	1.0	Surface	1	1	23.64	8.10	31.36	103.40	7.8	2.4	3.4
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS2(A)	6:56	1.0	Surface	1	2	23.63	8.10	31.37	103.60	7.8	2.4	2.1
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS2(A)	6:55	3.2	Middle	2	1	23.69	8.10	32.30	103.30	7.8	2.4	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS2(A)	6:56	3.2	Middle	2	2	23.67	8.10	31.94	103.30	7.8	2.5	2.2
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS2(A)	6:55	5.4	Bottom	3	1	23.71	8.10	32.59	103.30	7.7	2.4	2.6
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS2(A)	6:55	5.4	Bottom	3	2	23.70	8.10	32.61	103.40	7.8	2.5	1.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS(Mf)5	4:42	1.0	Surface	1	1	25.15	7.80	30.93	88.70	6.3	3.3	2.9
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS(Mf)5	4:43	1.0	Surface	1	2	25.16	7.81	30.87	88.80	6.3	3.2	3.0
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS(Mf)5	4:43	6.3	Middle	2	1	24.90	7.78	31.30	86.60	6.1	3.4	3.4
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS(Mf)5	4:42	6.3	Middle	2	2	24.93	7.77	31.34	87.50	6.2	3.5	2.5
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS(Mf)5	4:43	11.6	Bottom	3	1	24.88	7.77	31.42	86.00	6.1	3.7	2.3
HKLR	HY/2011/03	2023-05-12	Mid-Flood	Fine	CS(Mf)5	4:42	11.6	Bottom	3	2	24.96	7.77	31.43	86.10	6.1	3.7	2.1
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS5	10:43	1.0	Surface	1	1	25.05	7.88	32.14	93.40	6.8	3.5	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS5	10:42	1.0	Surface	1	2	25.07	7.90	32.13	96.00	6.9	3.5	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS5	10:42	4.3	Middle	2	1	24.83	7.86	32.51	90.20	6.5	3.7	2.2
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS5	10:42	4.3	Middle	2	2	24.81	7.85	32.52	91.50	6.6	3.6	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS5	10:42	7.5	Bottom	3	1	24.71	7.84	32.65	90.20	6.5	4.0	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS5	10:41	7.5	Bottom	3	2	24.83	7.86	32.62	89.30	6.4	3.9	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS(Mf)6	10:33	1.0	Surface	1	1	25.12	7.90	32.15	94.00	6.8	3.4	2.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS(Mf)6	10:33	1.0	Surface	1	2	25.10	7.90	32.16	93.70	6.7	3.4	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS(Mf)6	10:32	2.2	Bottom	3	1	25.09	7.89	32.27	93.40	6.7	3.8	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS(Mf)6	10:33	2.2	Bottom	3	2	25.10	7.90	32.25	93.50	6.7	3.9	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS7	10:24	1.0	Surface	1	1	25.13	7.90	32.12	93.80	6.8	3.3	2.5
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS7	10:24	1.0	Surface	1	2	25.10	7.90	32.15	93.50	6.7	3.3	1.7
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS7	10:24	2.3	Bottom	3	1	25.09	7.89	32.21	93.40	6.7	3.7	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS7	10:23	2.3	Bottom	3	2	25.08	7.89	32.23	93.30	6.7	3.6	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS8(N)	9:50	1.0	Surface	1	1	25.06	7.89	32.11	97.60	7.1	3.5	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS8(N)	9:50	1.0	Surface	1	2	25.09	7.89	32.09	95.60	6.9	3.4	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS8(N)	9:50	3.0	Bottom	3	1	25.05	7.88	32.31	94.70	6.8	3.7	1.9
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS8(N)	9:50	3.0	Bottom	3	2	25.06	7.89	32.34	93.50	6.8	3.8	2.3
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS(Mf)9	10:14	1.0	Surface	1	1	25.15	7.90	32.12	93.50	6.7	3.3	3.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS(Mf)9	10:14	1.0	Surface	1	2	25.15	7.90	32.10	93.80	6.8	3.4	3.5
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS(Mf)9	10:14	2.5	Bottom	3	1	25.14	7.89	32.23	93.00	6.7	3.9	2.6
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS(Mf)9	10:14	2.5	Bottom	3	2	25.09	7.89	32.24	92.50	6.7	3.8	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS10(N)	10:14	1.0	Surface	1	1	24.95	7.90	31.82	94.50	6.7	3.4	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS10(N)	10:13	1.0	Surface	1	2	24.93	7.90	31.84	95.00	6.8	3.4	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS10(N)	10:13	5.3	Middle	2	1	24.82	7.89	32.07	92.00	6.6	3.8	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS10(N)	10:13	5.3	Middle	2	2	24.82	7.89	32.08	91.10	6.5	3.8	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS10(N)	10:13	9.6	Bottom	3	1	24.84	7.89	32.09	91.00	6.5	4.3	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	IS10(N)	10:12	9.6	Bottom	3	2	24.83	7.90	32.11	91.30	6.5	4.2	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR3(N)	10:52	1.0	Surface	1	1	25.09	7.88	32.13	91.80	6.6	4.0	1.9
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR3(N)	10:52	1.0	Surface	1	2	25.11	7.89	32.11	92.50	6.7	3.9	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR3(N)	10:52	2.4	Bottom	3	1	25.09	7.89	32.23	91.40	6.6	4.1	2.3
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR3(N)	10:52	2.4	Bottom	3	2	25.02	7.88	32.26	90.50	6.5	4.2	1.7
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR4(N3)	10:00	1.0	Surface	1	1	25.12	7.88	32.09	93.10	6.7	3.3	1.5
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR4(N3)	9:59	1.0	Surface	1	2	25.07	7.88	32.08	93.40	6.8	3.1	1.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR4(N3)	10:00	2.9	Bottom	3	1	25.06	7.87	32.30	92.90	6.7	3.5	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR4(N3)	9:59	2.9	Bottom	3	2	25.05	7.88	32.34	93.40	6.7	3.4	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR5(N)	10:23	1.0	Surface	1	1	24.94	7.92	31.87	90.80	6.5	3.6	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR5(N)	10:22	1.0	Surface	1	2	24.95	7.91	31.87	90.70	6.5	3.6	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR5(N)	10:23	4.8	Middle	2	1	24.85	7.91	32.04	90.10	6.4	3.9	1.7
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR5(N)	10:22	4.8	Middle	2	2	24.84	7.91	32.05	90.20	6.4	4.1	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR5(N)	10:22	8.6	Bottom	3	1	24.82	7.90	32.11	90.40	6.4	4.2	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR5(N)	10:23	8.6	Bottom	3	2	24.83	7.91	32.11	90.10	6.4	4.4	1.1
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10A(N)	9:22	1.0	Surface	1	1	25.26	7.90	32.37	90.10	6.3	3.4	2.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10A(N)	9:21	1.0	Surface	1	2	25.28	7.89	32.34	89.60	6.3	3.4	2.9
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10A(N)	9:21	6.3	Middle	2	1	25.09	7.88	32.61	88.80	6.3	3.5	2.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10A(N)	9:21	6.3	Middle	2	2	25.08	7.88	32.63	88.30	6.2	3.5	4.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10A(N)	9:21	11.5	Bottom	3	1	25.10	7.88	32.64	88.90	6.3	3.9	1.9
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10A(N)	9:20	11.5	Bottom	3	2	25.10	7.88	32.64	89.10	6.3	4.0	3.0
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10B(N2)	9:10	1.0	Surface	1	1	25.29	7.88	32.33	96.60	6.8	3.4	2.5
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10B(N2)	9:10	1.0	Surface	1	2	25.31	7.85	32.32	97.70	6.9	3.5	2.2
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10B(N2)	9:09	3.9	Middle	2	1	25.13	7.85	32.50	93.20	6.6	3.6	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10B(N2)	9:10	3.9	Middle	2	2	25.16	7.86	32.44	91.10	6.4	3.7	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10B(N2)	9:10	6.8	Bottom	3	1	25.12	7.86	32.57	90.10	6.4	3.9	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	SR10B(N2)	9:09	6.8	Bottom	3	2	25.08	7.85	32.61	90.60	6.4	3.8	1.5
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS2(A)	11:16	1.0	Surface	1	1	24.89	7.92	31.88	91.10	6.5	3.7	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS2(A)	11:17	1.0	Surface	1	2	24.88	7.91	31.85	91.00	6.5	3.8	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS2(A)	11:16	3.3	Middle	2	1	24.83	7.93	31.99	90.40	6.4	4.1	2.1
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS2(A)	11:16	3.3	Middle	2	2	24.82	7.91	31.97	90.30	6.4	3.9	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS2(A)	11:15	5.5	Bottom	3	1	24.78	7.93	32.09	90.50	6.5	4.2	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS2(A)	11:16	5.5	Bottom	3	2	24.80	7.92	32.10	90.30	6.4	4.4	1.5
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS(Mf)5	9:02	1.0	Surface	1	1	25.19	7.85	32.47	93.00	6.7	3.4	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS(Mf)5	9:03	1.0	Surface	1	2	25.20	7.86	32.44	92.80	6.7	3.3	1.5
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS(Mf)5	9:03	6.4	Middle	2	1	24.99	7.84	32.78	91.20	6.6	3.6	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS(Mf)5	9:02	6.4	Middle	2	2	25.02	7.83	32.79	92.40	6.6	3.6	1.5
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS(Mf)5	9:03	11.8	Bottom	3	1	24.97	7.83	32.89	91.00	6.5	4.0	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Ebb	Fine	CS(Mf)5	9:02	11.8	Bottom	3	2	25.05	7.82	32.88	91.60	6.6	4.0	1.7
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS5	14:20	1.0	Surface	1	1	25.21	7.89	32.19	95.40	6.9	3.6	1.9
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS5	14:21	1.0	Surface	1	2	25.23	7.89	32.19	95.90	7.0	3.6	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS5	14:20	4.2	Middle	2	1	25.13	7.88	32.40	94.90	6.9	4.0	2.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS5	14:20	4.2	Middle	2	2	25.15	7.88	32.39	95.10	6.9	3.9	2.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS5	14:20	7.4	Bottom	3	1	25.13	7.88	32.39	95.20	6.9	4.2	2.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS5	14:20	7.4	Bottom	3	2	25.12	7.88	32.41	95.00	6.9	4.0	1.9
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS(Mf)6	14:31	1.0	Surface	1	1	25.22	7.91	32.17	98.90	7.2	3.5	2.1
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS(Mf)6	14:32	1.0	Surface	1	2	25.23	7.90	32.18	100.40	7.3	3.5	2.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS(Mf)6	14:32	2.2	Bottom	3	1	25.22	7.90	32.25	97.50	7.1	3.9	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS(Mf)6	14:31	2.2	Bottom	3	2	25.15	7.92	32.25	95.80	7.0	3.9	2.4
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS7	14:41	1.0	Surface	1	1	25.24	7.90	32.19	97.60	7.1	3.3	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS7	14:40	1.0	Surface	1	2	25.23	7.90	32.19	97.50	7.1	3.5	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS7	14:40	2.3	Bottom	3	1	25.19	7.90	32.29	97.10	7.0	3.6	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS7	14:40	2.3	Bottom	3	2	25.21	7.90	32.26	97.10	7.0	3.6	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS8(N)	15:22	1.0	Surface	1	1	25.23	7.87	32.15	94.90	6.9	3.6	1.9
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS8(N)	15:22	1.0	Surface	1	2	25.25	7.88	32.12	95.40	6.9	3.5	1.5
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS8(N)	15:22	2.9	Bottom	3	1	25.22	7.87	32.22	94.80	6.9	3.8	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS8(N)	15:22	2.9	Bottom	3	2	25.18	7.87	32.27	94.40	6.8	3.8	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS(Mf)9	14:50	1.0	Surface	1	1	25.24	7.89	32.19	96.90	7.0	3.4	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS(Mf)9	14:50	1.0	Surface	1	2	25.23	7.89	32.18	96.60	7.0	3.5	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS(Mf)9	14:50	2.6	Bottom	3	1	25.18	7.88	32.28	96.30	7.0	3.6	1.9
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS(Mf)9	14:50	2.6	Bottom	3	2	25.22	7.89	32.29	96.60	7.0	3.6	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS10(N)	15:19	1.0	Surface	1	1	25.13	7.93	31.86	90.90	6.4	3.7	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS10(N)	15:20	1.0	Surface	1	2	25.14	7.94	31.82	91.80	6.5	3.6	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS10(N)	15:19	5.4	Middle	2	1	25.05	7.91	32.28	90.50	6.4	3.9	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS10(N)	15:20	5.4	Middle	2	2	25.04	7.91	32.26	90.80	6.4	3.9	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS10(N)	15:20	9.7	Bottom	3	1	25.04	7.91	32.26	90.70	6.4	3.8	1.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	IS10(N)	15:19	9.7	Bottom	3	2	25.01	7.91	32.32	90.60	6.4	3.7	1.7
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR3(N)	14:11	1.0	Surface	1	1	25.24	7.89	32.18	99.30	7.2	3.8	2.4
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR3(N)	14:10	1.0	Surface	1	2	25.24	7.89	32.17	97.40	7.1	3.8	2.7
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR3(N)	14:10	2.4	Bottom	3	1	25.22	7.90	32.20	96.70	7.0	4.0	1.5
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR3(N)	14:10	2.4	Bottom	3	2	25.19	7.90	32.20	95.40	6.9	4.1	2.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR4(N3)	15:14	1.0	Surface	1	1	25.25	7.88	32.14	95.00	6.9	3.4	2.1
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR4(N3)	15:13	1.0	Surface	1	2	25.25	7.87	32.13	94.60	6.9	3.5	2.5
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR4(N3)	15:13	2.9	Bottom	3	1	25.24	7.86	32.24	93.80	6.8	3.8	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR4(N3)	15:13	2.9	Bottom	3	2	25.23	7.86	32.24	94.30	6.8	3.7	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR5(N)	15:12	1.0	Surface	1	1	25.21	7.91	31.86	92.60	6.6	3.5	0.9
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR5(N)	15:11	1.0	Surface	1	2	25.10	7.91	31.85	91.80	6.5	3.4	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR5(N)	15:12	4.9	Middle	2	1	25.10	7.90	32.18	91.60	6.5	3.5	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR5(N)	15:11	4.9	Middle	2	2	25.06	7.90	32.17	91.20	6.5	3.6	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR5(N)	15:11	8.7	Bottom	3	1	25.03	7.90	32.28	90.60	6.4	4.1	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR5(N)	15:11	8.7	Bottom	3	2	25.04	7.90	32.28	91.40	6.5	4.1	2.0
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10A(N)	16:08	1.0	Surface	1	1	25.26	7.92	32.61	93.90	6.6	3.5	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10A(N)	16:09	1.0	Surface	1	2	25.26	7.91	32.63	94.60	6.7	3.5	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10A(N)	16:09	6.2	Middle	2	1	25.12	7.91	32.84	90.10	6.3	3.7	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10A(N)	16:08	6.2	Middle	2	2	25.11	7.93	32.86	91.00	6.4	3.7	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10A(N)	16:08	11.3	Bottom	3	1	25.12	7.94	32.86	91.50	6.4	3.7	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10A(N)	16:09	11.3	Bottom	3	2	25.13	7.91	32.84	90.50	6.4	3.8	1.9
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10B(N2)	16:21	1.0	Surface	1	1	25.27	7.93	32.65	90.80	6.4	3.2	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10B(N2)	16:20	1.0	Surface	1	2	25.26	7.92	32.64	90.90	6.4	3.2	1.5
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10B(N2)	16:20	4	Middle	2	1	25.16	7.93	32.74	90.40	6.4	3.4	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10B(N2)	16:21	4	Middle	2	2	25.16	7.92	32.75	90.20	6.3	3.4	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10B(N2)	16:20	7.0	Bottom	3	1	25.17	7.93	32.79	90.50	6.4	3.6	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	SR10B(N2)	16:20	7.0	Bottom	3	2	25.15	7.92	32.79	90.20	6.3	3.6	1.2
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS2(A)	14:22	1.0	Surface	1	1	24.98	7.90	31.88	96.40	6.8	3.5	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS2(A)	14:23	1.0	Surface	1	2	25.00	7.90	31.87	94.80	6.7	3.4	1.1
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS2(A)	14:22	3.4	Middle	2	1	24.92	7.90	32.29	92.40	6.6	3.8	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS2(A)	14:23	3.4	Middle	2	2	24.94	7.89	32.29	91.90	6.5	3.5	1.3
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS2(A)	14:22	5.7	Bottom	3	1	24.93	7.90	32.41	92.90	6.6	4.1	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS2(A)	14:22	5.7	Bottom	3	2	24.94	7.89	32.37	92.60	6.6	4.2	1.1
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS(Mf)5	16:08	1.0	Surface	1	1	25.36	7.88	32.62	91.60	6.6	3.2	1.4
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS(Mf)5	16:09	1.0	Surface	1	2	25.35	7.88	32.62	92.70	6.7	3.2	1.6
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS(Mf)5	16:08	6.5	Middle	2	1	24.93	7.83	33.43	89.40	6.4	3.5	2.4
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS(Mf)5	16:09	6.5	Middle	2	2	24.92	7.83	33.42	89.90	6.5	3.3	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS(Mf)5	16:08	12	Bottom	3	1	24.90	7.83	33.45	89.10	6.4	3.7	1.8
HKLR	HY/2011/03	2023-05-15	Mid-Flood	Fine	CS(Mf)5	16:09	12	Bottom	3	2	24.91	7.83	32.95	89.30	6.4	3.8	1.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:45	1.0	Surface	1	1	25.28	7.87	31.63	94.90	6.5	4.2	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	1.0	Surface	1	2	25.29	7.88	31.63	97.30	6.7	4.3	1.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	4.3	Middle	2	1	25.03	7.82	32.34	90.40	6.2	4.5	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	4.3	Middle	2	2	25.03	7.82	32.32	91.20	6.3	4.4	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	7.5	Bottom	3	1	24.97	7.81	32.40	88.10	6.1	4.7	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	7.5	Bottom	3	2	25.03	7.82	32.48	87.90	6.1	4.7	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)6	12:32	1.0	Surface	1	1	25.31	7.88	31.77	99.90	6.9	4.6	1.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)6	12:32	1.0	Surface	1	2	25.30	7.88	31.77	98.20	6.7	4.5	1.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)6	12:32	2.2	Bottom	3	1	25.27	7.87	31.88	96.90	6.6	4.9	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)6	12:31	2.2	Bottom	3	2	25.26	7.86	31.90	97.40	6.7	4.8	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS7	12:23	1.0	Surface	1	1	25.32	7.88	31.79	96.10	6.6	4.2	1.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS7	12:23	1.0	Surface	1	2	25.34	7.88	31.80	97.80	6.7	4.2	1.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS7	12:23	2.3	Bottom	3	1	25.27	7.86	31.95	95.60	6.6	4.5	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS7	12:23	2.3	Bottom	3	2	25.25	7.86	32.03	94.40	6.5	4.4	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS8(N)	11:52	1.0	Surface	1	1	25.29	7.88	31.69	98.10	6.8	4.8	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS8(N)	11:51	1.0	Surface	1	2	25.29	7.88	31.73	98.00	6.7	4.8	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS8(N)	11:51	3.0	Bottom	3	1	25.21	7.85	32.00	95.90	6.6	5.0	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS8(N)	11:51	3.0	Bottom	3	2	25.22	7.86	32.01	97.00	6.7	5.2	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)9	12:14	1.0	Surface	1	1	25.32	7.88	31.79	97.20	6.7	3.9	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)9	12:14	1.0	Surface	1	2	25.32	7.88	31.80	95.40	6.6	4.0	2.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)9	12:14	2.6	Bottom	3	1	25.22	7.85	32.03	93.50	6.4	4.4	1.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)9	12:14	2.6	Bottom	3	2	25.26	7.85	32.00	94.80	6.5	4.4	1.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:01	1.0	Surface	1	1	25.16	7.89	31.96	91.50	6.3	5.0	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:01	1.0	Surface	1	2	25.14	7.88	32.03	91.80	6.3	5.0	1.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:00	5.2	Middle	2	1	24.93	7.85	32.68	88.60	6.1	5.4	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:01	5.2	Middle	2	2	24.94	7.85	32.69	87.60	6.0	5.5	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:00	9.4	Bottom	3	1	24.95	7.85	32.66	86.70	5.9	5.8	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:01	9.4	Bottom	3	2	24.96	7.85	32.60	86.80	6.0	5.8	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR3(N)	12:55	1.0	Surface	1	1	25.30	7.87	31.62	96.80	6.7	4.0	1.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR3(N)	12:55	1.0	Surface	1	2	25.29	7.87	31.64	97.30	6.7	4.2	1.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR3(N)	12:54	2.3	Bottom	3	1	25.23	7.87	31.79	95.10	6.5	4.6	1.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR3(N)	12:55	2.3	Bottom	3	2	25.28	7.87	31.73	94.90	6.5	4.6	1.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR4(N3)	12:01	1.0	Surface	1	1	25.27	7.87	31.65	96.40	6.6	4.0	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR4(N3)	12:01	1.0	Surface	1	2	25.28	7.87	31.66	96.70	6.7	4.0	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR4(N3)	12:01	2.9	Bottom	3	1	25.18	7.83	32.09	94.10	6.5	4.3	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR4(N3)	12:00	2.9	Bottom	3	2	25.18	7.84	32.20	93.80	6.5	4.3	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:10	1.0	Surface	1	1	25.16	7.90	31.99	89.70	6.1	4.9	3.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:10	1.0	Surface	1	2	25.17	7.90	31.98	90.10	6.2	4.9	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:09	4.8	Middle	2	1	24.96	7.86	32.54	87.70	6.0	5.3	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:10	4.8	Middle	2	2	24.97	7.86	32.55	87.50	6.0	5.3	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:09	8.6	Bottom	3	1	24.94	7.85	32.71	86.50	5.9	5.8	1.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:10	8.6	Bottom	3	2	24.94	7.86	32.69	86.20	5.9	5.9	1.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:08	1.0	Surface	1	1	25.31	7.88	32.29	91.00	6.2	3.0	3.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:07	1.0	Surface	1	2	25.33	7.88	32.22	90.60	6.2	3.2	2.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:07	6.7	Middle	2	1	25.05	7.83	33.01	87.10	5.9	3.2	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:06	6.7	Middle	2	2	25.05	7.83	33.02	87.40	5.9	3.3	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:06	12.3	Bottom	3	1	25.06	7.83	33.02	87.20	5.9	3.8	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:07	12.3	Bottom	3	2	25.06	7.83	33.01	86.20	5.9	3.6	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:56	1.0	Surface	1	1	25.34	7.88	32.18	97.30	6.6	3.2	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:56	1.0	Surface	1	2	25.36	7.86	32.20	96.90	6.6	3.3	3.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:55	3.9	Middle	2	1	25.16	7.83	32.61	94.30	6.4	3.7	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:56	3.9	Middle	2	2	25.18	7.83	32.59	92.50	6.3	3.7	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:56	6.8	Bottom	3	1	25.13	7.83	32.88	89.60	6.1	4.1	1.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:55	6.8	Bottom	3	2	25.09	7.82	32.91	89.10	6.1	4.1	1.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:01	1.0	Surface	1	1	25.12	7.90	31.98	89.70	6.1	4.5	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:00	1.0	Surface	1	2	25.12	7.90	32.01	89.70	6.1	4.5	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:00	3.2	Middle	2	1	24.98	7.87	32.43	88.80	6.1	5.3	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:01	3.2	Middle	2	2	24.98	7.87	32.40	88.60	6.1	5.1	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:00	5.4	Bottom	3	1	24.93	7.87	32.66	87.50	6.0	5.4	1.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:01	5.4	Bottom	3	2	24.95	7.87	32.64	87.10	6.0	5.3	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:05	1.0	Surface	1	1	25.35	7.86	32.01	93.20	6.4	3.9	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:05	1.0	Surface	1	2	25.34	7.86	32.01	94.00	6.4	3.8	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:05	6.3	Middle	2	1	24.99	7.81	32.90	90.80	6.2	4.1	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:04	6.3	Middle	2	2	25.04	7.81	32.86	90.60	6.2	4.0	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:04	11.5	Bottom	3	1	25.00	7.80	33.46	88.80	6.1	4.3	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:05	11.5	Bottom	3	2	25.06	7.81	33.49	87.60	6.0	4.3	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	1.0	Surface	1	1	25.45	7.88	31.65	98.40	7.3	4.3	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:27	1.0	Surface	1	2	25.46	7.88	31.64	98.00	7.3	4.2	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	4.3	Middle	2	1	25.29	7.84	32.10	96.40	7.2	4.6	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	4.3	Middle	2	2	25.27	7.84	32.14	96.10	7.1	4.5	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	7.5	Bottom	3	1	25.25	7.84	32.18	96.30	7.2	4.6	3.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	7.5	Bottom	3	2	25.24	7.84	32.19	94.90	7.1	4.6	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)6	16:34	1.0	Surface	1	1	25.45	7.88	31.63	100.90	7.5	3.9	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)6	16:34	1.0	Surface	1	2	25.44	7.88	31.62	100.90	7.5	4.0	1.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)6	16:34	2.1	Bottom	3	1	25.43	7.87	31.69	97.90	7.3	4.3	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)6	16:34	2.1	Bottom	3	2	25.39	7.89	31.69	96.30	7.2	4.4	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS7	16:45	1.0	Surface	1	1	25.57	7.88	31.86	102.40	7.6	3.4	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS7	16:45	1.0	Surface	1	2	25.53	7.89	31.88	100.00	7.4	3.6	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS7	16:44	2.3	Bottom	3	1	25.51	7.89	31.92	97.30	7.2	3.7	1.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS7	16:45	2.3	Bottom	3	2	25.51	7.89	31.91	98.00	7.3	3.8	1.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS8(N)	17:17	1.0	Surface	1	1	25.54	7.88	31.81	97.50	7.2	4.2	1.7
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS8(N)	17:17	1.0	Surface	1	2	25.55	7.88	31.80	99.60	7.4	4.1	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS8(N)	17:16	2.9	Bottom	3	1	25.49	7.88	31.88	95.10	7.1	4.4	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS8(N)	17:17	2.9	Bottom	3	2	25.52	7.87	31.86	96.90	7.2	4.3	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)9	16:53	1.0	Surface	1	1	25.45	7.88	31.81	97.60	7.3	3.6	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)9	16:53	1.0	Surface	1	2	25.45	7.88	31.79	97.30	7.2	3.8	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)9	16:53	2.6	Bottom	3	1	25.44	7.88	31.86	97.00	7.2	3.9	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)9	16:52	2.6	Bottom	3	2	25.42	7.88	31.87	97.70	7.2	3.9	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS10(N)	17:19	1.0	Surface	1	1	25.43	7.90	31.25	93.00	6.3	5.1	1.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS10(N)	17:20	1.0	Surface	1	2	25.49	7.91	31.16	93.20	6.4	5.1	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS10(N)	17:19	5.3	Middle	2	1	25.16	7.85	32.18	91.10	6.2	5.6	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS10(N)	17:19	5.3	Middle	2	2	25.16	7.85	32.20	89.80	6.1	5.7	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS10(N)	17:19	9.6	Bottom	3	1	25.23	7.86	32.17	90.60	6.2	5.8	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS10(N)	17:19	9.6	Bottom	3	2	25.14	7.85	32.24	89.70	6.1	5.8	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR3(N)	16:13	1.0	Surface	1	1	25.51	7.90	31.60	99.70	7.4	4.2	1.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR3(N)	16:13	1.0	Surface	1	2	25.52	7.92	31.61	98.70	7.4	4.3	1.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR3(N)	16:13	2.2	Bottom	3	1	25.39	7.93	31.73	94.60	6.8	4.6	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR3(N)	16:13	2.2	Bottom	3	2	25.50	7.91	31.65	97.00	7.2	4.4	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR4(N3)	17:09	1.0	Surface	1	1	25.51	7.87	31.67	101.10	7.5	3.7	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR4(N3)	17:09	1.0	Surface	1	2	25.55	7.88	31.21	99.10	7.4	3.8	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR4(N3)	17:09	2.9	Bottom	3	1	25.52	7.86	31.86	96.50	7.1	4.1	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR4(N3)	17:09	2.9	Bottom	3	2	25.53	7.87	31.78	97.30	7.2	4.0	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR5(N)	17:11	1.0	Surface	1	1	25.50	7.90	31.24	93.60	6.4	5.9	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR5(N)	17:11	1.0	Surface	1	2	25.41	7.89	31.31	92.80	6.3	5.8	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR5(N)	17:11	4.7	Middle	2	1	25.20	7.85	32.00	89.90	6.1	6.4	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR5(N)	17:11	4.7	Middle	2	2	25.20	7.85	32.07	90.50	6.2	6.2	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR5(N)	17:11	8.3	Bottom	3	1	25.18	7.85	32.17	90.60	6.2	6.8	1.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR5(N)	17:10	8.3	Bottom	3	2	25.14	7.82	32.24	88.50	6.0	6.7	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10A(N)	18:08	1.0	Surface	1	1	25.53	7.93	32.09	96.90	6.6	3.2	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10A(N)	18:07	1.0	Surface	1	2	25.57	7.94	31.97	97.10	6.6	3.3	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10A(N)	18:07	6.7	Middle	2	1	25.24	7.88	32.82	92.80	6.3	3.4	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10A(N)	18:06	6.7	Middle	2	2	25.23	7.90	32.89	93.10	6.3	3.4	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10A(N)	18:06	12.3	Bottom	3	1	25.24	7.92	32.87	93.30	6.3	3.7	3.7
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10A(N)	18:07	12.3	Bottom	3	2	25.22	7.88	32.87	92.60	6.3	3.9	3.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10B(N2)	18:18	1.0	Surface	1	1	25.62	7.93	31.85	95.90	6.5	2.8	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10B(N2)	18:18	1.0	Surface	1	2	25.56	7.94	31.91	96.00	6.5	2.8	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10B(N2)	18:18	4	Middle	2	1	25.24	7.89	32.83	92.70	6.3	3.0	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10B(N2)	18:18	4	Middle	2	2	25.28	7.89	32.72	93.80	6.4	2.9	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10B(N2)	18:17	6.9	Bottom	3	1	25.22	7.89	32.96	92.30	6.3	3.6	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	SR10B(N2)	18:18	6.9	Bottom	3	2	25.24	7.88	32.88	92.50	6.3	3.7	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS2(A)	16:21	1.0	Surface	1	1	25.34	7.89	31.36	96.30	6.6	5.6	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS2(A)	16:22	1.0	Surface	1	2	25.32	7.88	31.40	95.10	6.5	5.7	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS2(A)	16:21	3.3	Middle	2	1	25.15	7.86	32.00	91.70	6.3	6.1	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS2(A)	16:22	3.3	Middle	2	2	25.17	7.85	31.95	92.30	6.3	5.9	3.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS2(A)	16:21	5.6	Bottom	3	1	25.13	7.87	32.20	91.20	6.2	6.5	4.0
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS2(A)	16:21	5.6	Bottom	3	2	25.18	7.85	32.04	91.60	6.3	6.7	3.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS(Mf)5	18:03	1.0	Surface	1	1	25.45	7.88	32.52	94.90	7.0	3.3	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS(Mf)5	18:03	1.0	Surface	1	2	25.44	7.87	32.53	95.90	7.1	3.3	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS(Mf)5	18:03	6.4	Middle	2	1	24.96	7.81	33.79	92.30	6.8	3.4	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS(Mf)5	18:02	6.4	Middle	2	2	24.96	7.82	33.81	92.60	6.9	3.5	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS(Mf)5	18:02	11.8	Bottom	3	1	24.95	7.82	33.90	90.30	6.7	3.7	3.5
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	CS(Mf)5	18:03	11.8	Bottom	3	2	25.01	7.82	33.54	90.80	6.7	3.8	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:45	1.0	Surface	1	1	25.28	7.87	31.63	94.90	6.5	4.2	3.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	1.0	Surface	1	2	25.29	7.88	31.63	97.30	6.7	4.3	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	4.3	Middle	2	1	25.03	7.82	32.34	90.40	6.2	4.5	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	4.3	Middle	2	2	25.03	7.82	32.32	91.20	6.3	4.4	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	7.5	Bottom	3	1	24.97	7.81	32.40	88.10	6.1	4.7	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS5	12:44	7.5	Bottom	3	2	25.03	7.82	32.48	87.90	6.1	4.7	2.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)6	12:32	1.0	Surface	1	1	25.31	7.88	31.77	99.90	6.9	4.6	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)6	12:32	1.0	Surface	1	2	25.30	7.88	31.77	98.20	6.7	4.5	2.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)6	12:32	2.2	Bottom	3	1	25.27	7.87	31.88	96.90	6.6	4.9	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)6	12:31	2.2	Bottom	3	2	25.26	7.86	31.90	97.40	6.7	4.8	3.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS7	12:23	1.0	Surface	1	1	25.32	7.88	31.79	96.10	6.6	4.2	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS7	12:23	1.0	Surface	1	2	25.34	7.88	31.80	97.80	6.7	4.2	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS7	12:23	2.3	Bottom	3	1	25.27	7.86	31.95	95.60	6.6	4.5	2.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS7	12:23	2.3	Bottom	3	2	25.25	7.86	32.03	94.40	6.5	4.4	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS8(N)	11:52	1.0	Surface	1	1	25.29	7.88	31.69	98.10	6.8	4.8	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS8(N)	11:51	1.0	Surface	1	2	25.29	7.88	31.73	98.00	6.7	4.8	3.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS8(N)	11:51	3.0	Bottom	3	1	25.21	7.85	32.00	95.90	6.6	5.0	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS8(N)	11:51	3.0	Bottom	3	2	25.22	7.86	32.01	97.00	6.7	5.2	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)9	12:14	1.0	Surface	1	1	25.32	7.88	31.79	97.20	6.7	3.9	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)9	12:14	1.0	Surface	1	2	25.32	7.88	31.80	95.40	6.6	4.0	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)9	12:14	2.6	Bottom	3	1	25.22	7.85	32.03	93.50	6.4	4.4	3.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS(Mf)9	12:14	2.6	Bottom	3	2	25.26	7.85	32.00	94.80	6.5	4.4	4.0
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:01	1.0	Surface	1	1	25.16	7.89	31.96	91.50	6.3	5.0	3.5
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:01	1.0	Surface	1	2	25.14	7.88	32.03	91.80	6.3	5.0	3.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:00	5.2	Middle	2	1	24.93	7.85	32.68	88.60	6.1	5.4	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:01	5.2	Middle	2	2	24.94	7.85	32.69	87.60	6.0	5.5	3.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:00	9.4	Bottom	3	1	24.95	7.85	32.66	86.70	5.9	5.8	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	IS10(N)	12:01	9.4	Bottom	3	2	24.96	7.85	32.60	86.80	6.0	5.8	2.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR3(N)	12:55	1.0	Surface	1	1	25.30	7.87	31.62	96.80	6.7	4.0	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR3(N)	12:55	1.0	Surface	1	2	25.29	7.87	31.64	97.30	6.7	4.2	3.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR3(N)	12:54	2.3	Bottom	3	1	25.23	7.87	31.79	95.10	6.5	4.6	3.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR3(N)	12:55	2.3	Bottom	3	2	25.28	7.87	31.73	94.90	6.5	4.6	3.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR4(N3)	12:01	1.0	Surface	1	1	25.27	7.87	31.65	96.40	6.6	4.0	3.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR4(N3)	12:01	1.0	Surface	1	2	25.28	7.87	31.66	96.70	6.7	4.0	3.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR4(N3)	12:01	2.9	Bottom	3	1	25.18	7.83	32.09	94.10	6.5	4.3	2.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR4(N3)	12:00	2.9	Bottom	3	2	25.18	7.84	32.20	93.80	6.5	4.3	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:10	1.0	Surface	1	1	25.16	7.90	31.99	89.70	6.1	4.9	3.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:10	1.0	Surface	1	2	25.17	7.90	31.98	90.10	6.2	4.9	3.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:09	4.8	Middle	2	1	24.96	7.86	32.54	87.70	6.0	5.3	3.0
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:10	4.8	Middle	2	2	24.97	7.86	32.55	87.50	6.0	5.3	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:09	8.6	Bottom	3	1	24.94	7.85	32.71	86.50	5.9	5.8	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR5(N)	12:10	8.6	Bottom	3	2	24.94	7.86	32.69	86.20	5.9	5.9	2.3
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:08	1.0	Surface	1	1	25.31	7.88	32.29	91.00	6.2	3.0	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:07	1.0	Surface	1	2	25.33	7.88	32.22	90.60	6.2	3.2	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:07	6.7	Middle	2	1	25.05	7.83	33.01	87.10	5.9	3.2	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:06	6.7	Middle	2	2	25.05	7.83	33.02	87.40	5.9	3.3	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:06	12.3	Bottom	3	1	25.06	7.83	33.02	87.20	5.9	3.8	3.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10A(N)	11:07	12.3	Bottom	3	2	25.06	7.83	33.01	86.20	5.9	3.6	3.8
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:56	1.0	Surface	1	1	25.34	7.88	32.18	97.30	6.6	3.2	3.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:56	1.0	Surface	1	2	25.36	7.86	32.20	96.90	6.6	3.3	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:55	3.9	Middle	2	1	25.16	7.83	32.61	94.30	6.4	3.7	2.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:56	3.9	Middle	2	2	25.18	7.83	32.59	92.50	6.3	3.7	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:56	6.8	Bottom	3	1	25.13	7.83	32.88	89.60	6.1	4.1	1.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	SR10B(N2)	10:55	6.8	Bottom	3	2	25.09	7.82	32.91	89.10	6.1	4.1	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:01	1.0	Surface	1	1	25.12	7.90	31.98	89.70	6.1	4.5	1.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:00	1.0	Surface	1	2	25.12	7.90	32.01	89.70	6.1	4.5	1.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:00	3.2	Middle	2	1	24.98	7.87	32.43	88.80	6.1	5.3	2.1
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:01	3.2	Middle	2	2	24.98	7.87	32.40	88.60	6.1	5.1	2.4
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:00	5.4	Bottom	3	1	24.93	7.87	32.66	87.50	6.0	5.4	2.9
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS2(A)	13:01	5.4	Bottom	3	2	24.95	7.87	32.64	87.10	6.0	5.3	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:05	1.0	Surface	1	1	25.35	7.86	32.01	93.20	6.4	3.9	4.2
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:05	1.0	Surface	1	2	25.34	7.86	32.01	94.00	6.4	3.8	4.6
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:05	6.3	Middle	2	1	24.99	7.81	32.90	90.80	6.2	4.1	4.0
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:04	6.3	Middle	2	2	25.04	7.81	32.86	90.60	6.2	4.0	3.7
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:04	11.5	Bottom	3	1	25.00	7.80	33.46	88.80	6.1	4.3	2.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-17	Mid-Ebb	Fine	CS(Mf)5	11:05	11.5	Bottom	3	2	25.06	7.81	33.49	87.60	6.0	4.3	3.3
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	1.0	Surface	1	1	25.45	7.88	31.65	98.40	7.3	4.3	2.8
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:27	1.0	Surface	1	2	25.46	7.88	31.64	98.00	7.3	4.2	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	4.3	Middle	2	1	25.29	7.84	32.10	96.40	7.2	4.6	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	4.3	Middle	2	2	25.27	7.84	32.14	96.10	7.1	4.5	3.3
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	7.5	Bottom	3	1	25.25	7.84	32.18	96.30	7.2	4.6	4.0
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS5	16:26	7.5	Bottom	3	2	25.24	7.84	32.19	94.90	7.1	4.6	3.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)6	16:34	1.0	Surface	1	1	25.45	7.88	31.63	100.90	7.5	3.9	2.9
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)6	16:34	1.0	Surface	1	2	25.44	7.88	31.62	100.90	7.5	4.0	3.1
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)6	16:34	2.1	Bottom	3	1	25.43	7.87	31.69	97.90	7.3	4.3	4.3
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS(Mf)6	16:34	2.1	Bottom	3	2	25.39	7.89	31.69	96.30	7.2	4.4	4.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS7	16:45	1.0	Surface	1	1	25.57	7.88	31.86	102.40	7.6	3.4	3.7
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS7	16:45	1.0	Surface	1	2	25.53	7.89	31.88	100.00	7.4	3.6	4.0
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS7	16:44	2.3	Bottom	3	1	25.51	7.89	31.92	97.30	7.2	3.7	4.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS7	16:45	2.3	Bottom	3	2	25.51	7.89	31.91	98.00	7.3	3.8	4.5
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS8(N)	17:17	1.0	Surface	1	1	25.54	7.88	31.81	97.50	7.2	4.2	3.5
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS8(N)	17:17	1.0	Surface	1	2	25.55	7.88	31.80	99.60	7.4	4.1	3.2
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS8(N)	17:16	2.9	Bottom	3	1	25.49	7.88	31.88	95.10	7.1	4.4	2.6
HKLR	HY/2011/03	2023-05-17	Mid-Flood	Fine	IS8(N)	17:17	2.9	Bottom	3	2	25.52	7.87	31.86	96.90	7.2	4.3	3.0
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS(Mf)9	0.7	1.0	Surface	1.0	1.0	25.5	7.9	31.8	97.6	7.3	3.6	2.7
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS(Mf)9	0.7	1.0	Surface	1.0	2.0	25.5	7.9	31.8	97.3	7.2	3.8	2.2
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS(Mf)9	0.7	2.6	Bottom	3.0	1.0	25.4	7.9	31.9	97.0	7.2	3.9	3.5
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS(Mf)9	0.7	2.6	Bottom	3.0	2.0	25.4	7.9	31.9	97.7	7.2	3.9	3.2
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS10(N)	0.7	1.0	Surface	1.0	1.0	25.4	7.9	31.3	93.0	6.3	5.1	2.7
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS10(N)	0.7	1.0	Surface	1.0	2.0	25.5	7.9	31.2	93.2	6.4	5.1	3.0
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS10(N)	0.7	5.3	Middle	2.0	1.0	25.2	7.9	32.2	91.1	6.2	5.6	3.5
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS10(N)	0.7	5.3	Middle	2.0	2.0	25.2	7.9	32.2	89.8	6.1	5.7	3.2
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS10(N)	0.7	9.6	Bottom	3.0	1.0	25.2	7.9	32.2	90.6	6.2	5.8	3.6
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	IS10(N)	0.7	9.6	Bottom	3.0	2.0	25.1	7.9	32.2	89.7	6.1	5.8	3.8
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR3(N)	0.7	1.0	Surface	1.0	1.0	25.5	7.9	31.6	99.7	7.4	4.2	2.4
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR3(N)	0.7	1.0	Surface	1.0	2.0	25.5	7.9	31.6	98.7	7.4	4.3	2.2
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR3(N)	0.7	2.2	Bottom	3.0	1.0	25.4	7.9	31.7	94.6	6.8	4.6	3.5
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR3(N)	0.7	2.2	Bottom	3.0	2.0	25.5	7.9	31.7	97.0	7.2	4.4	4.0
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR4(N3)	0.7	1.0	Surface	1.0	1.0	25.5	7.9	31.7	101.1	7.5	3.7	3.6
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR4(N3)	0.7	1.0	Surface	1.0	2.0	25.6	7.9	31.2	99.1	7.4	3.8	3.1
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR4(N3)	0.7	2.9	Bottom	3.0	1.0	25.5	7.9	31.9	96.5	7.1	4.1	4.6
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR4(N3)	0.7	2.9	Bottom	3.0	2.0	25.5	7.9	31.8	97.3	7.2	4.0	4.3
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR5(N)	0.7	1.0	Surface	1.0	1.0	25.5	7.9	31.2	93.6	6.4	5.9	2.5
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR5(N)	0.7	1.0	Surface	1.0	2.0	25.4	7.9	31.3	92.8	6.3	5.8	2.6
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR5(N)	0.7	4.7	Middle	2.0	1.0	25.2	7.9	32.0	89.9	6.1	6.4	3.1
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR5(N)	0.7	4.7	Middle	2.0	2.0	25.2	7.9	32.1	90.5	6.2	6.2	2.8
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR5(N)	0.7	8.3	Bottom	3.0	1.0	25.2	7.9	32.2	90.6	6.2	6.8	3.6
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR5(N)	0.7	8.3	Bottom	3.0	2.0	25.1	7.8	32.2	88.5	6.0	6.7	3.2
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10A(N)	0.8	1.0	Surface	1.0	1.0	25.5	7.9	32.1	96.9	6.6	3.2	3.0
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10A(N)	0.8	1.0	Surface	1.0	2.0	25.6	7.9	32.0	97.1	6.6	3.3	3.2
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10A(N)	0.8	6.7	Middle	2.0	1.0	25.2	7.9	32.8	92.8	6.3	3.4	2.8
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10A(N)	0.8	6.7	Middle	2.0	2.0	25.2	7.9	32.9	93.1	6.3	3.4	2.5
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10A(N)	0.8	12.3	Bottom	3.0	1.0	25.2	7.9	32.9	93.3	6.3	3.7	2.3
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10A(N)	0.8	12.3	Bottom	3.0	2.0	25.2	7.9	32.9	92.6	6.3	3.9	2.1
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10B(N2)	0.8	1.0	Surface	1.0	1.0	25.6	7.9	31.9	95.9	6.5	2.8	1.7
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10B(N2)	0.8	1.0	Surface	1.0	2.0	25.6	7.9	31.9	96.0	6.5	2.8	1.9
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10B(N2)	0.8	4.0	Middle	2.0	1.0	25.2	7.9	32.8	92.7	6.3	3.0	2.4
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10B(N2)	0.8	4.0	Middle	2.0	2.0	25.3	7.9	32.7	93.8	6.4	2.9	2.1
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10B(N2)	0.8	6.9	Bottom	3.0	1.0	25.2	7.9	33.0	92.3	6.3	3.6	2.7
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	SR10B(N2)	0.8	6.9	Bottom	3.0	2.0	25.2	7.9	32.9	92.5	6.3	3.7	2.4
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS2(A)	0.7	1.0	Surface	1.0	1.0	25.3	7.9	31.4	96.3	6.6	5.6	2.1
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS2(A)	0.7	1.0	Surface	1.0	2.0	25.3	7.9	31.4	95.1	6.5	5.7	2.3
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS2(A)	0.7	3.3	Middle	2.0	1.0	25.2	7.9	32.0	91.7	6.3	6.1	2.5
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS2(A)	0.7	3.3	Middle	2.0	2.0	25.2	7.9	32.0	92.3	6.3	5.9	2.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS2(A)	0.7	5.6	Bottom	3.0	1.0	25.1	7.9	32.2	91.2	6.2	6.5	2.7
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS2(A)	0.7	5.6	Bottom	3.0	2.0	25.2	7.9	32.0	91.6	6.3	6.7	2.8
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS(Mf)5	0.8	1.0	Surface	1.0	1.0	25.5	7.9	32.5	94.9	7.0	3.3	4.3
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS(Mf)5	0.8	1.0	Surface	1.0	2.0	25.4	7.9	32.5	95.9	7.1	3.3	3.8
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS(Mf)5	0.8	6.4	Middle	2.0	1.0	25.0	7.8	33.8	92.3	6.8	3.4	3.5
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS(Mf)5	0.8	6.4	Middle	2.0	2.0	25.0	7.8	33.8	92.6	6.9	3.5	3.1
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS(Mf)5	0.8	11.8	Bottom	3.0	1.0	25.0	7.8	33.9	90.3	6.7	3.7	2.9
HKLR	HY/2011/03	45063.0	Mid-Flood	Fine	CS(Mf)5	0.8	11.8	Bottom	3.0	2.0	25.0	7.8	33.5	90.8	6.7	3.8	2.5
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS5	0.5	1.0	Surface	1.0	1.0	25.3	7.9	32.1	97.2	7.0	3.8	3.2
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS5	0.5	1.0	Surface	1.0	2.0	25.3	7.9	32.1	97.4	7.0	3.7	3.0
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS5	0.5	4.3	Middle	2.0	1.0	25.2	7.9	32.5	95.9	6.9	4.1	2.5
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS5	0.5	4.3	Middle	2.0	2.0	25.1	7.9	32.6	95.9	6.9	4.1	2.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS5	0.5	7.5	Bottom	3.0	1.0	25.1	7.9	32.6	96.2	6.9	4.2	2.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS5	0.5	7.5	Bottom	3.0	2.0	25.1	7.9	32.6	95.9	6.9	4.1	2.2
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS(Mf)6	0.5	1.0	Surface	1.0	1.0	25.3	7.9	32.1	98.8	7.1	3.6	2.1
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS(Mf)6	0.5	1.0	Surface	1.0	2.0	25.3	7.9	32.1	98.8	7.1	3.6	2.5
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS(Mf)6	0.5	2.2	Bottom	3.0	1.0	25.3	7.9	32.2	96.9	7.0	3.9	2.8
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS(Mf)6	0.5	2.2	Bottom	3.0	2.0	25.3	7.9	32.2	96.7	6.9	3.9	3.2
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS7	0.5	1.0	Surface	1.0	1.0	25.4	7.9	32.2	99.3	7.1	3.2	2.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS7	0.5	1.0	Surface	1.0	2.0	25.4	7.9	32.2	98.3	7.1	3.4	2.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS7	0.5	2.3	Bottom	3.0	1.0	25.3	7.9	32.3	97.0	6.9	3.5	2.9
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS7	0.5	2.3	Bottom	3.0	2.0	25.3	7.9	32.3	97.1	7.0	3.5	3.0
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS8(N)	0.5	1.0	Surface	1.0	1.0	25.4	7.9	32.2	96.3	6.9	3.5	3.0
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS8(N)	0.5	1.0	Surface	1.0	2.0	25.4	7.9	32.2	97.6	7.0	3.5	3.3
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS8(N)	0.5	3.1	Bottom	3.0	1.0	25.3	7.9	32.3	96.2	6.9	3.7	2.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS8(N)	0.5	3.1	Bottom	3.0	2.0	25.3	7.9	32.3	94.8	6.8	3.7	2.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS(Mf)9	0.5	1.0	Surface	1.0	1.0	25.3	7.9	32.2	96.6	6.9	3.3	2.6
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS(Mf)9	0.5	1.0	Surface	1.0	2.0	25.3	7.9	32.2	96.4	6.9	3.4	3.0
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS(Mf)9	0.5	2.6	Bottom	3.0	1.0	25.3	7.9	32.3	96.3	6.9	3.6	3.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS(Mf)9	0.5	2.6	Bottom	3.0	2.0	25.3	7.9	32.3	96.6	6.9	3.6	4.0
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS10(N)	0.5	1.0	Surface	1.0	1.0	25.2	7.9	31.8	93.1	6.4	4.4	3.5
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS10(N)	0.5	1.0	Surface	1.0	2.0	25.3	7.9	31.7	93.3	6.4	4.3	3.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS10(N)	0.5	5.3	Middle	2.0	1.0	25.0	7.9	32.4	92.0	6.3	4.7	3.0
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS10(N)	0.5	5.3	Middle	2.0	2.0	25.0	7.9	32.4	91.3	6.3	4.8	3.3
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS10(N)	0.5	9.6	Bottom	3.0	1.0	25.1	7.9	32.4	91.6	6.3	4.9	2.6
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	IS10(N)	0.5	9.6	Bottom	3.0	2.0	25.0	7.9	32.4	91.3	6.3	4.9	2.2
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR3(N)	0.5	1.0	Surface	1.0	1.0	25.4	7.9	32.1	99.6	7.1	3.8	2.8
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR3(N)	0.5	1.0	Surface	1.0	2.0	25.4	7.9	32.1	99.6	7.1	3.7	3.2
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR3(N)	0.5	2.2	Bottom	3.0	1.0	25.4	7.9	32.1	98.4	7.0	4.0	3.6
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR3(N)	0.5	2.2	Bottom	3.0	2.0	25.3	7.9	32.2	97.8	6.9	4.0	3.8
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR4(N3)	0.5	1.0	Surface	1.0	1.0	25.4	7.9	32.1	98.1	7.0	3.3	3.8
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR4(N3)	0.5	1.0	Surface	1.0	2.0	25.4	7.9	31.9	97.0	6.9	3.3	3.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR4(N3)	0.5	2.9	Bottom	3.0	1.0	22.1	7.9	32.3	95.4	6.8	3.7	2.9
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR4(N3)	0.5	2.9	Bottom	3.0	2.0	25.4	7.9	32.3	96.1	6.9	3.7	2.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR5(N)	0.5	1.0	Surface	1.0	1.0	25.3	7.9	31.8	93.8	6.5	4.8	3.3
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR5(N)	0.5	1.0	Surface	1.0	2.0	25.2	7.9	31.8	93.4	6.4	4.7	3.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR5(N)	0.5	4.7	Middle	2.0	1.0	25.1	7.9	32.3	91.4	6.3	5.2	3.0
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR5(N)	0.5	4.7	Middle	2.0	2.0	25.1	7.9	32.3	91.8	6.3	5.0	2.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR5(N)	0.5	8.4	Bottom	3.0	1.0	25.1	7.9	32.4	91.9	6.3	5.4	2.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR5(N)	0.5	8.4	Bottom	3.0	2.0	25.0	7.9	32.4	90.8	6.3	5.4	2.3
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10A(N)	0.6	1.0	Surface	1.0	1.0	25.3	7.9	32.4	95.7	6.6	3.2	2.1
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10A(N)	0.6	1.0	Surface	1.0	2.0	25.3	7.9	32.3	95.5	6.5	3.2	2.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10A(N)	0.6	6.5	Middle	2.0	1.0	25.1	7.9	32.8	92.5	6.3	3.4	3.1
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10A(N)	0.6	6.5	Middle	2.0	2.0	25.1	7.9	32.9	93.1	6.4	3.4	2.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10A(N)	0.6	11.9	Bottom	3.0	1.0	25.1	7.9	32.8	93.1	6.4	3.6	3.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10A(N)	0.6	11.9	Bottom	3.0	2.0	25.1	7.9	32.8	92.5	6.3	3.7	3.8
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10B(N2)	0.6	1.0	Surface	1.0	1.0	25.3	7.9	32.3	94.6	6.5	3.1	3.6
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10B(N2)	0.6	1.0	Surface	1.0	2.0	25.3	7.9	32.3	94.7	6.5	3.0	3.1
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10B(N2)	0.6	4.3	Middle	2.0	1.0	25.1	7.9	32.8	92.4	6.3	3.2	2.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10B(N2)	0.6	4.3	Middle	2.0	2.0	25.1	7.9	32.7	93.1	6.4	3.2	2.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10B(N2)	0.6	7.6	Bottom	3.0	1.0	25.1	7.9	32.9	92.3	6.3	3.7	1.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	SR10B(N2)	0.6	7.6	Bottom	3.0	2.0	25.1	7.9	32.8	92.4	6.3	3.8	1.9
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS2(A)	0.5	1.0	Surface	1.0	1.0	25.1	7.9	31.9	96.2	6.6	4.5	1.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS2(A)	0.5	1.0	Surface	1.0	2.0	25.1	7.9	31.9	95.3	6.6	4.5	1.9
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS2(A)	0.5	3.3	Middle	2.0	1.0	25.0	7.9	32.3	93.4	6.5	4.9	2.1
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS2(A)	0.5	3.3	Middle	2.0	2.0	25.0	7.9	32.3	93.5	6.5	4.7	2.4
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS2(A)	0.5	5.5	Bottom	3.0	1.0	25.0	7.9	32.3	93.2	6.4	5.3	2.9
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS2(A)	0.5	5.5	Bottom	3.0	2.0	25.0	7.9	32.4	93.1	6.4	5.2	2.6
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS(Mf)5	0.6	1.0	Surface	1.0	1.0	25.3	7.9	32.5	93.8	6.7	3.3	4.2
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS(Mf)5	0.6	1.0	Surface	1.0	2.0	25.3	7.9	32.5	94.4	6.7	3.2	4.6
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS(Mf)5	0.6	6.4	Middle	2.0	1.0	24.9	7.8	33.4	91.4	6.5	3.4	4.0
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS(Mf)5	0.6	6.4	Middle	2.0	2.0	24.9	7.8	33.4	92.2	6.6	3.4	3.7
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS(Mf)5	0.6	11.8	Bottom	3.0	1.0	24.9	7.8	32.9	90.7	6.4	3.7	2.9
HKLR	HY/2011/03	45065.0	Mid-Ebb	Fine	CS(Mf)5	0.6	11.8	Bottom	3.0	2.0	24.9	7.8	33.5	90.4	6.4	3.6	3.3
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS5	0.3	1.0	Surface	1.0	1.0	25.1	7.9	32.1	93.1	6.4	3.8	2.8
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS5	0.3	1.0	Surface	1.0	2.0	25.2	7.9	32.1	95.0	6.5	3.8	2.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS5	0.3	4.3	Middle	2.0	1.0	24.9	7.8	32.7	90.8	6.2	4.0	3.1
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS5	0.3	4.3	Middle	2.0	2.0	24.9	7.8	32.7	91.0	6.2	3.9	3.3
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS5	0.3	7.5	Bottom	3.0	1.0	24.8	7.8	32.8	89.6	6.1	4.2	4.0
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS5	0.3	7.5	Bottom	3.0	2.0	24.9	7.8	32.8	89.6	6.1	4.3	3.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS(Mf)6	0.3	1.0	Surface	1.0	1.0	25.2	7.9	32.2	96.6	6.6	3.9	2.9
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS(Mf)6	0.3	1.0	Surface	1.0	2.0	25.2	7.9	32.2	95.9	6.6	3.8	3.1
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS(Mf)6	0.3	2.2	Bottom	3.0	1.0	25.2	7.9	32.3	95.1	6.5	4.1	4.3
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS(Mf)6	0.3	2.2	Bottom	3.0	2.0	25.1	7.9	32.3	95.4	6.5	4.0	4.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS7	0.3	1.0	Surface	1.0	1.0	25.2	7.9	32.2	94.7	6.5	3.6	3.7
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS7	0.3	1.0	Surface	1.0	2.0	25.2	7.9	32.2	95.7	6.6	3.6	4.0
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS7	0.3	2.3	Bottom	3.0	1.0	25.2	7.9	32.3	94.4	6.5	3.8	4.2
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS7	0.3	2.3	Bottom	3.0	2.0	25.2	7.9	32.3	93.8	6.4	3.8	4.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS8(N)	0.2	1.0	Surface	1.0	1.0	25.2	7.9	32.1	95.9	6.6	3.9	3.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS8(N)	0.2	1.0	Surface	1.0	2.0	25.2	7.9	32.1	96.3	6.6	3.9	3.2
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS8(N)	0.2	3.0	Bottom	3.0	1.0	25.1	7.9	32.4	95.1	6.5	4.1	2.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS8(N)	0.2	3.0	Bottom	3.0	2.0	25.1	7.9	32.4	94.9	6.5	4.2	3.0
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS(Mf)9	0.3	1.0	Surface	1.0	1.0	25.2	7.9	32.1	95.3	6.6	3.4	2.7
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS(Mf)9	0.3	1.0	Surface	1.0	2.0	25.2	7.9	32.2	94.2	6.5	3.5	2.2
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS(Mf)9	0.3	2.5	Bottom	3.0	1.0	25.2	7.9	32.3	93.8	6.4	3.7	3.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS(Mf)9	0.3	2.5	Bottom	3.0	2.0	25.1	7.9	32.4	92.9	6.4	3.7	3.2
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS10(N)	0.3	1.0	Surface	1.0	1.0	25.0	7.9	32.2	93.5	6.5	4.1	2.7
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS10(N)	0.3	1.0	Surface	1.0	2.0	25.0	7.9	32.2	93.2	6.4	4.1	3.0
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS10(N)	0.3	5.3	Middle	2.0	1.0	24.9	7.9	32.6	91.5	6.3	4.5	3.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS10(N)	0.3	5.3	Middle	2.0	2.0	24.9	7.9	32.6	90.7	6.3	4.5	3.2
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS10(N)	0.3	9.6	Bottom	3.0	1.0	24.9	7.9	32.6	90.3	6.2	4.8	3.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	IS10(N)	0.3	9.6	Bottom	3.0	2.0	24.9	7.9	32.6	90.9	6.3	4.9	3.8
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR3(N)	0.3	1.0	Surface	1.0	1.0	25.2	7.9	32.1	94.8	6.5	3.7	2.4
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR3(N)	0.3	1.0	Surface	1.0	2.0	25.2	7.9	32.1	95.0	6.5	3.8	2.2
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR3(N)	0.3	2.3	Bottom	3.0	1.0	25.2	7.9	32.2	93.7	6.4	4.0	3.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR3(N)	0.3	2.3	Bottom	3.0	2.0	25.1	7.9	32.3	93.5	6.4	4.0	4.0
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR4(N3)	0.2	1.0	Surface	1.0	1.0	25.2	7.9	32.1	94.9	6.5	3.5	3.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR4(N3)	0.2	1.0	Surface	1.0	2.0	25.2	7.9	32.1	94.8	6.5	3.5	3.1
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR4(N3)	0.2	3.0	Bottom	3.0	1.0	25.1	7.9	32.4	93.5	6.4	3.7	4.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR4(N3)	0.2	3.0	Bottom	3.0	2.0	25.1	7.9	32.5	93.3	6.4	3.7	4.3
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR5(N)	0.3	1.0	Surface	1.0	1.0	25.1	7.9	32.2	91.5	6.3	4.1	2.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR5(N)	0.3	1.0	Surface	1.0	2.0	25.1	7.9	32.2	91.7	6.3	4.1	2.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR5(N)	0.3	4.8	Middle	2.0	1.0	24.9	7.9	32.6	90.3	6.2	4.5	3.1
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR5(N)	0.3	4.8	Middle	2.0	2.0	24.9	7.9	32.6	90.0	6.2	4.5	2.8
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR5(N)	0.3	8.6	Bottom	3.0	1.0	24.9	7.9	32.6	89.6	6.2	5.0	3.6
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR5(N)	0.3	8.6	Bottom	3.0	2.0	24.9	7.9	32.7	89.9	6.2	4.9	3.2
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10A(N)	0.2	1.0	Surface	1.0	1.0	25.0	7.9	32.5	94.3	6.5	2.9	3.0
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10A(N)	0.2	1.0	Surface	1.0	2.0	25.2	7.9	32.4	92.7	6.4	3.0	3.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10A(N)	0.2	6.5	Middle	2.0	1.0	25.0	7.9	32.9	89.9	6.2	3.1	2.8
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10A(N)	0.2	6.5	Middle	2.0	2.0	25.0	7.9	32.9	90.6	6.2	3.2	2.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10A(N)	0.2	12.0	Bottom	3.0	1.0	25.0	7.9	32.9	89.5	6.1	3.6	2.3
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10A(N)	0.2	12.0	Bottom	3.0	2.0	25.0	7.9	32.9	90.4	6.2	3.7	2.1
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10B(N2)	0.2	1.0	Surface	1.0	1.0	25.2	7.9	32.4	97.6	6.7	3.0	1.7
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10B(N2)	0.2	1.0	Surface	1.0	2.0	25.2	7.9	32.4	97.0	6.7	3.1	1.9
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10B(N2)	0.2	4.2	Middle	2.0	1.0	25.1	7.9	32.6	95.4	6.5	3.4	2.4
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10B(N2)	0.2	4.2	Middle	2.0	2.0	25.1	7.9	32.6	93.6	6.4	3.3	2.1
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10B(N2)	0.2	7.4	Bottom	3.0	1.0	25.0	7.9	32.8	92.0	6.3	3.8	2.7
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	SR10B(N2)	0.2	7.4	Bottom	3.0	2.0	25.0	7.9	32.8	91.6	6.3	3.8	2.4
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS2(A)	0.3	1.0	Surface	1.0	1.0	25.0	7.9	32.2	92.2	6.4	4.1	2.1
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS2(A)	0.3	1.0	Surface	1.0	2.0	25.0	7.9	32.2	92.2	6.4	4.0	2.3
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS2(A)	0.3	3.2	Middle	2.0	1.0	24.9	7.9	32.5	91.3	6.3	4.5	2.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS2(A)	0.3	3.2	Middle	2.0	2.0	24.9	7.9	32.5	91.5	6.3	4.6	2.4
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS2(A)	0.3	5.4	Bottom	3.0	1.0	24.9	7.9	32.6	90.9	6.3	4.7	2.7
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS2(A)	0.3	5.4	Bottom	3.0	2.0	24.9	7.9	32.6	90.6	6.3	4.7	2.8
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS(Mf)5	0.2	1.0	Surface	1.0	1.0	25.2	7.9	32.2	94.5	6.4	3.2	4.3
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS(Mf)5	0.2	1.0	Surface	1.0	2.0	25.2	7.9	32.2	93.8	6.5	3.2	3.8
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS(Mf)5	0.2	6.3	Middle	2.0	1.0	24.8	7.9	33.0	91.2	6.2	3.5	3.5
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS(Mf)5	0.2	6.3	Middle	2.0	2.0	24.8	7.8	32.9	91.7	6.3	3.4	3.1
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS(Mf)5	0.2	11.6	Bottom	3.0	1.0	24.8	7.8	33.3	90.5	6.3	3.8	2.9
HKLR	HY/2011/03	45065.0	Mid-Flood	Fine	CS(Mf)5	0.2	11.6	Bottom	3.0	2.0	24.9	7.8	33.3	90.0	6.1	3.7	2.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS5	13:26	1.0	Surface	1	1	26.34	7.92	31.93	98.60	7.1	3.8	1.7
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS5	13:27	1.0	Surface	1	2	26.38	7.92	31.94	99.10	7.2	3.8	2.6
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS5	13:26	4.2	Middle	2	1	26.23	7.89	32.33	97.80	7.1	4.2	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS5	13:26	4.2	Middle	2	2	26.21	7.89	32.35	97.60	7.1	4.1	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS5	13:26	7.4	Bottom	3	1	26.21	7.89	32.36	98.00	7.1	4.2	3.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS5	13:26	7.4	Bottom	3	2	26.20	7.89	32.37	97.60	7.1	4.1	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS(Mf)6	13:36	1.0	Surface	1	1	26.38	7.92	31.91	100.50	7.3	3.8	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS(Mf)6	13:36	1.0	Surface	1	2	26.37	7.92	31.91	100.00	7.2	3.7	1.9
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS(Mf)6	13:36	2.2	Bottom	3	1	26.36	7.92	31.99	98.50	7.1	4.3	2.4
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS(Mf)6	13:36	2.2	Bottom	3	2	26.33	7.92	32.01	97.50	7.1	4.3	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS7	13:46	1.0	Surface	1	1	26.42	7.93	31.98	100.90	7.3	3.3	2.9
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS7	13:45	1.0	Surface	1	2	26.40	7.93	32.00	100.10	7.3	3.5	2.4
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS7	13:45	2.3	Bottom	3	1	26.37	7.93	32.10	98.90	7.2	3.7	2.1
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS7	13:45	2.3	Bottom	3	2	26.39	7.93	32.08	99.30	7.2	3.6	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS8(N)	14:19	1.0	Surface	1	1	26.40	7.90	31.96	97.90	7.1	3.7	2.4
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS8(N)	14:19	1.0	Surface	1	2	26.42	7.91	31.93	98.90	7.2	3.6	2.3
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS8(N)	14:19	3.0	Bottom	3	1	26.38	7.89	32.06	97.80	7.1	3.9	1.9
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS8(N)	14:19	3.0	Bottom	3	2	26.35	7.89	32.10	96.80	7.0	3.9	1.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS(Mf)9	13:56	1.0	Surface	1	1	26.39	7.92	31.97	99.30	7.2	3.5	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS(Mf)9	13:55	1.0	Surface	1	2	26.38	7.92	31.97	98.80	7.2	3.6	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS(Mf)9	13:56	2.5	Bottom	3	1	26.37	7.92	32.09	98.80	7.2	3.8	1.3
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS(Mf)9	13:55	2.5	Bottom	3	2	26.34	7.91	32.10	98.70	7.1	3.8	1.8
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS10(N)	14:17	1.0	Surface	1	1	26.43	7.90	31.29	93.80	6.5	4.1	1.0
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS10(N)	14:18	1.0	Surface	1	2	26.46	7.90	31.27	94.00	6.6	4.1	1.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS10(N)	14:18	5.3	Middle	2	1	26.25	7.88	31.93	92.80	6.5	4.3	2.9
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS10(N)	14:17	5.3	Middle	2	2	26.25	7.89	31.91	92.50	6.5	4.4	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS10(N)	14:18	9.5	Bottom	3	1	26.29	7.88	31.98	92.80	6.5	4.6	1.9
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	IS10(N)	14:17	9.5	Bottom	3	2	26.26	7.89	32.01	92.70	6.5	4.5	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR3(N)	13:15	1.0	Surface	1	1	26.39	7.93	31.92	99.90	7.2	3.9	3.1
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR3(N)	13:15	1.0	Surface	1	2	26.40	7.93	31.92	100.50	7.3	3.9	1.8
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR3(N)	13:15	2.3	Bottom	3	1	26.38	7.93	31.96	99.00	7.2	4.0	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR3(N)	13:15	2.3	Bottom	3	2	26.33	7.93	32.02	97.70	6.9	4.1	1.7
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR4(N3)	14:10	1.0	Surface	1	1	26.39	7.91	31.93	98.80	7.2	3.3	2.1
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR4(N3)	14:10	1.0	Surface	1	2	26.40	7.91	31.81	98.10	7.1	3.4	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR4(N3)	14:09	2.8	Bottom	3	1	24.77	7.89	32.06	96.30	7.0	3.7	2.8
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR4(N3)	14:10	2.8	Bottom	3	2	26.40	7.90	32.06	97.30	7.0	3.7	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR5(N)	14:08	1.0	Surface	1	1	26.43	7.90	31.31	94.00	6.6	4.3	1.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR5(N)	14:07	1.0	Surface	1	2	26.37	7.91	31.35	93.50	6.5	4.2	1.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR5(N)	14:08	4.7	Middle	2	1	26.26	7.89	31.84	92.50	6.5	4.4	1.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR5(N)	14:07	4.7	Middle	2	2	26.26	7.89	31.84	92.00	6.4	4.5	1.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR5(N)	14:08	8.4	Bottom	3	1	26.27	7.88	32.03	92.60	6.5	4.9	2.6
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR5(N)	14:07	8.4	Bottom	3	2	26.26	7.89	32.05	91.80	6.4	4.9	3.0
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10A(N)	15:07	1.0	Surface	1	1	26.36	7.91	32.15	94.20	6.5	3.0	1.9
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10A(N)	15:07	1.0	Surface	1	2	26.38	7.92	32.12	94.00	6.5	3.0	2.3
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10A(N)	15:06	6.6	Middle	2	1	26.24	7.91	32.66	92.10	6.4	3.4	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10A(N)	15:07	6.6	Middle	2	2	26.25	7.89	32.61	91.70	6.4	3.4	3.3
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10A(N)	15:06	12.1	Bottom	3	1	26.25	7.92	32.66	92.20	6.4	3.6	3.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10A(N)	15:07	12.1	Bottom	3	2	26.25	7.89	32.64	91.80	6.4	3.6	2.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10B(N2)	15:17	1.0	Surface	1	1	26.38	7.91	32.15	93.30	6.5	3.0	3.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10B(N2)	15:17	1.0	Surface	1	2	26.39	7.91	32.11	93.30	6.5	2.9	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10B(N2)	15:17	4.0	Middle	2	1	26.27	7.89	32.52	91.80	6.4	3.3	2.7
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10B(N2)	15:17	4.0	Middle	2	2	26.28	7.89	32.47	92.30	6.4	3.3	2.9
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10B(N2)	15:16	6.9	Bottom	3	1	26.26	7.89	32.61	91.90	6.4	3.7	1.7
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	SR10B(N2)	15:17	6.9	Bottom	3	2	26.28	7.89	32.57	92.10	6.4	3.7	2.6
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS2(A)	13:18	1.0	Surface	1	1	26.29	7.90	31.52	95.80	6.7	4.2	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS2(A)	13:19	1.0	Surface	1	2	26.32	7.90	31.46	95.50	6.7	4.2	2.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS2(A)	13:18	3.3	Middle	2	1	26.21	7.90	31.95	93.60	6.5	4.5	2.4
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS2(A)	13:19	3.3	Middle	2	2	26.22	7.89	31.93	93.90	6.6	4.4	1.4
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS2(A)	13:18	5.6	Bottom	3	1	26.21	7.90	32.16	92.70	6.5	4.7	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS2(A)	13:19	5.6	Bottom	3	2	26.23	7.89	32.12	93.20	6.5	4.8	2.1
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS(Mf)5	14:59	1.0	Surface	1	1	26.36	7.92	32.22	93.30	6.7	3.2	2.3
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS(Mf)5	14:59	1.0	Surface	1	2	26.36	7.92	32.22	94.00	6.8	3.1	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS(Mf)5	14:59	6.4	Middle	2	1	25.92	7.85	33.04	91.40	6.6	3.5	1.5
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS(Mf)5	14:59	6.4	Middle	2	2	25.92	7.85	33.05	91.70	6.6	3.4	1.8
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS(Mf)5	14:59	11.7	Bottom	3	1	25.95	7.86	32.44	90.70	6.5	3.6	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Ebb	Fine	CS(Mf)5	14:58	11.7	Bottom	3	2	25.91	7.85	33.06	90.60	6.5	3.6	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS5	7:34	1.0	Surface	1	1	26.21	7.93	31.93	93.80	6.6	3.8	2.1
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS5	7:33	1.0	Surface	1	2	26.24	7.93	31.93	95.40	6.7	3.7	1.8
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS5	7:33	4.3	Middle	2	1	25.96	7.87	32.46	91.50	6.4	3.9	1.3
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS5	7:33	4.3	Middle	2	2	25.96	7.87	32.45	91.80	6.4	3.9	1.9
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS5	7:33	7.5	Bottom	3	1	25.89	7.86	32.55	90.30	6.3	4.1	2.1
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS5	7:33	7.5	Bottom	3	2	25.95	7.87	32.55	90.20	6.3	4.2	2.3
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS(Mf)6	7:24	1.0	Surface	1	1	26.28	7.94	31.95	98.10	6.8	3.8	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS(Mf)6	7:23	1.0	Surface	1	2	26.27	7.94	31.97	97.40	6.8	3.7	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS(Mf)6	7:23	2.2	Bottom	3	1	26.22	7.92	32.10	97.10	6.8	3.9	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS(Mf)6	7:23	2.2	Bottom	3	2	26.24	7.93	32.06	96.90	6.7	4.0	2.1
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS7	7:13	1.0	Surface	1	1	26.30	7.93	31.95	97.20	6.8	3.5	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS7	7:13	1.0	Surface	1	2	26.28	7.93	31.98	96.40	6.7	3.5	1.9
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS7	7:13	2.3	Bottom	3	1	26.25	7.92	32.08	96.20	6.7	3.8	2.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS7	7:13	2.3	Bottom	3	2	26.23	7.92	32.11	95.80	6.7	3.8	2.7
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS8(N)	6:38	1.0	Surface	1	1	26.24	7.92	31.93	97.10	6.8	3.7	2.5
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS8(N)	6:37	1.0	Surface	1	2	26.27	7.92	31.93	96.80	6.8	3.7	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS8(N)	6:37	3.0	Bottom	3	1	26.19	7.90	32.18	95.90	6.7	3.9	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS8(N)	6:36	3.0	Bottom	3	2	26.16	7.90	32.21	95.60	6.7	4.0	1.7
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS(Mf)9	7:03	1.0	Surface	1	1	26.30	7.93	31.93	96.90	6.8	3.4	1.4
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS(Mf)9	7:03	1.0	Surface	1	2	26.29	7.93	31.96	96.10	6.7	3.5	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS(Mf)9	7:03	2.5	Bottom	3	1	26.25	7.91	32.11	95.50	6.6	3.9	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS(Mf)9	7:03	2.5	Bottom	3	2	26.16	7.90	32.13	94.70	6.6	3.8	2.3
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS10(N)	6:51	1.0	Surface	1	1	26.23	7.90	31.75	93.20	6.5	3.8	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS10(N)	6:52	1.0	Surface	1	2	26.24	7.90	31.74	93.10	6.5	3.8	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS10(N)	6:51	5.4	Middle	2	1	26.18	7.89	32.17	91.30	6.4	4.2	1.5
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS10(N)	6:51	5.4	Middle	2	2	26.18	7.89	32.17	91.90	6.4	4.2	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS10(N)	6:51	9.8	Bottom	3	1	26.19	7.89	32.15	91.50	6.4	4.5	2.7
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	IS10(N)	6:50	9.8	Bottom	3	2	26.19	7.89	32.19	91.80	6.4	4.6	3.4
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR3(N)	7:45	1.0	Surface	1	1	26.26	7.93	31.91	95.90	6.7	3.6	3.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR3(N)	7:45	1.0	Surface	1	2	26.25	7.93	31.94	95.30	6.6	3.8	2.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR3(N)	7:45	2.3	Bottom	3	1	26.23	7.92	32.03	94.50	6.6	4.0	3.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR3(N)	7:45	2.3	Bottom	3	2	26.18	7.92	32.09	93.70	6.5	4.1	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR4(N3)	6:46	1.0	Surface	1	1	26.23	7.92	31.91	96.20	6.7	3.3	3.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR4(N3)	6:47	1.0	Surface	1	2	26.26	7.92	31.92	96.00	6.7	3.3	2.5
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR4(N3)	6:47	2.9	Bottom	3	1	26.17	7.89	32.22	95.10	6.6	3.6	2.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR4(N3)	6:46	2.9	Bottom	3	2	26.15	7.90	32.28	95.30	6.6	3.6	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR5(N)	7:01	1.0	Surface	1	1	26.24	7.90	31.76	92.00	6.4	3.8	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR5(N)	7:00	1.0	Surface	1	2	26.24	7.90	31.76	92.20	6.4	3.8	1.9
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR5(N)	7:00	4.8	Middle	2	1	26.20	7.88	32.12	90.90	6.3	4.0	1.9
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR5(N)	7:00	4.8	Middle	2	2	26.20	7.88	32.12	91.20	6.4	4.1	2.4
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR5(N)	7:00	8.6	Bottom	3	1	26.19	7.88	32.21	91.30	6.4	4.5	3.4
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR5(N)	7:00	8.6	Bottom	3	2	26.20	7.88	32.19	91.00	6.3	4.6	3.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10A(N)	6:03	1.0	Surface	1	1	26.24	7.88	32.06	92.80	6.5	2.8	1.4
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10A(N)	6:02	1.0	Surface	1	2	26.30	7.88	32.04	92.20	6.4	2.9	1.4
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10A(N)	6:02	6.5	Middle	2	1	26.21	7.86	32.41	90.70	6.3	3.0	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10A(N)	6:03	6.5	Middle	2	2	26.21	7.86	32.40	90.20	6.3	3.0	2.3
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10A(N)	6:03	12	Bottom	3	1	26.22	7.86	32.49	90.20	6.3	3.5	2.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10A(N)	6:02	12	Bottom	3	2	26.23	7.86	32.47	90.80	6.3	3.5	2.8
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10B(N2)	5:53	1.0	Surface	1	1	26.30	7.88	32.03	96.50	6.7	2.8	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10B(N2)	5:52	1.0	Surface	1	2	26.31	7.87	32.01	96.30	6.7	2.9	1.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10B(N2)	5:52	3.9	Middle	2	1	26.25	7.86	32.29	94.40	6.6	3.2	2.2
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10B(N2)	5:53	3.9	Middle	2	2	26.25	7.86	32.26	92.80	6.5	3.1	2.1
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10B(N2)	5:52	6.8	Bottom	3	1	26.22	7.86	32.46	91.80	6.4	3.5	2.8
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	SR10B(N2)	5:53	6.8	Bottom	3	2	26.25	7.86	32.44	92.00	6.4	3.5	2.8
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS2(A)	7:47	1.0	Surface	1	1	26.20	7.91	31.76	92.90	6.5	4.0	3.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS2(A)	7:46	1.0	Surface	1	2	26.20	7.92	31.78	92.70	6.5	4.0	3.0
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS2(A)	7:47	3.3	Middle	2	1	26.16	7.90	32.06	92.10	6.4	4.3	3.2
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS2(A)	7:46	3.3	Middle	2	2	26.17	7.91	32.06	91.80	6.4	4.3	2.5
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS2(A)	7:47	5.6	Bottom	3	1	26.16	7.90	32.20	91.00	6.4	4.6	2.8
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS2(A)	7:46	5.6	Bottom	3	2	26.16	7.91	32.20	91.10	6.4	4.6	2.7
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS(Mf)5	5:56	1.0	Surface	1	1	26.24	7.92	32.00	95.90	6.6	3.4	3.4
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS(Mf)5	5:55	1.0	Surface	1	2	26.22	7.90	32.02	95.10	6.6	3.5	2.8
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS(Mf)5	5:56	6.3	Middle	2	1	25.93	7.88	32.63	92.80	6.5	3.7	2.8
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS(Mf)5	5:55	6.3	Middle	2	2	25.95	7.87	32.62	93.10	6.5	3.7	2.6
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS(Mf)5	5:55	11.6	Bottom	3	1	25.95	7.86	32.76	91.80	6.5	4.0	2.1
HKLR	HY/2011/03	2023-05-22	Mid-Flood	Fine	CS(Mf)5	5:56	11.6	Bottom	3	2	25.95	7.87	32.81	91.40	6.4	3.9	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS5	14:33	1.0	Surface	1	1	26.42	7.91	31.58	93.40	6.6	3.5	2.8
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS5	14:34	1.0	Surface	1	2	26.45	7.90	31.61	94.00	6.7	3.5	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS5	14:33	4.3	Middle	2	1	26.30	7.87	31.97	92.70	6.6	3.9	2.4
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS5	14:33	4.3	Middle	2	2	26.28	7.87	32.00	92.70	6.6	3.9	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS5	14:33	7.5	Bottom	3	1	26.30	7.87	31.99	93.10	6.6	4.0	2.1
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS5	14:33	7.5	Bottom	3	2	26.28	7.87	32.00	93.40	6.6	3.9	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS(Mf)6	14:43	1.0	Surface	1	1	26.47	7.91	31.56	94.70	6.7	3.5	4.0
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS(Mf)6	14:43	1.0	Surface	1	2	26.44	7.91	31.58	94.40	6.7	3.5	3.8
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS(Mf)6	14:43	2.2	Bottom	3	1	26.45	7.91	31.65	93.30	6.6	3.9	3.1
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS(Mf)6	14:43	2.2	Bottom	3	2	26.41	7.91	31.70	93.40	6.6	3.9	2.7
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS7	14:54	1.0	Surface	1	1	26.49	7.92	31.59	94.60	6.7	3.1	2.8
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS7	14:54	1.0	Surface	1	2	26.48	7.91	31.61	94.40	6.7	3.3	2.5
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS7	14:53	2.3	Bottom	3	1	26.45	7.91	31.73	93.90	6.6	3.5	2.1
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS7	14:54	2.3	Bottom	3	2	26.46	7.91	31.70	93.80	6.6	3.4	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS8(N)	15:27	1.0	Surface	1	1	26.47	7.89	31.62	92.60	6.6	3.3	1.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS8(N)	15:27	1.0	Surface	1	2	26.49	7.91	31.57	93.30	6.6	3.2	1.8
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS8(N)	15:27	3.1	Bottom	3	1	26.43	7.88	31.74	92.70	6.6	3.5	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS8(N)	15:27	3.1	Bottom	3	2	26.41	7.88	31.78	91.80	6.5	3.5	2.0
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS(Mf)9	15:04	1.0	Surface	1	1	26.49	7.91	31.58	93.60	6.6	3.2	1.7
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS(Mf)9	15:04	1.0	Surface	1	2	26.46	7.91	31.59	93.30	6.6	3.3	1.4
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS(Mf)9	15:04	2.5	Bottom	3	1	26.45	7.91	31.72	93.30	6.6	3.5	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS(Mf)9	15:04	2.5	Bottom	3	2	26.42	7.89	31.74	93.20	6.6	3.5	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS10(N)	15:32	1.0	Surface	1	1	26.40	7.90	31.14	89.80	6.2	3.9	2.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS10(N)	15:33	1.0	Surface	1	2	26.42	7.90	31.12	89.90	6.3	3.8	2.0
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS10(N)	15:32	5.3	Middle	2	1	26.26	7.89	31.58	88.90	6.2	4.1	1.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS10(N)	15:33	5.3	Middle	2	2	26.27	7.88	31.58	89.10	6.2	4.1	1.7
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS10(N)	15:33	9.5	Bottom	3	1	26.30	7.88	31.60	89.00	6.2	4.3	1.8
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	IS10(N)	15:32	9.5	Bottom	3	2	26.27	7.89	31.65	89.10	6.2	4.2	1.9
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR3(N)	14:22	1.0	Surface	1	1	26.47	7.93	31.56	96.20	6.8	3.6	2.1
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR3(N)	14:23	1.0	Surface	1	2	26.49	7.93	31.56	96.00	6.8	3.6	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR3(N)	14:22	2.2	Bottom	3	1	26.47	7.92	31.60	95.40	6.7	3.8	1.4
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR3(N)	14:22	2.2	Bottom	3	2	26.42	7.92	31.66	95.30	6.7	3.8	1.7
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR4(N3)	15:19	1.0	Surface	1	1	26.47	7.91	31.58	93.00	6.6	3.1	2.4
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR4(N3)	15:18	1.0	Surface	1	2	26.47	7.90	31.52	92.60	6.5	3.1	2.1
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR4(N3)	15:18	2.8	Bottom	3	1	25.64	7.88	31.71	91.50	6.5	3.5	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR4(N3)	15:19	2.8	Bottom	3	2	26.47	7.89	31.72	92.20	6.5	3.5	3.0
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR5(N)	15:23	1.0	Surface	1	1	26.40	7.90	31.15	90.20	6.3	4.0	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR5(N)	15:22	1.0	Surface	1	2	26.36	7.91	31.18	90.00	6.3	3.9	2.1
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR5(N)	15:22	4.8	Middle	2	1	26.27	7.89	31.53	89.10	6.2	4.1	3.0
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR5(N)	15:22	4.8	Middle	2	2	26.27	7.89	31.53	88.70	6.2	4.2	2.7
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR5(N)	15:22	8.5	Bottom	3	1	26.27	7.89	31.67	88.80	6.2	4.5	3.3
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR5(N)	15:22	8.5	Bottom	3	2	26.27	7.89	31.66	89.20	6.2	4.5	3.0
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10A(N)	16:24	1.0	Surface	1	1	26.35	7.90	31.73	90.50	6.3	3.1	2.4
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10A(N)	16:23	1.0	Surface	1	2	26.37	7.91	31.71	90.20	6.3	3.1	2.8
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10A(N)	16:23	6.4	Middle	2	1	26.26	7.90	32.07	88.90	6.2	3.4	4.0
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10A(N)	16:24	6.4	Middle	2	2	26.26	7.89	32.04	88.20	6.1	3.4	3.7
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10A(N)	16:23	11.8	Bottom	3	1	26.27	7.91	32.07	88.80	6.2	3.6	2.3
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10A(N)	16:23	11.8	Bottom	3	2	26.27	7.89	32.05	88.40	6.1	3.6	2.7
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10B(N2)	16:34	1.0	Surface	1	1	26.37	7.90	31.74	89.50	6.2	3.2	3.1
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10B(N2)	16:33	1.0	Surface	1	2	26.37	7.90	31.72	89.60	6.2	3.1	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10B(N2)	16:33	4.3	Middle	2	1	26.28	7.89	31.97	88.20	6.1	3.4	3.3
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10B(N2)	16:33	4.3	Middle	2	2	26.29	7.89	31.94	88.70	6.1	3.4	3.1
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10B(N2)	16:33	7.6	Bottom	3	1	26.27	7.89	32.03	88.40	6.1	3.8	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	SR10B(N2)	16:33	7.6	Bottom	3	2	26.29	7.89	32.00	88.50	6.1	3.8	2.5
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS2(A)	14:31	1.0	Surface	1	1	26.28	7.90	31.29	92.10	6.4	3.8	2.9
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS2(A)	14:32	1.0	Surface	1	2	26.29	7.90	31.25	91.60	6.4	3.7	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS2(A)	14:31	3.3	Middle	2	1	26.21	7.90	31.59	90.50	6.3	4.1	2.5
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS2(A)	14:32	3.3	Middle	2	2	26.23	7.89	31.58	90.50	6.3	4.0	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS2(A)	14:32	5.5	Bottom	3	1	26.22	7.89	31.71	90.20	6.3	4.4	1.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS2(A)	14:31	5.5	Bottom	3	2	26.21	7.90	31.73	90.10	6.3	4.3	1.8
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS(Mf)5	16:08	1.0	Surface	1	1	26.43	7.92	31.72	89.30	6.3	3.3	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS(Mf)5	16:08	1.0	Surface	1	2	26.45	7.92	31.72	89.70	6.3	3.1	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS(Mf)5	16:08	6.4	Middle	2	1	26.04	7.85	32.38	87.30	6.1	3.4	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS(Mf)5	16:07	6.4	Middle	2	2	26.03	7.85	32.39	88.00	6.2	3.4	2.4
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS(Mf)5	16:08	11.8	Bottom	3	1	26.07	7.86	31.71	87.00	6.1	3.6	3.2
HKLR	HY/2011/03	2023-05-24	Mid-Ebb	Fine	CS(Mf)5	16:07	11.8	Bottom	3	2	26.01	7.85	32.40	86.90	6.1	3.6	2.8
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS5	8:50	1.0	Surface	1	1	26.29	7.92	31.60	88.80	6.2	3.6	1.8
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS5	8:50	1.0	Surface	1	2	26.31	7.92	31.62	90.30	6.3	3.5	1.6
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS5	8:49	4.2	Middle	2	1	26.02	7.87	32.06	87.60	6.0	3.7	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS5	8:50	4.2	Middle	2	2	26.03	7.86	32.05	87.60	6.0	3.7	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS5	8:50	7.4	Bottom	3	1	25.98	7.85	32.15	87.00	5.9	3.9	3.0
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS5	8:49	7.4	Bottom	3	2	25.99	7.86	32.13	87.10	5.9	4.0	3.3
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS(Mf)6	8:41	1.0	Surface	1	1	26.36	7.92	31.58	91.90	6.4	3.5	1.7
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS(Mf)6	8:40	1.0	Surface	1	2	26.34	7.92	31.62	91.60	6.3	3.4	1.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS(Mf)6	8:41	2.2	Bottom	3	1	26.33	7.91	31.69	91.20	6.3	3.6	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS(Mf)6	8:40	2.2	Bottom	3	2	26.29	7.90	31.76	91.40	6.3	3.5	2.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS7	8:30	1.0	Surface	1	1	26.38	7.92	31.61	91.00	6.3	3.3	3.0
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS7	8:31	1.0	Surface	1	2	26.39	7.92	31.57	91.60	6.3	3.3	2.7
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS7	8:31	2.3	Bottom	3	1	26.35	7.91	31.69	90.90	6.3	3.5	2.3
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS7	8:30	2.3	Bottom	3	2	26.32	7.91	31.71	90.70	6.3	3.5	2.1
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS8(N)	7:52	1.0	Surface	1	1	26.34	7.91	31.56	91.50	6.4	3.3	3.4
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS8(N)	7:52	1.0	Surface	1	2	26.36	7.91	31.56	91.80	6.4	3.4	2.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS8(N)	7:52	3.0	Bottom	3	1	26.30	7.89	31.79	91.30	6.3	3.5	4.4
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS8(N)	7:51	3.0	Bottom	3	2	26.21	7.88	31.85	90.40	6.2	3.6	3.9
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS(Mf)9	8:21	1.0	Surface	1	1	26.38	7.92	31.55	91.30	6.3	3.2	2.3
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS(Mf)9	8:20	1.0	Surface	1	2	26.36	7.92	31.59	90.80	6.3	3.3	2.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS(Mf)9	8:21	2.4	Bottom	3	1	26.34	7.90	31.71	90.40	6.2	3.5	3.1
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS(Mf)9	8:20	2.4	Bottom	3	2	26.20	7.89	31.76	89.70	6.2	3.4	2.7
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS10(N)	8:19	1.0	Surface	1	1	26.25	7.90	31.41	90.40	6.3	3.5	3.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS10(N)	8:20	1.0	Surface	1	2	26.26	7.90	31.40	90.20	6.3	3.5	3.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS10(N)	8:20	5.4	Middle	2	1	26.22	7.90	31.71	88.80	6.2	3.9	2.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS10(N)	8:19	5.4	Middle	2	2	26.22	7.90	31.71	89.40	6.2	3.9	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS10(N)	8:19	9.7	Bottom	3	1	26.23	7.90	31.71	88.90	6.2	4.2	3.0
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	IS10(N)	8:19	9.7	Bottom	3	2	26.22	7.89	31.73	89.70	6.2	4.3	2.7
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR3(N)	9:02	1.0	Surface	1	1	26.35	7.92	31.56	90.50	6.3	3.5	3.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR3(N)	9:02	1.0	Surface	1	2	26.34	7.92	31.61	90.20	6.3	3.6	3.8
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR3(N)	9:02	2.3	Bottom	3	1	26.31	7.91	31.68	89.70	6.2	3.7	2.4
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR3(N)	9:02	2.3	Bottom	3	2	26.26	7.90	31.76	89.00	6.1	3.7	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR4(N3)	8:02	1.0	Surface	1	1	26.34	7.91	31.57	90.70	6.3	3.1	3.0
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR4(N3)	8:02	1.0	Surface	1	2	26.32	7.91	31.56	90.90	6.3	3.2	2.7
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR4(N3)	8:02	3.0	Bottom	3	1	26.27	7.88	31.84	90.20	6.2	3.3	3.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR4(N3)	8:02	3.0	Bottom	3	2	26.24	7.89	31.88	90.20	6.2	3.3	3.3
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR5(N)	8:29	1.0	Surface	1	1	26.27	7.90	31.43	88.90	6.2	3.6	3.8
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR5(N)	8:28	1.0	Surface	1	2	26.27	7.90	31.43	89.00	6.2	3.6	4.1
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR5(N)	8:29	4.8	Middle	2	1	26.23	7.89	31.68	88.00	6.1	3.9	3.3
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR5(N)	8:28	4.8	Middle	2	2	26.23	7.89	31.69	88.40	6.2	3.9	3.6
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR5(N)	8:29	8.5	Bottom	3	1	26.23	7.89	31.74	88.30	6.1	4.3	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR5(N)	8:28	8.5	Bottom	3	2	26.22	7.89	31.75	88.60	6.2	4.2	2.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10A(N)	7:31	1.0	Surface	1	1	26.18	7.88	31.72	91.30	6.4	2.8	1.6
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10A(N)	7:30	1.0	Surface	1	2	26.32	7.89	31.63	89.70	6.2	2.9	1.8
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10A(N)	7:30	6.5	Middle	2	1	26.25	7.87	31.89	88.60	6.1	3.0	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10A(N)	7:30	6.5	Middle	2	2	26.25	7.87	31.89	87.80	6.1	3.0	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10A(N)	7:30	11.9	Bottom	3	1	26.26	7.87	31.94	87.80	6.1	3.5	3.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10A(N)	7:30	11.9	Bottom	3	2	26.26	7.87	31.93	88.50	6.1	3.6	2.9
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10B(N2)	7:21	1.0	Surface	1	1	26.31	7.89	31.63	93.30	6.5	2.8	3.6
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10B(N2)	7:20	1.0	Surface	1	2	26.32	7.87	31.62	92.80	6.5	2.9	3.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10B(N2)	7:20	4.3	Middle	2	1	26.27	7.87	31.82	91.60	6.4	3.2	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10B(N2)	7:21	4.3	Middle	2	2	26.28	7.87	31.79	90.00	6.2	3.0	2.3
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10B(N2)	7:20	7.5	Bottom	3	1	26.25	7.87	31.93	89.20	6.2	3.5	1.7
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	SR10B(N2)	7:21	7.5	Bottom	3	2	26.27	7.87	31.91	89.40	6.2	3.5	1.9
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS2(A)	9:19	1.0	Surface	1	1	26.22	7.92	31.45	90.00	6.3	3.8	1.4
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS2(A)	9:19	1.0	Surface	1	2	26.23	7.91	31.43	90.00	6.3	3.8	1.7
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS2(A)	9:19	3.3	Middle	2	1	26.20	7.90	31.64	89.30	6.2	4.1	2.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS2(A)	9:18	3.3	Middle	2	2	26.21	7.91	31.64	89.30	6.2	4.1	2.6
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS2(A)	9:18	5.5	Bottom	3	1	26.20	7.91	31.73	88.90	6.2	4.3	2.9
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS2(A)	9:19	5.5	Bottom	3	2	26.19	7.90	31.74	88.80	6.2	4.4	3.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS(Mf)5	7:13	1.0	Surface	1	1	26.33	7.92	31.55	91.60	6.2	3.0	3.2
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS(Mf)5	7:13	1.0	Surface	1	2	26.30	7.89	31.59	90.90	6.3	3.0	3.5
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS(Mf)5	7:13	6.4	Middle	2	1	25.98	7.89	32.16	88.50	6.1	3.3	2.4
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS(Mf)5	7:12	6.4	Middle	2	2	25.98	7.87	32.16	89.20	6.1	3.3	2.8
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS(Mf)5	7:12	11.7	Bottom	3	1	25.97	7.86	32.26	88.30	6.2	3.6	1.8
HKLR	HY/2011/03	2023-05-24	Mid-Flood	Fine	CS(Mf)5	7:13	11.7	Bottom	3	2	26.00	7.87	32.29	88.20	6.0	3.5	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS5	16:12	1.0	Surface	1	1	26.28	8.00	30.02	107.60	7.8	3.6	2.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS5	16:11	1.0	Surface	1	2	26.26	8.00	29.98	107.00	7.8	3.5	1.8
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS5	16:11	4.1	Middle	2	1	26.04	7.99	30.48	106.30	7.7	3.5	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS5	16:12	4.1	Middle	2	2	26.05	7.99	30.53	107.30	7.8	3.5	1.8
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS5	16:12	7.2	Bottom	3	1	26.07	7.99	30.52	107.30	7.8	3.5	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS5	16:11	7.2	Bottom	3	2	26.06	7.99	30.50	106.20	7.7	3.5	1.7
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS(Mf)6	16:21	1.0	Surface	1	1	26.29	8.04	30.09	108.30	7.9	3.5	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS(Mf)6	16:22	1.0	Surface	1	2	26.28	8.04	30.05	108.10	7.9	3.5	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS(Mf)6	16:21	2.0	Bottom	3	1	26.26	8.03	30.33	108.20	7.9	3.5	1.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS(Mf)6	16:22	2.0	Bottom	3	2	26.23	8.03	30.32	108.30	7.9	3.4	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS7	16:30	1.0	Surface	1	1	26.25	8.03	29.97	107.60	7.8	3.3	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS7	16:30	1.0	Surface	1	2	26.32	8.03	30.02	107.40	7.8	3.3	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS7	16:30	2.1	Bottom	3	1	26.14	8.03	30.09	107.40	7.8	3.2	1.5
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS7	16:30	2.1	Bottom	3	2	26.15	8.03	30.18	107.30	7.8	3.3	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS8(N)	17:03	1.0	Surface	1	1	26.31	8.03	29.97	107.00	7.8	3.5	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS8(N)	17:03	1.0	Surface	1	2	26.32	8.04	29.96	107.30	7.8	3.5	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS8(N)	17:03	3.0	Bottom	3	1	26.27	8.03	30.17	106.60	7.7	3.5	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS8(N)	17:03	3.0	Bottom	3	2	26.24	8.02	30.20	106.90	7.8	3.5	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS(Mf)9	16:40	1.0	Surface	1	1	26.24	8.03	30.12	108.00	7.9	3.4	1.7
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS(Mf)9	16:40	1.0	Surface	1	2	26.24	8.03	30.13	108.20	7.9	3.3	2.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS(Mf)9	16:40	2.6	Bottom	3	1	26.10	8.02	30.33	108.20	7.9	3.4	2.7
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS(Mf)9	16:40	2.6	Bottom	3	2	26.14	8.03	30.39	108.10	7.9	3.2	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS10(N)	17:01	1.0	Surface	1	1	26.38	7.92	30.97	90.50	6.4	4.0	0.9
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS10(N)	17:02	1.0	Surface	1	2	26.40	7.92	30.95	90.90	6.4	3.9	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS10(N)	17:01	5.3	Middle	2	1	26.23	7.90	31.37	90.20	6.4	4.2	1.8
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS10(N)	17:01	5.3	Middle	2	2	26.22	7.90	31.38	89.90	6.4	4.2	1.8
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS10(N)	17:01	9.5	Bottom	3	1	26.24	7.90	31.40	89.90	6.4	4.4	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	IS10(N)	17:01	9.5	Bottom	3	2	26.22	7.90	31.44	90.00	6.4	4.2	0.9
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR3(N)	15:59	1.0	Surface	1	1	26.32	7.94	29.88	106.00	7.7	3.4	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR3(N)	15:58	1.0	Surface	1	2	26.32	7.94	29.95	106.00	7.7	3.4	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR3(N)	15:59	2.2	Bottom	3	1	26.29	7.94	30.03	106.60	7.8	3.4	3.5
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR3(N)	15:58	2.2	Bottom	3	2	26.25	7.93	30.12	105.60	7.7	3.4	3.9
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR4(N3)	16:54	1.0	Surface	1	1	26.31	8.03	30.01	108.40	7.9	3.4	1.7
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR4(N3)	16:55	1.0	Surface	1	2	26.29	8.03	30.01	108.20	7.9	3.3	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR4(N3)	16:54	2.7	Bottom	3	1	26.29	8.03	30.16	108.20	7.9	3.4	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR4(N3)	16:55	2.7	Bottom	3	2	26.26	8.03	30.20	108.10	7.9	3.3	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR5(N)	16:51	1.0	Surface	1	1	26.39	7.92	30.98	91.50	6.5	3.8	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR5(N)	16:51	1.0	Surface	1	2	26.34	7.93	30.98	91.30	6.5	3.7	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR5(N)	16:51	4.7	Middle	2	1	26.25	7.90	31.32	90.10	6.4	3.9	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR5(N)	16:50	4.7	Middle	2	2	26.25	7.91	31.31	90.00	6.4	3.9	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR5(N)	16:50	8.3	Bottom	3	1	26.21	7.91	31.45	90.10	6.4	4.3	0.8
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR5(N)	16:51	8.3	Bottom	3	2	26.22	7.90	31.44	90.30	6.4	4.3	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10A(N)	17:50	1.0	Surface	1	1	26.35	7.91	31.52	92.30	6.5	3.3	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10A(N)	17:49	1.0	Surface	1	2	26.38	7.92	31.49	92.10	6.5	3.2	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10A(N)	17:49	6.4	Middle	2	1	26.26	7.92	31.79	90.50	6.4	3.6	1.7
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10A(N)	17:50	6.4	Middle	2	2	26.25	7.91	31.78	89.60	6.3	3.6	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10A(N)	17:49	11.7	Bottom	3	1	26.26	7.92	31.80	90.30	6.4	3.7	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10A(N)	17:50	11.7	Bottom	3	2	26.27	7.91	31.79	90.00	6.3	3.7	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10B(N2)	18:00	1.0	Surface	1	1	26.38	7.91	31.52	90.70	6.4	3.3	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10B(N2)	18:00	1.0	Surface	1	2	26.38	7.91	31.51	90.70	6.4	3.2	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10B(N2)	17:59	4.1	Middle	2	1	26.29	7.91	31.70	89.70	6.3	3.5	2.9
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10B(N2)	18:00	4.1	Middle	2	2	26.30	7.91	31.68	89.90	6.3	3.6	1.8
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10B(N2)	17:59	7.2	Bottom	3	1	26.27	7.91	31.76	89.70	6.3	3.8	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	SR10B(N2)	18:00	7.2	Bottom	3	2	26.29	7.90	31.73	89.60	6.3	3.8	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS2(A)	16:03	1.0	Surface	1	1	26.23	7.91	31.05	94.30	6.7	3.8	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS2(A)	16:03	1.0	Surface	1	2	26.24	7.91	31.03	93.60	6.6	3.7	1.8
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS2(A)	16:03	3.3	Middle	2	1	26.14	7.90	31.33	92.20	6.6	4.0	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS2(A)	16:03	3.3	Middle	2	2	26.17	7.90	31.32	92.10	6.5	3.8	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS2(A)	16:03	5.6	Bottom	3	1	26.14	7.89	31.44	92.30	6.5	4.4	1.5
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS2(A)	16:02	5.6	Bottom	3	2	26.14	7.90	31.45	92.30	6.6	4.3	2.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS(Mf)5	17:50	1.0	Surface	1	1	26.24	8.04	29.97	105.50	7.7	3.4	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS(Mf)5	17:51	1.0	Surface	1	2	26.31	8.03	30.10	105.70	7.7	3.4	0.9
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS(Mf)5	17:50	6.0	Middle	2	1	26.02	8.03	30.57	105.40	7.7	3.4	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS(Mf)5	17:51	6.0	Middle	2	2	26.03	8.03	30.58	105.10	7.6	3.5	0.8
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS(Mf)5	17:51	11.0	Bottom	3	1	26.06	8.03	30.56	104.70	7.6	3.4	2.4
HKLR	HY/2011/03	2023-05-26	Mid-Ebb	Fine	CS(Mf)5	17:50	11.0	Bottom	3	2	26.04	8.03	30.51	105.10	7.6	3.4	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS5	5:46	1.0	Surface	1	1	26.25	8.05	29.87	107.10	7.8	3.4	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS5	5:47	1.0	Surface	1	2	26.33	8.04	30.01	108.70	7.9	3.4	1.8

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS5	5:46	4.2	Middle	2	1	26.05	8.04	30.47	108.20	7.9	3.5	1.7
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS5	5:46	4.2	Middle	2	2	26.05	8.04	30.46	106.90	7.8	3.5	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS5	5:46	7.3	Bottom	3	1	26.06	8.04	30.51	106.90	7.8	3.5	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS5	5:46	7.3	Bottom	3	2	26.07	8.04	30.51	106.10	7.7	3.5	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS(Mf)6	5:35	1.0	Surface	1	1	26.28	8.01	29.95	107.10	7.8	3.5	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS(Mf)6	5:36	1.0	Surface	1	2	26.30	8.01	29.92	106.90	7.8	3.5	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS(Mf)6	5:35	2.0	Bottom	3	1	26.19	8.00	30.23	107.10	7.8	3.5	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS(Mf)6	5:35	2.0	Bottom	3	2	26.23	8.00	30.18	106.80	7.8	3.5	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS7	5:24	1.0	Surface	1	1	26.23	8.08	30.01	108.10	7.9	3.8	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS7	5:25	1.0	Surface	1	2	26.28	8.08	29.93	107.90	7.8	3.8	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS7	5:24	2.2	Bottom	3	1	26.16	8.07	30.26	108.00	7.9	3.8	2.8
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS7	5:25	2.2	Bottom	3	2	26.20	8.07	30.22	107.70	7.8	3.8	2.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS8(N)	4:55	1.0	Surface	1	1	26.31	7.98	29.88	107.50	7.8	3.6	1.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS8(N)	4:55	1.0	Surface	1	2	26.31	7.98	29.90	107.50	7.8	3.5	1.5
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS8(N)	4:55	3.0	Bottom	3	1	26.23	7.98	30.23	107.40	7.8	3.5	1.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS8(N)	4:54	3.0	Bottom	3	2	26.19	7.97	30.22	107.10	7.8	3.5	1.5
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS(Mf)9	5:15	1.0	Surface	1	1	26.32	7.94	29.91	106.90	7.8	3.4	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS(Mf)9	5:14	1.0	Surface	1	2	26.33	7.96	29.90	107.00	7.8	3.5	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS(Mf)9	5:14	2.5	Bottom	3	1	26.26	7.93	30.16	106.70	7.7	3.5	2.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	IS(Mf)9	5:14	2.5	Bottom	3	2	26.26	7.96	30.10	106.90	7.8	3.5	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	IS10(N)	4:45	1.0	Surface	1	1	26.20	7.92	31.08	92.20	6.6	3.5	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	IS10(N)	4:45	1.0	Surface	1	2	26.21	7.92	31.08	92.20	6.6	3.5	1.5
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	IS10(N)	4:45	5.3	Middle	2	1	26.13	7.91	31.36	90.30	6.4	4.0	1.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	IS10(N)	4:44	5.3	Middle	2	2	26.14	7.91	31.35	91.00	6.5	4.0	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	IS10(N)	4:45	9.6	Bottom	3	1	26.15	7.91	31.38	90.60	6.4	4.3	1.7
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	IS10(N)	4:44	9.6	Bottom	3	2	26.14	7.91	31.39	90.90	6.4	4.4	1.7
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	SR3(N)	5:56	1.0	Surface	1	1	26.32	7.97	29.92	108.20	7.9	3.5	1.7
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	SR3(N)	5:56	1.0	Surface	1	2	26.33	7.97	29.95	107.90	7.9	3.3	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	SR3(N)	5:55	2.3	Bottom	3	1	26.30	7.96	30.21	107.80	7.8	3.3	2.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	SR3(N)	5:56	2.3	Bottom	3	2	26.27	7.96	30.20	107.50	7.8	3.3	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	SR4(N3)	5:05	1.0	Surface	1	1	26.32	7.97	29.92	107.90	7.9	3.8	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	SR4(N3)	5:05	1.0	Surface	1	2	26.34	7.97	29.91	108.10	7.9	3.7	1.8
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	SR4(N3)	5:05	2.7	Bottom	3	1	26.21	7.96	30.19	108.00	7.9	3.8	2.5
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	SR4(N3)	5:04	2.7	Bottom	3	2	26.21	7.96	30.24	107.70	7.8	3.8	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR5(N)	4:55	1.0	Surface	1	1	26.20	7.92	31.09	90.30	6.4	3.7	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR5(N)	4:54	1.0	Surface	1	2	26.20	7.92	31.09	90.40	6.4	3.6	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR5(N)	4:55	4.7	Middle	2	1	26.15	7.91	31.32	89.40	6.3	4.0	0.7
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR5(N)	4:54	4.7	Middle	2	2	26.15	7.91	31.33	89.80	6.4	4.0	0.7
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR5(N)	4:54	8.4	Bottom	3	1	26.12	7.90	31.42	90.00	6.4	4.2	0.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR5(N)	4:55	8.4	Bottom	3	2	26.13	7.90	31.41	89.70	6.4	4.3	0.7
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10A(N)	3:56	1.0	Surface	1	1	26.24	7.90	31.40	91.20	6.5	3.0	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10A(N)	3:56	1.0	Surface	1	2	26.33	7.90	31.32	90.10	6.4	3.1	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10A(N)	3:55	6.4	Middle	2	1	26.23	7.88	31.60	89.20	6.3	3.2	3.1
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10A(N)	3:56	6.4	Middle	2	2	26.23	7.88	31.60	88.70	6.3	3.2	2.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10A(N)	3:56	11.8	Bottom	3	1	26.25	7.88	31.64	89.00	6.3	3.6	1.6
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10A(N)	3:55	11.8	Bottom	3	2	26.23	7.88	31.64	89.30	6.3	3.7	1.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10B(N2)	3:46	1.0	Surface	1	1	26.34	7.90	31.32	94.80	6.7	3.1	1.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10B(N2)	3:45	1.0	Surface	1	2	26.35	7.88	31.32	94.20	6.7	3.1	1.3
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10B(N2)	3:45	4.1	Middle	2	1	26.27	7.87	31.52	92.50	6.5	3.3	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10B(N2)	3:46	4.1	Middle	2	2	26.28	7.88	31.45	90.90	6.4	3.3	1.5
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10B(N2)	3:45	7.1	Bottom	3	1	26.23	7.87	31.62	90.20	6.4	3.6	1.5
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	SR10B(N2)	3:46	7.1	Bottom	3	2	26.25	7.88	31.60	90.30	6.4	3.6	0.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	CS2(A)	5:45	1.0	Surface	1	1	26.16	7.92	31.02	91.10	6.5	3.8	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	CS2(A)	5:44	1.0	Surface	1	2	26.16	7.93	31.05	90.90	6.5	3.8	0.9
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	CS2(A)	5:45	3.3	Middle	2	1	26.13	7.92	31.20	90.40	6.4	4.0	1.4
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	CS2(A)	5:44	3.3	Middle	2	2	26.14	7.93	31.22	90.30	6.4	4.1	1.5
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	CS2(A)	5:44	5.6	Bottom	3	1	26.11	7.93	31.33	90.50	6.4	4.4	1.2
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Fine	CS2(A)	5:45	5.6	Bottom	3	2	26.11	7.92	31.34	90.40	6.4	4.5	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	CS(Mf)5	4:06	1.0	Surface	1	1	26.32	7.97	29.92	107.90	7.8	3.8	0.7

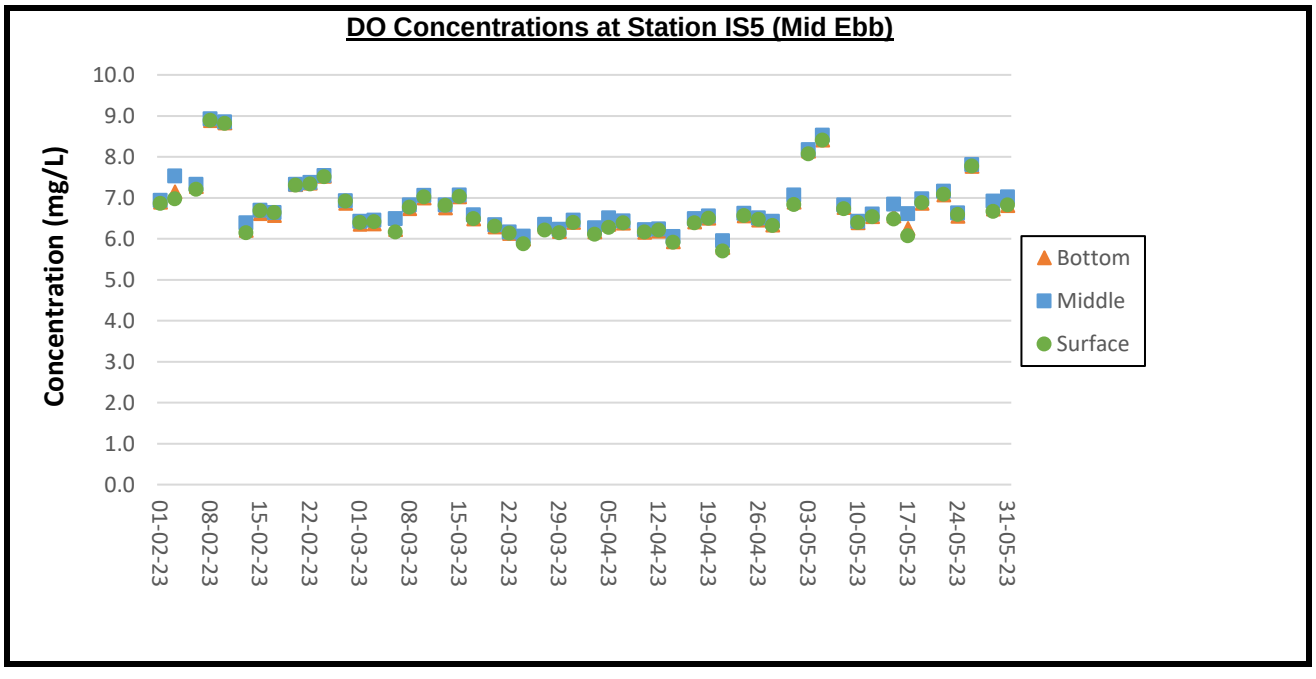
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	CS(Mf)5	4:07	1.0	Surface	1	2	26.28	8.00	29.87	106.30	7.7	3.8	1.1
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	CS(Mf)5	4:07	6.2	Middle	2	1	26.05	7.98	30.57	106.10	7.7	3.9	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	CS(Mf)5	4:06	6.2	Middle	2	2	26.04	7.95	30.54	107.40	7.8	3.8	1.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	CS(Mf)5	4:06	11.3	Bottom	3	1	26.03	7.94	30.53	106.10	7.7	3.8	2.0
HKLR	HY/2011/03	2023-05-26	Mid-Flood	Cloudy	CS(Mf)5	4:07	11.3	Bottom	3	2	26.05	7.97	30.59	105.30	7.7	3.8	1.8
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS5	9:40	1.0	Surface	1	1	27.16	7.93	32.34	99.20	6.9	3.8	3.3
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS5	9:39	1.0	Surface	1	2	27.23	7.92	32.34	100.70	7.0	3.7	3.7
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS5	9:39	4.2	Middle	2	1	26.85	7.89	32.75	98.50	6.7	3.9	4.0
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS5	9:39	4.2	Middle	2	2	26.88	7.88	32.74	98.40	6.7	3.9	4.5
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS5	9:39	7.4	Bottom	3	1	26.85	7.86	32.80	98.20	6.7	4.0	5.2
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS5	9:39	7.4	Bottom	3	2	26.77	7.87	32.79	98.30	6.7	4.1	5.0
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS(Mf)6	9:30	1.0	Surface	1	1	27.23	7.91	32.33	101.50	7.0	3.8	3.4
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS(Mf)6	9:29	1.0	Surface	1	2	27.22	7.91	32.35	101.50	7.0	3.8	3.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS(Mf)6	9:29	2.3	Bottom	3	1	27.19	7.90	32.45	101.10	7.0	3.8	3.0
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS(Mf)6	9:29	2.3	Bottom	3	2	27.15	7.89	32.50	101.30	7.0	3.8	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS7	9:19	1.0	Surface	1	1	27.26	7.91	32.38	101.00	7.0	3.7	4.2
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS7	9:20	1.0	Surface	1	2	27.28	7.91	32.31	101.50	7.0	3.7	3.7
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS7	9:19	2.3	Bottom	3	1	27.17	7.90	32.48	100.90	6.9	3.8	2.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS7	9:19	2.3	Bottom	3	2	27.22	7.90	32.46	100.90	6.9	3.8	3.1
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS8(N)	8:42	1.0	Surface	1	1	27.22	7.91	32.32	101.70	7.1	3.6	3.5
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS8(N)	8:42	1.0	Surface	1	2	27.25	7.91	32.30	102.30	7.1	3.7	3.5
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS8(N)	8:42	3.0	Bottom	3	1	27.19	7.89	32.57	101.80	7.0	3.7	3.1
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS8(N)	8:42	3.0	Bottom	3	2	27.03	7.89	32.60	100.60	6.9	3.8	3.0
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS(Mf)9	9:09	1.0	Surface	1	1	27.25	7.91	32.29	101.30	7.0	3.6	2.4
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS(Mf)9	9:09	1.0	Surface	1	2	27.25	7.92	32.32	100.90	7.0	3.7	2.7
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS(Mf)9	9:09	2.5	Bottom	3	1	27.19	7.89	32.47	100.60	6.9	3.7	2.1
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS(Mf)9	9:08	2.5	Bottom	3	2	27.01	7.89	32.45	100.00	6.9	3.7	2.4
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS10(N)	9:08	1.0	Surface	1	1	27.01	7.88	32.26	105.30	7.2	3.2	1.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS10(N)	9:09	1.0	Surface	1	2	27.01	7.88	32.27	104.60	7.2	3.3	1.8
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS10(N)	9:08	5.3	Middle	2	1	26.96	7.86	32.59	103.50	7.1	3.6	2.3
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS10(N)	9:08	5.3	Middle	2	2	26.96	7.85	32.62	103.80	7.1	3.6	2.5
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS10(N)	9:08	9.5	Bottom	3	1	26.97	7.86	32.56	104.20	7.1	3.9	3.9
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	IS10(N)	9:08	9.5	Bottom	3	2	26.97	7.85	32.64	103.30	7.1	3.8	4.3
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR3(N)	9:53	1.0	Surface	1	1	27.24	7.91	32.36	100.50	7.0	3.8	3.4
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR3(N)	9:53	1.0	Surface	1	2	27.22	7.91	32.33	100.60	7.0	3.8	2.9
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR3(N)	9:53	2.3	Bottom	3	1	27.17	7.90	32.46	100.20	6.9	4.0	2.8
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR3(N)	9:53	2.3	Bottom	3	2	27.14	7.90	32.50	99.60	6.9	4.0	3.0
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR4(N3)	8:51	1.0	Surface	1	1	27.22	7.91	32.30	100.80	7.0	3.6	2.5
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR4(N3)	8:51	1.0	Surface	1	2	27.20	7.91	32.30	101.10	7.0	3.6	2.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR4(N3)	8:51	3.0	Bottom	3	1	27.18	7.89	32.56	100.50	6.9	3.7	2.4
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR4(N3)	8:51	3.0	Bottom	3	2	27.11	7.89	32.63	100.50	6.9	3.7	2.1
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR5(N)	9:18	1.0	Surface	1	1	27.01	7.88	32.25	104.80	7.2	3.2	2.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR5(N)	9:19	1.0	Surface	1	2	27.01	7.89	32.26	104.90	7.2	3.3	2.3
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR5(N)	9:19	4.7	Middle	2	1	26.98	7.87	32.47	103.20	7.1	3.7	2.8
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR5(N)	9:18	4.7	Middle	2	2	26.97	7.87	32.47	103.60	7.1	3.6	3.0
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR5(N)	9:18	8.3	Bottom	3	1	26.96	7.86	32.59	104.60	7.1	3.8	4.1
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR5(N)	9:18	8.3	Bottom	3	2	26.96	7.86	32.61	104.70	7.1	3.9	3.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10A(N)	8:19	1.0	Surface	1	1	27.07	7.87	32.38	102.90	7.0	3.2	3.5
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10A(N)	8:20	1.0	Surface	1	2	27.03	7.86	32.41	103.40	7.1	3.2	3.3
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10A(N)	8:20	6.2	Middle	2	1	27.01	7.84	32.75	100.80	6.9	3.2	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10A(N)	8:19	6.2	Middle	2	2	27.01	7.84	32.74	101.90	6.9	3.2	3.4
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10A(N)	8:20	11.4	Bottom	3	1	27.02	7.84	32.77	102.30	7.0	3.6	2.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10A(N)	8:19	11.4	Bottom	3	2	27.01	7.84	32.76	103.10	7.0	3.6	2.9
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10B(N2)	8:11	1.0	Surface	1	1	27.07	7.87	32.36	106.40	7.3	3.2	3.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10B(N2)	8:10	1.0	Surface	1	2	27.08	7.86	32.36	106.00	7.2	3.2	3.3
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10B(N2)	8:10	3.8	Middle	2	1	27.02	7.85	32.51	104.80	7.2	3.4	2.8
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10B(N2)	8:10	3.8	Middle	2	2	27.03	7.85	32.50	103.50	7.1	3.4	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10B(N2)	8:10	6.6	Bottom	3	1	27.01	7.84	32.70	101.40	6.9	3.6	3.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	SR10B(N2)	8:09	6.6	Bottom	3	2	27.01	7.83	32.75	100.30	6.8	3.7	3.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS2(A)	10:06	1.0	Surface	1	1	27.00	7.89	32.24	105.20	7.2	3.5	2.4
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS2(A)	10:07	1.0	Surface	1	2	27.00	7.89	32.23	105.20	7.2	3.4	2.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS2(A)	10:06	3.5	Middle	2	1	26.97	7.88	32.40	103.60	7.1	3.7	3.0
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS2(A)	10:07	3.5	Middle	2	2	26.97	7.88	32.37	104.30	7.1	3.6	3.3
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS2(A)	10:06	5.9	Bottom	3	1	26.96	7.88	32.54	105.20	7.2	4.0	3.6
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS2(A)	10:06	5.9	Bottom	3	2	26.95	7.88	32.59	104.40	7.1	3.8	3.1
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS(Mf)5	8:03	1.0	Surface	1	1	27.17	7.92	32.30	102.90	7.0	3.1	2.1
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS(Mf)5	8:03	1.0	Surface	1	2	27.20	7.90	32.33	102.50	7.1	3.1	2.5
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS(Mf)5	8:03	6.3	Middle	2	1	26.77	7.88	32.80	99.40	6.8	3.3	2.3
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS(Mf)5	8:03	6.3	Middle	2	2	26.81	7.87	32.80	100.60	6.9	3.3	2.2
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS(Mf)5	8:02	11.5	Bottom	3	1	26.79	7.85	32.85	99.60	6.9	3.7	2.8
HKLR	HY/2011/03	2023-05-29	Mid-Ebb	Fine	CS(Mf)5	8:03	11.5	Bottom	3	2	26.81	7.86	32.86	99.50	6.7	3.6	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS5	12:54	1.0	Surface	1	1	27.29	7.89	32.33	103.40	7.2	3.7	2.7
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS5	12:55	1.0	Surface	1	2	27.35	7.88	32.35	104.10	7.3	3.8	3.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS5	12:54	4.3	Middle	2	1	27.16	7.87	32.73	102.80	7.2	4.2	3.8
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS5	12:55	4.3	Middle	2	2	27.18	7.87	32.71	102.80	7.2	4.1	3.6
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS5	12:55	7.5	Bottom	3	1	27.19	7.87	32.71	103.20	7.2	4.3	4.4
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS5	12:54	7.5	Bottom	3	2	27.15	7.87	32.72	103.70	7.3	4.3	4.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS(Mf)6	13:04	1.0	Surface	1	1	27.36	7.90	32.32	104.50	7.3	3.8	3.4
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS(Mf)6	13:04	1.0	Surface	1	2	27.34	7.91	32.33	104.40	7.3	3.9	3.7
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS(Mf)6	13:04	2.2	Bottom	3	1	27.33	7.90	32.46	103.50	7.2	4.2	3.9
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS(Mf)6	13:04	2.2	Bottom	3	2	27.30	7.91	32.47	104.20	7.3	4.2	4.3
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS7	13:15	1.0	Surface	1	1	27.36	7.90	32.35	104.20	7.3	3.4	4.6
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS7	13:15	1.0	Surface	1	2	27.36	7.89	32.37	104.30	7.3	3.5	5.0
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS7	13:15	2.4	Bottom	3	1	27.32	7.89	32.54	104.10	7.3	3.7	4.4
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS7	13:15	2.4	Bottom	3	2	27.32	7.89	32.50	103.70	7.3	3.7	4.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS8(N)	13:52	1.0	Surface	1	1	27.38	7.88	32.36	102.60	7.2	3.5	3.5
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS8(N)	13:52	1.0	Surface	1	2	27.39	7.89	32.33	103.20	7.2	3.4	3.8
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS8(N)	13:52	3.0	Bottom	3	1	27.31	7.87	32.51	102.80	7.2	3.8	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS8(N)	13:52	3.0	Bottom	3	2	27.29	7.87	32.57	101.90	7.1	3.7	3.4
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS(Mf)9	13:25	1.0	Surface	1	1	27.38	7.89	32.35	103.30	7.2	3.5	3.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS(Mf)9	13:25	1.0	Surface	1	2	27.35	7.89	32.35	103.20	7.2	3.5	2.9
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS(Mf)9	13:25	2.6	Bottom	3	1	27.33	7.89	32.54	103.20	7.2	3.8	3.3
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS(Mf)9	13:25	2.6	Bottom	3	2	27.29	7.88	32.55	103.10	7.2	3.9	3.4
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS10(N)	13:42	1.0	Surface	1	1	27.13	7.89	32.21	105.30	7.2	3.6	3.8
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS10(N)	13:42	1.0	Surface	1	2	27.11	7.89	32.24	104.20	7.1	3.5	4.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS10(N)	13:41	5.3	Middle	2	1	27.00	7.87	32.52	103.90	7.1	3.7	2.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS10(N)	13:42	5.3	Middle	2	2	27.00	7.87	32.57	104.40	7.1	3.7	2.3
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS10(N)	13:42	9.5	Bottom	3	1	27.01	7.87	32.58	103.00	7.0	4.0	2.3
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	IS10(N)	13:41	9.5	Bottom	3	2	27.01	7.87	32.58	103.70	7.1	3.8	2.6
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR3(N)	12:44	1.0	Surface	1	1	27.35	7.92	32.33	107.00	7.5	4.0	2.9
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR3(N)	12:44	1.0	Surface	1	2	27.36	7.92	32.35	106.40	7.4	3.9	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR3(N)	12:44	2.2	Bottom	3	1	27.34	7.91	32.39	106.20	7.4	4.1	2.9
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR3(N)	12:44	2.2	Bottom	3	2	27.32	7.92	32.43	106.90	7.4	4.1	3.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR4(N3)	13:43	1.0	Surface	1	1	27.36	7.89	32.37	102.90	7.2	3.4	3.6
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR4(N3)	13:42	1.0	Surface	1	2	27.37	7.88	32.31	102.60	7.2	3.4	3.3
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR4(N3)	13:42	2.9	Bottom	3	1	26.90	7.87	32.50	101.90	7.1	3.9	3.8
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR4(N3)	13:42	2.9	Bottom	3	2	27.37	7.88	32.53	102.40	7.2	4.0	4.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR5(N)	13:33	1.0	Surface	1	1	27.12	7.89	32.23	105.30	7.2	3.5	4.4
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR5(N)	13:32	1.0	Surface	1	2	27.09	7.89	32.24	105.20	7.2	3.5	4.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR5(N)	13:32	4.6	Middle	2	1	27.03	7.87	32.44	104.10	7.1	3.7	3.8
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR5(N)	13:32	4.6	Middle	2	2	27.03	7.88	32.43	104.20	7.1	3.7	3.5
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR5(N)	13:32	8.1	Bottom	3	1	27.01	7.87	32.54	104.70	7.1	3.9	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR5(N)	13:32	8.1	Bottom	3	2	27.00	7.87	32.57	105.20	7.2	4.0	3.1
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10A(N)	14:29	1.0	Surface	1	1	27.10	7.92	32.51	104.40	7.1	3.2	2.4
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10A(N)	14:28	1.0	Surface	1	2	27.11	7.91	32.49	104.20	7.1	3.2	2.7
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10A(N)	14:28	6.2	Middle	2	1	27.02	7.88	32.77	103.00	7.0	3.6	3.5
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10A(N)	14:29	6.2	Middle	2	2	27.02	7.91	32.78	103.20	7.0	3.5	3.3
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10A(N)	14:28	11.4	Bottom	3	1	27.04	7.90	32.73	104.00	7.1	3.6	3.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10A(N)	14:28	11.4	Bottom	3	2	27.02	7.88	32.81	103.80	7.1	3.6	3.9
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10B(N2)	14:38	1.0	Surface	1	1	27.12	7.91	32.50	104.50	7.1	3.1	3.5
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10B(N2)	14:39	1.0	Surface	1	2	27.12	7.90	32.50	104.80	7.1	3.0	3.9
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10B(N2)	14:38	3.8	Middle	2	1	27.05	7.92	32.61	103.60	7.1	3.3	3.0
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10B(N2)	14:38	3.8	Middle	2	2	27.06	7.90	32.60	103.50	7.0	3.4	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10B(N2)	14:38	6.5	Bottom	3	1	27.04	7.89	32.69	103.50	7.0	3.6	2.3
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	SR10B(N2)	14:38	6.5	Bottom	3	2	27.03	7.91	32.72	103.60	7.0	3.6	2.6
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS2(A)	12:45	1.0	Surface	1	1	27.04	7.88	32.25	107.00	7.3	3.6	3.7
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS2(A)	12:45	1.0	Surface	1	2	27.05	7.88	32.24	106.80	7.3	3.5	3.8
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS2(A)	12:45	3.4	Middle	2	1	26.98	7.87	32.46	105.10	7.2	3.5	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS2(A)	12:45	3.4	Middle	2	2	26.98	7.87	32.41	105.40	7.2	3.7	3.4
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS2(A)	12:44	5.7	Bottom	3	1	26.96	7.86	32.63	106.00	7.2	3.9	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS2(A)	12:45	5.7	Bottom	3	2	26.96	7.86	32.60	105.70	7.2	3.9	2.8
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS(Mf)5	14:31	1.0	Surface	1	1	27.32	7.92	32.40	100.20	7.0	3.6	4.0
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS(Mf)5	14:32	1.0	Surface	1	2	27.36	7.91	32.40	100.50	7.0	3.4	3.8
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS(Mf)5	14:31	6.3	Middle	2	1	26.97	7.88	32.92	98.10	6.8	3.7	3.6
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS(Mf)5	14:31	6.3	Middle	2	2	26.95	7.88	32.93	99.00	6.9	3.6	3.2
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS(Mf)5	14:31	11.5	Bottom	3	1	26.98	7.88	31.89	97.90	6.8	4.2	2.9
HKLR	HY/2011/03	2023-05-29	Mid-Flood	Fine	CS(Mf)5	14:31	11.5	Bottom	3	2	26.90	7.88	32.91	97.90	6.8	4.1	2.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS5	11:14	1.0	Surface	1	1	27.81	7.77	32.10	103.30	7.0	4.2	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS5	11:13	1.0	Surface	1	2	27.84	7.77	32.13	105.20	7.1	4.2	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS5	11:13	4.2	Middle	2	1	27.52	7.74	32.43	102.40	6.9	4.8	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS5	11:14	4.2	Middle	2	2	27.53	7.73	32.43	101.40	6.8	4.8	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS5	11:14	7.4	Bottom	3	1	27.51	7.72	32.49	102.20	6.8	5.0	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS5	11:13	7.4	Bottom	3	2	27.46	7.74	32.47	102.60	6.8	5.1	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS(Mf)6	11:03	1.0	Surface	1	1	27.85	7.76	31.99	108.00	7.3	4.0	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS(Mf)6	11:03	1.0	Surface	1	2	27.81	7.76	32.01	107.40	7.2	4.0	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS(Mf)6	11:03	2.2	Bottom	3	1	27.80	7.75	32.09	107.40	7.2	4.2	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS(Mf)6	11:02	2.2	Bottom	3	2	27.75	7.74	32.15	107.30	7.2	4.2	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS7	10:53	1.0	Surface	1	1	27.85	7.77	31.99	108.70	7.3	4.5	2.9
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS7	10:53	1.0	Surface	1	2	27.88	7.76	31.96	109.90	7.4	4.4	2.2
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS7	10:53	2.2	Bottom	3	1	27.81	7.76	32.09	108.20	7.2	4.9	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS7	10:52	2.2	Bottom	3	2	27.77	7.76	32.05	108.30	7.3	5.0	2.2
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS8(N)	10:13	1.0	Surface	1	1	27.81	7.76	31.70	105.90	7.2	6.8	2.1
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS8(N)	10:13	1.0	Surface	1	2	27.82	7.76	31.69	106.00	7.2	6.8	2.3
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS8(N)	10:13	3.0	Bottom	3	1	27.78	7.74	32.11	106.00	7.1	7.5	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS8(N)	10:13	3.0	Bottom	3	2	27.65	7.75	32.18	105.30	7.1	7.4	2.5
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS(Mf)9	10:37	1.0	Surface	1	1	27.85	7.77	31.91	106.30	7.1	5.9	2.3
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS(Mf)9	10:37	1.0	Surface	1	2	27.85	7.76	31.91	107.90	7.3	6.0	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS(Mf)9	10:37	2.5	Bottom	3	1	27.78	7.75	32.02	106.30	7.1	6.7	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS(Mf)9	10:37	2.5	Bottom	3	2	27.71	7.75	32.06	105.20	7.1	6.4	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS10(N)	10:46	1.0	Surface	1	1	27.41	7.90	32.04	110.10	7.3	4.2	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS10(N)	10:46	1.0	Surface	1	2	27.41	7.90	32.03	109.80	7.3	4.3	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS10(N)	10:46	5.3	Middle	2	1	27.34	7.86	32.38	108.10	7.2	4.7	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS10(N)	10:46	5.3	Middle	2	2	27.33	7.86	32.40	108.70	7.2	4.7	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS10(N)	10:46	9.5	Bottom	3	1	27.34	7.86	32.40	109.50	7.3	4.9	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	IS10(N)	10:45	9.5	Bottom	3	2	27.35	7.86	32.44	109.60	7.3	4.8	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR3(N)	11:28	1.0	Surface	1	1	27.86	7.77	32.06	107.10	7.2	4.0	1.2
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR3(N)	11:28	1.0	Surface	1	2	27.86	7.76	32.11	106.50	7.2	4.0	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR3(N)	11:28	2.3	Bottom	3	1	27.82	7.75	32.14	106.50	7.1	4.2	1.5
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR3(N)	11:27	2.3	Bottom	3	2	27.78	7.75	32.21	105.80	7.1	4.1	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR4(N3)	10:22	1.0	Surface	1	1	27.77	7.75	31.71	105.10	7.1	6.9	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR4(N3)	10:22	1.0	Surface	1	2	27.78	7.75	31.74	104.50	7.1	6.9	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR4(N3)	10:22	3.0	Bottom	3	1	27.73	7.72	32.20	104.40	7.0	7.7	1.3
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR4(N3)	10:22	3.0	Bottom	3	2	27.71	7.73	32.21	105.00	7.1	7.5	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR5(N)	10:56	1.0	Surface	1	1	27.43	7.91	32.02	111.00	7.4	4.5	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR5(N)	10:55	1.0	Surface	1	2	27.43	7.91	32.00	110.80	7.4	4.5	1.3
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR5(N)	10:55	4.8	Middle	2	1	27.34	7.87	32.30	108.80	7.2	4.8	1.3
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR5(N)	10:56	4.8	Middle	2	2	27.34	7.87	32.31	108.60	7.2	4.7	1.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR5(N)	10:56	8.5	Bottom	3	1	27.34	7.87	32.43	109.00	7.3	5.3	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR5(N)	10:55	8.5	Bottom	3	2	27.33	7.86	32.42	109.10	7.3	5.1	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10A(N)	9:57	1.0	Surface	1	1	27.45	7.90	32.07	109.30	7.3	4.0	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10A(N)	9:57	1.0	Surface	1	2	27.43	7.90	32.11	110.10	7.3	4.0	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10A(N)	9:57	6.8	Middle	2	1	27.35	7.85	32.51	107.80	7.2	4.2	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10A(N)	9:56	6.8	Middle	2	2	27.35	7.85	32.49	108.20	7.2	4.3	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10A(N)	9:56	12.5	Bottom	3	1	27.35	7.86	32.50	107.50	7.1	4.8	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10A(N)	9:57	12.5	Bottom	3	2	27.38	7.86	32.49	107.20	7.1	4.7	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10B(N2)	9:47	1.0	Surface	1	1	27.45	7.90	32.05	112.30	7.5	4.3	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10B(N2)	9:47	1.0	Surface	1	2	27.44	7.90	32.07	113.10	7.5	4.2	1.2
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10B(N2)	9:47	3.9	Middle	2	1	27.35	7.87	32.30	110.60	7.4	4.3	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10B(N2)	9:47	3.9	Middle	2	2	27.36	7.87	32.28	109.80	7.3	4.4	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10B(N2)	9:47	6.7	Bottom	3	1	27.37	7.86	32.42	107.90	7.2	4.8	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	SR10B(N2)	9:46	6.7	Bottom	3	2	27.37	7.86	32.44	108.40	7.2	4.8	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS2(A)	11:44	1.0	Surface	1	1	27.41	7.91	32.03	111.50	7.4	4.5	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS2(A)	11:44	1.0	Surface	1	2	27.41	7.91	32.03	111.70	7.4	4.6	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS2(A)	11:43	3.4	Middle	2	1	27.36	7.88	32.21	110.30	7.3	4.8	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS2(A)	11:44	3.4	Middle	2	2	27.35	7.88	32.22	110.40	7.4	4.7	1.5
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS2(A)	11:43	5.7	Bottom	3	1	27.34	7.88	32.35	110.20	7.3	5.2	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS2(A)	11:44	5.7	Bottom	3	2	27.38	7.88	32.29	110.90	7.4	5.2	1.3
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS(Mf)5	9:36	1.0	Surface	1	1	27.84	7.76	31.74	104.40	7.0	3.7	1.2
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS(Mf)5	9:36	1.0	Surface	1	2	27.81	7.73	31.86	103.20	7.0	3.6	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS(Mf)5	9:35	6.5	Middle	2	1	27.27	7.69	32.55	101.50	6.8	4.2	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS(Mf)5	9:36	6.5	Middle	2	2	27.30	7.70	32.56	99.90	6.7	4.2	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS(Mf)5	9:35	11.9	Bottom	3	1	27.26	7.67	32.62	99.70	6.7	4.7	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Ebb	Fine	CS(Mf)5	9:36	11.9	Bottom	3	2	27.33	7.69	32.64	98.40	6.5	4.7	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS5	15:34	1.0	Surface	1	1	27.99	7.77	32.31	109.40	7.4	4.5	2.1
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS5	15:35	1.0	Surface	1	2	28.00	7.75	32.35	108.70	7.3	4.5	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS5	15:35	4.3	Middle	2	1	27.82	7.74	32.63	106.60	7.2	4.8	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS5	15:34	4.3	Middle	2	2	27.77	7.74	32.65	106.80	7.2	5.0	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS5	15:35	7.5	Bottom	3	1	27.81	7.74	32.64	107.10	7.2	5.2	2.2
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS5	15:34	7.5	Bottom	3	2	27.71	7.74	32.66	107.20	7.3	5.3	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS(Mf)6	15:46	1.0	Surface	1	1	28.06	7.77	32.22	112.40	7.6	4.4	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS(Mf)6	15:46	1.0	Surface	1	2	28.05	7.77	32.24	111.70	7.6	4.4	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS(Mf)6	15:46	2.2	Bottom	3	1	27.99	7.76	32.31	111.20	7.5	5.0	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS(Mf)6	15:46	2.2	Bottom	3	2	27.92	7.76	32.37	111.20	7.5	5.0	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS7	15:57	1.0	Surface	1	1	28.13	7.78	31.99	113.70	7.7	4.1	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS7	15:57	1.0	Surface	1	2	28.09	7.77	32.00	113.50	7.7	4.3	2.5
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS7	15:56	2.3	Bottom	3	1	28.00	7.77	32.21	113.40	7.7	4.5	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS7	15:57	2.3	Bottom	3	2	28.03	7.77	32.15	113.20	7.6	4.4	2.1
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS8(N)	16:30	1.0	Surface	1	1	27.89	7.75	31.90	109.20	7.4	5.3	1.5
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS8(N)	16:30	1.0	Surface	1	2	27.99	7.77	31.84	109.60	7.4	5.4	2.2
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS8(N)	16:30	3.1	Bottom	3	1	27.90	7.74	32.02	108.50	7.3	5.6	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS8(N)	16:30	3.1	Bottom	3	2	27.79	7.73	32.11	108.40	7.3	5.6	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS(Mf)9	16:07	1.0	Surface	1	1	28.11	7.78	31.96	113.20	7.6	4.3	2.2
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS(Mf)9	16:06	1.0	Surface	1	2	28.09	7.77	31.99	112.80	7.6	4.3	2.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS(Mf)9	16:06	2.6	Bottom	3	1	28.00	7.75	32.15	112.90	7.6	4.6	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS(Mf)9	16:07	2.6	Bottom	3	2	28.04	7.77	32.15	112.90	7.6	4.6	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS10(N)	16:30	1.0	Surface	1	1	27.50	7.90	31.79	112.90	7.5	4.7	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS10(N)	16:30	1.0	Surface	1	2	27.48	7.90	31.81	111.80	7.4	4.8	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS10(N)	16:29	5.3	Middle	2	1	27.36	7.86	32.25	110.70	7.4	4.9	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS10(N)	16:30	5.3	Middle	2	2	27.36	7.86	32.28	110.30	7.3	5.0	2.4
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS10(N)	16:29	9.6	Bottom	3	1	27.40	7.87	32.25	110.20	7.3	5.6	1.5
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	IS10(N)	16:30	9.6	Bottom	3	2	27.37	7.86	32.30	109.40	7.3	5.8	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR3(N)	15:22	1.0	Surface	1	1	28.10	7.79	32.23	114.60	7.8	5.0	2.2
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR3(N)	15:22	1.0	Surface	1	2	28.11	7.80	32.22	114.70	7.8	4.9	1.5
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR3(N)	15:22	2.2	Bottom	3	1	28.10	7.79	32.25	113.90	7.7	5.3	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR3(N)	15:22	2.2	Bottom	3	2	28.06	7.78	32.30	114.10	7.7	5.2	1.2
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR4(N3)	16:20	1.0	Surface	1	1	27.98	7.77	31.91	110.20	7.5	4.9	1.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR4(N3)	16:20	1.0	Surface	1	2	27.96	7.76	31.98	110.10	7.4	5.0	1.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR4(N3)	16:20	2.8	Bottom	3	1	27.61	7.75	32.15	110.60	7.5	5.3	2.1
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR4(N3)	16:20	2.8	Bottom	3	2	27.96	7.75	32.15	110.10	7.4	5.4	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR5(N)	16:20	1.0	Surface	1	1	27.48	7.90	31.82	112.80	7.5	5.2	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR5(N)	16:19	1.0	Surface	1	2	27.44	7.90	31.87	111.40	7.4	5.2	1.6
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR5(N)	16:19	4.7	Middle	2	1	27.37	7.86	32.21	110.40	7.3	5.4	2.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR5(N)	16:19	4.7	Middle	2	2	27.37	7.87	32.20	110.20	7.3	5.5	2.4
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR5(N)	16:19	8.4	Bottom	3	1	27.37	7.86	32.26	111.00	7.4	5.9	4.6
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR5(N)	16:19	8.4	Bottom	3	2	27.37	7.86	32.29	111.00	7.4	5.6	2.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10A(N)	17:16	1.0	Surface	1	1	27.52	7.91	32.44	110.60	7.3	4.1	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10A(N)	17:16	1.0	Surface	1	2	27.52	7.90	32.44	110.00	7.3	4.1	1.3
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10A(N)	17:16	6.7	Middle	2	1	27.41	7.87	32.72	106.70	7.1	4.4	3.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10A(N)	17:15	6.7	Middle	2	2	27.42	7.86	32.72	107.70	7.1	4.4	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10A(N)	17:15	12.4	Bottom	3	1	27.42	7.86	32.75	107.30	7.1	4.7	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10A(N)	17:16	12.4	Bottom	3	2	27.43	7.87	32.69	107.70	7.1	4.6	1.2
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10B(N2)	17:25	1.0	Surface	1	1	27.54	7.89	32.45	109.20	7.2	4.1	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10B(N2)	17:26	1.0	Surface	1	2	27.53	7.89	32.45	110.20	7.3	4.1	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10B(N2)	17:26	3.9	Middle	2	1	27.46	7.87	32.59	108.50	7.2	4.7	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10B(N2)	17:25	3.9	Middle	2	2	27.44	7.88	32.60	108.30	7.2	4.6	2.3
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10B(N2)	17:25	6.8	Bottom	3	1	27.45	7.88	32.63	107.70	7.1	4.8	1.4
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	SR10B(N2)	17:26	6.8	Bottom	3	2	27.47	7.87	32.61	108.40	7.2	4.8	1.7
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS2(A)	15:34	1.0	Surface	1	1	27.45	7.90	31.82	114.70	7.6	4.7	2.1
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS2(A)	15:35	1.0	Surface	1	2	27.46	7.90	31.81	113.90	7.6	4.6	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS2(A)	15:35	3.3	Middle	2	1	27.35	7.87	32.14	112.00	7.5	4.9	1.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS2(A)	15:34	3.3	Middle	2	2	27.34	7.87	32.13	112.50	7.5	5.0	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS2(A)	15:34	5.6	Bottom	3	1	27.35	7.86	32.28	112.60	7.5	5.3	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS2(A)	15:35	5.6	Bottom	3	2	27.36	7.86	32.25	112.20	7.5	5.4	2.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS(Mf)5	17:06	1.0	Surface	1	1	27.99	7.79	31.67	105.30	7.1	3.9	1.5
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS(Mf)5	17:07	1.0	Surface	1	2	27.98	7.78	31.71	104.60	7.0	3.7	1.8
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS(Mf)5	17:07	6.5	Middle	2	1	27.56	7.73	32.42	102.00	6.9	3.9	1.0
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS(Mf)5	17:06	6.5	Middle	2	2	27.48	7.74	32.43	102.40	6.9	3.9	1.1
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS(Mf)5	17:07	12	Bottom	3	1	27.54	7.73	31.92	101.70	6.8	4.4	1.9
HKLR	HY/2011/03	2023-05-31	Mid-Flood	Fine	CS(Mf)5	17:06	12	Bottom	3	2	27.40	7.74	32.42	101.80	6.9	4.2	2.5


DO Concentrations at Station IS5 (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
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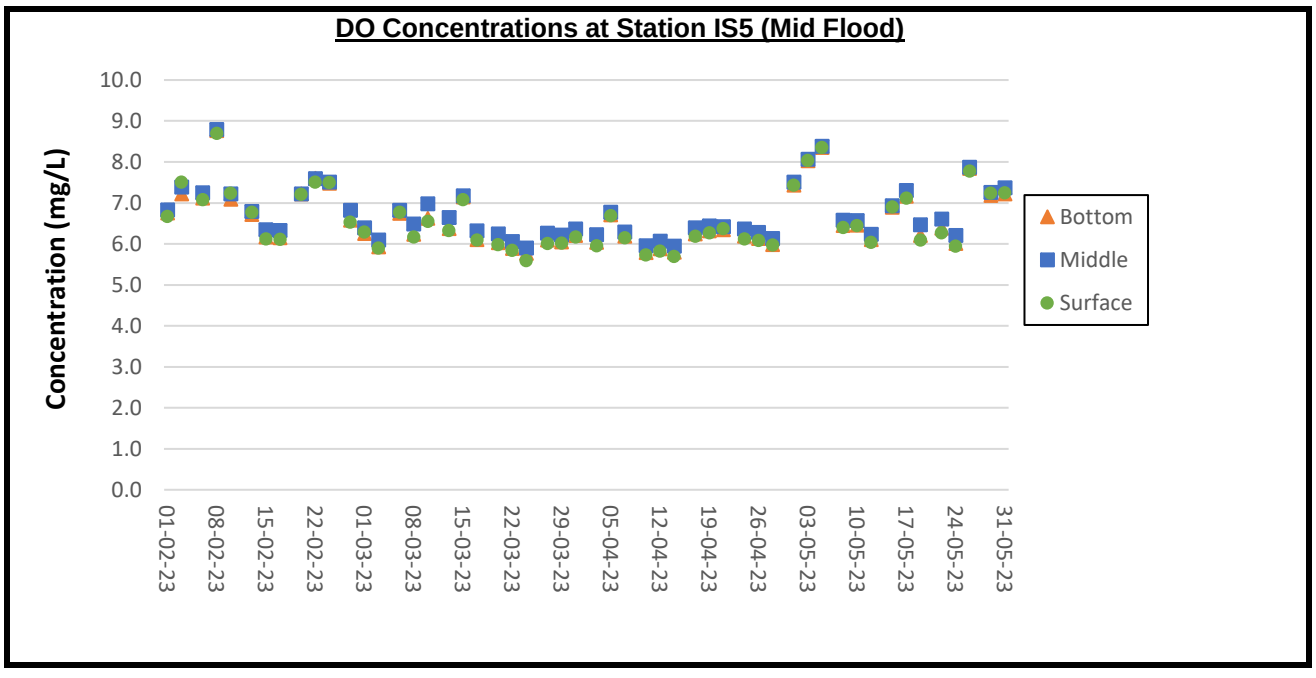
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


DO Concentrations at Station IS5 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
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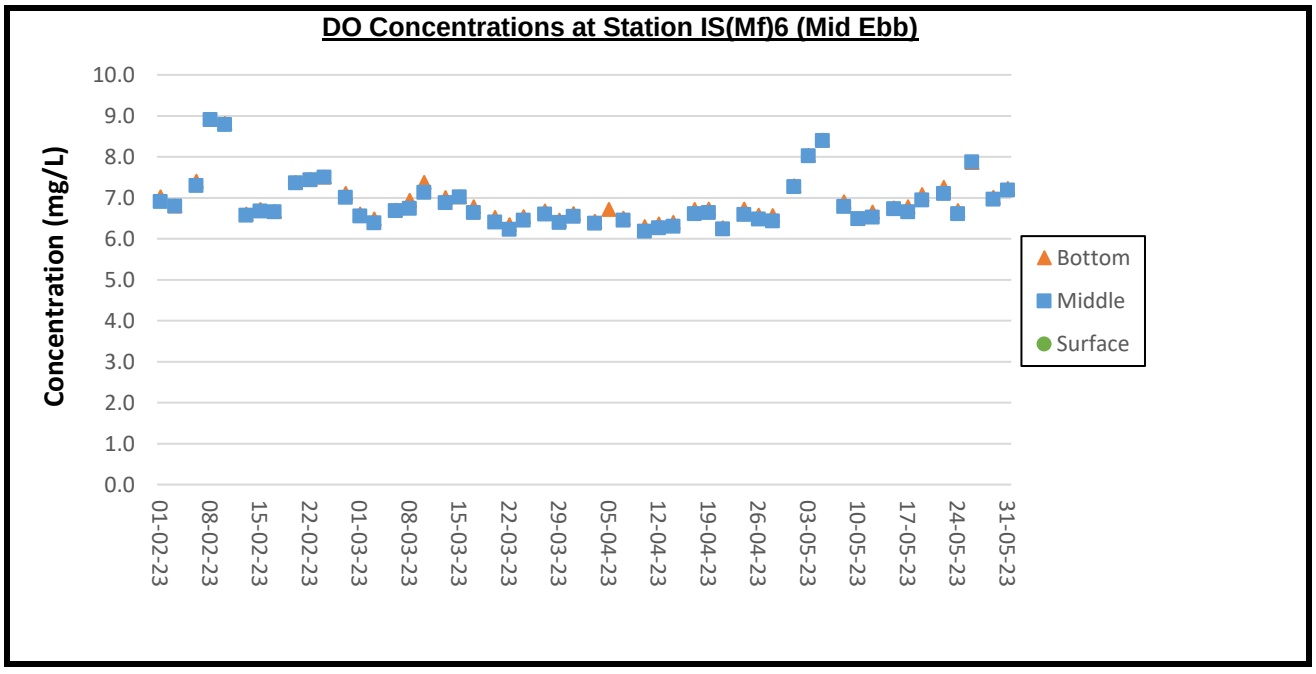
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


DO Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
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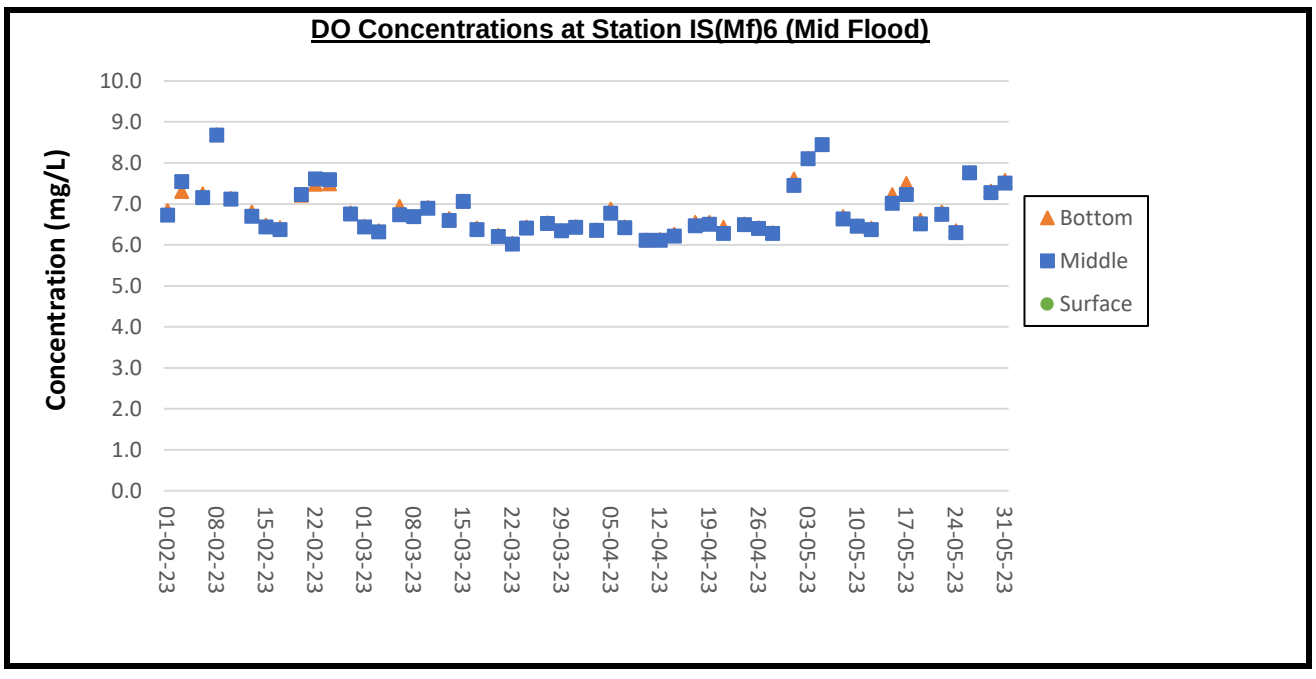
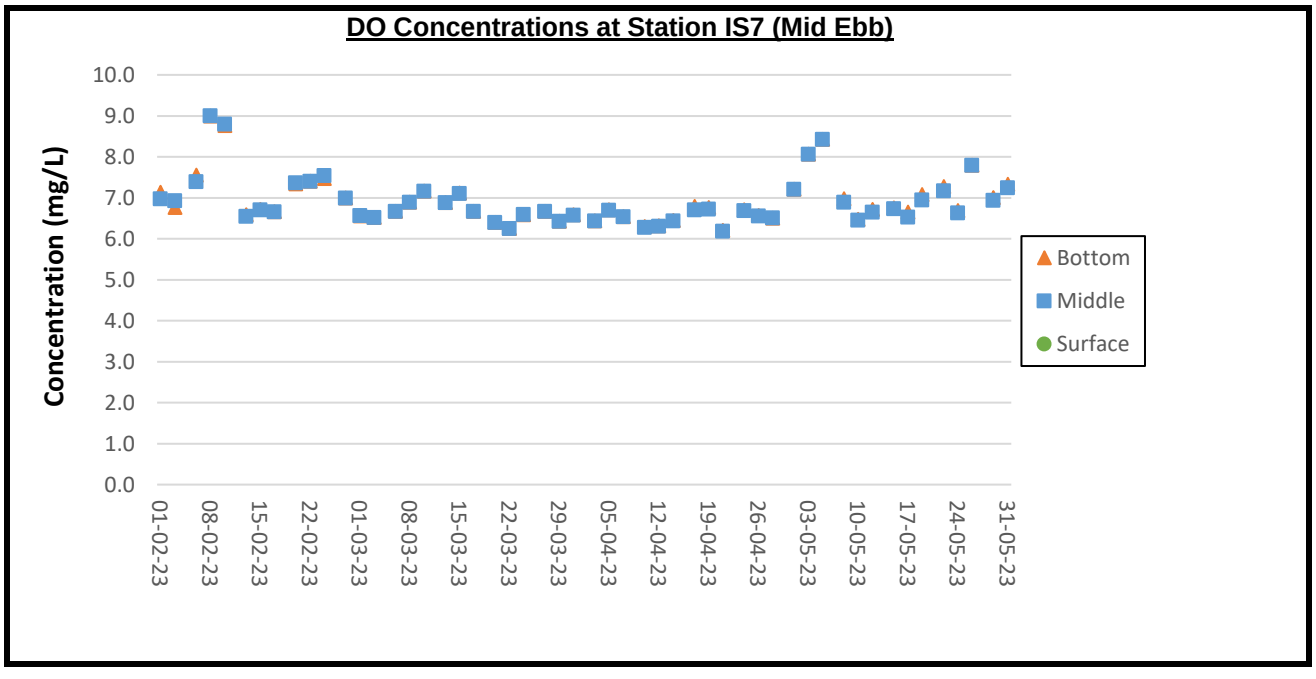
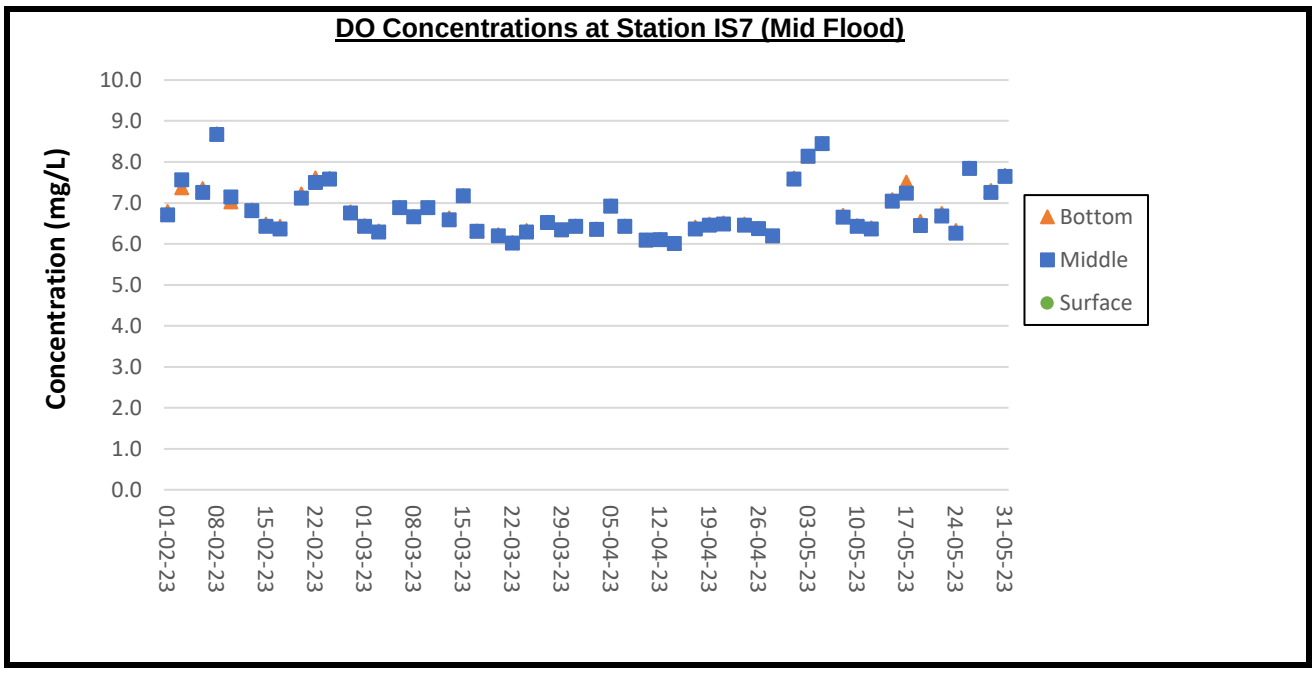
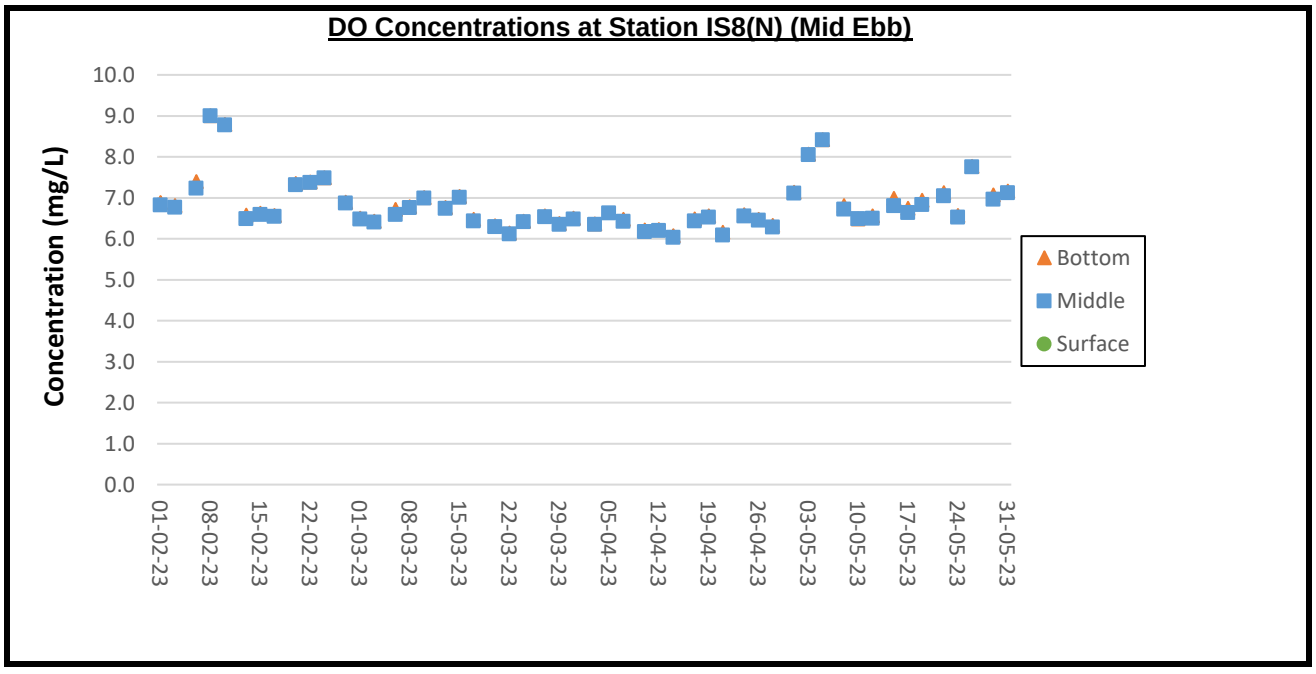
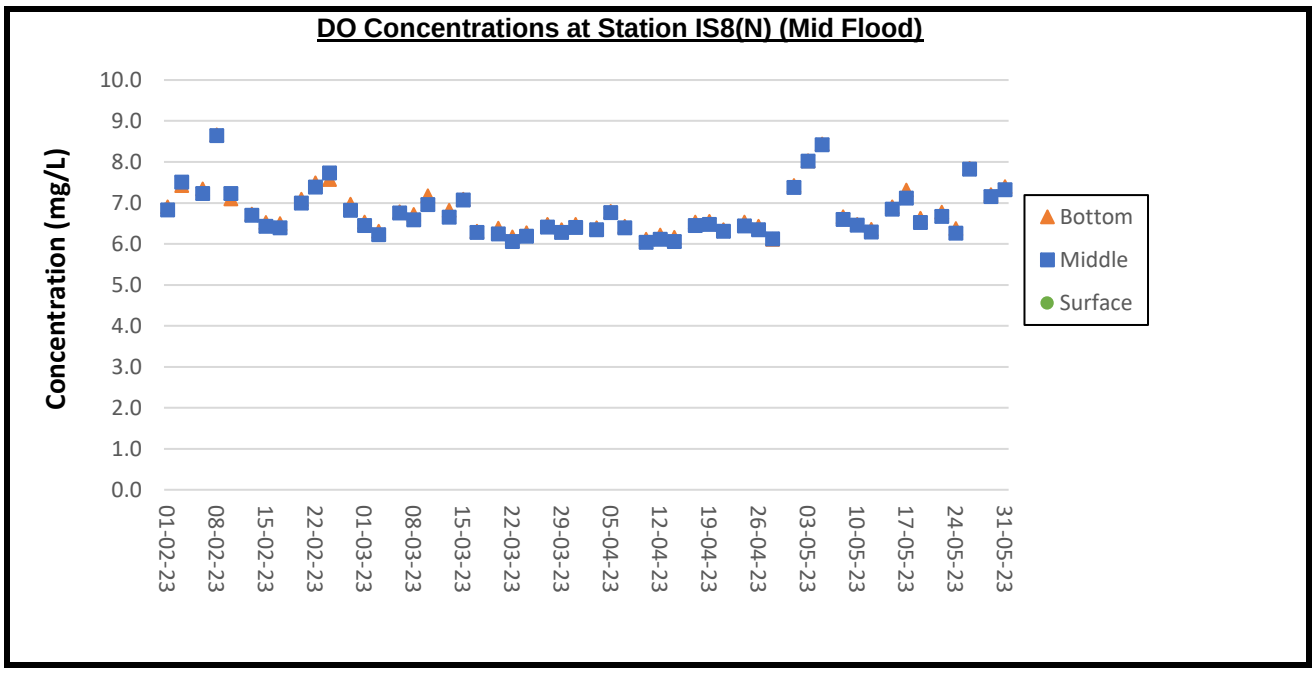
24-05-23
31-05-23
Bottom
Middle
Surface

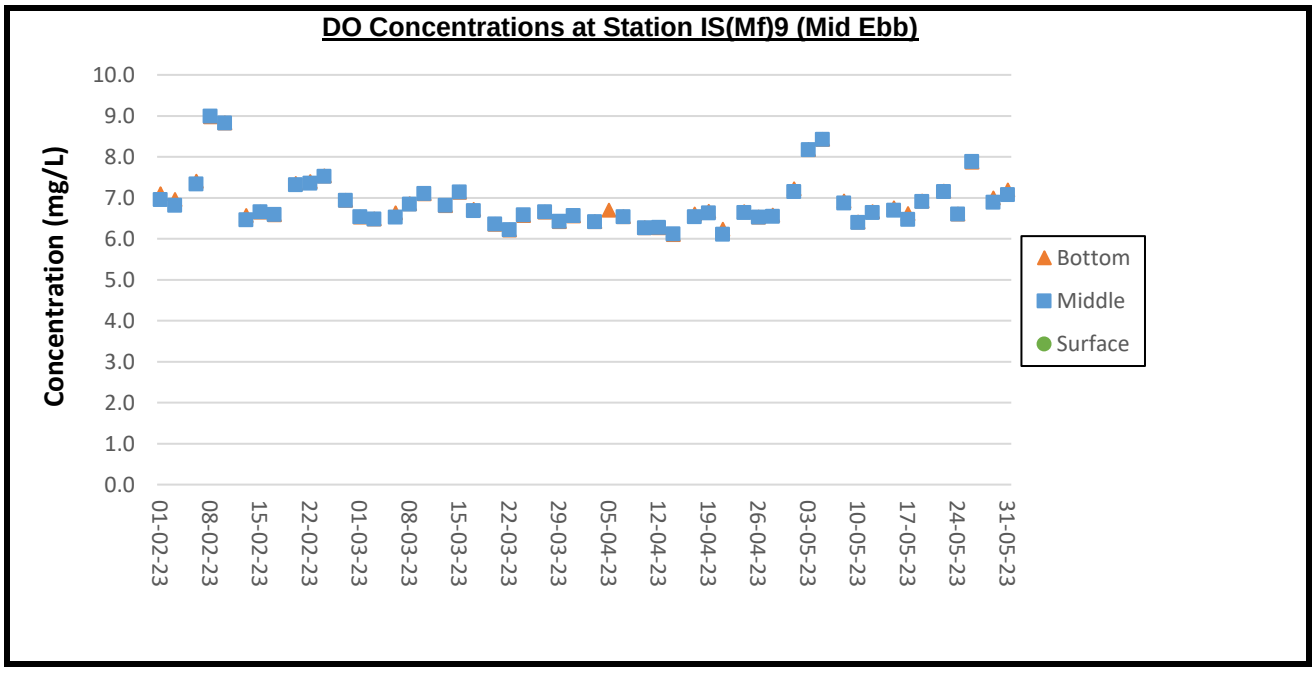

DO Concentrations at Station IS(Mf)6 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

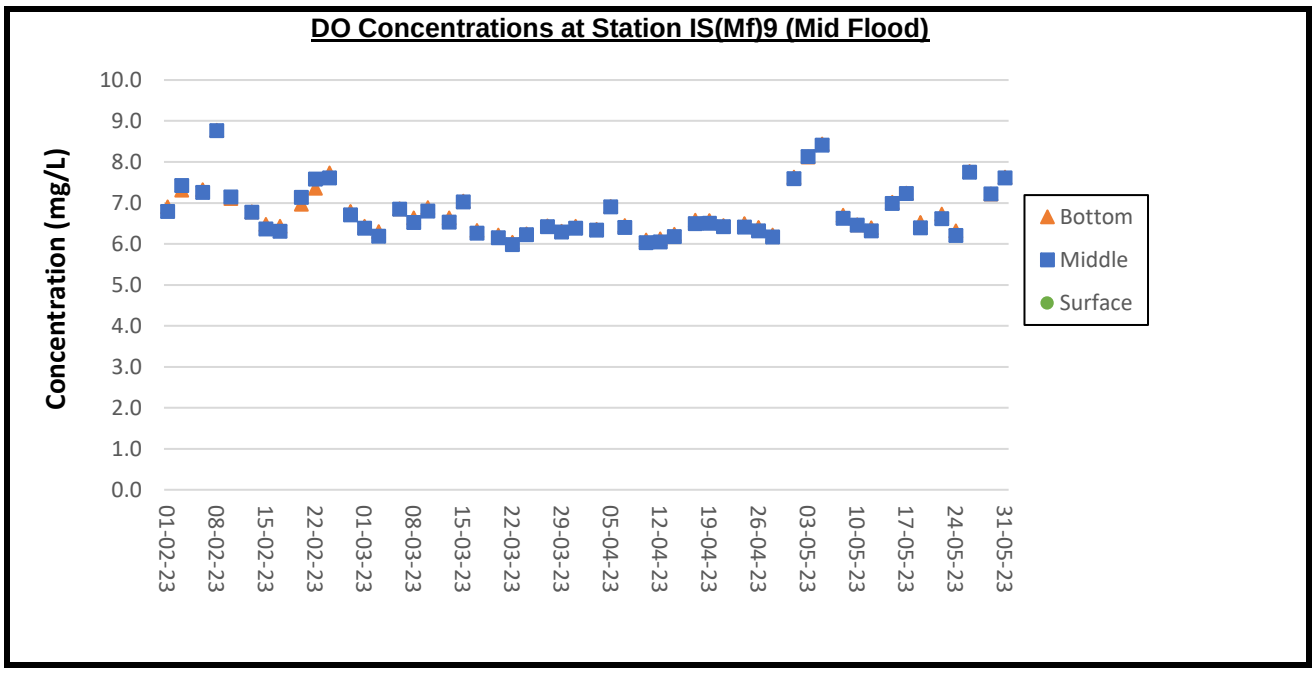

DO Concentrations at Station IS7 (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

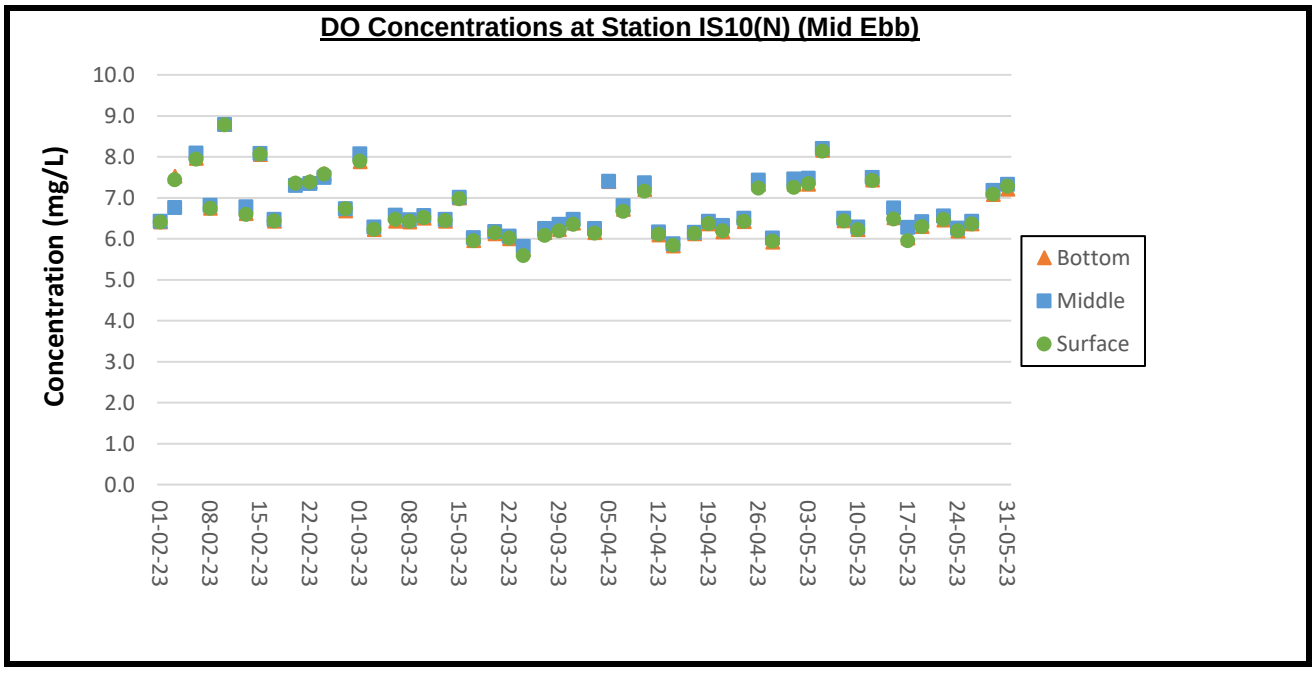

DO Concentrations at Station IS7 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

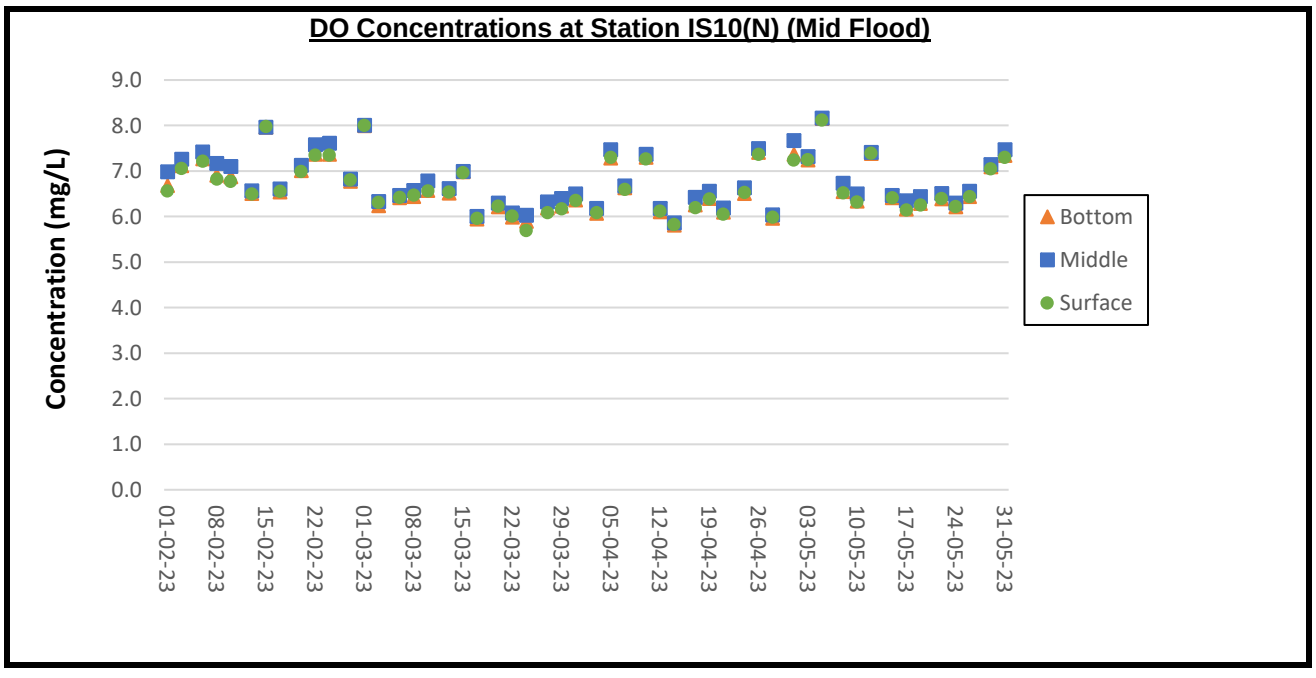

DO Concentrations at Station IS8(N) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

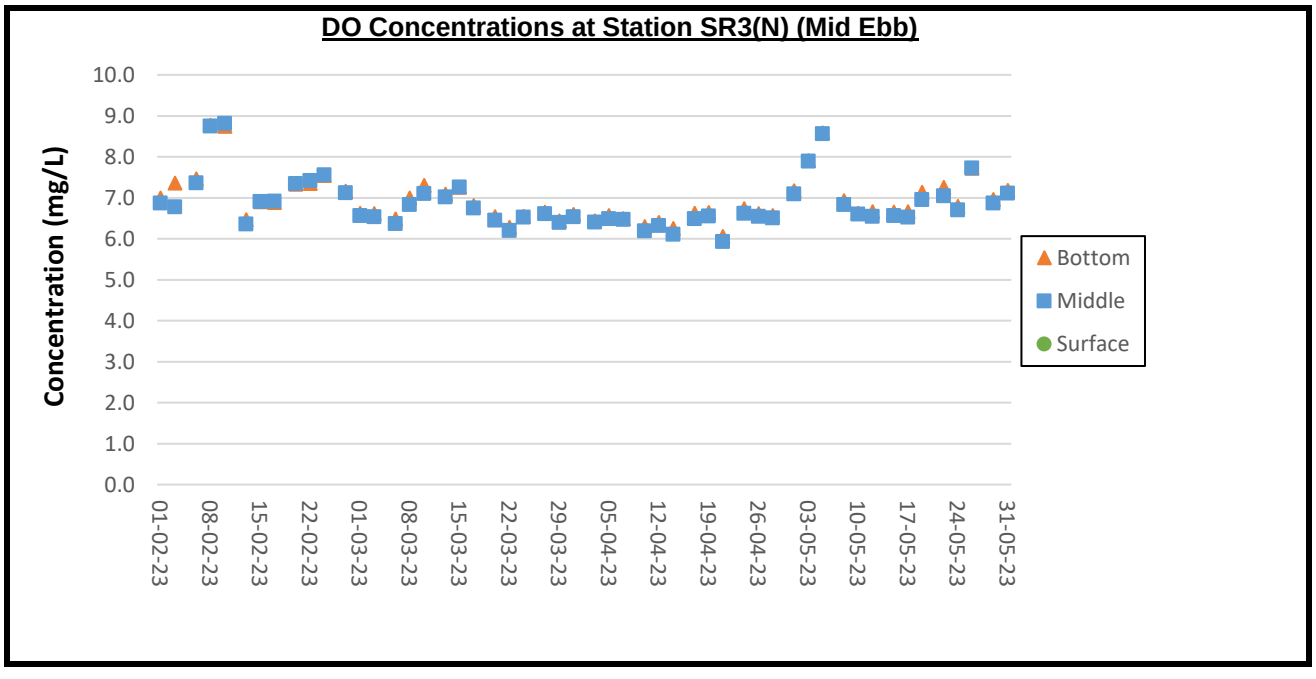

DO Concentrations at Station IS8(N) (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

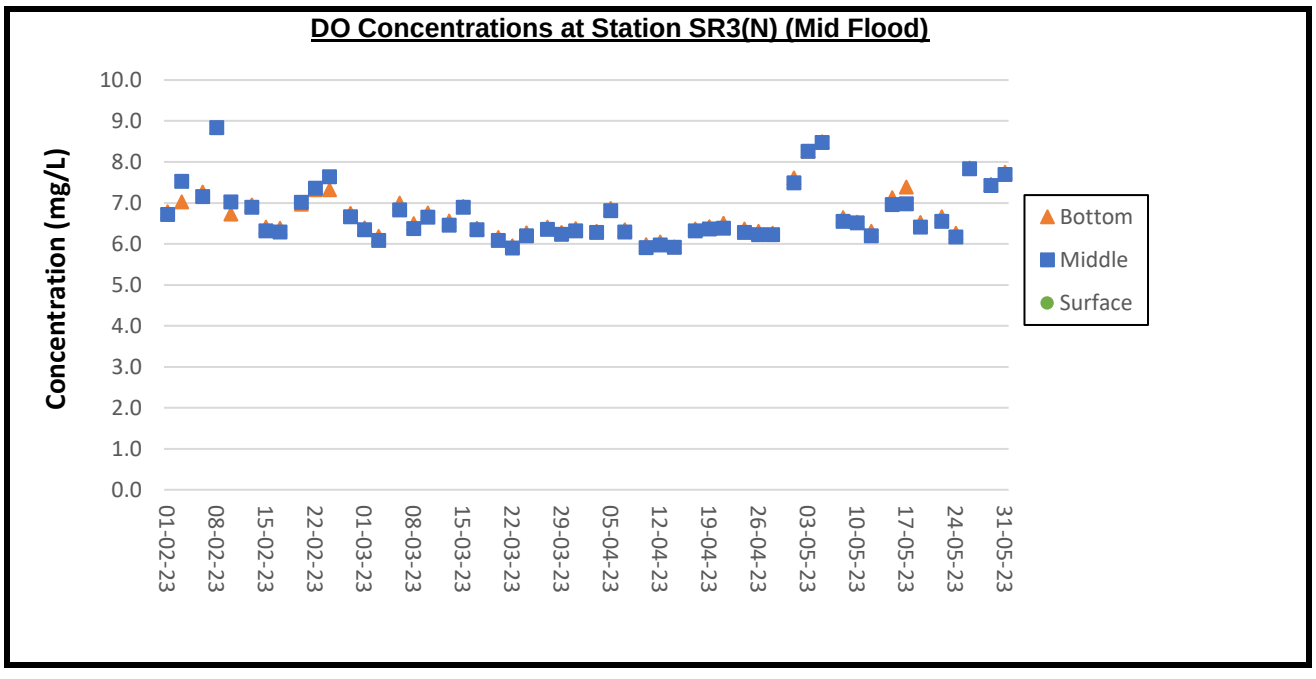

DO Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

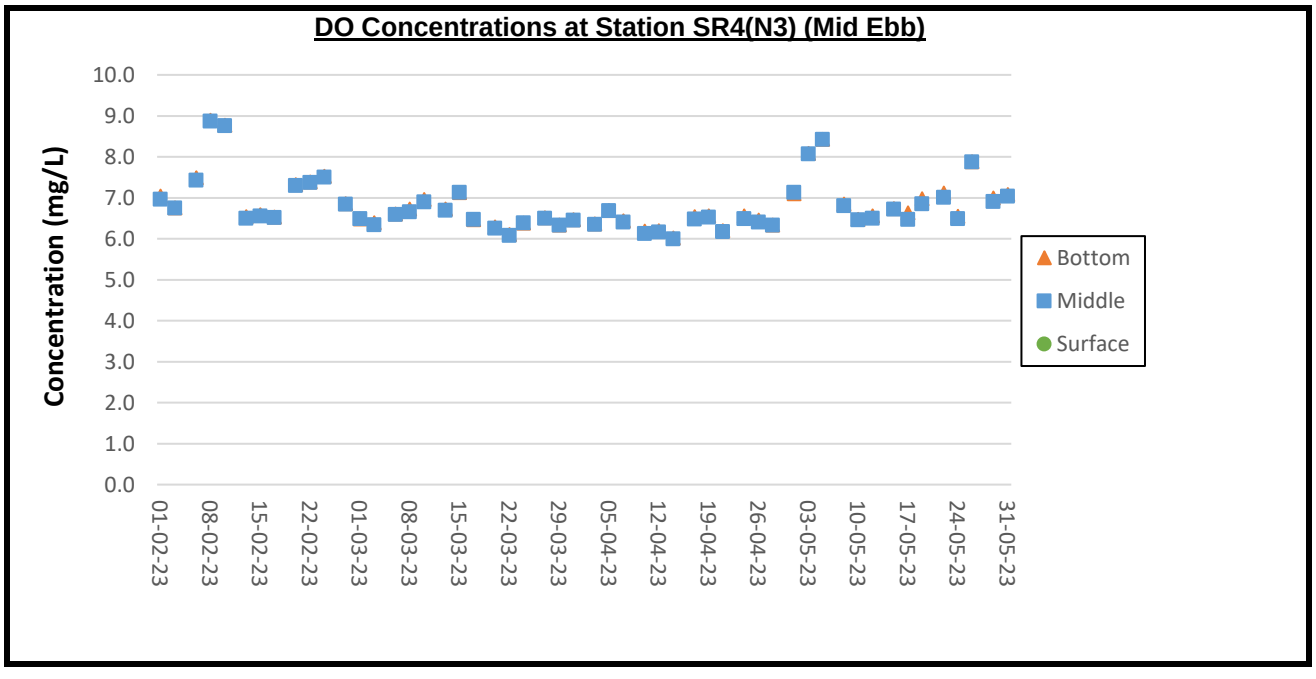

DO Concentrations at Station IS(Mf)9 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

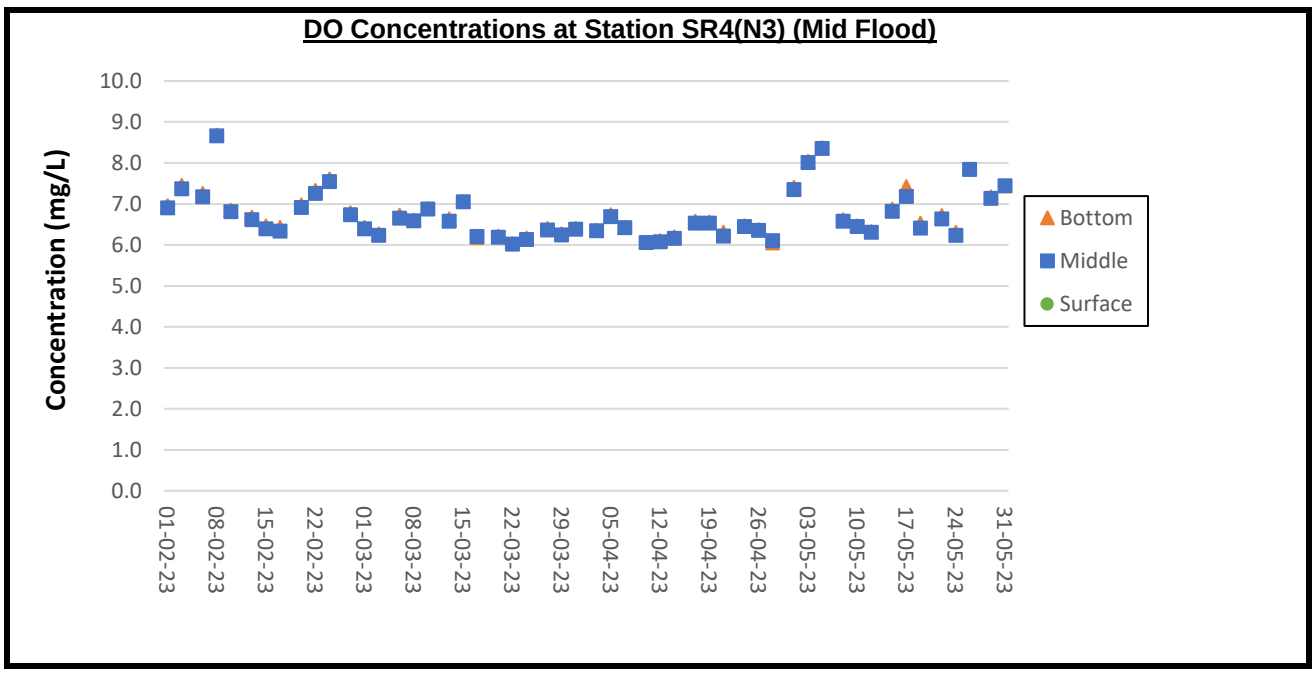

DO Concentrations at Station IS10(N) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

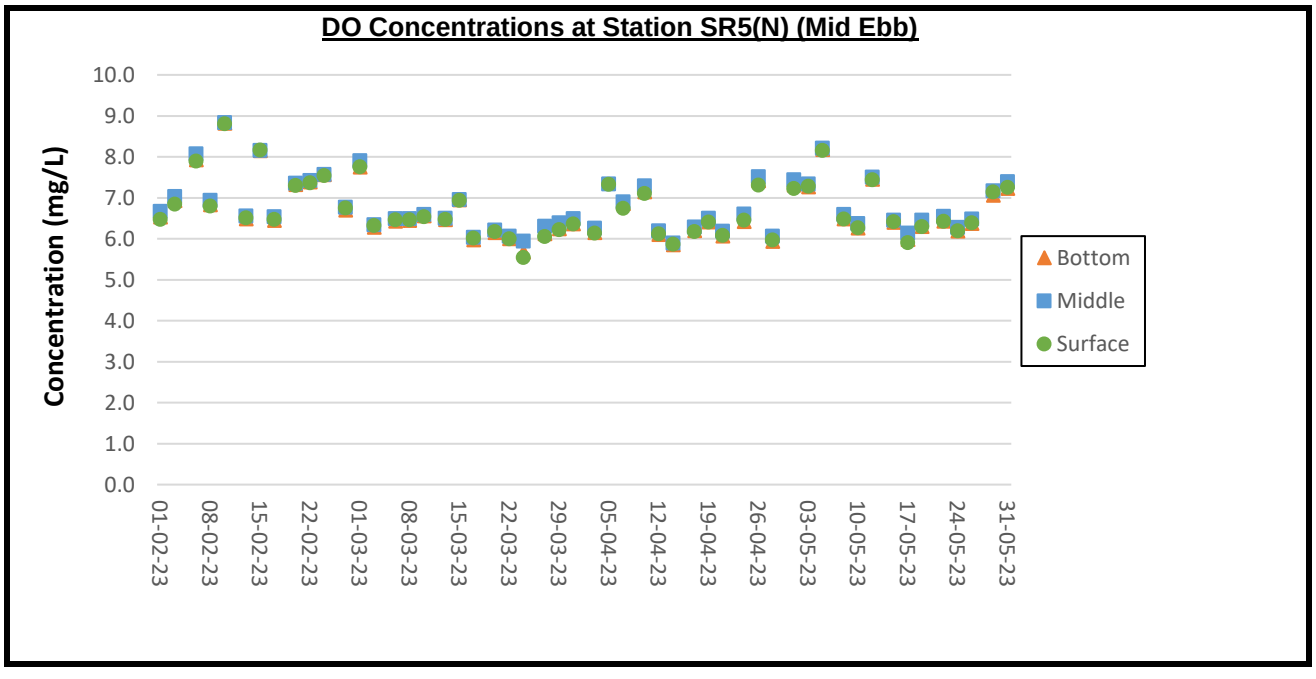

DO Concentrations at Station IS10(N) (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

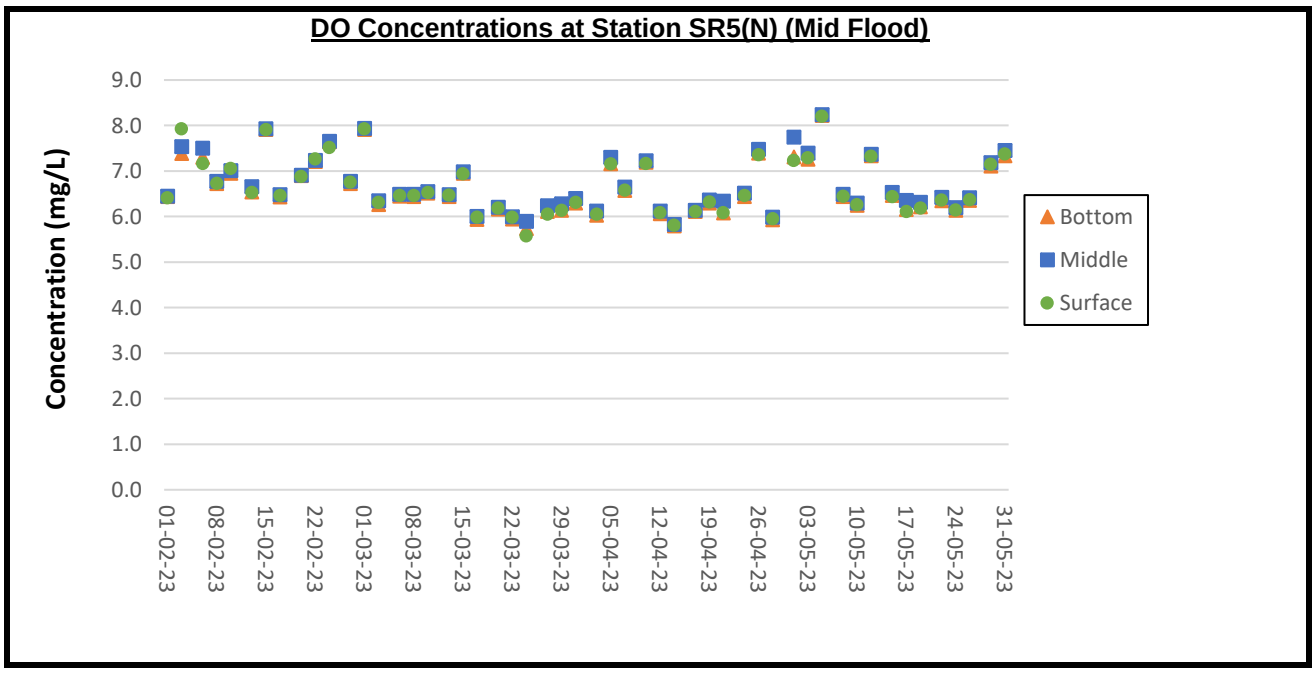

DO Concentrations at Station SR3(N) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

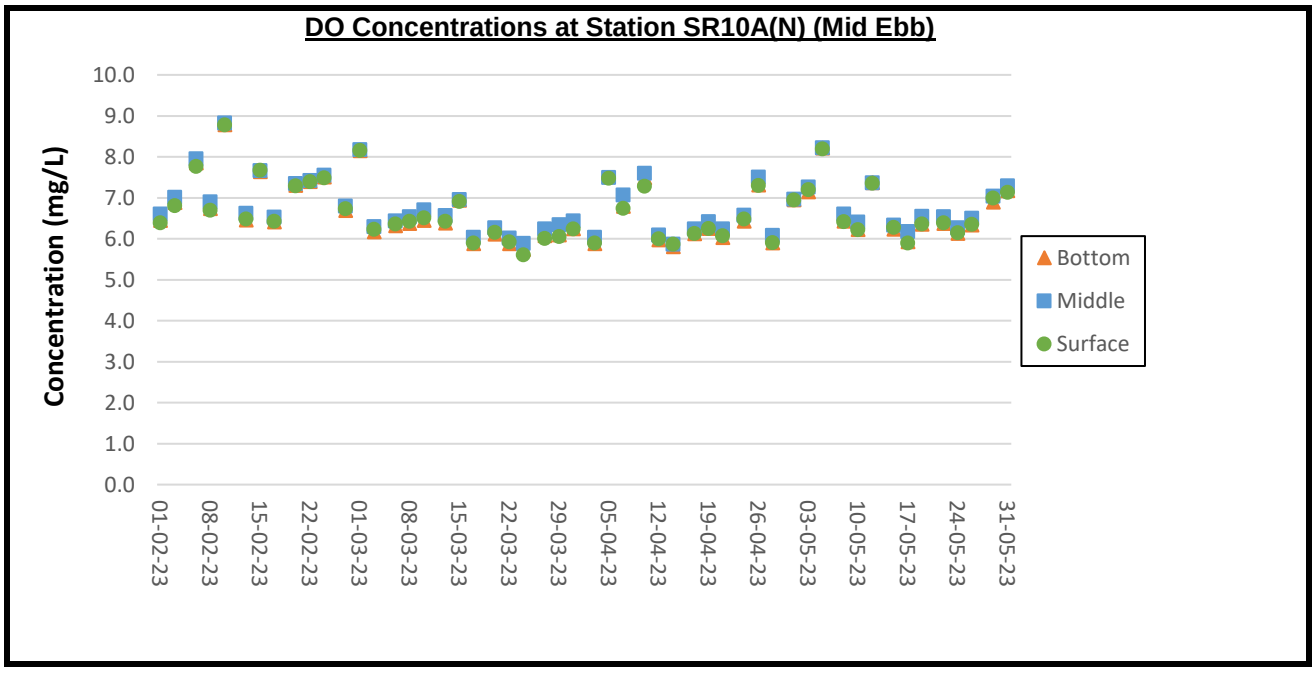

DO Concentrations at Station SR3(N) (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

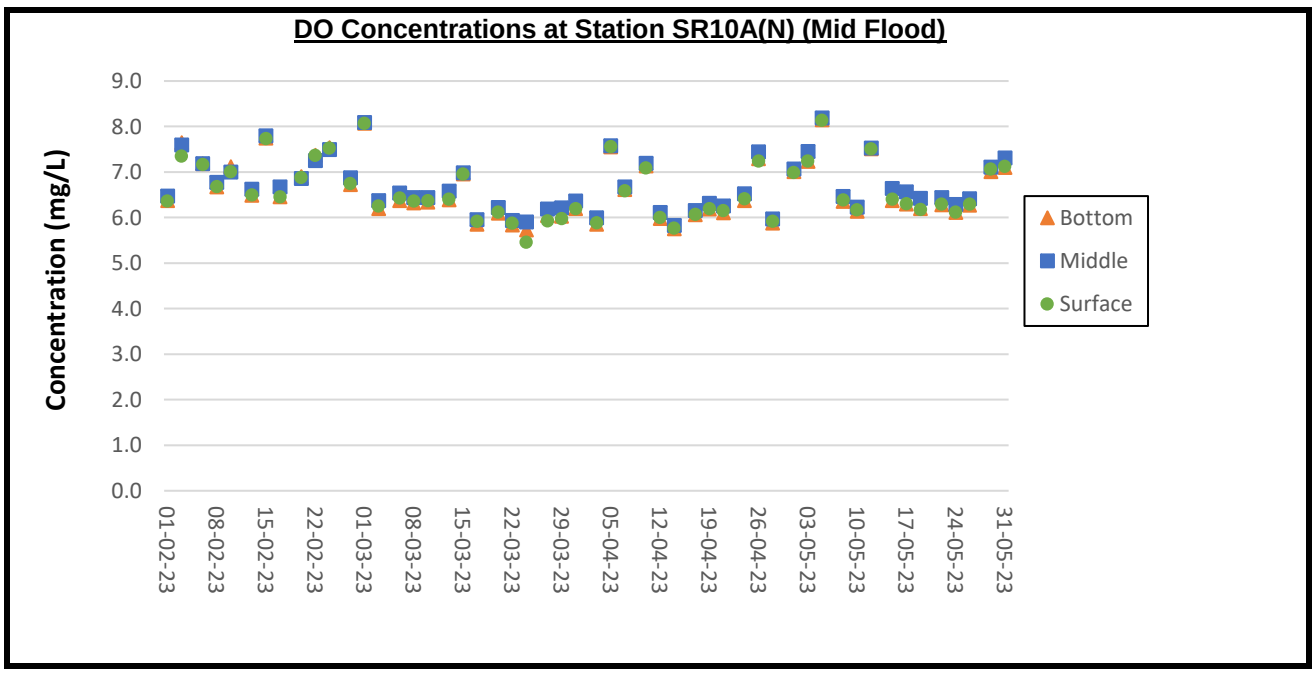

DO Concentrations at Station SR4(N3) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

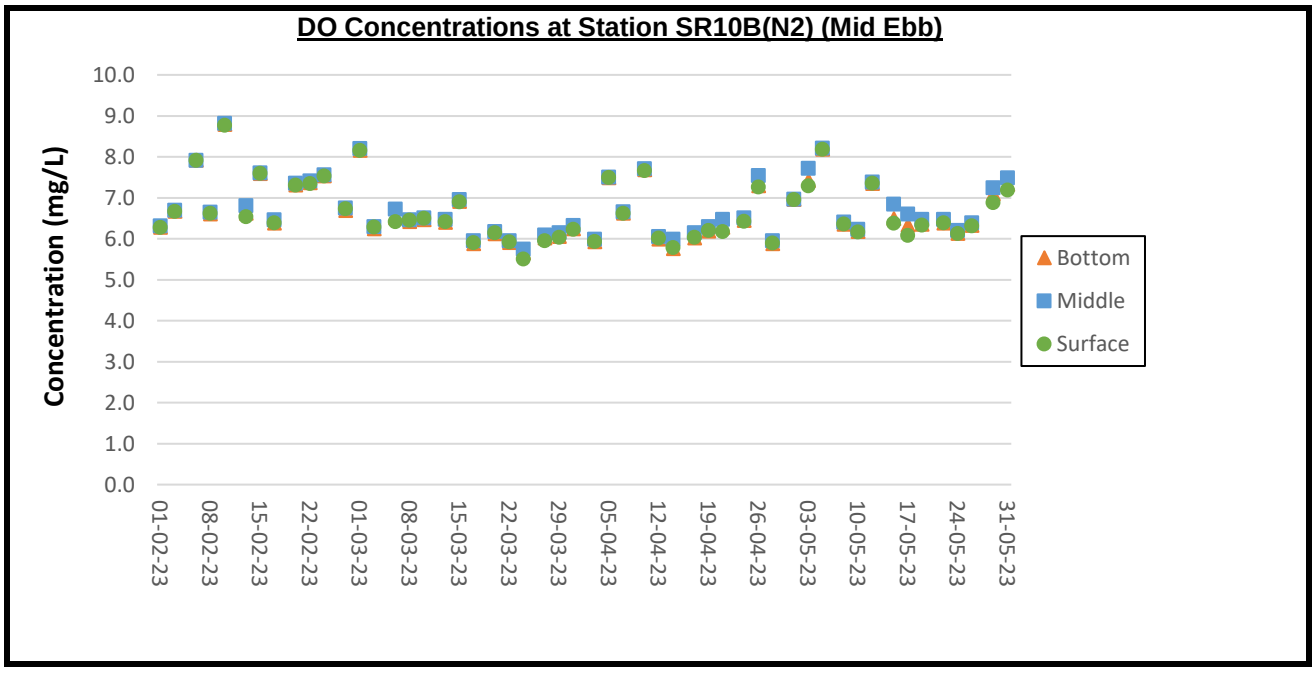

DO Concentrations at Station SR4(N3) (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

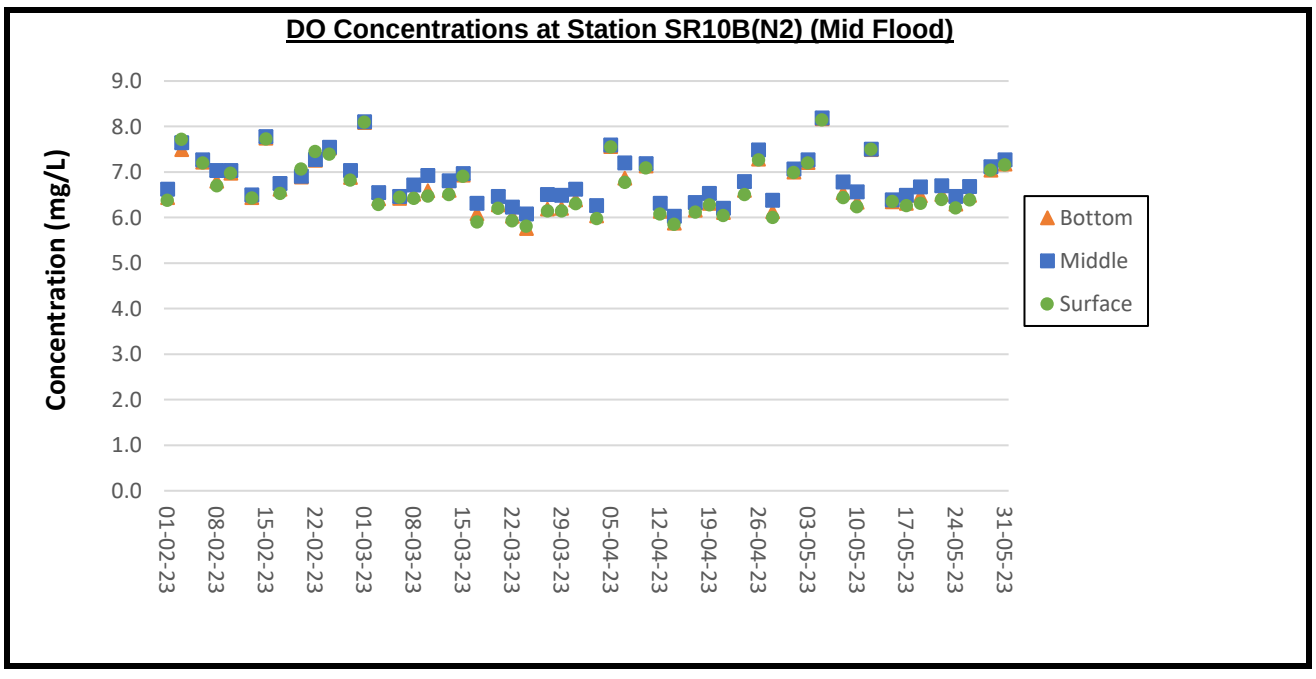

DO Concentrations at Station SR5(N) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

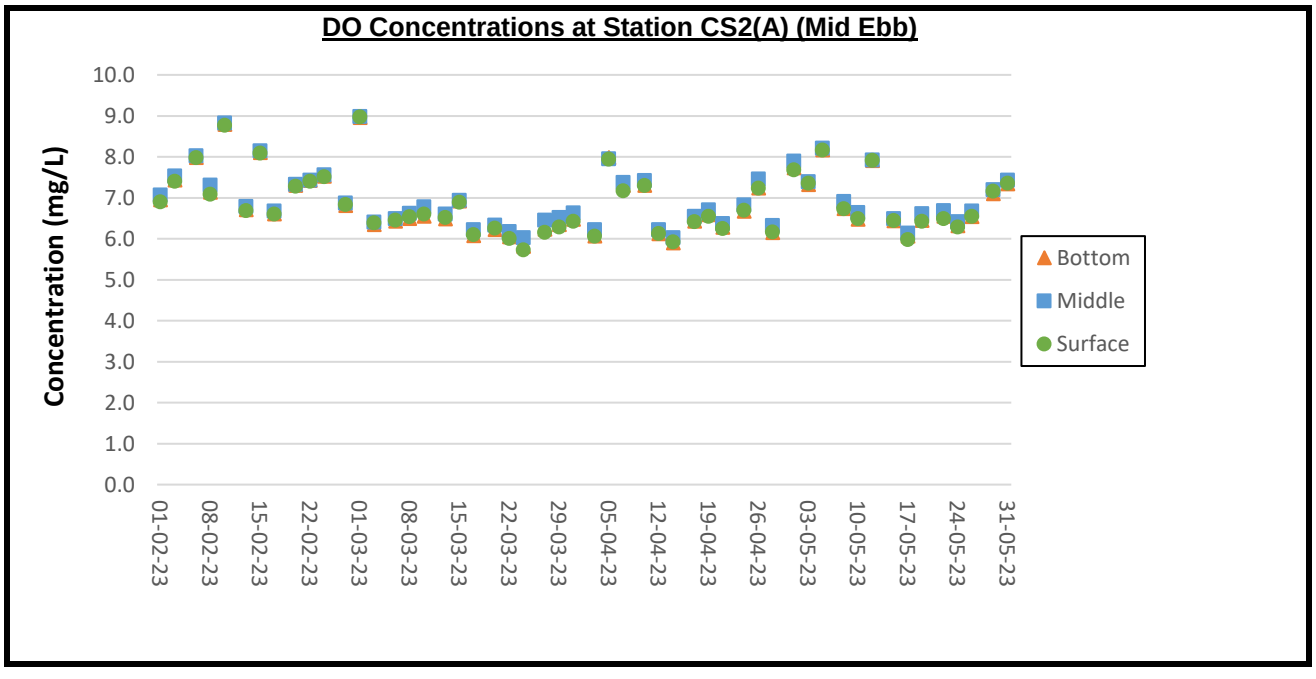

DO Concentrations at Station SR5(N) (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

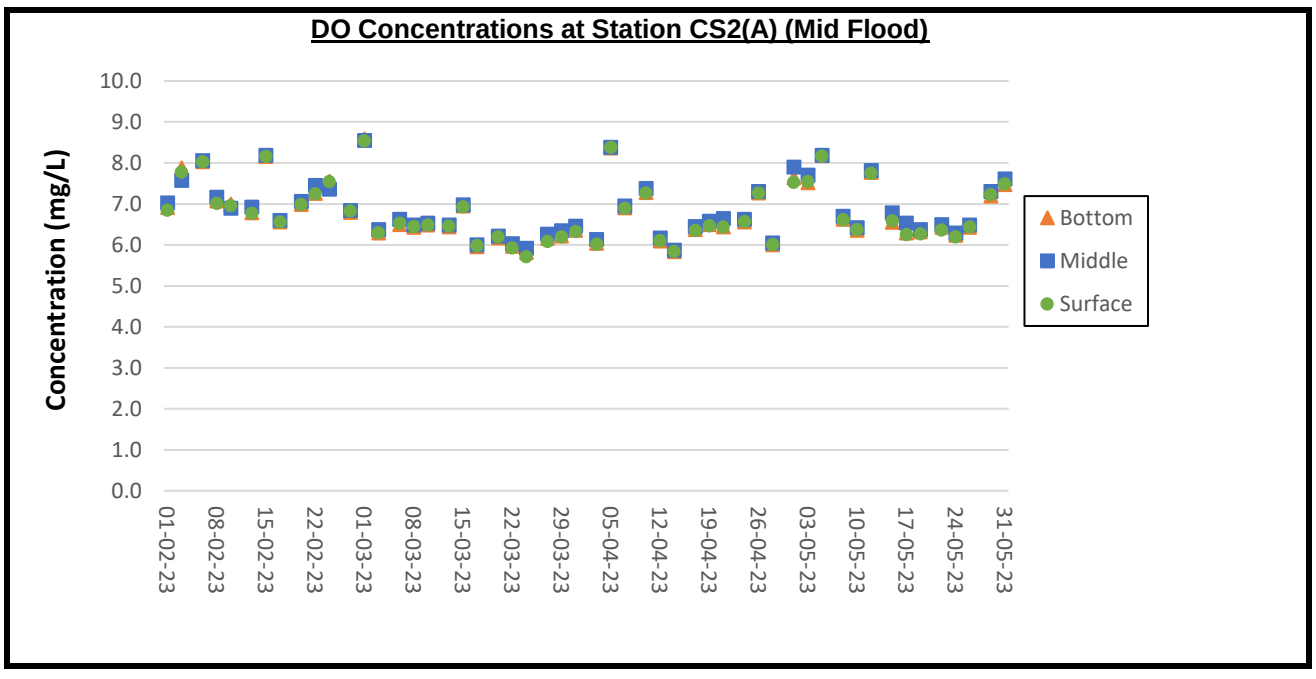

DO Concentrations at Station SR10A(N) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

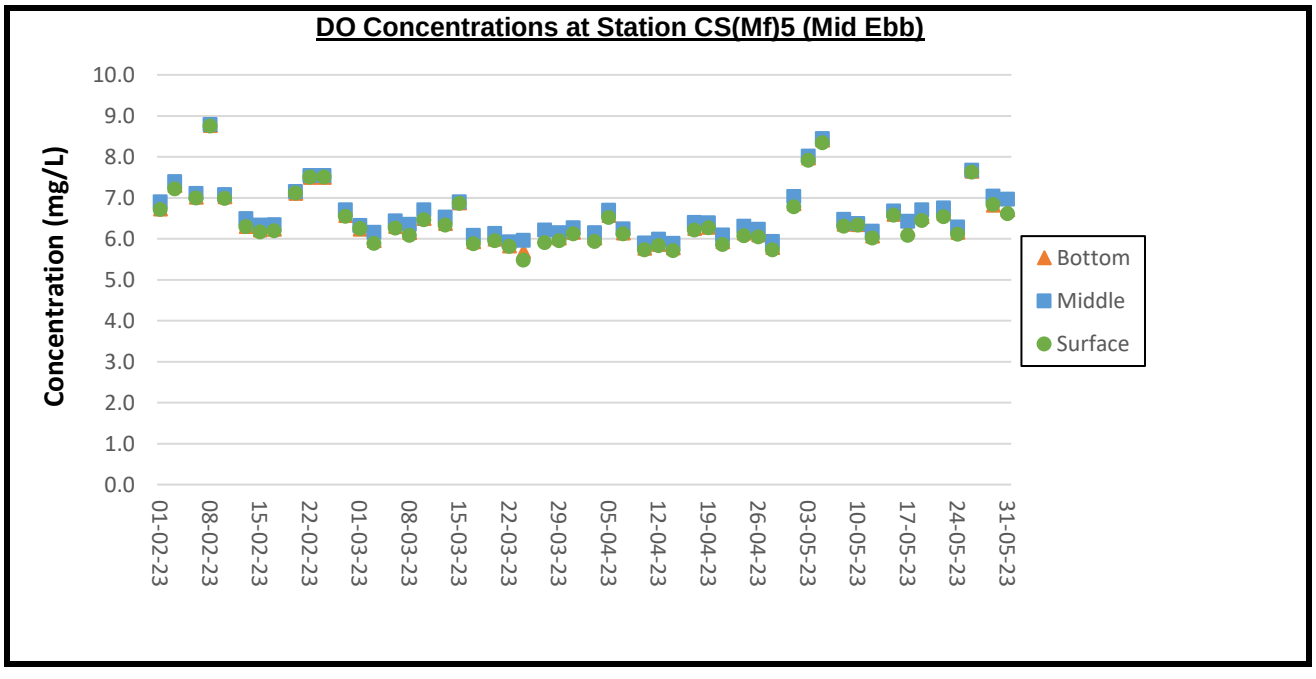

DO Concentrations at Station SR10A(N) (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

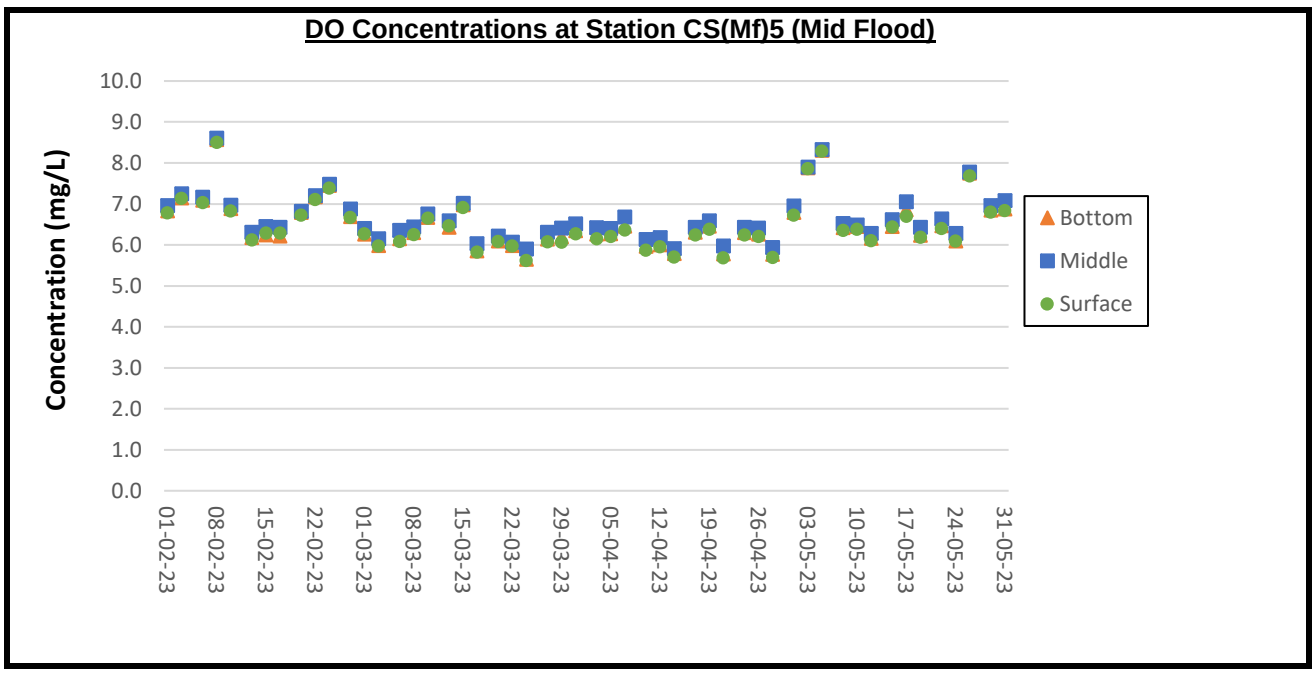

DO Concentrations at Station SR10B(N2) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

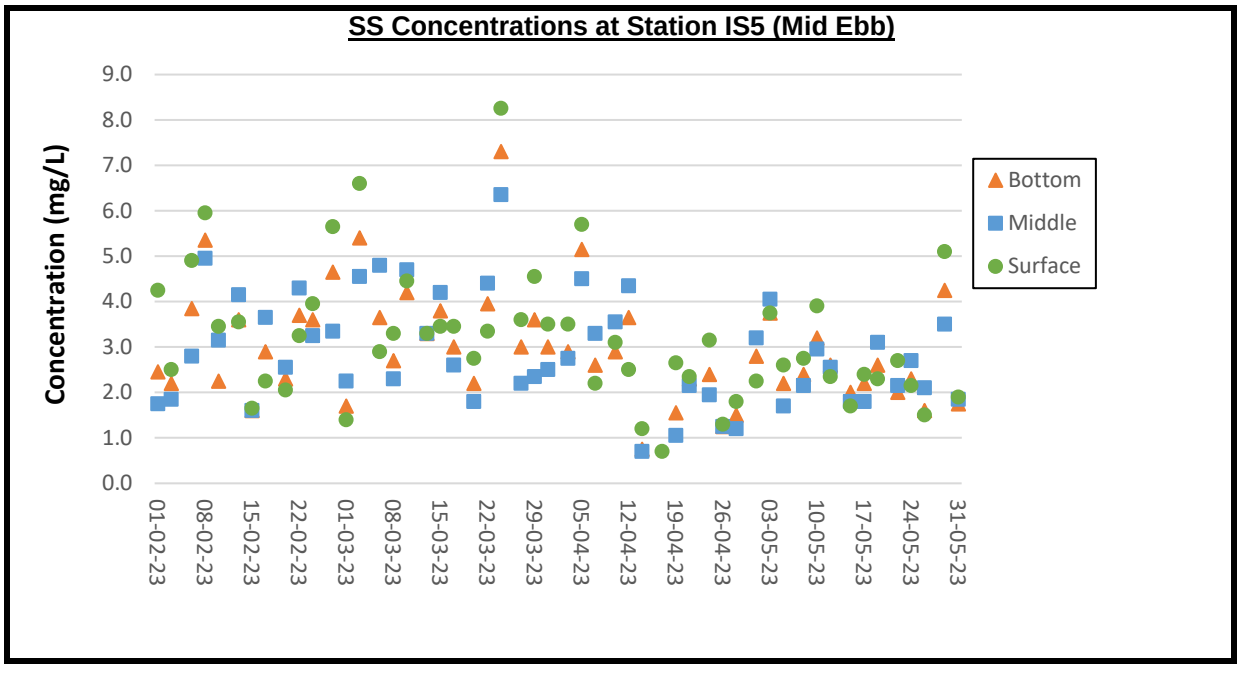

DO Concentrations at Station SR10B(N2) (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

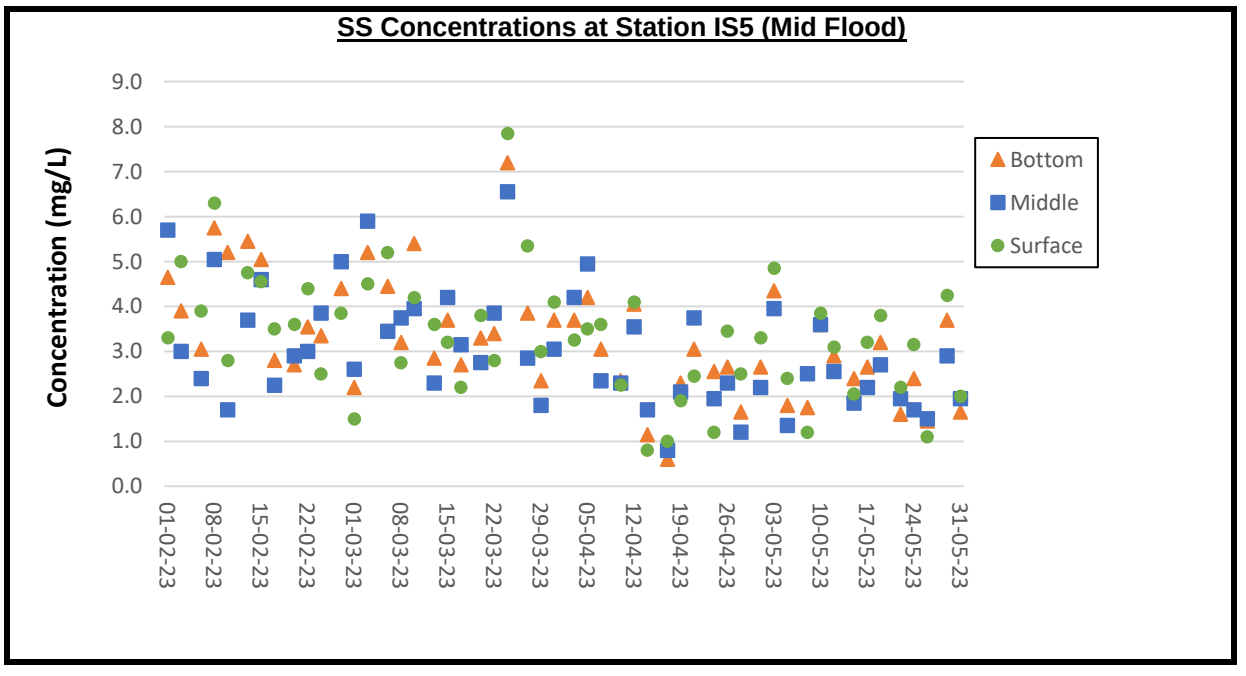

DO Concentrations at Station CS2(A) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

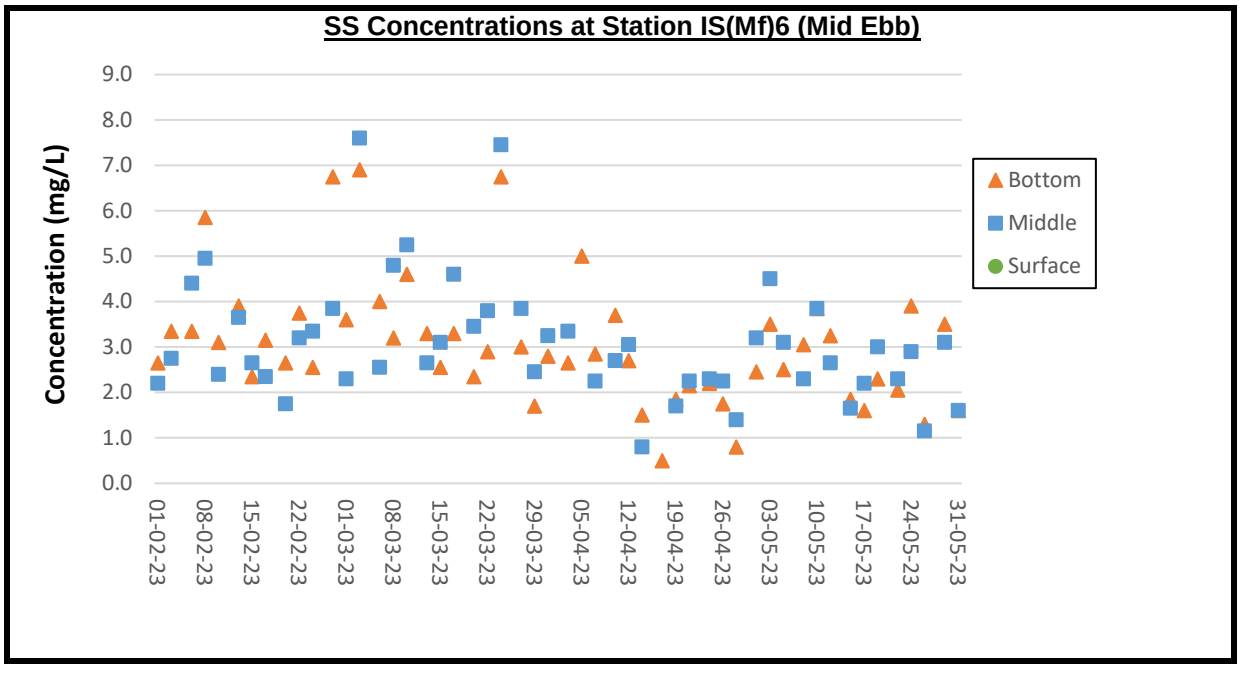

DO Concentrations at Station CS2(A) (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

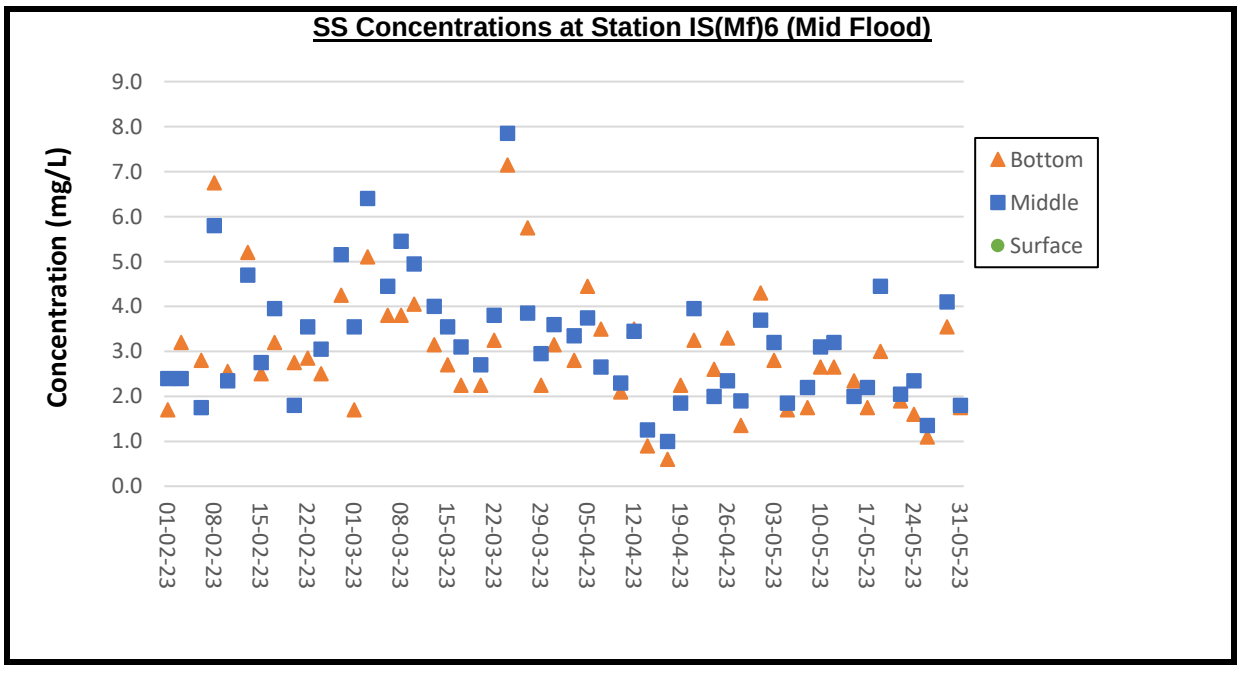

DO Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

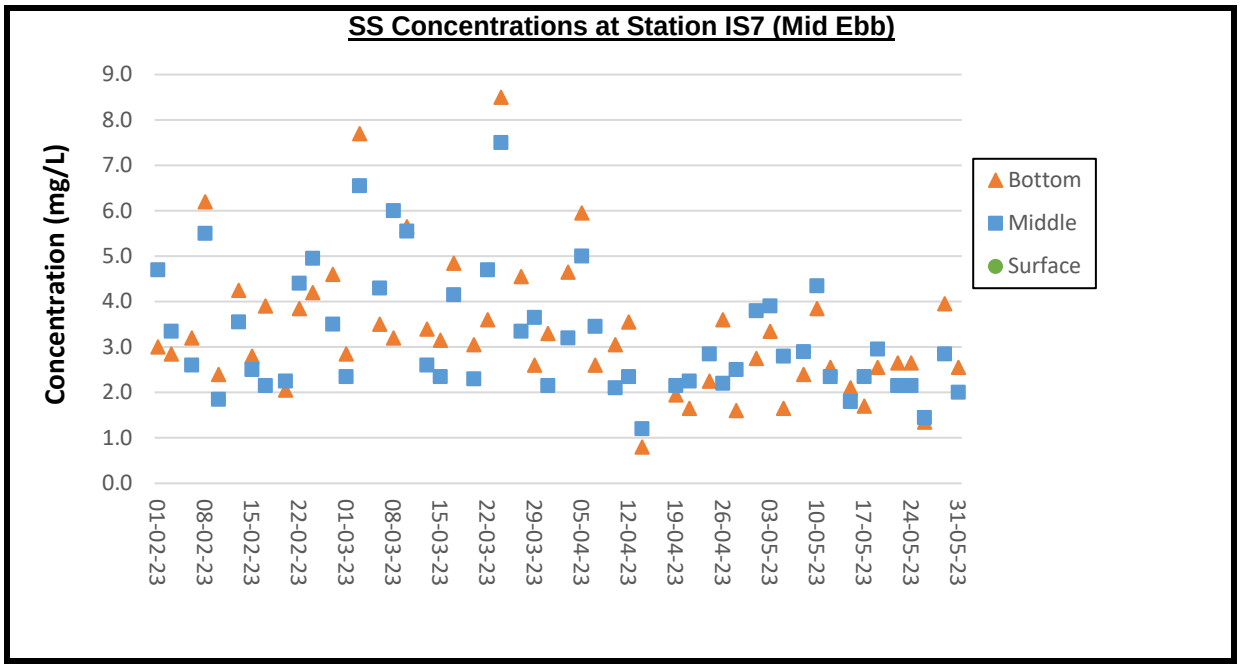

DO Concentrations at Station CS(Mf)5 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

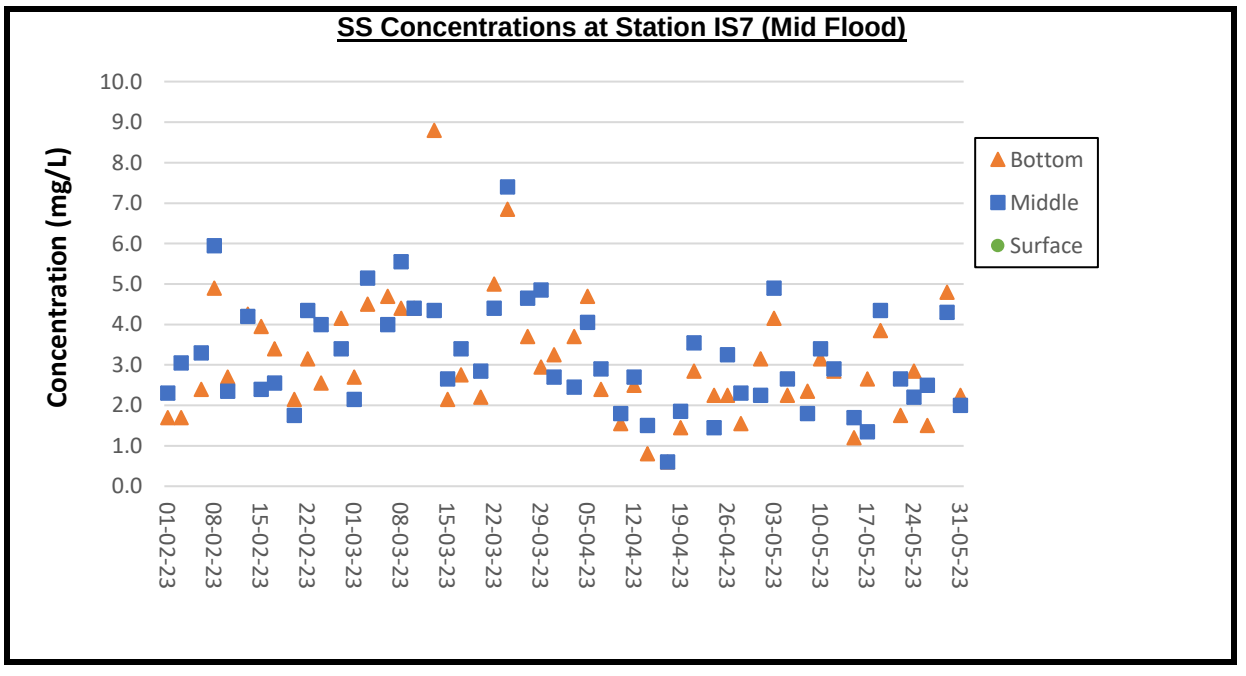

SS Concentrations at Station IS5 (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

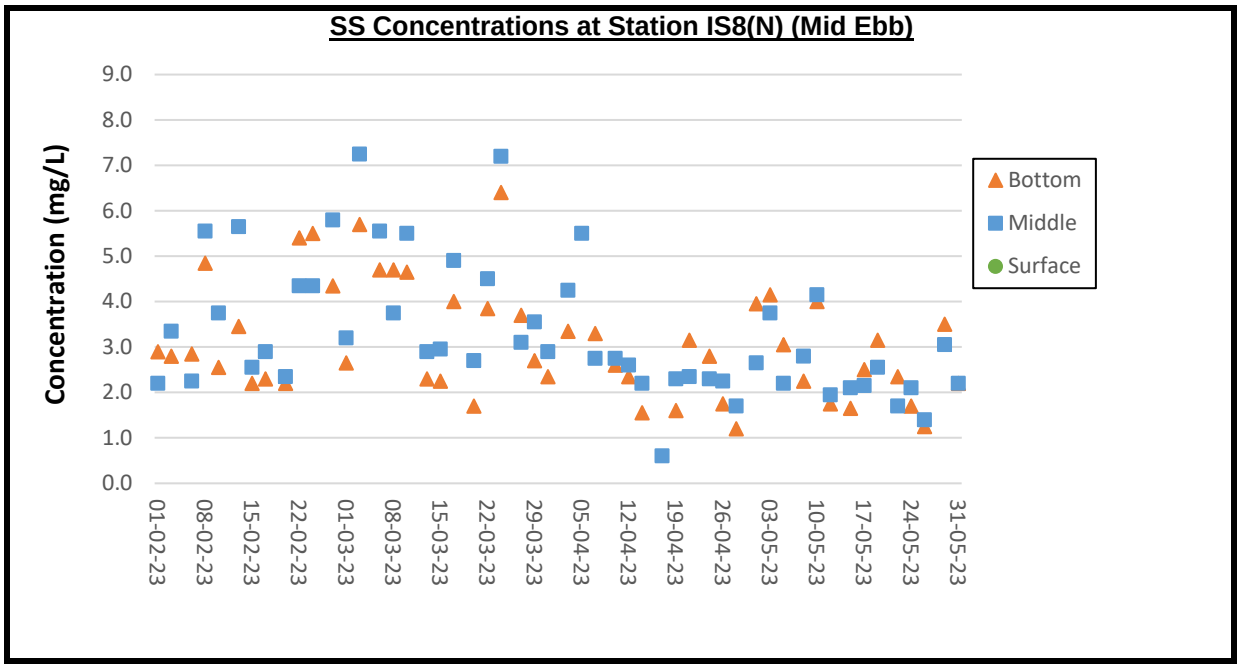

SS Concentrations at Station IS5 (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

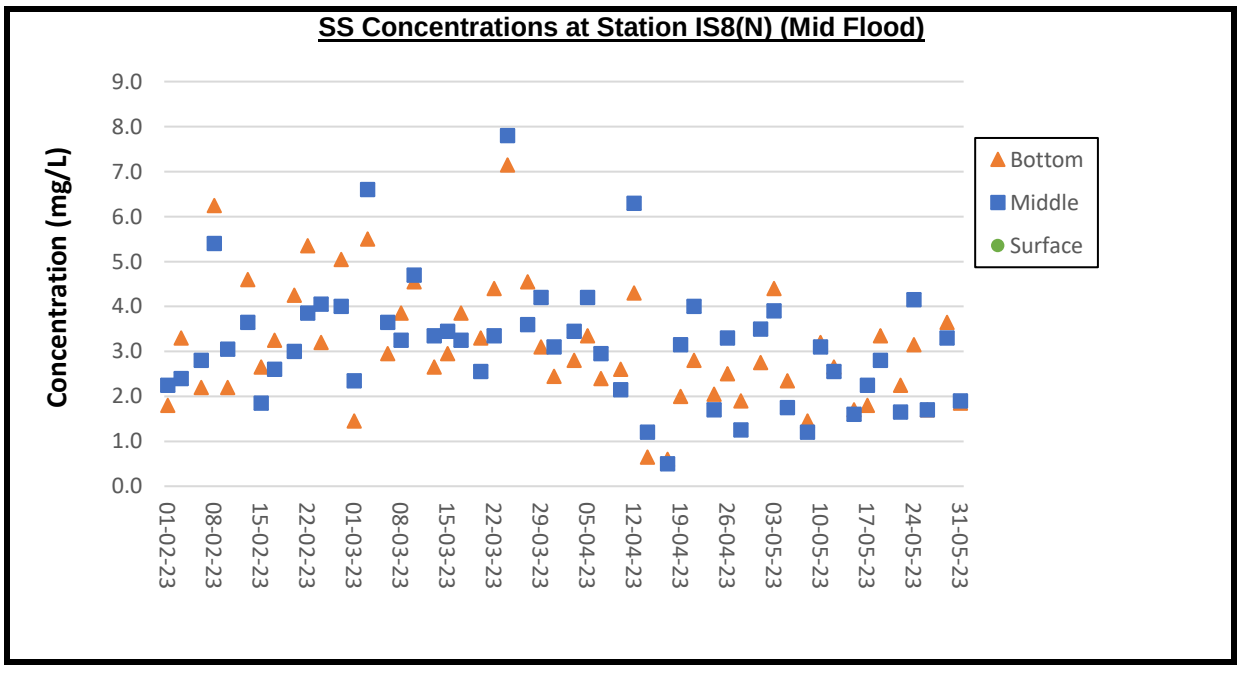

SS Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

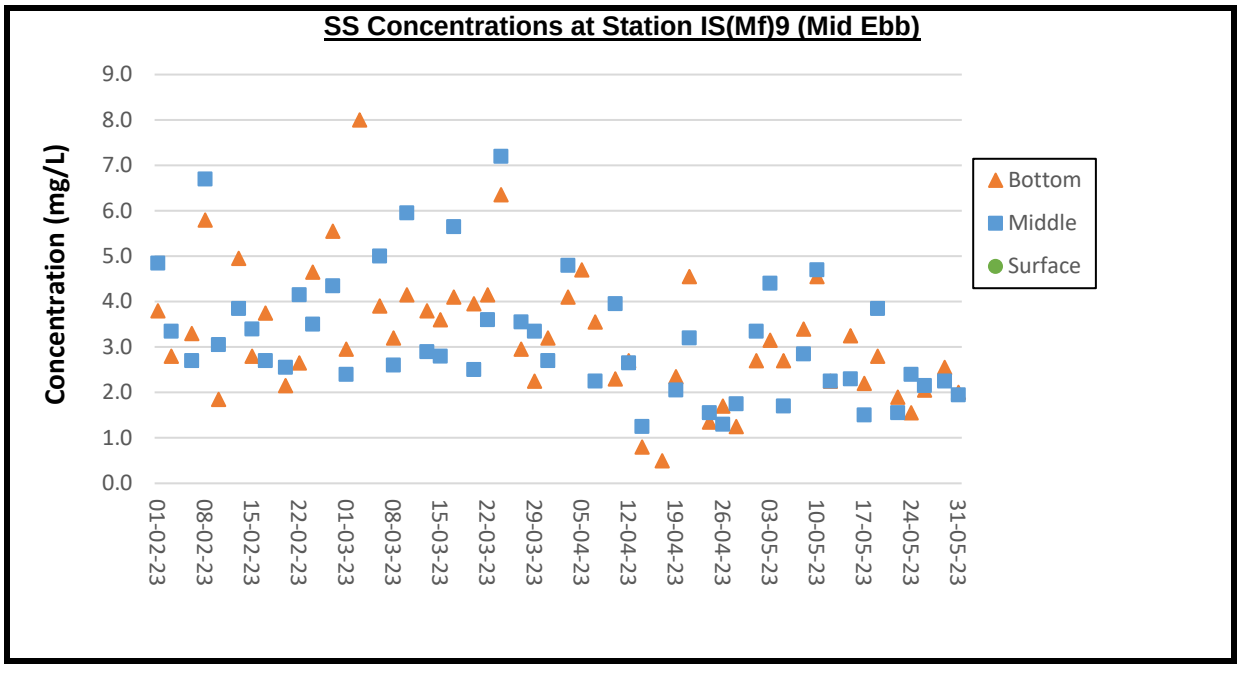

SS Concentrations at Station IS(Mf)6 (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

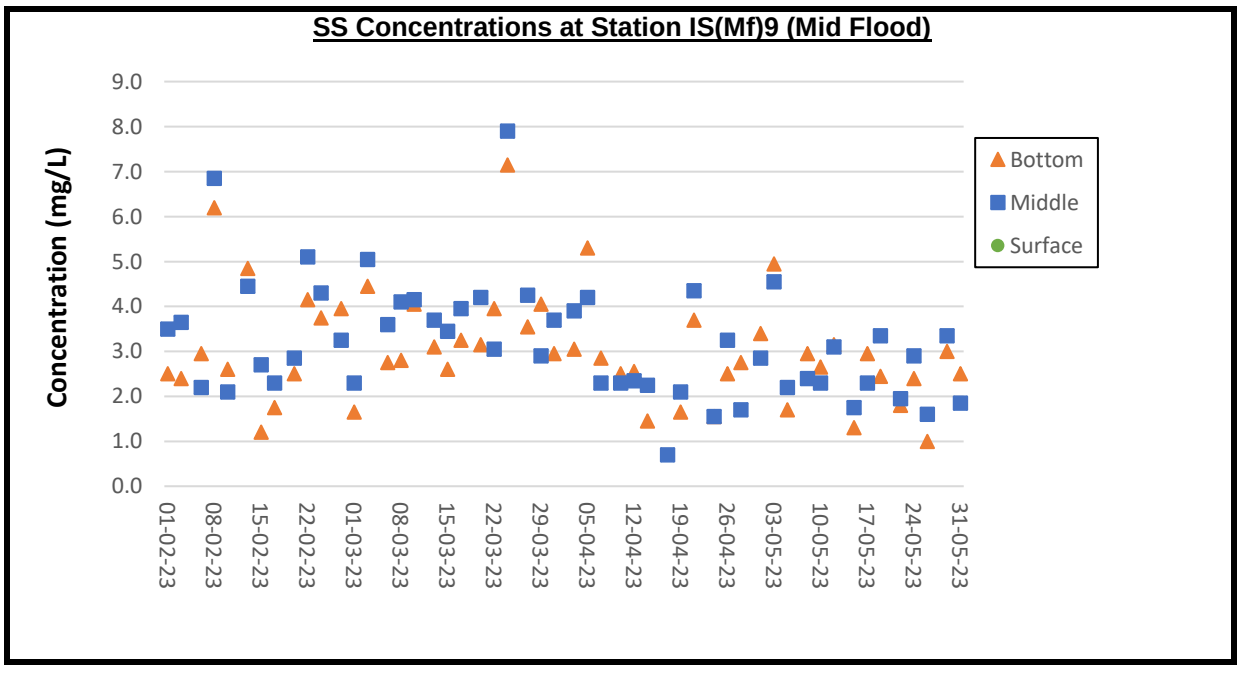

SS Concentrations at Station IS7 (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

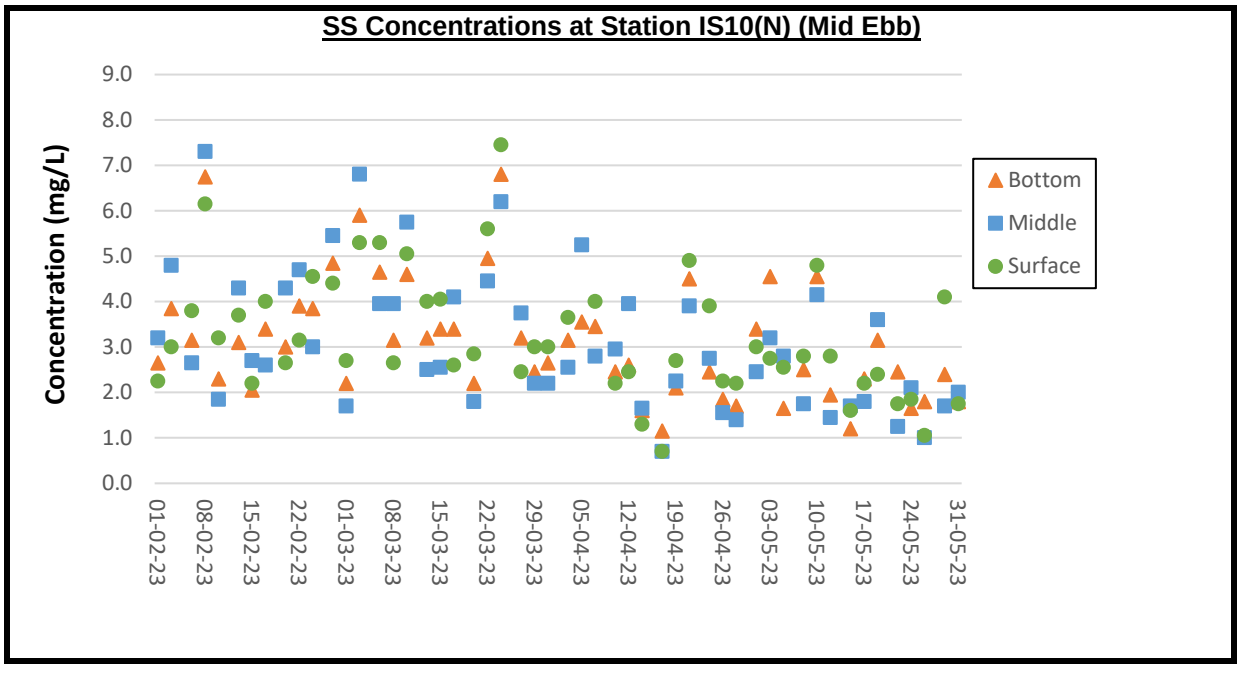

SS Concentrations at Station IS7 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

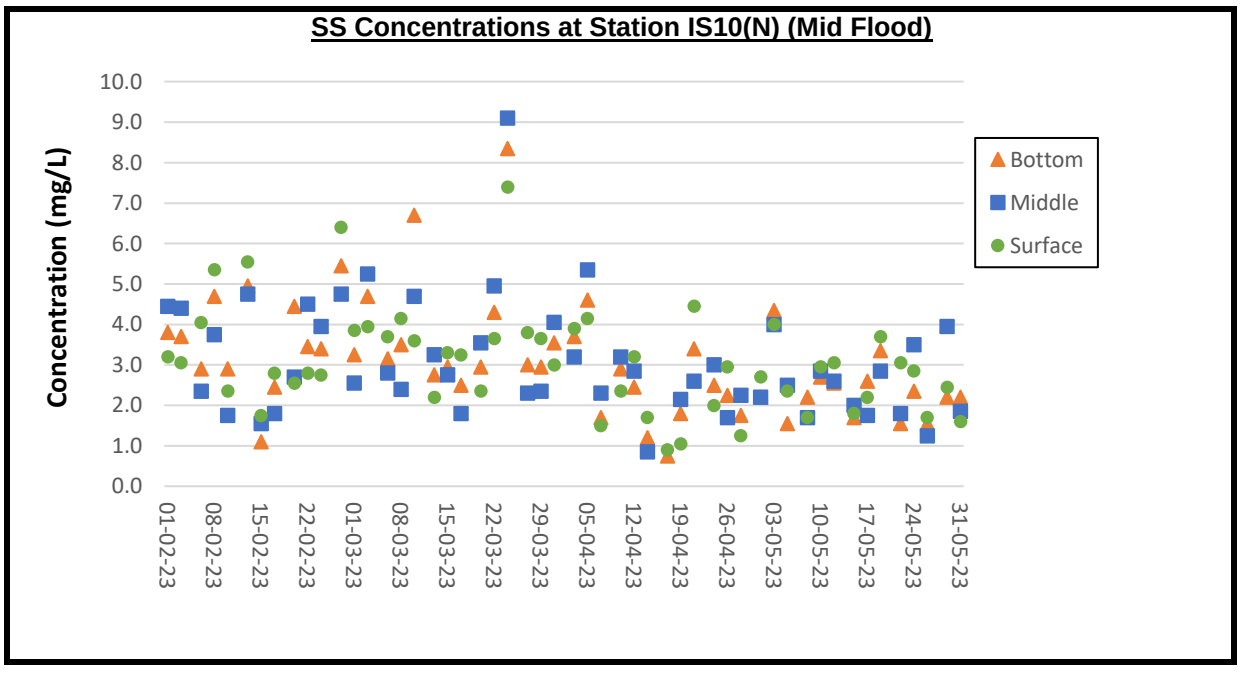

SS Concentrations at Station IS8(N) (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

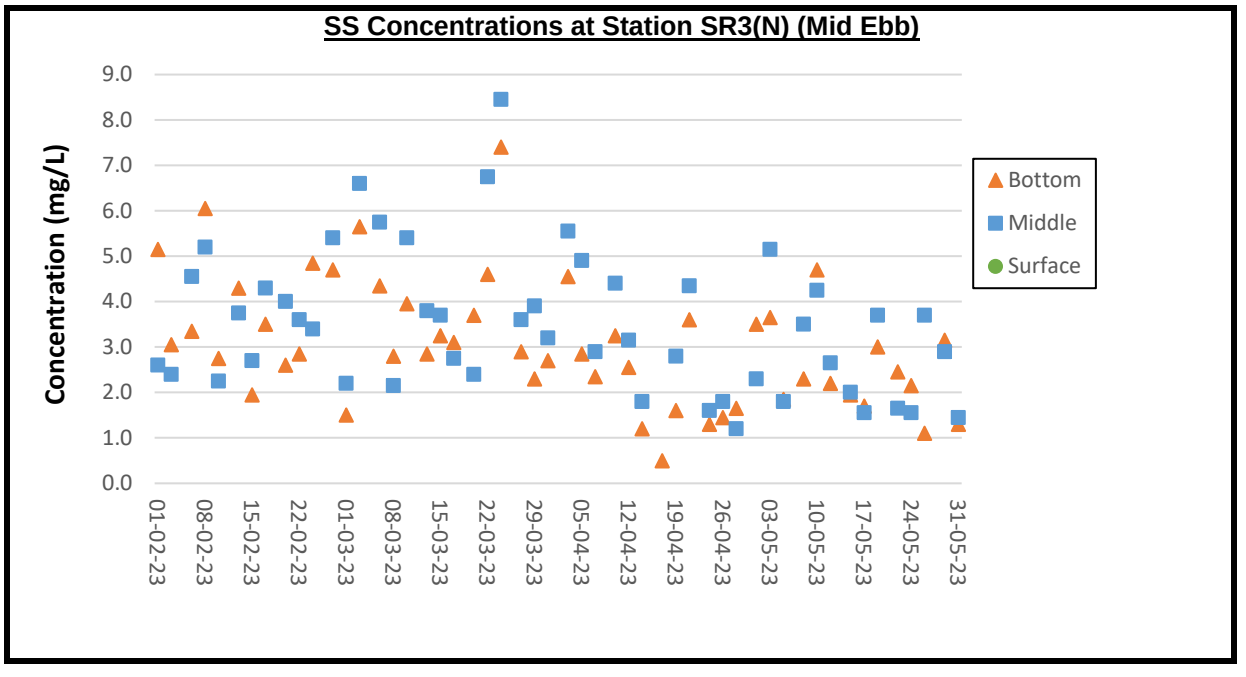

SS Concentrations at Station IS8(N) (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

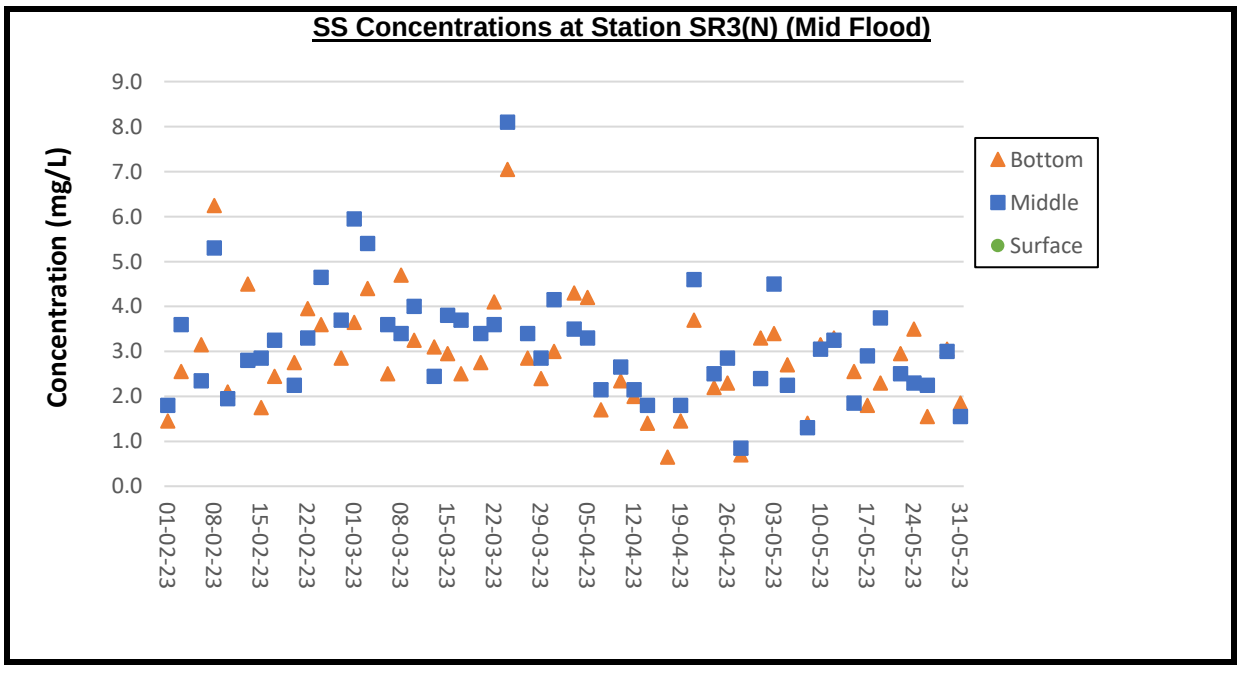

SS Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

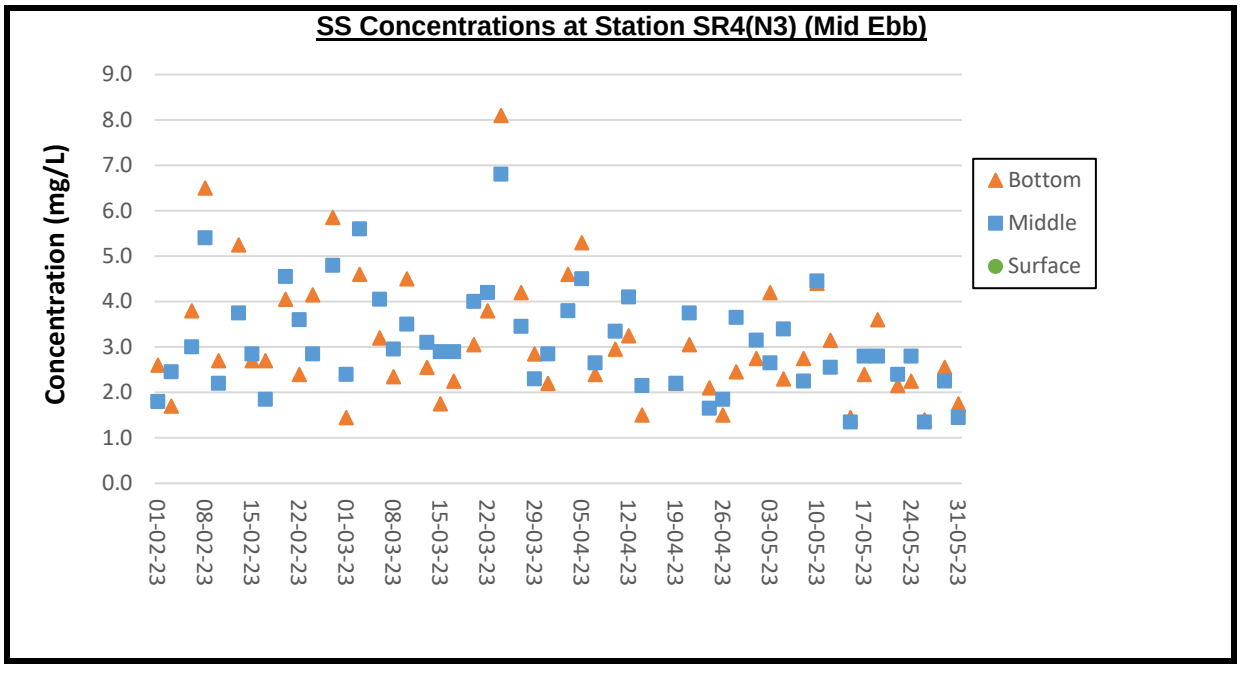

SS Concentrations at Station IS(Mf)9 (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

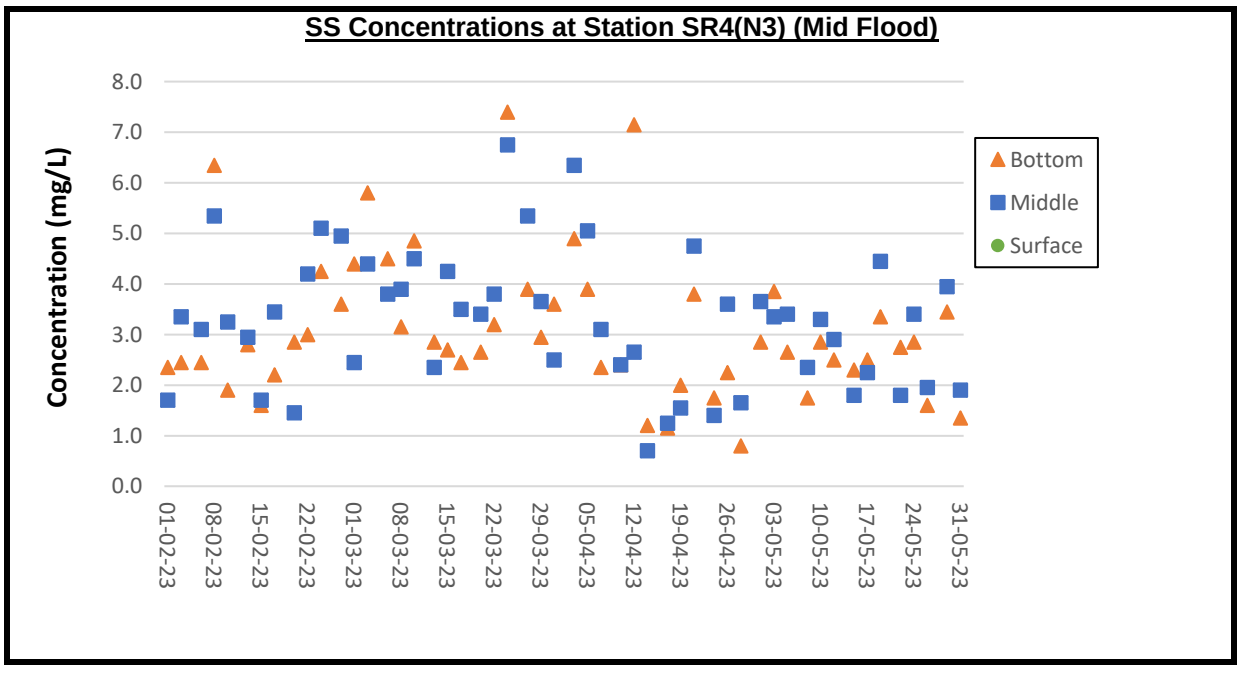

SS Concentrations at Station IS10(N) (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

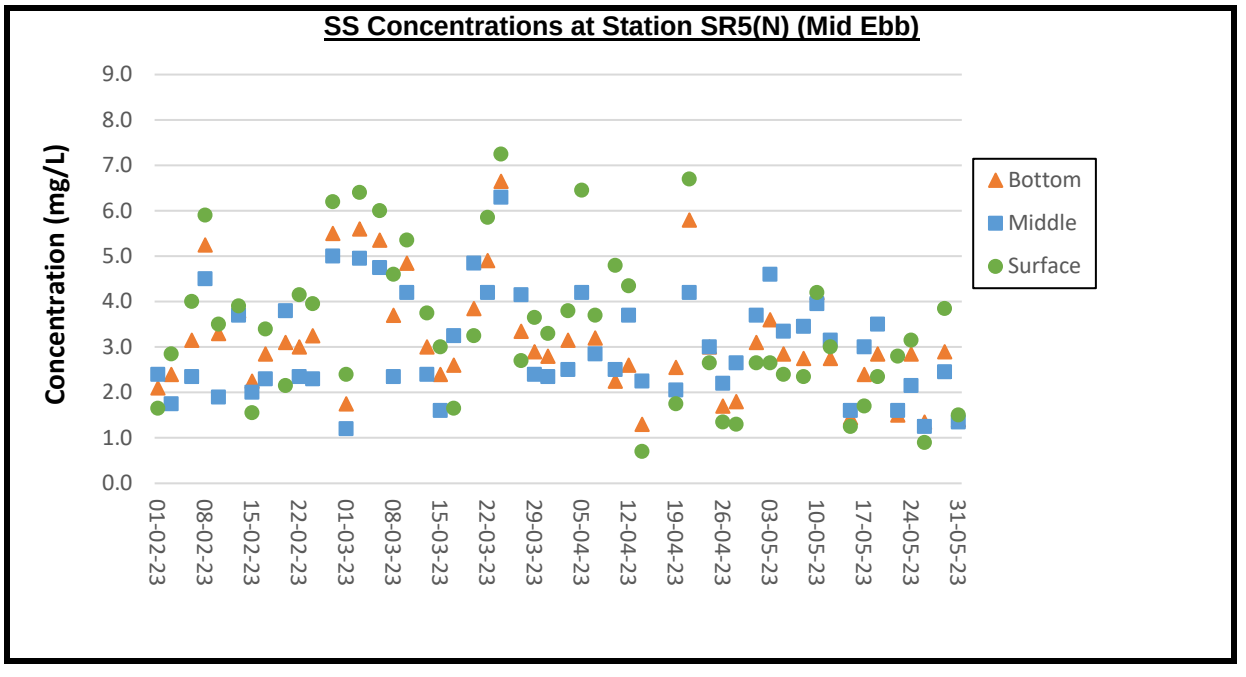

SS Concentrations at Station IS10(N) (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

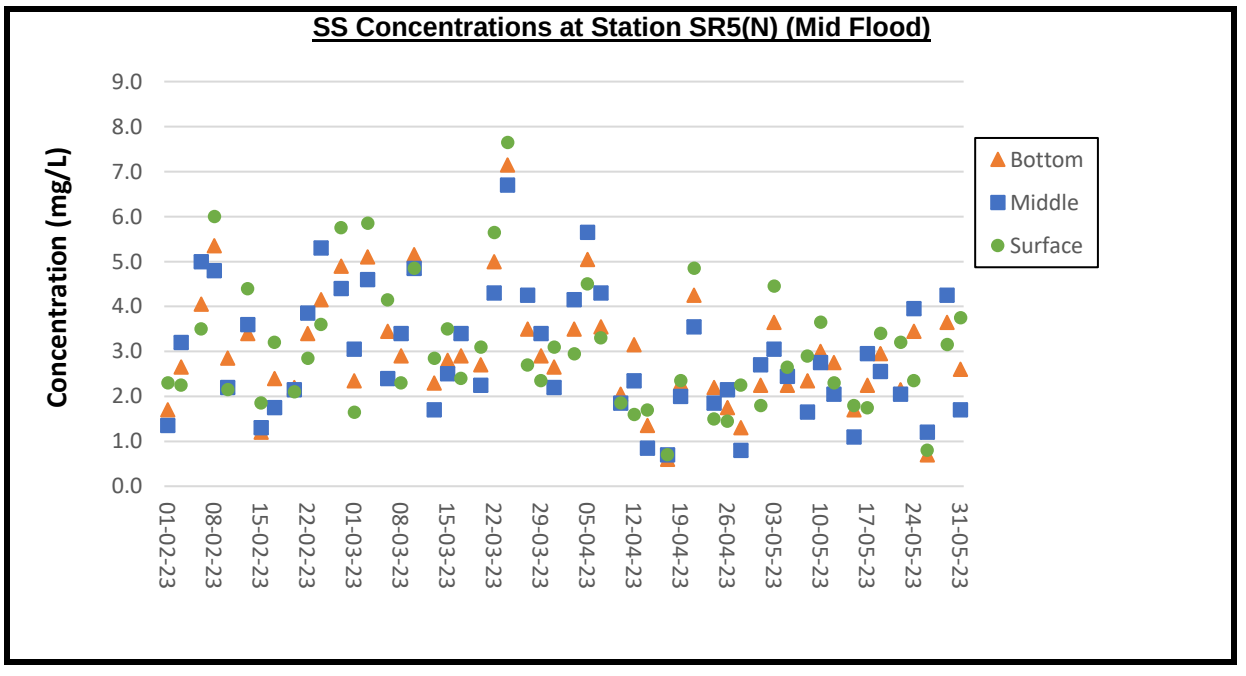

SS Concentrations at Station SR3(N) (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

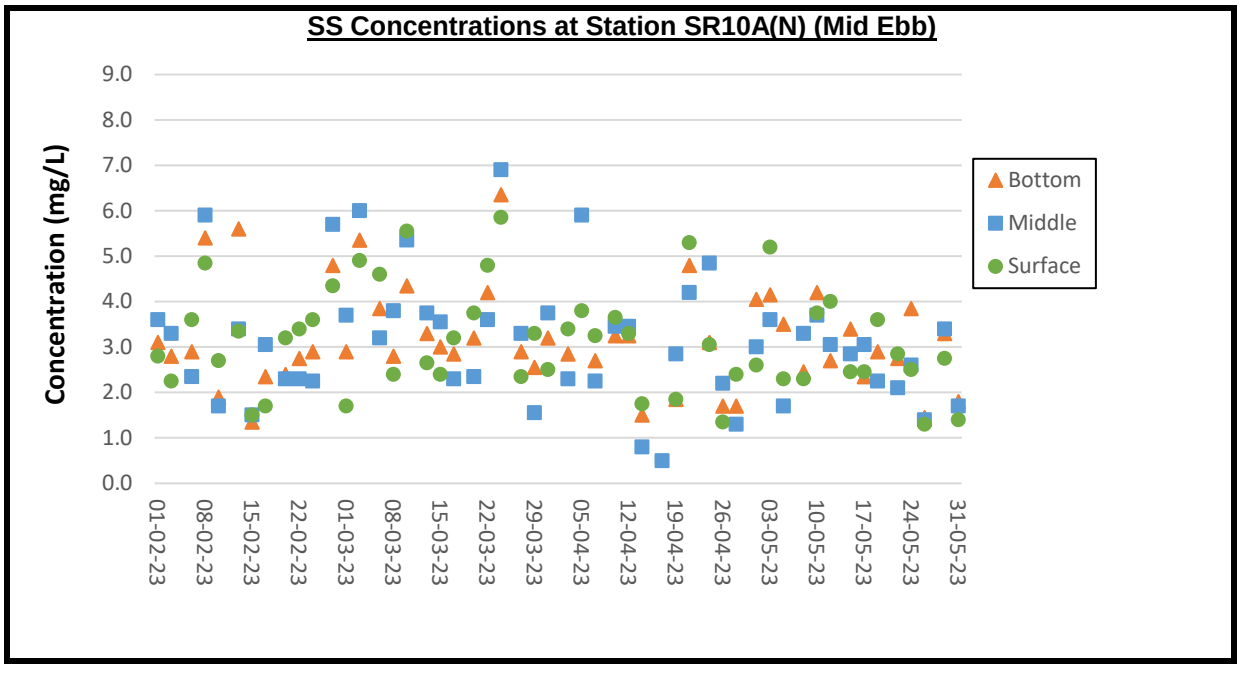

SS Concentrations at Station SR3(N) (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

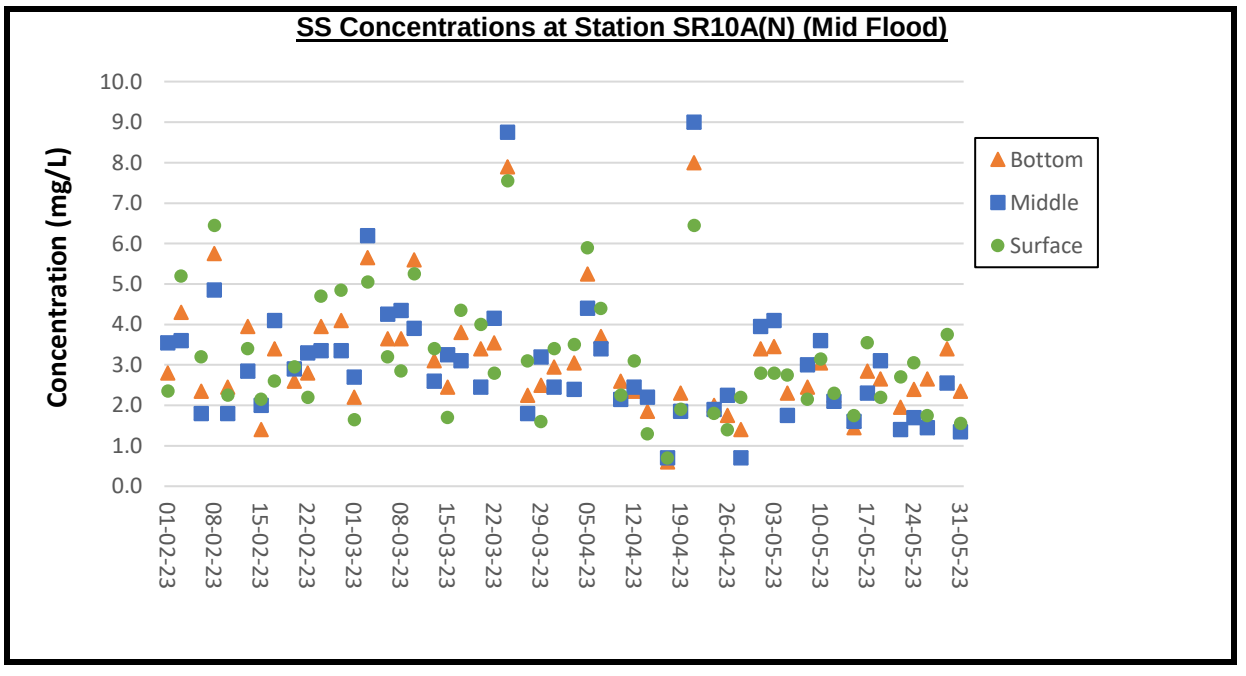

SS Concentrations at Station SR4(N3) (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

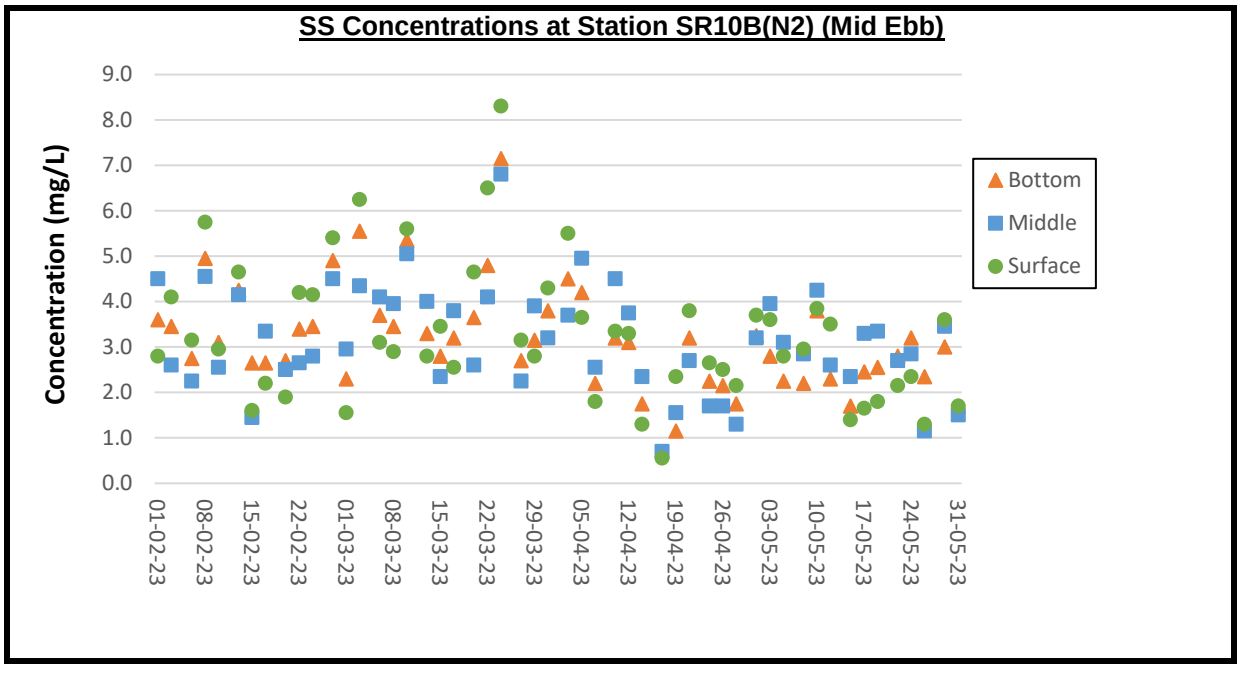

SS Concentrations at Station SR4(N3) (Mid Flood)
Concentration (mg/L)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

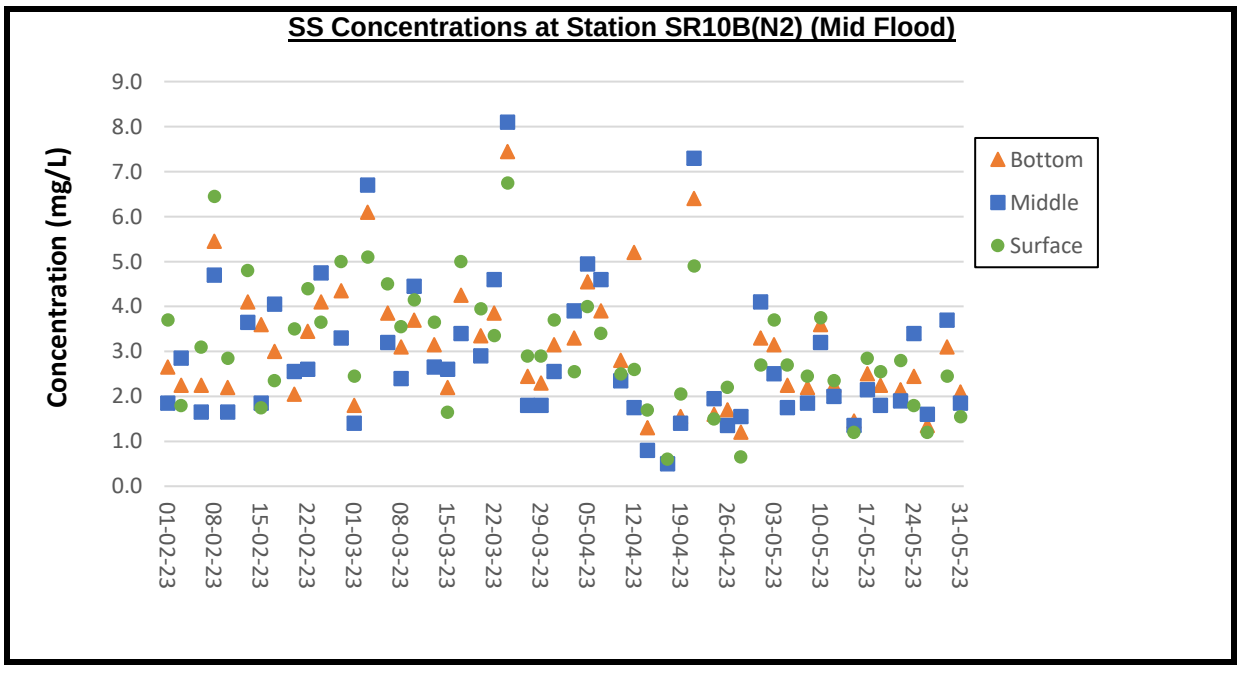

SS Concentrations at Station SR5(N) (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


SS Concentrations at Station SR5(N) (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


SS Concentrations at Station SR10A(N) (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


SS Concentrations at Station SR10A(N) (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


SS Concentrations at Station SR10B(N2) (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


SS Concentrations at Station SR10B(N2) (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
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03-05-23
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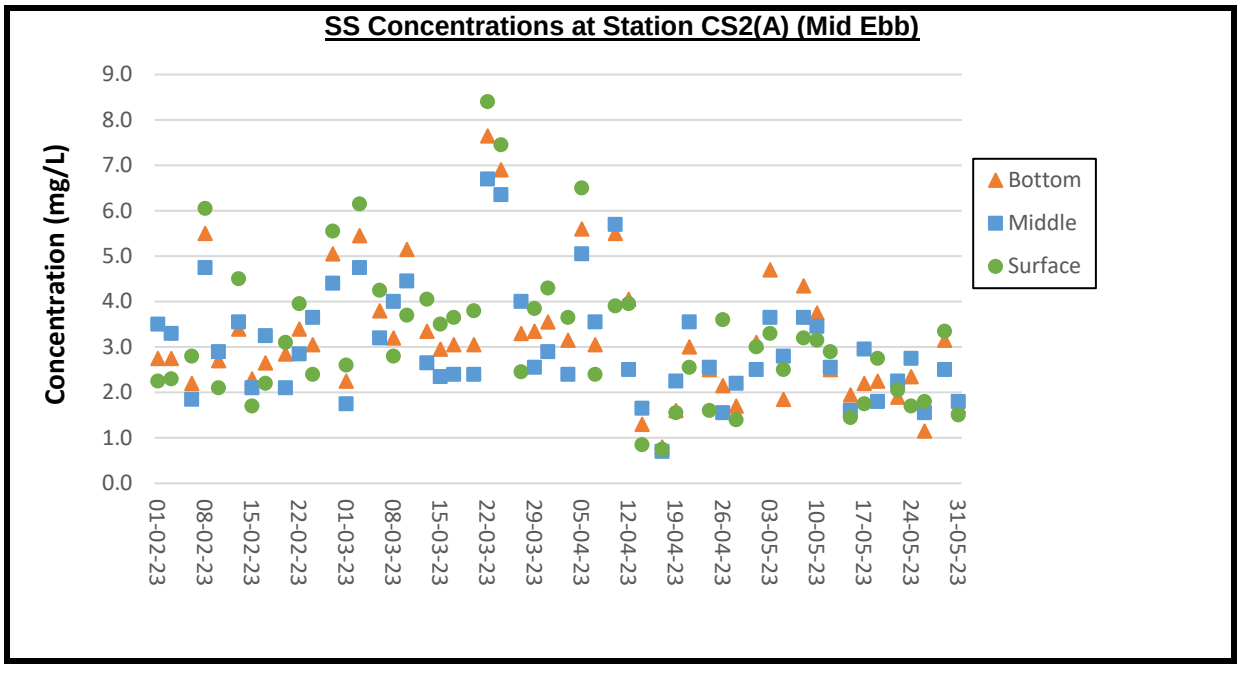
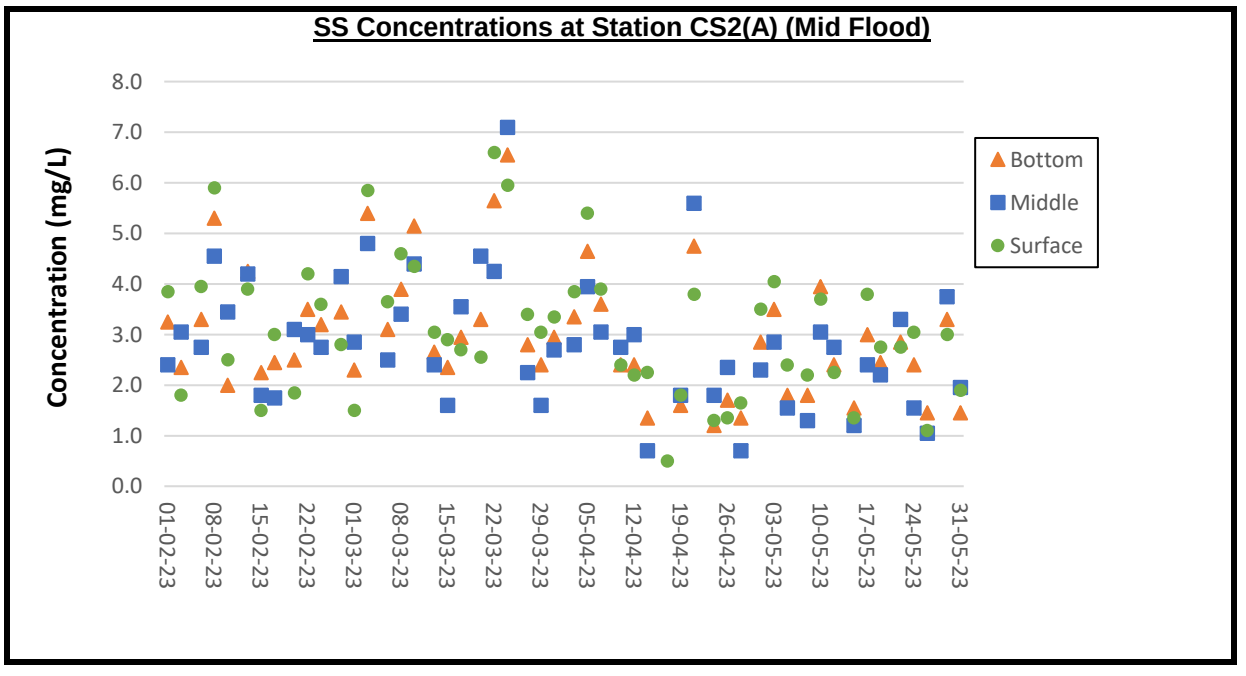
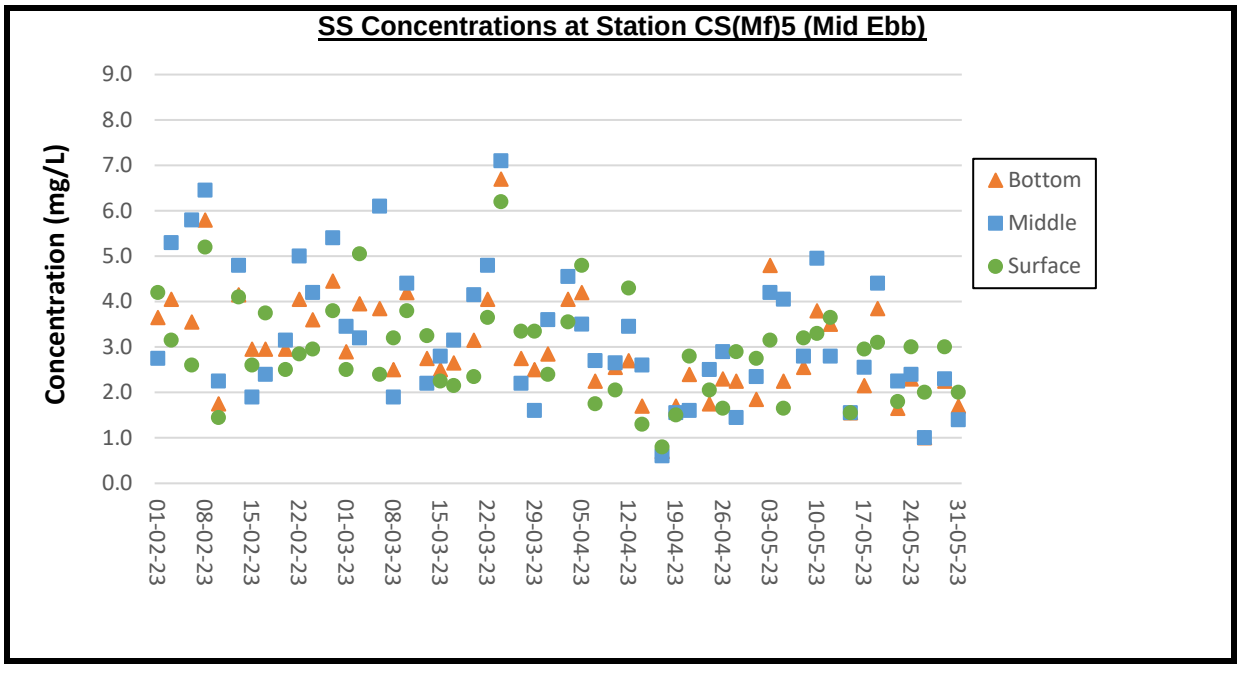
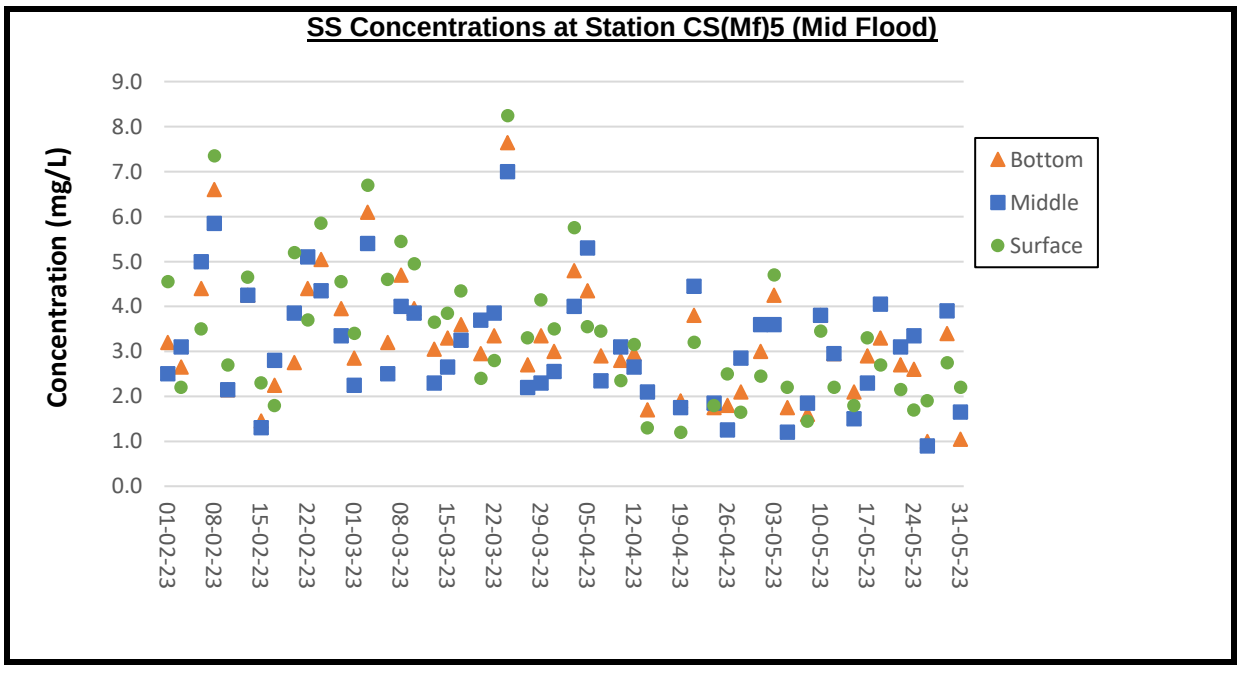
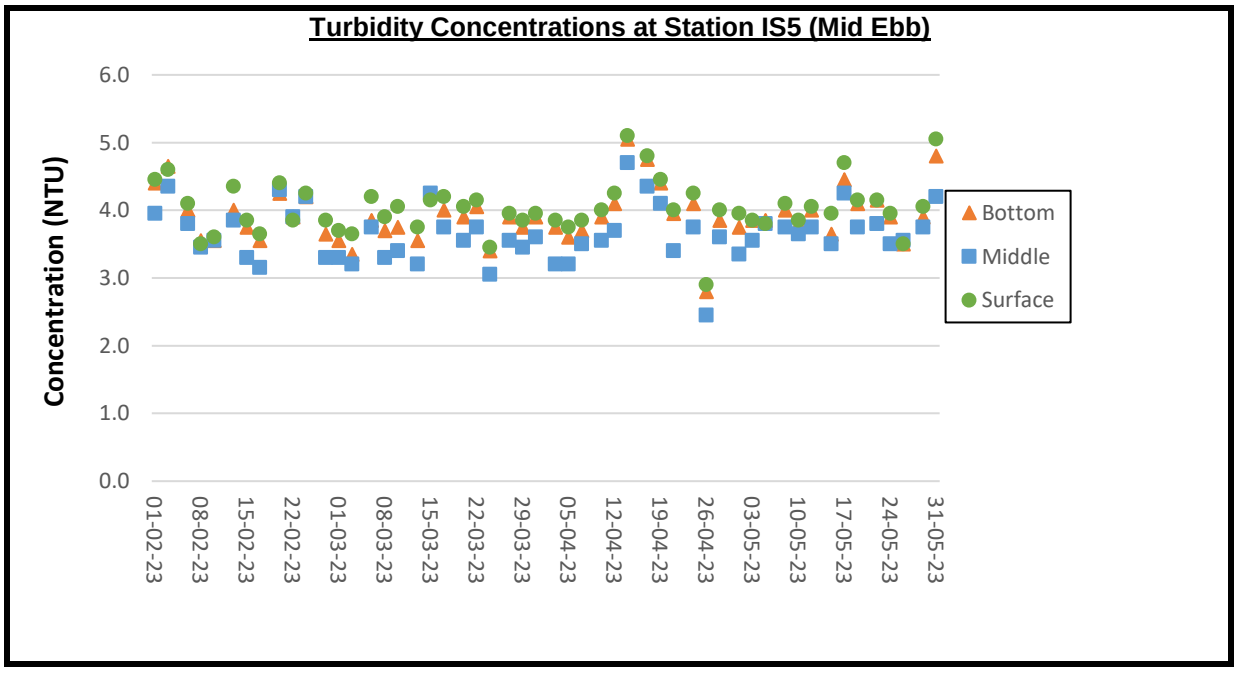
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

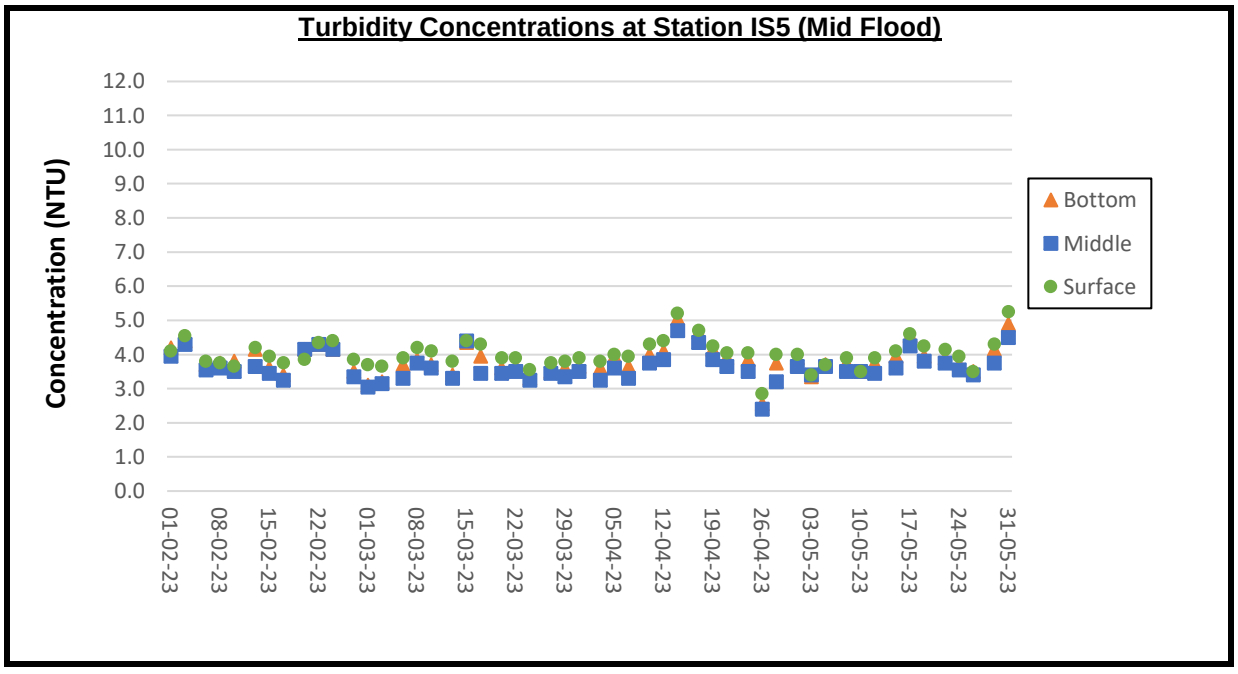

SS Concentrations at Station CS2(A) (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

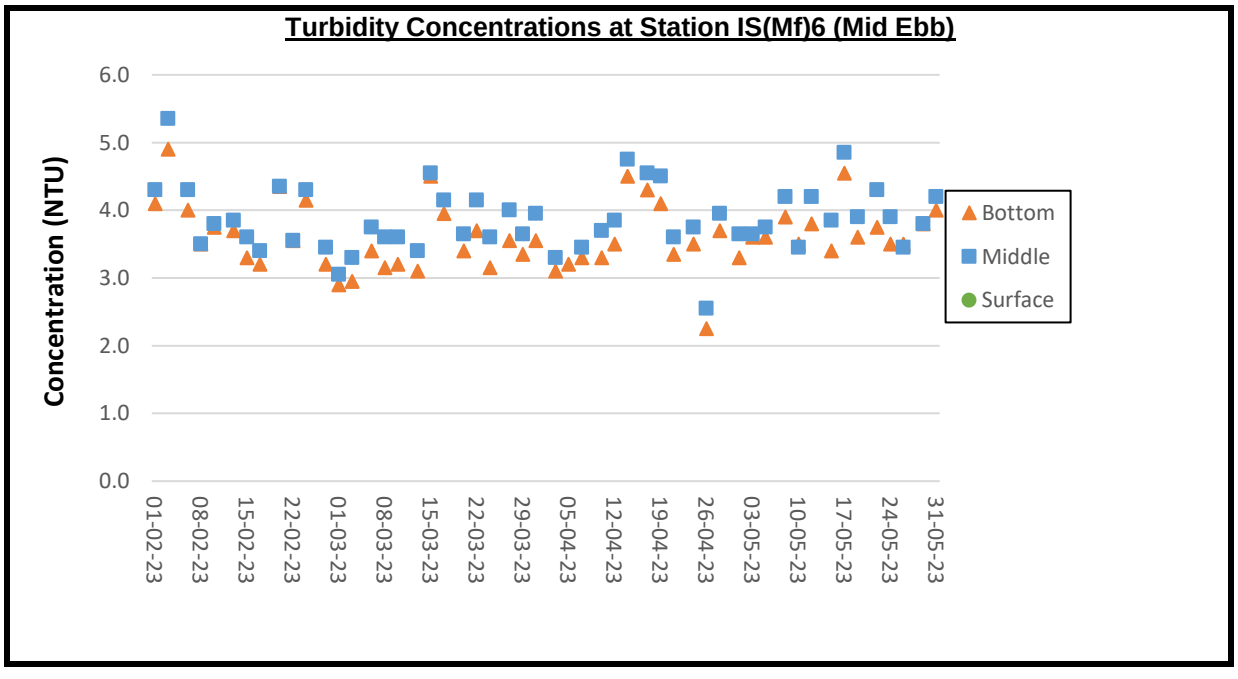

SS Concentrations at Station CS2(A) (Mid Flood)
Concentration (mg/L)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

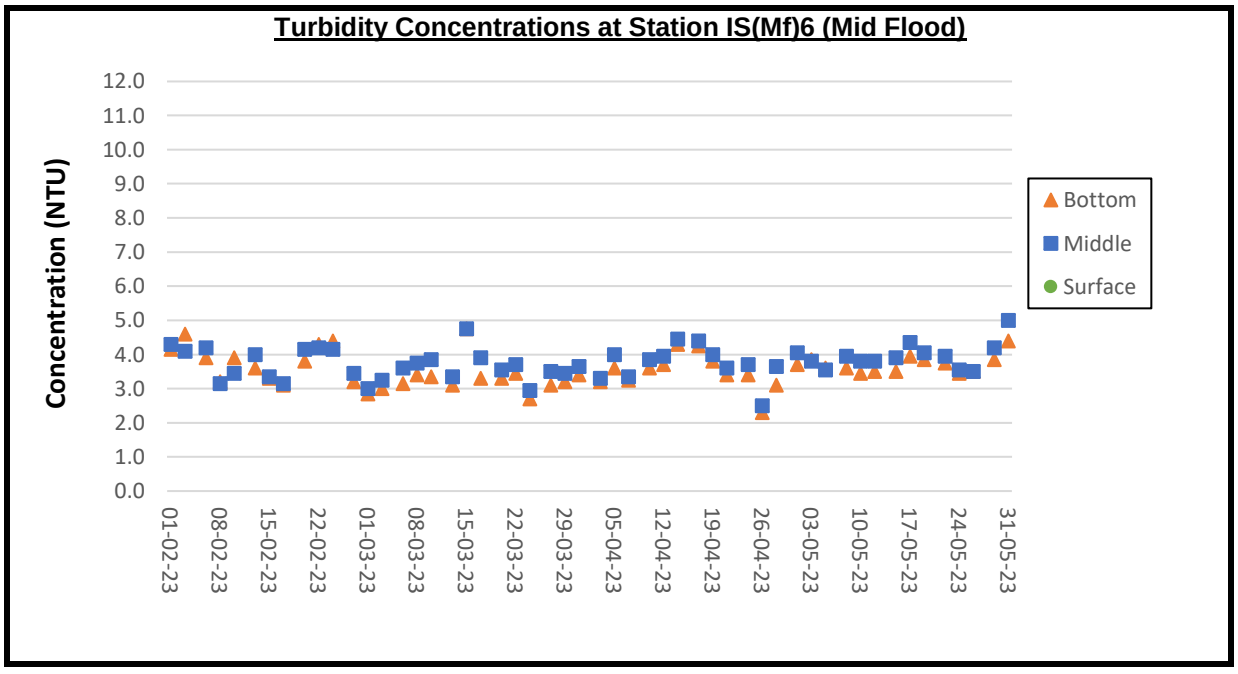

SS Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

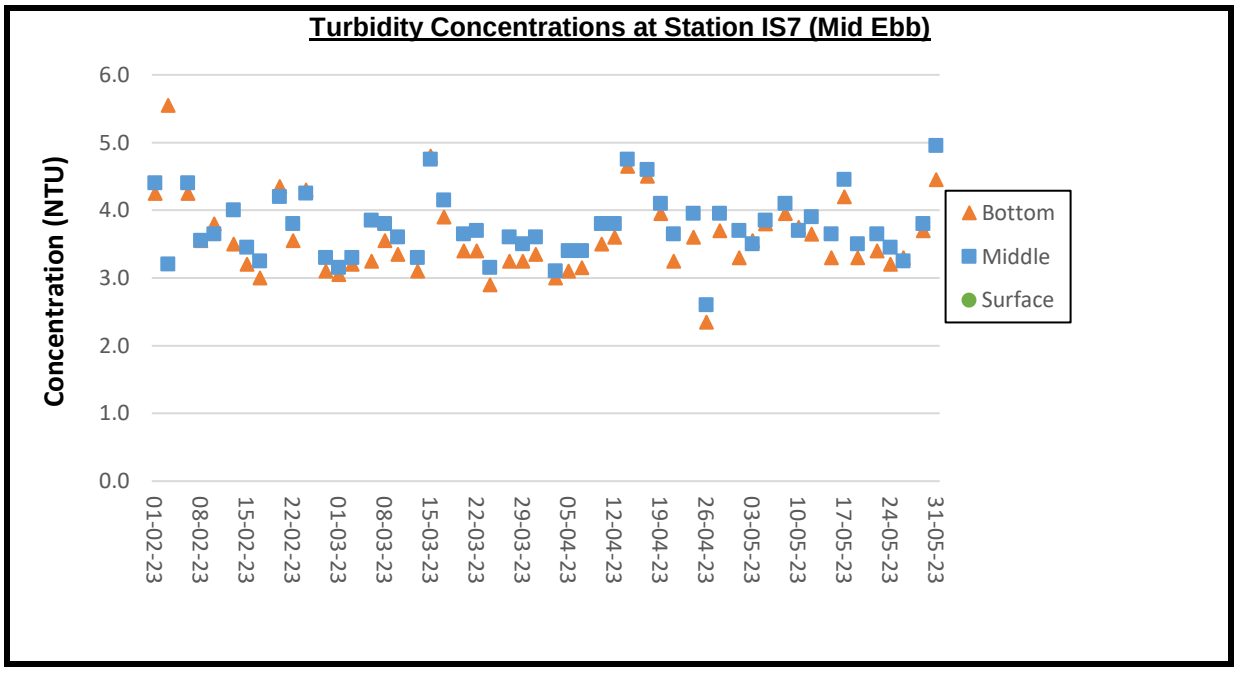

SS Concentrations at Station CS(Mf)5 (Mid Flood)
Concentration (mg/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

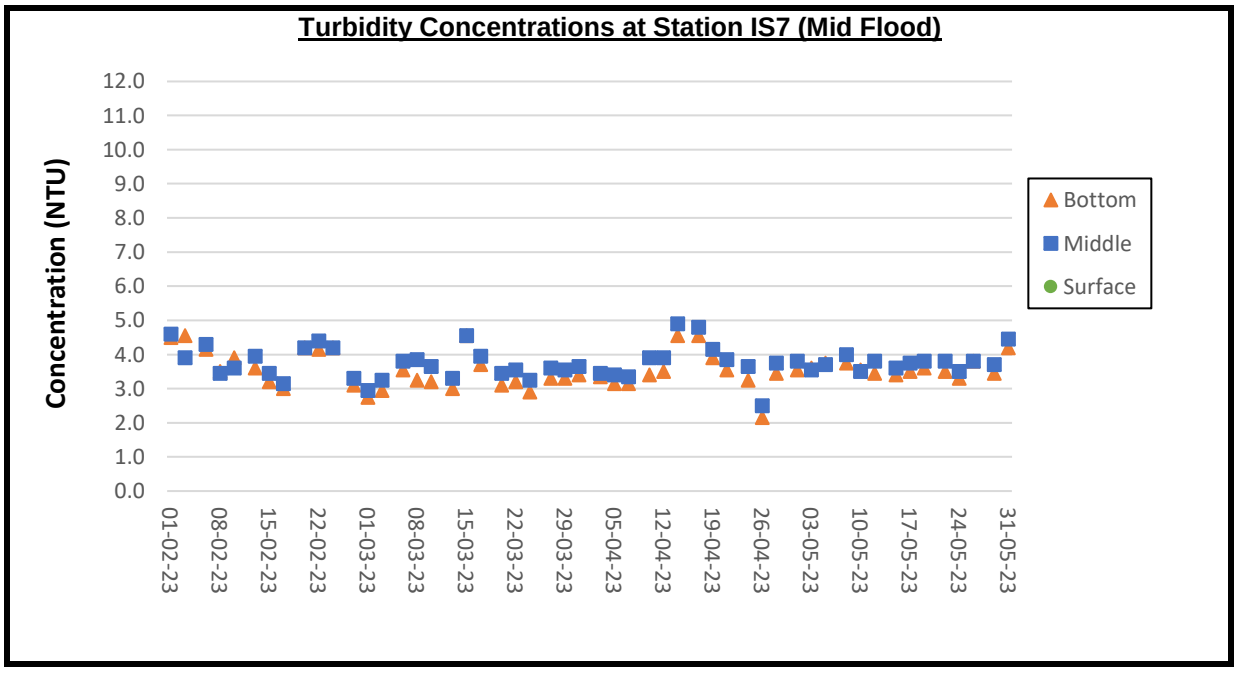

Turbidity Concentrations at Station IS5 (Mid Ebb)
Concentration (NTU)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

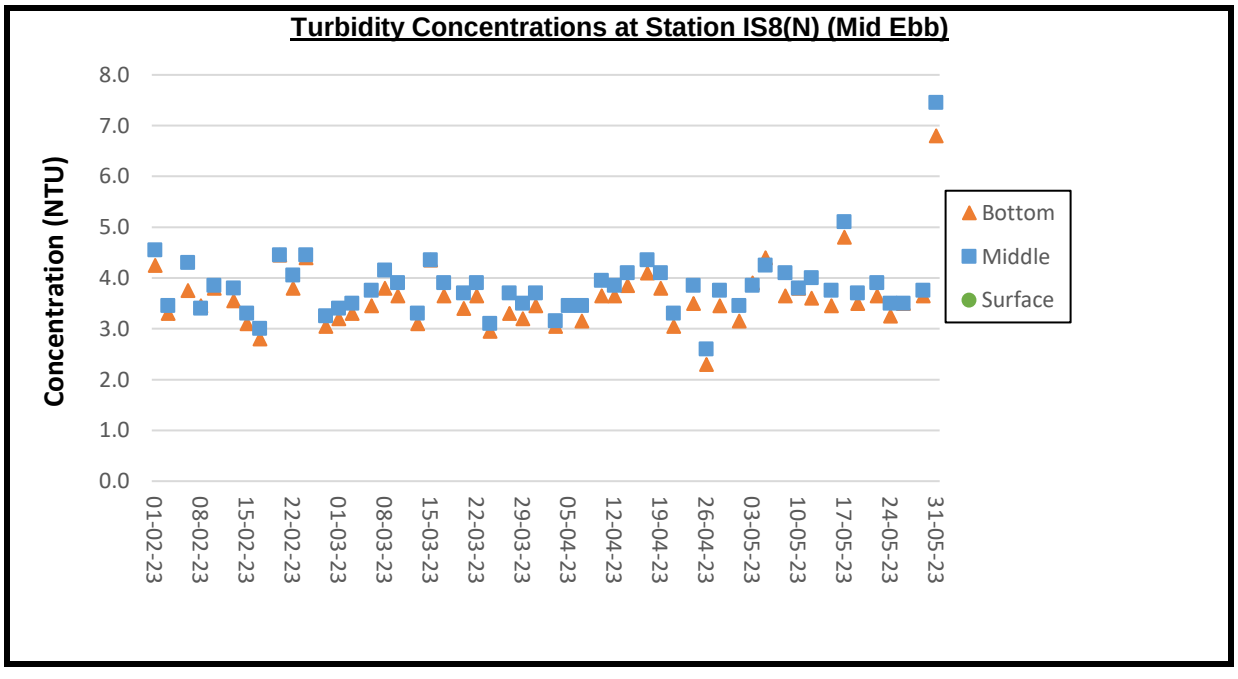

Turbidity Concentrations at Station IS5 (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

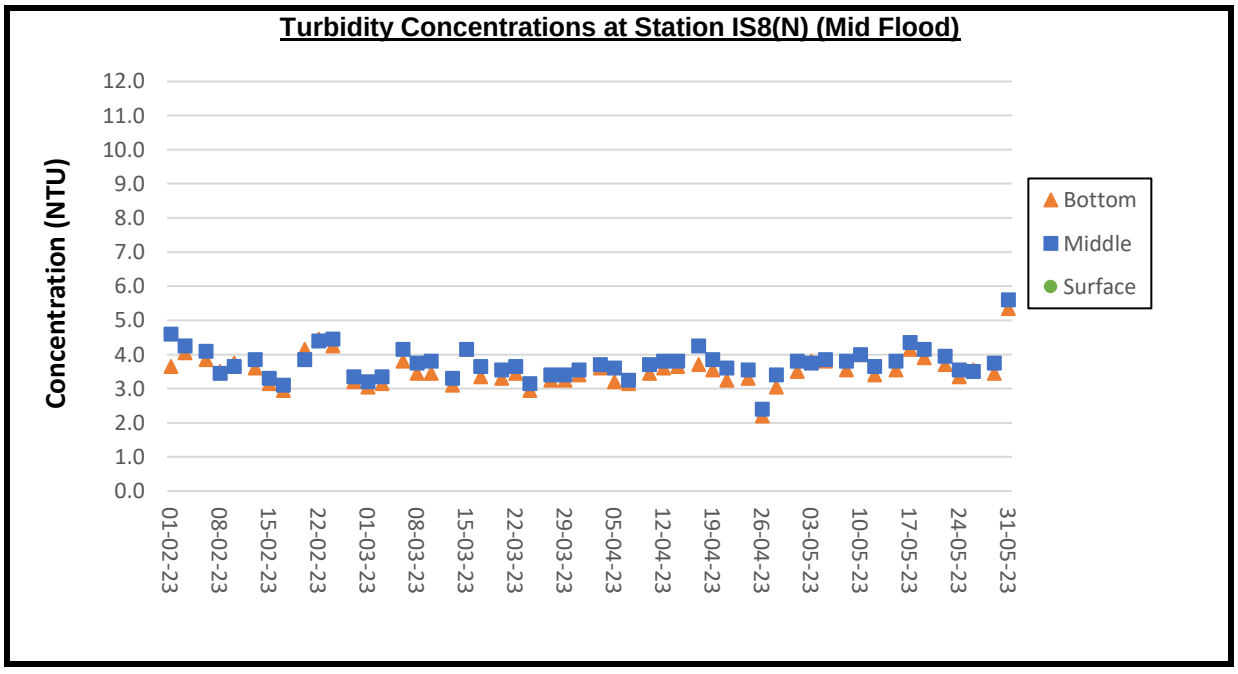

Turbidity Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (NTU)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

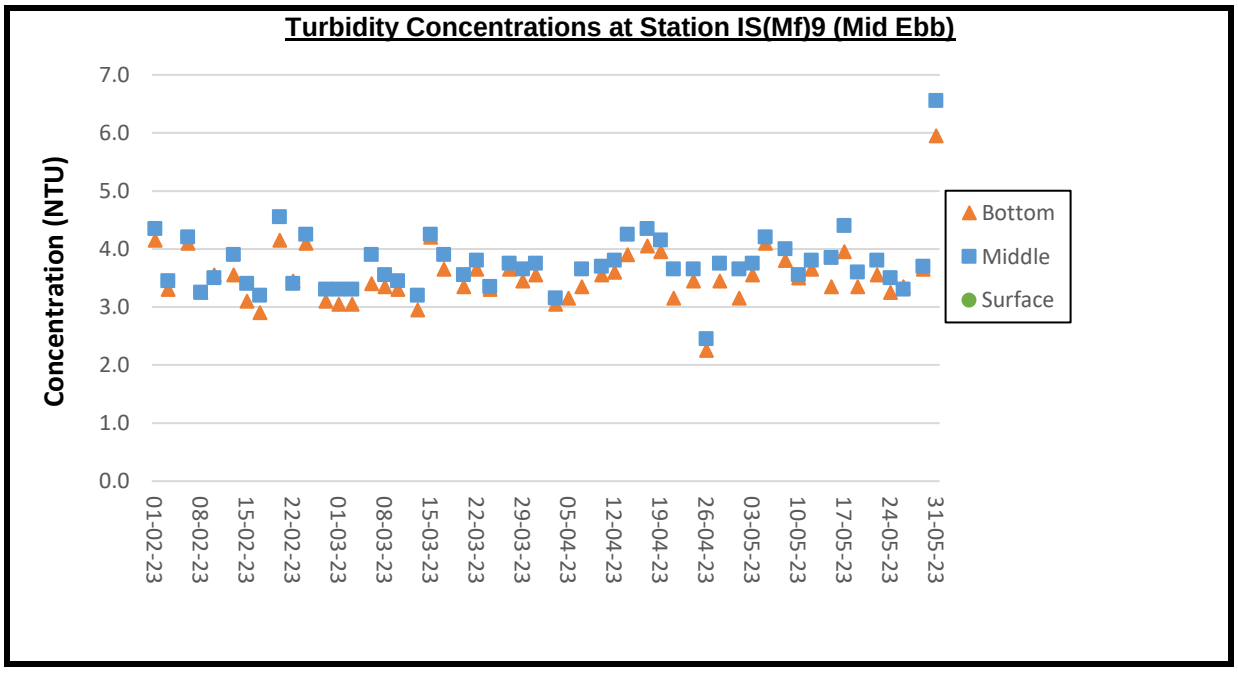

Turbidity Concentrations at Station IS(Mf)6 (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

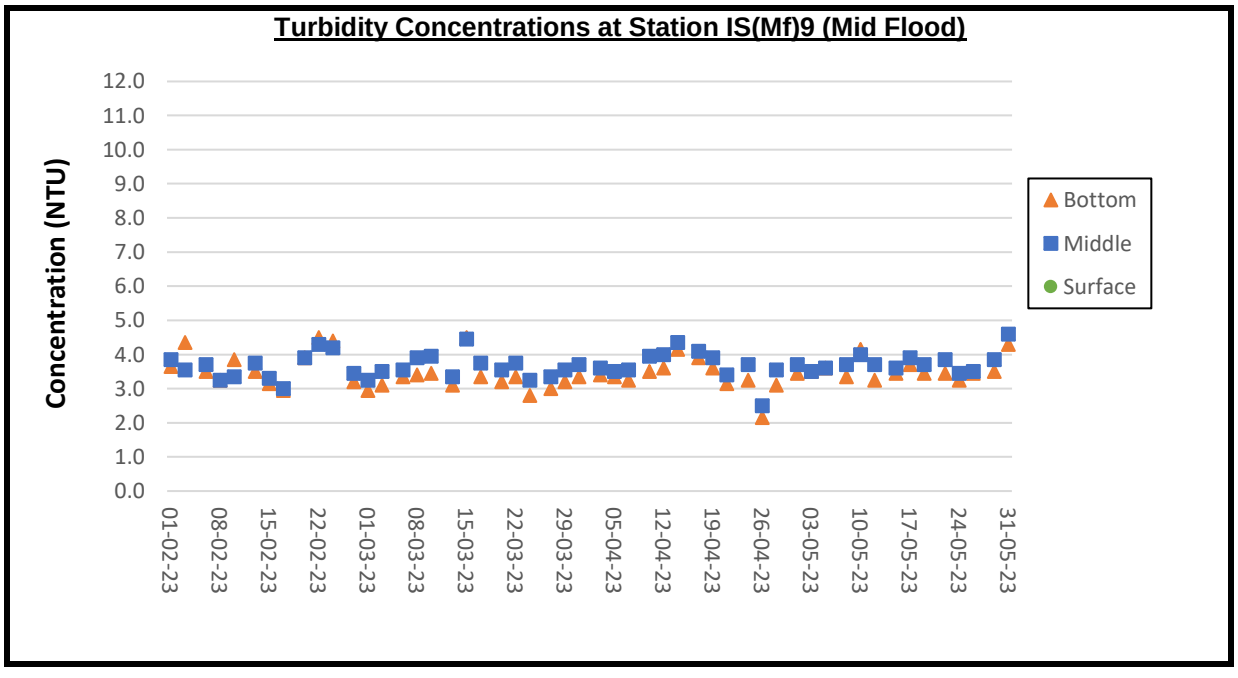

Turbidity Concentrations at Station IS7 (Mid Ebb)
Concentration (NTU)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

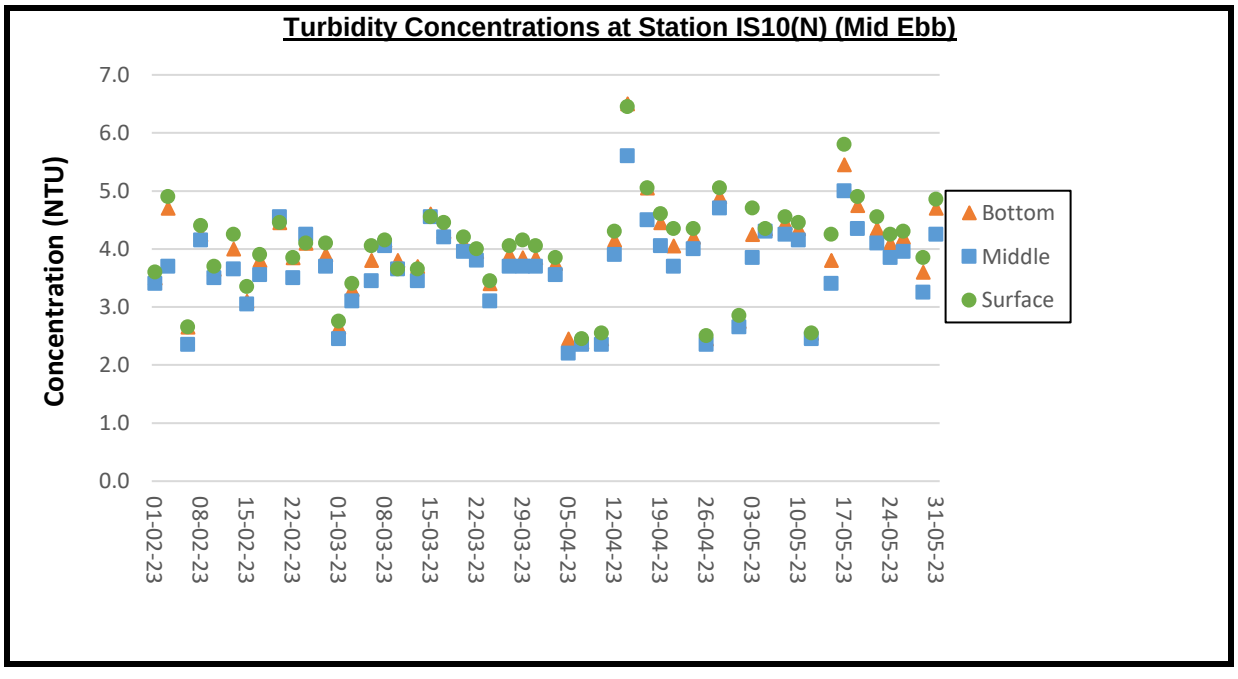

Turbidity Concentrations at Station IS7 (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

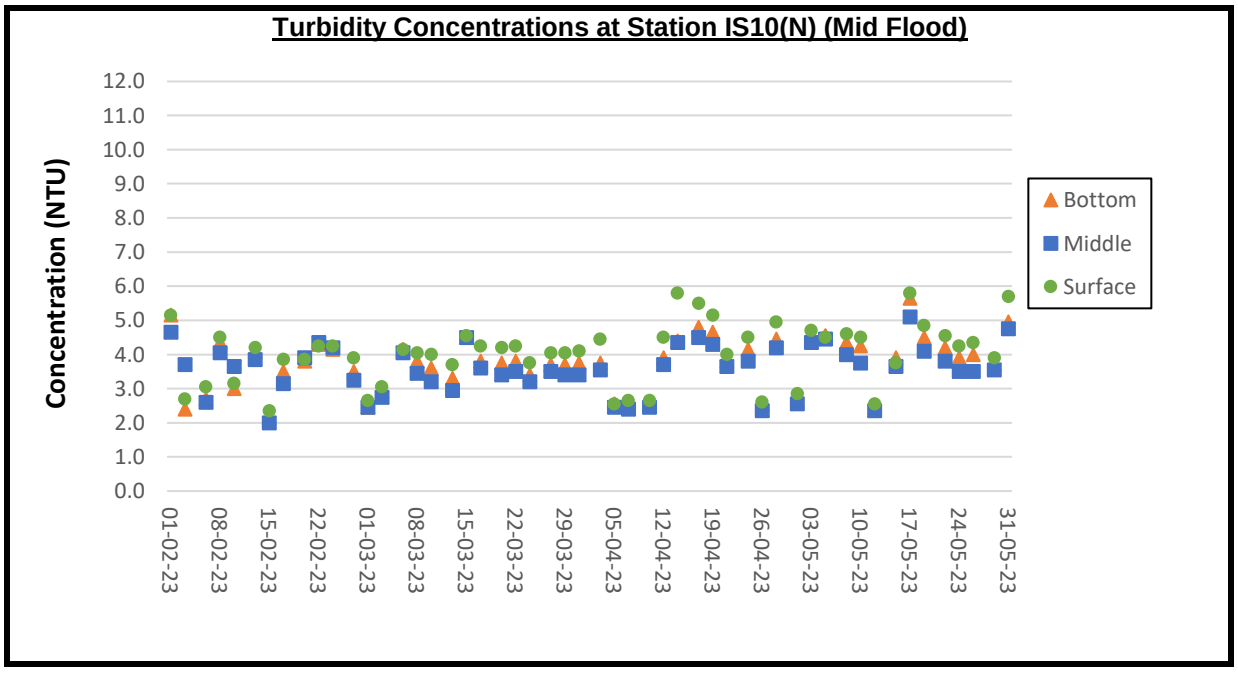

Turbidity Concentrations at Station IS8(N) (Mid Ebb)
Concentration (NTU)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

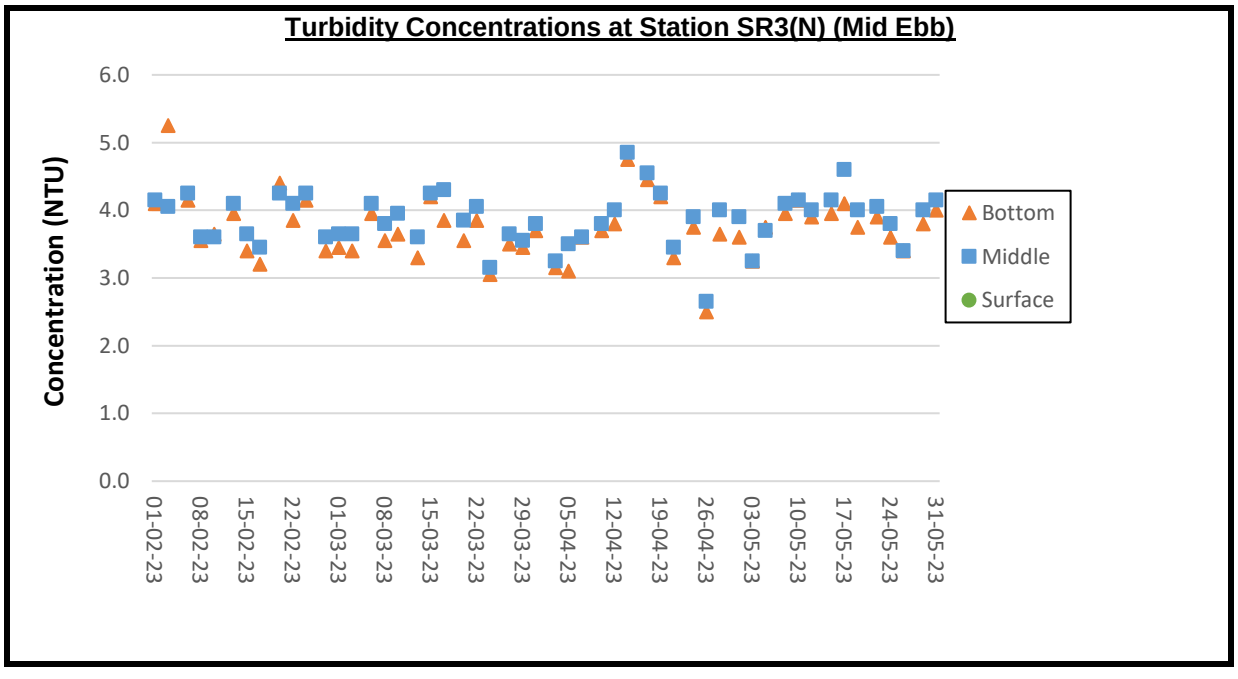

Turbidity Concentrations at Station IS8(N) (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

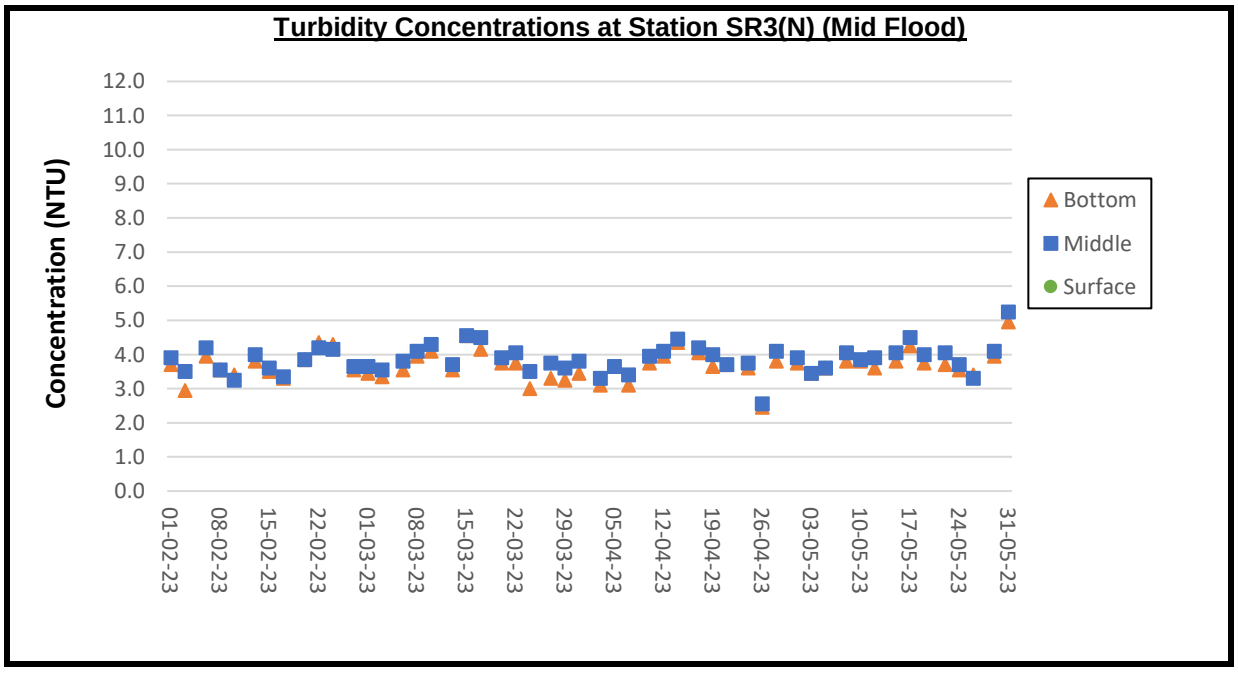

Turbidity Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (NTU)
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

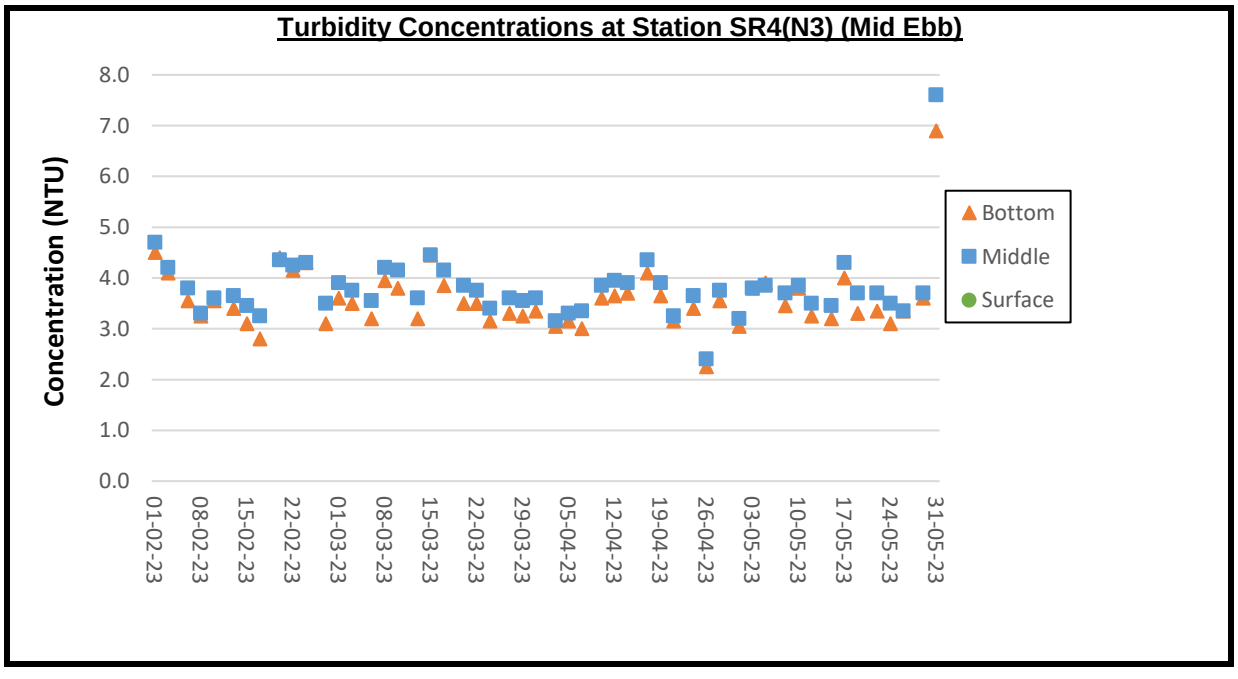

Turbidity Concentrations at Station IS(Mf)9 (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

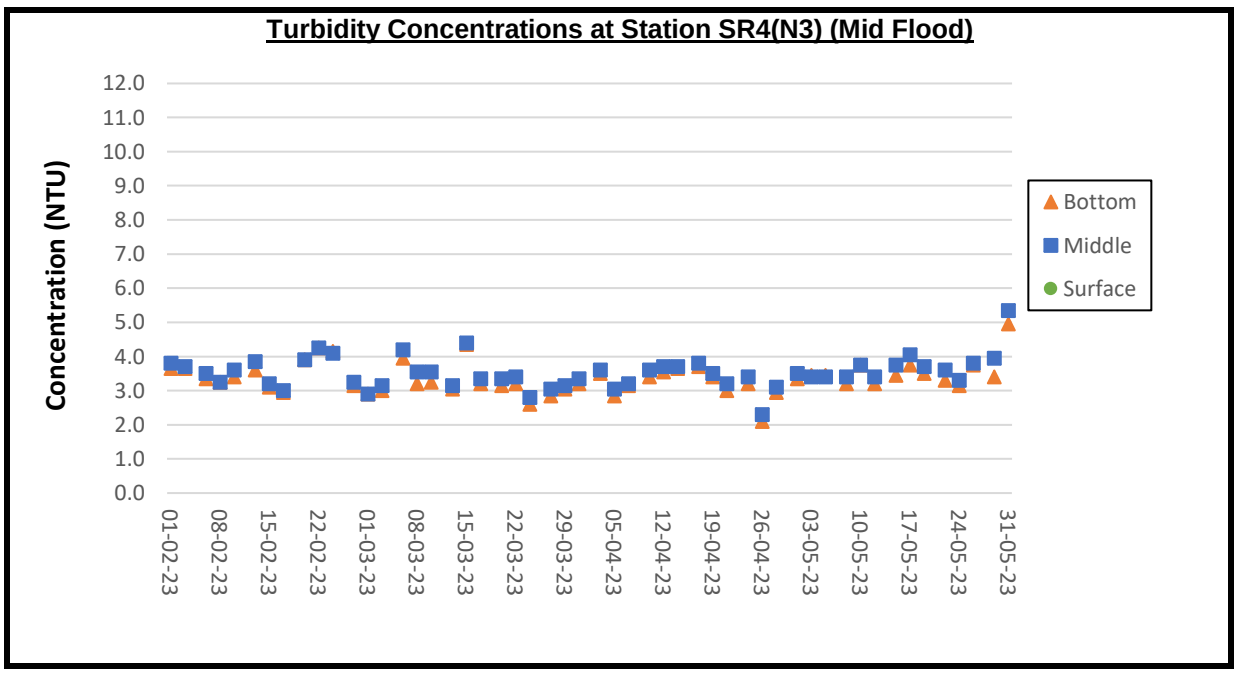

Turbidity Concentrations at Station IS10(N) (Mid Ebb)
Concentration (NTU)
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

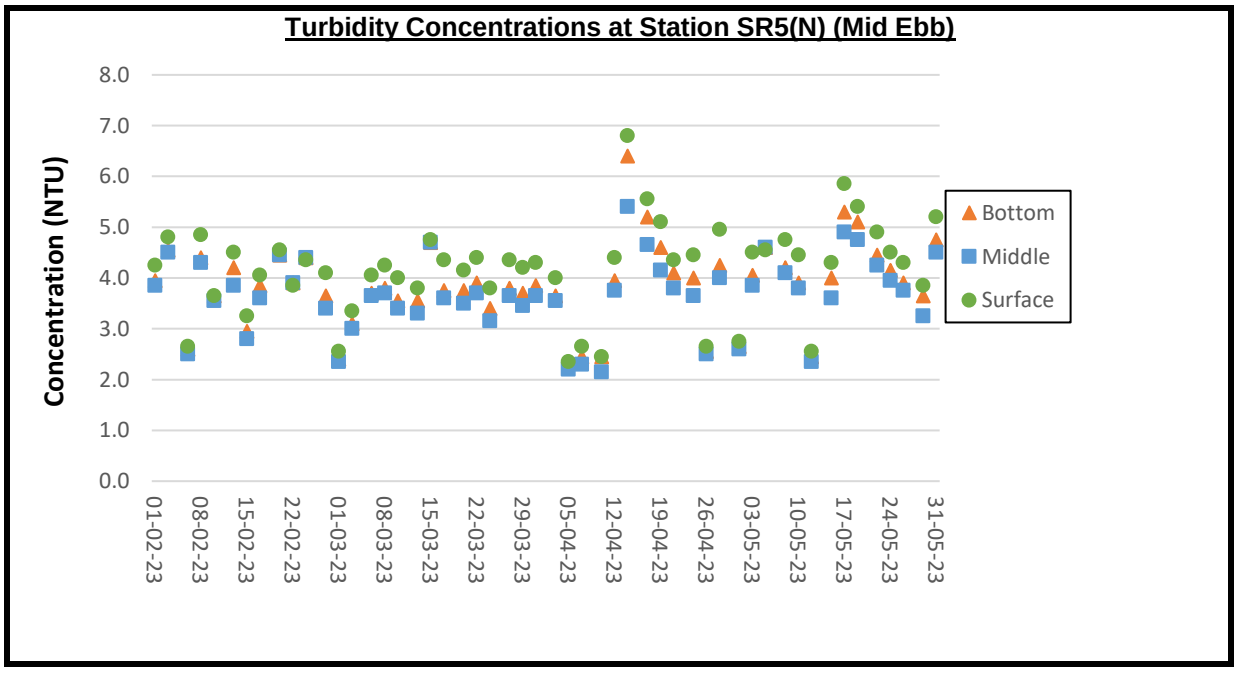

Turbidity Concentrations at Station IS10(N) (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

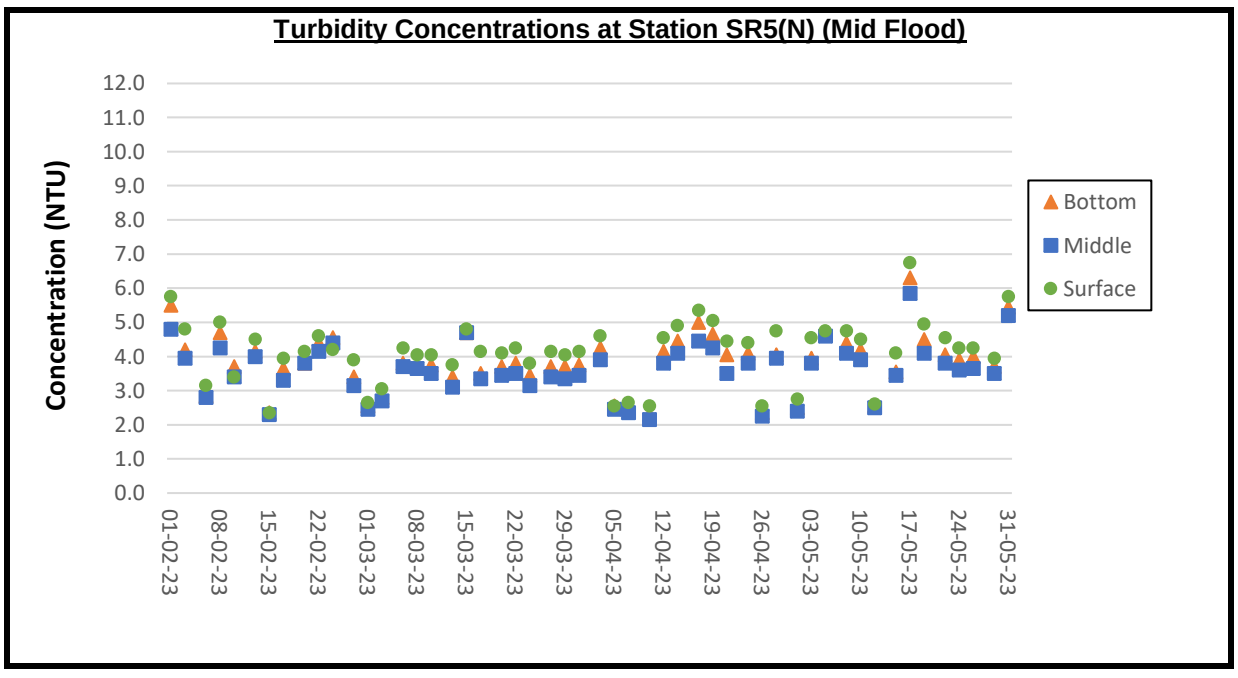

Turbidity Concentrations at Station SR3(N) (Mid Ebb)
Concentration (NTU)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

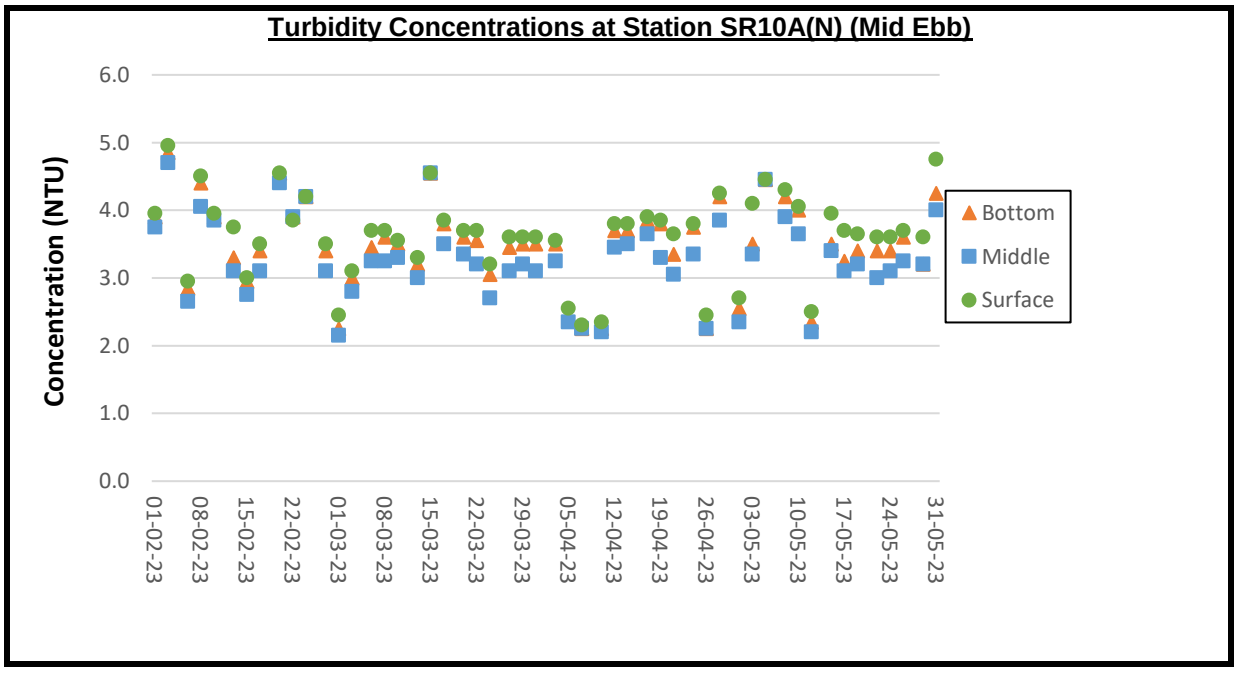

Turbidity Concentrations at Station SR3(N) (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

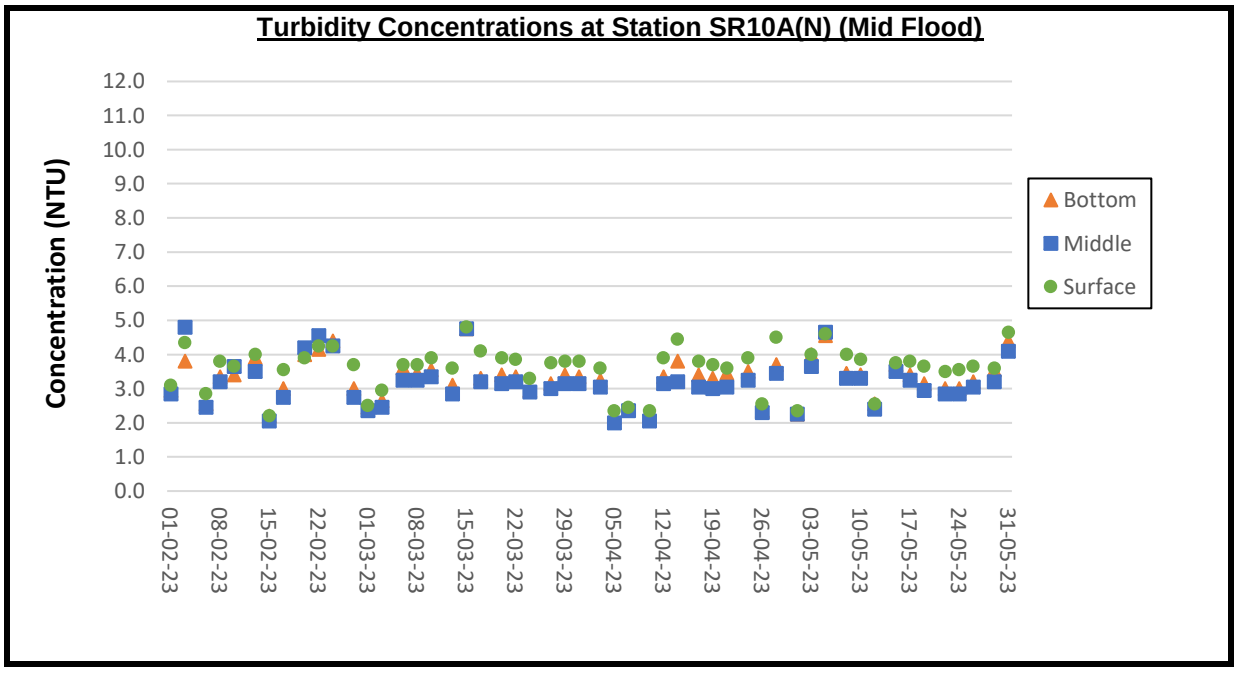

Turbidity Concentrations at Station SR4(N3) (Mid Ebb)
Concentration (NTU)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

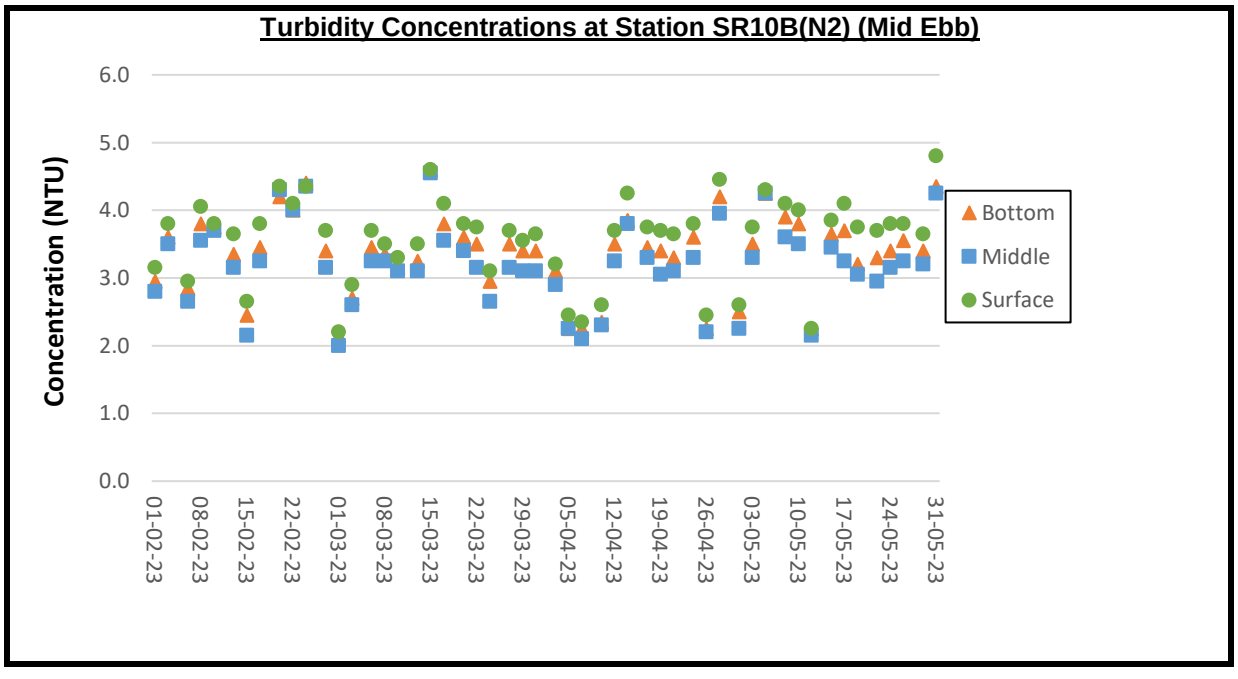

Turbidity Concentrations at Station SR4(N3) (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station SR5(N) (Mid Ebb)
Concentration (NTU)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station SR5(N) (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station SR10A(N) (Mid Ebb)
Concentration (NTU)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station SR10A(N) (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station SR10B(N2) (Mid Ebb)
Concentration (NTU)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
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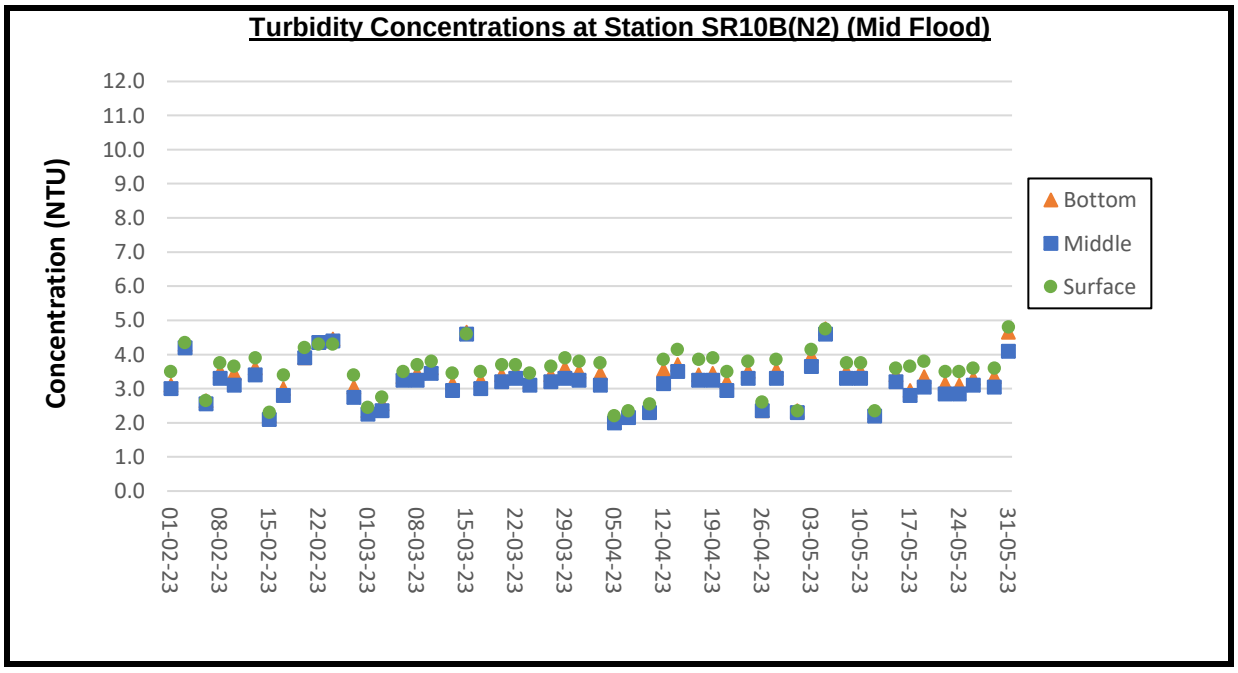
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station SR10B(N2) (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
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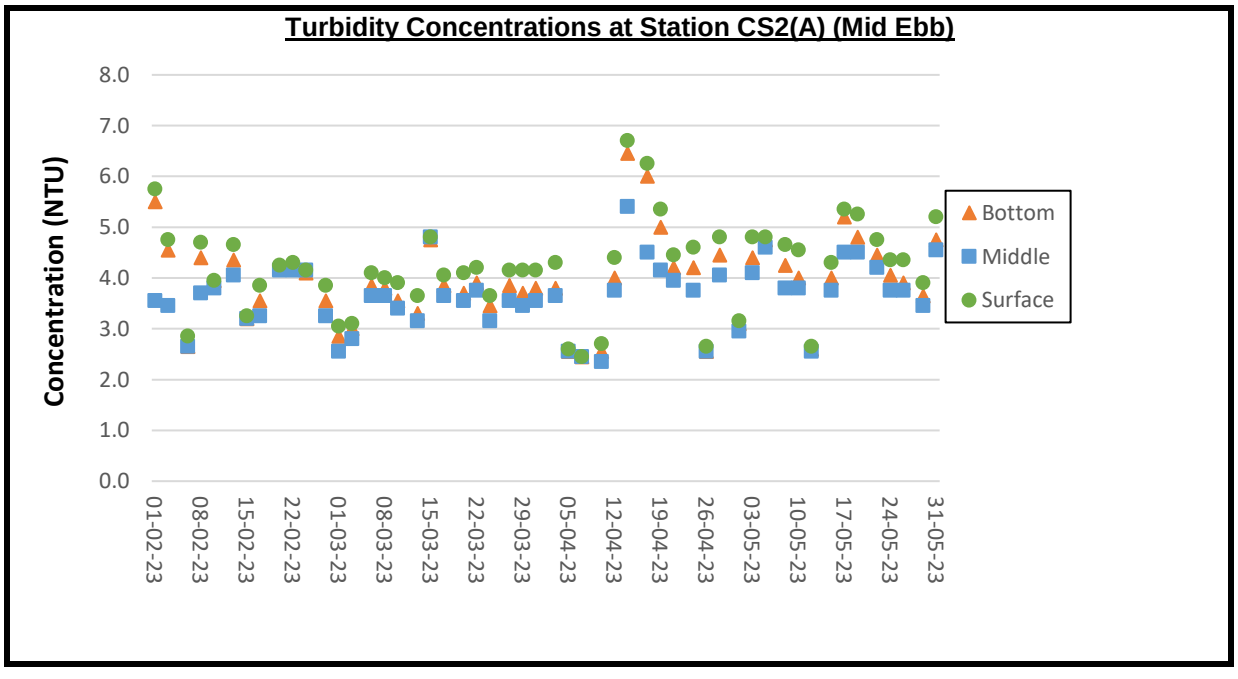
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station CS2(A) (Mid Ebb)
Concentration (NTU)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
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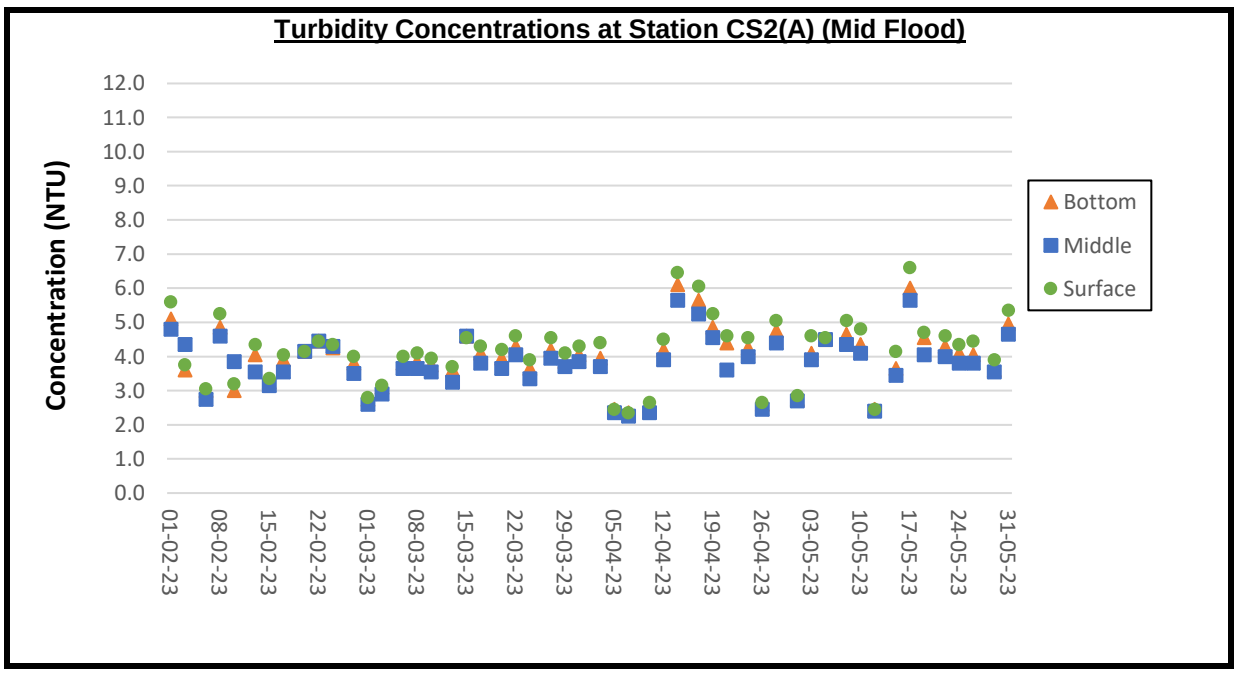
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station CS2(A) (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
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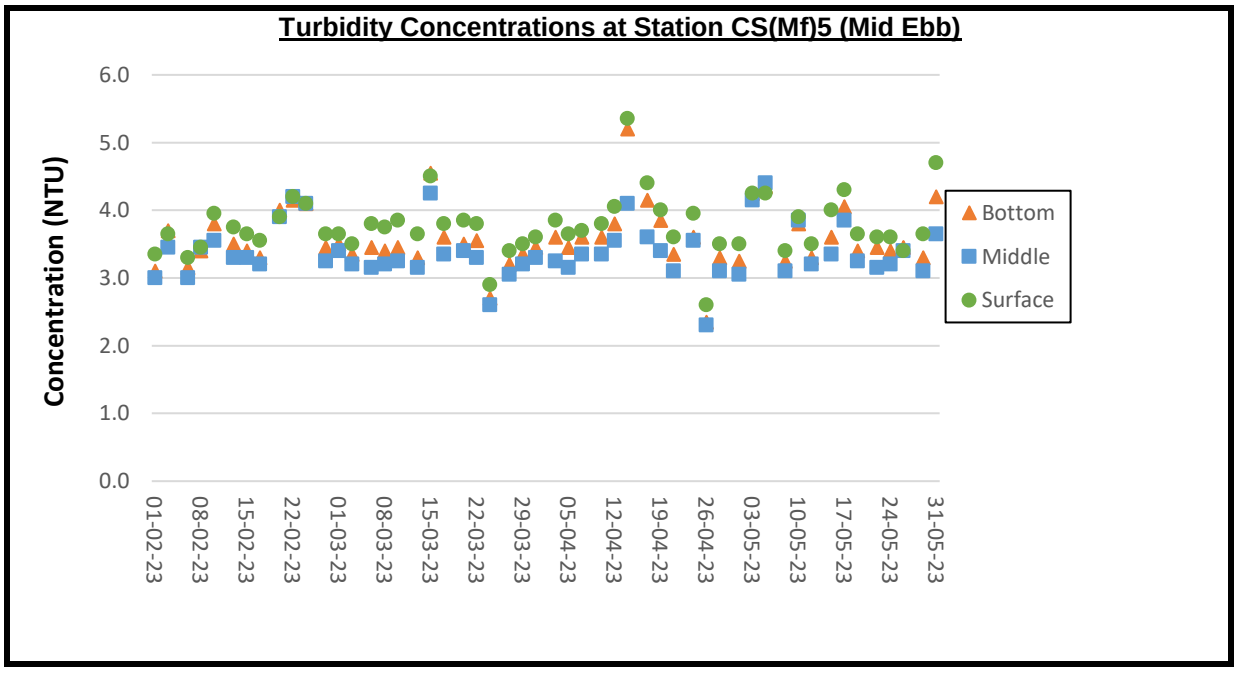
Bottom
Middle
Surface


Turbidity Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (NTU)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
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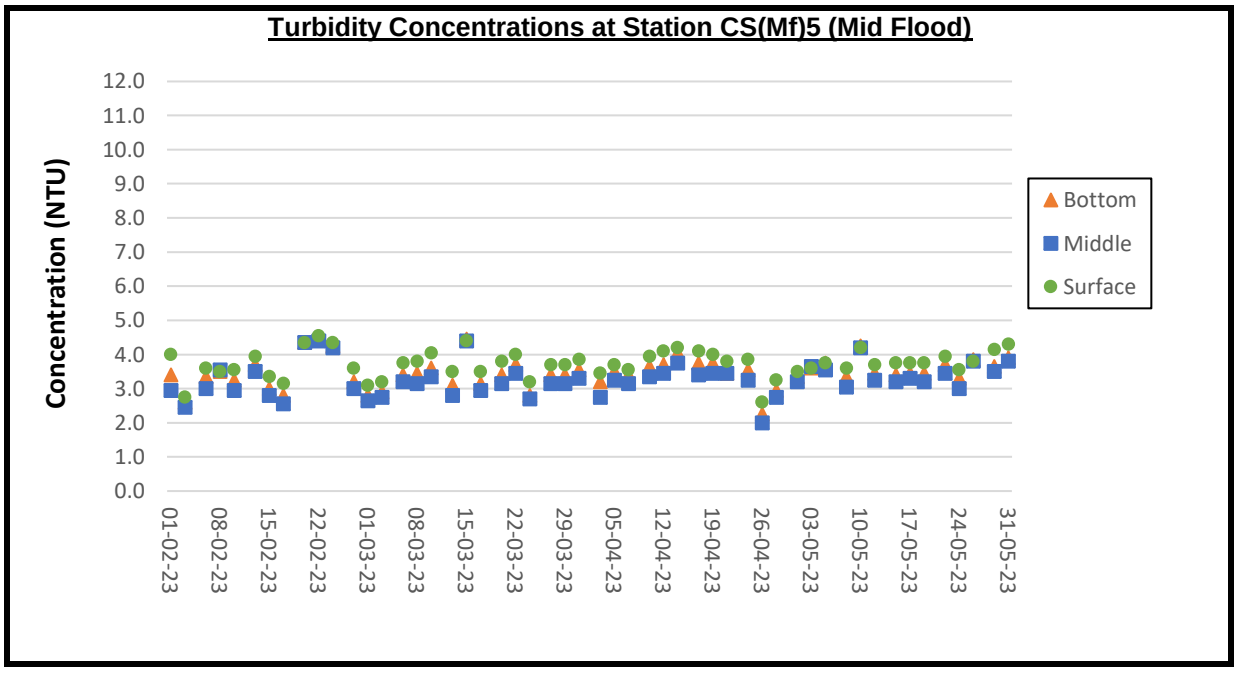
24-05-23
31-05-23
Bottom
Middle
Surface


Turbidity Concentrations at Station CS(Mf)5 (Mid Flood)
Concentration (NTU)
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01-02-23
08-02-23
15-02-23
22-02-23
01-03-23
08-03-23
15-03-23
22-03-23
29-03-23
05-04-23
12-04-23
19-04-23
26-04-23
03-05-23
10-05-23
17-05-23
24-05-23
31-05-23
Bottom
Middle
Surface

APPENDIX F

Event and Action Plan

Event and Action Plan for Air Quality

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

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

Event and Action Plan for Noise

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

Event and Action Plan for Water Quality

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

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

Event and Action Plan for Dolphin Monitoring

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

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

Event and Action Plan for Mudflat Monitoring

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

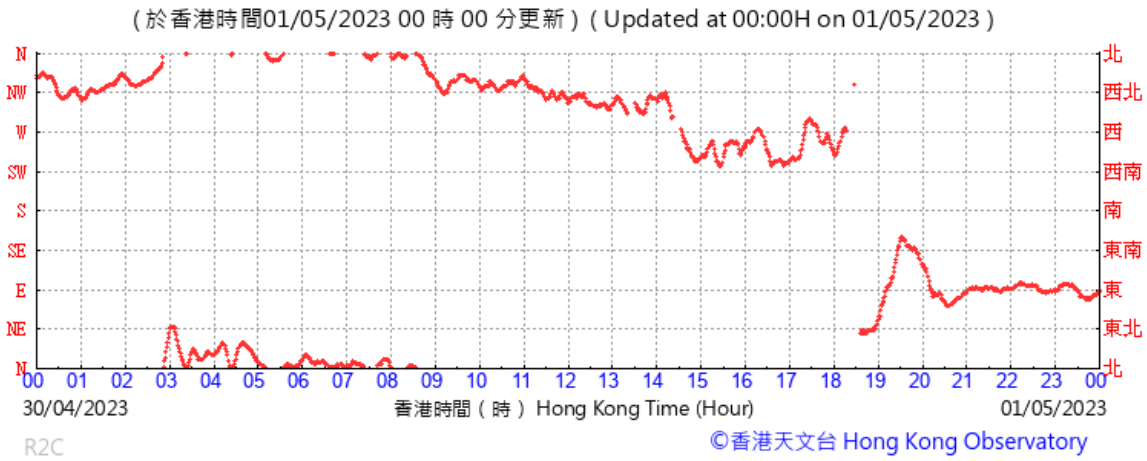
Action Plan for Landscape Works

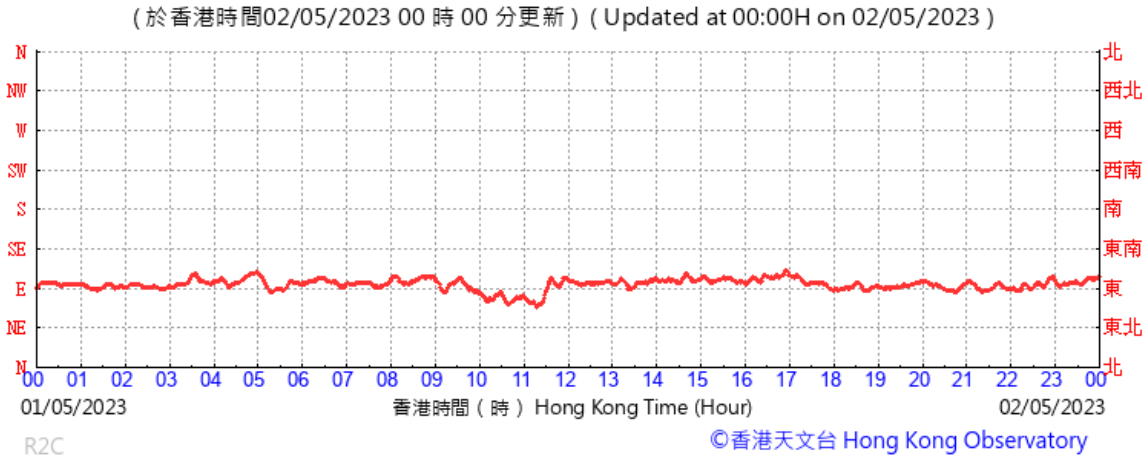
Event	ACTION			
	ET Leader	IEC	SO	Contractor
Conflicts occur	● Check Contractor's proposed remedial design conforms to the requirements of EP and prepare checking report(s)	● Check and endorse ET's report(s). ● Check and certify Contractor's proposed remedial design	● Supervise the Contractor to carry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

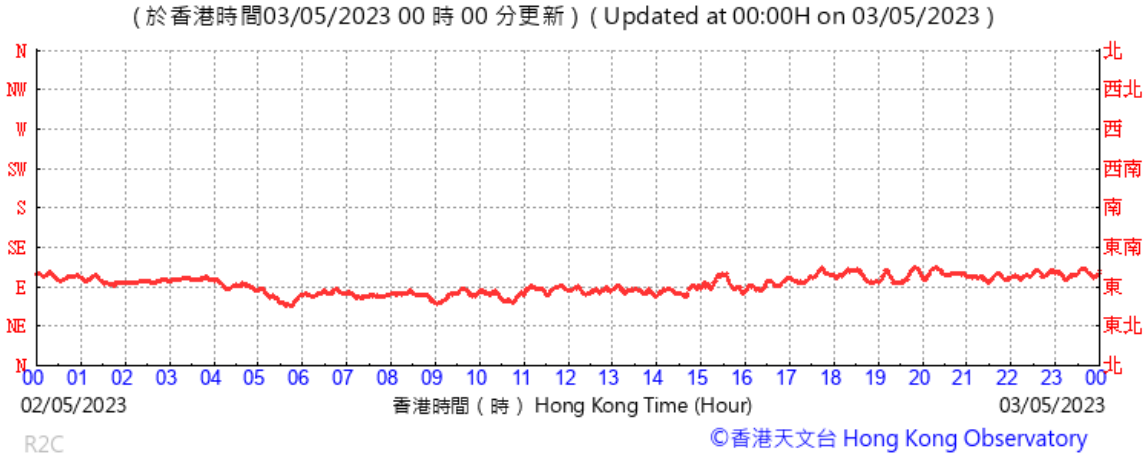
APPENDIX G

Wind Data

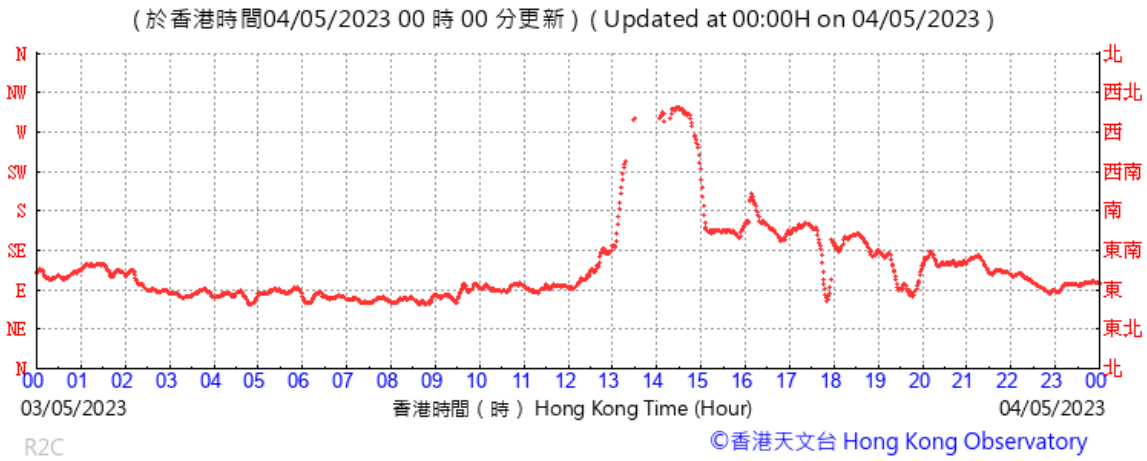
Extracted from Hong Kong Observatory's Chek Lap Kok Weather Station

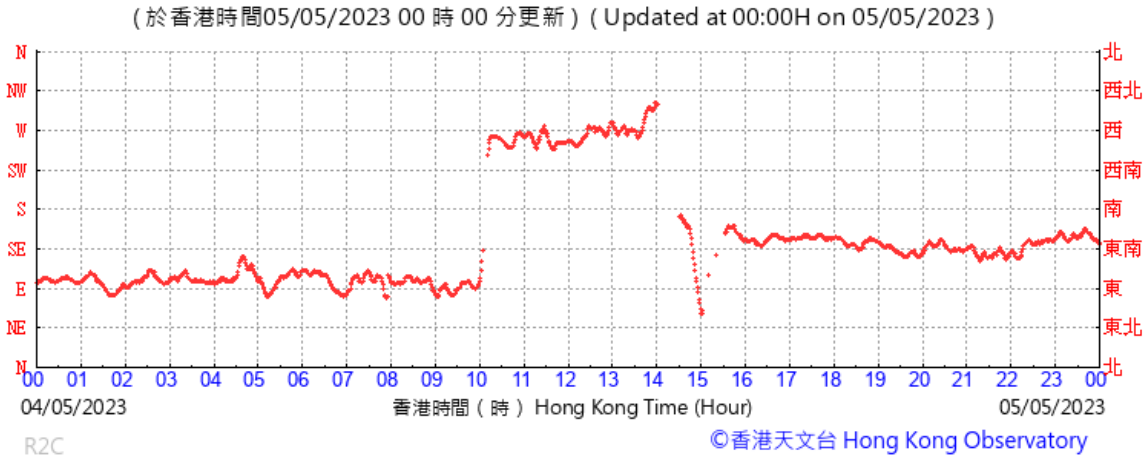


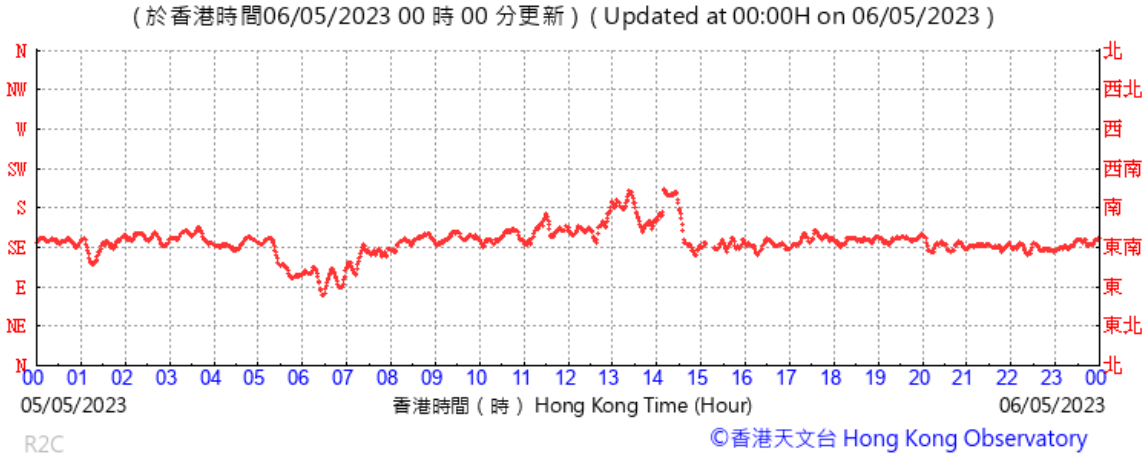




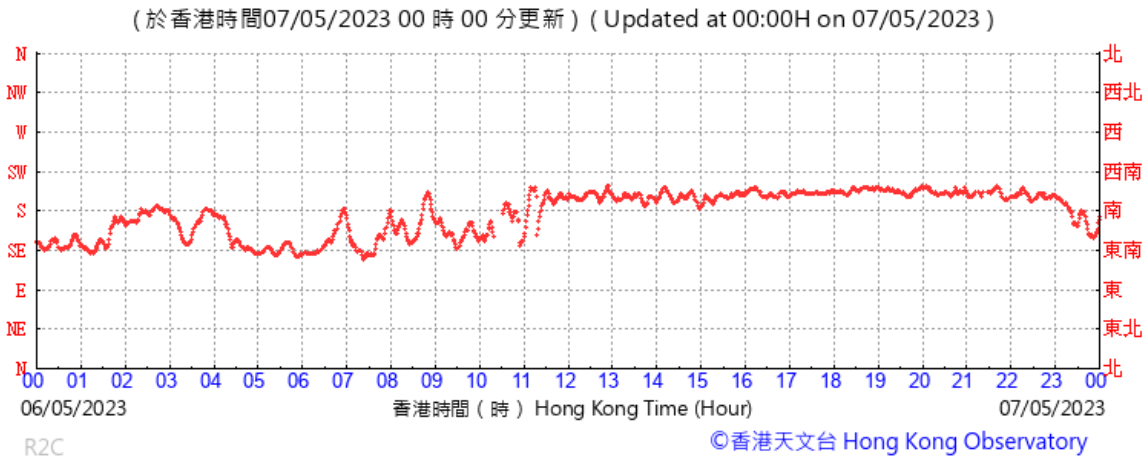
Extracted from Hong Kong Observatory's Chek Lap Kok Weather Station

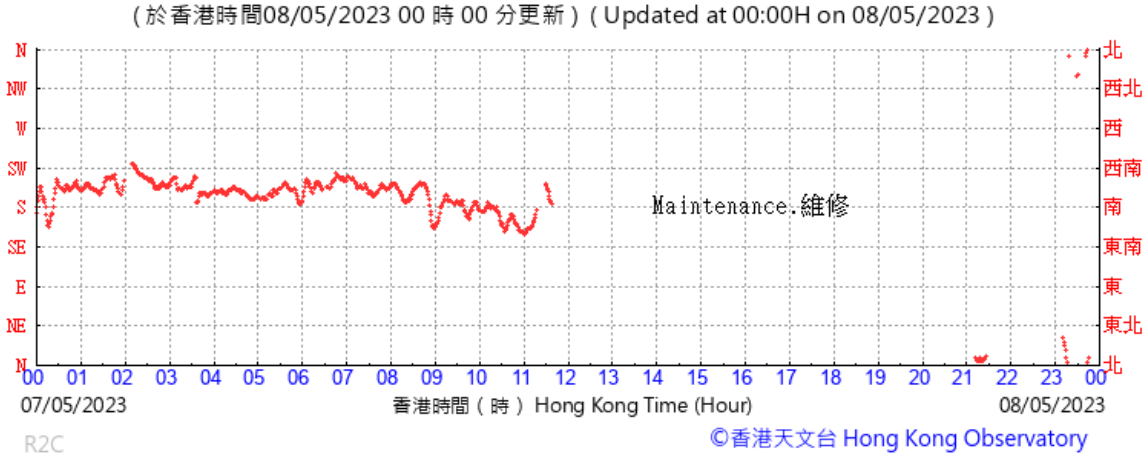


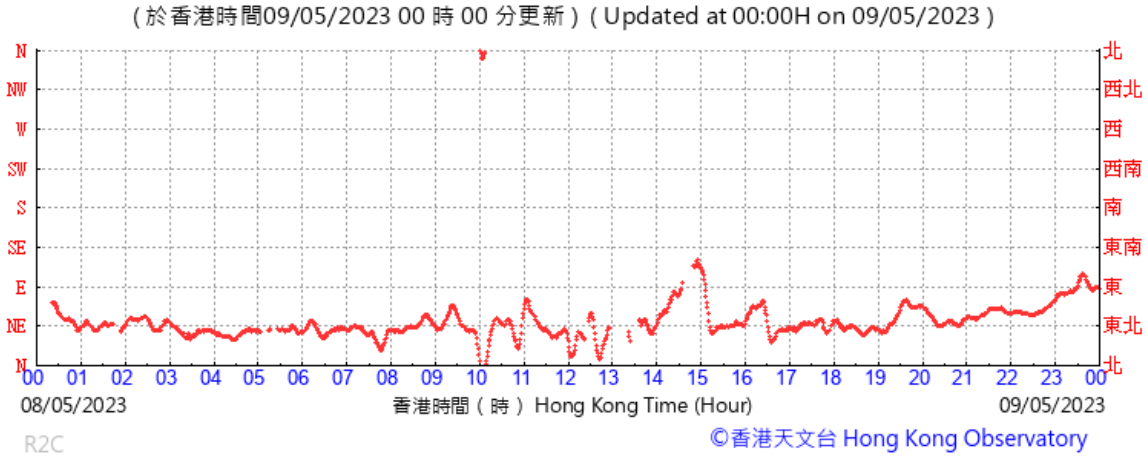




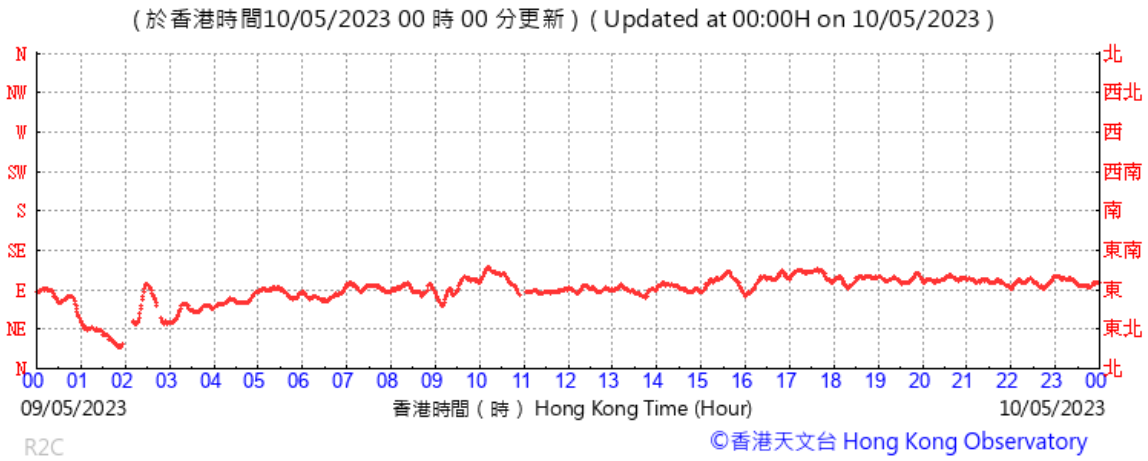
Extracted from Hong Kong Observatory's Chek Lap Kok Weather Station

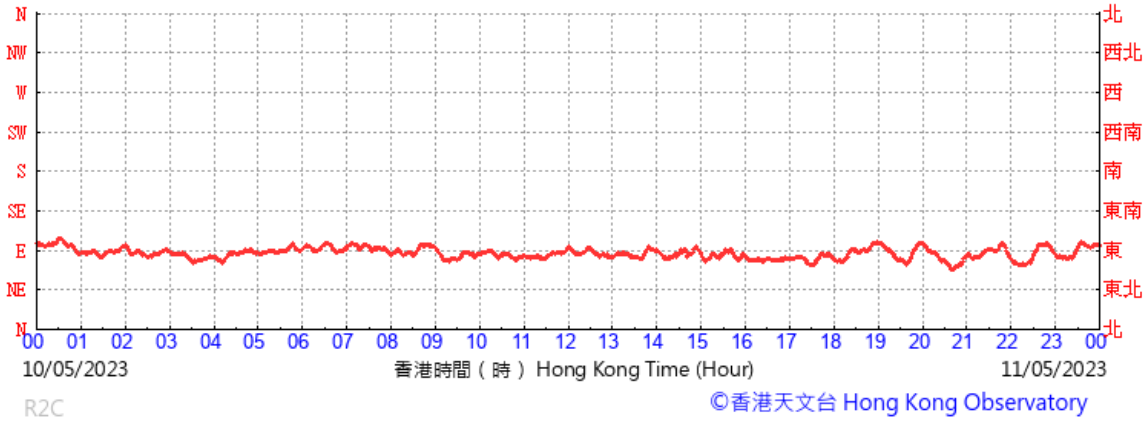


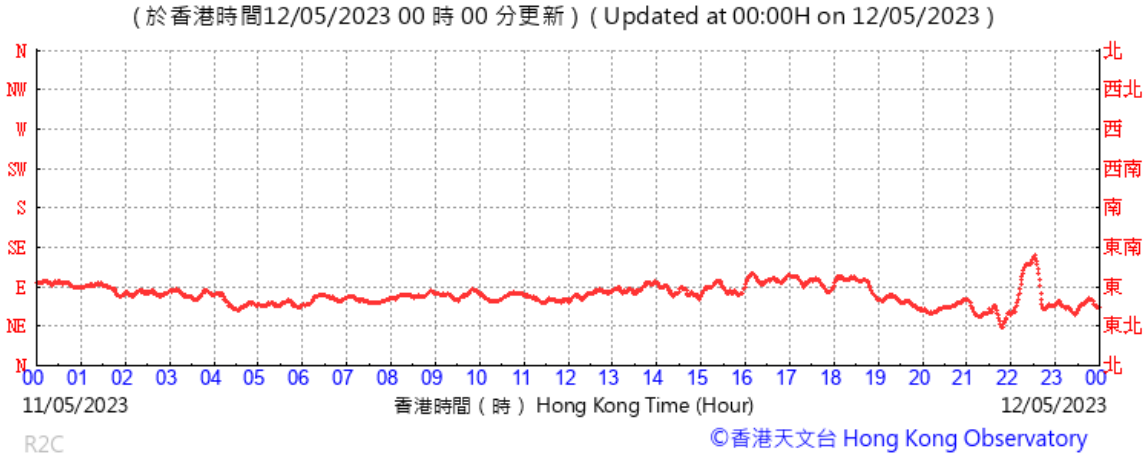




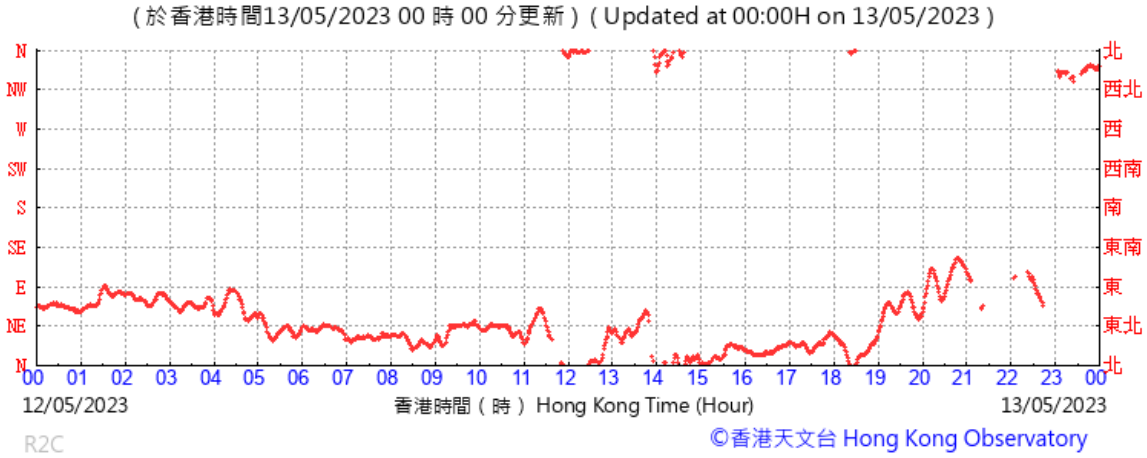
Extracted from Hong Kong Observatory's Chek Lap Kok Weather Station

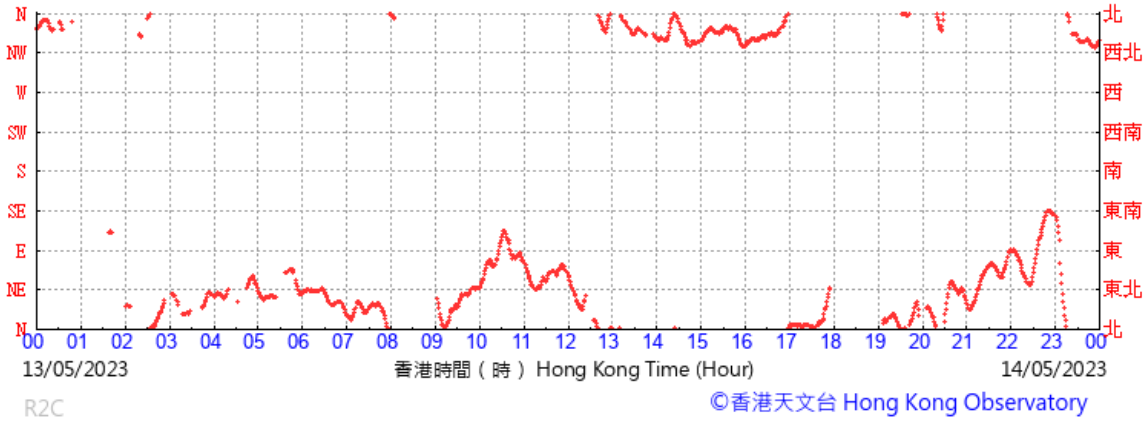


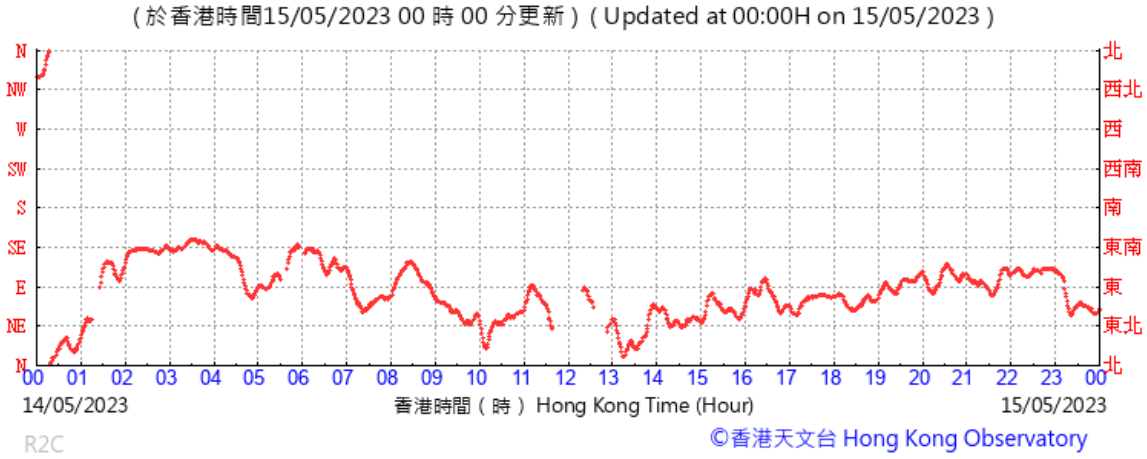




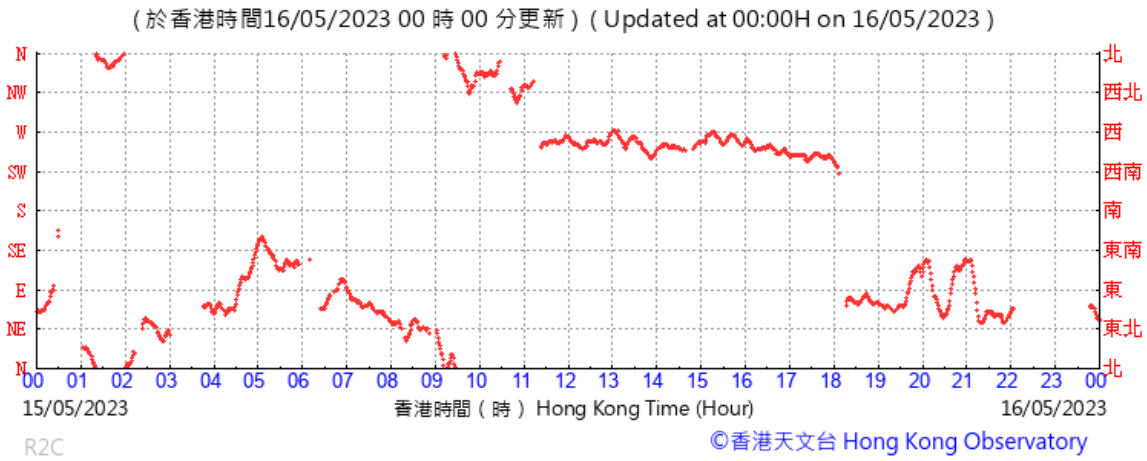
Extracted from Hong Kong Observatory's Chek Lap Kok Weather Station

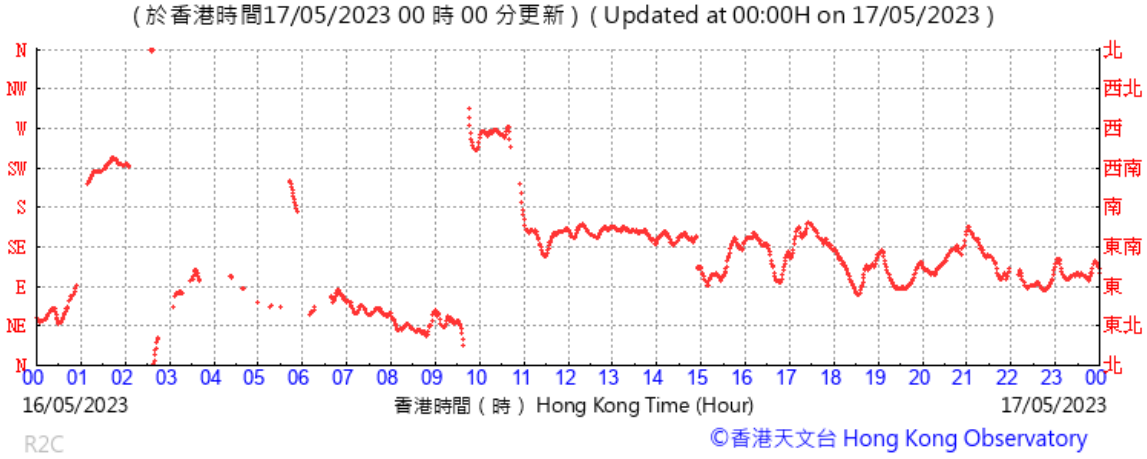


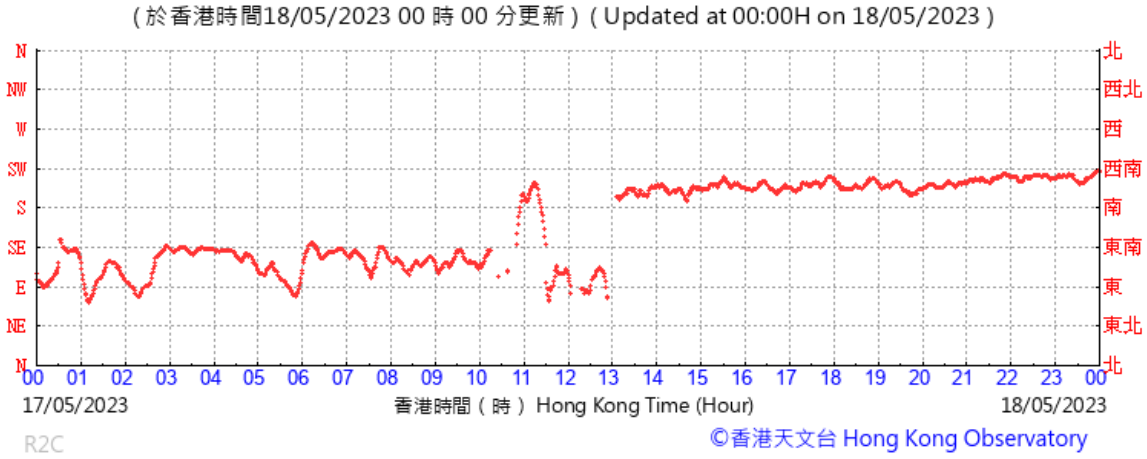




Extracted from Hong Kong Observatory's Chek Lap Kok Weather Station







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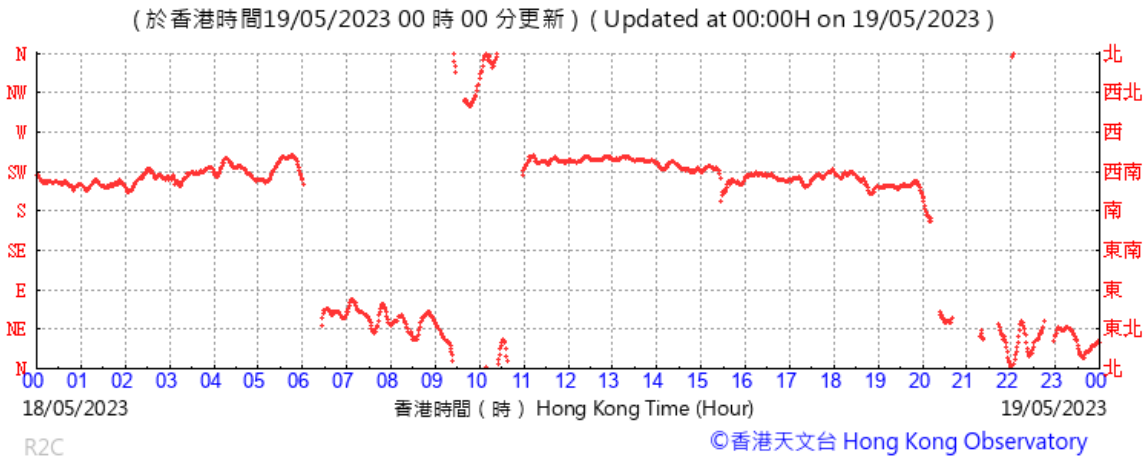

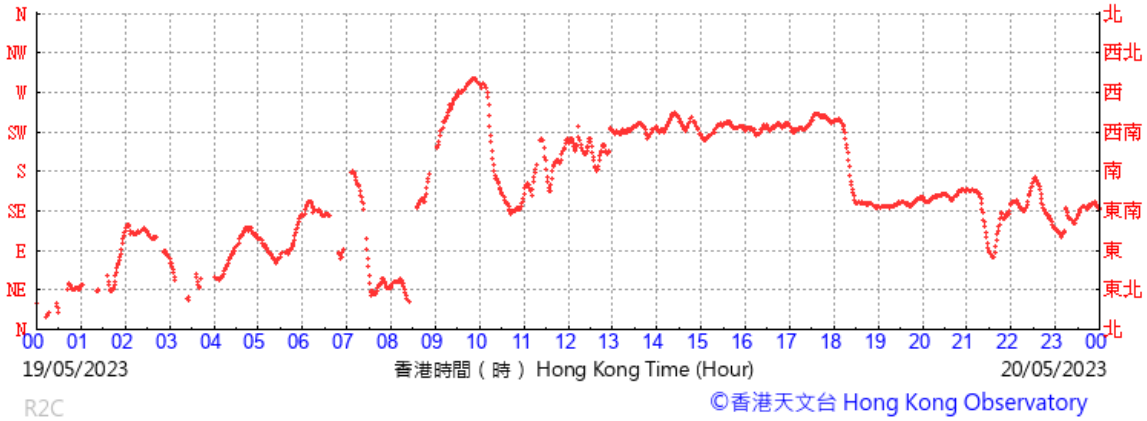

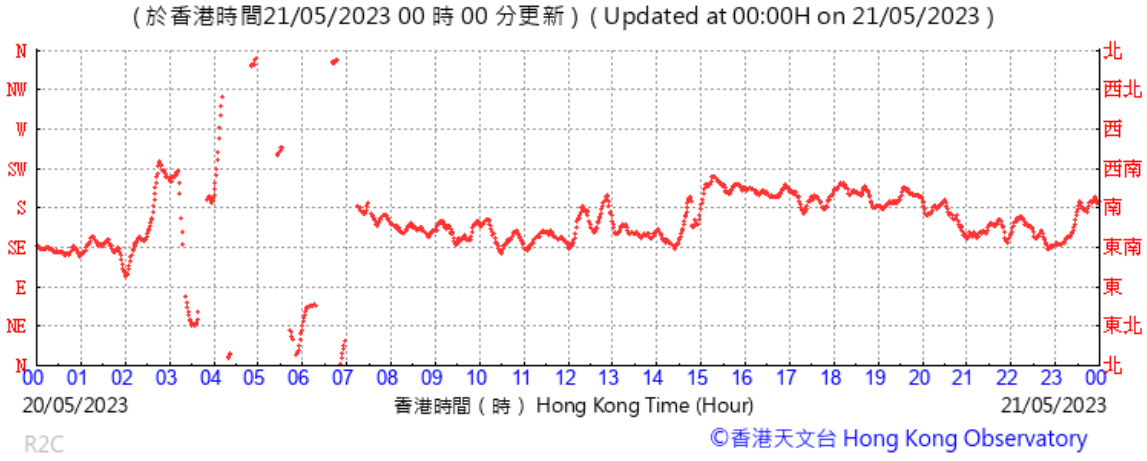

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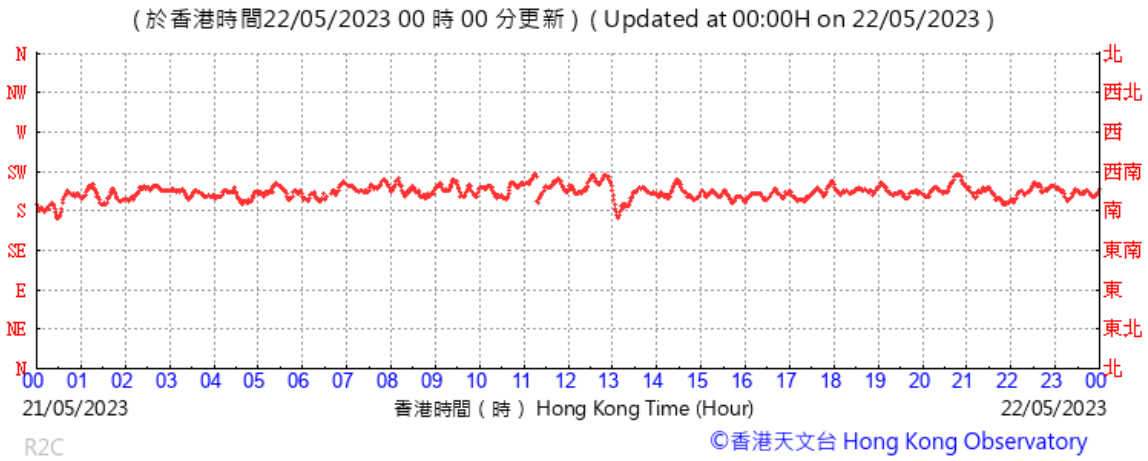

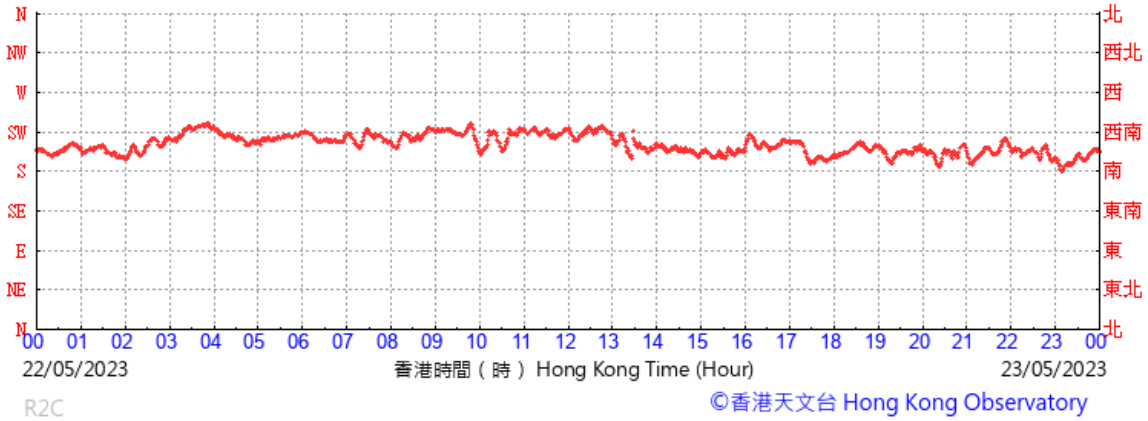

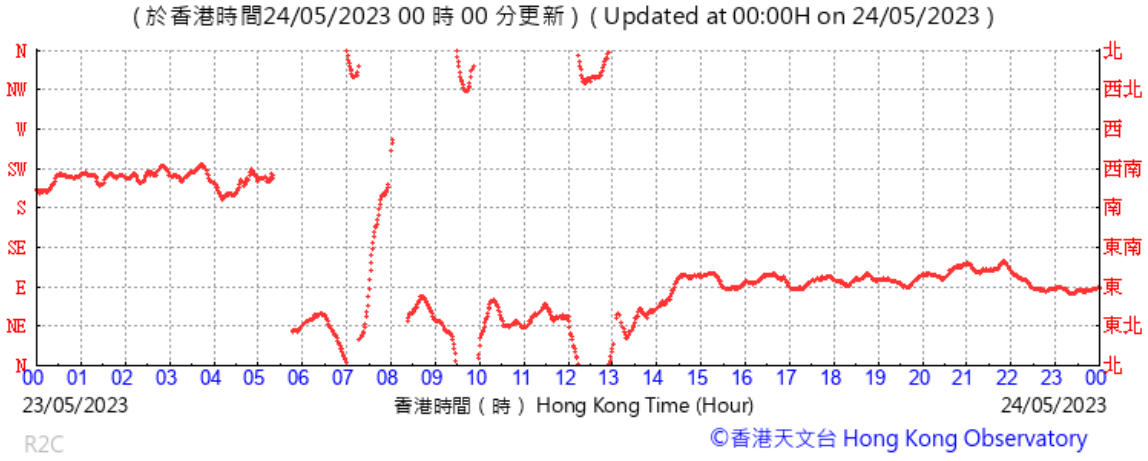

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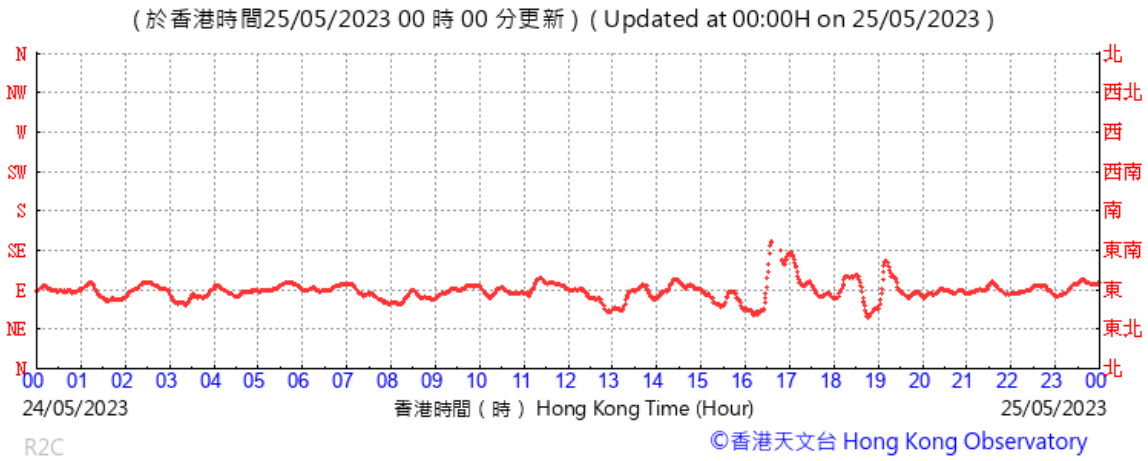

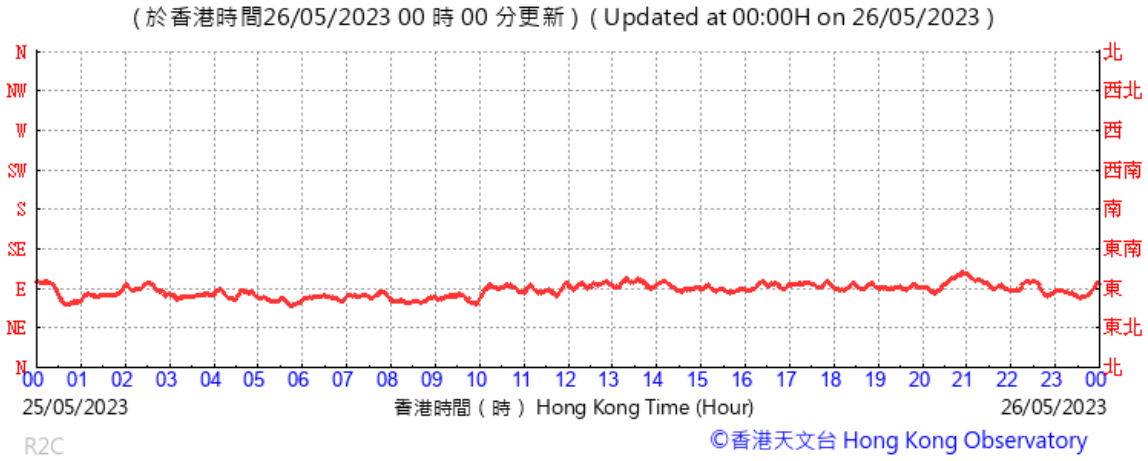

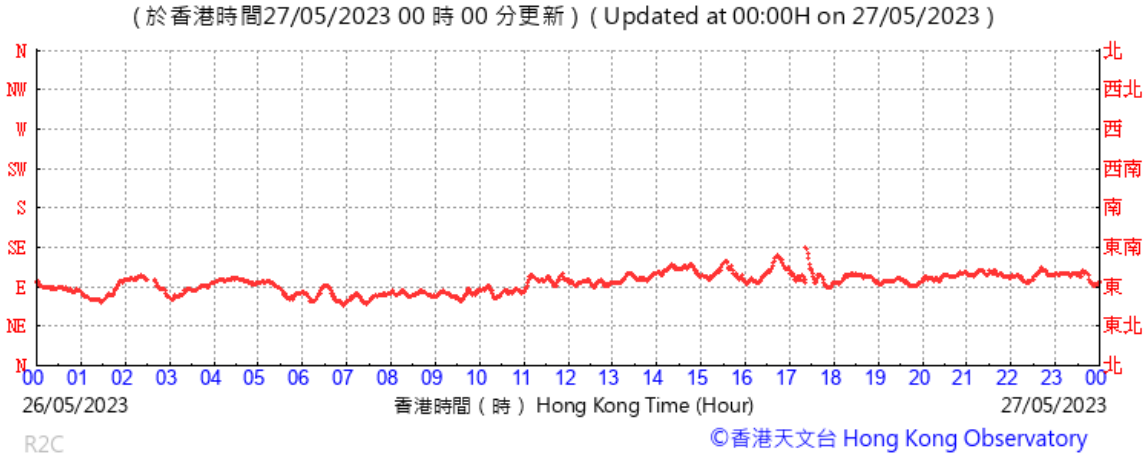

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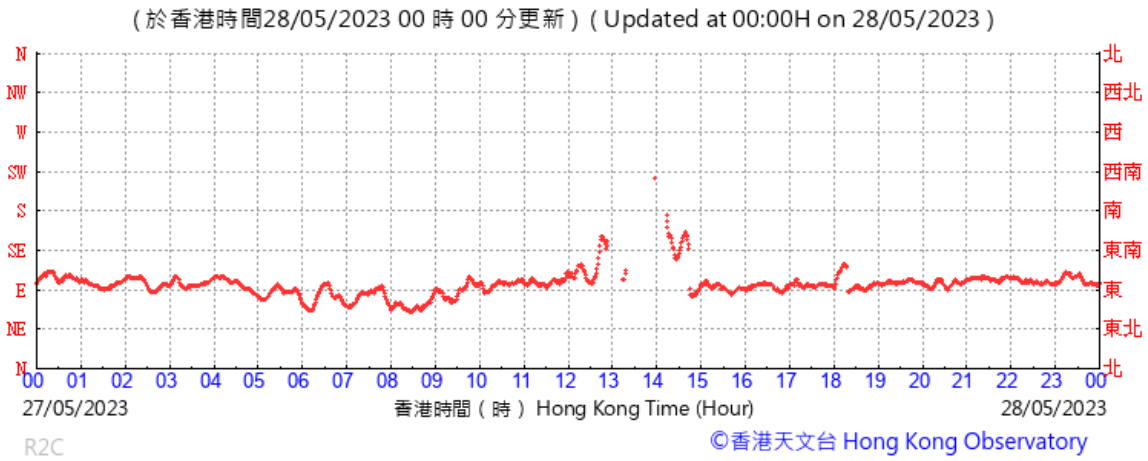

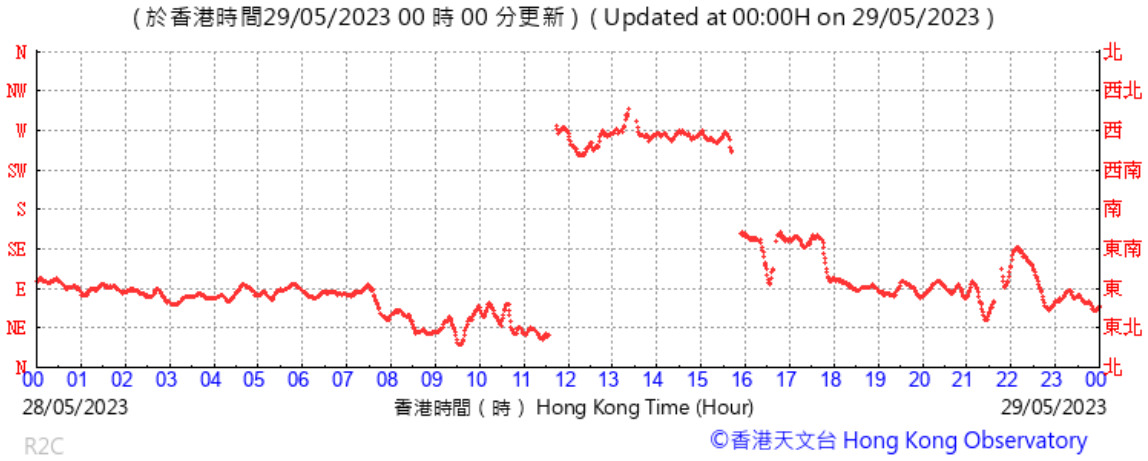

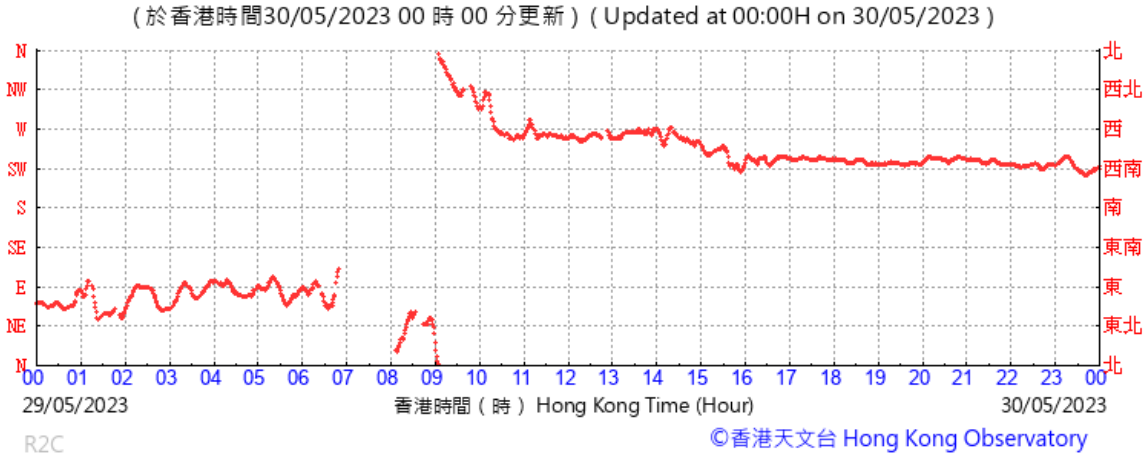

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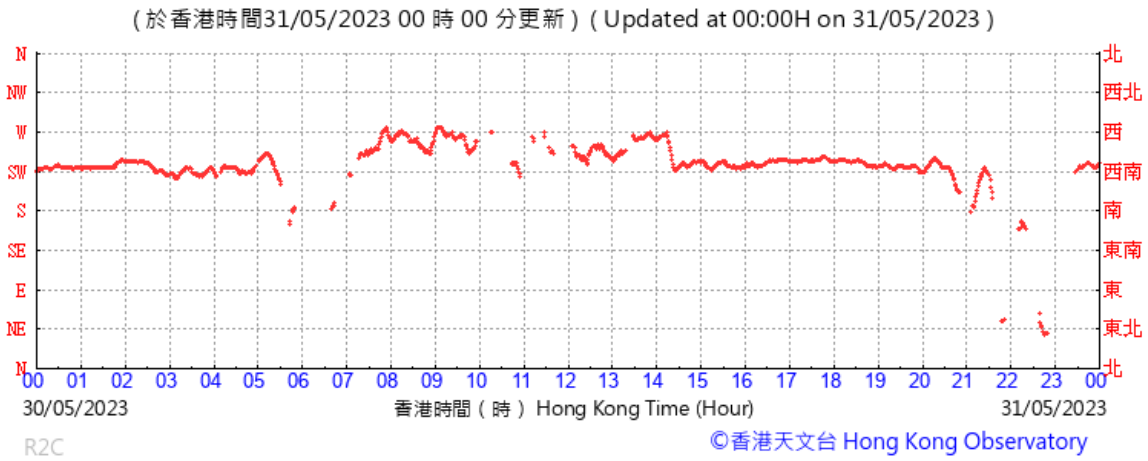

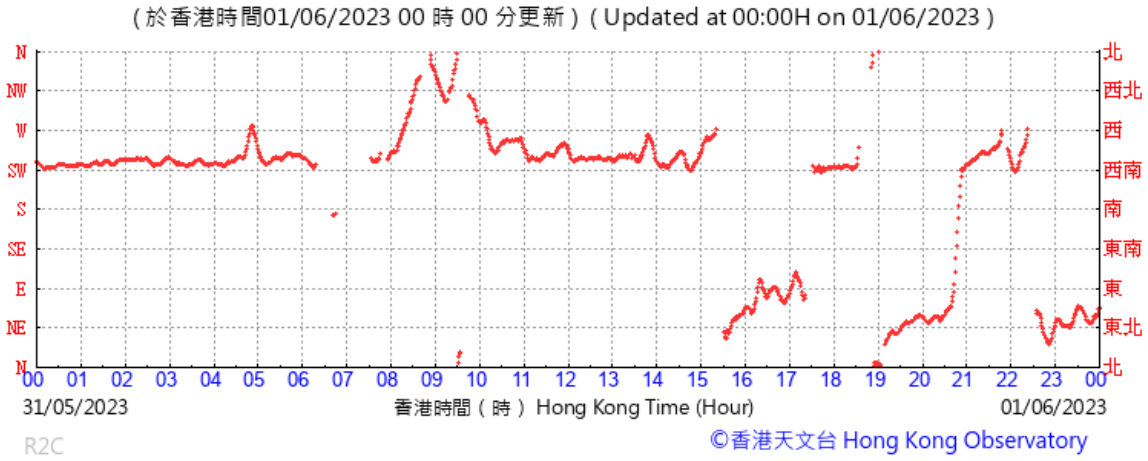

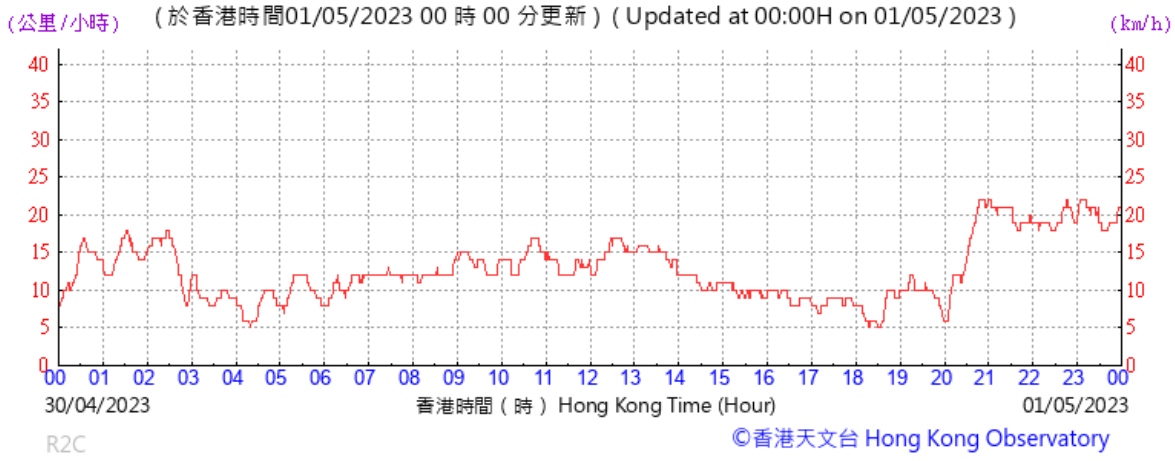

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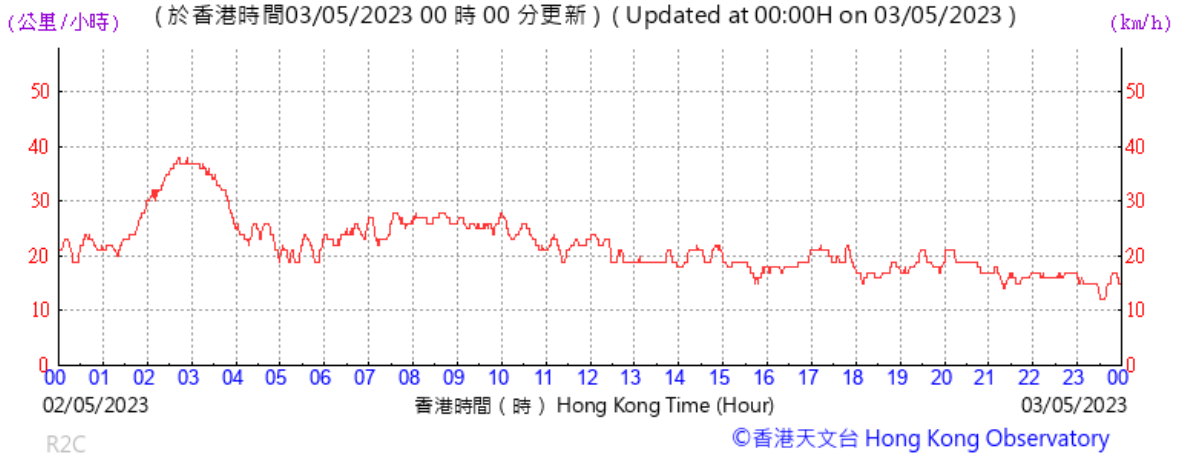

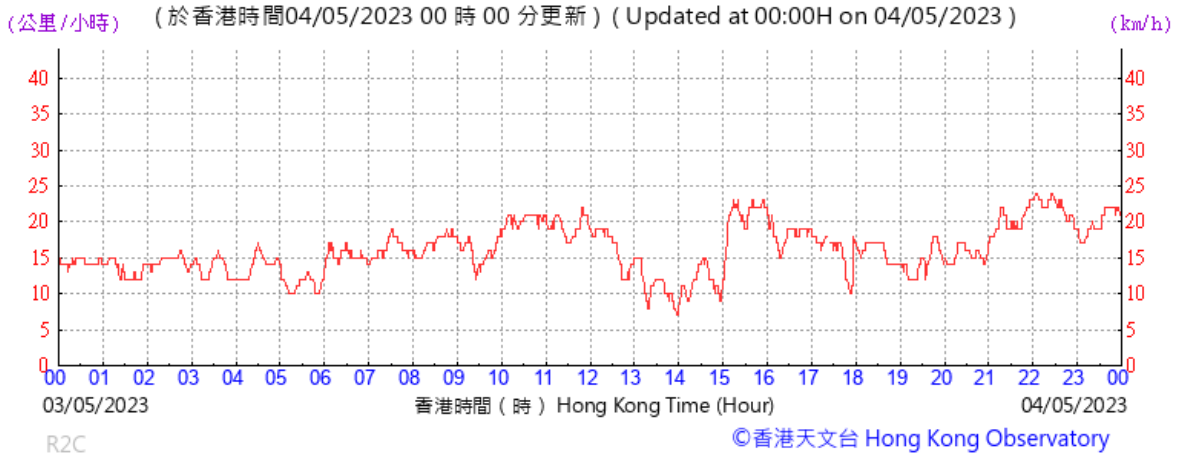

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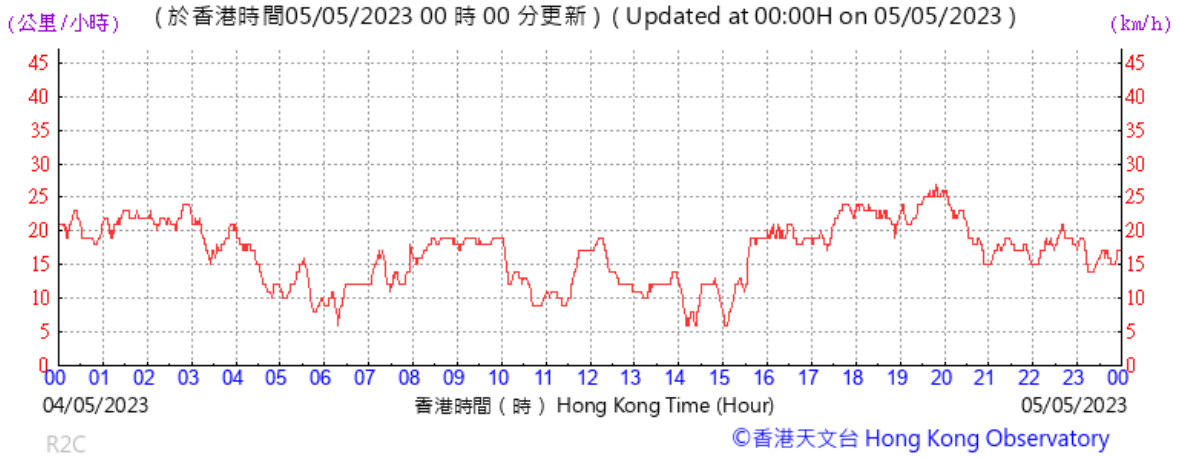

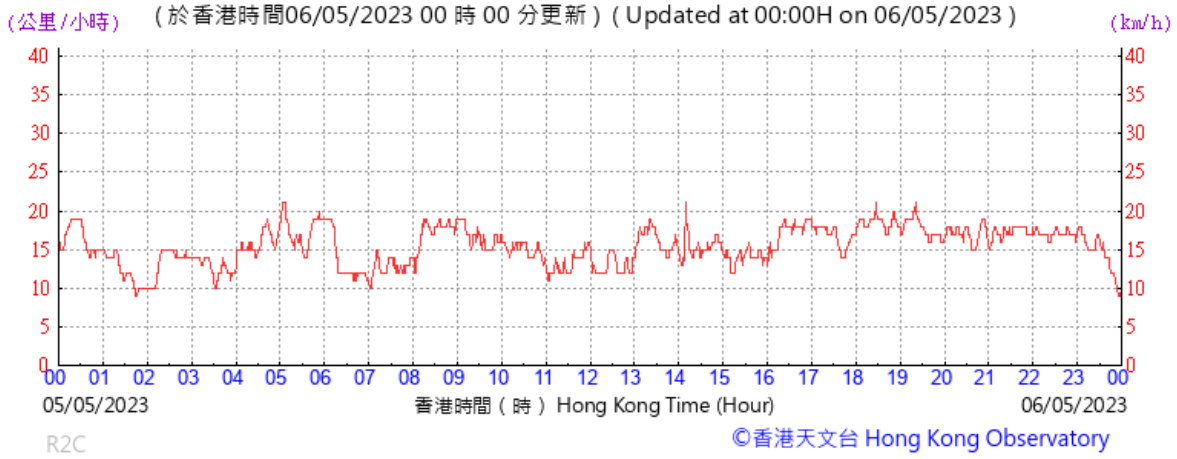

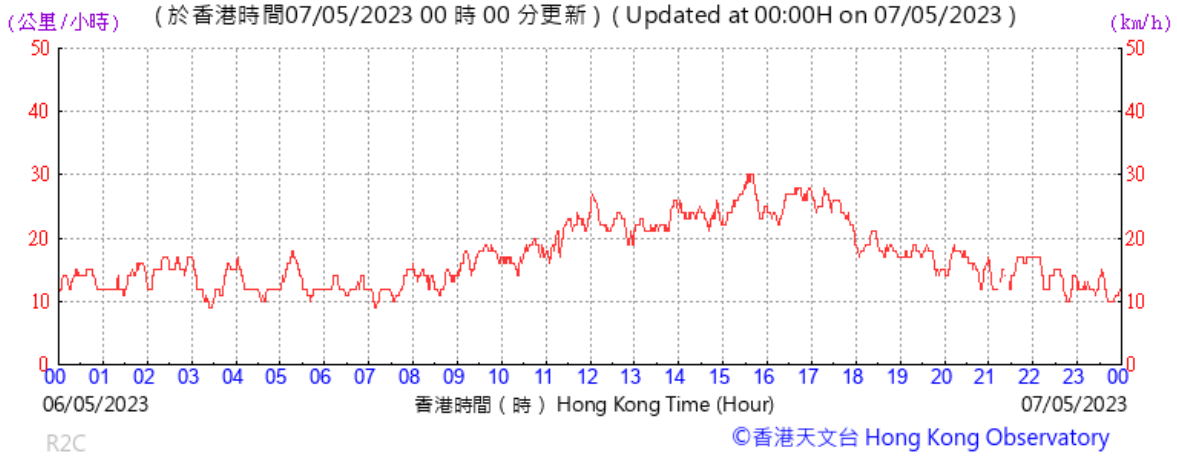

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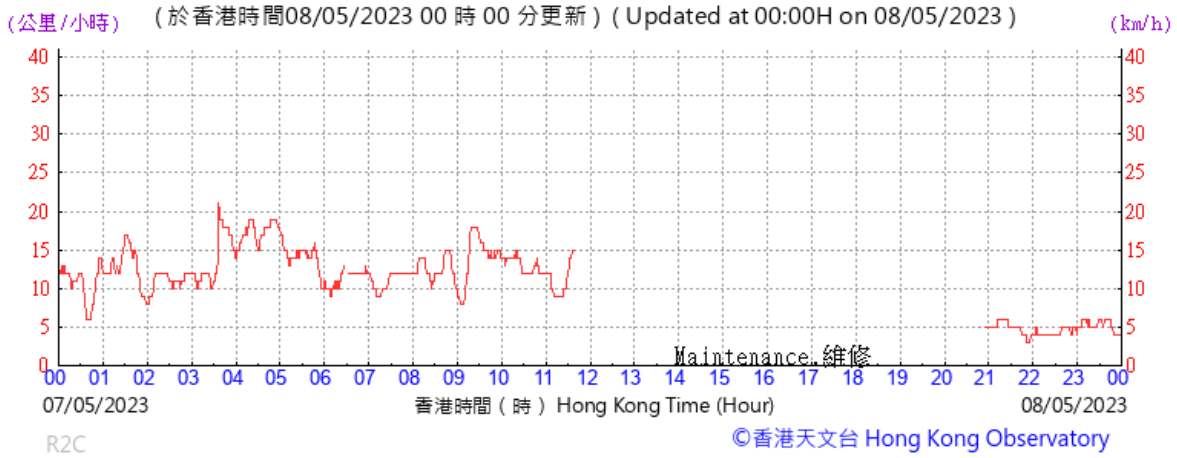

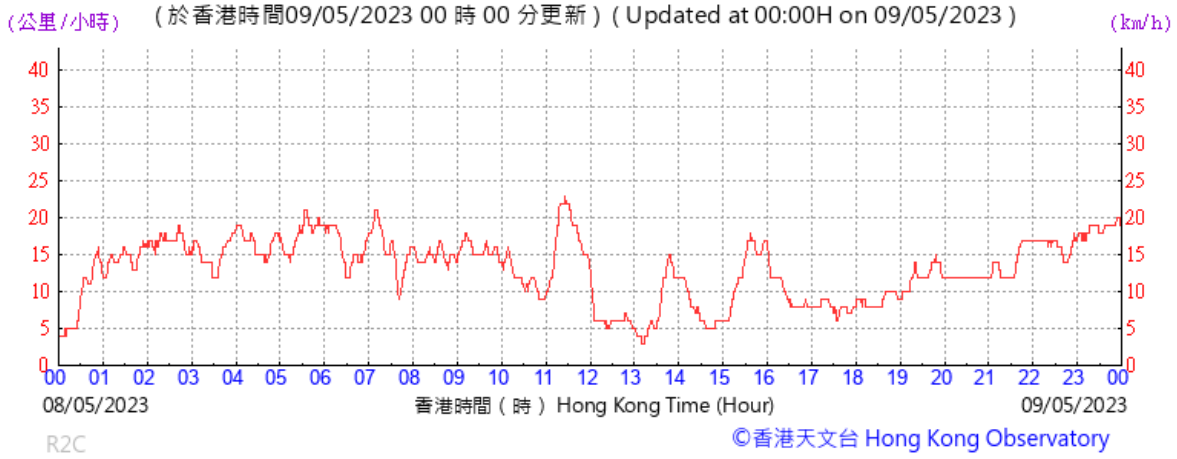

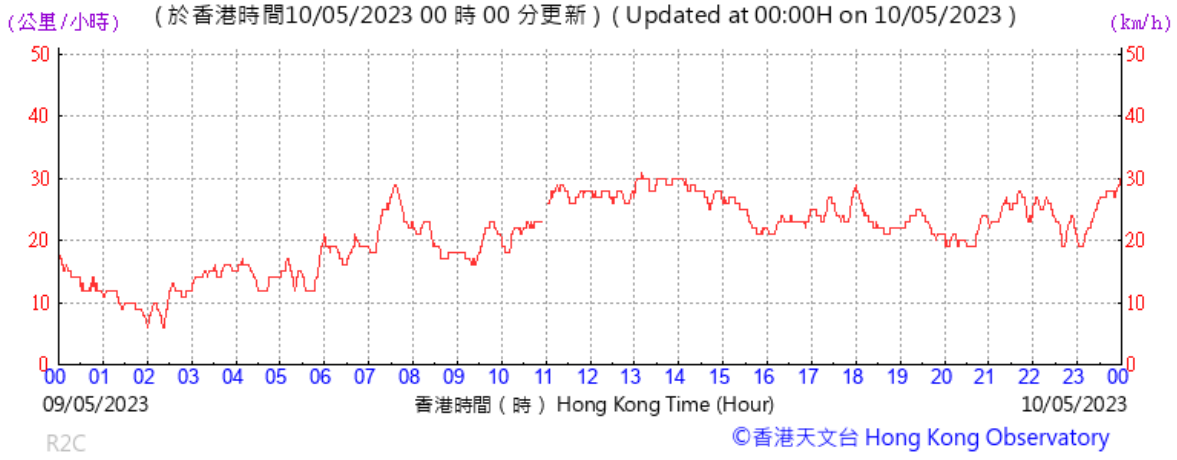

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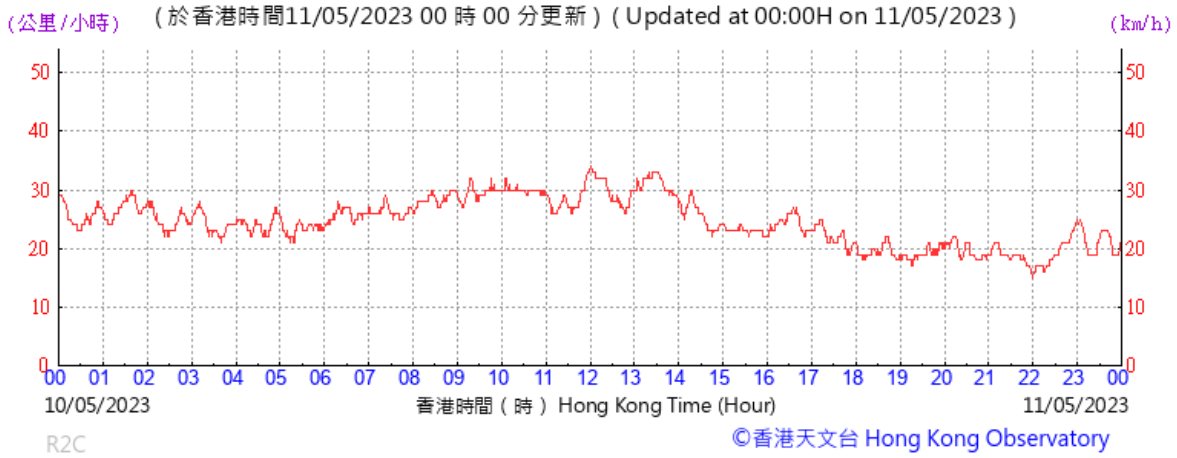

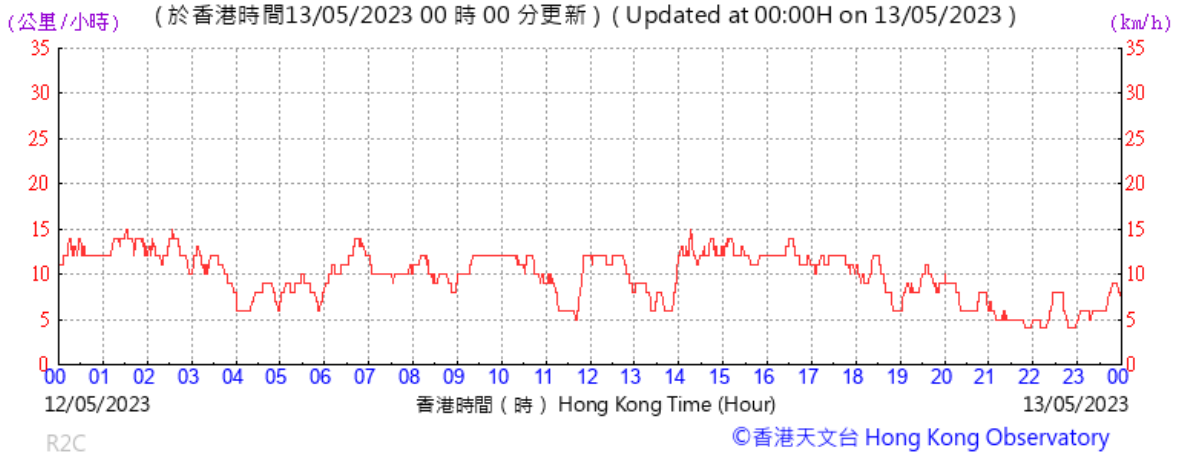

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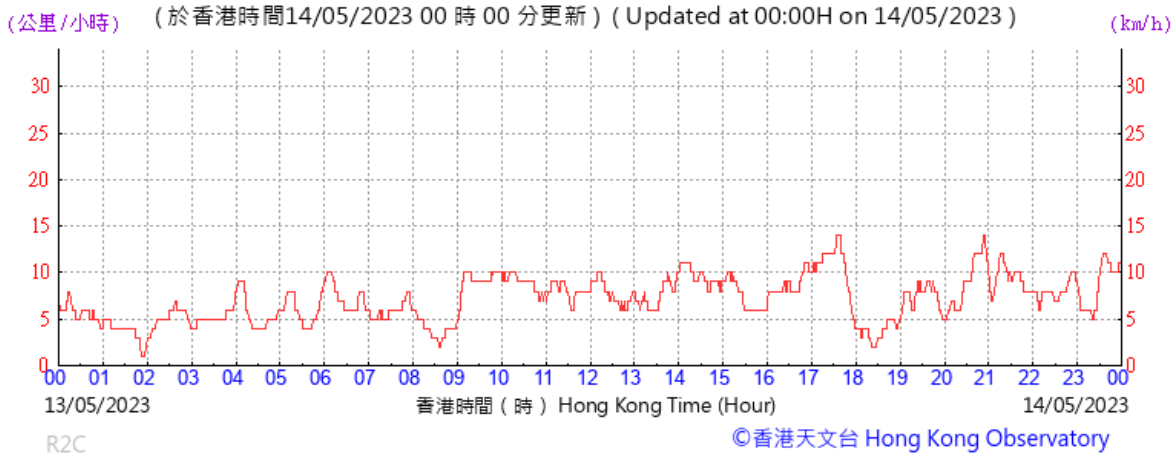

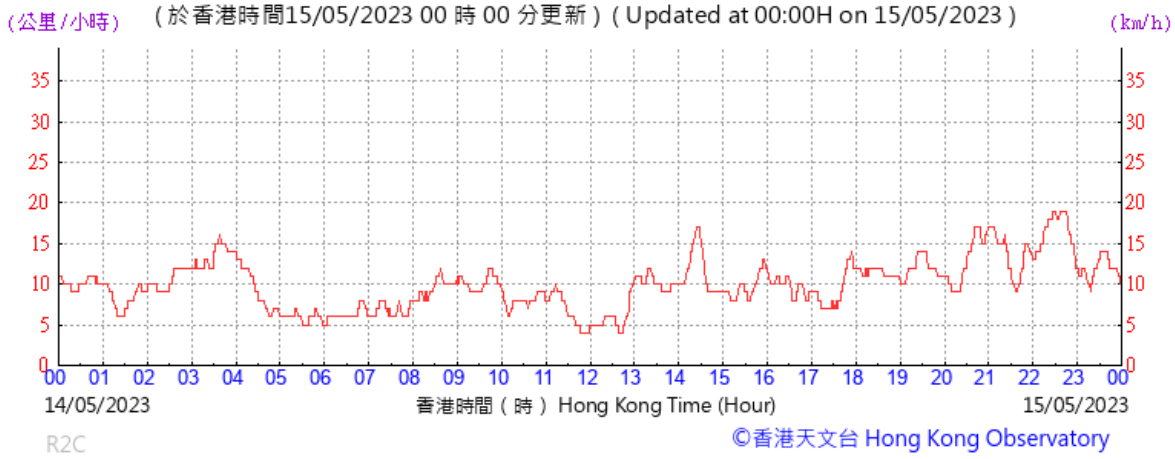

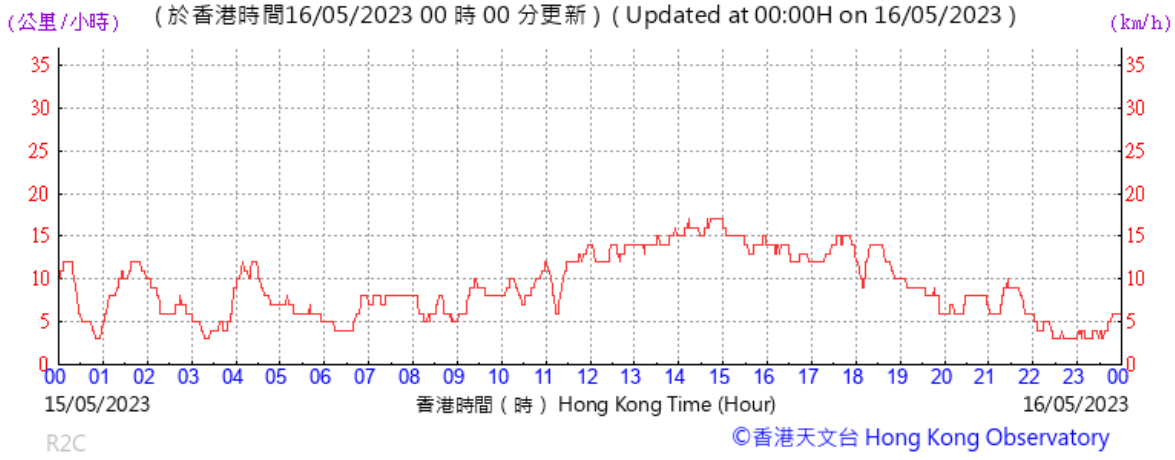

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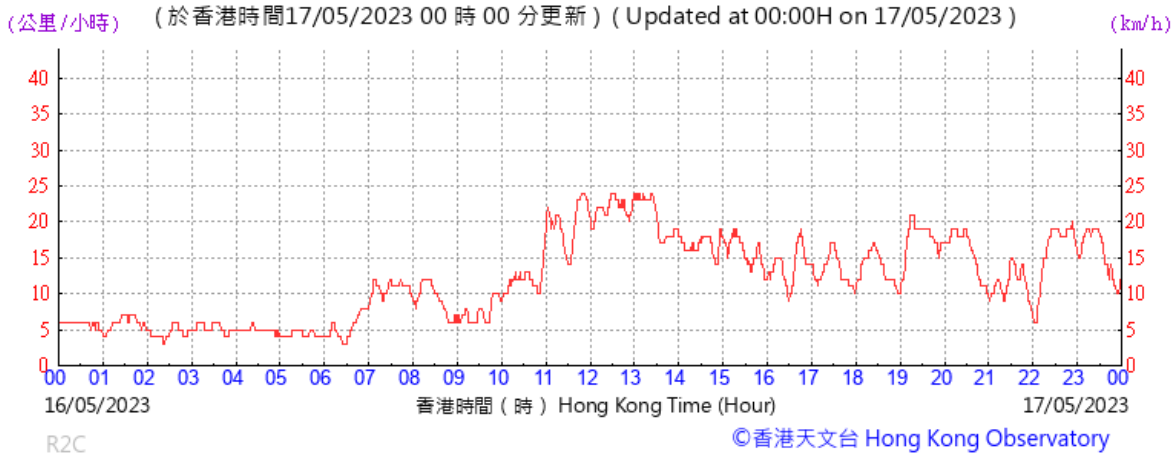

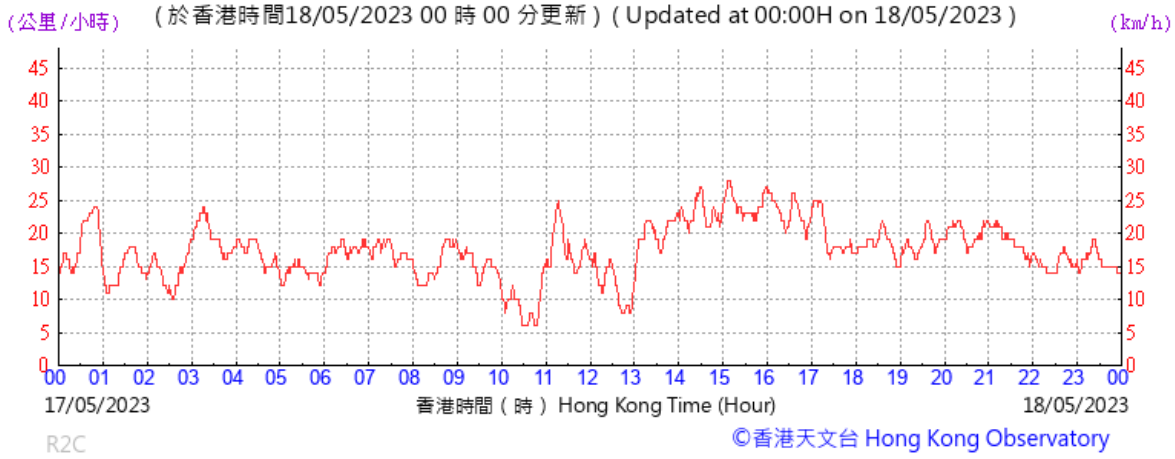

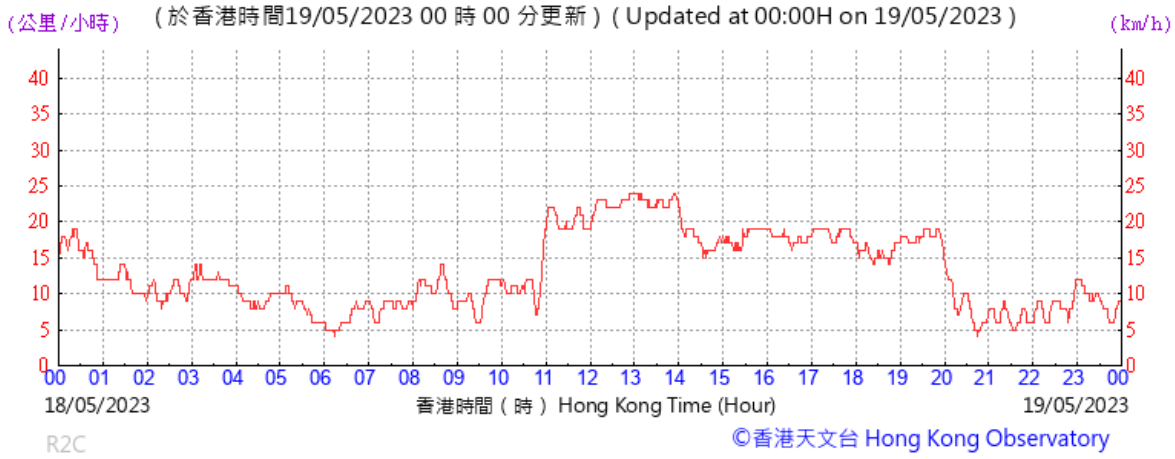

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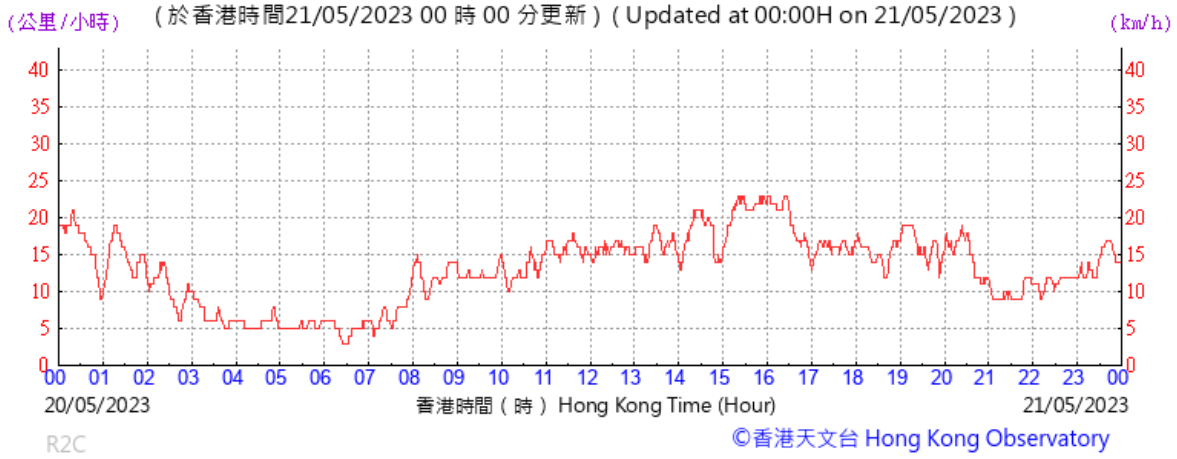

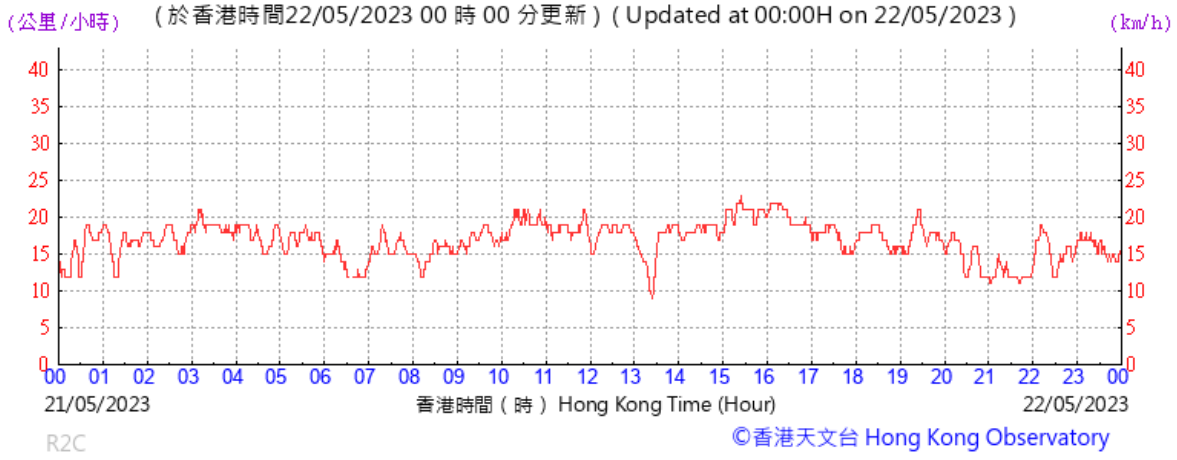

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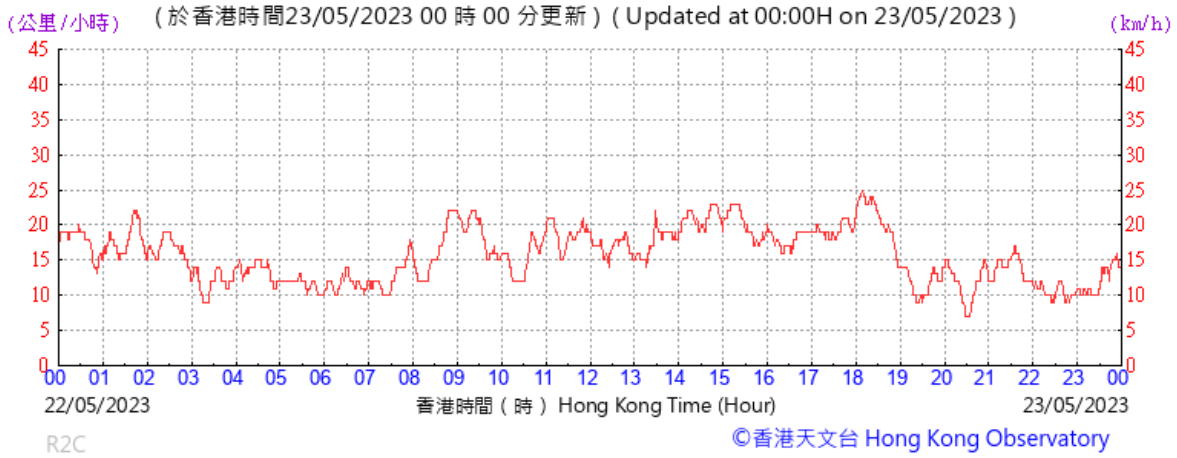

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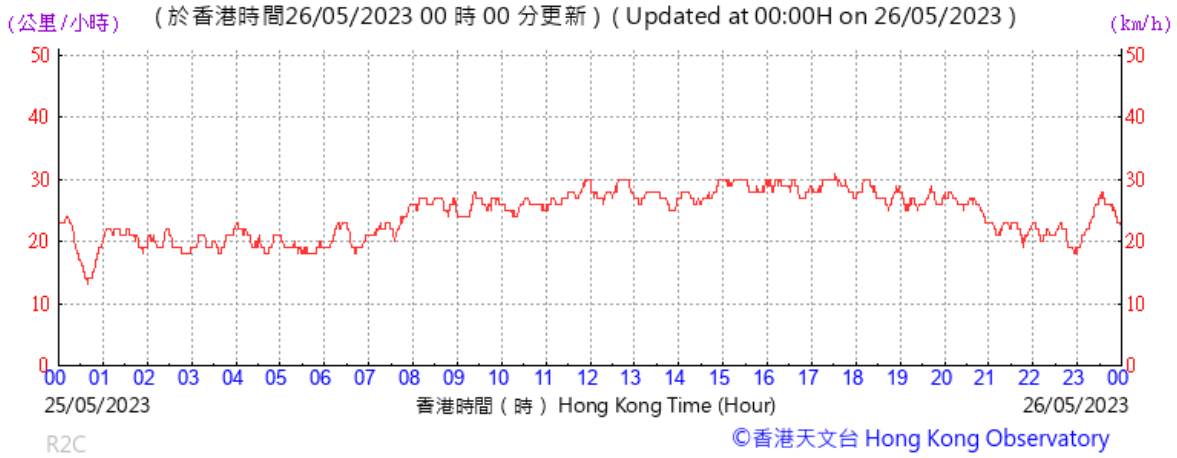

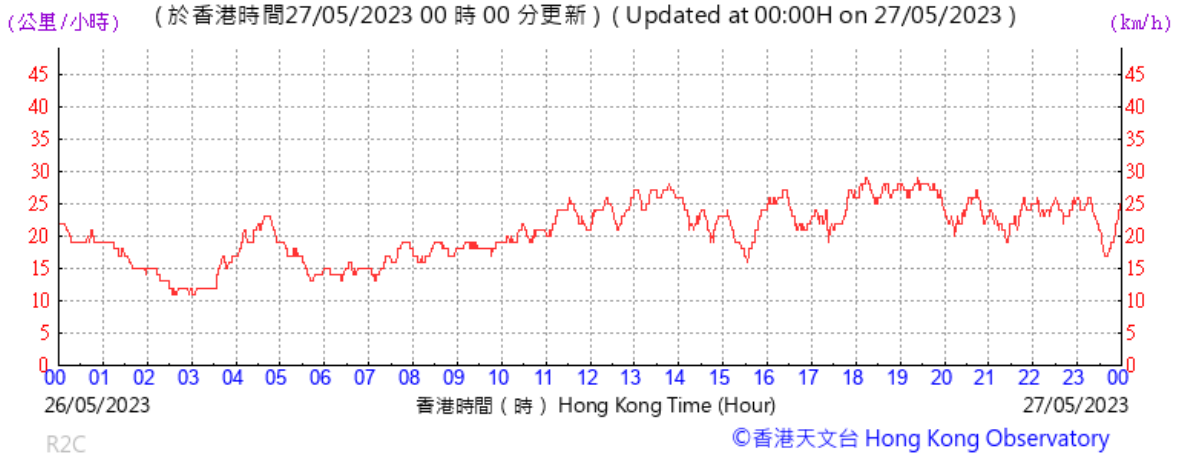

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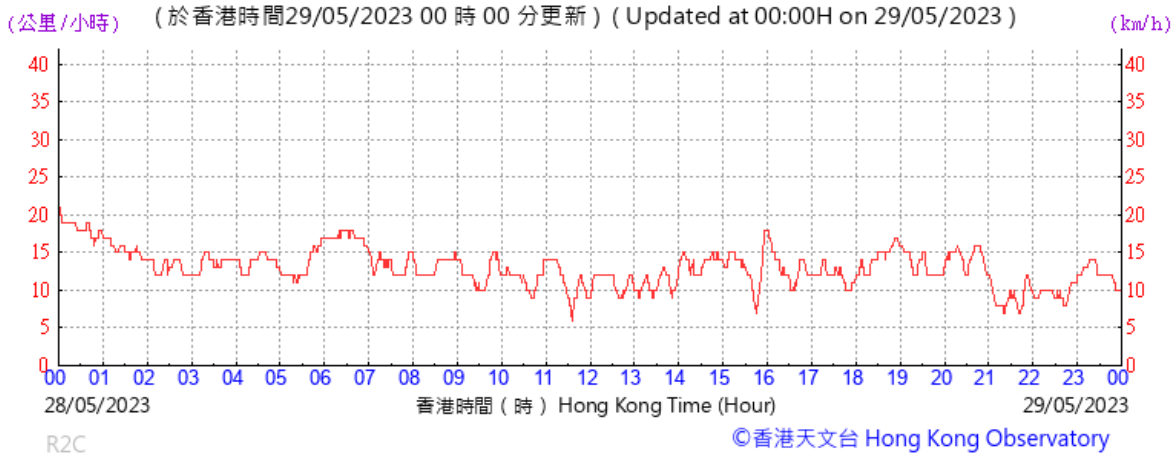

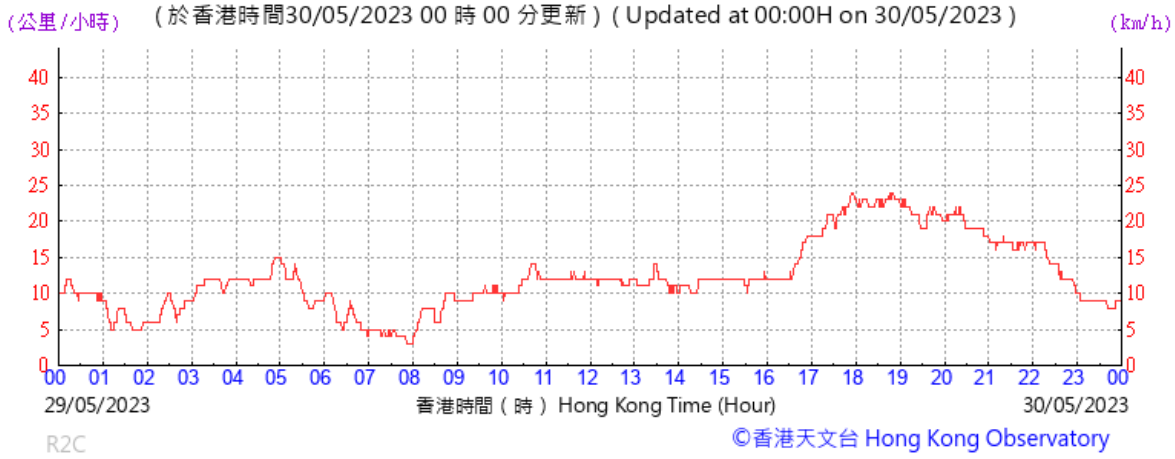

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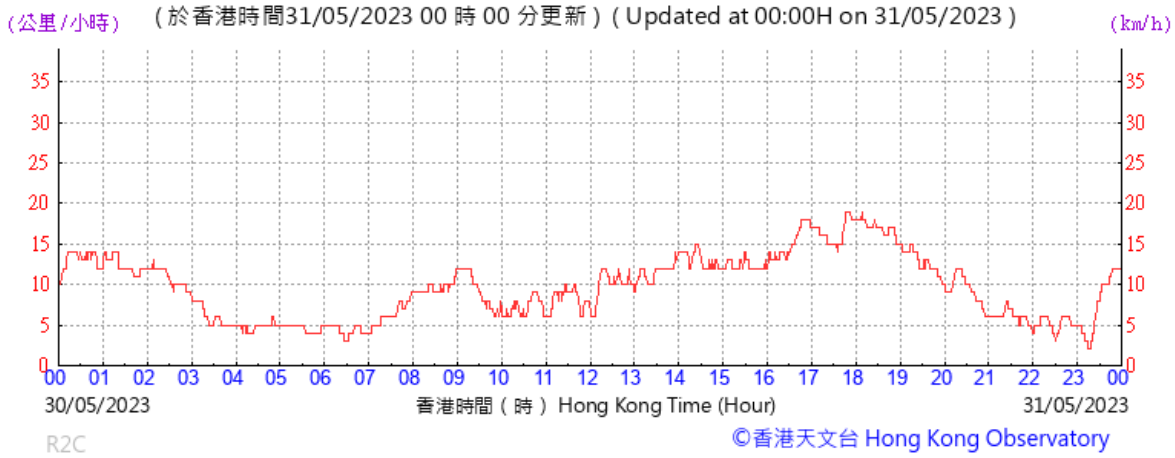

APPENDIX H

Dolphin Monitoring Results

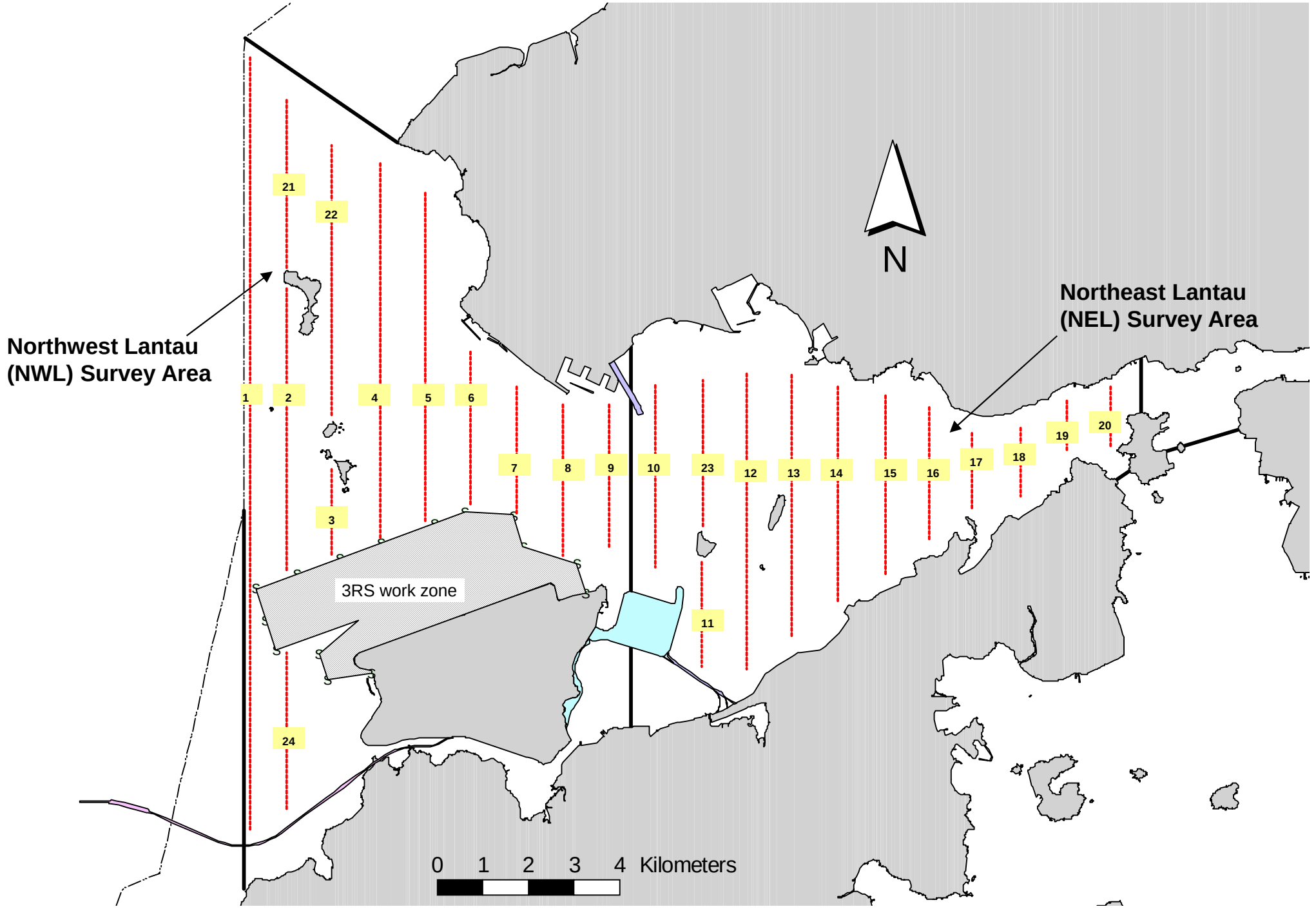

Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

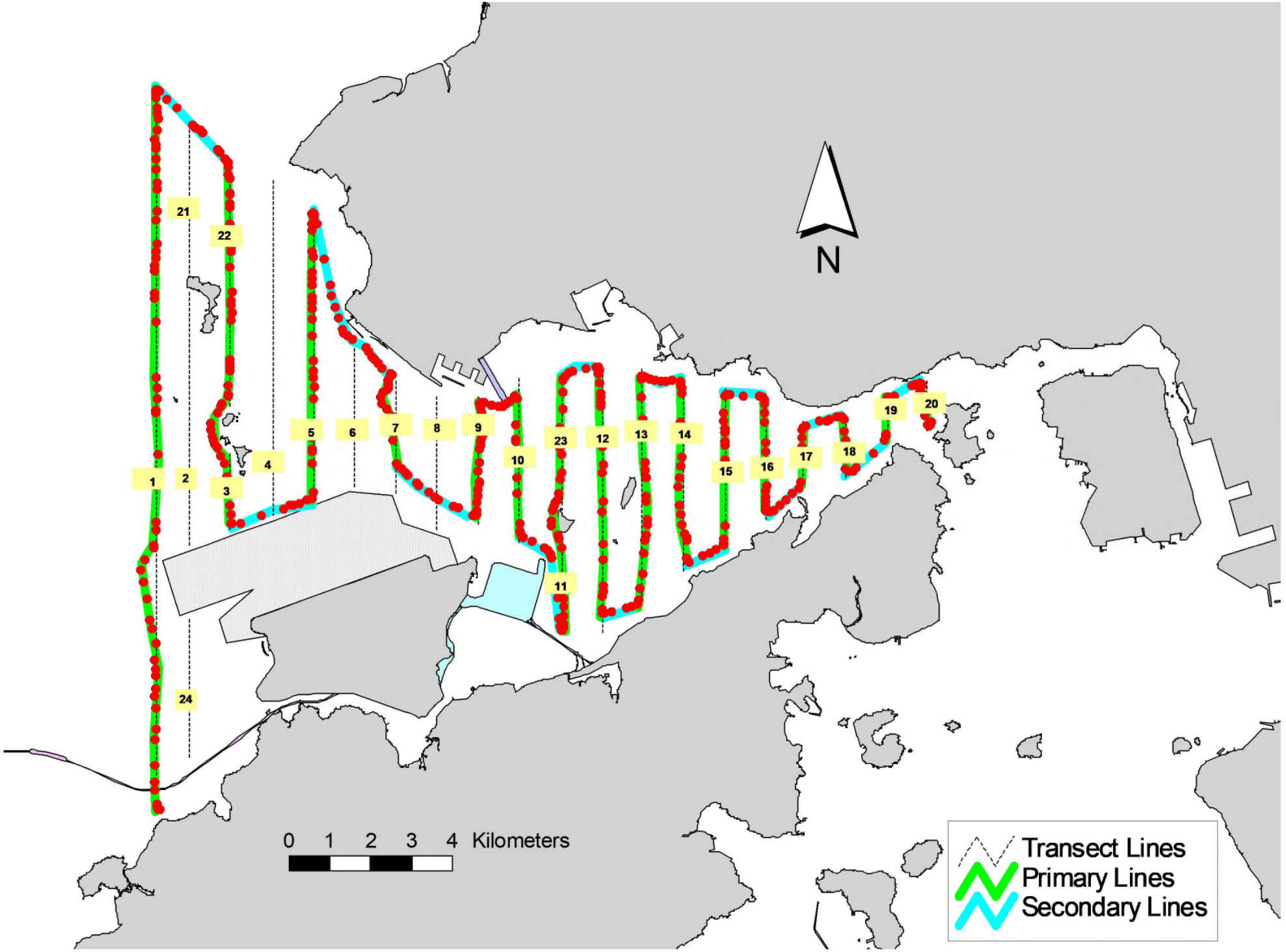

Figure 2. Survey Route on May 2nd, 2023

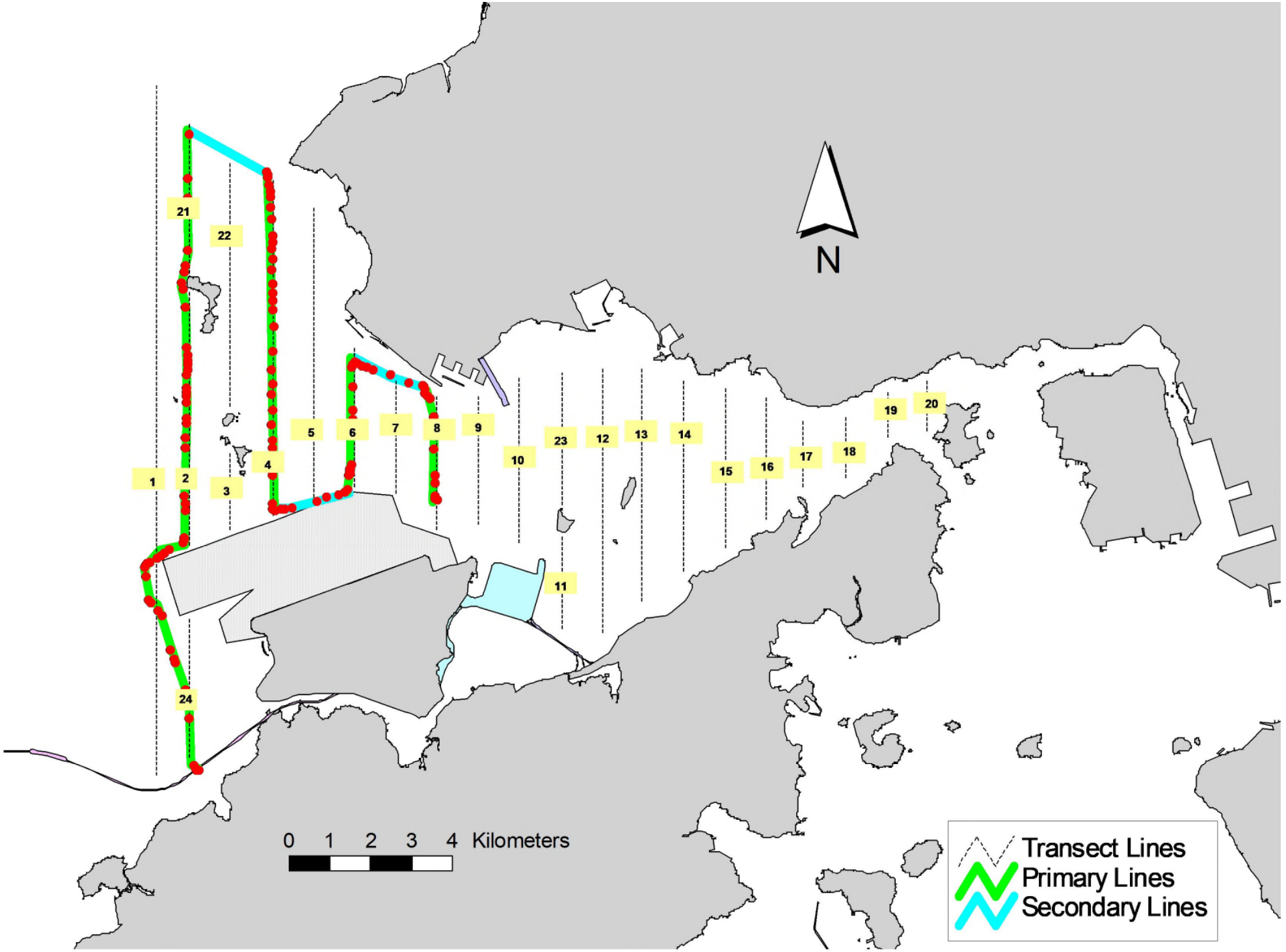

Figure 3. Survey Route on May 5th, 2023

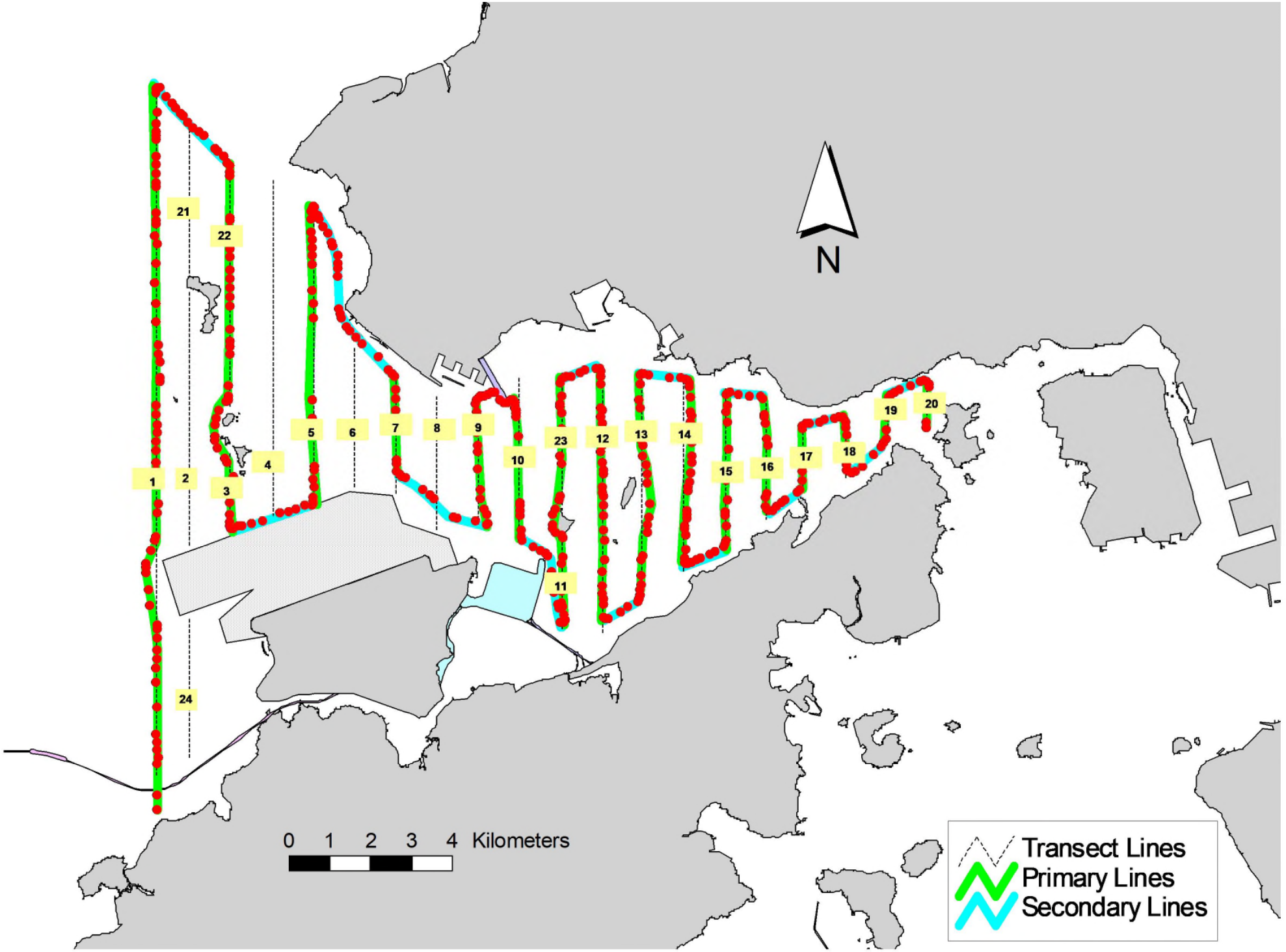

Figure 4. Survey Route on May 9th, 2023

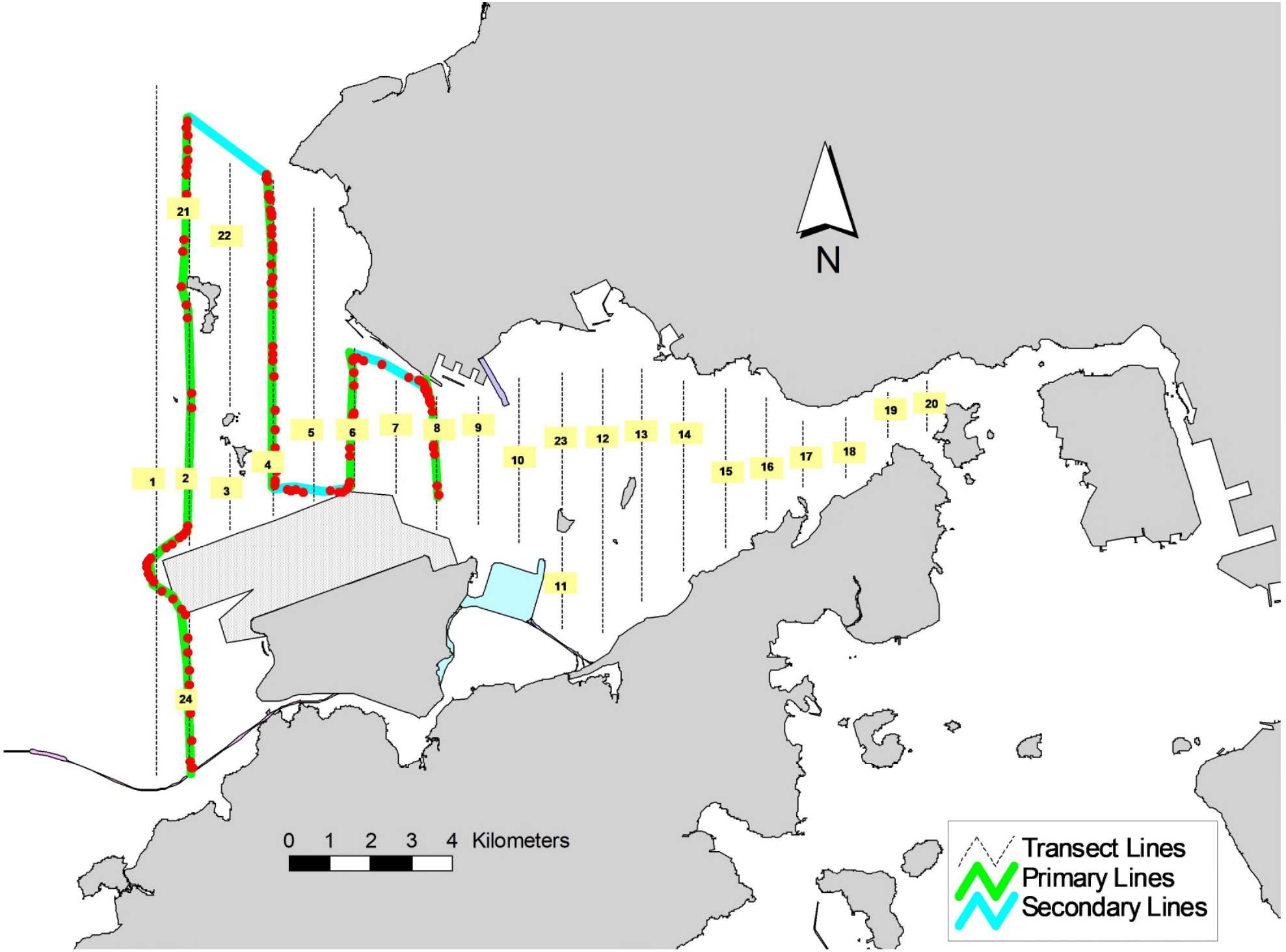

Figure 5. Survey Route on May 10th, 2023

Annex I. HKLR03 Survey Effort Database (May 2023)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
2-May-23	NW LANTAU	2	7.99	SPRING	STANDARD25686	HKLR	P
2-May-23	NW LANTAU	3	27.41	SPRING	STANDARD25686	HKLR	P
2-May-23	NW LANTAU	2	4.40	SPRING	STANDARD25686	HKLR	S
2-May-23	NW LANTAU	3	8.70	SPRING	STANDARD25686	HKLR	S
2-May-23	NE LANTAU	2	31.87	SPRING	STANDARD25686	HKLR	P
2-May-23	NE LANTAU	3	2.40	SPRING	STANDARD25686	HKLR	P
2-May-23	NE LANTAU	2	12.53	SPRING	STANDARD25686	HKLR	S
5-May-23	NW LANTAU	2	24.20	SPRING	STANDARD25686	HKLR	P
5-May-23	NW LANTAU	3	8.80	SPRING	STANDARD25686	HKLR	S
9-May-23	NW LANTAU	2	4.76	SPRING	STANDARD25686	HKLR	P
9-May-23	NW LANTAU	3	28.95	SPRING	STANDARD25686	HKLR	P
9-May-23	NW LANTAU	2	7.70	SPRING	STANDARD25686	HKLR	S
9-May-23	NW LANTAU	3	8.29	SPRING	STANDARD25686	HKLR	S
9-May-23	NE LANTAU	3	35.11	SPRING	STANDARD25686	HKLR	P
9-May-23	NE LANTAU	3	12.19	SPRING	STANDARD25686	HKLR	S
10-May-23	NW LANTAU	2	4.10	SPRING	STANDARD25686	HKLR	P
10-May-23	NW LANTAU	3	21.04	SPRING	STANDARD25686	HKLR	P
10-May-23	NW LANTAU	2	0.70	SPRING	STANDARD25686	HKLR	S
10-May-23	NW LANTAU	3	6.76	SPRING	STANDARD25686	HKLR	S

APPENDIX I

Waste Flow Table

Monthly Summary Waste Flow Table for 2023

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract *(Note 8)*	Reused in Other Projects *(Note 8)*	Disposed as Public Fill *(Note 6)*	Imported Fill *(Note 6)*	Metals	Paper / Cardboard Packaging	Plastics *(Note 3)*	Chemical Waste	Others, e.g. general refuse *(Note 8)*
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	8.803	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	20.765	0.000	0.000	20.629	0.136	0.000	0.000	0.000	0.000	0.000	0.020
Apr	9.817	0.000	0.000	9.801	0.016	0.000	0.000	0.000	0.000	0.000	0.000
May	7.833	0.000	0.000	7.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun											
Sub-total	58.296	0.000	0.000	58.144	0.152	0.000	0.000	0.000	0.000	0.000	0.046
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	58.296	0.000	0.000	58.144	0.152	0.000	0.000	0.000	0.000	0.000	0.046

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

Notes:
(1) The performance target are given in ER Appendix 8J Clause 14
(2) The waste flow table shall also include C&D materials that are not specified in the Contract to be imported for use at the Site
(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
(4) The Contractor shall also submit the latest forecast of the amount of C&D materials expected to be generated from the Works, together with a break down of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m^3.
(5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for
(6) Conversion factors for reporting purpose:
excavated (bulk): rock = 2.0 tonnes/m^3; soil = 1.8 tonnes/m^3, sand=1.9tonnes/m^3 Metal=7.85tonnes/m3
(7) Numbers are rounded off to the nearest three decimal places
(8) 30T dump truck carries C&D waste of 8.0m^3; 24T dump truck carries C&D waste of 6.5m^3

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

COM-2012-010(3)	15-Nov-2012	-	EPD	Environmental (Noise, water quality & air quality)	The complainant has copied his reply from HyD dated 15 Nov 2012 to EPD and Health Department and he further complained on the following issues: • Noise nuisance generated by diesel engine; • Smell of exhaust pipe gas in his residence; and • Suspected marine water pollution (see enclosed photo). The complainant also requested EPD to install noise and air quality monitoring at Le Bleu Deux estate.	WA6 Portion X	Noise from blowing horn from vessels and barges and Metallic Parts thrown on Ground • Reminded the Contractor to request the captains of the vessels and barges not blowing the horn except in case of emergency or prevention of ship collisions/serious safety matters; • The supervision teams would enhance their tight control on the vessels and barges working at that location, and monitor the situation and take corresponding actions; and • To enhance the work force of RSS to supervise each step of construction activities and the use of hand tools until the completion of the site office erection. Noise from Engines and Cranes of the Barges during Marine Operation • Installation of noise covers onto the generators / motors on all working barges; • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and • Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays. Noise from power generators • All generators shall be either screened or covered by adequate sound reducing materials; • All generators situated in front of Le Bleu Deux estate will be switched off at 19:00 hrs, except two generators will be kept running up to 22:00hrs and one generator will be kept running overnight for maintaining minimum power requirement; and • Arrangement with CLP Power HK Ltd (CLP) for the permanent power supply to the site offices has been chased in a matter of urgency. The use of power generators will be terminated in phase starting from 6 December 2012. Exhaust Fume Emission • Tight control on using the machine and generators in the vicinity of Le Bleu Deux estate; and • Closely monitor the frequency on engine cleansing and replacement of dust filter. Change of Sea Water in Yellow • The Contractor was reminded to move their vessels and barges at areas with adequate water depth as practically as possible.	Closed	-
COM-2012-010(4)	19-Nov-2012	22:25 hrs.	EPD	Environmental (Air quality and Noise)	The complainant filed again a complaint for the strong exhaust pipe fumes smell coming for the construction site in Tung Chung tonight as well as the extremely high level of noise as at at 10:30 pm (19/11/12).	WA6			
COM-2012-010(5)	24-Nov-2012

COM-2013-016	18-Jan-2013	-	EPD	Environmental (Water)	The complainant advised that turbid water and concrete/cement has been arising from the Hong Kong-Zhuhai-Macao Bridge Hong Kong Projects to marine water. The complainant did not specify the soure of the turbid water and concrete/cement.	N/A	-	Closed	-
COM-2013-018	02-Mar-2013	-	HyD	Environmental (Noise)	The complainant advised that "It seems that the Contractor's cranes operating on the barges are again in need of bit of lubricant, as this evening i.e. 2 March 2013, the cranes are again polluting the neighborhood with intolerable noise." The complainant requested Mr. Ng from EPD to take note of this complaint and expected a detailed report.	Portion X	The Contractor has been reminded to continue the process of applying lubricant/ grease to all barges which are to be worked in the site area near Le Bleu Deux.	Closed	-
COM-2013-018 (2)	04-Mar-2013	-	EPD	Environmental (Noise)	The complainant complained that the cranes operating on the barges for the HZMB HK project generating squeak noise in the evening of 1 March 2013 causing an annoyance to him/her.	Portion X	The Contractor implemented the following measures : - Briefing given to the operator for the proper operation of marine vessels; - Keep adequate routine maintenance ; - Minimize the quantities of plant after 7pm; & - Review the working hours of night time works and switch off all unnecessary machinery and plants at night time.	Closed	-
COM-2013-018 (3)	13-Mar-2013	-	HyD	Environmental (Noise)	The complainant asked what noise mitigation the Contractor was taking. The complainant pointed out that the noise in question was so strong that it woke up his baby girl.	Portion X	-	Closed	-
COM-2013-018 (4)	22-Mar-2013 24-Mar-2013	14:19 hrs 10:28 hrs	HyD	Environmental (Noise)	The complainant complained that "the lifting appliance was operated gently and softly to keep the noise emission as low as possible" but the noise still woke up his baby. "Lubricant was regularly applied to smoothen all moving parts and gear wheels of the working barges" that did not seem to be the case at all. The complainant pointed that the crane operating at 10:27 hrs on 24 March 2012 needed lubricant.	Portion X	The Contractor will keep on closely monitoring the situation and carry out the necessary noise mitigation measures while barges are working in the site area nearby residential area.	Closed	-
COM-2013-018 (5)	31-Mar-2013 1-Apr-2013	10:25 hrs 10:32 hrs	HyD	Environmental (Noise)	The complainant complained that noise emitted from a crane at 10:19 hrs. The complainant further complained that noise was generated from a barge at 07:30 hrs.	Portion Y	-	Closed	-
COM-2013-018 (6), (7) & (9)	15-Apr-2013	15:41 hrs	EPD	Environmental (Noise)	The complainant complained that machinery noise generated from the construction site near Tung Chung Development Pier operating for the Hong Kong-Zhuhai-Macao Bridge Hong Kong during the normal working hours on 6 April 2013 and 13 April 2013 and the late evening of 10 April 2013 causing nuisance to public.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours and non-restricted hours, the Contractor has implemented the following additional measures: - Briefing given to the operator of the barges for proper operation of marine vessels; - Operating barge by experienced operators only; - Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to minimize squeak noise; - Install noise covers onto noisy equipment where practicable. - Remind subcontractor only well-maintained plant should be operated on-site. - Minimized the quantities of plant used after 7pm as far as practicable; - Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and - Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time.	Closed	-

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

COM-2013-041	31-Oct-2013	21:52 hrs	EPD	Environmental (Noise)	A complaint was received on 31 October 2013 regarding the noise generated from a barge being moved by a tug boat in the morning of 31 October 2013 (around 05:55).	N/A	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - minimize the quantities of plant used during restricted hours as far as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during the night-time and early morning period (7pm to 7am).	Closed	-	
COM-2013-043	11-Nov-2013	--	EPD	Environmental (Noise)	A complaint was received on 11 November 2013 regarding a barge moving through the southern channel of HyD's construction site after 23:00 hrs on 8 November 2013.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - minimize the quantities of plant used during restricted hours as far as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted hours.	Closed	-	
COM-2013-045	27-Dec-2013	--	HyD	Environmental (Noise)	A complaint was received on 27 December 2013 regarding barges operating at the south channel of Portion X in the afternoon of 26 December 2013.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - minimize the quantities of plant used during restricted hours as far as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted hours.	Closed	-	
COM-2014-046	16-Jan-2014	17:22 hrs	HyD	Environmental (Air Quality)	A complaint was received on 16 January 2014 regarding heavy exhausts generated at around 8 a.m. and 10 a.m. over past few months and or even midnight.	N/A	The Contractor has implemented the following measure to minimize exhaust fumes generated from machinery: - Maintenance for the all machinery regularly.	Closed	-	
COM-2014-048	18-Jan-2014	--	EPD	Environmental (Other: Blackish mud)	A complaint was received on 18 January 2014 regarding blackish mud along the edge of the construction site of Hong Kong-Zhuhai-Macao Bridge Hong Kong Project near the airport in the morning of 18 January 2014.	Portion X	Based on the investigation results, it is considered that the blackish mud raised in the complaint was not related to HKLR03 Contract. In this case, no follow up action is required.	Closed	-	
COM-2014-050	24-Mar-2014	--	EPD	Environmental (Other: Dredged Marine Sediment)	A complaint was received by EPD on 24 March 2014. The complainant advised that there was dredged material found being mixed with soil in the construction site of Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Project in the vicinity of CAD headquarters and transported out of the site. The complainant suspected that there was improper disposal of dredged marine sediment.	Portion X	Based on the investigation results, it is considered that the complaint is invalid. In this case, no follow up action is required.	Closed	-	
COM-2014-051	29-Apr-2014	--	SOR	Environmental (Noise)	A complaint was received on 29 April 2014 regarding loud bang coming from the site at 21:37 hrs on 28 April 2014.	Portion X	Based on the Contractor's site dairy and our investigation, no non-compliance was identified.	Closed	-	
COM-2014-053	02-May-2014	--	EPD	Environmental (Noise)	A complaint was received by EPD on 1 May 2014. The complainant advised that there was noise nuisance arising during the evening of 1 May 2014.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: - minimize the quantities of plant used during restricted hours as far as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours.	Closed	-	
COM-2014-063	03-Dec-14	--	Arup	Environmental (Noise)	According to Arup's email to CSCE and DCVJV on 3 December 2014, "A resident living in Le Bleu Duex addressed a complaint to CE of HyD at about 20:04 hrs last night. He complained about the noise nuisance coming from site office since 19:30 hrs last night. epetitively metal parts had been dropped on the ground by people who seem to be loading or unloading a boat at the pier. Noise was still going on right now at 20:04."	WA6	Based on the investigation results, it is found that the noise complaint is not related to Contract No. HY/2011/03. In this case, no follow up action is required.	Closed	-	

COM-2014-065	24-Dec-14	Nil	EPD	Environmental (Water Qulity)	A complaint was received on 24 December 2014 regarding the increase of marine refuse (water bottles and debris) along the shore from Yat Tung to Tai O, where the complainant considered might be in relation to the HZMB project(s).	Portion X	Based on the investigation results, it is considered that the complaint is unlikely related to HKLR03 Contract. Nevertheless, the Contractor is reminded to implement all recommended mitigation measures for waste management and avoid dumping rubbish into the sea.	Closed	-	
COM-2015-066	08-Apr-15	Nil	EPD (An email forwarded by Arup)	Environmental (Dust)	According to Arup's email to CSCE on 8 April 2015, the ET was informed that a complaint had been received by EPD at about 18:29 hrs on 2 Apr 2015 regarding construction dust from construction site (S15) at Kwo Lo Wan Road, Tung Chung."	S15	Based on the Contractor's information and our investigation, no non-compliance was identified. The Contractor is reminded to continuously implement the dust suppression measures to minimize potential dust impact.	Closed	-	
COM-2015-068	10-Apr-15	Nil	EPD (An email forwarded by Arup)	Environmental (Noise)	According to Arup's email to CSCE on 10 April 2015, it is noted that EPD received a noise complaint from a resident of Caribbean Coast. According to the complainant, he was disturbed by noise from construction activities of the HZMB Project during weekends and holidays. The complainant was referring to those activities carried out between Scenic Hill and HKBCF because the complainant mentioned the contractor was China State.	N/A	Based on the information provided and our investigation, the Contractor had complied with the conditions laid down in Construction Noise Permit (CNP) Nos. GW-RS0113-15 and GW-RS0356-15. Hence, no non-compliance was identified. The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours and recommended to implement the following measures to minimize the potential noise impact during restricted hours: minimize the quantities of plant used during restricted hours as far as practicable; and regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours.	Closed	-	
COM-2015-074	16-Jul-15	Nil	EPD	Environmental (Wastewater)	According to EPD's email to Highways Department, ET, SOR and ENPO, a complaint was received on 16 July 2015 regarding wastewater splashing from vehicles to pedestrian at Tung Fai Road. The complainant complained that wastewater was splashed to people waiting at the bus stop near Civil Aviation Department Headquarters Office Building when vehicles leaving the HZMB site to Tung Fai Road.	Tung Fai Road	Based on the investigation results, it is considered that the complaint is unlikely related to HKLR03 Contract. The Contractor has been reminded to slow down their vehicles when leaving the concerned construction site.	Closed	-	
COM-2015-076	17-Jul-15	Nil	EPD (An email forwarded by ENPO)	Environmental (Noise)	According to EPD's email to ENPO on 17 July 2015, it is noted that EPD received a noise complaint from public. The complainant said that he/she was disturbed by the noise generated from construction sites of the HZMB Project during the daytime period of past few Sundays. Afterwards, EPD contacted the complainant and confirmed that the noise was generated from construction sites along Kwo Lo Wan Road and signs of "China State Construction Engineering (HK) Ltd" were noted.	Kwo Lo Wan Road	Based on the information provided and our investigation, the Contractor complied with the conditions laid down in Construction Noise Permit (CNP) Nos. GW-RS0733-15 and GW-RS0740-15 and no noncompliance was found. The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours and recommended to implement the following measures to minimize the potential noise impact during restricted hours: - minimize the quantities of plant used during restricted hours as far as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours.	Closed	-	
COM-2015-079	07-Dec-15	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Water Quality)	According to ENPO's email to SOR and ET on 7 December 2015, a complaint was received by EPD on 2 December 2015 regarding water quality near HKLR work site. The complainant mentioned that "I moved to Tung Chung since July and it was the second time I saw similar situation polluting the sea. Last time it was even worse in red colour. Please look into this matter and let me know what was being dropped into the sea and whether it was hazardous to the sea.". EPD has contacted the complainant and obtained the additional information from the complainant. EPD suspected that the incident happened in the afternoon on 28 November 2015.	Portion X	According to the information provided by the Contractor, the derrick barge belongs to Contract No. HY/2011/03. The concerned sediment plume was likely to be caused by stirring up of mud in the seabed by the derrick barge sailed at the navigation channel situated at shallow water zone where the water depth ranging from 3.25m – 3.75m. Public fill materials were placed on the derrick barge. The barge was in good conditions with no materials being dumped into the sea. The Contractor has been implementing the mitigation measure as specified in the Implementation Schedule of Environmental Mitigation Measures that is all vessels to be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. The Contractor is recommended to arrange vessels to move out of the site area during high tide to avoid the disturbance to the seabed as far as practicable and deploy marine vessels effectively in order to minimize the number of trips and disturbance to seabed in shallow waters.	Closed	-	
COM-2016-087	28-Jun-16	Nil	EPD	Environmental (Water Quality)	According to EPD's email, a complaint was received on 28 June 2016 regarding polluted water discharge incident opposite to Tung Chung Development Pier.	N/A	The Contractor has designated competent persons to operate, check and maintain individual wastewater treatment plant as an existing control measures. In case of breakdown of wastewater treatment plants, no discharge of wastewater will be allowed until repair is completed to resume the normal operation of the treatment plant. Specific toolbox / refreshment training trainings have been providing for the staff and workers for each of the wastewater treatment plants. The Contractor has been reminded to implement the above control measures and ensure no untreated wastewater will be discharged into open channel.	Closed	-	
COM-2016-098	11-Nov-16	16:33	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Water Quality)	According to ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 11 November 2016, it is noted that EPD received a complaint lodged by a member of the public regarding sediment plume generated by a vessel named "長盛308 (Chang Sheng 308)" during the vessel travelling from construction site of Hong Kong- Zhuhai- Macao Bridge near Scenic Hill to Tung Chung New Development Ferry Pier.	Portion X	The Contractor has been reminded to schedule the vessel to move in / out of the construction site during higher tide and minimize number of trips to avoid the stirring up of the seabed mud when the vessel travelling in very shallow water areas as much as practicable. Also, the Contractor was reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule (EMIS).	Closed	-	
COM-2016-099	02-Dec-16	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Other: Slurry on public road)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 2 December 2016 that EPD received a complaint lodged by a member of the public regarding slurry on East Coast Road. The complainant considered the slurry might relate to the construction site of China Harbour Engineering Company Limited next to a hotel.	East Coast Road	During the weekly site inspection undertaken on 7 December 2016, no slurry was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03. The Contractor has constructed wheel washing facilities at all the site accesses, including the one near the site access of China Harbour Engineering Company Limited next to the Marriott Hotel (which is believed to be the hotel mentioned by the complainant), to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or other debris would be brought to the public area. In addition, regular watering is conducted by water truck at least twice per day at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 to minimize dust emission. Based on the investigation results, it is considered that the complaint unlikely related to Contract No. HY/2011/03. Notwithstanding that, the Contractor has been reminded to clean wheels and body of vehicles as usual before allowing them to leave construction site.	Closed	-	
COM-2016-100	14-Dec-16	Nil	ENPO (Contract No. HY/2010/02 project team received an environmental complaint referred by Government's hotline (1823) on 2 December 2016. ENPO forwarded the Complaint to Contract No. HY/2011/03.)	Environmental (Other: mud/ derbris on public road)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 14 December 2016 that EPD received a complaint lodged by a member of the public regarding mud/debris on public road. The complainant complained that "the whole stretch of East Coast Road & Tung Fai Road is truly disgusting. The stone debris big and small and the mud is a nuisance to those who use the road every day. When dry there is a lot of dust and when it rains or when the road washing trucks are out it becomes a muddy mess. Cars and pedestrians are covered in dust or mud, cars are hit by stones is a daily hazard. Washing of construction vehicles is inadequate as the sand and soil is carried out onto the roads. Oversight of road conditions are not carried out by the Airport Authority. An alternative route should be created for the large number of construction vehicles as they drive fast.".	East Coast Road and Tung Fai Road	During the ET's inspection on 7 December 2016 (weekly routine inspection) and 16 December 2016, no mud or debris was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 as well as the section of Tung Fai Road leading to the site access of Contract No. HY/2011/03. The Contractor provided wheel washing facilities at all the site accesses, including the one accessing East Coast Road and the one accessing Tung Fai Road, to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. It was observed that the areas of the wheel washing facilities and the respective road section between the wheel washing facilities and the site accesses of East Coastal Road and of Tung Fai Road were paved with concrete. High pressure jets were also provided at the wheel washing facilities for cleaning of vehicles before the vehicles were allowed to leave the construction site. In addition, regular watering at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 was conducted by water trucks at least twice per day to minimize dust emission. Based on our investigation result, it is considered that the complaint is unlikely related to Contract No. HY/2011/03. Notwithstanding that, the Contractor has been reminded to clean the wheels and body of vehicles as usual before allowing them to leave construction site.	Closed	-	
COM-2016-103	14-Dec-16	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Noise)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 14 December 2016 that EPD received a noise complaint lodged by a member of public. The complaint was about hammering noise generated from construction sites at midnight in the past month. The complainant could not identify the source but suspected that the noise was generated from HZMB Project. It was also noted from ENPO's email on 21 December 2016 that EPD supplemented that the complainant lives in Seaview Crescent. The complainant sometimes heard noise created by impacting metals or metal/ground, particularly in December 2016.	N/A	The Contractor confirmed that no hammering works was conducted and no impact noise was generated at midnight in November 2016 and December 2016. The Contractor complied with the conditions laid down CNP No. GW-RS740-16 and no non-compliance was found. Based on our investigation result, it is considered that the complaint is unlikely related to Contract No. HY/2011/03. In this case, no follow up action is required. However, the Contractor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours: - minimize the number of machinery and plant used during restricted hours as far as 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)	Environmental (Other: Cleanliness problem at East Coast Road and Tung Fai Road)	It was noted from IEC's email to the Environmental Team, Supervising Officer's Representative and Contractor on 9 January 2017 that EPD received a complaint lodged by a member of the public (a bus operator at the HKIA) regarding cleanliness problem at East Coast Road and Tung Fai Road.	East Coast Road and Tung Fai Road	During the ET's inspection on 10 January 2017, it was observed that the Contractor provided wheel washing facilities at all the site accesses, including the one accessing East Coast Road and the one accessing Tung Fai Road, to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. No mud was observed at the section of Tung Fai Road leading to the site access of Contract No. HY/2011/03. However, some mud was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03. Based on our investigation result, although there is no direct evidence showing that the complaint is related to Contract No. HY/2011/03, the Contractor has been reminded to clean the wheels and body of vehicles as usual before allowing them to leave construction site. Road sweeper will be employed to sweep along the East Coast Road twice per week and remove the deposited mud underneath the water-filled barrier to facilitate the road-washing water to be drained away from the carriageway. It should be of note that the ground level of site boundary of HY/2011/03 adjoining the East Coast Road is lower than that of East Coast Road and the Site of HY/2011/03 receives unidirectional flow of surface runoff from the East Coast Road. In addition, the following measures 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. Haul road will be demarcated to prevent vehicles from going into non-wetted surface. 3. Site access S16 will be thoroughly cleaned and all vehicles will be stopped for second washing after being washed in the wheel washing bay. 4. Water sprinklers will be installed and operated at the stockpiles behind the water-filled barriers along East Coast Road.	Closed	-
COM-2017-108	23 February 2017 and 2 March 2017	Nil	Airport Authority Hong Kong (AAHK) via SOR / Referred to ENPO by HyD	Environmental (Air quality, Water quality and Other: Cleanliness problem at East Coast Road)	AAHK stated in their email to SOR on 23 February 2017 that there was sand/muddy water accumulating along the water barriers at East Coast Road Southbound. AAHK also lodged a complaint to HyD, which HyD referred to ENPO on 1 March 2017 (received by ET on 2 March 2017). AAHK reported that the cleanliness of East Coast Road remained unsatisfactory with dust all over the water barriers/traffic aids, and sands accumulating along the carriageway.	East Coast Road	During ET's observation on 3 and 13 March 2017, properly functioning wheel washing facilities were provided to wash all vehicles prior to leaving the site. The section of road between the wheel washing facilities and the site access (S25) was hard paved and no mud/ silt was observed at the concerned road section and the site access. As the ground level of site boundary of HY/2011/03 adjoining the East Coast Road is lower than that of East Coast Road, the possibility of muddy water seepage from S25 to East Coast Road is low.Based on our investigation result, the complaint is unlikely to be related to Contract No. HY/2011/03. Nevertheless, the Contractor has been reminded to strictly upkeep the proper practice of washing all vehicles leaving the site access (S25). Also, the Contractor has raised the majority of the temporary traffic signs to a higher level to avoid muddy water splashing on them. Also, the temporary traffic signs will be cleaned regularly.	Closed	-
COM-2017-112	27 March 2017	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Noise and Water quality)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 28 March 2017 that EPD received a noise complaint lodged by a resident of Century Link on 27 March 2017. The complaint was about "昨晚 (i.e. 26 March 2017) 大約十時起，屋外間歇有非常響亮聲音，經觀察應該是從港珠澳大橋近人工島的工程發出，噪音一直至深夜，另今早發現住處對出海面受到一大遍污染（見相片），以上都應該是大橋工程所造成的污染"i.e. "At around ten o'clock last night (i.e. 26 March 2017), there was intermittent very loud voice outside. According to observation, the noise should be from the Hong Kong-Zhuhai-Macao Bridge project near the artificial island, the noise lasted until late at night. In this morning, there was a plume of pollution found on the sea (see photo). These should be caused by the bridge project.".	Nil	Based on the information provided by the Contractor and our investigation, it was concluded that the Contractor had complied with the conditions laid down in CNPs No. GW-RS-1135-16 and GW-RS0016-17 and that no non-compliance on water quality was found. It is considered that the complaint is unlikely related to Contract No. HY/2011/03. In this case, no follow up action is required. However, the Contractor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours: - minimize the number of machinery and plant used during restricted hours as far as practicable; - 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 received a complaint on 19 April 2017 lodged by a green group. The complaint was about "本會XXX投訴港珠澳大橋承辦商於２０１５年設置隔泥網的方向不當，產生污染，而圖片是由路政署提供，是真確圖片，本會期望環保署調查圖片中的情況，並對承辦商作出警告，以及要求承辦商準確放置現時的隔泥網，確保其雙重設計是有效，"	Portion X	Based on the information provided by the Contractor and ET's investigation, It was suspected that the concerned silt plume may be caused by sea current. There was no evidence that the concerned silt plume was caused by any activities arising from the Contract. The Contractor was reminded once again to implement the mitigation measure as specified in the Implementation Schedule of Environmental Mitigation Measures. The Contractor is also recommended to fully and properly maintain the silt curtain throughout the works in accordance with the requirements in the Updated EM&A Manual through undertaking monthly measurement on the overlapping and separation openings for vessels access for prompt rectification.	Closed	-
COM-2016-095(3)	27-May-17	Nil	SOR (HyD referred the email from Complainant to SOR)	Environmental (Noise)	It was noted from SOR's email to the Environmental Team and Contractor on 26 May 2017 that HyD received a complaint on 12 May 2017 lodged by a member of public. The complaint was about "We'd like to follow up on this case. Pls help take pictures & point out to us where your noise barriers are located. If those seen in the attached pics are so-called noise barriers, then we believe the contractor needs a lot of improvement in helping to reduce this noise pollution".	Near Dragonair / CNAC (Group) Building (HKIA)	Upon the receipt of the complaint in May 2017, the Contractor had been instructed to immediately install additional noise barriers at the appropriate location and cover the breaker tip with acoustic materials as noise mitigation measure against the noise emission associated with the aforesaid construction activities. Moreover, the noise barriers have been located as close as possible to the noise source (rock breaking work). Also, gaps and openings at joints in the barrier material have been minimized. The rock breaking work was completed on 31 May 2017 and the rock breaking machine had been demobilized off site. According to information from Contractor, removal C&D materials will be carried out at the site near CAD and CNAC buildings in the future. As such, noise nuisance generated from a site will be minimized. Notwithstanding that, the Contractor has been reminded to implement noise mitigation measures on the site to minimize any potential nuisance to the public. 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: - Additional noise barriers have been erected in the active working area to further mitigate the associated noise emissions as far as practicable; - Cover the breaker tip with acoustic 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. - Minimize the quantities of noisy plant as far as practicable. - Regular review of working duration and switch off all unnecessary machinery and plant.	Closed	-
COM-2016-095(4)	15-Aug-17	Nil	HyD	Environmental (Noise)	HyD received a complaint concerning the rock breaking works near CNAC Buildings, as described below: "I am writing to let you know re-captioned works interrupted seriously our staff daily office works. Understand the rock encountered was much stronger than the original expected, the rock breaking works near CNAC Tower has been never ending. Recently a bulldozer is working nearby and no noise barriers/sound proofs were set up. Please take corrective action asap. Kindly advise us when this bulldozing work is scheduled to complete."	Near Dragonair / CNAC (Group) Building (HKIA)	The major rock breaking works near CNAC Tower were substantially completed on 31 May 2017. However, survey record revealed that minor rock breaking/trimming work was required at the formation level for the construction of box culvert no. PR14. Hence, the Contractor used a hydraulic breaker for minor rock breaking/trimming work in the afternoon on 15 August 2017. According to the photos provided by the complainant, movable noise barriers were not located near the noise source (rock breaking/trimming work). As such, noise generated by rock breaking/ trimming work was not efficiently screened by the noise barriers. According to the Contractor's records and the photos provided by the complainant, no bulldozer was used at PR14 on 15 August 2017. In addition, no bulldozing work is scheduled at PR14 in near future. ET conducted an investigation on 16 August 2017. The minor rock breaking/ rock trimming work was completed. Only one excavator was operating for forming the haul road at the concerned location. No significant noisy activity was observed during the investigation on 16 August 2017. Also, bulldozer was not observed on the site. Based on our investigation result, it was likely that concerned noise emission was due to the minor rock breaking/ trimming works by the hydraulic breaker. It is considered that the complaint is likely related to Contract No. HY/2011/03. According to Contractor's information, no substantial rock breaking works will be conducted at near CNAC Tower. Only minor rock breaking/ trimming work may be occasionally conducted at the concerned work area. The Contractor has been recommended to implement the following measures to minimize the potential noise impact when minor rock breaking/ trimming work to be conducted: - Schedule noisy work (i.e. rock breaking) during non-office hours as far as practicable subject to actual site progress; - Cover the breaker tip with acoustic material; - Locate noise barriers as close as possible to the noise source. Also, gaps and openings at joints in the barriers material should be minimized; - Regular review of working duration and switch off all unnecessary machinery and plant; - Speed up of construction works in order to shorten the duration noise impact/nuisance to the surrounding; and	Closed	-

COM-2017-122	03-Oct-17	Nil	1823 Integrated Call Centre received a complaint lodged by a member of the public on 30 September 2017. SOR referred the complaint details from 1823 - HyD to ET on 3 Oct 2017	Environmental (Other: Cleanliness problem at Tung Fai Road)	1823 Integrated Call Centre received a complaint lodged by a member of the public regarding cleanliness problem at Tung Fai Road, as described below: "投訴大嶼山赤鱲角東輝路 11號港龍大廈對出，巴士站附近，是港珠澳大橋地盤其中一個出入口，經常有大量重型工程車輛進出地盤，每逢有巴士或重型車輛經過時，路面沙塵揚起引起"沙塵暴"，等候巴士的乘客便遭殃，以前有灑水車噴水減低沙塵，現在灑水車都沒有出現， 要求部門改善沙塵問題。"	S16	During the ET's inspection on 3 October 2017, it was observed that the Contractor did provide wheel washing facility with high pressure jets at the site access S16 at Tung Fai Road to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. It was also observed that the Contractor did provide water bowser to thoroughly clean Tung Fai Road. No mud was observed at the section of Tung Fai Road leading to the site access S16 of Contract No. HY/2011/03. Another inspection was conducted on 12 October 2017, the section of the road between the wheel washing facility and the site access S16 was hard paved and no mud/silt was observed at the concerned road section and the site access S16. Although Contract No. HY/2011/03 is the only construction site connecting to the Tung Fai Road and the mentioned bus stop, wheel washing facility with high pressure jets is provided at the site access S16 to wash and clean all vehicles before allowing them to leave the construction site. No mud or debris would be brought to the public area. Therefore, there is no direct evidence showing that the complaint is related to Contract No. HY/2011/03. Nevertheless, in order to enhance dust suppression measures, the Contractor will increase the frequency of road cleaning by water bowser from three times per day to four times per day, subject to regular review with relevant stakeholders in the vicinity.	Closed	-
COM-2017-129	08-Jan-18	Nil	ENPO's email to the Supervising Officer's Representative and Contractor on 8 January 2018 that HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017	Environmental (Other: Cleanliness problem at East Coast Road)	HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017. The complaint details are described below: "投訴人投訴於大嶼山東岸路，因港珠澳大橋工程的沙塵問題，部門安排了有關洗街車及吸塵車處理有關沙塵問題，但有關車輛就上述問題的處理成效未如理想，投訴人表示洗街車在清洗有關路面時，只是向路面灑水，令原本的沙塵變成泥漿，但卻沒有清理有關泥漿，道路問題根本沒有根治，另外，有關吸塵車的隔濾亦未如理想，吸塵車吸了地上的沙塵後所噴出來的氣體佈滿沙塵，以致有關沙塵除了未被吸走外，更導致道路沙塵滾滾，要求部門監察有關承辦商，煩請部門跟進及回覆。"	East Coast Road	Based on our investigation result, there is no direct evidence showing that that the complaint is related to Contract No. HY/2011/03. The Contractor has been reminded to implement the following measures to minimize dust impact/ improve cleanliness at East Coast Road: • display notice at site access to remind drivers to wash the wheels thoroughly before leaving the site. • manual 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 properly 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 if necessary. • implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule as per the EM&A Manual. 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 surroundings.* *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* *Moreover, we are particularly concerned with the stability of the construction waste landfill hill, and has grown taller and larger in size with steep slopes which may cause potential danger and hazardous to the surrounding area.* *It is appreciated that if you can investigate on the issue, and rectify the situation to a safe and healthy condition. Please confirm when and how the rectification will be completed."* 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-2018-132	16 March 2018 and 21 March 2018	Nil	HyD (SOR referred the email from HyD to the Contractor and ET) and EPD (ENPO referred the email from EPD to SOR, who sent the email to the Contractor and ET)	Dust and Construction Waste,	The complaint of 16 March 2018 was addressed to HyD and its details were as follows: "1) 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 stockpile of construction waste landfill will be removed by the end of March 2018. Please confirm the date of completion of the removal of the stockpile. 3) Please advise if the slope and setting of the piles of earth 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 Lot 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 outside Cathay Dragon House, CLK, We refer to your letter ref: [EP3/N09/RS00004678-18] dated 09 March 2018, would like to further draw your attention to the open stockpile of construction waste landfill, and the enclosed daily photo. We have continued to observe the following: - Inadequate dust suppression measures implemented. o Green tarp does not cover the whole of the waste landfill. o Dry soil constantly observed, and constantly picked-up strong gusty winds within CLK area. - Large boulders and and steep slopes on waste landfill, with inadequate safety measures implemented. - Poor housekeeping of the construction site. Furthermore, we would like to raise the query regarding the validity period for the occupation of the site under the current gazette. It is appreciated that if you can continue to investigate on the issue, provide close monitoring of the situation, and	Near Dragonair / CNAC (Group) Building (HKIA)	Based on our investigation result, the complaint was related to Contract No. HY/2011/03. It was noted that no Action and Limit Level exceedances of 1-hr and 24-hr TSP were recorded at air monitoring station AMS6 - Dragonair Building during the period from 1 February 2018 to 30 April 2018. Part of the stockpile was observed dry during ET's site inspection on 27 March 2018. Proper watering on the stockpiles was observed undertaken afterwards. The Contractor has been continuously reminded to properly implement Environmental Mitigation Measures as per the EM&A Manual. The Contractor was also reminded to remove the concerned stockpile of the fill materials as soon as possible to minimize the potential nuisance caused to the nearby sensitive receivers.	Closed	-
COM-2018-142	29 June 2018 & 6 July 2018	Nil	EPD (ENPO referred the email to SOR, Contractor and ET)	Noise	The complaint of 29 June 2018 was received from EPD and its details were as follows:- 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 link below, it seems like the noise is mainly from the breaking of rocks using powered mechanical equipment. https://www.dropbox.com/s/634sf2p3op39s9v/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 level have 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 Lai mentioned in your previous email 18 April 2018 that the works should have completed end April 2018. Why is the works still going on? 6. Mr Lo 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 muffler, minimize the quantities of noisy plant as far as practicable. Although the rock breaking works outside the Cathay Dragon House/ Dragonair & CNAC (Group) Building were completed on 9 July 2018, the Contractor has been continuously reminded to properly implement Environmental Mitigation Measures as per the EM&A Manual to minimize the potential noise nuisance caused to the public/ surrounding.	Closed	-

					"A further complaint was received on 6 July 2018 from EPD and its details were as follows:- "Further to our previous complaints which are in vain, we would like to continue to put forward the complaint against the noise from the construction works next to Cathay Dragon House at CLK, which has never been ceased and been causing great disturbance to the accommodations (aviation control centre) and staff within our Cathay Dragon building and CNAC tower. 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 5 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 (facing seaside Tung Chung). There have been extreme noisy works conducted, without proper noise mitigation matter, with noise DB levels reaching 70-100dB, and is seriously affecting our company operations. Please urgently attend to the matter and advise further on the email below, and implement the proper noise reducing and mitigation procedures.			
COM-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 December 2018 at 10:49hrs "How come someone is doing some construction work on sunday morning (23/12/18, 10:30am)??? Looks like your christmas holidays i going to turn into an investigation holiday!!! Looking forwards to hearing from you? I am sure David will be more than happy to assist your investigation over the holidays!!" Email received by HyD on 23 December 2018 at 11:11hrs "by the way have you issue a "permit to annoy people" based on merit to operate a crane this sunday? If not I am looking forwards to know the action you will take. Don't esitate to contact Chief Lam he will surely be very happy to provide any assistance you need to find out who is the rogue employee working under him so you can take the necessary legal action."	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 Contractor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours.	Closed	-
N/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 ""投訴人表示海堤灣畔對面有港珠澳大橋的地盤正進行工程，工程期間會揚起大量塵土，引起污染，影響海堤灣畔居民，要求部門跟進事宜。"	N.A.	Based on our investigation result, there is no observation of dust emissions 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 the dust mitigation measures during carrying out of their construction works to minimize the dust nuisances to nearby sensitive receivers.	Closed	-
COM-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 flies and pests. huge annoyance and hygiene problem to the public. pls clean up."	Near Dragonair / CNAC (Group) Building (HKIA)	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	-
COM-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. Yet, 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."	Landscape area at Tung Yiu Road/ S16	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	-
COM-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:- "有關東涌映灣園與藍天海岸對出海面垃圾問題" 1. 近東涌與赤鱲角機場接駁的大橋附近，即赤鱲角南路附近的海旁有貨櫃辦公室建築材料、廢料及鐵架；及海面有大堆沙丘被棄置數年； 2. 近觀景山隧道旁之海面有大堆沙丘及不少漂浮物件被棄置數年。 上述位置（見附圖）的臨時沙丘及建築廢料懷疑是興建港珠澳大橋時的建築材料，惟現時港珠澳大橋已於2018年落成及通車後，上述提及的建築材料及廢料亦未有妥善處理。此舉不單會造成環境污染，更有機會對船隻航行造成危險。有見及此，我們希望 貴處可派員跟進上述情況並不時作出監察，以避免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

Construction Noise Permit

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
1	01.12.2022	All Works Area	All Works	CNP issued on 16.12.2022	GW-RS1102-22	18.12.2022 0700 hrs	16.06.2023 2300 hrs

APPENDIX L

Implementation Schedule of Environmental Mitigation Measures

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the Measures	When to implement the measures?	Implementation Status
Air Quality							
S5.5.6.1	A1	1) The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	√
S5.5.6.2	A2	2) Proper watering of exposed spoil should be undertaken throughout the construction phase: • 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	√
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	√

Implementation Schedule of Environmental Mitigation Measures

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

Implementation Schedule of Environmental Mitigation Measures

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

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the Measures	When to implement the measures?	Implementation Status
S5.5.2.7	A7	The following mitigation measures should be adopted to prevent fugitive dust emissions at barging point: • All road surface within the barging facilities will be paved; • Dust enclosures will be provided for the loading ramp; • Vehicles will be required to pass through designated wheels wash facilities; and • Continuous water spray at the loading points.	Control construction dust	Contractor	All construction sites	Construction stage	√
Noise							
S6.4.10	N1	1) Use of good site practices to limit noise emissions by considering the following: • only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; • machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; • silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works • mobile plant should be sited as far away from NSRs as possible and practicable; • material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.	Control construction airborne noise by means of good site practices	Contractor	All construction sites	Construction stage	√

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S6.4.11	N2	2) Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening.	Contractor	All construction sites	Construction stage	√
S6.4.12	N3	3) Install movable noise barriers (typically density @ 14kg/m^2), acoustic mat or full enclosure close to noisy plants including air compressor, generators, saw.	Screen the noisy plant items to be used at all construction sites	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	√
S6.4.13	N4	4) Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise levels of plant items	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	√
S6.4.14	N5	5) Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	√
	N6	6) Implement a noise monitoring under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected representative noise monitoring station	Construction stage	√
Waste Management (Construction waste)							
S8.3.8	WM1	<u>Construction and Demolition Material</u> The following mitigation measures should be implemented in handling the waste: • Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; • Carry out on-site sorting; • Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; • Adopt 'Selective Demolition' technique to demolish the existing structures and facilities 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	√

Implementation Schedule of Environmental Mitigation Measures

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

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S8.2.12-S8.3.15	WM3	Chemical Waste • Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. • Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation. • The storage area for chemical wastes should be clearly labeled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated. • Disposal of chemical waste should be via a licensed waste collector; be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers; or be to a reuser of the waste, under approval from the EPD.	Control the chemical waste and ensure proper storage, handling and disposal.	Contractor	All construction sites	Construction stage	√

Implementation Schedule of Environmental Mitigation Measures

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

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Water quality (Construction Phase)							
S9.11.1-S9.11.1. 2	W1	• Mitigation during the marine works to reduce impacts to within acceptable levels have been recommended and will comprise a series of measures that restrict the method and sequencing of filling work, as well as protection measures. Details of the measures are provided below and summarised in the Environmental Mitigation Implementation Schedule in EM&A Manual. • Construction of seawalls to be advanced by at least 100-200m before the filling can commence. It should be noted that the protection by advanced seawall is a dynamic process depending on the progress of the construction activities. The part of the works where such measures can be undertaken for the majority of the time includes the following locations: - TMCLKL northern reclamation; -TMCLKL southern reclamation (after formation of the nips); - Reclamation filling for Portion 1 of HKLR.	To control construction water quality	Contractor	During seawall filling	Construction stage	√
S9.11.1-S9.11.1. 2	W1	• Single layer silt curtains will be applied around all works; • Silt curtain shall be fully maintained throughout the works.	To control construction water quality	Contractor	During seawall filling	Construction stage	P

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1-S9.11.1. 2	W1	• Mechanical grabs shall be designed and maintained to avoid spillage and should seal tightly while being lifted; • barges shall have tight fitting seals to their bottom openings to prevent leakage of material; • any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes; • loading of barges shall be controlled to prevent splashing of filling materials to the surrounding water. • barges shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation; • adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; • all vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; and • the works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.	To control construction water quality	Contractor	During seawall filling	Construction stage	√
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	√

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
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 drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks; • silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly, including specifically at the onset of and after each rainstorm; • temporary access roads should be surfaced with crushed stone or gravel; • rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; • measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system; • open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms; • manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers; • discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system;	To control construction water quality	Contractor	During seawall filling	Construction stage	√

Implementation Schedule of Environmental Mitigation Measures

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

Implementation Schedule of Environmental Mitigation Measures

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

Implementation Schedule of Environmental Mitigation Measures

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

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.

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Landscape & Visual (Detailed Design Phase)							
S14.3.3. 1	LV1	General design measures include: • Roadside planting and planting along the edge of the reclamation is proposed; • Transplanting of mature trees in good health and amenity value where appropriate and reinstatement of areas disturbed during construction by compensatory hydro-seeding and planting; • Protection measures for the trees to be retained during construction activities; • Optimizing the sizes and spacing of the bridge columns; • Fine-tuning the location of the bridge columns to avoid visually sensitive locations; • Aesthetic design of the bridge form and its structural elements for HKLR, e.g. parapet, soffit, columns, lightings and so on; • Considering the decorative urban design elements for HKLR, e.g. decorative road lightings; • 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

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Landscape & Visual (Construction Phase)							
S14.3.3.3	LV2	Mitigate both Landscape and Visual Impacts G1. Grass-hydroseed bare soil surface and stock pile areas. G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic. G3. For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and reclamation (e.g. subtle colour tone and slim form for viaduct, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment. G4. 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).	Minimise visual & landscape impact	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.					

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
EM&A							
S15.5 - S15.6	EM2	1) An Environmental Team needs to be employed as per the EM&A Manual. 2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. 3) An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.	Perform environmental monitoring & auditing	Contractor	All construction sites	Construction stage	√

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

APPENDIX M

Record of "Notification of Summons and Prosecutions

Summary of Notifications of Summons and Prosecutions

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

APPENDIX N

Location of Works Areas

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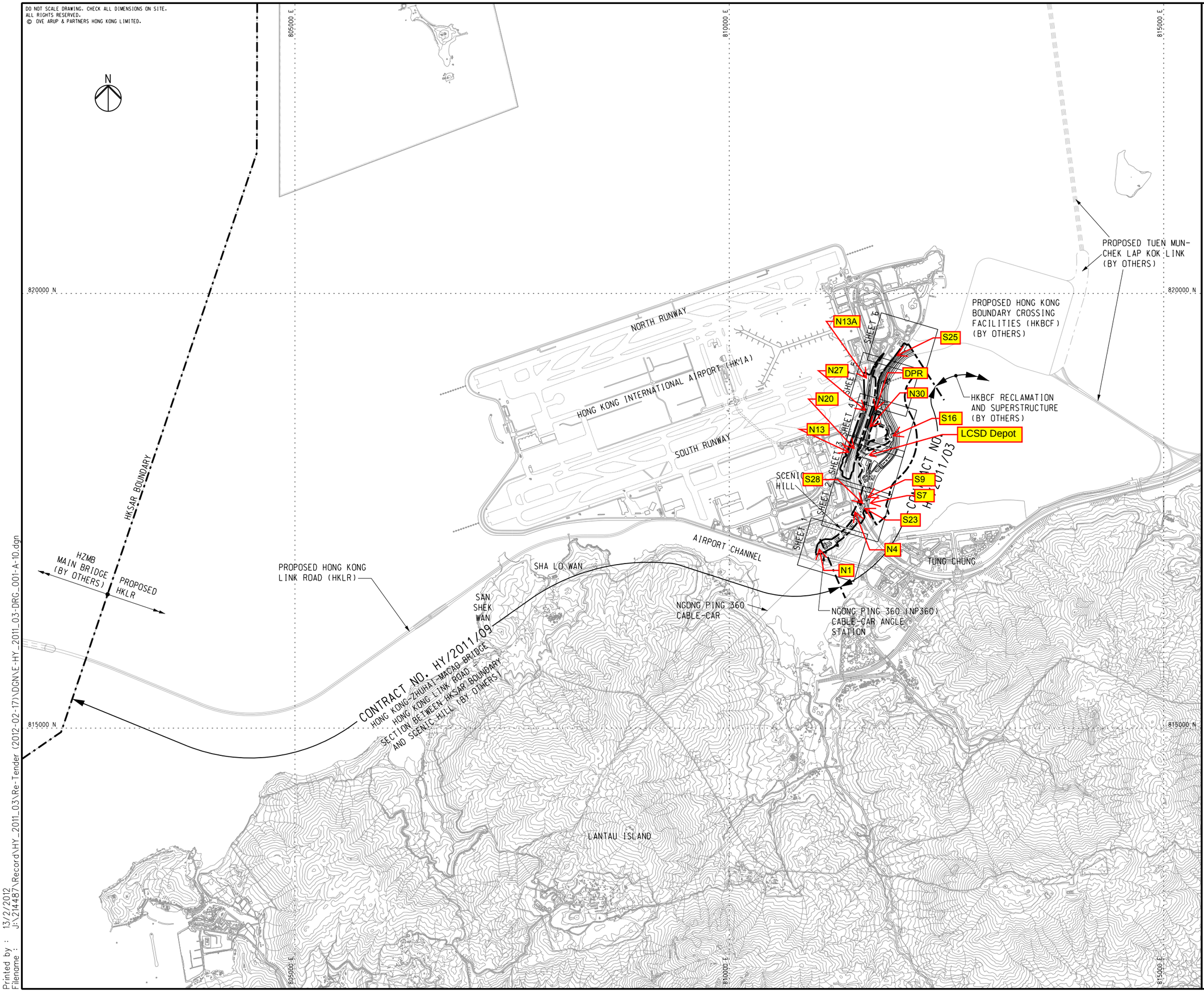

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NOS. 214487/2/T/002 - 007.

LEGEND

SITE BOUNDARY

Rev	Description	By	Date
A	TENDER ISSUE	IL	02/12

Consultant

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

Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

GENERAL LAYOUT
KEY PLAN

Drawing no.		Rev.
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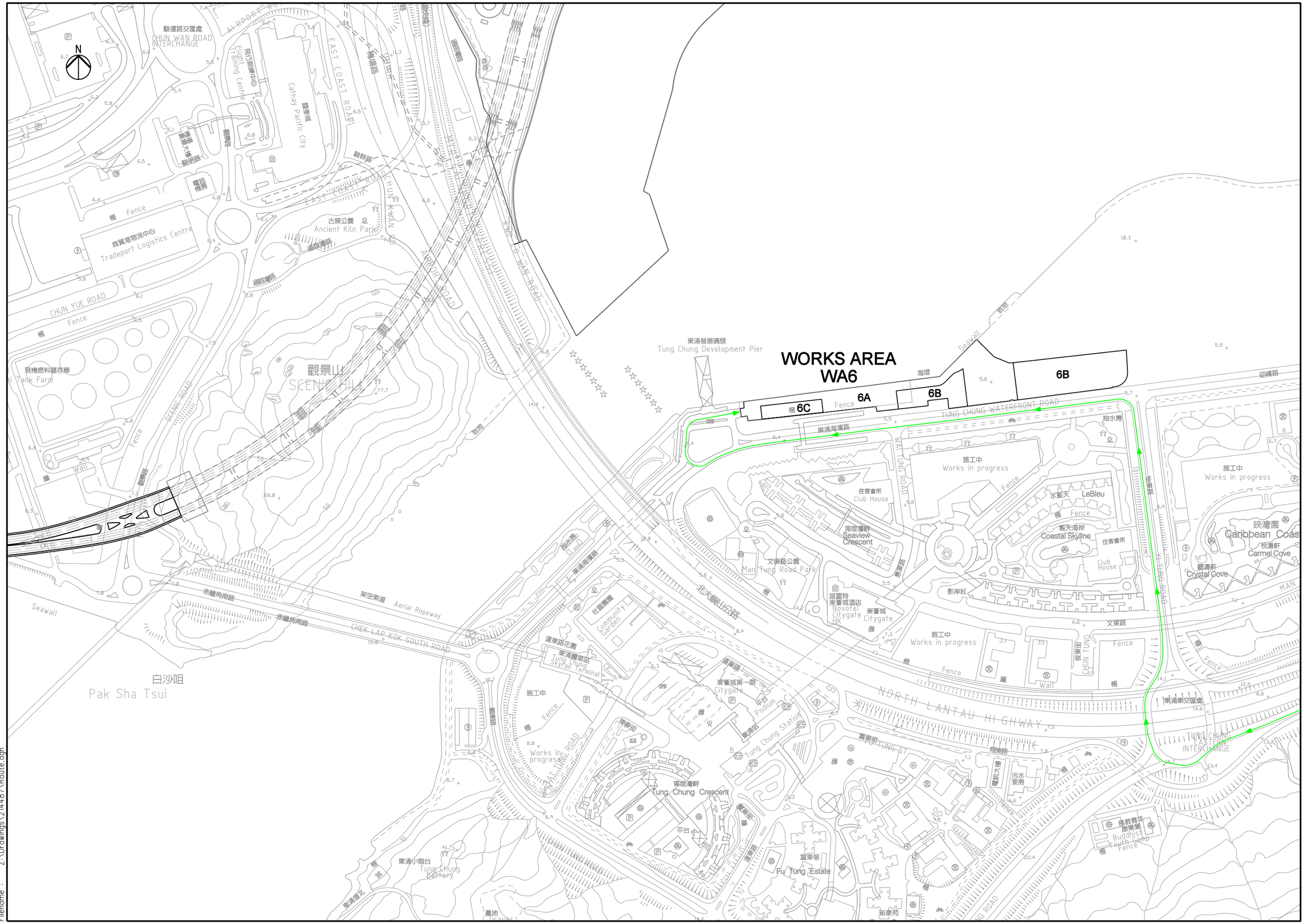

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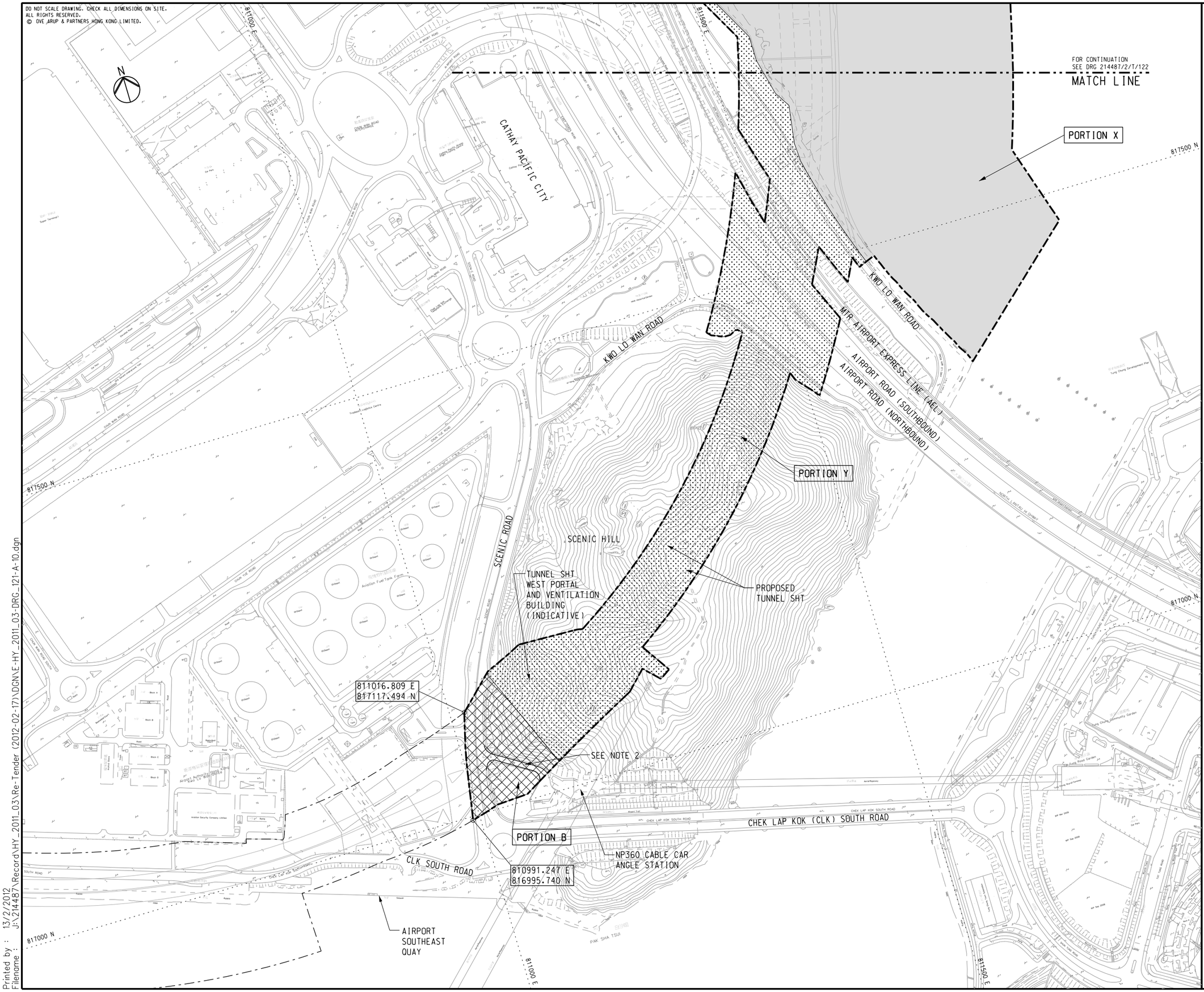

NOTES

1. FOR DETAILED DESCRIPTION OF PORTION OF SITE, REFER TO ER PART 2 GENERAL SITE DATA.
2. ACCESS ROAD TO NP360 CABLE CAR ANGLE STATION SHALL BE MAINTAINED AT ALL TIMES.

LEGEND

- SITE BOUNDARY
- PORTION X
- PORTION Y
- PORTION B
- PORTION C
- PORTION D1

Rev	Description	By	Date
A	TENDER ISSUE	IL	02/12

Consultant

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Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

PORTION OF SITE
(SHEET 1 OF 3)

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A	TENDER ISSUE	IL	02/12

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Section Between Scenic Hill and
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Drawing title

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(SHEET 2 OF 3)

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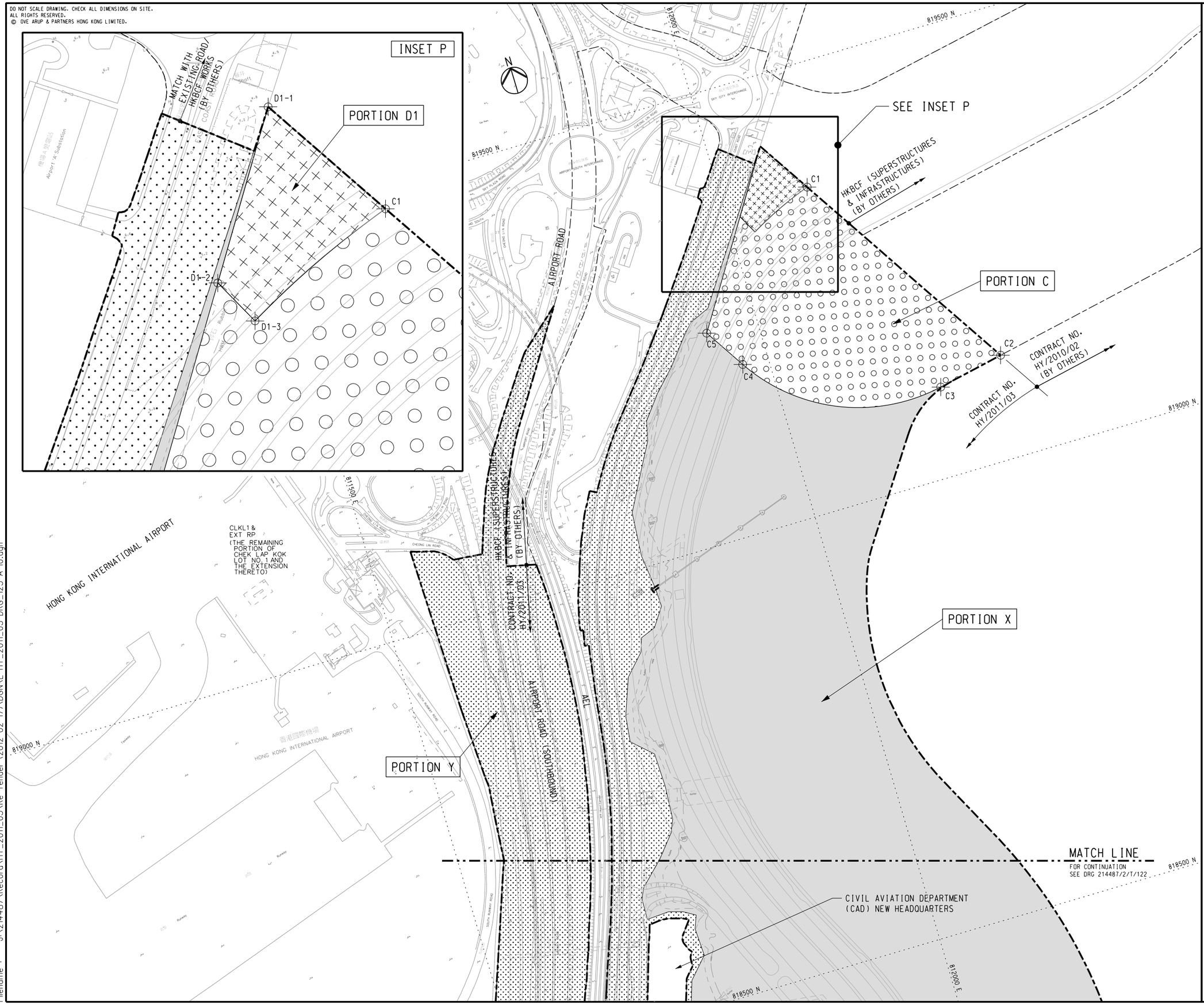

NOTES

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

SETTING OUT CO-ORDINATES OF SITE PORTION C

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

SETTING OUT CO-ORDINATES OF SITE PORTION D1

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

Rev	Description	By	Date
A	TENDER ISSUE	IL	02/12

Consultant

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

Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

PORTION OF SITE
(SHEET 3 OF 3)

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