

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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Main Contractor







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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 146th 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 30 November 2024.

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 AMS6 4, 8, 14, 20 and 26 November 2024

24-hr TSP Monitoring at AMS5 1, 7, 13, 19, 25 and 29 November 2024

24-hr TSP Monitoring at AMS6 13, 19, 25 and 29 November 2024

Noise Monitoring 4, 14, 20 and 26 November 2024

Water Quality Monitoring 1, 4, 6, 8, 11, 15, 18, 20, 22, 25, 27 and 29 November

2024

Chinese White Dolphin Monitoring 4, 8, 15 and 18 November 2024



Site Inspection

6, 13, 20 and 29 November 2024

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 during 1 April 2021 to 7 August 2024.

Due to equipment malfunction, 24-hr TSP monitoring at AMS6 on 1 and 7 November 2024 has been cancelled. 24-hr TSP at AMS6 has been resumed on 13 November 2024.

Due to Strong Wind Signal No.3, the water quality monitoring for mid-flood tide on 13 November 2024 will be cancelled and no substitute monitoring will be conducted.

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	
Air Quality	24-hr TSP	0	0	
Noise Leq (30 min)		0	0	
	Suspended solids level (SS)	0	0	
Water Quality	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.

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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

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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.

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 and resumed on 7 August 2024. 24-hr monitoring results at AMS6 are not available due to unstable electricity supply on site and the solution for stable electricity supply is under investigation, the monitoring has been resumed on 19 September 2024.

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:

• 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 146th 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 30 November 2024.



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

1.3 Construction Programme

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

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

2.2 Monitoring Equipment

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

Table 2.3 Air Quality Monitoring Equipment

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 Im	pact Air	Quality	Monitoring	Stations
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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 exp			
24-hour TSP	Once every 6 days		

2.5 Monitoring Methodology

2.5.1 24-hour TSP Monitoring

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



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

(c) Field Monitoring

- (i) The power supply was checked to ensure the HVS works properly.
- (ii) The filter holder and the area surrounding the filter were cleaned.
- (iii) The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
- (iv) The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
- (v) The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied was sufficient to avoid air leakage at the edges.
- (vi) Then the shelter lid was closed and was secured with the aluminium strip.
- (vii) The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
- (viii) A new flow rate record sheet was set into the flow recorder.
- (ix) On site temperature and atmospheric pressure readings were taken and the flow rate of the HVS was checked and adjusted at around 1.1 m³/min, and complied with the range specified in the Updated EM&A Manual for HKLR (Version 1.0) (i.e. 0.6-1.7 m³/min).
- (x) The programmable digital timer was set for a sampling period of 24 hours, and the starting time, weather condition and the filter number were recorded.
- (xi) The initial elapsed time was recorded.
- (xii) At the end of sampling, on site temperature and atmospheric pressure readings were taken and the final flow rate of the HVS was checked and recorded.
- (xiii) The final elapsed time was recorded.
- (xiv) The sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
- (xv) It was then placed in a clean plastic envelope and sealed.
- (xvi) All monitoring information was recorded on a standard data sheet.
- (xvii) Filters were then sent to ALS Technichem (HK) Pty Ltd. for analysis.

(d) Maintenance and Calibration

- (i) The HVS and its accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
- (ii) 5-point calibration of the HVS was conducted using TE-5025A Calibration Kit prior to the commencement of baseline monitoring. Bi-monthly 5-point calibration of the HVS will be carried out during impact monitoring.
- (iii) Calibration certificate of the HVSs are provided in **Appendix C**.

2.5.2 1-hour TSP Monitoring

(a) Measuring Procedures

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

(i) Turn the power on.





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

2.6 Monitoring Schedule for the Reporting Month

2.6.1 The schedule for air quality monitoring in November 2024 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 and resumed on 7 August 2024.

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

Monitoring Station	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
AMS5	104	71-128	352	500
AMS6	106	80-135	360	500

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

Monitoring Station	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
AMS5	40	25-68	164	260
AMS6	23	9-58	173	260

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- 2.7.2 No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at station AMS5 and AMS6 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	NL-52
Acoustic Calibrator	NC-74

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). Leq, L10 and L90 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: $L_{eq(30-minutes)}$ during non-restricted hours i.e. 07:00-1900 on normal weekdays
- (d) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94.0 dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after recalibration or repair of the equipment.
- (e) During the monitoring period, the L_{eq} , 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 November 2024 is provided in **Appendix D**.

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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	64	59-71	75

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

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



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,	Surface and Middle	5.0	4.2 except 5 for Fish Culture Zone
middle and bottom)	Bottom	4.7	3.6
Turbidity (NTU)	Depth average	27.5 or 120% of upstream control station's turbidity at the same tide of the same day;	47.0 or 130% of turbidity at the upstream control station at the same tide of same day;
		The action level has been amended to "27.5 and 120% of upstream control station's turbidity at the same tide of the same day" since 25 March 2013.	The limit level has been amended to "47.0 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)	 Depth, m Temperature, °C Salinity, ppt 	Three times per week	3 (1 m below water surface, mid-depth and 1 m above sea bed,	
Control/Far Field Stations: CS2(A) & CS(Mf)5,	 Dissolved Oxygen (DO), mg/L DO Saturation, % Turbidity, NTU 	during mid- ebb and mid- flood tides (within ± 1.75 hour of the	except where the water depth is less than 6 m, in which case the middepth station may be omitted. Should the	
Sensitive Receiver Stations: SR3(N), SR4(N3), SR5(N), SR10A(N) & SR10B(N2)	pH Suspended Solids (SS), mg/L	predicted time)	water depth be less than 3 m, only the mid- depth station will be monitored).	

Remark:

- 1) Original WQM stations IS8 and SR4(N) are located within the active work area of 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	Description	Coordinates	
Stations	Description	Easting	Northing
IS5	Impact Station (Close to HKLR construction site)	811579	817106
IS(Mf)6	Impact Station (Close to HKLR construction site)	812101	817873
IS7	Impact Station (Close to HKBCF construction site)	812244	818777
IS8(N)	Impact Station (Close to HKBCF construction site)	814413	818570

Monitoring Stations	Description	Coordinates		
	Description	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:

4.5 Monitoring Methodology

4.5.1 Instrumentation

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

4.5.2 Operating/Analytical Procedures

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

^{*} 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.

(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 November 2024 is provided in **Appendix D.**

4.7 Monitoring Results

- 4.7.1 Impact water quality monitoring was conducted at all designated monitoring stations in November 2024 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	813425	821176	22	Start Point	806464	824033
10	End Point	813425	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

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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 November 2024, two sets of systematic line-transect vessel surveys were conducted on the 4th, 8th, 15th and 18th to cover all transect lines in NWL and NEL survey areas twice. The survey routes of each survey day are presented in **Figures 2-6 of Appendix H**.
- 5.3.2 From these surveys, a total of 276.30 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, 100.80 km and 175.50 km of survey effort were collected from NEL and NWL survey areas respectively. Moreover, the total survey effort conducted on primary lines was 195.01 km, while the effort on secondary lines was 81.29 km.
- 5.3.4 During the two sets of monitoring surveys in November 2024, only a single dolphin was sighted (**Annex II of Appendix H**). The lone dolphin was sighted in NWL, while none was sighted in NEL. Furthermore, the dolphin sighting was made on primary line during on-effort search, and it was not associated with operating fishing vessel.

- 5.3.5 Distribution of the dolphin sighting made in November 2024 is shown in **Figure 6 in Appendix H.** Sighting of the lone dolphin was located at the southwestern corner of the NWL survey area, just to the north of the HKLR09 alignment.
- 5.3.6 For the November's surveys, encounter rates of Chinese White Dolphins deduced from the survey effort and on-effort sighting data made under favourable conditions (Beaufort 3 or below) are shown in **Tables 5.3 & 5.4**.

Table 5.3 Dolphin encounter rates deduced from the two sets of surveys (two surveys in each set) in November 2024 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: November 4 th / 8 th	0.0	0.0
NEL	Set 2: November 15th / 18th	0.0	0.0
NWL	Set 1: November 4th / 8th	1.7	1.7
INVVL	Set 2: November 15th / 18th	0.0	0.0

Table 5.4 Overall dolphin encounter rates (sighting per 100 km of survey effort) from all surveys conducted in November 2024 on primary lines only as well as both primary lines and secondary lines in Northeast and Northwest Lantau

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

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 (September-November 2024) 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, four site inspections were carried out on 6, 13, 20 and 29 November 2024.
- 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
6 November 2024	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
13 November 2024	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
20 November 2024	No particular environmental issue was recorded during the site inspection.	N.A.	N.A.
29 November 2024	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.

Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 146th Monthly EM&A Report

- 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 and AMS6 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 December 2024 are summarised in **Table 7.1**.

Table 7.1 Construction Activities for December 2024

Site Area	Description of Activities
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 December 2024 is provided in **Appendix D**.

Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities 146th Monthly EM&A Report

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 146th Monthly EM&A report for the Contract which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 to 30 November 2024.

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 and AMS6 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.

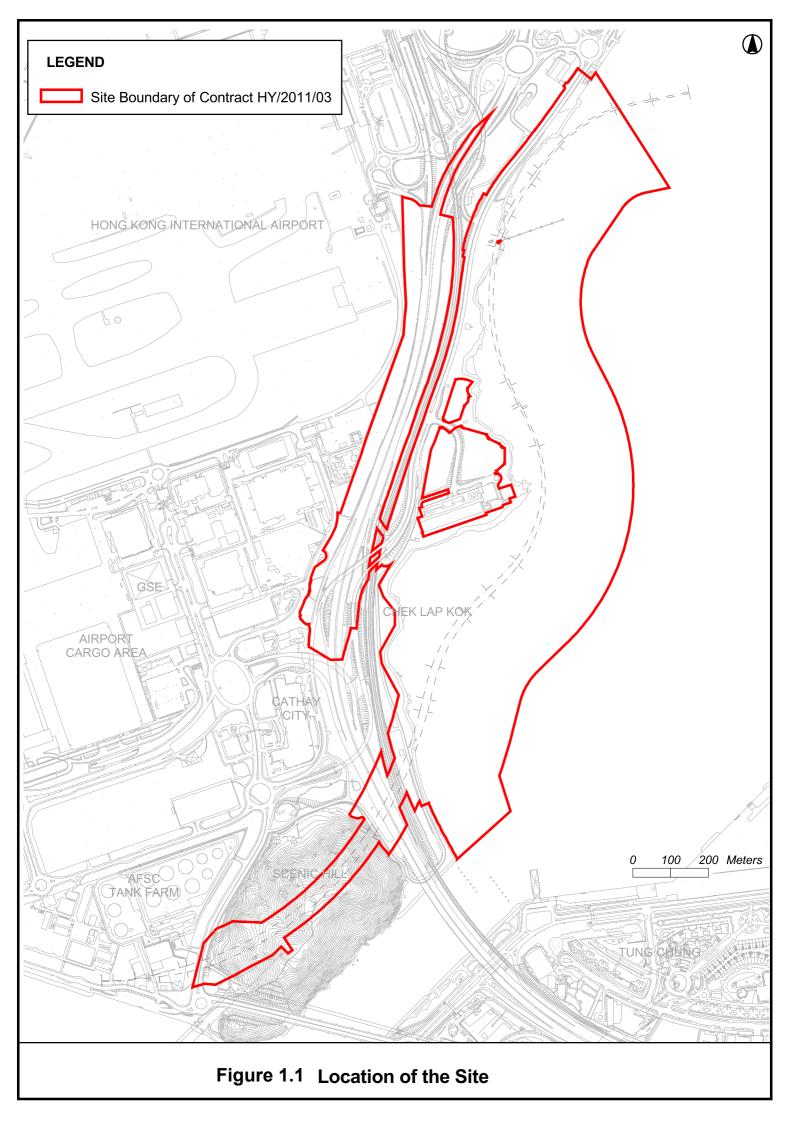
Dolphin

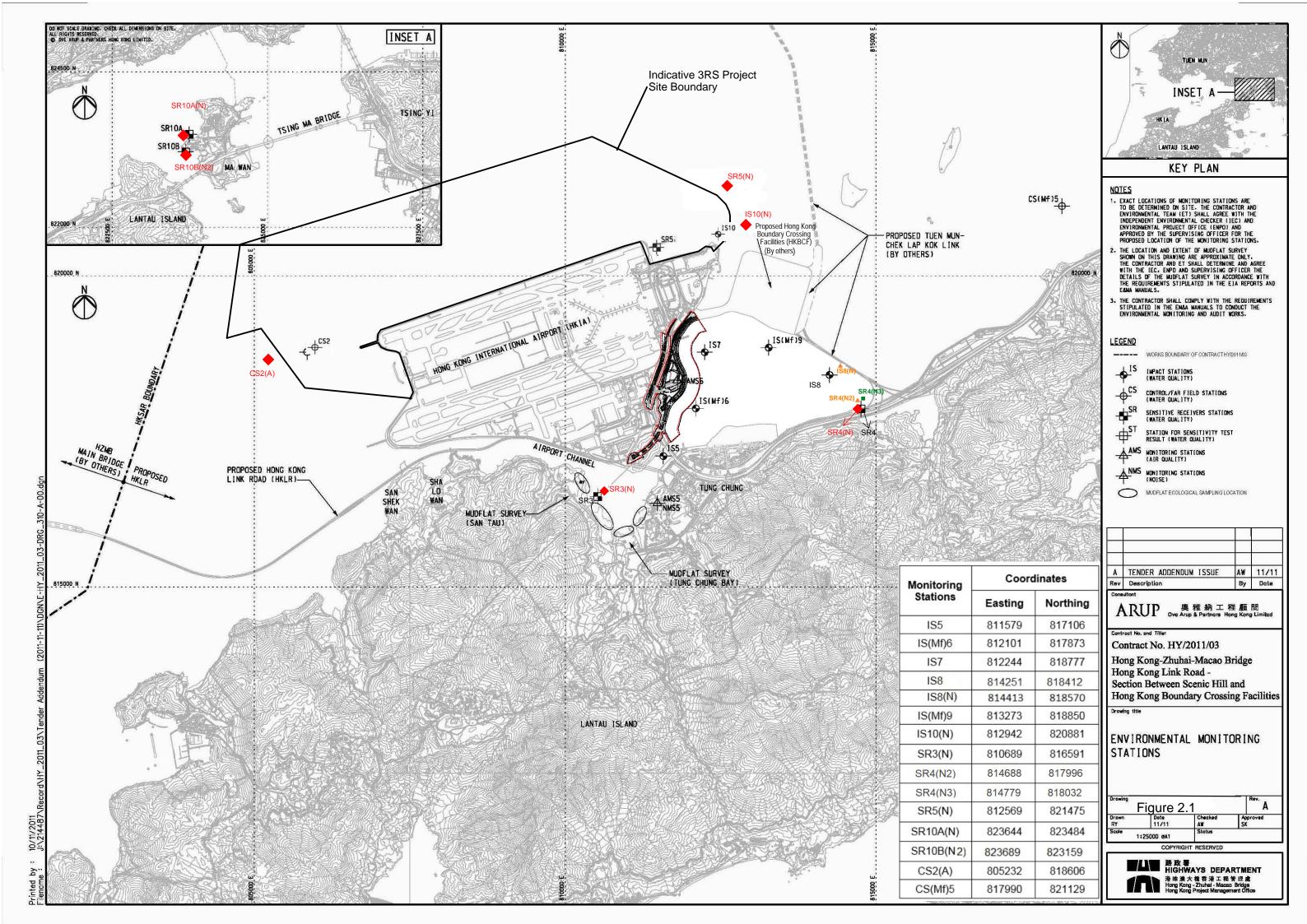
- 8.1.5 During this month of dolphin monitoring, no adverse impact from the activities of this construction project on Chinese White Dolphins was noticeable from general observations.
- 8.1.6 Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion 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 (September November 2024) 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 6, 13, 20 and 29 November 2024. 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





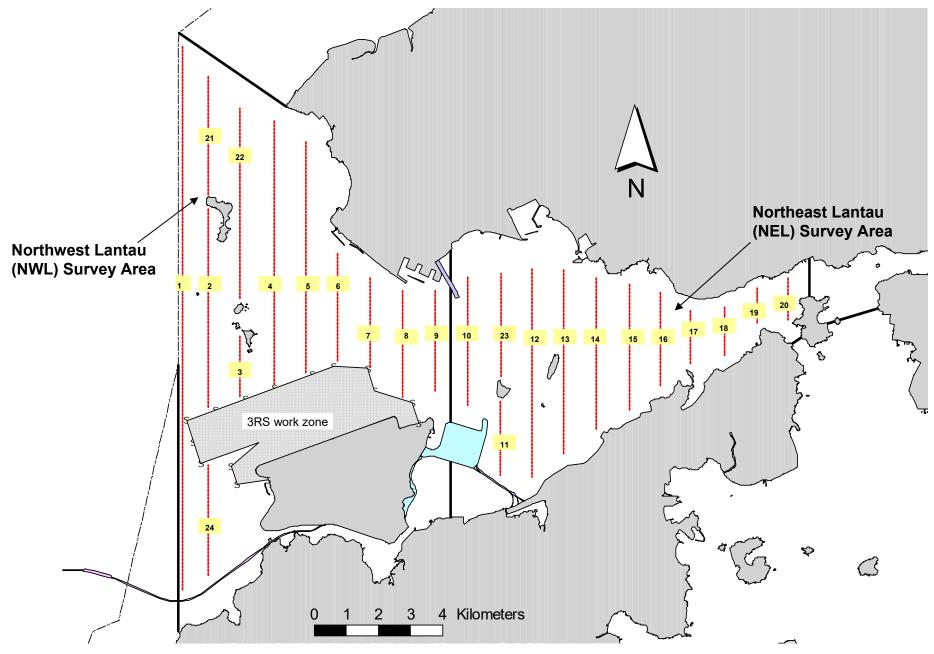


Figure 2.2. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

APPENDIX A

Environmental Management Structure

Line of communication **Project Organization for Environmental Works EPD** HyD Interface with **ENPO** TMCLKL Project Supervising Officer Representative (SOR) Independent **Environmental Checker** (IEC) **Environmental** Contractor Team (ET)

APPENDIX B

Construction Programme



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

Construction Programme Nov 2024 - Feb 2025

Description	Nov-24		Dec-24		Jan-25			Feb-25								
Description	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4
Removal of Temporary Toe Loading Platform																

APPENDIX C

Calibration Certificates



Certificate No. 311868

1 3 Pages Page

Customer: Enovative Environmental Service Limited

Address: Room 23, 6/F, Block C, Goldfield Industrial Centre, 1 Siu Wo Road, Shatin, N.T.

Order No.: Q34412

Date of receipt

14-Dec-23

Item Tested

Description : Sound Level Meter

Manufacturer: RION

I.D.

Model

: NL-52

Serial No.

: 01143484

Test Conditions

9-Jan-24 Date of Test:

Supply Voltage : --

Ambient Temperature:

 $(23 \pm 3)^{\circ}$ C

Relative Humidity: (50 ± 25) %

Test Specifications

Calibration check.

The UUT has an indication that it conforms to IEC 61672-1:2002 Class 1

Ref. Document/Procedure: Z01, IEC 61672-1:2013.

Test Results

All results were within the IEC 61672 Class 1, manufacturer's specification or Tolerance.

The results are shown in the attached page(s).

Main Test equipment used:

Equipment No. Description

Cert. No.

Traceable to

S240

Sound Level Calibrator

303941

NIM-PRC & SCL-HKSAR

S017

Multi-Function Generator

C211339

SCL-HKSAR

The values given in this Calibration 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 environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant. The test results apply to the above Unit-Under-Test only

Approved by:

Date:

9-Jan-24

This Certificate is issued by

Hong Kong Calibration Ltd.

Unit 8B, 24/F, Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong

Tel: 2425 8801 Fax: 2425 8646

The copyright of this certificate is owned by Hong Kong Calibration Ltd.. It may not be reproduced except in full.



Certificate No. 311868

Page 2 of 3 Pages

Results:

Acoustical signal test

1. Indication at the Calibration Check Frequency (1kHz)

UUT	Setting	Applied Value (dB)	UUT Reading (dB)
Weight.	Response		After Adjust.*
А	F	94.0	94.0
	S		94.0
С	F		94.0
Z			94.0

^{*}Adjustment using the customer's sound calibrator was performed immediately before test.

Tolerance : \pm 1.0 dB Uncertainty : \pm 0.1 dB

2. Self-generated noise (Microphone Installed, most sensitive range): 16.5 dBA (Mfr's Spec. ≤ 17 dBA)

Electrical signal tests

3. Frequency weightings (A,F)

Freq	uency	Attenuation (dB)	IEC 61672-1 Class 1 Spec.
31.5	Hz	-39.7	- 39.4 dB, ± 1.5 dB
63	Hz	-26.2	- 26.2 dB, ± 1.0 dB
125	Hz	-16.1	- 16.1 dB, ± 1.0 dB
250	Hz	-8.6	- 8.6 dB, ± 1.0 dB
500	Hz	-3.2	- 3.2 dB, ± 1.0 dB
1	kHz	0.0 (Ref)	$0 \text{ dB}, \pm 0.7 \text{ dB}$
2	kHz	+1.0	+ 1.2 dB, ± 1.0 dB
4	kHz	+0.7	$+$ 1.0 dB, \pm 1.0 dB
8	kHz	-1.2	- 1.1 dB, + 1.5 dB ~ -2.5 dB
16	kHz	-8.6	- $6.6 dB$, $+ 2.5 dB \sim - 16.0 dB$

Uncertainty: $\pm 0.1 \text{ dB}$



Certificate No. 311868

Page 3 of 3 Pages

4. Frequency & Time weightings

4.1 Frequency Weighting (1kHz)

UUT S	UUT Setting			* 1
Time Weight.	Freq. Weight.	Anticipated Value	UUT	IEC 61672-1
		(dB).	Reading (dB)	Class 1 Spec.
F	A	94.0	94.0 (Ref.)	
	С		94.0	± 0.2 dB
	Z		94.0	

Uncertainty: $\pm 0.1 \text{ dB}$

4.2 Time Weighting (1kHz)

4.2 Time we	ighting (TKITZ)	,		
, UUT S	Setting			
Time Weight.	Freq. Weight.	Anticipated Value	UUT	IEC 61672-1
		(dB)	Reading (dB)	Class 1 Spec.
F	A	94.0	94.0 (Ref.)	
S			94.0	± 0.1 dB
eq			94.0	

Uncertainty: ± 0.1 dB

5. Level Linearity on the Reference Level Range (8 kHz, A, F)

Anticipated Value (dB)	UUT Reading (dB)	IEC 61672-1 Class 1 Spec.
124.0	123.9	± 0.8 dB
114.0	113.9	
104.0	104.0	
94.0	94.0 (Ref.)	
84.0	84.0	
74.0	74.0	•
64.0	. 64.0	
54.0	54.0	
44.0	44.1	

Uncertainty: $\pm 0.1 \text{ dB}$

6. Level Linearity including the level range control ($1\ kHz,\,A,\,F$)

N.A. (UUT is single range)

Remarks: 1. UUT: Unit-Under-Test

- 2. The uncertainty claimed is for a confidence probability of not less than 95%.
- 3. Atmospheric Pressure: 1 008 hPa.
- 4. Microphone model: UC-59, S/N: 07032.
- 5. Preamplifier model: NH-25, S/N: 43399.



Certificate No. 311870

2 Pages 1 of Page

Customer: Enovative Environmental Service Limited

Address: Room 23, 6/F, Block C, Goldfield Industrial Centre, 1 Siu Wo Road, Shatin, N.T.

Order No.: Q34412

Date of receipt

14-Dec-23

Item Tested

Description : Sound Calibrator

Manufacturer: RION

LD.

Model

: NC-74

Serial No.

: 34678506

Test Conditions

Date of Test:

9-Jan-24

Supply Voltage

Ambient Temperature :

 $(23 \pm 3)^{\circ}C$

Relative Humidity: (50 ± 25) %

Test Specifications

Calibration check.

The UUT has an indication that it conforms to IEC 60942:2003 Class 1.

Ref. Document/Procedure: F21, Z02, IEC 60942:2003.

Test Results

All results were within the IEC 60942 Class 1 specification.

The results are shown in the attached page(s).

Main Test equipment used:

Equipment No.	<u>Description</u>	Cert. No.	Traceable to
S014	Spectrum Analyzer	303639	NIM-PRC & SCL-HKSAR
S240	Sound Level Calibrator	303941	NIM-PRC & SCL-HKSAR
S041	Universal Counter	300591	SCL-HKSAR
S206	Sound Level Meter	303634	SCL-HKSAR

The values given in this Calibration 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 environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant. The test results apply to the above Unit-Under-Test only

Calibrated by :

Approved by:

9-Jan-24

Date:

This Certificate is issued by

Hong Kong Calibration Ltd.

Unit 8B. 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.

Tel: 2425 8801 Fax 2425 8646



Certificate No. 311870

Page 2 of 2 Pages

Results:

1. Generated Sound Pressure Level

UUT Nominal Value (dB)	Measured Value (dB)	IEC 60942 Class 1 Spec.
94.0	93.9	± 0.4 dB

Uncertainty: $\pm 0.2 \text{ dB}$

2. Short-term Level Fluctuation: 0.0 dB

IEC 60942 Class 1 Spec. : ± 0.1 dB

Uncertainty: ± 0.05 dB

3. Frequency

UUT Nominal Value (kHz)	Measured Value (kHz)	IEC 60942 Class 1 Spec.
1	1.001	± 1 %

Uncertainty: $\pm 3.6 \times 10^{-6}$

4. Total Distortion + Noise: < 1.2 % IEC 60942 Class 1 Spec.: < 3.0 % Uncertainty: ± 2.3 % of reading

Remark: 1. UUT: Unit-Under-Test

- 2. The uncertainty claimed is for a confidence probability of not less than 95%.
- 3. Atmospheric Pressure: 1 008 hPa.

----- END -----

High-Volume TSP Sampler 5-Point Calibration Record

Location : AMS5(Ma Wan Chung Village)

Calibrated by : P.F.Yeung
Date : 22/08/2024

Sampler

Model : TE-5170 Serial Number : S/N3640

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454

Next Calibration Date : 15 December 2024

 Slope (m)
 : 2.07544

 Intercept (b)
 : -0.03205

 Correlation Coefficient(r)
 : 0.99999

Standard Condition

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

Calibration Condition

Pa (hpa) : 1010 Ta(K) : 303

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)		
1	18 holes	11.4	3.344	1.627	54	53.48
2	13 holes	9.0	2.971	1.447	49	48.53
3	10 holes	6.8	2.583	1.260	43	42.59
4	7 holes	4.5	2.101	1.028	35	34.66
5	5 holes	2.8	1.657	0.814	28	27.73

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

Sampler Calibration Relationship

Slope(m):32.023 Intercept(b):1.849 Correlation Coefficient(r): 0.9994

Checked by: Magnum Fan Date: 23/08/2024

High-Volume TSP Sampler 5-Point Calibration Record

Location : AMS5(Ma Wan Chung Village)

Calibrated by : P.F.Yeung
Date : 04/11/2024

Sampler

Model : TE-5170 Serial Number : S/N3640

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454

Next Calibration Date : 15 December 2024

 Slope (m)
 : 2.07544

 Intercept (b)
 : -0.03205

 Correlation Coefficient(r)
 : 0.99999

Standard Condition

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

Calibration Condition

Pa (hpa) : 1016 Ta(K) : 301

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)		
1	18 holes	11.6	3.394	1.651	54	53.82
2	13 holes	9.0	2.990	1.456	48	47.84
3	10 holes	6.4	2.521	1.230	42	41.86
4	7 holes	4.5	2.114	1.034	35	34.88
5	5 holes	2.8	1.668	0.819	28	27.90

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

Sampler Calibration Relationship

Slope(m):31.041 Intercept(b):2.829 Correlation Coefficient(r): 0.9989

Checked by: Magnum Fan Date: 07/11/2024

High-Volume TSP Sampler 5-Point Calibration Record

Location : AMS6(Dragonair Building)

Calibrated by : P.F.Yeung
Date : 06/08/2024

Sampler

Model : TE-5170 Serial Number : S/N3641

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454

Next Calibration Date : 15 December 2024

 Slope (m)
 : 2.07544

 Intercept (b)
 : -0.03205

 Correlation Coefficient(r)
 : 0.99999

Standard Condition

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

Calibration Condition

Pa (hpa) : 1006 Ta(K) : 307

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)		
1	18 holes	11.0	3.257	1.585	54	53.03
2	13 holes	8.3	2.829	1.379	48	47.13
3	10 holes	6.4	2.484	1.212	42	41.24
4	7 holes	3.8	1.914	0.938	34	33.39
5	5 holes	2.3	1.489	0.733	25	24.55

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):32.954 Intercept(b):1.336 Correlation Coefficient(r): 0.9974

Checked by: Magnum Fan Date: 07/08/2024

High-Volume TSP Sampler 5-Point Calibration Record

Location : AMS6(Dragonair Building)

Calibrated by : P.F.Yeung
Date : 04/11/2024

Sampler

Model : TE-5170 Serial Number : S/N3642

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454

Next Calibration Date : 15 December 2024

 Slope (m)
 : 2.07544

 Intercept (b)
 : -0.03205

 Correlation Coefficient(r)
 : 0.99999

Standard Condition

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

Calibration Condition

Pa (hpa) : 1016 Ta(K) : 301

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)		
1	18 holes	11.4	3.336	1.623	56	55.32
2	13 holes	8.8	2.931	1.427	50	49.40
3	10 holes	6.8	2.576	1.257	45	44.46
4	7 holes	4.2	2.025	0.991	38	37.54
5	5 holes	2.7	1.623	0.798	30	29.64

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

Sampler Calibration Relationship

Slope(m):30.267 Intercept(b):6.373 Correlation Coefficient(r): 0.9973

Checked by: Magnum Fan Date: 07/11/2024





RECALIBRATION DUE DATE:

December 15, 2024

Certificate of Calibration

Calibration Certification Information

Cal. Date: December 15, 2023

Rootsmeter S/N: 438320

Ta: 295

°K

Operator: Jim Tisch

ROOLSHIELEI 3/ N. 430320

Pa: 748.5

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	1.4250	3.2	2.00
2	3	4	1	1.0090	6.4	4.00
3	5	6	1	0.9040	7.9	5.00
4	7	8	1	0.8610	8.8	5.50
5	9	10	1	0.7110	12.8	8.00

	Data Tabulation					
Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)	
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)	
0.9907	0.6952	1.4106	0.9957	0.6988	0.8878	
0.9864	0.9776	1.9949	0.9914	0.9826	1.2556	
0.9844	1.0890	2.2304	0.9894	1.0945	1.4037	
0.9832	1.1420	2.3393	0.9882	1.1478	1.4723	
0.9779	1.3754	2.8213	0.9829	1.3824	1.7756	
	m=	2.07544		m=	1.29961	
QSTD	b=	-0.03205	QA	b=	-0.02017	
20.0	r=	0.99999		r=	0.99999	

	Calculatio	ns		
Vstd= ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta) Va= ΔVol((Pa-ΔP)/Pa)				
Qstd=	Vstd/ΔTime	Qa=	Va/ΔTime	
	For subsequent flow ra	te calculatio	ns:	
$\mathbf{Qstd} = \frac{1}{m} \left(\left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right) \qquad \mathbf{Qa} = \frac{1}{m} \left(\left(\sqrt{\Delta H \left(Ta/Pa \right)} \right) - b \right)$				

	Standard Conditions
Tstd:	298.15 °K
Pstd:	760 mm Hg
	Key
ΔH: calibrator	manometer reading (in H2O)
ΔP: rootsmete	er manometer reading (mm Hg)
Ta: actual abs	olute temperature (°K)
Pa: actual bar	ometric 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



Enovative Environmental Service Limited

REPORT OF EQUIPMENT CALIBRATION

INSTRUMENT DESCRIPTION

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler and the filter paper is weighted by HOKLAS laboratory.

Instrument: Handheld TSP meter

Brand Name: TSI
Model No.: AM520
Serial No.: 5202345003
Date of Calibration: 21 January, 2024
Date of Next Calibration: 21 January, 2025

ISSUING ORGANISATION

Address

Enovative Environmental Service Limited

Flat 23, 6/F, Block C, Goldfield Industrial Centre

1 Sui Wo Road Shatin, N.T. Hong Kong **Phone:** 852-2242 1020

Fax: 852-3691 9240

Email: info@eno.com.hk

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Mr Wong Siu Ho, Thomas Manager



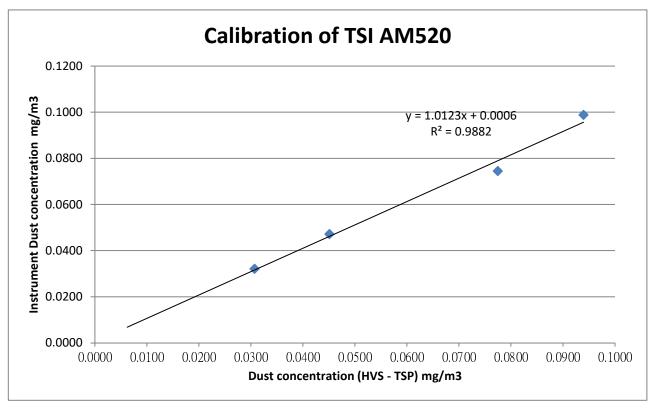
Enovative Environmental Service Limited

Brand Name: TSI
Model No.: AM520
Serial No.: 5202345003
HVS No.: A12-TSP-102
Date of Calibration: 21 January, 2024
Date of next Calibration: 21 January, 2025

Calibration Record

HVS - TSP (mg/m3)	0.0940	0.0451	0.0775	0.0307
TSI AM520 (mg/m3)	0.0988	0.0472	0.0745	0.0321

K Factor :	1.0123
Correlation Coefficient :	0.9882



*** Filter paper being used in the calibration : 209603, 209604, 209605, 209606 Those filter papers are weighted by HOKLAS laboratory (ALS Technichem (HK) Pty Ltd.)

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Mr Wong Siu Ho, Thomas Manager



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 WS CHAN WORK ORDER: HK2442101

CLIENT: AECOM ASIA COMPANY LIMITED

ADDRESS: 1501-10, 15/F, TOWER 1, **SUB-BATCH:** (

GRAND CENTRAL PLAZA, LABORATORY: HONG KONG

138 SHATIN RURAL COMMITTEE ROAD,DATE RECEIVED:15-Oct-2024SHATIN, NEW TERRITORIES, HONG KONGDATE OF ISSUE:18-Oct-2024

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the 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.

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

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type: Multifunctional Meter Service Nature: Performance Check

Scope: Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

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

Serial No./ Equipment No.: [00H1019]/ [W.026.09]
Date of Calibration: 15-October-2024

16:5

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics

This report may not be reproduced except with prior written approval from ALS Technichem (HK) Pty Ltd.

WORK ORDER: HK2442101

SUB-BATCH:

DATE OF ISSUE: 18-Oct-2024

CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

[YSI]/[6820 V2]

Serial No./

[00H1019]/[W.026.09]

Equipment No.: Date of Calibration:

15-October-2024

Date of Next Calibration:

15-January-2025

PARAMETERS:

Conductivity

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

Expected Reading (μS/cm)	Displayed Reading (μS/cm)	Tolerance (%)
146.9	150	+2.1
6667	6462	-3.1
12890	13597	+5.5
58670	58880	+0.4
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.54	2.49	-0.05
5.21	5.17	-0.04
7.41	7.35	-0.06
	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	7.01	+0.01
10.0	10.10	+0.10
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics

WORK ORDER: HK2442101

SUB-BATCH: 0

DATE OF ISSUE: 18-Oct-2024

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:

15-October-2024

Date of Next Calibration:

15-January-2025

PARAMETERS:

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	
4	4.0	+0.0
10	9.9	-1.0
20	18.7	-6.5
50	47.2	-5.6
100	96.7	-3.3
	Tolerance Limit (%)	±10.0

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.02	
10	10.48	+4.8
20	21.21	+6.1
30	31.51	+5.0
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics

WORK ORDER: HK2442101

SUB-BATCH: 0

DATE OF ISSUE: 18-Oct-2024

CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

[YSI]/[6820 V2]

Serial No./

[00H1019]/[W.026.09]

Equipment No.: Date of Calibration:

15-October-2024

Date of Next Calibration: 15-January-2025

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)
9.5	9.69	+0.2
19.0	19.52	+0.5
38.0	39.00	+1.0
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics



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Kwai Chung, N.T., Hong Kong

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR WS CHAN WORK ORDER: HK2434907

CLIENT: AECOM ASIA COMPANY LIMITED

ADDRESS: 1501-10, 15/F, TOWER 1, **SUB-BATCH:** (

GRAND CENTRAL PLAZA, LABORATORY: HONG KONG

138 SHATIN RURAL COMMITTEE ROAD, DATE RECEIVED: 30-Aug-2024 SHATIN, NEW TERRITORIES, HONG KONG DATE OF ISSUE: 05-Sep-2024

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the 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.

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

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type: Multifunctional Meter Service Nature: Performance Check

Scope: Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.: [YSI]/ [ProDSS]

Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]

Date of Calibration: 30-August-2024

M

Ms. Cheng Sin Ying, May Senior Chemist - Inorganics

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WORK ORDER: HK2434907

SUB-BATCH:

05-Sep-2024

DATE OF ISSUE: CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/

[YSI]/[ProDSS]

Model No.: Serial No./

[22J104777/22H104506]/[W.026.37]

Equipment No.: Date of Calibration:

30-August-2024

Date of Next Calibration:

30-November-2024

PARAMETERS:

Conductivity

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

Expected Reading (µS/cm)	Displayed Reading (μS/cm)	Tolerance (%)
146.9	144.0	-2.0
6667	6410	-3.9
12890	12564	-2.5
58670	56626	-3.5
	Tolerance Limit (%)	+10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
1.72	1.75	+0.03
4.52	4.60	+0.08
7.18	7.32	+0.14
	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	4.12	+0.12
7.0	6.99	-0.01
10.0	9.95	-0.05
	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.

Man

Ms. Cheng Sin Ying, May Senior Chemist - Inorganics

WORK ORDER: HK2434907

SUB-BATCH: 0

DATE OF ISSUE: 05-Sep-2024

CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

[YSI]/[ProDSS]

Serial No./

[22J104777/22H104506]/[W.026.37]

Equipment No.: Date of Calibration:

30-August-2024

Date of Next Calibration:

30-November-2024

PARAMETERS:

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.05	
4	4.09	+2.3
10	10.51	+5.1
20	21.24	+6.2
50	51.64	+3.3
100	106.20	+6.2
	Tolerance Limit (%)	±10.0

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.06	
10	10.03	+0.3
20	19.98	-0.1
30	30.50	+1.7
	Tolerance Limit (%)	±10.0

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

Man

Ms. Cheng Sin Ying, May Senior Chemist - Inorganics

WORK ORDER: HK2434907

SUB-BATCH:

05-Sep-2024

DATE OF ISSUE:

CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

[YSI]/[ProDSS]

Serial No./

[22J104777/22H104506]/[W.026.37]

Equipment No.: Date of Calibration:

30-August-2024

Date of Next Calibration:

30-November-2024

PARAMETERS:

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

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.5	10.0	-0.5
19.5	19.0	-0.5
41.0	41.2	+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.

Ms. Cheng Sin Ying, May Senior Chemist - Inorganics



APPENDIX D

Monitoring Schedule

Hong Kong Link Road - Monitoring Schedule for November 2024

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Date	•				1-Nov	2-Nov	3-Nov
					AMS5 - 24hr Dust		
					Water Quality Monitoring		
Date	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov	10-Nov
	AMS5, AMS6 -1hr Dust, NMS5- Noise			AMS5 - 24hr Dust	AMS5, AMS6 -1hr Dust		
	1st Dolphin Monitoring Water Quality Monitoring		Water Quality Monitoring		1st Dolphin Monitoring Water Quality Monitoring		
Date	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov	17-Nov
			AMS5, AMS6 - 24hr Dust	AMS5, AMS6 -1hr Dust, NMS5- Noise			
	Water Quality Monitoring				2nd Dolphin Monitoring Water Quality Monitoring		
Date	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov
		AMS5, AMS6 - 24hr Dust	AMS5, AMS6 -1hr Dust, NMS5- Noise				
	2nd Dolphin Monitoring						
Date	Water Quality Monitoring 25-Nov	26-Nov	Water Quality Monitoring 27-Nov	28-Nov	Water Quality Monitoring 29-Nov	30-Nov	
Date	20-1404	20-1404	27-1100	20-1404	23-1404	50-140V	
	AMS5, AMS6 - 24hr Dust	AMS5, AMS6 -1hr Dust, NMS5- Noise			AMS5, AMS6 - 24hr Dust		
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		

Remarks: The schedule is subject to change due to unforseable circumanstances (e.g adverse weather etc.)

- 1. Due to equipment malfunction, 24-hr TSP monitoring at AMS6 on 1 and 7 November 2024 has been cancelled.
 2. 24-hr TSP at AMS6 has been resumed on 13 November 2024.
 3. Due to Strong Wind Signal No.3, the water quality monitoring for mid-flood tide on 13 November 2024 will be cancelled and no substitute monitoring will be conducted.

Hong Kong Link Road - Monitoring Schedule for December 2024

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Date	-			-			1-Dec
Date	0.0	0.00	15	5.5.	0.0	75	8-Dec
Date	2-Dec	3-Dec	4-Dec	5-Dec	6-Dec	7-Dec	8-Dec
	AMS5, AMS6 - 1hr Dust, NMS5 -			AMS5, AMS6 - 24hr Dust	AMS5, AMS6 -1hr Dust		
	Noise			7 WOO, 7 WOO Zarii Buot	7 WICO, 7 WICO THI BUSE		
	1st Dolphin Monitoring				1st Dolphin Monitoring		
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		
Date	9-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	15-Dec
			AMS5, AMS6 - 24hr Dust	AMS5, AMS6 - 1hr Dust, NMS5 -			
	On A District Management			Noise	On A District Management		
	2nd Dolphin Monitoring Mudflat Monitoring - Ecology	Mudflat Monitoring - Ecology	Mudflat Monitoring - Ecology		2nd Dolphin Monitoring		
	Mudflat Monitoring - Ecology Mudflat Monitoring - Sedimentation	Mudilat Monitoring - Ecology	Mudilat Monitoring - Ecology				
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		
Date	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	22-Dec
		AMS5, AMS6 - 24hr Dust	AMS5, AMS6 - 1hr Dust, NMS5 -				
			Noise				
B - 4 -	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		
Date	23-Dec	24-Dec	25-Dec	26-Dec	27-Dec	28-Dec	29-Dec
	AMS5, AMS6 - 24hr Dust	AMS5, AMS6 - 1hr Dust, NMS5 -			AMS5, AMS6 - 24hr Dust		
	AWSS, AWSS - 2411 Dust	Noise			AIVISS, AIVISG - 24111 DUST		
		Noise					
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring		
Date	30-Dec	31-Dec					
	AMS5, AMS6 - 1hr Dust, NMS5 -						
	Noise						
	Market Constitution						
	Water Quality Monitoring						

Remarks: The schedule is subject to change due to unforseable circumanstances (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	2024-11-04	AMS5	08:55	1-hr TSP	97	μg/m³
HKLR	HY/2011/03	2024-11-04	AMS5	09:55	1-hr TSP	106	μg/m³
HKLR	HY/2011/03	2024-11-04	AMS5	10:55	1-hr TSP	106	μg/m ³
HKLR	HY/2011/03	2024-11-08	AMS5	13:55	1-hr TSP	71	μg/m³
HKLR	HY/2011/03	2024-11-08	AMS5	14:55	1-hr TSP	80	μg/m³
HKLR	HY/2011/03	2024-11-08	AMS5	15:55	1-hr TSP	80	μg/m³
HKLR	HY/2011/03	2024-11-14	AMS5	13:00	1-hr TSP	128	μg/m³
HKLR	HY/2011/03	2024-11-14	AMS5	14:00	1-hr TSP	128	μg/m³
HKLR	HY/2011/03	2024-11-14	AMS5	15:00	1-hr TSP	128	μg/m³
HKLR	HY/2011/03	2024-11-20	AMS5	08:50	1-hr TSP	114	μg/m³
HKLR	HY/2011/03	2024-11-20	AMS5	09:50	1-hr TSP	128	μg/m³
HKLR	HY/2011/03	2024-11-20	AMS5	10:50	1-hr TSP	128	μg/m³
HKLR	HY/2011/03	2024-11-26	AMS5	12:18	1-hr TSP	78	μg/m³
HKLR	HY/2011/03	2024-11-26	AMS5	13:18	1-hr TSP	92	μg/m³
HKLR	HY/2011/03	2024-11-26	AMS5	14:18	1-hr TSP	92	μg/m³
HKLR	HY/2011/03	2024-11-04	AMS6	08:20	1-hr TSP	117	μg/m³
HKLR	HY/2011/03	2024-11-04	AMS6	09:20	1-hr TSP	113	μg/m³
HKLR	HY/2011/03	2024-11-04	AMS6	10:20	1-hr TSP	113	μg/m³
HKLR	HY/2011/03	2024-11-08	AMS6	13:20	1-hr TSP	82	$\mu g/m^3$
HKLR	HY/2011/03	2024-11-08	AMS6	14:20	1-hr TSP	80	μg/m³
HKLR	HY/2011/03	2024-11-08	AMS6	15:20	1-hr TSP	80	$\mu g/m^3$
HKLR	HY/2011/03	2024-11-14	AMS6	13:50	1-hr TSP	131	$\mu g/m^3$
HKLR	HY/2011/03	2024-11-14	AMS6	14:50	1-hr TSP	135	μg/m³
HKLR	HY/2011/03	2024-11-14	AMS6	15:50	1-hr TSP	135	μg/m³
HKLR	HY/2011/03	2024-11-20	AMS6	08:15	1-hr TSP	101	$\mu g/m^3$
HKLR	HY/2011/03	2024-11-20	AMS6	09:15	1-hr TSP	105	μg/m³
HKLR	HY/2011/03	2024-11-20	AMS6	10:15	1-hr TSP	105	$\mu g/m^3$
HKLR	HY/2011/03	2024-11-26	AMS6	08:45	1-hr TSP	99	μg/m³
HKLR	HY/2011/03	2024-11-26	AMS6	09:45	1-hr TSP	95	μg/m³
HKLR	HY/2011/03	2024-11-26	AMS6	10:45	1-hr TSP	95	μg/m³
HKLR	HY/2011/03	2024-11-01	AMS5	08:00	24-hr TSP	50	μg/m³
HKLR	HY/2011/03	2024-11-07	AMS5	08:00	24-hr TSP	68	μg/m³
HKLR	HY/2011/03	2024-11-13	AMS5	08:00	24-hr TSP	35	μg/m³
HKLR	HY/2011/03	2024-11-19	AMS5	08:00	24-hr TSP	25	μg/m³
HKLR	HY/2011/03	2024-11-25	AMS5	08:00	24-hr TSP	33	$\mu g/m^3$
HKLR	HY/2011/03	2024-11-29	AMS5	08:00	24-hr TSP	29	$\mu g/m^3$
HKLR	HY/2011/03	2024-11-13	AMS6	08:00	24-hr TSP	9	μg/m³
HKLR	HY/2011/03	2024-11-19	AMS6	08:00	24-hr TSP	14	μg/m³
HKLR	HY/2011/03	2024-11-25	AMS6	08:00	24-hr TSP	12	$\mu g/m^3$
HKLR	HY/2011/03	2024-11-29	AMS6	08:00	24-hr TSP	58	μg/m³

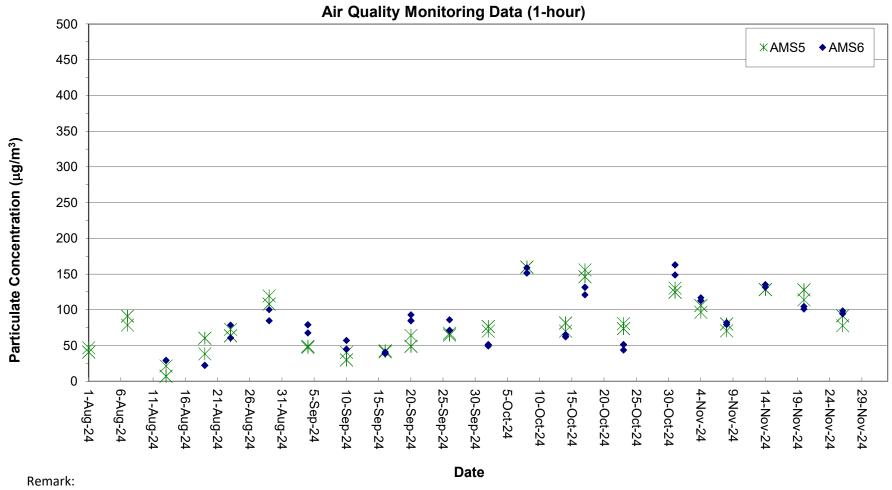
Remarks:

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.

²⁾ Due to equipment malfunction, 24-hr TSP monitoring at AMS6 on 1 and 7 November 2024 has been cancelled.

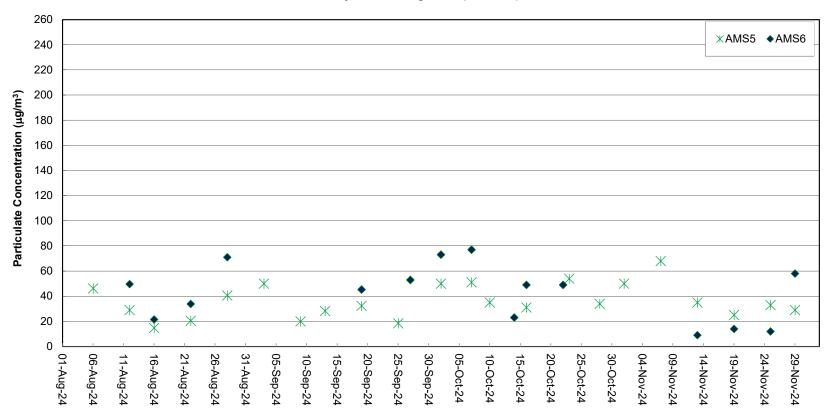
^{3) 24-}TSP at AMS6 has been resumed on 13 November 2024.

Graphical Plot of 1-hour TSP at AMS5 and AMS6



1) The existing air quality monitoring location AMS6 - Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 1-hr TSP monitoring at AMS6 was temporarily suspended from 1 April 2021 to 31 July 2024 and restarted from 7 August 2024.

Air Quality Monitoring Data (24-hour)



Remarks:

Date

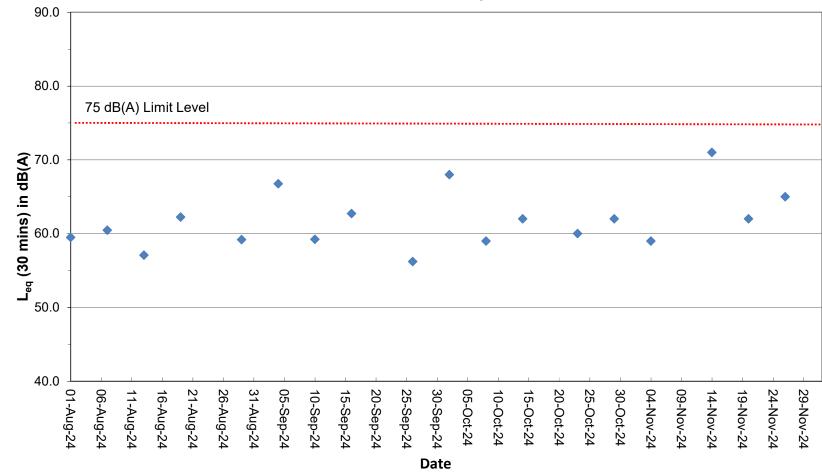
- 1) The existing air quality monitoring location AMS6 Dragonair / CNAC (Group) Building (HKIA) was handed over to Airport Authority Hong Kong on 31 March 2021. 24-hr TSP monitoring at AMS6 was temporarily suspended starting from 1 April 2021 to 31 July 2024 and restarted from 7 August 2024.
- 2) Due to unstable electricity supply on site, the 24-hr TSP monitoring results at AMS6 on 3 September, 9 September and 13 September at AMS6 were voided.
- 3) Due to equipment malfunction, the 24-hr TSP monitoring at AMS6 on 25 September 2024 has been rescheduled to 27 September 2024.
- 4) Due to unstable electricity supply, the 24-hr TSP monitoring at AMS5 and AMS6 on 1 October have been rescheduled to 2 October 2024.
- 5) Due to equipment malfunction, the 24-hr TSP monitoring at AMS6 on 10 October 2024 has been rescheduled to 14 October 2024.
- 6) Due to equipment malfunction, the 24-hr TSP monitoring at AMS5 on 22 October 2024 has been rescheduled to 23 October 2024.
- 7) Due to equipment malfunction, the 24-hr TSP monitoring at AMS6 on 28 October 2024 has been voided.
- 8) 24-hr TSP at AMS6 after 28 October 2024 has been suspended, and has been resumed on 7 November 2024.

Project	Works	Date (yyyy-mm-dd)	Station	Start Time	Wind Speed, m/s	1st	1st set 5mins		2nd set 5mins		2nd set 5mins 3rd set 5mins 4		4th set 5mins		5th set 5mins		6th set 5mins		Overall (30mins)*		Unit						
						Leq:	56.6	Leq:	56.9	Leq:	56.1	Leq:	57.7	Leq:	55.6	Leq:	55.4	Leq:	59								
HKLR HY/	HY/2011/03	2024-11-04	NMS5	15:30	<5	L10:	59.6	L10:	58.7	L10:	58.7	L10:	60.2	L10:	57.7	L10:	57.7	L10:	62	dB(A)							
						L90:	52.9	L90:	52.7	L90:	52.8	L90:	54.3	L90:	52.7	L90:	52.2	L90:	56								
HKLR HY/2011/03						Leq:	73.7	Leq:	55.2	Leq:	65.0	Leq:	67.3	Leq:	63.8	Leq:	66.5	Leq:	71								
	HY/2011/03	2024-11-14	NMS5	9:15	<5	L10:	71.6	L10:	57.1	L10:	66.3	L10:	71.5	L10:	66.1	L10:	69.6	L10:	72	dB(A)							
						L90:	52.4	L90:	51.9	L90:	53.1	L90:	57.7	L90:	60.5	L90:	61.1	L90:	61								
				9:10	<5	Leq:	59.0	59.0 Leq: 59.8 Leq: 58.9 Leq: 59.3 Leq:	58.7	Leq:	58.9	Leq:	62														
HKLR	HY/2011/03	2024-11-20	NMS5			L10:	60.6	L10:	61.9	L10:	60.3	L10:	60.6	L10:	60.7	L10:	60.5	L10:	64	dB(A)							
						L90:	56.5	L90:	56.2	L90:	56.8	L90:	56.8	L90:	56.6	L90:	56.4	L90:	60								
		2024-11-26											Leq:	63.2	Leq:	59.9	Leq:	61.4	Leq:	62.1	Leq:	61.5	Leq:	61.9	Leq:	65	
HKLR	HY/2011/03		NMS5	12:15	<5	L10:	66.5	L10:	62.4	L10:	64.1	L10:	65.0	L10:	63.4	L10:	64.5	L10:	68	dB(A)							
						L90:	58.0	L90:	57.1	L90:	58.0	L90:	58.1	L90:	57.0	L90:	58.2	L90:	61								

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

Graphical Plot of Noise Levels at NMS5





Remarks:

(1) A free field 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	pН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	ISS ISS ISS	11:47:33 11:48:18 11:47:24	1.0 1.0 4.2	Surface Surface Middle	1 1 2	1 2 1	27.95 28.03 28.10	7.99 7.99 7.98	27.11 27.11 27.45	77.9 76.0 76.0	5.4 5.3 5.3	3.4 3.4 3.4	3.6 3.4 5.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy	ISS ISS	11:47:58 11:47:06	4.2 7.4	Middle Bottom	2 3	2	27.98 28.07	8.01 7.99	27.33 27.01	75.6 75.3	5.3 5.2	3.4 3.4	5.3 6.3
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	ISS IS(Mf)6 IS(Mf)6	11:47:46 11:56:39 11:57:02	7.4 1.0 1.0	Surface Surface	3 1 1	2 1 2	28.02 28.08 28.07	8.00 8.02 8.02	27.44 27.14 27.13	74.8 79.4 79.0	5.2 5.5 5.5	3.5 3.4 3.4	5.0 4.8 3.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy Cloudy	IS(Mf)6 IS(Mf)6	11:56:26 11:56:49	2.1 2.1	Bottom Bottom	3 3	1 2	28.07 28.05 28.02	8.02 8.01 8.02	27.16 27.15	79.0 79.0 79.4	5.5 5.5	3.4 3.5 3.4	6.1 4.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy Cloudy	IS7	12:06:55 12:07:11	1.0 1.0	Surface Surface	1 1	1 2	28.11 28.08	8.01 8.01	27.11 27.09	80.1 79.3	5.6 5.5	3.3 3.3	4.1 4.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy	IS7 IS7	12:06:38	2.0	Bottom Bottom	3	2	27.88 28.15	8.01 8.01	27.19 27.14	79.9 79.6 79.2	5.5	3.3	5.3 4.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	IS8(N) IS8(N) IS8(N)	12:40:48 12:41:12 12:40:32	1.0 1.0 2.8	Surface Surface Bottom	1 1 3	1 2 1	28.03 28.03 27.89	8.00 8.01 7.99	27.10 27.10 27.10	79.2 79.6 78.5	5.5 5.5 5.4	3.6 3.5 3.6	6.2 7.1 3.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy	IS8(N) IS(Mf)9	12:41:00 12:16:52	2.8	Bottom Surface	3	2	27.93 28.05	8.00 8.01	27.16 27.13	79.3 79.8	5.5 5.5	3.6 3.5	4.2 5.1
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	IS(Mf)9 IS(Mf)9	12:17:28 12:16:41 12:16:59	2.5	Surface Bottom	3	1	28.03 28.03 28.00	8.01 8.00 8.00	27.14 27.20 27.16	79.3 78.9 79.1	5.5 5.5 5.5	3.6 3.6 3.6	4.4 5.1 4.6
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS10(N) IS10(N)	12:43:02 12:43:41	2.5 1.0 1.0	Surface Surface	1 1	1 2	28.12 28.15	8.12 8.12	27.62 27.60	93.5 94.0	6.6	2.5 2.5	3.6 4.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	12:43:27 12:42:50	5.3 5.3	Middle Middle	2 2	1 2	27.95 27.94	8.10 8.10	28.38 28.37	91.0 91.0	6.5 6.5	2.8 2.8	4.0 3.3
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Cloudy	IS10(N) IS10(N) SR3(N)	12:42:40 12:43:17 11:35:38	9.5 9.5 1.0	Bottom Bottom Surface	3 3	2	27.96 27.97 27.82	8.10 8.10 8.00	28.44 28.43 27.13	90.9 90.6 79.8	6.5 6.4 5.6	3.0 3.1 3.5	4.0 3.1 4.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy	SR3(N) SR3(N)	11:35:59 11:35:24	1.0	Surface Bottom	1 3	2	27.92 27.84	8.00 8.00	27.11 27.16	80.3 80.5	5.6 5.6	3.5 3.5	5.5 4.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy	SR3(N) SR4(N3)	11:35:45 12:30:57	2.2 1.0	Bottom Surface	3 1	2	27.90 27.93	8.01 7.99	27.18 27.20	80.3 79.5	5.6 5.5	3.6 3.6	5.2 5.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	SR4(N3) SR4(N3) SR4(N3)	12:31:27 12:30:38 12:31:09	1.0 2.7 2.7	Surface Bottom Bottom	3 3	2 1 2	28.00 27.82 27.83	7.99 7.99 7.99	27.21 27.22 27.24	78.8 78.6 78.7	5.5 5.5 5.5	3.6 3.6 3.5	4.9 4.5 4.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	12:33:53 12:33:12	1.0	Surface Surface	1 1	1 2	28.12 28.09	8.13 8.13	27.51 27.56	95.0 94.2	6.8	2.6 2.6	4.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	12:33:41 12:33:00	4.5 4.5	Middle Middle	2 2	2	27.97 27.97	8.10 8.11	28.31 28.31	91.3 91.1	6.5 6.5	2.8	3.8 4.6
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR5(N) SR10A(N)	12:33:30 12:32:48 13:34:49	7.9 7.9 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.94 27.94 28.11	8.10 8.11 8.13	28.45 28.45 28.12	91.5 91.1 93.8	6.5 6.5 6.6	3.2 3.2 2.3	3.7 3.2 3.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	13:34:00 13:34:28	1.0 6.4	Surface Middle	1 2	2	28.12 27.98	8.13 8.11	28.14 28.95	94.1 89.7	6.7 6.3	2.3 2.6	3.9 5.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	13:33:45 13:33:34 13:34:17	6.4 11.8	Middle Bottom	3	2 1 2	27.97 27.98 28.00	8.11 8.12 8.11	28.96 28.98 28.94	90.7 90.7 90.1	6.4 6.4	2.6 2.7 2.7	5.6 5.8 5.5
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10B(N2) SR10B(N2)	13:34:17 13:46:38 13:47:21	11.8 1.0 1.0	Surface Surface	3 1 1	2 1 2	28.00 28.12 28.12	8.11 8.12 8.12	28.94 28.12 28.17	90.1 92.9 92.8	6.4 6.6 6.6	2.7 2.2 2.1	5.5 4.2 5.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	13:47:09 13:46:27	3.7 3.7	Middle Middle	2 2	1 2	27.95 28.03	8.11 8.11	28.83 28.83	90.0 90.0	6.3 6.4	2.4 2.4	5.7 5.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) CS2(A)	13:46:17 13:46:52 11:40:37	6.4 6.4 1.0	Bottom Bottom Surface	3 3 1	1 2 1	28.01 28.04 27.94	8.11 8.10 8.12	28.91 28.87 27.63	89.9 89.8 97.4	6.3 6.3	2.7 2.7 2.5	5.0 5.9 5.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	11:41:12 11:41:00	1.0	Surface Middle	1 2	2	27.94 27.95 27.84	8.12 8.11	27.62 28.37	97.1 93.5	6.9	2.4 2.9	5.1 4.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	11:40:25 11:40:51	3.3 5.5	Middle Bottom	2 3	2	27.82 27.83	8.11 8.10	28.37 28.51	93.6 93.4	6.7 6.7	3.0 3.4	6.1 4.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Cloudy Cloudy	CS2(A) CS(Mf)5 CS(Mf)5	11:40:14 13:24:06 13:24:48	5.5 1 1	Surface Surface	3 1 1	2 1 2	27.82 28.00 28.07	8.10 8.02 8.03	28.53 27.11 27.05	93.3 76.9 75.6	6.6 5.3 5.3	3.3 3.4 3.4	5.9 3.2 3.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy	CS(Mf)5 CS(Mf)5	13:23:49 13:24:34	5.8	Middle Middle	2 2	1 2	27.78 27.79	8.02 8.02	27.33 27.32	76.2 74.6	5.3 5.2	3.5 3.6	5.1 4.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Ebb Mid-Ebb	Cloudy	CS(Mf)5 CS(Mf)5	13:23:23 13:24:16	10.6 10.6	Bottom Bottom	3	2	27.80 27.82	8.02 8.02	27.35 27.33	75.1 74.3	5.2 5.2	3.6 3.6	5.2 4.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Sunny Sunny Sunny	ISS ISS ISS	07:11:45 07:12:31 07:11:25	1 1 4.2	Surface Surface Middle	1 1 2	1 2 1	28.22 28.30 28.02	8.01 8.02 8.01	27.03 27.00 27.30	78.4 78.6 77.4	5.5 5.5 5.4	3.5 3.5 3.4	5.5 4.7 4.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny Sunny	ISS ISS	07:12:09 07:11:01	4.2 7.4	Middle Bottom	2 3	2	28.02 28.04	8.01 8.01	27.31 27.29	78.6 77.0	5.5 5.4	3.4 3.4	5.1 4.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Sunny	ISS IS(Mf)6 IS(Mf)6	07:11:59 06:59:39 07:00:02	7.4 1.0	Surface Surface	3 1 1	2 1 2	28.03 27.99	7.96 7.96	27.34 26.82 26.81	75.2 81.9	5.3	3.4 3.4	4.7 4.0 4.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny Sunny Sunny	IS(Mf)6 IS(Mf)6	06:59:26 06:59:52	1.0 2.0 2.0	Bottom Bottom	3 3	1 2	27.98 27.97 27.98	7.95 7.95	26.82 26.83	81.3 81.4 81.4	5.7 5.7 5.7	3.4 3.4 3.5	4.2 5.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny Sunny	IS7	06:49:39 06:50:05	1.0 1.0	Surface Surface	1 1	1 2	28.25 28.00	8.01 8.01	26.96 26.95	82.4 81.8	5.7 5.7	3.5 3.5	4.1 4.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Sunny Sunny Sunny	IS7 IS7 IS8(N)	06:49:11 06:49:49 06:17:38	2 2 1	Bottom Bottom Surface	3 3 1	1 2 1	28.17 28.16 28.19	8.00 8.00	26.93 26.94 26.82	81.9 82.1 82.0	5.7 5.7 5.7	3.5 3.5 3.6	5.2 5.1 4.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny	IS8(N) IS8(N)	06:18:08 06:17:22	1 2.8	Surface Bottom	1 3	2	28.21 28.19	8.00 7.99	26.83 26.81	81.5 81.8	5.7	3.4 3.6	5.1 4.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny	IS8(N) IS(Mf)9	06:17:48 06:38:50	2.8	Bottom Surface	3	1	28.14 28.17	7.99 8.00	26.82 26.81	80.4 81.6	5.6 5.7	3.5 3.4	4.6 4.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Sunny Sunny Sunny	IS(Mf)9 IS(Mf)9 IS(Mf)9	06:39:13 06:38:26 06:39:02	1.0 2.6 2.6	Surface Bottom Bottom	3 3	1 2	28.08 28.11 28.01	7.99 7.99	26.82 26.82 26.81	82.3 81.8 82.1	5.7 5.7 5.7	3.4 3.6 3.6	4.7 5.4 5.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	06:42:11 06:42:49	1.0 1.0	Surface Surface	1 1	1 2	27.93 27.96	8.13 8.13	27.64 27.65	94.4 94.9	6.7 6.8	2.3 2.3	5.1 5.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	06:42:35	5.3	Middle Middle	2 2	2	27.87 27.87	8.11 8.11	28.49 28.48	91.0 91.1	6.5	2.7	4.6
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Sunny	IS10(N) IS10(N) SR3(N)	06:42:25 06:41:45 07:22:07	9.6 9.6 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.88 27.87 28.12	8.11 8.11 8.00	28.50 28.52 27.09	91.1 91.3 79.9	6.5 6.5 5.6	3.2 3.1 3.4	4.4 5.4 5.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny	SR3(N) SR3(N)	07:22:42	1.0 2.0	Surface Bottom	3	1	28.11 28.09	8.00 7.99	27.12 27.13	80.4 79.7	5.6 5.5	3.5 3.4	4.8 5.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Sunny Sunny Sunny	SR3(N) SR4(N3) SR4(N3)	07:22:20 06:27:37 06:28:06	2.0 1.0 1.0	Surface Surface	3 1 1	2 1 2	28.06 28.20 28.19	8.00 8.03 8.03	27.14 26.82 26.82	80.2 81.7 81.9	5.6 5.7 5.7	3.4 3.5 3.5	5.0 4.7 5.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny Sunny	SR4(N3) SR4(N3)	06:27:25 06:27:47	2.6 2.6	Bottom Bottom	3	1 2	28.07 28.12	8.02 8.03	26.81 26.81	81.3 82.0	5.7 5.7	3.5 3.5	4.3 4.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N)	06:52:37 06:51:54	1.0	Surface Surface	1 1 2	2	27.96 27.96 27.89	8.13 8.13	27.69 27.68	93.0 93.1	6.6 6.6	2.4	4.5 4.0 4.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	06:51:42 06:52:22 06:51:29	4.4 4.4 7.8	Middle Middle Bottom	2 2 3	1 2 1	27.89 27.89 27.86	8.11 8.11 8.11	28.45 28.44 28.54	90.4 90.2 90.6	6.4 6.4 6.4	2.7 2.7 3.0	4.4 4.3 6.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR10A(N)	06:52:11 05:49:52	7.8 1.0	Bottom Surface	3	2	27.88 28.04	8.11 8.12	28.54 27.91	90.4 92.6	6.4 6.6	3.1 2.0	7.3 5.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	05:49:10 05:49:35 05:48:54	1.0 6.4 6.4	Surface Middle Middle	2 2	2 1 2	28.06 27.92 27.92	8.12 8.10 8.10	27.83 28.73 28.72	92.6 89.1 89.8	6.6 6.3 6.4	2.0 2.2 2.2	6.2 5.4 5.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	05:48:44 05:49:25	11.8 11.8	Bottom Bottom	3 3	1 2	27.92 27.93 27.96	8.10 8.10	28.72 28.76 28.77	89.8 89.8 89.4	6.4	2.2 2.6 2.6	4.0 4.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2)	05:39:46 05:39:03	1.0 1.0	Surface Surface	1	1 2	28.06 28.07	8.12 8.10	27.90 27.90	96.2 96.1	6.8 6.8	2.0 2.1	5.1 5.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	05:38:47 05:39:30 05:39:19	3.7 3.7 6.3	Middle Middle Bottom	2 2 3	1 2 1	27.95 27.97 27.95	8.08 8.10 8.09	28.62 28.57 28.73	92.3 91.1 90.3	6.5 6.5 6.4	2.3 2.3 2.6	5.6 4.7 4.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2) CS2(A)	05:38:36 07:46:24	6.3 1.0	Bottom Surface	3	2	27.86 27.86	8.08 8.14	28.76 27.60	90.6 94.6	6.4 6.8	2.5 2.8	4.2 4.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	07:45:45	1.0 3.3	Surface Middle	1 2	1	27.85 27.80	8.14 8.13	27.67 28.37	94.6 92.1	6.8	2.8 3.0	4.3 5.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-01	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	07:45:33 07:45:22 07:46:00	3.3 5.5 5.5	Middle Bottom Bottom	3 3	2 1 2	27.81 27.78 27.79	8.14 8.13 8.13	28.37 28.51 28.50	91.9 91.6 91.7	6.6 6.5 6.5	3.1 3.3 3.5	4.7 4.5 5.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny Sunny	CS(Mf)5 CS(Mf)5	05:31:22 05:32:14	1.0 1.0	Surface Surface	1 1	1 2	28.20 28.21	8.02 7.99	27.00 26.97	78.8 80.3	5.5 5.6	3.5 3.5	4.8 3.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01	Mid-Flood Mid-Flood	Sunny	CS(Mf)5 CS(Mf)5	05:31:05 05:31:51	5.9 5.9	Middle Middle	2 2	2	28.12 28.20	8.00 7.97	27.25 27.21	77.7 79.4	5.4 5.5	3.5 3.4	5.0 4.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-01 2024-11-01 2024-11-04	Mid-Flood Mid-Flood Mid-Ebb	Sunny Sunny Fine	CS(Mf)5 CS(Mf)5 IS5	05:30:45 05:31:38 13:29:19	10.8 10.8 1.0	Bottom Bottom Surface	3 3 1	1 2 1	28.08 28.10 27.76	7.99 7.96 8.12	27.25 27.35 27.08	77.3 78.7 97.0	5.4 5.5 7.0	3.5 3.5 3.2	5.2 4.3 3.1
HKLR HY/2011/03	2024-11-04	Mid-Ebb	Fine	IS5	13:30:00	1.0	Surface	1	2	27.83	8.12	27.04	97.9	7.1	3.3	3.8

Project Work		Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt		DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	ISS ISS ISS	13:29:45 13:29:08 13:28:58	4.2 4.2 7.4	Middle Middle Bottom	2 2 3	1 2 1	27.58 27.55 27.53	8.09 8.08 8.08	27.43 27.41 27.71	92.0 91.7 91.4	6.7 6.6 6.6	3.7 3.7 3.8	3.8 3.5 4.7
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	IS5 IS(Mf)6	13:29:35 13:38:14	7.4 1.0	Bottom Surface	3	2	27.55 27.83	8.08 8.12	27.73 27.24	92.1 100.0	6.7 7.3	3.8 3.1	3.6 4.4
HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS(Mf)6	13:37:56	2.2	Surface Bottom	3	1	27.81 27.79	8.12 8.11	26.77 27.29	99.1 98.4	7.2 7.1	3.1 3.8	3.5 5.0
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)6 IS7 IS7	13:37:47 13:47:30 13:47:11	2.2 1.0 1.0	Surface Surface	3 1 1	2 1 2	27.75 27.83 27.82	8.12 8.13 8.13	27.09 27.08 27.23	96.6 100.1 99.4	7.0 7.3 7.2	3.9 2.9 3.2	3.8 3.1 4.7
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	IS7	13:47:04 13:47:19	2.3 2.3	Bottom Bottom	3	1 2	27.77 27.79	8.13 8.13	27.15 27.27	98.0 98.8	7.1 7.2	3.4 3.4	4.6 4.7
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS8(N)	14:19:12 14:19:29 14:19:20	1.0	Surface Surface	1	2	27.81 27.81 27.79	8.10 8.11 8.09	26.79 26.79 26.86	97.3 98.3 97.5	7.1 7.1 7.1	3.3 3.2 3.6	3.2 4.5 3.5
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N) IS(Mf)9	14:19:02 13:56:35	2.9 2.9 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.79 27.73 27.81	8.09 8.12	26.90 27.20	96.5 99.2	7.0	3.7 3.1	4.0
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	13:56:15 13:56:24	1.0 2.5	Surface Bottom	1 3	2	27.81 27.78	8.12 8.12	27.21 27.16	98.3 98.4	7.1 7.1	3.2 3.5	4.2 3.5
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)9 IS10(N) IS10(N)	13:56:07 14:28:51 14:28:12	2.5 1.0 1.0	Surface Surface	3 1	1 2	27.74 27.73 27.72	8.11 8.09 8.09	27.28 27.72 27.66	97.8 90.9 90.3	7.1 6.5 6.4	3.3 3.0 3.1	4.3 4.6 4.0
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	14:28:00 14:28:37	5.3 5.3	Middle Middle	2 2	1 2	27.35 27.37	8.07 8.07	28.91 28.82	87.1 87.1	6.2	3.6 3.6	5.6 4.5
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) IS10(N)	14:28:28 14:27:50 13:15:28	9.6 9.6	Bottom Bottom	3	1 2	27.45 27.39	8.07 8.07	28.90 28.91 27.42	86.4 86.3	6.2	3.7	5.2 3.8 4.2
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR3(N) SR3(N)	13:15:46 13:15:35	1.0 1.0 2.3	Surface Surface Bottom	1 1 3	1 2 1	27.81 27.82 27.79	8.11 8.11 8.12	27.44 27.19	98.5 99.5 97.9	7.1 7.2 7.1	3.5 3.4 3.5	4.6 4.6
HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR4(N3)	13:15:20 14:10:30	2.3 1.0	Bottom Surface	3	2	27.74 27.79	8.10 8.11	27.51 26.81	95.9 98.1	6.8 7.1	3.7 3.1	5.2 4.8
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR4(N3) SR4(N3) SR4(N3)	14:10:14 14:10:21 14:10:06	1.0 2.8 2.8	Surface Bottom Bottom	3 3	2 1 2	27.80 27.79 27.28	8.10 8.10 8.09	27.12 26.88 27.24	97.7 97.1 95.9	7.1 7.1 6.9	3.3 3.5 3.5	4.1 4.3 5.6
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	14:17:31 14:16:46	1.0	Surface Surface	1 1	1 2	27.72 27.63	8.10 8.10	27.36 27.22	92.0 91.1	6.5	3.2 3.2	3.4 4.4
HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	14:17:19 14:16:34	4.9	Middle Middle	2	2	27.39 27.39	8.07 8.08	28.60 28.42	87.6 87.2	6.2	3.5	4.1
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR5(N) SR10A(N)	14:17:09 14:16:22 15:21:24	8.7 8.7 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.38 27.41 27.74	8.07 8.08 8.10	28.81 28.37 28.28	87.3 86.9 91.1	6.2 6.1 6.4	3.8 3.7 3.0	4.4 4.6 5.2
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	15:20:34 15:20:18	1.0 6.6	Surface Middle	1 2	2	27.73 27.35	8.10 8.08	28.15 29.47	90.8 86.4	6.4 6.1	3.0 3.4	4.3 3.5
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	15:21:03 15:20:08 15:20:50	6.6 12.1 12.1	Middle Bottom Bottom	3 3	2 1 2	27.36 27.37 27.45	8.08 8.09 8.08	29.48 29.58 29.62	86.1 86.0 85.6	6.1 6.1 6.1	3.4 3.6 3.6	3.4 4.1 4.9
HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	15:30:46 15:31:28	1.0 1.0	Surface Surface	1 1	1 2	27.75 27.80	8.09 8.09	27.97 27.99	91.3 91.5	6.5 6.5	2.9	3.9 3.9
HKLR HY/2011 HKLR HY/2011	I/03 2024-11-04 I/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	15:30:35 15:31:15	3.7 3.7	Middle Middle	2 2	1 2	27.44 27.30	8.08 8.08	29.50 29.40	87.7 87.7	6.2 6.2	3.1 3.1	4.2 3.9
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) CS2(A)	15:30:25 15:31:01 13:29:15	6.3 6.3 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.45 27.48 27.75	8.08 8.07 8.10	29.67 29.43 28.16	87.0 86.8 94.5	6.2 6.2 6.7	3.4 3.4 2.9	4.7 3.5 5.0
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	13:28:32 13:29:02	1.0 3.4	Surface Middle	1 2	2	27.70 27.34	8.10 8.08	27.83 29.34	94.4 88.6	6.7 6.3	3.0 3.3	4.0 4.8
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	13:28:19 13:28:06 13:28:51	3.4 5.8 5.8	Middle Bottom Bottom	3 3	2 1 2	27.38 27.31 27.35	8.09 8.08 8.08	29.20 29.47 29.43	88.8 88.7 89.2	6.3 6.4	3.4 3.8 3.8	4.1 5.0 4.7
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	15:00:52 15:01:30	1 1	Surface Surface	1 1	1 2	27.79 27.78	8.11 8.11	26.91 26.91	92.7 93.5	6.7	2.8 2.6	4.7 4.5
HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	15:01:16 15:00:37	6.2	Middle Middle	2	2	27.31 27.31	8.04 8.04	27.91 27.92	86.7 86.9	6.3	3.1	4.5 5.0
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Ebb Mid-Ebb Mid-Flood	Fine Fine Fine	CS(Mf)5 CS(Mf)5 IS5	15:01:06 15:00:27 09:24:21	11.4 11.4	Bottom Bottom Surface	3 3 1	2	27.33 27.31 27.65	8.05 8.04 8.12	27.61 27.91 28.44	85.9 85.9 93.3	6.2 6.2 6.5	3.3 3.3 3.0	4.0 3.5 3.6
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	09:23:29 09:24:07	1 4.2	Surface Middle	1 2	2	27.68 27.35	8.13 8.07	28.44 29.13	94.4 86.8	6.6 6.0	2.9 3.4	4.1 4.2
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	ISS ISS	09:23:16 09:23:44 09:23:06	7.4 7.4	Middle Bottom Bottom	3	1 2	27.35 27.28 27.34	8.07 8.06 8.07	29.14 29.19 29.17	86.7 85.5 85.8	6.0 6.0	3.3 3.8 3.8	4.4 4.0 4.0
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS(Mf)6	09:14:50 09:15:09	1.0	Surface Surface	1 1	1 2	27.72 27.75	8.13 8.14	28.43 28.42	97.2 97.6	6.7	3.0 3.0	5.0 5.0
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS(Mf)6	09:14:37 09:14:59	2.2	Bottom Bottom	3	2	27.63 27.67	8.11 8.12	28.52 28.50	96.9 96.9	6.7	3.3	4.1 5.8
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS7 IS7 IS7	09:05:38 09:05:22 09:05:30	1.0 1.0 2.3	Surface Surface Bottom	1 1 3	1 2 1	27.76 27.72 27.69	8.13 8.13 8.11	28.42 28.44 28.49	96.8 96.3 96.2	6.7 6.7	2.9 2.9 3.4	4.5 4.5 3.8
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	IS7 IS8(N)	09:05:14 08:30:27	2.3	Bottom Surface	3	2	27.65 27.74	8.10 8.11	28.50 28.40	95.8 96.0	6.7 6.7	3.4 3.1	4.3 3.0
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS8(N) IS8(N) IS8(N)	08:31:04 08:30:36 08:30:16	3.0 3.0	Surface Bottom Bottom	3 3	2 1 2	27.69 27.60 27.58	8.11 8.09 8.09	28.41 28.56 28.58	96.7 95.3 94.8	6.7 6.6 6.6	3.1 3.5 3.6	3.3 4.9 4.6
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)9 IS(Mf)9	08:56:19 08:56:05	1.0 1.0	Surface Surface	1	1 2	27.76 27.73	8.13 8.13	28.41 28.42	96.6 96.0	6.7 6.7	2.8 3.0	3.7 3.2
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS10(N)	08:56:10 08:55:54 09:00:46	2.5 2.5 1.0	Bottom Bottom Surface	3 3	2	27.69 27.60 27.59	8.10 8.10 8.13	28.51 28.53 28.08	95.6 94.8 92.0	6.6 6.6 6.5	3.6 3.6 3.0	3.7 4.2 5.6
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	09:01:31 09:01:12	1.0	Surface Middle	1 2	2	27.63 27.40	8.13 8.11	28.06 29.31	92.7 88.0	6.6	3.0 3.3	4.5 5.3
HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	09:00:29	5.4 9.7	Middle Bottom	3	1	27.37 27.47	8.11 8.11	29.33 29.30	87.3 87.0	6.2	3.4	4.4 5.2
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS10(N) SR3(N) SR3(N)	09:00:18 09:36:27 09:36:12	9.7 1.0 1.0	Surface Surface	3 1 1	2 1 2	27.33 27.70 27.69	8.11 8.13 8.13	29.44 28.84 28.85	95.8 94.7	6.1 6.7 6.6	3.7 3.0 3.2	4.4 3.8 3.9
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	SR3(N) SR3(N)	09:36:20 09:36:02	2.3 2.3	Bottom Bottom	3	1 2	27.67 27.61	8.12 8.11	28.89 28.91	94.7 93.2	6.6 6.5	3.5 3.7	4.2 4.5
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR4(N3) SR4(N3) SR4(N3)	08:40:46 08:41:05 08:40:55	1.0 1.0 2.9	Surface Surface Bottom	1 1 3	1 2 1	27.67 27.73 27.60	8.11 8.11 8.08	28.41 28.40 28.58	95.7 95.3 94.8	6.7 6.6 6.6	2.7 2.7 3.1	4.4 4.6 3.4
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR5(N)	08:40:35 09:10:12	2.9 1.0	Bottom Surface	3	2	27.55 27.69	8.09 8.13	28.61 27.80	95.1 91.4	6.6 6.5	3.0 2.9	3.4 4.1
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR5(N) SR5(N)	09:11:00 09:09:59 09:10:45	1.0 4.7 4.7	Surface Middle Middle	2 2	1 2	27.70 27.42 27.41	8.13 8.11 8.11	27.82 29.29 29.28	91.0 86.9 86.5	6.4 6.1 6.1	2.9 3.2 3.2	4.6 4.6 3.9
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N) SR5(N)	09:10:45 09:10:33 09:09:46	8.3 8.3	Bottom Bottom	3 3	1 2	27.41 27.35 27.35	8.11 8.11 8.11	29.46 29.45	86.9 87.3	6.1 6.2	3.6 3.6	6.0 4.6
HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	08:03:41 08:02:57	1.0 1.0	Surface Surface	1	2	27.66 27.68	8.12 8.11	28.28 28.16	90.3 90.7	6.4 6.4	2.9 2.9	4.1 4.1
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	08:02:38 08:03:24 08:02:28	6.6 6.6 12.2	Middle Middle Bottom	2 2 3	1 2 1	27.36 27.37 27.37	8.09 8.10 8.09	29.57 29.57 29.63	86.8 85.9 85.9	6.1 6.1	3.1 3.1 3.5	4.4 3.3 4.6
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10B(N2)	08:03:13 07:54:07	12.2 1.0	Bottom Surface	3	2	27.41 27.71	8.10 8.12	29.63 28.24	86.0 95.9	6.1 6.8	3.4 2.9	5.0 4.8
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	07:54:49 07:53:51 07:54:34	1.0 3.7 3.7	Surface Middle Middle	2 2	2 1 2	27.70 27.57 27.54	8.11 8.09 8.09	28.23 29.20 29.20	95.2 90.3 90.0	6.7 6.4 6.3	2.8 3.1 3.2	4.5 4.8 5.0
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2)	07:53:38 07:54:23	6.3 6.3	Bottom Bottom	3	1 2	27.30 27.50	8.09 8.11	29.59 29.46	88.7 88.8	6.2 6.2	3.3 3.5	5.8 4.7
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS2(A) CS2(A)	10:06:02 10:05:15 10:05:48	1.0 1.0	Surface Surface Middle	1 1 2	1 2 1	27.63 27.65 27.40	8.11 8.11 8.10	27.77 27.81 29.17	92.4 93.0 88.2	6.6 6.6	3.2 3.2 3.4	5.0 4.2 4.3
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	10:05:48 10:04:58 10:05:35	3.4 3.4 5.7	Middle Middle Bottom	2 2 3	2	27.40 27.44 27.30	8.10 8.10 8.09	29.17 29.12 29.45	88.2 88.4 87.8	6.2 6.3 6.2	3.4 3.4 3.8	4.3 4.9 4.9
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS(Mf)5	10:04:44 07:49:49	5.7 1.0	Bottom Surface	3	2	27.36 27.68	8.10 8.09	29.39 28.45	88.4 93.9	6.3 6.5	3.6 3.0	4.8 4.2
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	07:50:34 07:50:19 07:49:35	1.0 6.2 6.2	Surface Middle Middle	2 2	2 1 2	27.69 27.34 27.36	8.10 8.07 8.06	28.43 29.20 29.20	94.7 87.4 87.4	6.6 6.1	2.9 3.3 3.3	4.0 3.6 4.8
HKLR HY/2011 HKLR HY/2011	1/03 2024-11-04 1/03 2024-11-04	Mid-Flood Mid-Flood	Fine Fine	CS(Mf)5 CS(Mf)5	07:49:24 07:50:06	11.4 11.4	Bottom Bottom	3 3	1 2	27.36 27.36	8.06 8.07	29.15 29.20	86.4 86.1	6.0 6.0	3.6 3.6	4.5 3.8
HKLR HY/2011 HKLR HY/2011 HKLR HY/2011	1/03 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS5 IS5 IS5	15:07:53 15:08:32 15:08:19	1.0 1.0 4.3	Surface Surface Middle	1 1 2	1 2 1	27.57 27.57 27.39	8.10 8.09 8.05	27.99 28.02 28.37	94.4 92.6 88.4	6.4 6.3 6.0	3.1 3.0 3.3	3.6 3.1 3.7
HKLR HY/2011		Mid-Ebb	Fine	IS5	15:07:40	4.3	Middle	2	2	27.37	8.04	28.39	89.6	6.1	3.4	3.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt		DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	ISS ISS IS(Mf)6	15:08:09 15:07:30 15:17:35	7.5 7.5 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.39 27.38 27.62	8.05 8.05 8.10	28.52 28.52 28.05	88.2 89.2 95.9	6.0 6.1 6.5	3.5 3.6 2.9	3.4 4.7 3.3
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS(Mf)6	15:17:20 15:17:29	1.0	Surface Bottom	1 3	2	27.58 27.60	8.10 8.10	27.87 28.07	94.3 94.8	6.4	2.8 3.2	4.6 3.4
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS7	15:17:12 15:27:04	2.1 1.0	Bottom Surface	3	1	27.54 27.64	8.08 8.12	28.08 27.94	93.1 97.8	6.4	3.2 2.7	3.0 5.2
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS7 IS7 IS7	15:26:48 15:26:41 15:26:55	1.0 2.3 2.3	Surface Bottom Bottom	3 3	2 1 2	27.62 27.60 27.61	8.11 8.11 8.11	28.03 28.00 28.05	97.2 96.8 97.1	6.6 6.6 6.6	2.9 3.2 3.1	4.2 4.9 4.4
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N)	15:59:56 16:00:15	1.0	Surface Surface	1 1	1 2	27.57 27.61	8.09 8.11	27.90 27.83	96.5 95.7	6.6	2.8	4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N)	16:00:05 15:59:47	3.2 3.2	Bottom Bottom	3	2	27.56 27.55	8.07 8.07	27.99 28.02	94.9 94.8	6.5 6.5	2.9 2.9	3.4 4.9
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS(Mf)9	15:37:02 15:36:44 15:36:51	1.0 1.0 2.5	Surface Surface Bottom	1 1 3	1 2 1	27.64 27.61 27.61	8.12 8.11 8.11	27.99 28.02 28.00	98.0 97.1 97.2	6.7 6.6 6.6	2.7 2.8 3.0	4.6 4.7 3.4
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS10(N)	15:36:37 16:08:34	2.5	Bottom Surface	3	2	27.57 27.60	8.09 8.13	28.09 28.26	97.2 91.7	6.6	2.9 2.7	3.4 5.8
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	16:09:13 16:08:21	1.0 5.4	Surface Middle	1 2	2	27.59 27.32	8.13 8.08	28.31 29.05	93.0 89.0	6.3 6.0	2.6 3.0	4.2 4.8
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	16:09:00 16:08:11 16:08:50	5.4 9.7 9.7	Middle Bottom Bottom	3 3	1 2	27.33 27.40 27.39	8.08 8.09 8.08	29.01 28.97 29.03	89.0 87.3 88.1	6.0 5.9 5.9	3.0 3.3 3.4	4.4 4.3 5.7
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR3(N)	14:58:40 14:58:56	1.0	Surface Surface	1 1	1 2	27.61 27.64	8.11 8.12	28.10 28.08	97.1 98.1	6.6	3.0 2.9	5.3 3.1
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR3(N)	14:58:46 14:58:32	2.3	Bottom Bottom	3	2	27.61 27.55	8.11 8.08	27.99 28.20	96.2 95.2	6.6	3.3	4.9 4.9
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR4(N3) SR4(N3) SR4(N3)	15:50:46 15:50:28 15:50:37	1.0 1.0 2.8	Surface Surface Bottom	1 1 3	2	27.60 27.59 27.60	8.11 8.10 8.08	27.84 27.99 27.93	96.6 96.7 96.4	6.6 6.6 6.6	2.6 2.8 3.0	4.3 4.0 3.4
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR5(N)	15:50:20 15:56:22	2.8	Bottom Surface	3	2	27.34 27.57	8.08 8.13	28.09 28.17	96.7 93.1	6.6	3.0	3.5 5.4
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	15:55:39 15:55:28	1.0 4.7	Surface Middle	2	1	27.50 27.33	8.13 8.08	28.13 28.83	90.6 87.8	6.1 5.9	2.9 3.0	4.9 4.0
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	15:56:09 15:55:16 15:55:59	4.7 8.4 8.4	Middle Bottom Bottom	3	1 2	27.33 27.37 27.34	8.07 8.08 8.07	28.92 28.79 29.01	88.9 87.1 88.3	6.0 5.8 6.0	3.0 3.1 3.1	4.8 4.7 4.4
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	17:18:56 17:18:08	1.0 1.0	Surface Surface	1 1	1 2	27.63 27.62	8.14 8.14	28.54 28.49	92.0 90.0	6.2 6.1	2.6 2.6	4.4 4.5
HKLR HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	17:18:36 17:17:49 17:17:35	7.0 7.0 12.9	Middle Middle Bottom	2 2 3	2	27.32 27.32 27.32	8.08 8.08 8.08	29.35 29.34 29.40	86.3 87.9 85.7	5.8 5.9	2.8	3.7 4.0 4.0
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N) SR10B(N2)	17:17:35 17:18:25 17:29:08	12.9 12.9 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.32 27.38 27.65	8.08 8.08 8.13	29.40 29.41 28.44	85.7 86.9 93.8	5.8 5.8 6.3	3.1 3.0 2.6	4.0 4.8 4.6
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	17:28:32 17:28:18	1.0 3.8	Surface Middle	1 2	2	27.64 27.39	8.12 8.08	28.43 29.30	92.1 89.8	6.2 6.0	2.6 2.7	5.2 5.0
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	17:28:55 17:28:43 17:28:10	3.8 6.6 6.6	Middle Bottom Bottom	3	2 1 2	27.34 27.46 27.44	8.08 8.09 8.09	29.25 29.21 29.33	90.2 89.7 88.6	6.1 6.0 6.0	2.7 3.0 3.0	4.0 3.5 2.0
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A)	15:01:51 15:02:30	1.0	Surface Surface	1 1	1 2	27.57 27.63	8.14 8.14	28.35 28.47	95.2 94.3	6.4	2.9 2.8	4.0 3.8
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	15:01:39 15:02:16	3.3 3.3	Middle Middle	2	1 2	27.33 27.33	8.09 8.08	29.15 29.21	91.0 90.5	6.1 6.1	3.1 3.1	3.9 5.0
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS2(A) CS2(A) CS(Mf)5	15:02:08 15:01:28 16:41:01	5.6 5.6 1	Bottom Bottom Surface	3 3 1	1 2 1	27.36 27.32 27.57	8.09 8.09 8.11	29.23 29.27 27.92	90.0 90.3 89.8	6.1 6.1	3.4 3.2 3.0	3.0 3.8 4.1
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	16:41:41 16:41:27	1 6.6	Surface Middle	1 2	2	27.59 27.23	8.11 8.02	27.91 28.65	90.3 86.6	6.2 5.9	2.8	4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	16:40:46 16:41:16	6.6 12.1	Middle Bottom	2	1	27.22 27.27	8.02 8.03	28.67 28.49	86.7 84.9	5.9 5.8	3.1 3.3	4.9 4.3
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Ebb Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 IS5 IS5	16:40:37 11:02:30 11:01:40	12.1 1 1	Surface Surface	3 1 1	2 1 2	27.22 27.47 27.45	8.02 8.10 8.10	28.68 28.61 28.67	85.0 88.2 90.3	5.8 5.9 6.0	3.3 2.9 2.9	3.3 4.0 4.1
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	11:01:30 11:02:17	4.2 4.2	Middle Middle	2 2	1 2	27.24 27.24	8.04 8.04	29.16 29.15	84.9 83.5	5.7 5.6	3.1 3.2	4.3 4.7
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	ISS ISS IS(Mf)6	11:01:58 11:01:17 10:52:26	7.4 7.4 1.0	Bottom Bottom Surface	3	2	27.20 27.24 27.56	8.03 8.04 8.11	29.26 29.21 28.55	83.8 84.2 94.7	5.6 5.6 6.3	3.8 3.7 2.7	6.0 4.2 3.5
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS(Mf)6	10:52:12 10:52:18	1.0	Surface Bottom	1 1 3	2	27.51 27.51	8.10 8.09	28.60 28.63	94.0	6.3	2.7	3.7 3.9
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS7	10:52:02 10:43:54	2.2 1.0	Bottom Surface	3 1	2	27.45 27.56	8.07 8.11	28.72 28.55	94.2 95.3	6.3 6.4	2.8 2.6	2.8 2.9
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS7 IS7 IS7	10:44:09 10:43:46 10:44:01	1.0 2.3 2.3	Surface Bottom Bottom	1 3 3	2 1 2	27.57 27.53 27.54	8.11 8.09 8.09	28.54 28.59 28.60	96.2 95.3 94.9	6.4 6.4 6.3	2.6 2.9 2.9	2.9 4.0 3.7
HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS8(N)	10:10:23	1 1	Surface Surface	1 1	1 2	27.53 27.54	8.09 8.09	28.51 28.51	92.9 91.4	6.2	2.7	4.8 4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS8(N)	10:09:46 10:10:05	3.0 3.0	Bottom Bottom	3	2	27.40 27.48	8.05 8.07	28.76 28.65	90.3 92.0	6.0	3.1 3.0	4.5 3.5
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS(Mf)9	10:33:49 10:34:03 10:33:54	1.0 1.0 2.3	Surface Surface Bottom	1 1 3	1 2 1	27.52 27.58 27.53	8.10 8.11 8.09	28.57 28.52 28.61	92.0 93.7 92.5	6.1 6.3 6.2	2.6 2.6 3.0	3.7 4.0 4.6
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)9 IS10(N)	10:33:40 10:28:31	2.3 1.0	Bottom Surface	3	2	27.41 27.50	8.07 8.15	28.75 28.46	91.0 90.4	6.1 6.1	2.9 2.7	4.2 5.2
HKLR HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	10:29:12	5.3	Surface Middle	2	1	27.51 27.33	8.15 8.09	28.47 29.24	90.2 87.0	6.1 5.9	2.7	4.0 5.3
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	10:28:17 10:28:46 10:28:07	5.3 9.6 9.6	Middle Bottom Bottom	3 3	2 1 2	27.29 27.35 27.29	8.09 8.09 8.09	29.25 29.26 29.33	87.4 87.9 89.0	5.9 5.9 6.0	3.0 3.4 3.4	4.0 3.8 3.7
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	SR3(N) SR3(N)	11:16:00 11:15:47	1.0 1.0	Surface Surface	1 1	1 2	27.55 27.50	8.12 8.10	28.73 28.80	93.2 91.6	6.2 6.1	2.9 3.0	4.5 4.2
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR3(N) SR3(N) SR4(N3)	11:15:54 11:15:40 10:19:21	2.3 2.3 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.51 27.44 27.50	8.10 8.08 8.09	28.80 28.90 28.55	92.0 90.7 92.3	6.1 6.2	3.2 3.2 2.5	4.3 4.2 4.4
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR4(N3)	10:19:42 10:19:32	1.0	Surface Surface Bottom	1 1 3	2	27.52 27.43	8.09 8.05	28.56 28.79	91.6 91.5	6.1 6.1	2.5 2.7	3.6 4.2
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR5(N)	10:19:11	3.1 1.0	Bottom Surface	3 1	1	27.42 27.59	8.06 8.16	28.76 28.33	92.2 90.9	6.2 6.1	2.6 2.5	4.7 4.8
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	10:39:30 10:39:15 10:40:03	1.0 4.7 4.7	Surface Middle Middle	1 2 2	2 1 2	27.59 27.33 27.32	8.16 8.09 8.09	28.31 29.23 29.24	91.1 87.0 86.9	6.1 5.8 5.8	2.7 2.8 2.8	4.6 3.9 4.3
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N)	10:39:03 10:39:51	8.3 8.3	Bottom Bottom	3	1 2	27.28 27.29	8.09 8.09	29.35 29.35	86.0 85.8	5.8 5.8	3.1 3.2	4.6 4.5
HKLR HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N)	09:35:01 09:35:47 09:35:29	1.0	Surface Surface Middle	1 1 2	1 2	27.56 27.56 27.28	8.15 8.15	28.46 28.52 29.40	90.2 90.0 87.7	6.1 6.0 5.9	2.5 2.4 2.7	3.7 4.0 4.6
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	09:35:29 09:34:42 09:34:32	7.1 7.1 13.2	Middle Middle Bottom	2 2 3	1 2 1	27.28 27.27 27.28	8.08 8.08 8.08	29.40 29.41 29.42	87.7 87.6 85.3	5.9 5.9 5.7	2.7 2.8 3.3	4.6 5.1 4.0
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10B(N2)	09:35:16 09:25:11	13.2 1.0	Bottom Surface	3 1	2	27.34 27.57	8.09 8.15	29.38 28.48	85.3 94.0	5.7 6.3	3.3 2.5	4.1 3.4
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	09:25:50 09:24:55 09:25:37	1.0 3.8 3.8	Surface Middle Middle	1 2 2	2 1 2	27.54 27.38 27.38	8.14 8.08 8.09	28.52 29.17 29.14	95.0 89.9 90.1	6.4 6.0 6.0	2.4 2.5 2.7	5.0 4.2 3.2
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	09:25:37 09:25:25 09:24:44	6.6 6.6	Bottom Bottom	3 3	1 2	27.38 27.29	8.09 8.09	29.30 29.33	87.6 88.6	5.9 5.9	3.2 3.0	3.6 4.9
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	11:32:04 11:31:28	1.0 1.0	Surface Surface	1	2	27.52 27.55	8.14 8.14	28.35 28.35	92.3 92.8	6.2 6.2	2.9 3.0	4.4 3.9
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	11:31:13 11:31:53 11:30:59	3.4 3.4 5.8	Middle Middle Bottom	2 2 3	1 2 1	27.38 27.35 27.33	8.10 8.10 8.09	29.08 29.13 29.26	89.8 89.6 88.5	6.0 6.0 5.9	3.2 3.2 3.4	3.4 3.3 4.3
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS(Mf)5	11:31:42 09:28:48	5.8 1.0	Bottom Surface	3 1	2	27.35 27.57	8.10 8.12	29.22 28.44	89.0 89.2	6.0	3.5 2.6	3.4 3.3
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-06 2024-11-06	Mid-Flood Mid-Flood	Fine Fine	CS(Mf)5 CS(Mf)5	09:27:56 09:28:29	1.0 6.5	Surface Middle	1 2	1	27.47 27.24	8.09 8.04	28.49 29.21	87.7 82.7	5.9 5.5	2.5 3.0	4.1 4.8
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-06 2024-11-06 2024-11-06	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	09:27:42 09:27:32 09:28:15	6.5 11.9 11.9	Middle Bottom Bottom	2 3 3	2 1 2	27.17 27.16 27.23	8.04 8.04 8.03	29.23 29.29 29.32	83.7 81.8 80.3	5.6 5.5 5.4	2.9 3.2 3.1	3.9 3.8 3.8
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	05:30:54 05:30:07	1.0	Surface Surface	1 1	1 2	27.37 27.36	8.11 8.12	28.98 28.99	89.6 91.2	6.3 6.3	3.3 3.2	2.1 2.8
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	05:29:56 05:30:41	4.2 4.2	Middle Middle	2 2	2	27.23 27.23	8.08 8.07	29.37 29.37	87.2 86.4	6.0	3.5 3.5	2.8 3.2
HKLR	HY/2011/03 HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	05:30:23 05:29:45	7.4 7.4	Bottom Bottom	3	2	27.20 27.23	8.07 8.08	29.44 29.41	86.2 86.5	6.0	3.9 3.8	1.9 2.7

Project Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)6 IS(Mf)6 IS(Mf)6	05:20:51 05:20:36 05:20:42	1.0 1.0 2.2	Surface Surface Bottom	1 1 3	1 2 1	27.42 27.40 27.39	8.12 8.12 8.11	28.91 28.93 28.99	94.5 93.9 93.8	6.6 6.5 6.5	3.1 3.1 3.3	2.4 2.8 2.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS7	05:20:22 05:11:12	2.2	Bottom Surface	3	2	27.38 27.44	8.10 8.12	29.07 28.91	93.1 93.4	6.5	3.2 3.2	2.6 2.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	IS7 IS7	05:11:28 05:11:03	1.0 2.3	Surface Bottom	1 3	1	27.45 27.43	8.12 8.11	28.89 28.96	94.2 93.3	6.5 6.5	3.2 3.5	2.6 3.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS7 IS8(N) IS8(N)	05:11:19 04:39:16 04:38:47	2.3 1.0 1.0	Surface Surface	3 1	2 1 2	27.43 27.43 27.44	8.11 8.11 8.11	28.96 28.85 28.86	93.3 93.5 92.1	6.5 6.5 6.4	3.5 2.8 2.9	2.2 3.2 4.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N)	04:38:55	3.0	Bottom Bottom	3 3	1 2	27.40 27.36	8.10 8.09	28.98 29.06	92.6 90.8	6.5	3.2 3.3	2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	05:02:08 05:02:25	1.0	Surface Surface	1	2	27.42 27.45	8.12 8.12	28.92 28.90	92.9 94.2	6.5	2.9	2.1 3.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS10(N)	05:02:15 05:01:59 04:49:07	2.4 2.4 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.42 27.36 27.28	8.11 8.10 8.10	28.97 29.06 28.70	93.3 91.7 91.0	6.5 6.4 6.4	3.2 3.1 2.6	2.1 2.0 3.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	04:49:46	1.0	Surface Middle	1 2	2	27.30 27.23	8.11 8.07	28.71 29.20	91.4 88.5	6.4	2.6 2.8	2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	04:48:55	5.4 9.7	Middle Bottom	3	1	27.21 27.24	8.07	29.20 29.21	88.4 88.4	6.2	3.0	4.6 3.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) SR3(N) SR3(N)	04:48:44 05:41:35 05:41:20	9.7 1.0 1.0	Surface Surface	3 1 1	1 2	27.21 27.41 27.39	8.07 8.12 8.11	29.25 29.01 29.06	89.2 92.3 91.2	6.2 6.4 6.4	3.4 3.1 3.2	3.3 2.6 3.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR3(N)	05:41:28 05:41:12	2.3	Bottom Bottom	3	1 2	27.40 27.36	8.11 8.10	29.10 29.15	91.4 90.6	6.4 6.3	3.3 3.3	1.6 2.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR4(N3) SR4(N3)	04:48:01 04:48:19 04:48:10	1.0	Surface Surface	1	2	27.40 27.42 27.36	8.11 8.11 8.09	28.88 28.89 29.05	93.1 92.9 92.7	6.5 6.5	2.7 2.7 2.9	3.3 2.3 2.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR4(N3) SR5(N)	04:48:10 04:47:49 05:00:22	3.0 3.0 1.0	Bottom Bottom Surface	3 3	2	27.36 27.38	8.09 8.11	29.05 29.05 28.70	92.7 92.7 89.8	6.5	2.8 2.5	3.1 3.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	04:59:36 04:59:22	1.0 4.4	Surface Middle	1 2	2	27.38 27.24	8.11 8.07	28.69 29.21	90.0 87.6	6.3 6.1	2.6 2.9	3.7 2.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	05:00:06 04:59:10 04:59:54	7.8 7.8	Middle Bottom Bottom	3 3	2 1 2	27.24 27.21 27.22	8.07 8.07 8.07	29.21 29.28 29.28	87.5 87.2 86.9	6.1 6.1 6.1	3.0 3.2 3.3	4.1 3.4 3.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	03:56:44	1.0	Surface Surface	1 1	1 2	27.42 27.42	8.10 8.10	28.91 28.88	89.3 89.9	6.2	2.4 2.4	3.1 4.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	03:56:27 03:55:45	6.8 6.8	Middle Middle	2 2	1 2	27.26 27.26	8.05 8.05	29.42 29.42	87.5 88.0	6.1 6.1	2.6 2.8	3.8 4.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N) SR10B(N2)	03:55:35 03:56:16 03:45:35	12.5 12.5 1.0	Bottom Bottom Surface	3 3 1	1 2 1	27.27 27.30 27.42	8.05 8.06 8.10	29.44 29.42 28.89	86.8 86.3 93.0	6.0 6.0	3.2 3.2 2.5	3.5 3.6 3.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	03:46:17 03:45:20	1.0 3.7	Surface Middle	1 2	2	27.40 27.31	8.10 8.06	28.91 29.29	93.3 89.9	6.5 6.2	2.4 2.6	4.0 3.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	03:46:00	3.7 6.3	Middle Bottom	2 3	1	27.31 27.31	8.08 8.07	29.27 29.37	89.3 87.9	6.2 6.1	2.6 3.1	3.0 4.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) CS2(A) CS2(A)	03:45:10 05:50:19 05:49:41	6.3 1.0 1.0	Surface Surface	3 1 1	2 1 2	27.26 27.22 27.23	8.06 8.11 8.11	29.39 28.72 28.73	92.0 92.7	6.2 6.4 6.5	3.1 2.9 2.8	3.1 3.1 3.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	05:49:28 05:50:08	3.4 3.4	Middle Middle	2 2	1 2	27.14 27.12	8.09 8.09	29.15 29.18	90.6 90.2	6.3 6.3	3.2 3.1	4.1 4.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	05:49:16	5.7	Bottom	3	2	27.11 27.12	8.09 8.09	29.27 29.25	89.6 89.9	6.3	3.4 3.6	4.8 3.6
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	04:03:41 04:02:55 04:03:24	1 1 6.3	Surface Surface Middle	1 1 2	1 2 1	27.43 27.38 27.24	8.11 8.09 8.07	28.81 28.85 29.39	90.6 89.7 86.5	6.3 6.0	2.6 2.6 3.0	1.8 2.3 2.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	04:02:40 04:02:28	6.3 11.6	Middle Bottom	2	2	27.20 27.20	8.06 8.06	29.40 29.52	86.9 85.2	6.1	3.0 3.3	3.7 3.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 IS5 IS5	04:03:12 16:04:52 16:05:29	11.6 1 1	Surface Surface	3 1 1	2 1 2	27.22 27.46 27.46	8.06 8.11 8.11	29.52 28.81 28.77	93.7 92.8	5.9 6.6 6.5	3.2 3.4 3.3	2.8 2.9 2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	16:05:16 16:04:41	4.3	Middle Middle	2 2	1 2	27.35 27.34	8.09	29.03 29.09	90.1 90.8	6.4	3.6 3.7	4.4 2.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	16:05:07 16:04:30	7.5 7.5	Bottom Bottom	3	2	27.35 27.34	8.08 8.09	29.15 29.16	89.9 90.3	6.3 6.4	3.8 3.8	3.4 3.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)6 IS(Mf)6 IS(Mf)6	16:15:16 16:15:00 16:15:09	1.0 1.0 2.2	Surface Surface Bottom	1 1 3	2	27.48 27.46 27.47	8.12 8.13 8.12	28.74 28.65 28.78	96.5 95.0 95.2	6.8 6.7 6.7	3.2 3.2 3.5	2.8 2.5 3.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS7	16:14:50 16:23:45	2.2 1.0	Bottom Surface	3	2	27.43 27.50	8.12 8.14	28.80 28.68	93.8 97.9	6.6 6.9	3.5 3.2	3.2 2.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS7 IS7 IS7	16:23:27 16:23:18 16:23:35	1.0 2.3	Surface Bottom	3 3	2 1 2	27.49 27.47	8.13 8.14	28.72 28.72 28.74	97.1 96.3	6.8	3.3 3.5	4.7 2.4 4.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS8(N)	16:56:00 16:56:18	2.3 1 1	Surface Surface	1 1	1 2	27.48 27.50 27.52	8.13 8.12 8.13	28.78 28.75	97.1 94.7 94.6	6.8 6.7 6.6	3.5 3.1 3.0	1.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS8(N)	16:56:09 16:55:50	3.1 3.1	Bottom Bottom	3	1 2	27.49 27.47	8.11 8.11	28.89 28.92	93.80 93.50	6.6 6.6	3.2 3.3	3.4 3.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS(Mf)9	16:33:19 16:33:00 16:33:08	1.0 1.0 2.5	Surface Surface Bottom	1 1 3	1 2 1	27.51 27.49 27.50	8.14 8.14 8.14	28.82 28.82 28.88	96.50 95.80 95.70	6.8 6.7 6.7	3.0 3.1 3.3	4.1 2.8 3.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)9 IS10(N)	16:32:51 16:59:10	2.5	Bottom Surface	3	2	27.47 27.45	8.14 8.09	28.92 28.57	95.40 90.40	6.7	3.3 2.6	6.4 4.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	16:59:48 16:58:58	1.0 5.4	Surface Middle	1 2	1	27.45 27.30	8.09 8.06	28.59 29.06	91.00 88.70	6.3	2.6 3.1	3.1 3.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	16:59:35 16:58:48 16:59:25	5.4 9.7 9.7	Middle Bottom Bottom	3 3	1 2	27.30 27.34 27.34	8.06 8.06	29.03 29.03 29.05	88.70 88.00 88.20	6.2 6.1 6.1	3.0 3.2 3.3	4.9 2.9 3.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	SR3(N) SR3(N)	15:50:04 15:49:46	1.0 1.0	Surface Surface	1 1	1 2	27.52 27.50	8.13 8.12	28.76 28.70	97.40 95.40	6.8 6.7	3.3 3.3	2.9 3.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR3(N) SR3(N) SR4(N3)	15:49:53 15:49:36 16:46:58	2.3	Bottom	3 3 1	2	27.49 27.46 27.47	8.12 8.11 8.13	28.69 28.77 28.70	95.00 93.80 95.30	6.5	3.5 3.6	2.7 4.3 3.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR4(N3)	16:46:40 16:46:49	1.0 1.0 2.8	Surface Surface Bottom	1 1 3	1 2 1	27.47 27.47 27.47	8.13 8.11	28.78 28.81	95.10 94.90	6.7 6.7	3.0 3.1 3.3	3.5 2.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR5(N)	16:46:31 16:49:29	2.8 1.0	Bottom Surface	3 1	2	27.34 27.44	8.11 8.09	28.91 28.53	94.60 92.10	6.6 6.4	3.3 2.7	2.8 4.1
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	16:48:49 16:48:37 16:49:17	1.0 4.5 4.5	Surface Middle Middle	1 2 2	2 1 2	27.40 27.29 27.30	8.09 8.06 8.05	28.52 28.93 28.97	90.40 88.50 89.30	6.3 6.2 6.2	2.8 3.1 3.1	5.4 4.6 3.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N)	16:48:26 16:49:07	8.0 8.0	Bottom Bottom	3	1 2	27.31 27.30	8.06 8.05	28.93 29.05	88.00 88.70	6.1 6.2	3.4 3.3	3.0 2.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	17:50:39 17:51:30	1.0	Surface Surface	1 1 2	2	27.52 27.53 27.34	8.10 8.10	28.99 29.01	90.60 91.00	6.3 6.3	2.8	4.1 2.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	17:51:05 17:50:23 17:50:10	6.7 6.7 12.3	Middle Middle Bottom	2 2 3	1 2 1	27.34 27.32 27.33	8.06 8.06 8.07	29.50 29.53 29.56	87.30 88.80 87.80	6.1 6.2 6.1	3.0 2.9 3.1	2.8 2.8 2.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10B(N2)	17:50:54 18:01:38	12.3 1.0	Bottom Surface	3	2	27.38 27.53	8.06 8.10	29.53 28.99	87.50 91.30	6.1 6.3	3.1 2.5	3.5 3.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	18:00:55 18:01:26 18:00:42	1.0 3.7 3.7	Surface Middle Middle	1 2 2	2 1 2	27.52 27.34 27.38	8.09 8.06 8.07	28.99 29.46 29.47	91.20 88.90 88.70	6.3 6.2 6.2	2.6 2.7 2.7	2.6 4.6 3.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	18:00:42 18:01:06 18:00:32	6.4 6.4	Bottom Bottom	3 3	1 2	27.42 27.41	8.07 8.07	29.47 29.43 29.50	88.60 88.20	6.1 6.1	3.0 3.0	2.6 4.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	15:55:53 15:56:28	1.0 1.0	Surface Surface	1	1 2	27.29 27.32	8.09 8.09	28.66 28.72	94.70 93.90	6.6 6.6	2.4 2.4	3.0 4.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	15:55:41 15:56:16 15:56:08	3.3 3.3 5.6	Middle Middle Bottom	2 2 3	1 2 1	27.15 27.16 27.17	8.05 8.06 8.06	29.16 29.19 29.23	91.70 91.10 90.80	6.4 6.4 6.4	3.3 3.2 3.5	2.8 2.5 3.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS(Mf)5	15:55:30 17:36:33	5.6 1.0	Bottom Surface	3	2	27.15 27.48	8.05 8.13	29.26 28.80	91.20 90.80	6.4 6.4	3.5 2.9	3.1 4.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08	Mid-Flood Mid-Flood	Fine Fine	CS(Mf)5 CS(Mf)5	17:37:13 17:36:59	1.0 6.4	Surface Middle	1 2	1	27.49 27.27	8.13 8.07	28.81 29.38	90.90 88.00	6.4	2.8 3.2	3.1 2.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-08 2024-11-08 2024-11-08	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	17:36:17 17:36:48 17:36:07	6.4 11.8 11.8	Middle Bottom Bottom	3 3	2 1 2	27.25 27.26 27.23	8.07 8.08 8.07	29.41 29.27 29.45	88.20 87.10 86.80	6.2 6.1 6.1	3.3 3.5 3.5	3.3 1.8 2.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-11 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	08:57:47 08:56:55	1.0 1.0	Surface Surface	1 1	1 2	27.04 27.03	8.04 8.05	29.64 29.65	86.20 87.00	6.0	2.9 2.9	5.5 4.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-11 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	08:57:27 08:56:37	4.4 4.4	Middle Middle	2 2	2	26.72 26.71	8.01 8.01	30.27 30.31	82.60 82.70	5.8 5.8	3.4 3.5	4.3 3.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-11 2024-11-11 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	ISS ISS IS(Mf)6	08:57:12 08:56:20 08:47:03	7.7 7.7 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.71 26.68 27.03	8.01 8.01 8.04	30.43 30.51 29.62	83.20 83.30 89.50	5.8 5.8 6.2	3.6 3.6 2.9	3.7 5.1 3.5
HKLR HY/2011/03	2024-11-11	Mid-Ebb	Fine	IS(Mf)6	08:46:45	1.0	Surface	1	2	27.00	8.04	29.66	89.20	6.2	3.0	4.3

Project Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)6 IS(Mf)6 IS7	08:46:35 08:46:52 08:37:26	2.2 2.2 1.0	Bottom Bottom Surface	3 3 1	2	26.98 26.98 27.04	8.03 8.03 8.04	29.76 29.72 29.61	88.80 89.00 89.20	6.2 6.2	3.1 3.3 3.1	4.0 3.8 4.4
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	IS7	08:37:07 08:37:16	1.0 2.2	Surface Bottom	1 3	2	27.00 27.00	8.04 8.04	29.66 29.71	88.50 88.50	6.1 6.1	3.2 3.5	5.8 3.2
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS7 IS8(N) IS8(N)	08:36:59 08:02:54 08:02:25	2.2 1.0 1.0	Surface Surface	3 1 1	2 1 2	26.96 27.01 26.97	8.03 8.04 8.04	29.74 29.62 29.66	88.40 88.00 87.10	6.1 6.1 6.1	3.5 3.0 3.2	3.6 4.2 3.6
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N)	08:02:25 08:02:35 08:02:14	3.0 3.0	Bottom Bottom	3 3	1 2	26.88 26.83	8.04 8.03 8.02	29.99 30.10	87.10 87.00 86.20	6.1	3.4 3.5	6.6 5.1
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	08:28:31 08:28:12	1.0 1.0	Surface Surface	1 1	1 2	27.06 27.03	8.04 8.04	29.61 29.63	89.00 88.20	6.2 6.1	2.9 3.0	4.6 6.0
HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	08:28:19	2.5	Bottom	3	2	26.99 26.93	8.03	29.78 29.85	88.30 87.40 90.00	6.1	3.4	4.8 3.1
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	08:16:12 08:17:00 08:16:41	1.0 1.0 5.3	Surface Surface Middle	1 1 2	2	27.17 27.17 26.91	8.04 8.04 8.01	28.79 28.81 29.67	89.90 85.40	6.2 6.2 5.9	2.7 2.8 3.1	4.0 4.6 4.1
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	08:15:53 08:15:41	5.3 9.6	Middle Bottom	2 3	2	26.88 26.82	8.01 8.00	29.72 29.90	86.50 85.10	6.0 5.9	3.1 3.3	5.3 6.9
HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) SR3(N)	08:16:29 09:12:52	9.6	Bottom Surface	3	1	26.92 27.04	8.01 8.04	29.70 29.69	84.50 87.80	5.8 6.1	3.4 2.8	5.0 4.9
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR3(N) SR3(N) SR3(N)	09:13:10 09:12:59 09:12:40	1.0 2.3 2.3	Surface Bottom Bottom	3 3	1 2	27.06 27.02 26.95	8.04 8.04 8.03	29.67 29.73 29.80	88.60 88.00 87.20	6.2 6.1 6.1	2.7 3.0 3.1	6.1 5.1 5.7
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR4(N3)	08:16:29 08:16:06	1.0	Surface Surface	1	1 2	27.01 26.97	8.04 8.04	29.63 29.66	87.60 87.50	6.1 6.1	2.9 2.9	4.5 4.3
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine Fine	SR4(N3) SR4(N3)	08:16:17 08:15:54 08:27:17	3.1	Bottom Bottom	3	2	26.84 26.83 27.09	8.02 8.02 8.03	30.09 30.06 29.01	87.00 87.00 87.20	6.1 6.0 6.0	3.1 3.0 2.9	4.9 5.7 4.0
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N) SR5(N)	08:26:27 08:26:10	1.0 1.0 4.7	Surface Surface Middle	1 1 2	2	27.15 26.94	8.04 8.01	28.89 29.58	88.20 85.50	6.1 5.9	3.0 3.2	4.7
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	08:27:03 08:25:59	4.7 8.4	Middle Bottom	2 3	2	26.95 26.93	8.01 8.01	29.56 29.62	85.20 85.80	5.9 5.9	3.3 3.2	4.3 4.9
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR10A(N) SR10A(N)	08:26:49 07:24:48 07:23:55	8.4 1.0 1.0	Surface Surface	3 1 1	2 1 2	26.94 27.19 27.23	8.00 8.03 8.03	29.61 28.94 28.85	85.60 87.20 88.40	5.9 6.0 6.1	3.3 2.6 2.7	3.3 3.1 2.7
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	07:24:27 07:23:33	7.0	Middle Middle	2 2	1 2	26.79 26.76	7.99 7.98	30.17 30.24	83.90 84.70	5.8	2.9	4.4
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	07:23:20 07:24:14	13.0 13.0	Bottom Bottom	3 3	1 2	26.76 26.78	7.98 7.99	30.38 30.35	82.30 82.10	5.7 5.7	3.2 3.3	4.0 5.0
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	07:13:13 07:13:56 07:13:40	1.0 1.0 3.8	Surface Surface Middle	1 1 2	1 2 1	27.22 27.18 26.95	8.02 8.02 8.00	28.85 28.96 29.67	90.10 90.00 87.70	6.2 6.2	2.7 2.8 3.1	3.8 4.4 5.5
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	07:13:40 07:12:56 07:12:40	3.8 3.8 6.5	Middle Middle Bottom	2 2 3	1 2 1	26.94 26.76	7.98 7.96	29.67 29.71 30.36	87.70 87.10 85.30	6.0 6.0 5.9	3.1 3.0 3.4	5.5 3.8 4.5
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) CS2(A)	07:13:24 09:15:35	6.5 1.0	Bottom Surface	3	2	26.99 27.05	7.99 8.03	30.15 28.94	85.10 89.50	5.9 6.2	3.3 3.2	4.5 4.1
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	09:14:59 09:15:23 09:14:45	1.0 3.5 3.5	Surface Middle Middle	2 2	2 1 2	27.08 26.93 26.92	8.04 8.02 8.02	28.89 29.43 29.42	89.70 88.30 88.00	6.2 6.1 6.1	3.0 3.2 3.2	5.0 4.0 5.0
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	09:14:45 09:14:31 09:15:14	5.9 5.9	Bottom Bottom	3 3	1 2	26.90 26.96	8.02 8.02	29.52 29.43	86.80 87.40	6.0 6.0	3.2 3.4	5.7 4.7
HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	07:23:08 07:24:17	1	Surface Surface	1 1	1 2	26.96 27.02	8.03 8.04	29.59 29.58	88.60 89.00	6.2 6.2	2.8 2.7	5.4 4.1
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	07:22:42 07:23:52 07:22:30	6.3 6.3 11.6	Middle Middle Bottom	2 2 3	1 2 1	26.55 26.58 26.54	8.00 8.01 8.00	30.79 30.80 30.88	85.00 85.30 80.60	5.9 5.9 5.6	3.0 3.0 3.2	4.6 4.1 4.2
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Ebb Mid-Flood	Fine Fine	CS(Mf)5	07:23:39 15:00:04	11.6	Bottom Surface	3	2	26.57 27.01	8.00	30.88 29.62	80.70 87.60	5.6 6.1	3.2 3.1	4.5 4.0
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	15:00:40 15:00:28	1 4.5	Surface Middle	1 2	2	26.97 26.80	8.03 8.02	29.64 30.04	86.60 84.80	6.1 5.9	3.1 3.5	4.1 5.8
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	ISS ISS	14:59:52 15:00:19 14:59:41	4.5 7.9 7.9	Middle Bottom Bottom	3 3	1 2	26.80 26.83 26.80	8.01 8.01 8.02	30.04 30.17 30.24	85.40 85.10 86.00	6.0 6.0	3.5 3.6 3.6	4.9 4.9 4.2
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS(Mf)6	15:10:32 15:10:14	1.0	Surface Surface	1 1	1 2	27.05 27.01	8.04 8.05	29.57 29.54	90.10 89.10	6.3	3.1 3.2	4.8 5.9
HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS(Mf)6	15:10:23 15:10:06	2.2	Bottom Bottom	3	1 2	27.03 26.99	8.04 8.04	29.59 29.65	89.30 88.50	6.2 6.2	3.4 3.5	6.6 4.8
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS7 IS7 IS7	15:19:16 15:18:57 15:19:05	1.0 1.0 2.3	Surface Surface Bottom	1 1 3	1 2 1	27.06 27.04 27.03	8.05 8.05 8.04	29.52 29.55 29.57	90.90 90.60 90.50	6.3 6.3	3.0 3.0 3.2	5.6 4.4 5.6
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	IS7 IS8(N)	15:18:49 15:52:38	2.3	Bottom Surface	3 1	2	27.03 27.08	8.05 8.05	29.55 29.55	90.20 89.40	6.3	3.2	3.8 4.8
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	IS8(N)	15:52:19 15:52:29	2.9	Surface Bottom	3	1	27.06 27.06	8.04 8.04	29.57 29.62	89.40 89.00	6.2	2.8	3.5 4.8
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS8(N) IS(Mf)9 IS(Mf)9	15:52:10 15:29:09 15:29:43	2.9 1.0 1.0	Surface Surface	3 1 1	1 2	27.03 27.03 27.07	8.03 8.05 8.05	29.66 29.60 29.58	88.80 89.80 90.40	6.2 6.3 6.3	3.0 3.0 2.9	5.0 3.9 4.0
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)9 IS(Mf)9	15:29:22 15:29:00	2.6 2.6	Bottom Bottom	3	1 2	27.04 27.03	8.05 8.05	29.63 29.66	89.70 89.70	6.3 6.3	3.3 3.1	4.7 5.5
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	16:00:50 15:59:17 15:58:58	1.0 1.0 5.5	Surface Surface Middle	1 1 2	1 2 1	27.16 27.22 27.06	8.03 8.03 8.00	28.93 28.83 29.27	88.90 89.80 87.00	6.1 6.2 6.0	2.9 2.9 3.1	4.3 3.0 3.8
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	16:00:34 16:00:20	5.5 9.9	Middle Bottom	2 3	2	26.99 26.91	8.00 8.00	29.59 29.73	86.50 86.30	6.0	2.9 3.4	3.8 5.2
HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	IS10(N) SR3(N)	15:58:45 14:47:16	9.9 1.0	Bottom Surface	3 1	2 1	27.07 27.09	8.00 8.05	29.25 29.55	87.00 90.80	6.0 6.3	3.3 3.1	4.3 4.4
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine Fine	SR3(N) SR3(N) SR3(N)	14:46:54 14:47:04 14:46:44	1.0 2.3 2.3	Surface Bottom Bottom	3 3	2 1 2	27.06 27.02 27.02	8.04 8.04 8.04	29.53 29.55 29.58	89.90 89.30 89.10	6.3 6.2 6.2	3.1 3.1 3.2	4.3 4.4 4.4
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR4(N3)	15:40:29 15:40:10	1.0	Surface Surface	1 1	1 2	27.04 27.02	8.05 8.04	29.54 29.59	89.50 89.40	6.2	2.7 2.8	3.5 4.9
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR4(N3)	15:40:20 15:40:01	2.9 2.9	Bottom Bottom	3	2	27.03 26.93	8.03 8.03	29.60 29.70	89.20 89.10	6.2 6.2	2.9 2.9	4.2 3.3
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	15:51:08 15:50:26 15:50:10	1.0 1.0 4.8	Surface Surface Middle	1 1 2	2	27.19 27.17 27.04	8.02 8.03 8.00	28.79 28.78 29.22	90.00 88.90 87.00	6.2 6.1 6.0	2.8 2.9 3.0	3.6 4.6 5.1
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N)	15:50:54 15:50:43	4.8 8.5	Middle Bottom	2 3	2	27.05 27.06	8.00 8.00	29.22 29.27	87.50 87.70	6.0 6.1	2.9 3.5	6.3 4.6
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR10A(N)	15:50:00 16:48:56	8.5 1.0	Bottom Surface	3 1	1	27.05 27.22	8.00 8.03	29.21 29.12	87.10 88.60	6.0 6.1	3.6 2.7	5.5 5.4
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	16:50:01 16:48:31 16:49:32	1.0 6.9 6.9	Surface Middle Middle	2 2	2 1 2	27.19 26.64 26.69	8.03 8.00 8.00	29.20 30.96 30.83	88.20 83.80 82.50	6.1 5.8 5.7	2.7 2.8 2.8	6.6 4.6 3.8
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	16:49:15 16:48:19	12.7 12.7	Bottom Bottom	3 3	1 2	26.68 26.66	8.00 8.00	31.09 31.20	83.60 84.50	5.8 5.8	3.1 3.0	6.9 5.7
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	16:59:34 16:58:45 16:58:29	1.0 1.0 3.7	Surface Surface Middle	1 1 2	1 2 1	27.18 27.14 26.88	8.03 8.03 8.01	29.18 29.32 30.21	88.10 87.70 85.00	6.1 6.0 5.9	2.5 2.6 2.7	4.5 4.0 6.3
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	16:58:29 16:59:17 16:58:17	3.7 3.7 6.4	Middle Middle Bottom	2 2 3	1 2 1	26.88 26.89 26.82	8.01 8.00 8.01	30.21 30.10 30.56	85.00 85.40 85.20	5.9 5.9 5.9	2.7 2.7 3.1	5.1 5.6
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) CS2(A)	16:59:00 14:59:07	6.4 1.0	Bottom Surface	3	2	26.91 27.08	8.01 8.02	30.33 28.88	85.60 91.00	5.9 6.3	3.0 2.7	4.6 6.0
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	14:59:46 14:58:55 14:59:34	1.0 3.5 3.5	Surface Middle Middle	2 2	2 1 2	27.12 26.95 26.96	8.03 8.00 8.00	28.89 29.35 29.37	90.40 89.10 88.30	6.3 6.2 6.1	2.6 3.3 3.2	4.7 5.1 5.2
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	14:59:34 14:59:24 14:58:43	6.0	Bottom Bottom	3 3	1 2	26.98 26.96	8.00 8.00	29.37 29.39 29.41	87.90 88.30	6.1 6.1	3.7 3.6	4.2 5.2
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11 3 2024-11-11	Mid-Flood Mid-Flood	Fine Fine	CS(Mf)5 CS(Mf)5	16:33:18 16:34:04	1.0 1.0	Surface Surface	1 1	1 2	27.05 27.06	8.04 8.05	29.58 29.59	86.40 86.50	6.0	2.8 2.8	4.0 4.3
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	16:33:46 16:33:00 16:33:36	6.3 6.3 11.5	Middle Middle Bottom	2 2 3	1 2 1	26.77 26.77 26.78	8.00 8.00 8.01	30.21 30.20 30.14	84.10 84.40 83.10	5.9 5.9 5.8	3.0 3.0 3.3	4.7 4.6 5.0
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-11	Mid-Flood Mid-Flood Mid-Ebb	Fine Fine Fine	CS(Mf)5 CS(Mf)5 IS5	16:33:36 16:32:51 10:54:52	11.5 11.5 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.78 26.76 26.97	8.01 8.00 8.09	30.14 30.23 29.64	83.10 83.10 92.30	5.8 5.8 6.3	3.3 3.2 3.0	5.0 4.4 6.2
HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-13 3 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	IS5 IS5	10:53:56 10:53:41	1.0 4.3	Surface Middle	1 2	2	26.98 26.63	8.10 8.06	29.64 30.19	94.10 89.50	6.4 6.1	2.9 3.3	5.3 3.4
HKLR HY/2011/0	3 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	10:54:37	4.3 7.6	Middle Bottom	3	1	26.62 26.56	8.05 8.05	30.18 30.31	89.50 89.20	6.1 6.1	3.3 3.5	4.0 4.6
HKLR HY/2011/0 HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS5 IS(Mf)6 IS(Mf)6	10:53:26 10:44:33 10:44:15	7.6 1.0 1.0	Surface Surface	3 1 1	2 1 2	26.61 27.04 27.01	8.06 8.10 8.10	30.33 29.62 29.65	89.60 96.50 96.30	6.1 6.6 6.6	3.5 2.8 2.8	6.2 3.5 5.3
HKLR HY/2011/0	3 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS(Mf)6	10:44:01 10:44:23	2.2	Bottom Bottom	3 3	1 2	26.96 26.97	8.09 8.09	29.79 29.75	96.00 96.10	6.6	3.0 3.2	4.2 4.1
		· -		_	_	_	_	_	_		_	_	_	_	_	_

Project Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS7 IS7 IS7	10:34:55 10:34:38 10:34:46	1.0 1.0 2.3	Surface Surface Bottom	1 1 3	1 2 1	27.05 27.00 26.99	8.10 8.10 8.10	29.61 29.67 29.74	96.10 95.60 95.60	6.6 6.5 6.5	2.8 2.9 3.3	3.9 3.5 5.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	IS7 IS8(N)	10:34:30 10:01:50	2.3	Bottom Surface	3	2	26.95 26.98	8.09 8.10	29.77 29.62	95.70 95.90	6.5	3.3 2.9	4.1 4.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N)	10:00:08 10:00:17	1.0 3.0	Surface Bottom	1 3	1	27.00 26.88	8.10 8.09	29.62 29.95	94.90 94.70	6.5 6.5	2.9 3.2	4.6 5.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS8(N) IS(Mf)9 IS(Mf)9	09:59:56 10:25:36 10:25:19	3.0 1.0 1.0	Surface Surface	3 1	2 1 2	26.84 27.06 27.03	8.09 8.10 8.10	30.02 29.60 29.62	93.40 95.80 95.20	6.4 6.5 6.5	3.2 2.7 2.9	4.4 5.6 4.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	10:25:26 10:25:08	2.5	Bottom Bottom	3 3	1 2	27.00 26.92	8.09 8.10	29.78 29.80	94.80 93.90	6.5	3.3 3.2	4.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	10:08:38 10:09:22	1.0	Surface Surface	1	1 2	27.00 27.04	8.11 8.11	29.13 29.11	95.20 95.20	6.5	2.7	5.9 4.5
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	10:09:04 10:08:21 10:08:10	5.4 5.4 9.7	Middle Middle Bottom	2 2 3	1 2 1	26.79 26.77 26.75	8.09 8.09 8.09	29.67 29.69 29.79	91.70 92.40 91.90	6.3 6.3	3.1 3.1 3.3	4.3 4.6 4.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) SR3(N)	10:08:54 11:07:23	9.7	Bottom Surface	3	2	26.81 27.00	8.09 8.09	29.67 29.67	91.60 93.70	6.3	3.3 3.1	3.4 3.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR3(N)	11:07:40 11:07:30	1.0 2.3	Surface Bottom	3	2	27.03 26.98	8.10 8.09	29.65 29.76	94.60 93.40	6.5	2.9 3.2	4.9 3.6
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR3(N) SR4(N3) SR4(N3)	11:07:13 10:12:53 10:12:31	2.3 1.0 1.0	Surface Surface	3 1 1	1 2	26.90 27.01 26.95	8.08 8.10 8.10	29.81 29.61 29.62	92.40 94.70 94.70	6.3 6.5 6.5	3.2 2.7 2.6	3.2 4.3 3.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR4(N3)	10:12:42 10:12:21	3.0 3.0	Bottom Bottom	3	1 2	26.86 26.83	8.08 8.09	29.98 30.00	94.10 94.50	6.4 6.5	2.9 2.9	4.1 3.1
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR5(N)	10:19:14 10:18:28 10:18:59	1.0 1.0 4.8	Surface Surface Middle	1	2	26.97 27.00 26.84	8.11 8.11 8.10	29.22 29.16 29.57	93.30 93.70 91.70	6.4 6.4	2.9 2.9 3.1	3.7 4.7 3.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N) SR5(N)	10:18:14 10:18:03	4.8 8.6	Middle Middle Bottom	2 2	2	26.82 26.81	8.10 8.10	29.59 29.63	91.70 91.90 92.30	6.3	3.1 3.2	4.8 4.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR10A(N)	10:18:48 09:19:26	8.6 1.0	Bottom Surface	3	2	26.82 27.10	8.09 8.11	29.62 29.26	92.10 93.20	6.3 6.4	3.3 2.5	5.4 4.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	09:18:37 09:19:07 09:18:18	1.0 6.8 6.8	Surface Middle Middle	2 2	2 1 2	27.13 26.78 26.77	8.10 8.08 8.07	29.21 30.00 30.04	93.30 90.30 90.70	6.4 6.2 6.2	2.6 2.8 2.8	5.0 5.0 5.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	09:18:05 09:18:55	12.6 12.6	Bottom Bottom	3 3	1 2	26.77 26.78	8.08 8.08	30.11 30.09	89.80 89.80	6.2 6.1	3.1 3.1	5.9 5.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	09:08:40 09:07:57	1.0 1.0	Surface Surface	1	1 2	27.12 27.15	8.10 8.09	29.26 29.20	96.40 96.70	6.6 6.6	2.6 2.6	4.4 3.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	09:07:38 09:08:24 09:07:24	3.8 3.8 6.6	Middle Middle Bottom	2 2 3	1 2 1	26.88 26.91 26.76	8.07 8.08 8.06	29.72 29.67 30.11	93.60 93.50 91.70	6.4 6.4 6.3	2.9 2.9 3.2	4.7 5.6 5.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) CS2(A)	09:08:09 11:07:55	6.6 1.0	Bottom Surface	3	2	26.91 26.94	8.08 8.11	29.96 29.19	91.50 94.40	6.3 6.5	3.1 3.1	4.2 4.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	11:07:10 11:07:43	1.0 3.4	Surface Middle	1 2	1	26.96 26.84	8.12 8.10	29.17 29.48	94.50 93.20	6.5 6.4	2.9 3.1	4.4 3.3
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	11:06:57 11:07:26 11:06:43	3.4 5.7 5.7	Middle Bottom Bottom	3 3	2 1 2	26.83 26.82 26.78	8.10 8.11 8.11	29.48 29.55 29.59	93.10 92.90 92.50	6.4 6.4	3.2 3.4 3.2	3.8 4.4 4.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	09:20:10 09:21:06	1	Surface Surface	1 1	1 2	26.95 27.00	8.08 8.09	29.69 29.66	94.00 94.60	6.4 6.4	2.6 2.5	4.2 3.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-13	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	09:20:46	6.3	Middle Middle	2	2	26.60 26.60	8.07 8.06	30.50 30.49	91.10 91.50	6.2	2.8	3.5 4.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-13 2024-11-13 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS(Mf)5 CS(Mf)5 IS5	09:19:38 09:20:33 11:27:24	11.5 11.5 1	Bottom Bottom Surface	3 3 1	1 2 1	26.60 26.58 27.05	8.06 8.06 8.04	30.56 30.57 28.13	88.50 88.70 94.90	6.1 6.1 6.5	3.1 3.1 2.2	3.7 3.8 2.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	11:27:59 11:27:46	1 4.3	Surface Middle	1 2	2	27.09 26.87	8.04 8.03	28.11 29.34	94.90 92.70	6.5 6.4	2.2 2.6	3.1 2.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	ISS ISS ISS	11:27:12 11:27:03 11:27:36	7.6 7.6	Middle Bottom Bottom	3 3	2 1 2	26.85 26.84 26.87	8.02 8.02 8.02	29.45 29.64 29.59	91.90 90.50 91.90	6.3 6.2 6.3	2.6 2.7 2.8	2.4 2.5 2.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS(Mf)6	11:36:54 11:36:37	1.0	Surface Surface	1 1	1 2	27.10 27.07	8.02 8.05 8.06	29.59 28.24 28.22	97.00 96.00	6.7 6.6	2.8 2.2 2.2	2.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS(Mf)6	11:36:45 11:36:27	2.2	Bottom Bottom	3	1 2	27.06 27.00	8.05 8.06	28.38 28.41	95.50 94.50	6.6 6.5	2.5 2.5	2.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS7 IS7 IS7	11:46:06 11:45:49 11:45:56	1.0 1.0 2.3	Surface Surface Bottom	1 1 3	2	27.10 27.07 27.05	8.05 8.05 8.05	28.22 28.24 28.34	96.70 96.40 96.20	6.7 6.7 6.6	2.0 2.2 2.3	2.5 2.1 2.4
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	IS7 IS8(N)	11:45:41 12:19:52	2.3	Bottom Surface	3 1	2	27.04 27.05	8.05 8.04	28.39 28.22	96.10 94.30	6.6	2.3	2.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N)	12:20:10	2.9	Surface Bottom	1 3 3	1	27.07 27.04	8.05 8.04	28.20 28.39	94.90 94.20	6.5	2.3	2.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS8(N) IS(Mf)9 IS(Mf)9	12:19:43 11:56:05 11:55:43	2.9 1.0 1.0	Surface Surface	1 1	2 1 2	26.93 27.13 27.12	8.03 8.05 8.05	28.55 28.22 28.22	93.60 96.80 96.30	6.5 6.7 6.6	2.6 2.0 2.0	2.4 2.7 2.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	11:55:53 11:55:34	2.5 2.5	Bottom Bottom	3	1 2	27.09 27.05	8.05 8.05	28.36 28.38	96.20 96.10	6.6 6.6	2.4 2.3	2.2 2.6
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	12:16:55 12:16:04 12:15:48	1.0 1.0 5.3	Surface Surface Middle	1 1 2	1 2 1	26.89 26.88 26.72	8.04 8.04 8.02	27.83 27.82 28.96	89.70 89.50 88.10	6.2 6.2 6.1	2.4 2.5 2.8	2.6 2.6 3.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	12:16:39 12:15:37	5.3 9.5	Middle Bottom	2 3	2	26.70 26.71	8.02 8.01	29.03 29.02	88.20 88.50	6.1 6.1	2.7	2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) SR3(N)	12:16:30 11:16:05	9.5	Bottom Surface	3	1	26.69 27.13	8.02 8.06	29.14 28.08	88.10 97.50	6.1	3.0 2.4	2.6
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR3(N) SR3(N) SR3(N)	11:15:47 11:15:54 11:15:36	1.0 2.3 2.3	Surface Bottom Bottom	3 3	1 2	27.12 27.10 27.08	8.06 8.05 8.06	28.06 28.13 28.18	96.50 96.00 95.10	6.7 6.6 6.5	2.3 2.4 2.6	2.3 2.0 2.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR4(N3)	12:09:24 12:09:08	1.0 1.0	Surface Surface	1 1	1 2	27.06 27.07	8.05 8.04	28.19 28.20	94.50 94.20	6.5 6.5	2.4 2.5	2.6 2.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR4(N3)	12:09:17	2.8	Bottom	3 3 1	2	27.03 26.94	8.03 8.03 8.04	28.39 28.44	93.90	6.5	2.7	2.5 2.5
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	12:07:23 12:06:44 12:07:11	1.0 1.0 4.6	Surface Surface Middle	1 1 2	1 2 1	26.89 26.86 26.73	8.04 8.04 8.02	27.75 27.83 28.77	90.30 90.00 88.60	6.3 6.3 6.1	2.5 2.5 2.8	2.9 2.6 2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	12:06:31 12:06:58	4.6 8.2	Middle Bottom	3	1	26.72 26.72	8.02 8.02	28.75 29.13	88.60 89.00	6.1 6.2	2.8 3.1	2.6 2.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR10A(N) SR10A(N)	12:06:20 13:08:09 13:07:20	8.2 1.0 1.0	Surface Surface	3 1 1	2 1 2	26.70 26.84 26.85	8.02 8.05 8.05	29.11 28.53 28.47	89.00 90.90 90.60	6.2 6.3 6.3	3.2 2.1 2.1	2.0 2.3 2.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	13:07:02 13:07:49	6.6 6.6	Middle Middle	2 2	1 2	26.59 26.61	8.03 8.03	29.81 29.77	88.40 87.80	6.1 6.0	2.3 2.3	2.8 2.3
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N) SR10B(N2)	13:06:50 13:07:37 13:18:29	12.2 12.2 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.60 26.63 26.84	8.04 8.03 8.04	29.93 29.84 28.59	88.80 88.40 90.10	6.1 6.1 6.2	2.8 2.7 2.0	1.9 1.9 2.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	13:18:29 13:19:07 13:18:16	1.0 1.0 3.7	Surface Surface Middle	1 1 2	2	26.84 26.85 26.70	8.04 8.04 8.03	28.59 28.58 29.31	90.10 90.20 88.80	6.2 6.2	2.0 2.0 2.1	2.5 2.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	13:18:54 13:18:05	3.7 6.3	Middle Bottom	2	2	26.70 26.68	8.03 8.03	29.28 29.61	88.80 89.00	6.1 6.1	2.2 2.6	2.6 2.5
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) CS2(A) CS2(A)	13:18:40 11:13:44 11:14:17	6.3 1.0 1.0	Surface Surface	3 1 1	2 1 2	26.70 26.81 26.83	8.03 8.05 8.05	29.52 27.84 27.84	89.10 93.50 93.40	6.1 6.5 6.5	2.6 2.2 2.1	2.6 2.5 2.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	11:14:17 11:14:05 11:13:33	3.4	Middle Middle	2 2	1 2	26.71 26.69	8.03 8.04	28.70 28.68	90.80 91.40	6.3	2.6 2.7	2.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	11:13:57 11:13:22	5.7 5.7	Bottom Bottom	3	1 2	26.71 26.68	8.03 8.04	28.87 28.89	90.90 90.80	6.3 6.3	3.0 2.9	2.7 2.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	13:00:59 13:01:40 13:01:25	1.0 1.0 6.3	Surface Surface Middle	1 1 2	1 2 1	27.01 27.01 26.57	8.05 8.05 7.99	28.20 28.25 29.93	91.00 91.40 87.30	6.3 6.3	2.0 1.9 2.2	2.2 2.6 2.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	13:00:44 13:01:15	6.3 11.5	Middle Bottom	2 3	2	26.57 26.52	8.00 7.99	29.92 29.86	87.30 85.50	6.0 5.9	2.1 2.5	2.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Ebb Mid-Flood	Fine Fine Fine	CS(Mf)5 IS5	13:00:33 06:47:53 06:47:04	11.5 1.0	Surface Surface	3 1 1	2 1 2	26.47 26.93	7.99 8.04	30.38 28.34	85.10 91.50	5.9 6.3	2.4	2.2 2.5 2.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	ISS ISS	06:47:04 06:46:51 06:47:39	1.0 4.3 4.3	Middle Middle	2 2	1 2	26.94 26.62 26.61	8.06 8.01 8.00	28.34 29.75 29.74	92.30 88.00 88.00	6.3 6.0 6.0	2.3 2.7 2.7	2.8 2.8 2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	06:47:19 06:46:39	7.5 7.5	Bottom Bottom	3 3	1 2	26.57 26.58	8.00 8.01	30.04 30.07	86.20 86.50	5.9 5.9	2.9 2.9	2.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)6 IS(Mf)6	06:37:25 06:37:39 06:37:14	1.0 1.0 2.2	Surface Surface	1 1 2	2	26.96 26.98 26.91	8.04 8.04 8.04	28.19 28.21 28.49	93.60 93.80 93.40	6.4 6.4 6.4	2.1 2.1 2.3	2.5 2.8 3.1
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)6 IS(Mf)6 IS7	06:37:14 06:37:31 06:27:41	2.2 2.2 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.93 26.94	8.04 8.04 8.04	28.49 28.44 28.22	93.40 93.50 93.00	6.4 6.4	2.3 2.4 2.1	3.1 2.9 3.4
HKLR HY/2011/03	2024-11-15	Mid-Flood	Fine	IS7	06:27:58	1.0	Surface	1	2	26.98	8.04	28.19	93.40	6.4	2.1	2.8

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 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS7 IS7 IS8(N)	06:27:48 06:27:33 05:54:42	2.3 2.3 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.93 26.90 26.93	8.04 8.03 8.04	28.42 28.45 28.09	92.90 93.20 92.60	6.4 6.4	2.5 2.5 2.2	3.0 2.8 2.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS8(N)	05:53:33 05:53:42	1.0	Surface Bottom	1 3	2	26.94 26.86	8.04 8.03	28.08 28.52	92.20 91.80	6.3	2.3 2.5	3.2 2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS(Mf)9	05:53:20 06:18:19	3.0 1.0	Bottom Surface	3 1	1	26.81 27.00	8.03 8.05	28.61 28.09	91.10 93.30	6.3 6.4	2.6 2.0	3.0 2.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS(Mf)9	06:18:03 06:18:10 06:17:52	1.0 2.5 2.5	Surface Bottom Bottom	3 3	2 1 2	26.98 26.95 26.89	8.05 8.04 8.05	28.09 28.41 28.45	92.90 92.50 91.90	6.4 6.3 6.3	2.1 2.5 2.4	3.1 3.1 3.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	06:06:21 06:07:04	1.0	Surface Surface	1 1	1 2	26.82 26.85	8.05 8.05	28.27 28.23	90.90 91.10	6.3	2.3	2.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	06:06:47 06:06:05	5.3 5.3	Middle Middle	2 2	2	26.65 26.65	8.03 8.03	29.61 29.60	88.20 88.30	6.1	2.5 2.5	3.1
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS10(N) IS10(N) SR3(N)	06:06:38 06:05:56 06:59:52	9.6 9.6 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.66 26.63 26.98	8.03 8.03 8.05	29.68 29.72 28.31	88.20 88.00 92.10	6.1 6.1 6.3	3.0 2.9 2.4	3.3 3.1 3.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	SR3(N) SR3(N)	07:00:09 07:00:00	1.0	Surface Bottom	1 3	2	27.00 26.96	8.05 8.05	28.29 28.48	92.90 91.90	6.4	2.3	3.0 3.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	SR3(N) SR4(N3)	06:59:42 06:04:44	2.3 1.0	Bottom Surface	3	1	26.89 26.95	8.04 8.03	28.54 28.08	91.10 91.60	6.3	2.6	3.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR4(N3) SR4(N3) SR4(N3)	06:04:24 06:04:34 06:04:14	1.0 2.9 2.9	Surface Bottom Bottom	3 3	1 2	26.90 26.85 26.82	8.03 8.01 8.02	28.07 28.51 28.53	91.80 91.10 91.70	6.3 6.3	2.0 2.2 2.3	3.2 3.0 3.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N)	06:16:30 06:15:46	1.0 1.0	Surface Surface	1	1 2	26.79 26.83	8.05 8.05	28.31 28.39	89.70 89.90	6.2 6.3	2.3 2.2	2.6 3.1
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine Fine	SR5(N) SR5(N)	06:16:15 06:15:33 06:15:21	4.7 4.7 8.3	Middle Middle	2 2	2	26.69 26.68 26.65	8.04 8.04 8.03	29.46 29.47 29.68	88.20 88.20 88.60	6.1 6.1 6.1	2.6 2.6 2.8	2.8 3.0 3.6
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N) SR10A(N)	06:15:21 06:16:04 05:14:55	8.3 1.0	Bottom Bottom Surface	3 3	2	26.67 26.89	8.03 8.05	29.67 28.42	88.70 89.70	6.1	3.0 1.9	2.9 2.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	05:14:10 05:13:53	1.0 6.6	Surface Middle	1 2	2	26.91 26.64	8.05 8.02	28.44 29.86	89.90 88.00	6.2 6.1	2.0 2.2	2.6 2.5
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	05:14:37 05:13:41 05:14:26	6.6 12.2 12.2	Middle Bottom Bottom	3 3	2 1 2	26.64 26.65 26.67	8.02 8.02 8.02	29.87 29.98 29.99	87.50 87.60 87.60	6.0 6.0	2.2 2.7 2.7	2.9 2.4 2.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2)	05:04:20 05:03:39	1.0	Surface Surface	1 1	1 2	26.89 26.90	8.04 8.03	28.37 28.37	93.80 94.20	6.5	2.0	2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2)	05:03:23 05:04:06	3.7 3.7	Middle Middle	2 2	1 2	26.72 26.74	8.02 8.03	29.47 29.41	90.80 90.50	6.3 6.2	2.3 2.3	2.6 2.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) SR10B(N2) CS2(A)	05:03:10 05:03:52 07:07:17	6.4 6.4 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.64 26.73 26.79	8.01 8.02 8.05	29.88 29.78 28.40	89.10 89.00 90.90	6.2 6.2 6.3	2.6 2.6 2.7	2.6 2.7 2.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	07:06:37 07:07:04	1.0 3.3	Surface Middle	1 2	2	26.79 26.69	8.06 8.04	28.28 29.20	90.90 89.90	6.3 6.2	2.6 2.8	3.0 2.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	07:06:25 07:06:51	3.3 5.6	Middle Bottom	3	1	26.69 26.68	8.04 8.04	29.22 29.46	89.80 89.70	6.2 6.2	2.9 3.1	2.6 2.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine Fine	CS2(A) CS(Mf)5 CS(Mf)5	07:06:12 05:12:58 05:13:49	5.6 1 1	Surface Surface	3 1 1	2 1 2	26.64 26.89 26.92	8.04 8.06 8.03	29.51 28.12 28.09	89.50 91.30 92.00	6.2 6.3 6.3	3.0 1.8 1.7	2.8 3.4 3.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15	Mid-Flood Mid-Flood	Fine Fine	CS(Mf)5 CS(Mf)5	05:13:31 05:12:40	6.2 6.2	Middle Middle	2 2	1 2	26.56 26.54	8.04 8.04	29.99 29.96	88.20 88.70	6.1 6.1	1.9 2.0	2.8 3.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-15 2024-11-15 2024-11-18	Mid-Flood Mid-Flood	Fine Fine	CS(Mf)5 CS(Mf)5	05:12:28	11.4	Bottom	3	2	26.53 26.52	8.03 8.04	30.36 30.33	85.60 85.50	5.9	2.3 2.3	2.3 2.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	ISS ISS ISS	13:33:37 13:34:14 13:33:59	1 1 4.3	Surface Surface Middle	1 1 2	1 2 1	26.63 26.68 26.46	8.08 8.08 8.06	28.69 28.68 29.44	94.90 95.30 93.60	6.6 6.6 6.5	2.5 2.6 3.0	6.4 5.7 6.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy Cloudy	ISS ISS	13:33:24 13:33:15	4.3 7.5	Middle Bottom	2	2	26.44 26.43	8.05 8.05	29.51 29.64	93.00 92.00	6.5 6.4	3.0 3.0	5.5 5.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	ISS IS(Mf)6 IS(Mf)6	13:33:50 13:43:45 13:43:26	7.5 1.0 1.0	Surface Surface	3 1 1	2 1 2	26.47 26.67 26.65	8.05 8.08 8.09	29.60 28.73 28.68	92.90 97.10 96.00	6.5 6.8 6.7	3.1 2.5 2.5	5.0 6.6 5.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	IS(Mf)6 IS(Mf)6	13:43:35 13:43:16	2.2	Bottom Bottom	3 3	1 2	26.63 26.57	8.08 8.09	28.86 28.86	95.40 93.90	6.6	2.9	5.4 4.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	IS7	13:52:58 13:52:40	1.0	Surface Surface	1	2	26.67 26.65	8.09 8.08	28.71 28.74	97.50 96.90	6.8	2.5 2.7	6.5 6.9
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	IS7 IS7 IS8(N)	13:52:48 13:52:32 14:27:48	2.3 2.3 1	Bottom Bottom Surface	3 3	2	26.62 26.60 26.63	8.09 8.09 8.07	28.85 28.89 28.68	96.70 96.40 95.00	6.7 6.7 6.6	2.8 2.8 2.7	5.0 6.5 4.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	IS8(N) IS8(N)	14:28:06 14:27:56	1 3.0	Surface Bottom	1 3	2	26.65 26.61	8.08 8.07	28.67 28.84	95.70 94.90	6.7 6.6	2.7 3.0	6.0 4.8
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	IS8(N) IS(Mf)9 IS(Mf)9	14:27:39 14:05:01 14:04:40	3.0 1.0	Bottom Surface	3	1	26.52 26.68	8.06 8.08	28.95 28.73	94.20 97.10	6.6	3.0 2.5	6.3 5.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	IS(Mf)9 IS(Mf)9	14:04:40 14:04:50 14:04:32	1.0 2.6 2.6	Surface Bottom Bottom	3 3	2 1 2	26.67 26.63 26.59	8.08 8.08 8.08	28.72 28.88 28.90	96.50 96.50 96.10	6.7 6.7	2.5 2.8 2.7	5.4 5.8 5.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	IS10(N) IS10(N)	14:35:21 14:36:07	1.0 1.0	Surface Surface	1 1	1 2	26.47 26.50	8.10 8.10	28.34 28.34	89.00 89.40	6.2 6.3	2.5 2.4	5.9 7.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	IS10(N) IS10(N) IS10(N)	14:35:52 14:35:08 14:34:57	5.3 5.3 9.5	Middle Middle Bottom	2 2 3	1 2 1	26.25 26.26 26.25	8.07 8.08 8.07	29.28 29.25 29.34	88.10 88.00 88.10	6.1 6.1 6.1	2.7 2.8 2.9	7.8 5.9 5.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	IS10(N) SR3(N)	14:35:43 13:21:58	9.5 1.0	Bottom Surface	3 1	2	26.25 26.70	8.07 8.09	29.39 28.65	87.60 97.70	6.1	3.0 2.8	5.2 6.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	SR3(N) SR3(N)	13:21:40 13:21:48	1.0 2.3	Surface Bottom	3	2	26.70 26.66	8.09 8.08	28.62 28.68	96.60 96.10	6.7 6.7	2.7 2.8	5.9 6.1
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	SR3(N) SR4(N3) SR4(N3)	13:21:30 14:17:47 14:17:31	2.3 1.0 1.0	Surface Surface	3 1 1	1 2	26.64 26.64 26.66	8.09 8.08 8.07	28.72 28.68 28.68	94.90 95.40 94.80	6.6 6.7 6.6	3.0 2.7 2.8	5.8 4.5 4.5
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy Cloudy	SR4(N3) SR4(N3)	14:17:40 14:17:21	2.8 2.8	Bottom Bottom	3	1 2	26.61 26.56	8.07 8.06	28.85 28.89	94.60 93.70	6.6 6.5	2.9 2.9	4.8 6.1
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	SR5(N) SR5(N)	14:26:28	1.0	Surface Surface	1	2	26.49 26.46	8.11 8.11	28.31 28.35	90.50	6.3	2.5 2.5	5.4 6.5
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	SR5(N) SR5(N) SR5(N)	14:26:15 14:25:35 14:26:03	4.6 4.6 8.1	Middle Middle Bottom	2 2 3	1 2 1	26.29 26.28 26.25	8.08 8.08	29.09 29.09 29.40	88.30 88.10 88.40	6.2 6.2 6.2	2.8 2.8 3.2	5.5 6.6 6.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	SR5(N) SR10A(N)	14:25:24 15:24:00	8.1 1.0	Bottom Surface	3	2	26.23 26.41	8.08 8.12	29.39 29.04	88.20 90.40	6.2 6.3	3.2 2.1	5.6 5.3
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	SR10A(N) SR10A(N) SR10A(N)	15:23:11 15:23:39 15:22:54	1.0 6.8 6.8	Surface Middle Middle	2 2	2 1 2	26.44 26.20 26.19	8.12 8.09 8.09	28.99 29.91 29.94	90.40 87.90 88.50	6.3 6.1 6.2	2.1 2.4 2.4	4.8 5.7 5.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy Cloudy	SR10A(N) SR10A(N)	15:22:42 15:23:27	12.5 12.5	Bottom Bottom	3	1 2	26.20 26.23	8.10 8.09	30.01 29.95	88.70 88.30	6.2 6.1	2.7 2.7	5.7 5.9
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy	SR10B(N2) SR10B(N2)	15:32:41 15:33:19	1.0	Surface Surface	1 1 2	2	26.43 26.44	8.11 8.11	29.08 29.08	89.40 89.60	6.2 6.2	2.0	2.4 4.8
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	SR10B(N2) SR10B(N2) SR10B(N2)	15:33:05 15:32:29 15:32:17	3.9 3.9 6.7	Middle Middle Bottom	2 2 3	1 2 1	26.29 26.29 26.25	8.09 8.09 8.09	29.56 29.58 29.82	88.30 88.40 88.10	6.1 6.1	2.2 2.2 2.5	6.1 5.4 5.3
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy Cloudy	SR10B(N2) CS2(A)	15:32:52 13:33:59	6.7 1.0	Bottom Surface	3	2	26.29 26.36	8.09 8.11	29.74 28.41	88.10 93.70	6.1 6.6	2.5 2.3	3.6 5.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	CS2(A) CS2(A)	13:34:32 13:34:20 13:33:48	1.0 3.3 3.3	Surface Middle Middle	2 2	2 1 2	26.38 26.25 26.22	8.12 8.09 8.10	28.40 29.06 29.04	93.50 91.10 91.30	6.6 6.4 6.4	2.2 2.7 2.8	5.5 6.4 5.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy Cloudy	CS2(A) CS2(A) CS2(A)	13:33:48 13:33:36 13:34:11	5.6 5.6	Bottom Bottom	3 3	1 2	26.22 26.20 26.22	8.10 8.09 8.09	29.04 29.28 29.26	90.80 91.20	6.4 6.4	3.0 3.0	5.2 5.3 5.0
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb	Cloudy Cloudy	CS(Mf)5 CS(Mf)5	15:11:54 15:12:35	1.0 1.0	Surface Surface	1	2	26.60 26.59	8.07 8.08	28.73 28.75	90.20 90.60	6.3 6.3	2.2 2.1	5.5 4.4
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Ebb Mid-Ebb Mid-Ebb	Cloudy Cloudy Cloudy	CS(Mf)5 CS(Mf)5 CS(Mf)5	15:12:20 15:11:39 15:12:10	6.3 6.3 11.5	Middle Middle Bottom	2 2 3	1 2 1	26.06 26.06 26.04	8.01 8.02 8.01	29.97 29.97 29.46	87.10 87.00 85.80	6.1 6.1 6.0	2.4 2.4 2.7	6.1 4.8 6.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Ebb Mid-Flood	Cloudy	CS(Mf)5 IS5	15:11:29 10:00:54	11.5 1.0	Bottom Surface	3	2	26.00 26.47	8.01 8.07	30.18 28.80	85.50 90.80	6.0 6.3	2.6 2.7	5.2 5.7
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Flood Mid-Flood	Cloudy Cloudy	ISS ISS	10:00:06 09:59:52	1.0 4.2	Surface Middle	2	1	26.49 26.16	8.09 8.03	28.80 29.71	91.70 88.10	6.4 6.1	2.6 2.9	4.0
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	ISS ISS	10:00:41 10:00:20 09:59:41	7.4 7.4	Middle Bottom Bottom	3 3	2 1 2	26.15 26.09 26.15	8.03 8.02 8.03	29.70 29.91 29.92	88.20 86.70 86.80	6.1 6.0 6.0	3.0 3.1 3.2	6.1 6.6 5.6
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Flood Mid-Flood	Cloudy	IS(Mf)6 IS(Mf)6	09:50:21 09:50:37	1.0 1.0	Surface Surface	1 1	1 2	26.53 26.55	8.08 8.08	28.74 28.74	94.20 94.50	6.5 6.5	2.5 2.5	5.3 5.2
HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18	Mid-Flood Mid-Flood	Cloudy Cloudy	IS(Mf)6 IS(Mf)6	09:50:04 09:50:27	2.2 2.2	Bottom	3 3	2	26.48 26.50	8.08 8.08	28.95 28.91	93.80 94.10	6.5 6.5	2.7 2.8	4.8 5.7
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	2024-11-18 2024-11-18 2024-11-18	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	IS7 IS7 IS7	09:39:42 09:39:59 09:39:50	1.0 1.0 2.2	Surface Surface Bottom	1 1 3	1 2 1	26.51 26.56 26.50	8.08 8.08 8.08	28.76 28.71 28.88	93.60 94.10 93.60	6.5 6.5	2.5 2.5 3.0	4.7 5.8 3.8
HKLR HY/2011/03	2024-11-18	Mid-Flood	Cloudy	IS7	09:39:34	2.2	Bottom	3	2	26.47	8.07	28.92	93.50	6.5	2.9	4.5

Mathematics	Project Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
15	HKLR HY/2011/0	3 2024-11-18 3 2024-11-18	Mid-Flood	Cloudy	IS8(N)	09:08:51	1.0	Surface				8.08	28.64 28.65	93.30	6.5	2.5	6.2
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	IS8(N)	09:07:48	3.0	Bottom	3	2	26.40	8.07	29.04	91.40	6.4	2.9	6.0
March	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	IS(Mf)9	09:31:14	1.0	Surface	1	2	26.58	8.08	28.66	93.90	6.5	2.3	5.0
Second	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	IS(Mf)9	09:30:48	2.5	Bottom			26.47	8.08		92.10	6.4		5.3
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	IS10(N)	09:09:27	5.3	Middle	2	1	26.23	8.08	29.62	88.50	6.2	2.6	4.7
March	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	IS10(N)	09:09:17	9.5	Bottom	3	1	26.25	8.08	29.70	88.30	6.2	3.0	5.5
March	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	SR3(N)	10:13:08	1.0	Surface			26.53	8.08	28.79	92.00	6.4	2.8	4.3
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	SR3(N)	10:12:58	2.3	Bottom	3	2	26.44	8.07	28.97	90.60	6.3	3.1	4.9
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	SR4(N3)	09:16:46	1.0	Surface	1	2	26.48	8.07	28.64	92.50	6.4	2.3	5.6
The color of the	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	SR4(N3)	09:16:36	2.8	Bottom	3	2	26.40	8.06	29.01	92.30	6.4	2.6	6.3
Columb	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	SR5(N)	09:18:22	1.0	Surface	-	2	26.40	8.11	28.79	89.30	6.3	2.4	5.4
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	SR5(N)	09:17:57	8.1	Bottom	3	1	26.22	8.08	29.73	88.10	6.1	2.9	7.9
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	SR10A(N)	08:21:30	1.0	Surface	1	1	26.47	8.10	28.89	88.80	6.2	1.9	6.0
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	SR10A(N)	08:20:29	6.5	Middle	2	1	26.25	8.07	29.86	87.60	6.1	2.2	6.3
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	SR10A(N)	08:21:03	12.0	Bottom	3	2	26.29	8.07	29.97	87.10	6.1 6.1	2.6	4.9
Section Control Cont	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	SR10B(N2)	08:11:22	1.0	Surface	1	2	26.49	8.09	28.86	93.10	6.5	2.0	5.4
Mar.	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	SR10B(N2)	08:11:48	3.6	Middle	2	2	26.33	8.08	29.51	89.40	6.2	2.3	5.9
Mathematics	HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-18 3 2024-11-18	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) CS2(A)	08:10:52 10:12:36	6.2 1.0	Bottom Surface	3	2	26.25 26.33	8.06 8.11	29.89 28.79	88.70 90.70	6.2 6.4	2.5 2.7	7.6 6.9
Mary	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	CS2(A)	10:12:23	3.3	Middle	2	1	26.24	8.10	29.32	89.80	6.3	2.8	6.4
Margin M	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Fine	CS2(A)	10:12:12	5.5	Bottom	3	1	26.22	8.10	29.56	89.50	6.3	3.2	7.2
100 100	HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-18 3 2024-11-18	Mid-Flood Mid-Flood	Cloudy	CS(Mf)5 CS(Mf)5	08:14:52 08:15:41	1	Surface Surface	1	1 2	26.47 26.49	8.07 8.06	28.73 28.68	91.20 91.80	6.3 6.3	2.2	6.5 7.0
March Marc	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	CS(Mf)5	08:14:36	6.2	Middle	2	2	26.14	8.05	29.89	89.10	6.2	2.4	6.0
Mode	HKLR HY/2011/0	3 2024-11-18	Mid-Flood	Cloudy	CS(Mf)5	08:15:11	11.3	Bottom	3	2	26.11	8.05	30.09	86.90	6.0	2.6	5.9
March Marc	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS5	04:24:49	1	Surface	1	2	26.42	8.08	27.83	94.00	6.6	2.7	4.1
Mar.	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS5	04:25:04	7.4	Bottom	3	1	26.06	8.01	29.52	86.20	6.1	3.2	4.7
March Marc	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS(Mf)6	04:14:59	1.0	Surface	1	1	26.46	8.07	27.80	96.10	6.7	2.6	2.9
Mail Million Mail	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS(Mf)6	04:14:26	2.2	Bottom	3	1	26.40	8.06	27.96	95.40	6.7	2.8	3.4
MAIN MATCH MAIN MAIN MAIN MAIN MAIN MAIN MAIN MAIN MATCH MAIN	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS7	04:04:32	1.0	Surface	-		26.43	8.07	27.81	95.20	6.7	2.6	4.0
March Marc	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS7	04:04:24	2.3	Bottom	3	2	26.39	8.06	27.94	95.10	6.6	2.9	3.8
March Marc	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS8(N)	03:32:06	1	Surface			26.42	8.06	27.74 28.02	95.80 94.50	6.7 6.6	2.6 2.8	3.6 4.3
MAIL MICROSHOP March M	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS(Mf)9	03:54:42	1.0	Surface		_	26.47	8.07	27.75	95.10	6.6	2.5	3.7
MAIL MYGRIGO 2001-130 MARCE March MARCE March 130 Sufface 1 2 2.60 140 2315 180 6 2 2 1 43 43 43 43 43 43 43	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS(Mf)9	03:54:50	2.5	Bottom			26.44	8.06	27.92	94.70	6.6	2.9	3.3
MAIL MOZING MASS	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS10(N)	03:44:08	1.0	Surface	1	1	26.47	8.09	28.15	88.40	6.2	2.1	4.9
MINISTER MARCH M	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS10(N)	03:43:53	5.4	Middle	2	2	26.23	8.06	29.23	85.70	6.0	3.1	3.9
MACK MYGNIG 2011-19 Mel-26 Reny 59(0) 616-14 1.0 50-face 1 2 36.6 6.07 72-66 94.50 6.6 2.7 3.4	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	IS10(N)	03:43:43	9.7	Bottom	3	2	26.20	8.06	29.47	85.10	5.9	3.6	3.4
MAIN MY/0011/03 2003-11-30 Mole Sep Rany SAR(N) 0.02-31 1.0 Surface 1 1 2.646 6.66 227.5 9.4.0 6.6 2.4 4.7	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy Rainy	SR3(N)	04:36:34	1.0	Surface	1	2	26.46	8.07	28.66 28.79	94.50 93.40	6.6	2.7	3.4 2.0
SEASE MY/2011/30 2004-13-09 Mode 20 Namy SEA(10) 03-02-09 2.8 Renton 3 2 26-33 1.65 2.66 5.36 5.	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	SR4(N3)	03:42:13	1.0	Surface			26.46	8.06	27.75	94.40	6.6	2.4	4.1
MMAR MY/2011/09 2004-11-30 Model-No Rainy 585(90) 0153-59 1.0 Serfece 1 1 26-67 8-99 28-23 87-10 6.1 2-2 3-2 3-2 MMAR MY/2011/09 2004-11-20 Model-No Rainy 585(90) 0153-79 4-6 Modele 2 1 2.5 5.6 5.6 2.5 1.3 8.5 5.5 3-2 2.4 3-5	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	SR4(N3)	03:42:03	2.8	Bottom	3	1 2	26.36	8.04	28.00	94.00	6.6	2.6	3.5
SECTION SECT	HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-20 3 2024-11-20	Mid-Ebb	Rainy	SR5(N)	03:52:59	1.0	Surface	1	1	26.47	8.09		87.10	6.1	2.2 2.3	3.2
HACE HY/2011/03 2029-11-20 Mod-EBb Rainy SSI(N) 03-31-7 8.1 enton 3 2 76.20 8.05 29-50 8.510 5.9 3.8 2.4	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	SR5(N)	03:52:47	4.6	Middle	2	2	26.26	8.06	29.13	85.40	6.0	3.1	2.4
HARD. HY/7011/03 2024-11-20 Mod-Ebb Rainy SELON(N) 02-54-06 1.0 Surface 1 2 76-54 8.08 28.32 87-10 6.1 2.2 3.2 HARR. HY/7011/03 2024-11-20 Mod-Ebb Rainy SELON(N) 02-54-05 6.6 Modele 2 1 26.21 8.05 29-58 8.5 0.5 2.1 2.3 HARR. HY/7011/03 2024-11-20 Mod-Ebb Rainy SELON(N) 02-54-32 6.6 Modele 2 2 2.6 2.0 8.05 29-58 8.5 0.5 2.0 3.4 HARR. HY/7011/03 2024-11-20 Mod-Ebb Rainy SELON(N) 02-54-32 1.2 Bottom 3 1 2.6 2.2 8.05 29-58 8.5 0.5 9.0 3.4 HARR. HY/7011/03 2024-11-20 Mod-Ebb Rainy SELON(N) 02-54-22 12-2 Bottom 3 1 2.6 2.0 8.05 29-58 8.5 0.5 0.5 3.1 3.1 HARR. HY/7011/03 2024-11-20 Mod-Ebb Rainy SELON(N) 02-54-22 12-2 Bottom 3 2 2.6 8.05 29-52 8.07 0.0 6.5 3.1 3.1 HARR. HY/7011/03 2024-11-20 Mod-Ebb Rainy SELON(N) 02-54-22 12-2 Bottom 3 2 2.6 8.05 29-52 8.07 0.0 6.5 3.1 3.1 HARR. HY/7011/03 2024-11-20 Mod-Ebb Rainy SELON(N) 02-54-26 3.7 Modele 2 1 2.6 2.0	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	SR5(N)	03:53:17	8.1	Bottom	3	2	26.20	8.05	29.50	85.10	5.9	3.8	2.4
HARE HY/2011/03 2024-11-20 Mid-Ebb Ramy S100N/N 0254-22 1.2 Bottom 3 1 26.22 8.05 29.82 84.70 5.9 3.1 2.7	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	SR10A(N)	02:53:50	6.6	Middle	2	1	26.21	8.05	29.58	85.20	5.9	2.1	2.3
MRIR HY/7011/03 2024-11-20 Mol-Ebb Rainy SR108(RVI) 024-52 1.0 Surface 1 2,555 8.08 28-33 90.40 6.3 1.8 3.4	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	SR10A(N)	02:53:38	12.2	Bottom	3	1	26.22	8.05	29.78	84.50	5.9	3.1	2.7
HHERE HY/2011/03 2024-13-20 Mid-Ebb Ramy SNL0N(N2) 22-46-25 3.7 Middle 2 2 26.33 8.06 29.13 87.80 6.1 2.3 2.4 HHERE HY/2011/03 2024-13-20 Mid-Ebb Ramy SNL0N(N2) 22-45-50 3.7 Middle 2 2 26.33 8.06 29.52 85.90 6.0 2.9 3.9 HHERE HY/2011/03 2024-13-20 Mid-Ebb Ramy SNL0N(N2) 22-44-14 6.3 Bottom 3 1 26.30 8.06 29.52 85.90 6.0 2.9 3.9 HHERE HY/2011/03 2024-13-20 Mid-Ebb Ramy SNL0N(N2) 22-44-14 6.3 Bottom 3 2 26.23 8.05 29.57 85.00 6.0 2.7 4.4 HHERE HY/2011/03 2024-13-20 Mid-Ebb Ramy SNL0N(N2) 22-44-14 6.3 Bottom 3 2 26.24 8.09 28.23 88.50 6.2 2.6 3.0 HHERE HY/2011/03 2024-13-20 Mid-Ebb Ramy SNL0N(N2) 22-44-64 6.3 Bottom 3 2 26.44 8.09 28.23 88.50 6.2 2.6 3.0 HHERE HY/2011/03 2024-13-20 Mid-Ebb Ramy SNL0N(N2) S	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	SR10B(N2)	02:45:22	1.0	Surface	1	1	26.55	8.08	28.33	90.40	6.3	1.8	3.4
HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy SRI0B(NZ) 0244-14 6.3 Bottom 3 2 26.23 8.05 29.57 86.20 6.0 2.77 4.4 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-62 1.0 Surface 1 2 26.41 8.09 28.23 88.50 6.2 2.4 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-69 3.3 Middle 2 1 26.28 8.07 28.26 8.730 6.1 2.9 3.2 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-69 3.3 Middle 2 1 26.28 8.07 28.26 8.730 6.1 2.9 3.2 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-53 3.3 Middle 2 2 26.26 8.08 28.81 87.30 6.1 3.0 3.3 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-53 5.6 Bottom 3 1 26.24 8.07 29.31 85.50 6.0 3.6 3.2 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-53 5.6 Bottom 3 2 26.16 8.06 29.37 86.50 6.0 3.6 2.7 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-23 5.6 Bottom 3 2 26.16 8.06 29.37 86.50 6.0 3.6 2.7 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-23 5.6 Bottom 3 2 26.16 8.06 29.37 86.50 6.0 3.6 2.7 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-23 5.6 Bottom 3 2 26.16 8.06 29.37 86.50 6.0 3.6 2.7 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-23 5.6 Bottom 3 2 26.13 8.00 27.78 94.00 6.6 2.3 4.2 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0448-23 5.6 Bottom 3 2 26.13 8.00 27.78 94.00 6.6 2.3 4.2 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0489-23 6.2 Middle 2 2 26.13 8.00 29.94 8.80 6.2 2.7 3.6 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0489-23 6.2 Middle 2 2 26.13 8.02 29.94 8.80 6.2 2.7 3.6 HKIR HY/DII/N3 2024-11-20 Mid-Ebb Rainy CSZ A 0489-23 0489	HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-20 3 2024-11-20	Mid-Ebb Mid-Ebb	Rainy Rainy	SR10B(N2) SR10B(N2)	02:44:26 02:45:07	3.7 3.7	Middle Middle	2 2	1 2	26.32 26.33	8.06 8.06	29.13 29.03	87.80 86.60	6.1 6.0	2.3 2.3	2.4 3.2
HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS2/A) 0445-86 1.0 Surface 1 2 26.41 8.09 28.23 88.50 6.2 2.4 3.3 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS2/A) 0445-89 3.3 Middle 2 1 56.28 8.07 28.86 87.30 6.1 2.9 3.2 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS2/A) 0445-59 5.6 Bottom 3 1 56.24 8.07 29.31 85.50 6.0 3.6 3.2 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS2/A) 0445-59 5.6 Bottom 3 1 56.24 8.07 29.31 85.50 6.0 3.6 3.2 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS2/A) 0445-59 5.6 Bottom 3 2 26.16 8.06 29.37 86.50 6.0 3.6 2.7 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS2/A) 0445-23 5.6 Bottom 3 2 26.16 8.06 29.37 86.50 6.0 3.6 2.7 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS2/A) 0445-23 5.6 Bottom 3 2 26.16 8.06 29.37 86.50 6.0 3.6 2.7 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0252-14 1.0 Surface 1 1 26.42 8.05 27.84 93.70 6.6 2.4 3.1 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0252-14 2.0 Surface 1 2 26.43 8.04 27.30 94.00 6.6 2.3 4.2 HKIR HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0252-14 2.0 Surface 1 2 26.43 8.04 27.30 94.00 6.6 2.3 4.2 HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0251-39 6.2 Middle 2 1 26.11 8.02 29.54 88.80 6.2 2.7 3.6 HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0251-23 11.4 Bottom 3 1 26.12 8.02 29.54 88.80 6.2 2.7 3.6 HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0251-23 11.4 Bottom 3 1 26.12 8.02 29.56 85.00 6.1 2.9 2.7 HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0251-23 11.4 Bottom 3 1 26.12 8.02 29.57 85.00 6.1 2.9 2.7 3.6 HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0251-23 11.4 Bottom 3 2 26.11 8.02 29.57 85.00 6.1 2.9 3.0 HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0251-23 11.4 Bottom 3 2 26.51 8.00 27.77 96.00 6.8 2.2 3.3 4.4 HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0251-23 11.4 Bottom 3 2 26.51 8.00 27.77 96.00 6.8 2.2 3.3 3.4 HKIR HY/D11/03 2024-11-20 Mid-Ebb Rainy CS/MS 0251-23 11.0 Surface 1 1 26.55 8.00 27.77 96.00 6.8 2.3 3.2 4.4 HKIR HY/D11/03 2024-11-20 Mid-Ebod Rainy SS 1459-86 4.2 Mid-Bod Rainy SS 1459-86 4.2 Mid-Bod R	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	SR10B(N2)	02:44:14	6.3	Bottom	3	2	26.23	8.05	29.57	86.20	6.0	2.7	4.4
HHURR HY/2011/03 2024-11-20 Mid-Ebb Rainy CSI/AI 0445-35 3.3 Middle 2 2 2 56.26 8.08 28.81 87.30 6.1 3.0 3.3 . Mid-Hurr HURR HY/2011/03 2024-11-20 Mid-Ebb Rainy CSI/AI 0445-59 5.6 80tom 3 1 56.24 8.07 29.31 86.50 6.0 3.6 3.2	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	CS2(A)	04:45:46	1.0	Surface	1	2	26.41	8.09	28.23	88.50	6.2	2.4	3.3
HHER HY/2011/03 2024-11-20 Mid-Fibb Rainy CS/M5 02:51-54 1.0 Surface 1 1 26-42 8.05 27.84 93.70 6.6 2.4 3.1 HER HY/2011/03 2024-11-20 Mid-Fibb Rainy CS/M5 02:52-42 1.0 Surface 1 2 26-58 8.04 27.80 94.00 6.6 2.3 4.2 4.1	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy Rainy	CS2(A)	04:45:59	5.6	Bottom	3	1	26.24	8.07	29.31	86.50	6.0	3.6	3.2
HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:52:24 6.2 Moddle 2 1 26:13 8.02 29:54 88:40 6.2 2.6 2.8 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:39 6.2 Moddle 2 2 26:13 8.02 29:54 88:40 6.2 2.7 3.6 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:39 14.8 Bottom 3 1 26:12 8.02 29:68 87:00 6.1 2.9 3.0 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:28 11.4 Bottom 3 1 26:12 8.02 29:68 87:00 6.1 2.9 3.0 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:21 11.4 Bottom 3 2 2 8:511 8.02 29:68 87:00 6.1 2.9 3.0 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:21 11.4 Bottom 3 2 2 8:511 8.02 29:68 87:00 6.1 2.9 3.0 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:21 11.4 Bottom 3 2 2 8:511 8.02 29:68 87:00 6.1 2.9 3.0 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:21 11.4 Bottom 3 2 2 8:51 8.06 27:77 86:10 6.8 2.7 3.6 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:21 11.4 Bottom 3 2 2 8:57 8.06 27:77 86:40 6.8 2.7 3.6 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:24 24 Modele 2 1 28:57 8.06 27:77 86:40 6.8 2.8 3.1 3.3 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:45:946 4.2 Modele 2 1 28:55 8.03 29:33 91:00 6.5 3.1 3.5 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:45:946 4.2 Modele 2 2 28:55 8.03 29:33 91:00 6.4 3.2 4.1 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:50:012 7.4 Bottom 3 1 26:34 8.03 29:33 91:00 6.4 3.2 4.1 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 02:51:50:012 7.4 Bottom 3 1 26:35 8.06 27:79 99:20 7.0 2.7 3.3 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 03:51:50:012 7.4 Bottom 3 1 26:55 8.06 27:79 99:20 7.0 2.7 3.3 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 03:51:50:012 7.4 Bottom 3 1 26:55 8.06 27:79 99:20 7.0 2.7 3.3 4.0 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 03:51:21 1.0 Surface 1 1 26:55 8.06 27:79 99:20 7.0 2.7 3.3 4.0 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 03:51:21 1.0 Surface 1 1 26:55 8.06 27:79 99:20 7.0 2.7 3.3 4.0 HRIR HYDDILVD 2024-11-20 Mod-Fbb Rainy CSIMIS 03:51:21 1.0 Surface 1 1 26:55 8.06 27:79 99:20 7.0 2.	HKLR HY/2011/0	3 2024-11-20	Mid-Ebb	Rainy	CS(Mf)5	02:51:54	1.0	Surface	1	1	26.42	8.05	27.84	93.70	6.6	2.4	3.1
HRIR HY/2011/03 2024-11-20 Mid-Ebb Rainy CS(Mf) 02:5128 11.4 Bottom 3 1 26:12 8.02 29:88 87:00 6.1 2.9 2.7 HRIR HY/2011/03 2024-11-20 Mid-Ebb Rainy CS(Mf) 02:5121 11.4 Bottom 3 2 26:11 8.02 29:67 86:50 6.1 2.9 3.0 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISS 15:00:37 1.0 Surface 1 1 2.65:3 8.06 27.78 96:10 6.8 2.7 3.6 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISS 15:00:37 1.0 Surface 1 1 2.2 26:57 8.06 27.77 96:40 6.8 2.2 8 3.2 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISS 15:00:22 4.2 Middle 2 1 1 26:36 8.04 29:19 97:20 6.5 3.1 3.3 4 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISS 15:00:22 4.2 Middle 2 1 1 26:36 8.04 29:19 97:20 6.5 3.1 3.3 4 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISS 15:00:22 4.2 Middle 2 2 1 26:37 8.06 27:77 98:10 6.5 3.1 3.5 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISS 15:00:22 4.2 Middle 2 2 2 26:37 8.09 29:33 91:00 6.4 3.2 4.1 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISS 15:00:12 7.4 Bottom 3 1 26:34 8.03 29:33 91:00 6.4 3.2 4.1 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISS 15:00:12 7.4 Bottom 3 1 26:57 8.06 27:79 99:20 7.0 2.7 3.3 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:42 1.0 Surface 1 1 1 26:57 8.06 27:79 99:20 7.0 2.7 3.3 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:42 1.0 Surface 1 1 26:57 8.06 27:79 99:20 7.0 2.7 3.3 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:32 2.1 Bottom 3 1 26:35 8.07 27:76 98:10 7.0 2.7 4.2 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:32 2.1 Bottom 3 1 26:35 8.07 27:78 99:00 6.8 3.2 3.2 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:32 2.1 Bottom 3 2 26:49 8.07 27:39 99:00 6.8 3.2 3.2 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:32 2.1 Bottom 3 2 26:49 8.07 27:39 99:00 6.8 3.2 3.2 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:32 2.1 Bottom 3 2 26:49 8.07 27:39 99:00 6.8 3.2 3.2 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:32 2.1 Bottom 3 2 26:55 8.07 27:39 99:00 6.8 3.2 3.2 HRIR HY/2011/03 2024-11-20 Mid-Ebotd Rainy ISM/H6 15:08:32 2.1 Bottom 3 2 26:55 8.07 27	HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-20 3 2024-11-20	Mid-Ebb Mid-Ebb	Rainy Rainy	CS(Mf)5 CS(Mf)5	02:52:24	6.2	Middle	2 2	1	26.12 26.13	8.03 8.02	29.54 29.54	88.40 88.80	6.2 6.2	2.6 2.7	2.8 3.6
HKIR HY/2011/03 2024-11-20 Mid-Flood Rainy ISS 15:00:37 1.0 Surface 1 2 26:57 8.06 27.77 96:40 6.8 2.8 3.2 Mid-Flood Rainy ISS 15:00:22 4.2 Middle 2 1 26:36 8.04 29:19 92:00 6:5 3.1 3.4 Middle 2 1 26:36 8.04 29:19 92:00 6:5 3.1 3.4 Middle 2 1 26:36 8.04 29:19 92:00 6:5 3.1 3.5 Middle 2 2 2 26:35 8.03 29:32 91.70 6:5 3.1 3.5 Middle 2 2 2 26:35 8.03 29:32 91.70 6:5 3.1 3.5 Middle 8.0 Mid-Flood Rainy ISS 14:59:48 4.2 Middle 2 2 2 26:35 8.03 29:32 91.70 6:5 3.1 3.5 Middle 8.0 Mid-Flood Rainy ISS 14:59:48 8.0 Middle 2 2 2 26:35 8.03 29:33 91.00 6:4 3.2 4.1 Middle 8.0 Mid-Flood Rainy ISS 15:00:12 7.4 Bettom 3 1 26:34 8.03 29:33 91.00 6:5 3.2 4.0 Mid-Flood Rainy ISS 15:00:12 7.4 Bettom 3 2 26:37 8.03 29:30 91:50 6:5 3.2 4.0 Mid-Flood Rainy ISS 15:00:12 7.4 Bettom 3 2 26:37 8.03 29:30 91:50 6:5 3.2 4.0 Mid-Flood Rainy ISS 15:00:12 7.4 Bettom 3 2 26:37 8.03 29:30 91:50 6:5 3.2 4.0 Mid-Flood Rainy ISS 15:00:12 7.4 Bettom 3 2 26:37 8.03 29:30 91:50 6:5 3.2 4.0 Mid-Flood Rainy ISS 15:00:12 7.4 Bettom 3 2 26:37 8.03 29:30 91:50 6:5 3.2 4.0 Mid-Flood Rainy ISS 15:00:12 7.4 Bettom 3 2 26:55 8.07 27:76 98:10 7.0 2.7 4.2 Mid-Flood Rainy ISS 15:00:12 7.1 Surface 1 2 26:55 8.07 27:76 98:10 7.0 2.7 4.2 Mid-Flood Rainy ISS 15:00:12 7.1 Bettom 3 1 26:53 8.06 27:38 97:40 6:9 3.1 3.2 Mid-Flood Rainy ISS 15:00:12 7.1 Bettom 3 2 26:49 8.07 27:39 96:00 6:8 3.2 3.2 Mid-Flood Rainy ISS 15:20:13 1.0 Surface 1 1 12:55 8.05 27:38 96:00 6:8 3.2 3.2 Mid-Flood Rainy ISS 15:20:13 1.0 Surface 1 1 12:55 8.05 27:38 98:00 7.0 2.6 3.3 Mid-Flood Rainy ISS 15:20:19 22 Bettom 3 1 26:53 8.07 27:31 98:00 7.0 2.7 3.0 Mid-Flood Rainy ISS 15:20:30 22 Bettom 3 1 26:55 8.07 27:31 98:00 7.0 2.7 3.0 Mid-Flood Rainy ISS 15:20:09 22 Bettom 3 1 26:55 8.07 27:32 98:00 6.9 2.9 3.8 Mid-Flood Rainy ISS 15:20:09 22 Bettom 3 2 26:51 8.07 27:32 98:00 6.8 2.9 3.8 Mid-Flood Rainy ISS 15:20:19 22 Bettom 3 2 26:51 8.07 27:39 98:00 6.8 2.9 3.8 Mid-Flood Rainy ISS 15:20:19 22 Bettom 3 2 26:51 8.07 27:39 98:00 6.8 2.9 3.8 Mid-Flood Rainy ISS 15:20:19 22 Bettom 3 2 26:51 8.07 27:3	HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-20 3 2024-11-20	Mid-Ebb Mid-Ebb	Rainy Rainy	CS(Mf)5 CS(Mf)5	02:51:28 02:52:12	11.4 11.4	Bottom Bottom	3	2	26.12 26.11	8.02 8.02	29.68 29.67	87.00 86.90	6.1 6.1	2.9 2.9	2.7 3.0
HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISS 1459-86 4.2 Middle 2 2 26.35 8.03 29.23 91.70 6.5 3.1 3.5 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISS 1459-86 4.2 Middle 2 2 26.37 8.03 29.33 91.00 6.6 3.2 4.1 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISS 15.001.2 7.4 Bottom 3 2 26.37 8.03 29.30 91.50 6.5 3.2 4.0 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-81 1 1 26.57 8.06 27.79 99.20 7.0 2.7 3.3 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-842 1.0 Surface 1 2 26.55 8.07 27.76 98.10 7.0 2.7 4.2 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-842 1.0 Surface 1 2 26.55 8.07 27.76 98.10 7.0 2.7 4.2 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-822 2.1 Bottom 3 2 26.49 8.07 27.39 96.00 6.8 3.2 3.2 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-822 2.1 Bottom 3 2 26.49 8.07 27.79 98.00 7.0 2.6 3.3 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-822 2.1 Bottom 3 2 26.59 8.07 27.79 98.00 7.0 2.6 3.3 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-822 2.1 Bottom 3 2 26.59 8.07 27.79 98.00 7.0 2.2 3.2 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-824 2.2 Bottom 3 1 26.55 8.07 27.78 98.10 7.0 2.7 3.0 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-824 2.2 Bottom 3 2 26.51 8.07 27.89 98.00 7.0 2.7 3.0 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-824 2.2 Bottom 3 2 26.51 8.07 27.89 98.00 6.8 2.8 3.1 HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy ISM/RE ISO-824 2.2 Bottom 3 2 26.51 8.07 27.99 98.00 6.8 2.8 3.1	HKLR HY/2011/0	3 2024-11-20	Mid-Flood	Rainy	IS5	15:00:37	1.0	Surface	1	2	26.57	8.06	27.77	96.40	6.8	2.8	3.2
HKRR HY/2011/03 2024-11-20 Mid-Flood Rainy SS 15:0012 7-4 Bottom 3 2 2:637 8.03 29:30 91:50 6:5 3.2 4.0	HKLR HY/2011/0	3 2024-11-20	Mid-Flood	Rainy	IS5	14:59:46	4.2	Middle	2	2	26.35	8.03	29.23	91.70	6.5	3.1	3.5
HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1508-51 2.1 Bottom 3 1 2653 8.06 27.89 97.40 6.9 3.1 3.2 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1508-52 2.1 Bottom 3 1 2653 8.06 27.89 96.00 6.8 3.2 3.2 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1508-32 2.1 Bottom 3 2 26.49 8.07 27.89 96.00 6.8 3.2 3.2 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1521.13 1.0 Surface 1 1 26.57 8.07 27.79 96.90 7.0 2.6 3.3 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1521.13 1.0 Surface 1 2 26.56 8.07 27.79 98.90 7.0 2.6 3.3 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1521.13 1.0 Surface 1 2 26.56 8.07 27.79 98.00 7.0 2.7 3.0 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1521.03 2.2 Bottom 3 1 26.53 8.07 27.78 98.10 7.0 2.9 3.2 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1520.47 2.2 Bottom 3 2 26.51 8.07 27.99 98.10 7.0 2.9 3.8 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1520.47 2.2 Bottom 3 2 26.51 8.07 27.99 98.30 6.9 2.9 3.8 HRIR HY/D11/03 2024-11-20 Mid-Flood Rainy ISIMPS 1520.47 2.2 Bottom 3 2 26.51 8.07 27.99 98.30 6.9 2.9 3.8 SIMPS 1520.47 2.2 Bottom 3 2 26.51 8.07 27.79 96.30 6.8 2.8 3.1 SIMPS 1520.47 2.2 Bottom 1 1 26.55 8.05 27.78 96.30 6.8 2.8 3.1	HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-20 3 2024-11-20	Mid-Flood	Rainy Rainy	IS(Mf)6	15:09:01	1.0	Surface	1	1	26.57	8.06	27.79	99.20	7.0	2.7	3.3
HKIR HY/2011/03 2024-11-20 Mid-Flood Rainy IS7 15:21:31 1.0 Surface 1 1 26:57 8.07 27.79 98:90 7.0 2.6 3.3 HKIR HY/2011/03 2024-11-20 Mid-Flood Rainy IS7 15:20:56 1.0 Surface 1 2 26:56 8.07 27.81 98:40 7.0 2.7 3.0 HKIR HY/2011/03 2024-11-20 Mid-Flood Rainy IS7 15:21:03 2.2 Bottom 3 1 26:53 8.07 27.89 98:10 7.0 2.9 3.2 HKIR HY/2011/03 2024-11-20 Mid-Flood Rainy IS7 15:20:47 2.2 Bottom 3 2 26:51 8.07 27.92 97:80 6.9 2.9 3.8 HKIR HY/2011/03 2024-11-20 Mid-Flood Rainy IS7 15:20:47 2.2 Bottom 3 2 26:51 8.07 27.92 97:80 6.9 2.9 3.8 HKIR HY/2011/03 2024-11-20 Mid-Flood Rainy IS7 15:20:47 2.2 Bottom 1 1 26:55 8.05 27.78 96:30 6.8 2.8 3.1	HKLR HY/2011/0	3 2024-11-20	Mid-Flood	Rainy	IS(Mf)6	15:08:51	2.1	Bottom	3	1	26.53	8.06	27.89	97.40	6.9	3.1	3.2
HKIR HY/2011/03 2024-11-20 Md-Flood Rainy IS7 IS21:03 2.2 Bottom 3 1 2653 8.07 27.99 98.10 7.0 2.9 3.2 HKIR HY/2011/03 2024-11-20 Md-Flood Rainy IS7 IS20:47 2.2 Bottom 3 2 2651 8.07 27.92 97.80 6.9 2.9 3.8 HKIR HY/2011/03 2024-11-20 Md-Flood Rainy IS7 IS20:47 2.2 Bottom 1 1 2655 8.05 27.78 96.30 6.8 2.8 3.1	HKLR HY/2011/0	3 2024-11-20	Mid-Flood	Rainy	IS7	15:21:13	1.0	Surface	1	1	26.57	8.07	27.79	98.90	7.0	2.6	3.3
	HKLR HY/2011/0 HKLR HY/2011/0	3 2024-11-20 3 2024-11-20	Mid-Flood Mid-Flood	Rainy Rainy	IS7 IS7	15:21:03 15:20:47	2.2	Bottom Bottom	3	1 2	26.53 26.51	8.07 8.07	27.89 27.92	98.10 97.80	7.0 6.9	2.9 2.9	3.2 3.8
				Rainy Rainy													

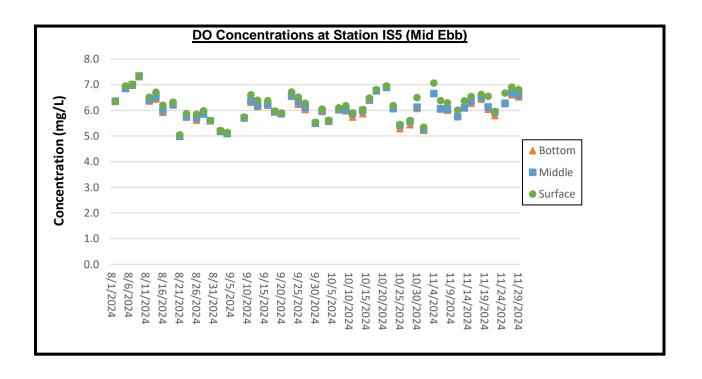
March	Project Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
Section Column	HKLR HY/2011/03	2024-11-20 2024-11-20	Mid-Flood	Rainy		15:53:01	2.8	Bottom				8.04	27.98	95.50	6.8	3.1	3.2
March Marc	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	IS(Mf)9	15:30:03	1.0	Surface	1	2	26.57	8.06	27.80	97.80	6.9	2.7	2.2
10	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	IS(Mf)9	15:29:54	2.5	Bottom	3	2	26.50	8.06	27.94	97.40	6.9	2.9	3.7
1.	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	IS10(N)	16:03:41	1.0	Surface			26.56	8.08	27.86	87.60	6.1	2.9	
Column	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	IS10(N)	16:03:16	9.7	Bottom	3	1	26.21	8.05	29.27	84.60	5.9	3.6	2.7
The column The	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR3(N)	14:47:11	1.0	Surface	1	1	26.58	8.06	28.61	99.00	7.0	2.9	2.9
March Marc	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR3(N)	14:47:02	2.2	Bottom	-	1	26.55	8.06	28.64	97.30	6.9	3.0	2.6
March	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR4(N3)	15:43:27	1.0	Surface	1	2	26.56	8.05	27.77	96.10	6.8	2.7	2.5
Column	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR4(N3)	15:43:17	2.7	Bottom	3	2	26.29	8.04	27.93	95.00	6.7	2.9	2.2
150 150	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR5(N)	15:52:56	1.0	Surface	1	2	26.51	8.09	27.87	87.90	6.1	2.7	3.5
March Marc	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR5(N)	15:52:43	4.6	Middle		2	26.24	8.06	28.88	85.30	5.9	3.3	2.8
March Marc	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR10A(N)	16:59:41	1.0	Surface	1	1	26.46	8.11	28.91	88.40	6.1	1.9	2.9
March Marc	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR10A(N)	17:00:08	6.8	Middle	2	1	26.22	8.08	29.66	86.50	6.0	2.5	2.1
March Marc	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR10A(N)	16:59:13	12.5	Bottom	3	1	26.18	8.09	29.87	87.00	6.0	2.9	2.4
Mathematics	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy Rainy	SR10B(N2)	17:10:31	1.0	Surface	1	2	26.47	8.09	28.96	88.60	6.1	1.9	3.4
March Marc	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR10B(N2)	17:09:40	3.8	Middle	2	2	26.33	8.08	29.33	87.30	6.0	2.2	3.0
Margin M	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	SR10B(N2)	17:10:04	6.5	Bottom	3	2	26.31	8.07	29.51	87.10	6.0	2.9	2.4
Mary	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-20 2024-11-20	Mid-Flood Mid-Flood	Rainy Rainy	CS2(A) CS2(A)	14:51:31 14:51:19	1.0 3.4	Surface Middle	1 2	2	26.43 26.25	8.11 8.08	27.94 28.77	91.60 89.30	6.4 6.2	1.9 3.2	2.5 3.3
Mar.	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	CS2(A)	14:50:36	5.7	Bottom	3	1	26.19	8.07	29.10	88.50	6.2	3.9	3.2
Mar.	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	CS(Mf)5	16:34:16	1	Surface	1	1	26.56	8.06	27.90	92.00	6.5	2.3	3.1
Mary	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-20 2024-11-20	Mid-Flood Mid-Flood	Rainy Rainy	CS(Mf)5 CS(Mf)5	16:34:41 16:34:00	6.2 6.2	Middle Middle	2 2	1 2	26.09 26.09	7.99 8.00	29.72 29.73	86.70 86.60	6.1 6.1	2.6 2.6	3.5
Section Sect	HKLR HY/2011/03	2024-11-20	Mid-Flood	Rainy	CS(Mf)5	16:33:50	11.4	Bottom	3	2	26.06	8.00	29.85	85.50	6.0	2.7	2.8
March Marc	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS5	05:41:20	1	Surface	1	2	26.79	8.03	27.89	83.10	6.0	3.2	4.1
March Marc	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS5	05:40:58	4.3	Middle	2	2	26.59	8.02	28.16	82.10	5.9	3.5	3.7
MAIN	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS(Mf)6	05:28:28	1.0	Surface	1	1	26.76	8.03	27.68	86.70	6.2	3.2	4.0
The Property Pro	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS(Mf)6	05:28:15	2.0	Bottom	3	1	26.76	8.03	27.67	86.50	6.2	3.2	3.9
March Marc	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS7	05:18:28	1.0	Surface	1	1	26.56	7.98	27.81	86.60	6.2	3.1	4.3
Section Control Cont	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS7	05:18:38	2	Bottom			26.55	7.97	27.69	86.10	6.2	3.1	4.0
MAIN MORE MAIN	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS8(N)	04:46:57	1	Surface	1	2	26.76	8.03	27.68	86.60	6.2	3.4	5.0
Proc. Proc	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS8(N)	04:46:38	2.9	Bottom			26.69 26.82	8.02	27.67 27.68	86.70 87.10	6.2 6.2	3.3 3.2	4.2 4.6
MAIL MODILINE 2011-122 Mail DB Comby CORDON 544-51 12 Letter 1 2 26.75 11 24.85 22.8 64 24 19 11 24.85 24 24 25 24 25 24 25 25	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS(Mf)9	05:07:15	2.5	Bottom	3	_	26.74	8.02	27.67	86.60	6.2	3.4	5.7
MACE MYGNIGH 20011-22 Mat-100 Colony	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS10(N)	04:54:59	1.0	Surface	1		26.75	8.11	26.40	92.70	6.6	2.4	3.9
MAIL MOZISION 2004-11-22 Marketo Comby Signal 0.5556 1.0 Soften 1 1 2.456 1.0 27.97 Marketo 1.1 1.0 1.	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS10(N)	04:55:25	5.4	Middle	2	1	26.58	8.08	29.12	84.10	5.9	3.1	3.6
MINISTER MATERIAL	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	IS10(N)	04:54:32	9.8	Bottom	3	2	26.58	8.10	29.24	83.90	5.9	3.0	4.8
SERIE MY/2011/19 2021-13 Med 50 Chooly SERIE	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR3(N)	05:51:35	1.0	Surface	1	2	26.51	8.03	27.97	85.00	6.1	3.2	6.2
MINISTREENED 1985	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR3(N) SR4(N3)	05:51:09	2.0	Bottom	3	2	26.49	8.03	28.04 27.68	85.00 86.30	6.1	3.2	6.4 6.1
MARK MY/001103 2004-132 Matche Cooly S5091 S5004 S5091 S5004 S5091	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR4(N3)	04:56:14	2.6	Bottom			26.68	8.05	27.68	86.50	6.2	3.2	5.4
MINIX MY/2011/01 2024-11-22 Molf-the Choudy SSE(N) 60-11-81 4.6 Molfet 2 1 2.6.6.1 8.67 27.0.0 83.30 5.9 3.0 4.8 Molfet Molfe	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR5(N)	05:04:51	1.0	Surface	1	1 2	26.73	8.10	26.47	91.40	6.5	2.5	4.6
HRCR HY/7011/09 2020-11-22 Med-Eb Coudy SS(N) 05-01-27 8-2 8-20 8-10 3-2 2-2-5-9 8-27 5-25 8-15 5-9 3-1 5-1 MRCR HY/7011/09 2020-11-22 Med-Eb Coudy SR(N) 0-01-01-2 1-0 Surface 1 1 2-6-8 8-11 7-6-8 9-80 6-4 1-9 5-2 MRCR HY/7011/09 2020-11-2 Med-Eb Coudy SR(N) 0-01-2 1-0 Surface 1 2 2-2-2-2 8-2	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR5(N)	05:04:38	4.6	Middle	2	1	26.61	8.07	29.00	83.30	5.9 5.9	3.0 3.0	4.8 4.7
HARR HY/7011/03 2024-13-22 MeS-E8b Coopy SS10(N) 06/03-33 1.0 Surface 1 2 76.68 8.10 26.40 93-10 6.4 2.0 4.1 MRG HY/7011/03 2024-13-22 MeS-E8b Coopy SS10(N) 06/03-26 6.6 Misside 2 1 76.56 8.08 29.42 8.20 5.8 2.0 4.7 MeS-E8 MeS-E8 1.0 2.0 4.7 MeS-E8 1.0 2.0 4.7 MeS-E8 1.0 2.0 4.7 MeS-E8 4.0 4.7 MeS-E8	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR5(N)	05:04:27	8.2	Bottom	3	2	26.59	8.07	29.25	83.50	5.9	3.1	5.1
MIRCR MY/2011/03 2024-11-22 Mod-8 bib Cloudy SSEQUAN 0409-11 21.1 Bettom 3 1 26.58 8.08 29.42 82.40 5.8 2.0 4.7	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR10A(N)	04:03:39	1.0	Surface	1	2	26.82	8.10	26.40	91.10	6.4	2.0	4.1
HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-525 1.0 Surface 1 2 2 2.80 8.10 26.70 94.90 6.7 2.1 5.3 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-538 3.7 Moldel 2 1 26.65 8.08 29.15 65.70 6.0 2.2 6.2 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-538 3.7 Moldel 2 2 2 2.666 8.09 79.06 84.40 6.0 2.2 5.2 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-526 6.3 80tom 3 1 26.39 8.07 72.50 84.20 5.9 2.5 5.1 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-526 6.3 80tom 3 2 26.64 8.08 79.05 84.20 5.9 2.5 5.1 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-526 6.3 80tom 3 2 26.64 8.08 79.05 84.20 5.9 2.5 5.1 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-526 6.3 80tom 3 2 26.64 8.08 79.07 83.90 5.9 2.5 5.1 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-526 1.0 Surface 1 1 26.71 8.11 76.21 93.20 6.6 2.8 5.6 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-526 1.0 Surface 1 1 26.71 8.11 76.72 84.90 6.0 2.7 3.8 HRIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SR108(NZ) 035-526 3.1 03	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-22 2024-11-22	Mid-Ebb Mid-Ebb	Cloudy	SR10A(N) SR10A(N)	04:04:06 04:03:11	6.6 12.1	Middle Bottom	3	2	26.56 26.58	8.08 8.08	29.42 29.59	82.40 82.70	5.8 5.8	2.0 2.7	4.7 5.0
HAIR HY/2011/03 2024-11-22 Mol-Ebb Cloudy SEL08(N2) 0353-28 3.7 Molde 2 1 26.65 8.08 29.15 8.70 6.0 2.2 5.2	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR10B(N2)	03:54:35	1.0	Surface	1	1	26.82	8.10	26.70	94.90	6.7	2.1	5.3
HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy S1108N(2) 353:26 6.3 Bottom 3 1 26.39 8.07 29.50 84.20 5.9 2.5 5.1 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:548 1.0 Surface 1 1 26.71 8.11 26.21 93.20 6.6 2.8 5.5 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:548 1.0 Surface 1 1 26.71 8.11 26.21 93.20 6.6 2.7 5.8 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:56 3.3 Middle 2 1 26.60 8.10 28.82 85.30 6.0 3.0 4.8 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:56 5.6 Bottom 3 1 26.59 8.10 28.82 85.30 6.0 3.0 4.9 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:56 5.6 Bottom 3 1 26.59 8.10 25.19 83.90 5.9 3.0 6.3 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:56 5.6 Bottom 3 1 26.59 8.10 25.19 83.90 5.9 3.0 6.3 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:449 5.6 Bottom 3 2 26.54 8.10 25.19 83.90 5.9 3.1 6.2 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:64 5.6 Bottom 3 2 26.54 8.10 25.19 83.90 5.9 3.1 6.2 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2/A) 655:449 5.6 Bottom 3 2 26.54 8.10 25.19 83.90 5.9 3.1 6.2 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS4/Mf5 64.00101 1.0 Surface 1 1 26.78 8.05 27.88 83.50 6.0 3.4 5.4 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS4/Mf5 64.00101 1.0 Surface 1 2 26.77 8.02 27.88 83.50 6.0 3.4 5.9 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS4/Mf5 64.00101 1.0 Surface 1 2 26.77 8.03 26.07 8.11 24.00 5.9 3.4 5.9 HMUR. HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS4/Mf5 64.0010 65.99 65.95.32 1.1 26.67 8.05 7.99 8.00 27.88 8.00 6.1 3.3 4.5	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	SR10B(N2)	03:53:38	3.7	Middle	2	1	26.65	8.08	29.15	85.70	6.0	2.2	6.2
HRER HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2[A] 05:55-48 1.0 Surface 1 1 2 26:69 8.12 26:38 92.80 6.6 2.8 5.6 HRER HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2[A] 05:55:31 1.0 Surface 1 1 2 26:69 8.12 26:38 92.80 6.6 2.7 5.8 HRER HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2[A] 05:55:32 3.3 Middle 2 1 1 26:60 8.10 28:82 85:30 6.0 3.0 4.8 Mid-Ebb Cloudy CS2[A] 05:55:02 3.3 Middle 2 2 1 26:60 8.10 28:82 85:30 6.0 3.0 4.8 Mid-Ebb Cloudy CS2[A] 05:55:02 3.3 Middle 2 2 2 26:60 8.11 28:78 84:80 6.0 3.0 4.9 Mid-Ebb Cloudy CS2[A] 05:55:02 8.10 Mid-Ebb Cloudy CS2[A] 05:55:02 8.10 12:01 84:00 5.9 3.0 4.9 Mid-Ebb Cloudy CS2[A] 05:55:02 8.10 12:01 84:00 5.9 3.0 6.0 3.0 4.9 Mid-Ebb Cloudy CS2[A] 05:55:02 8.10 12:01 84:00 5.9 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 84:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.3 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.0 3.0 6.3 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.0 3.0 6.3 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.0 6.0 1.0 1.0 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.0 3.0 6.0 3.0 6.0 1.0 1.0 12:01 83:00 5.9 3.0 6.0 3.0 6.0 1.0 12:01 83:00 5.9 3.0 6.0 3.0	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-22 2024-11-22	Mid-Ebb Mid-Ebb	Cloudy	SR10B(N2) SR10B(N2)	03:53:26 03:54:10	6.3 6.3	Bottom Bottom	3	1 2	26.39 26.64	8.07 8.08	29.50 29.47	84.20 83.90	5.9 5.9	2.5 2.6	5.1 4.7
HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(A) 05:55:02 5.8 Bottom 3 1 26:59 8.10 29:15 88:00 6.0 3.0 4.9 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(A) 05:55:02 5.6 Bottom 3 1 26:59 8.10 29:15 88:00 5.9 3.0 6.3 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(A) 05:54:49 5.6 Bottom 3 2 26:54 8.10 29:15 88:30 5.9 3.1 6.2 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(A) 05:54:49 5.6 Bottom 3 2 26:54 8.10 29:15 88:30 5.9 3.1 6.2 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(MIS) 04:00:11 1.0 Surface 1 1 2.0 26:77 8.02 27:86 88:50 6.0 3.4 5.4 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(MIS) 04:00:10 1.0 Surface 1 2 26:77 8.02 27:86 88:50 6.0 3.4 5.4 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(MIS) 04:00:10 1.0 Surface 1 2 26:77 8.03 88:00 6.1 3.4 5.4 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(MIS) 04:00:10 1.0 Surface 1 2 26:77 8.03 88:00 8.0 3.4 5.4 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(MIS) 04:00:14 1.0 Surface 1 2 26:67 8.00 88:11 82:40 5.9 3.4 7.0 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(MIS) 04:00:14 1.0 Surface 1 1 1 26:67 8.02 82:11 82:40 5.9 3.4 7.0 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(MIS) 04:00:21 1.0 Bottom 3 1 26:65 7.99 88:11 82:40 5.9 3.4 7.0 HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CS2(MIS) 04:00:27 11.0 Bottom 3 2 26:55 7.99 88:11 82:40 5.9 3.5 7.2 HKIR HY/2011/03 2024-11-22 Mid-Hood Cloudy SS 16:20:56 1.0 Surface 1 1 26:65 8.00 82:41-12 Mid-Hood Cloudy SS 16:20:56 1.0 Surface 1 1 26:65 8.00 82:41-12 Mid-Hood Cloudy SS 16:20:56 1.0 Surface 1 1 26:65 8.00 82:41-12 Mid-Hood Cloudy SS 16:20:56 1.0 Surface 1 1 26:65 8.00 82:41-12 Mid-Hood Cloudy SS 16:20:56 1.0 Surface 1 1 26:65 8.00 82:41-12 Mid-Hood Cloudy SS 16:20:56 1.0 Surface 1 1 26:65 8.00 82:41-12 Mid-Hood Cloudy SS 16:20:56 1.0 Surface 1 1 26:65 8.00 82:41-12 Mid-Hood Cloudy SS 16:20:56 8.10 Surface 1 1 26:66 8.00 82:41-12 Mid-Hood Cloudy SS 16:20:41-12 Mid-Hoo	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	CS2(A)	05:55:13	1.0	Surface	1	2	26.69	8.12	26.38	92.80	6.6	2.7	5.8
HRIKR HY/2011/03 2024-11-12 Mid-Ebb Cloudy CS2(A) 05-54-49 5-6 Bottom 3 2 26-54 8.10 29-19 8.89.0 5-9 3.1 6.2	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	CS2(A)	05:55:02	3.3	Middle	2	2	26.60	8.11	28.78	84.80	6.0	3.0	4.9
HKIR HY/2011/03 2024-11-22 Mid-Ebb Cloudy CSIMIS 03:5955 6.0 Middle 2 1 26:77 8.03 28:07 84:10 6.0 3.4 5.9	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-22 2024-11-22	Mid-Ebb Mid-Ebb	Cloudy	CS2(A) CS(Mf)5	05:54:49 04:00:11	5.6 1.0	Bottom Surface	3	2	26.54 26.78	8.10 8.05	29.19 27.83	83.90 85.00	5.9 6.1	3.1 3.3	6.2 6.4
HKIR HY/2011/03 2024-11-22 Mid-Fibb Cloudy CSIMIS 03-59-32 11.0 Bentom 3 1 26.67 8.02 28.21 83.40 6.0 3.4 6.2	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	CS(Mf)5	03:59:55	6.0	Middle	2	1	26.77	8.03	28.07	84.10	6.0	3.4	5.9
HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:1955 1.0 Surface 1 1 26:62 8.04 27:97 80:70 S.8 3.2 7.7 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:1942 4.3 Middle 2 1 26:57 8.05 27:97 80:70 S.8 3.2 7.8 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:1942 4.3 Middle 2 2 2 26:69 8.04 28:31 80:70 S.8 3.2 7.2 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:1942 4.3 Middle 2 2 2 26:69 8.04 28:31 80:70 S.8 3.2 6.4 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:1942 7.6 Rottom 3 1 26:51 8.04 82:30 79:50 5.7 3.2 6.5 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:1924 7.6 Rottom 3 2 26:66 8.04 82:31 80:70 5.7 3.2 6.5 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:1924 7.6 Rottom 3 2 26:66 8.05 27:87 80:00 5.7 3.3 7.5 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:2920 1.0 Surface 1 1 26:70 8.05 27:97 84:80 6.0 3.3 6.8 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS 16:29:20 1.0 Surface 1 2 26:67 8.05 28:05 84:60 84:00 6.0 3.3 7.9 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS ISS 16:29:07 2.2 Rottom 3 1 26:47 8.05 28:05 28:05 84:60 6.0 3.3 7.9 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS ISS 16:39:29 1.0 Surface 1 1 26:54 8.05 28:05 84:00 6.0 3.4 7.1 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS ISS 16:39:29 1.0 Surface 1 1 26:54 8.05 28:05 84:00 6.0 3.2 9.9 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS ISS 16:39:29 1.0 Surface 1 2 26:61 8:03 27:75 84:00 6:0 3.2 9.9 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS ISS 16:39:29 1.0 Surface 1 2 26:61 8:03	HKLR HY/2011/03	2024-11-22	Mid-Ebb	Cloudy	CS(Mf)5	03:59:32	11.0	Bottom	3	1	26.67	8.02	28.21	83.40	6.0	3.4	6.2
HKER HY/2011/03 2024-11-22 Mid-Flood Cloudy S5 16:20:16 4.3 Middle 2 2 2 56:69 8.04 8.31 80:70 5.8 3.2 6.4 Mid-Flood Cloudy S5 16:20:16 4.3 Middle 2 2 2 56:69 8.04 8.30 70 5.8 3.2 6.6 Mid-Flood Cloudy S5 16:20:24 7.6 Bottom 3 1 56:61 8.04 8.30 70 5.7 3.2 6.6 Mid-Flood Cloudy S5 16:20:24 7.6 Bottom 3 2 26:66 8.05 27:87 80:00 5.7 3.3 7.5 Mid-Flood Cloudy S5 16:20:24 7.6 Bottom 3 2 26:66 8.05 27:87 80:00 5.7 3.3 7.5 Mid-Flood Cloudy S1MIP6 16:28:57 1.0 Surface 1 1 56:70 8.05 27:97 84:80 6.0 3.3 6.8 Mid-Flood Cloudy S1MIP6 16:29:20 1.0 Surface 1 2 26:67 8.05 28:00 84:00 6.0 3.3 7.9 Mid-Flood Cloudy S1MIP6 16:29:20 1.0 Surface 1 2 26:67 8.05 88:00 84:00 6.0 3.3 7.9 Mid-Flood Cloudy S1MIP6 16:29:20 1.0 Surface 1 2 26:67 8.05 88:00 84:00 6.0 3.3 7.9 Mid-Flood Cloudy S1MIP6 16:29:20 1.0 Surface 1 1 1 56:70 8.05 88:05 84:00 6.0 3.3 7.9 Mid-Flood Cloudy S1MIP6 16:29:20 1.0 Surface 1 1 1 56:54 8.05 88:05 88:00 84:00 6.0 3.3 7.9 Mid-Flood Cloudy S1MIP6 16:29:20 1.0 Surface 1 1 1 56:54 8.05 88:05 88:00 84:00 6.0 3.3 7.9 Mid-Flood Cloudy S1MIP6 16:29:20 1.0 Surface 1 1 1 56:54 8.05 88:05 88:00 84:00 6.0 3.3 7.9 Mid-Flood Cloudy S1MIP6 16:29:20 1.0 Surface 1 1 1 56:54 8.05 88:05 88:00 84:00 6.0 3.2 9.1 Mid-Flood Cloudy S7 16:39:29 1.0 Surface 1 1 1 56:54 8.05 88:05 88:00 84:00 6.0 3.2 9.2 Mid-Flood Cloudy S7 16:39:29 1.0 Surface 1 2 26:61 8.03 27:95 84:00 6.0 3.2 9.9 Mid-Flood Cloudy S7 16:39:29 1.0 Surface 1 2 26:61 8.03 27:95 84:00 6.0 3.2 9.9 Mid-Flood Cloudy S7 16:39:20 2.0 Bottom 3 1 56:43 8.05 88:00 88:00 6.0 3.2 6.7 Mid-Flood Cloudy S8/N 17:105 1.0 Surface 1 1 56:66 8.03 88:00 88:00 6.0 3.2 6.7 Mid-Flood Cloudy S8/N 17:105 1.0 Surface 1 1 56:66 8.03 88:00 88:00 88:00 6.0 3.2 6.7 Mid-Flood Cloudy S8/N 17:119 1.0 Surface 1 1 56:64 8.02 27:96 88:70 6.0 3.2 6.9 Mid-Flood Cloudy S8/N 17:119 1.0 Surface 1 1 56:64 8.02 27:96 88:70 6.0 3.2 6.9 Mid-Flood Cloudy S8/N 17:119 1.0 Surface 1 1 56:64 8.02 27:96 88:70 6.0 3.2 6.9 Mid-Flood Cloudy S8/N 17:119 1.0 Surface 1 1 56:64 8.02 27:96 88:70 6.0 3.2 6.9 Mid-Flood Cloudy S8/N 17:1	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-22 2024-11-22	Mid-Flood Mid-Flood	Cloudy	ISS ISS	16:19:55 16:20:36	1.0 1.0	Surface Surface	1	1 2	26.62 26.54	8.04 8.05	27.97 27.97	80.70 82.60	5.8 5.9	3.2 3.2	7.7 7.8
HKUR HY/2011/03 2024-11-22 Mid-Flood Cloudy S5 16:2004 7.6 Bottom 3 2 26:66 8.05 27:97 88.00 5.7 3.3 7.5	HKLR HY/2011/03	2024-11-22	Mid-Flood	Cloudy	IS5	16:20:16	4.3	Middle	2	2	26.69	8.04	28.31	80.70	5.8	3.2	6.4
HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISMM6 16:29-20 1.0 Surface 1 2 26:67 8.05 88.00 84.00 6.0 3.3 7.9 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISMM6 16:29-20 80-100 3 1 26:77 8.05 88.05 84.00 6.0 3.3 7.9 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISMM6 16:29-07 2.2 80-100 3 2 26:74 8.05 88.02 84.30 6.0 3.4 7.1 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39-13 1.0 Surface 1 1 2 26:54 8.05 72:79 84.50 6.0 3.2 9.2 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39-29 1.0 Surface 1 2 26:61 8.03 72:75 84.00 6.0 3.2 9.2 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39-29 1.0 Surface 1 2 26:61 8.03 72:75 84.00 6.0 3.2 9.9 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39-20 80-100 3 1 26:43 8.05 88.00 6.0 3.2 6.7 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39-20 2.0 80-100 3 1 26:44 8.03 88.00 6.0 3.2 6.7 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39-20 2.0 80-100 3 2 26:44 8.03 88.00 6.0 3.2 6.7 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39-20 1.0 Surface 1 1 26:66 8.03 88.00 88.80 6.0 3.2 6.7 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISR/M 17:11-19 1.0 Surface 1 1 26:66 8.03 88.00 88.80 6.0 3.2 6.0 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISR/M 17:11-19 1.0 Surface 1 2 26:64 8.02 27:96 88.70 6.0 3.2 6.1 HKIR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISR/M 17:11-19 1.0 Surface 1 2 26:64 8.02 27:96 88.70 6.0 3.2 6.9	HKLR HY/2011/03	2024-11-22	Mid-Flood	Cloudy	IS5	16:20:04	7.6	Bottom	3	2	26.66	8.05	27.87	80.00	5.7	3.3	7.5
HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39:13 1.0 Surface 1 1 26:54 8.05 27:99 84:50 6.0 3.2 9.2 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39:29 1.0 Surface 1 2 26:61 8.03 27:95 84:00 6.0 3.2 9.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:38:56 2.0 Bottom 3 1 26:43 8.05 28:01 83:60 6.0 3.2 6.7 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IST 16:39:20 2.0 Bottom 3 2 26:44 8.03 27:95 83:60 83:80 6.0 3.2 6.7 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS(N) 17:10:55 1.0 Surface 1 1 26:66 8.03 28:07 84:10 6.0 3.2 6.0 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS(N) 17:11:19 1.0 Surface 1 2 26:64 8.02 27:96 83:70 6.0 3.2 6.1 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS(N) 17:11:19 1.0 Surface 1 2 26:64 8.02 27:96 83:70 6.0 3.2 6.1 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS(N) 17:11:19 1.0 Surface 1 2 26:64 8.02 27:96 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS(N) 17:11:19 1.0 Surface 1 2 26:64 8.02 27:96 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS(N) 17:11:19 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISS(N) 17:11:19 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-22 2024-11-22	Mid-Flood Mid-Flood	Cloudy	IS(Mf)6 IS(Mf)6	16:29:20 16:28:44	1.0 2.2	Surface Bottom	1 3	2	26.67 26.47	8.05 8.05	28.00 28.05	84.00 84.60	6.0 6.0	3.3 3.3	7.9 7.9
HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS7 16:38-56 2.0 Bottom 3 1 26:43 8.05 28:01 83:80 6.0 3.2 6.7 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS7 16:39-20 2.0 Bottom 3 2 26:44 8.03 28:00 83:80 6.0 3.2 6.7 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:55 1.0 Surface 1 1 26:66 8.03 28:07 84:10 6.0 3.2 6.0 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:59 1.0 Surface 1 2 26:64 8.02 27:96 83:70 6.0 3.2 6.1 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:91 1.0 Surface 1 2 26:64 8.02 27:96 83:70 6.0 3.2 6.1 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:91 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:91 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:91 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:91 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:91 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:91 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy IS8(N) 17:10:91 1.0 Surface 1 2 26:64 8.02 28:10 83:70 6.0 3.2 6.9 83:70 6.0 3.2 6.9 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83:70 6.0 83	HKLR HY/2011/03	2024-11-22	Mid-Flood	Cloudy	IS7	16:39:13	1.0	Surface	1	1	26.54	8.05	27.99	84.50	6.0	3.2	9.2
HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISRN 17:1055 1.0 Surface 1 1 2.666 8.03 28:07 84:10 6.0 3.2 6.0 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISRN 17:11:19 1.0 Surface 1 2 26:64 8.02 27:96 83:70 6.0 3.2 6.1 HKLR HY/2011/03 2024-11-22 Mid-Flood Cloudy ISRN 17:10:39 2.9 Bottom 3 1 26:64 8.02 28:10 83:70 6.0 3.2 6.9	HKLR HY/2011/03	2024-11-22	Mid-Flood	Cloudy	IS7	16:38:56	2.0	Bottom	3	1	26.43	8.05	28.01	83.60	6.0	3.2	6.7
	HKLR HY/2011/03 HKLR HY/2011/03	2024-11-22 2024-11-22	Mid-Flood Mid-Flood	Cloudy	IS8(N) IS8(N)	17:10:55 17:11:19	1.0 1.0	Surface Surface	1	1 2	26.66 26.64	8.03 8.02	28.07 27.96	84.10 83.70	6.0 6.0	3.2 3.2	6.0 6.1

Project Work		Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	рН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	IS(Mf)9 IS(Mf)9 IS(Mf)9	16:48:19 16:48:56 16:48:04	1.0 1.0 2.6	Surface Surface Bottom	1 1 3	1 2 1	26.64 26.64 26.50	8.03 8.04 8.03	27.99 28.00 28.06	84.20 83.50 83.30	6.0 6.0 5.9	3.2 3.3 3.2	7.0 5.7 6.9
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	IS(Mf)9 IS10(N)	16:48:26 17:06:00	2.6 1.0	Bottom Surface	3	2	26.54 26.95	8.03 8.10	28.02 26.57	83.40 93.10	5.9	3.3 2.7	5.6 6.8
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	IS10(N) IS10(N)	17:05:16 17:05:44	1.0 5.3	Surface Middle	1 2	1	26.91 26.59	8.10 8.08	26.58 28.87	92.40 84.70	6.5	2.8 3.1	6.8 7.7
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	IS10(N) IS10(N) IS10(N)	17:05:03 17:05:35 17:04:52	5.3 9.6 9.6	Middle Bottom Bottom	3	2 1 2	26.59 26.60 26.61	8.08 8.08 8.08	28.83 29.04 28.99	84.50 84.00 84.40	6.0 5.9 6.0	3.0 3.3 3.4	8.1 6.8 5.4
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	SR3(N) SR3(N)	16:07:49 16:08:17	1.0	Surface Surface	1 1	1 2	26.71 26.70	8.03 8.03	27.95 27.98	84.60 85.10	6.1	3.4	6.3 5.6
HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	SR3(N) SR3(N)	16:07:30 16:08:03	2.1 2.1	Bottom Bottom	3	1 2	26.68 26.65	8.03 8.04	27.99 28.00	84.40 84.90	6.0	3.4 3.2	6.4
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	SR4(N3) SR4(N3) SR4(N3)	17:02:24 17:02:57 17:02:05	1.0 1.0 2.8	Surface Surface Bottom	1 1 3	2	26.67 26.66 26.64	8.05 8.01 8.04	28.06 27.96 28.08	83.90 84.30 83.20	6.0 6.0 5.9	3.2 3.1 3.1	6.4 7.9 6.4
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	SR4(N3) SR5(N)	17:02:36 16:56:44	2.8	Bottom Surface	3	2	26.61 26.91	8.02 8.11	27.96 26.10	84.00 93.50	6.0	3.2 2.8	5.6 5.3
HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	SR5(N) SR5(N)	16:56:01 16:56:31	1.0 4.6	Surface Middle	1 2	2	26.85 26.63	8.12 8.09	26.23 28.69	92.90 84.50	6.6 6.0	2.8 3.1	5.9 5.5
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	SR5(N) SR5(N) SR5(N)	16:55:49 16:56:18 16:55:38	4.6 8.1 8.1	Middle Bottom Bottom	3 3	1 2	26.62 26.60 26.58	8.09 8.08 8.09	28.70 29.09 29.10	83.90 84.50 83.70	5.9 6.0 5.9	3.2 3.2 3.3	5.8 5.2 6.6
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	SR10A(N) SR10A(N)	17:53:33 17:52:47	1.0	Surface Surface	1 1	1 2	26.75 26.79	8.11 8.13	27.00 27.09	92.50 92.50	6.5	1.9	5.9 5.4
HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	SR10A(N) SR10A(N)	17:53:15 17:52:29	6.6 6.6	Middle Middle	2	1 2	26.57 26.55	8.10 8.11	29.65 29.73	83.90 84.20	5.9	2.4	7.2
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	SR10A(N) SR10A(N) SR10B(N2)	17:52:17 17:53:03 18:04:53	12.2 12.2 1.0	Bottom Bottom Surface	3 3 1	2	26.55 26.59 26.78	8.11 8.10 8.11	29.79 29.67 26.86	84.30 84.20 91.80	5.9 5.9 6.4	2.7 2.8 1.9	4.6 6.1 6.7
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	SR10B(N2) SR10B(N2)	18:05:32 18:05:18	1.0	Surface Middle	1 2	2	26.79 26.66	8.11 8.09	27.06 29.34	92.20 84.40	6.5	1.9	5.9 5.5
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	SR10B(N2) SR10B(N2)	18:04:41 18:04:30	3.7 6.3	Middle Bottom	2 3	2	26.67 26.62	8.10 8.09	29.35 29.56	84.50 84.20	5.9 5.9	2.3 2.7	7.1 5.7
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	SR10B(N2) CS2(A) CS2(A)	18:05:05 16:03:41 16:03:07	6.3 1.0 1.0	Surface Surface	3 1	1 2	26.66 26.80 26.76	8.09 8.13 8.11	29.50 26.37 26.38	96.30 95.90	5.9 6.8 6.8	2.8 2.4 2.5	7.9 6.0 5.5
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22 1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	CS2(A) CS2(A)	16:03:07 16:02:55 16:03:30	3.3 3.3	Middle Middle	2 2	1 2	26.58 26.61	8.11 8.11	28.78 28.76	86.80 87.30	6.1	3.3 3.2	6.0 7.6
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22 1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	CS2(A) CS2(A)	16:02:44 16:03:20	5.6 5.6	Bottom Bottom	3	2	26.57 26.59	8.10 8.10	29.11 29.09	85.60 86.30	6.1 6.1	3.6 3.6	7.7 5.9
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-22	Mid-Flood Mid-Flood Mid-Flood	Cloudy Cloudy Cloudy	CS(Mf)5 CS(Mf)5 CS(Mf)5	17:55:03 17:55:47 17:54:44	1 1 5.9	Surface Surface Middle	1 1 2	2	26.68 26.61 26.40	8.06 8.07 8.06	27.91 27.97 28.18	80.30 81.60 79.30	5.7 5.8 5.7	3.2 3.2 3.3	5.6 5.5 8.2
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22 1/03 2024-11-22	Mid-Flood Mid-Flood	Cloudy	CS(Mf)5 CS(Mf)5	17:55:31 17:54:20	5.9 10.8	Middle Bottom	2 3	2	26.39 26.43	8.06 8.06	28.19 28.19	80.90 79.00	5.8 5.7	3.3 3.3	9.9 6.0
HKLR HY/201: HKLR HY/201:	1/03 2024-11-22 1/03 2024-11-25	Mid-Flood Mid-Ebb	Cloudy	CS(Mf)5 IS5	17:55:13 08:39:01	10.8	Bottom Surface	3	1	26.41 26.29	8.06 8.10	28.21 27.44	79.80 95.40	5.7 6.7	3.3 2.5	4.7
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	ISS ISS	08:39:41 08:39:27 08:38:45	5.4 5.4	Surface Middle Middle	2 2	2 1 2	26.31 26.16 26.16	8.10 8.07 8.07	27.46 29.04 29.03	95.20 89.90 90.30	6.7 6.3 6.3	2.6 3.1 3.0	3.1 3.0 3.8
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	08:39:15 08:38:34	9.8 9.8	Bottom Bottom	3 3	1 2	26.19 26.18	8.07 8.08	29.11 29.16	89.90 89.90	6.3	3.3 3.2	3.6 3.2
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS(Mf)6	08:50:20 08:49:36	1.0	Surface Surface	1	2	26.28 26.29	8.09 8.09	27.47 27.46	93.90 94.00	6.6	2.6	4.9 3.8
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)6 IS(Mf)6 IS7	08:50:05 08:49:22 08:49:55	4.7 4.7 1.0	Bottom Bottom Surface	3 3 1	2	26.18 26.18 26.18	8.06 8.07 8.06	28.95 28.95 29.13	89.10 89.40 89.40	6.2 6.2	3.0 3.0 3.3	5.2 4.5 4.2
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	IS7 IS7	08:49:10 07:48:52	1.0	Surface Bottom	1 3	2	26.17 26.36	8.06 8.09	29.16 27.66	89.50 93.60	6.2	3.1 2.1	4.8
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	IS7 IS8(N)	07:48:07 07:47:49 07:48:33	1	Bottom Surface	3 1 1	2 1 2	26.36 26.16	8.08 8.06	27.57 29.23	93.60 88.60	6.5	2.2	3.1 3.9
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS8(N) IS8(N) IS8(N)	07:47:38 07:48:23	1 12.0 12.0	Surface Bottom Bottom	3 3	1 2	26.15 26.20 26.23	8.06 8.06 8.06	29.22 29.42 29.48	88.00 88.30 88.20	6.1 6.1 6.1	2.3 2.9 2.9	2.6 3.9 3.0
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	07:36:43 07:36:02	1.0 1.0	Surface Surface	1	1 2	26.37 26.36	8.08 8.07	27.72 27.69	97.50 97.80	6.8 6.8	2.3 2.3	4.4 2.9
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)9 IS(Mf)9	07:35:45 07:36:28 07:36:17	3.8	Bottom Bottom Surface	3 3 1	1 2 1	26.24 26.25 26.25	8.05 8.06 8.05	29.08 29.03 29.36	91.40 90.10 89.70	6.4	2.5 2.5 2.8	2.3 2.1 7.6
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N) IS10(N)	07:35:32 09:51:46	1.0 1.0 2.2	Surface Middle	1 2	2	26.10 26.27	8.04 8.10	29.39 27.32	89.80 95.30	6.2 6.2 6.7	2.8 2.8 3.0	9.1 7.8
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	09:51:10 09:51:33	2.2 3.4	Middle Bottom	2 3	2	26.26 26.19	8.11 8.09	27.42 28.80	95.10 90.80	6.6 6.3	2.9 3.1	9.4 8.0
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) SR3(N) SR3(N)	09:50:58 09:51:23 09:50:44	3.4 1.0 1.0	Surface Surface	3 1 1	1 2	26.19 26.20 26.16	8.10 8.08 8.09	28.78 29.05 29.09	90.20 89.80 89.60	6.3 6.3	3.2 3.3 3.3	7.8 2.7 4.0
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR3(N)	15:37:21 15:38:07	1.0	Bottom	3	1 2	26.41 26.43	8.09 8.09	27.39 27.38	94.90 95.50	6.6	2.9	3.8 3.3
HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR4(N3)	15:37:09 15:37:50	1.0 1.0	Surface Surface	1 1	1 2	26.20 26.20	8.07 8.07	28.82 28.86	90.40 90.50	6.3 6.3	3.1 3.1	3.4 2.6
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR4(N3) SR4(N3) SR5(N)	15:37:41 15:36:58 15:28:36	9.5 9.5 1.0	Bottom Bottom Surface	3 3	1 2 1	26.23 26.23 26.42	8.07 8.07 8.10	29.00 28.97 27.19	90.20 95.90	6.3 6.3	3.3 3.3 2.9	3.6 2.2 7.0
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	15:27:55 15:28:22	1.0	Surface Middle	1 2	2	26.38 26.24	8.10 8.08	27.26 28.71	95.30 90.40	6.7	2.8 3.1	7.0 7.6
HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	15:27:42 15:28:11	4.7 8.3	Middle Bottom	2	2	26.22 26.23	8.08 8.07	28.72 29.02	89.90 90.40	6.3	3.2 3.4	5.9 7.7
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR10A(N) SR10A(N)	15:27:30 16:30:31 16:29:45	8.3 1.0 1.0	Surface Surface	3 1 1	1 2	26.21 26.32 26.34	8.08 8.10 8.11	29.04 27.93 27.96	95.20 95.10	6.2 6.6 6.6	3.4 2.1 2.1	7.2 6.3 7.0
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	16:29:28 16:30:14	6.5 6.5	Middle Middle	2 2	1 2	26.15 26.16	8.09 8.09	29.63 29.58	89.70 89.30	6.2 6.2	2.6 2.6	7.5 7.1
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N)	16:29:16 16:30:02 16:42:21	12.0 12.0	Bottom Bottom	3 3	2	26.16 26.18 26.35	8.10 8.09 8.10	29.68 29.60 27.89	89.60 89.50 93.80	6.2 6.2 6.5	2.8 2.8 2.1	7.1 8.1 7.1
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	16:42:21 16:42:59 16:42:46	1.0 1.0 3.8	Surface Surface Middle	1 1 2	1 2 1	26.35 26.35 26.25	8.10 8.10 8.08	27.89 27.99 29.23	93.80 94.20 89.70	6.5 6.2	2.1 2.1 2.4	7.1 7.0 8.7
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	16:42:09 16:41:58	3.8 6.5	Middle Bottom	2 3	2	26.26 26.22	8.09 8.08	29.25 29.48	89.60 89.40	6.2 6.2	2.5 2.8	8.0 8.7
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) CS2(A)	16:42:34 14:31:04 14:30:30	6.5 1.0 1.0	Surface Surface	3 1	1 2	26.25 26.36 26.32	8.08 8.11 8.10	29.42 27.37 27.41	89.50 98.20 97.90	6.2 6.9 6.8	2.8 2.6 2.7	8.4 5.9 6.4
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A) CS2(A)	14:30:53 14:30:18	3.3 3.3	Middle Middle	2 2	1 2	26.22 26.20	8.09 8.10	28.79 28.80	92.50 92.20	6.5	3.1 3.2	7.5 7.6
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	14:30:07 14:30:43	5.6 5.6	Bottom Bottom	3	2	26.20 26.22	8.09 8.09	29.09 29.06	91.10 91.70	6.4 6.4	3.5 3.5	8.2 6.0
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	09:26:03 09:25:17 09:25:02	1.0 1.0 4.2	Surface Surface Middle	1 1 2	2	26.16 26.17 25.97	8.06 8.07 8.03	28.24 28.23 29.10	94.10 95.30 90.50	6.6 6.6 6.3	2.8 2.7 3.0	3.1 2.4 2.6
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	09:25:48 09:25:32	4.2 7.4	Middle Bottom	2	2	25.97 25.94	8.03 8.02	29.10 29.23	90.80 89.80	6.3 6.2	2.9 3.2	3.3 4.1
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Ebb Mid-Flood	Fine Fine	CS(Mf)5 IS5	09:24:51 09:16:17	7.4 1.0	Bottom Surface	3	1	25.96 26.20	8.03 8.07	29.24 28.21	89.70 97.00	6.2 6.7	3.2 2.6	5.3 2.6
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	ISS ISS	09:16:00 09:16:08 09:15:43	1.0 1.0 1.0	Surface Middle Middle	2 2	2 1 2	26.19 26.17 26.16	8.07 8.07 8.06	28.21 28.31 28.33	96.80 96.50 96.50	6.7 6.7	2.6 2.9 2.8	3.6 3.3 2.9
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	09:06:17 09:06:01	1.0 1.0	Bottom Bottom	3	1 2	26.21 26.17	8.07 8.07	28.20 28.23	96.60 96.30	6.7 6.7	2.6 2.6	3.4 2.5
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS(Mf)6	09:06:08 09:05:52	1.0	Surface Surface	1 1	2	26.17 26.14	8.06 8.06	28.29 28.33	96.30 96.20	6.7	2.9 2.9	2.6
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)6 IS(Mf)6 IS7	08:33:49 08:34:25 08:33:58	1.0 1.0 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.17 26.16 26.12	8.06 8.06 8.05	28.19 28.19 28.41	96.20 97.00 95.80	6.7 6.7	2.6 2.6 2.8	4.2 3.8 4.9
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	IS7	08:33:38 08:56:32	1.0 1.0	Surface Surface Bottom	1 3	2	26.10 26.19	8.05 8.07	28.44 28.19	95.10 96.40	6.6 6.7	2.9 2.5	3.6 4.3
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25 1/03 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	IS7 IS8(N)	08:56:14 08:56:22	1.0 1.0	Bottom Surface	3	2	26.19 26.16	8.07 8.06	28.20 28.32	96.20 95.70	6.7 6.6	2.5 2.9	3.2
HKLR HY/201: HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS8(N) IS8(N) IS8(N)	08:56:05 09:38:12 09:38:28	1.0 1.0 1.0	Surface Bottom Bottom	3 3	2 1 2	26.13 26.19 26.20	8.06 8.07 8.07	28.32 28.63 28.62	95.40 94.90 95.60	6.6 6.6	2.9 2.8 2.7	4.1 3.0 4.6
HKLR HY/201: HKLR HY/201:	1/03 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)9 IS(Mf)9	09:38:19 09:38:02	1.0	Surface Surface	1 1	1 2	26.17 26.14	8.07 8.06	28.71 28.74	94.70 93.90	6.6	3.1 3.1	4.1 4.2
	·		-					-		-					-	

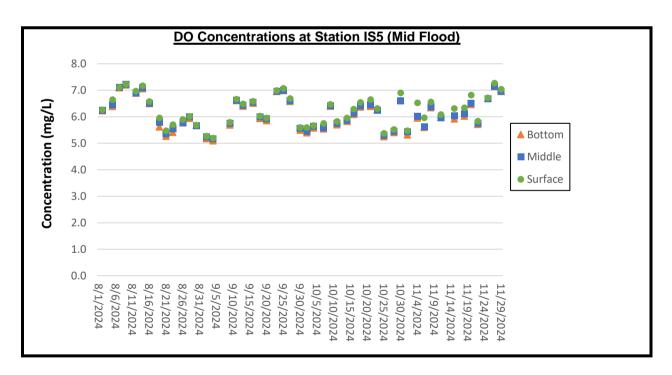
Project HKLR	Works HY/2011/03	Date (yyyy-mm-dd) 2024-11-25	Tide Mid-Flood	Weather Condition	Station IS(Mf)9	Time 08:43:04	Depth, m	Level Bottom	Level_Code 3	Replicate 1	Temperature, °C 26.19	pH 8.06	Salinity, ppt 28.20	DO, % 95.50	DO, mg/L 6.6	Turbidity, NTU	SS, mg/L 3.2
HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)9 IS10(N)	08:42:44 08:42:54	1.0	Bottom Surface	3 1	2	26.19 26.16 26.12	8.06 8.05	28.19 28.40	95.70 95.30	6.7	2.4 2.4 2.6	2.6 6.9
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	08:42:32 07:50:11	1.0 3.6	Surface Middle	1 2	2	26.09 26.17	8.05 8.05	28.44 28.28	95.50 96.20	6.6	2.6 2.5	8.4 6.9
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	07:50:59 07:50:40 07:49:54	3.6 6.2 6.2	Middle Bottom Bottom	3 3	1 2	26.18 25.93 25.95	8.05 8.03 8.02	28.25 29.31 29.30	96.50 92.20 92.60	6.7 6.4 6.4	2.4 2.7 2.8	6.4 8.4 8.0
HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	SR3(N) SR3(N)	07:49:44 07:50:29	1.0	Surface Surface	1 1	1 2	25.95 25.94	8.02 8.03	29.38 29.38	90.90	6.3	3.0 3.0	6.4 7.7
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	SR3(N) SR3(N)	14:49:00 14:49:36	1.0 1.0	Bottom Bottom	3	1 2	26.23 26.25	8.06 8.05	28.20 28.20	96.60 96.80	6.8 6.8	2.8 2.8	2.1
HKLR HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine Fine	SR4(N3) SR4(N3)	14:48:48 14:49:24 14:48:40	1.0	Surface Surface	1	2	26.09 26.10 26.08	8.03 8.03 8.03	29.02 28.99 29.11	94.00 94.20 93.60	6.6 6.6	3.1 3.1 3.2	7.5 6.6 4.8
HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR4(N3) SR5(N)	14:49:13 15:00:57	7.4 7.4 1.0	Bottom Bottom Surface	3 3 1	2	26.12 26.26	8.03 8.05	29.06 28.20	93.80 99.70	6.6 7.0	3.2 2.7	3.7 9.9
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N)	15:00:39 15:00:48	1.0 1.0	Surface Middle	1 2	2	26.25 26.23	8.06 8.06	28.18 28.28	98.80 98.10	6.9 6.9	2.8 3.1	8.7 8.2
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	15:00:30 15:11:20 15:11:03	1.0 1.0 1.0	Middle Bottom Bottom	3 3	2 1 2	26.20 26.27 26.26	8.06 8.06 8.06	28.28 28.20 28.22	97.10 99.10 98.90	6.8 6.9 6.9	3.2 2.6 2.7	7.8 6.6 8.0
HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	15:11:10 15:10:55	1.0	Surface Surface	1 1	1 2	26.23 26.21	8.06 8.06	28.28 28.30	98.60 98.50	6.9	2.9	8.0 9.7
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	15:43:54 15:44:13	2.0	Middle Middle	2 2	1 2	26.24 26.26	8.04 8.05	28.19 28.17	97.10 97.60	6.8 6.8	2.8 2.7	9.2 8.8
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N) SR10B(N2)	15:44:03 15:43:44 15:19:55	2.9 2.9 1.0	Bottom Bottom Surface	3 3 1	2	26.23 26.18 26.27	8.04 8.03 8.06	28.28 28.34 28.21	97.10 96.50 98.70	6.8 6.8 6.9	3.0 3.0 2.7	8.7 8.0 8.1
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2)	15:19:34 15:19:44	1.0	Surface Middle	1 2	2	26.26 26.23	8.05 8.05	28.21 28.32	98.40 98.30	6.9	2.8	7.6 9.8
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2)	15:19:26 14:33:57	1.0	Middle Bottom	2	2	26.21 26.26	8.05 8.06	28.31 28.59	98.20 99.30	6.9 7.0	2.9 2.9	8.3 8.2
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) CS2(A) CS2(A)	14:33:39 14:33:47 14:33:30	1.0 1.0 1.0	Surface Surface	3 1	1 2	26.27 26.24 26.25	8.06 8.06 8.05	28.58 28.62 28.64	98.50 98.00 97.40	6.9 6.9 6.8	2.9 3.0 3.1	9.0 13.5 7.4
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	15:35:12 15:34:56	1.9 1.9	Middle Middle	2 2	1 2	26.25 26.25	8.05 8.04	28.20 28.19	97.20 96.80	6.8 6.8	2.6 2.7	7.0 7.2
HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	15:35:05 15:34:46	2.8	Bottom	3	2	26.23 26.10	8.04 8.03	28.30 28.31	96.60 96.10	6.8	2.9	8.1 8.5
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-25 2024-11-25	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	16:27:13 16:26:32 16:26:17	1 1 6.3	Surface Surface Middle	1 1 2	1 2 1	26.26 26.27 25.94	8.06 8.05 8.00	28.33 28.32 29.45	93.70 93.40 89.90	6.5 6.5	2.4 2.4 2.7	4.0 3.5 3.8
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-25 2024-11-25	Mid-Flood Mid-Flood	Fine Fine	CS(Mf)5 CS(Mf)5	16:26:58 16:26:48	6.3 11.5	Middle Bottom	2	2	25.94 25.95	7.99 8.00	29.44 29.01	89.80 88.90	6.3 6.2	2.6 2.8	4.3 6.1
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-25 2024-11-27 2024-11-27	Mid-Flood Mid-Ebb Mid-Ebb	Fine Fine Fine	CS(Mf)5 ISS ISS	16:26:06 11:04:07 11:03:25	11.5 1 1	Surface Surface	3 1 1	2 1 2	25.93 26.03 26.04	8.00 8.10 8.11	29.50 28.56 28.56	89.00 95.80 96.80	6.2 6.9 6.9	2.8 2.4 2.3	7.8 1.4 1.9
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	ISS ISS	11:03:25 11:03:11 11:03:53	4.2 4.2	Middle Middle	2 2	1 2	26.04 25.86 25.86	8.11 8.06 8.06	28.56 29.16 29.15	96.80 92.90 93.40	6.9 6.7	2.3 2.6 2.5	1.9 1.6 2.2
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	11:03:40 11:03:02	7.4 7.4	Bottom Bottom	3	2	25.83 25.85	8.06 8.06	29.23 29.24	92.20 91.70	6.6 6.6	2.7 2.7	3.1 3.8
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)6 IS(Mf)6 IS(Mf)6	10:53:01 10:52:43 10:52:30	1.0 1.0 2.3	Surface Surface Bottom	1 1 3	2	26.06 26.05 26.02	8.11 8.11 8.09	28.54 28.54 28.65	98.40 97.80 97.60	7.0 7.0 7.0	2.2 2.2 2.5	2.2 2.7 2.7
HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS7	10:52:52 10:42:34	2.3	Bottom Surface	3	2	26.03 26.06	8.10 8.10	28.62 28.54	97.50 97.80	7.0	2.5 2.2	2.3 1.6
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	IS7 IS7	10:42:18 10:42:26	1.0 2.3	Surface Bottom	3	1	26.05 26.03	8.11 8.09	28.54 28.61	97.40 97.40	7.0 7.0	2.2	2.3 2.3
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS7 IS8(N) IS8(N)	10:42:09 10:09:32 10:09:59	2.3 1 1	Surface Surface	3 1 1	2 1 2	26.01 26.04 26.03	8.09 8.08 8.08	28.65 28.52 28.52	97.00 97.50 98.30	7.0 7.0 7.1	2.4 2.1 2.1	1.7 4.1 5.6
HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	IS8(N) IS8(N)	10:09:40 10:09:22	3.0	Bottom Bottom	3 3	1 2	25.99 25.97	8.06 8.07	28.71 28.74	96.80 96.70	6.9	2.2	2.4
HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	10:33:30	1.0	Surface Surface	1	2	26.06 26.06	8.10 8.10	28.52 28.54	97.60 97.30	7.0	2.2	3.0 2.5
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS10(N)	10:33:20 10:33:03 10:23:44	2.5 2.5 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.02 25.98 26.33	8.08 8.08 8.09	28.66 28.67 28.17	97.00 96.70 94.30	7.0 6.9 6.6	2.5 2.5 2.5	2.0 2.5 2.1
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	10:24:25 10:24:10	1.0 5.4	Surface Middle	1 2	2	26.34 26.19	8.10 8.07	28.20 29.17	94.40 90.90	6.6 6.3	2.5 2.9	3.4 2.4
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	10:23:29 10:23:59 10:23:19	5.4 9.7 9.7	Middle Bottom Bottom	3 3	2 1 2	26.20 26.22 26.21	8.07 8.07 8.08	29.15 29.23 29.25	91.00 90.80 90.80	6.4 6.3 6.3	2.9 3.2 3.2	2.4 2.9 3.2
HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR3(N)	11:16:07 11:15:52	1.0	Surface Surface	1 1	1 2	26.05 26.04	8.11 8.11	28.74 28.75	97.10 96.00	7.0	2.2	3.1
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	SR3(N) SR3(N)	11:15:59 11:15:42	2.2	Bottom Bottom	3	1 2	26.03 26.00	8.11 8.10	28.81 28.84	96.20 95.20	6.9 6.8	2.8 2.8	1.7 1.5
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR4(N3) SR4(N3) SR4(N3)	10:19:45 10:20:05 10:19:55	1.0 1.0 2.8	Surface Surface Bottom	1 1 3	2	26.04 26.06 25.98	8.08 8.08 8.06	28.53 28.52 28.72	97.20 96.80 96.50	7.0 6.9 6.9	2.0 1.9 2.2	2.4 2.0 2.8
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR5(N)	10:19:34 10:33:53	2.8	Bottom Surface	3	2	25.95 26.31	8.06 8.09	28.76 28.20	96.70 93.10	6.9	2.1 2.5	2.4 3.8
HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	10:33:07	4.7	Surface Middle	2	1	26.32 26.21	8.09 8.07	28.20 29.09	93.00	6.5	2.5	2.6
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	10:32:54 10:32:42 10:33:26	4.7 8.4 8.4	Middle Bottom Bottom	3 3	1 2	26.22 26.19 26.20	8.07 8.07 8.06	29.08 29.27 29.24	90.30 90.40 90.30	6.3 6.3	2.8 3.0 3.1	2.2 1.7 2.7
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	09:31:23 09:30:40	1.0	Surface Surface	1	1 2	26.39 26.40	8.08 8.07	28.41 28.36	92.20 92.30	6.4 6.4	2.0 2.1	2.1 1.9
HKLR HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10A(N) SR10A(N)	09:30:22 09:31:06 09:30:55	6.6 6.6 12.2	Middle	2 2 3	2	26.21 26.20 26.26	8.05 8.05	29.43 29.43 29.59	89.30 88.80 89.10	6.2	2.2 2.2 2.7	3.3 2.3 2.1
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N) SR10B(N2)	09:30:55 09:30:12 09:22:04	12.2 12.2 1.0	Bottom Bottom Surface	3 1	2	26.26 26.24 26.41	8.05 8.05 8.07	29.59 29.55 28.42	89.30 97.00	6.2 6.2 6.8	2.7 2.7 2.1	2.1 2.7 2.0
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	09:21:23	1.0 3.7	Surface Middle	1 2	1	26.41 26.29	8.06 8.04	28.40 29.22	96.60 92.30	6.7	2.1 2.4	2.2 1.9
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	09:21:50 09:21:38 09:20:53	3.7 6.4 6.4	Middle Bottom Bottom	3 3	2 1 2	26.28 25.99	8.05 8.05 8.03	29.19 29.45 29.45	91.00 90.70 90.60	6.3 6.3	2.3 2.6 2.6	2.4 3.3 2.2
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	11:31:42 11:31:07	1.0 1.0	Surface Surface	1	1 2	26.31 26.30	8.10 8.11	28.12 28.17	94.40 94.40	6.6 6.6	2.7 2.7	2.0 1.9
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	11:31:30	3.4 3.4	Middle Middle	2 2	2	26.23 26.24	8.09 8.10	28.96 28.93	91.70 91.40	6.4 6.4	2.9 2.9	1.5
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS2(A) CS2(A) CS(Mf)5	11:31:20 11:30:41 09:28:05	5.7 5.7 1.0	Bottom Bottom Surface	3 3 1	1 2 1	26.23 26.20 26.05	8.09 8.09 8.07	29.17 29.18 28.57	91.10 91.00 97.50	6.4 6.4 7.0	3.2 3.1 2.2	2.4 2.1 2.5
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	09:28:51 09:27:50	1.0 6.1	Surface Middle	2	2	26.05 25.84	8.08 8.04	28.57 29.28	97.70 94.90	7.0 6.8	2.1	2.2
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	09:28:34 09:28:22 09:27:40	6.1 11.2 11.2	Middle Bottom Bottom	3 3	2 1 2	25.83 25.86 25.85	8.05 8.05 8.03	29.29 29.30 29.24	94.70 93.40 94.00	6.8 6.7 6.8	2.4 2.6 2.4	2.0 3.2 2.3
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Ebb Mid-Flood Mid-Flood	Fine Fine Fine	ISS ISS	09:27:40 15:29:57 15:30:33	11.2 1.0 1.0	Surface Surface	1 1	1 2	25.85 26.10 26.11	8.03 8.09 8.08	29.24 28.54 28.53	94.00 98.30 98.70	7.3 7.3	2.4 2.5 2.5	3.2 3.2
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	15:30:20 15:29:44	4.2 4.2	Middle Middle	2 2	1 2	25.98 25.97	8.06 8.06	29.05 29.07	97.10 96.80	7.2 7.1	2.8 2.8	2.1 3.0
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	ISS ISS IS(Mf)6	15:29:36 15:30:10 15:39:57	7.3 7.3 1.0	Bottom Bottom Surface	3 3 1	1 2 1	25.96 25.98 26.16	8.05 8.06 8.08	29.13 29.11 28.53	96.40 96.90 101.80	7.1 7.2 7.5	2.8 2.9 2.8	1.8 1.8 2.0
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS(Mf)6	15:39:57 15:39:38 15:39:48	1.0	Surface Surface Bottom	1 1 3	2	26.16 26.14	8.09 8.09	28.53 28.51 28.57	100.90 100.40	7.4 7.4	2.8 2.8 3.3	2.8 2.1
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS7	15:39:28 15:49:32	1.0	Bottom Surface	3	2 1	26.12 26.17	8.09 8.09	28.57 28.55	99.20 101.50	7.3 7.5	3.4 2.1	2.2 1.7
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS7 IS7 IS7	15:49:15 15:49:22 15:49:06	1.0 2.3 2.3	Surface Bottom Bottom	3 3	2 1 2	26.16 26.15 26.12	8.10 8.10 8.10	28.56 28.59 28.61	100.90 100.40 99.80	7.4 7.4 7.4	2.2 2.4 2.5	2.6 3.9 2.2
HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS8(N)	16:23:42 16:24:01	1.0 1.0	Surface Surface	1 1	1 2	26.12 26.17 26.19	8.06 8.07	28.51 28.51	98.50 99.10	7.4 7.3 7.3	2.5 2.5 2.3	1.9 2.1
HKLR HKLR	HY/2011/03 HY/2011/03	2024-11-27 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS8(N)	16:23:52 16:23:33	2.8 2.8	Bottom Bottom	3	2	26.15 26.12	8.05 8.05	28.57 28.60	98.50 97.90	7.3 7.2	2.7 2.8	1.9 1.7
HKLR HKLR HKLR	HY/2011/03 HY/2011/03 HY/2011/03	2024-11-27 2024-11-27 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS(Mf)9	15:59:59 15:59:40 15:59:48	1.0 1.0 2.5	Surface Surface Bottom	1 1 3	1 2 1	26.16 26.16 26.14	8.09 8.09 8.09	28.56 28.56 28.61	100.80 100.20 100.10	7.4 7.4 7.4	2.6 2.6 2.8	1.9 2.0 2.4
HKLR	HY/2011/03 HY/2011/03	2024-11-27	Mid-Flood Mid-Flood	Fine	IS(Mf)9	15:59:48	2.5	Bottom	3	2	26.14	8.08	28.61	99.80	7.4	2.8	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/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	16:35:44 16:34:59 16:35:28	1.0 1.0 5.3	Surface Surface Middle	1 1	1 2 1	26.48 26.46 26.24	8.08 8.09 8.07	27.98 27.99 29.07	94.20 93.60 91.10	6.6 6.5 6.4	2.6 2.7 2.9	2.4 3.5 2.7
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	IS10(N) IS10(N)	16:34:47 16:34:36	5.3 9.5	Middle Bottom	2 3	2	26.23 26.25	8.07 8.07	29.06 29.17	91.00 91.00	6.4	2.9	2.4
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	IS10(N) SR3(N)	16:35:18 15:15:32	9.5 1.0	Bottom Surface	3 1	1	26.26 26.12	8.07 8.08	29.17 28.72	90.70 100.30	6.3 7.4	3.1 2.7	1.6
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR3(N) SR3(N) SR3(N)	15:15:14 15:15:06 15:15:21	1.0 2.3 2.3	Surface Bottom Bottom	3 3	2 1 2	26.12 26.10 26.10	8.08 8.07 8.08	28.72 28.77 28.75	99.50 98.00 99.00	7.3 7.1 7.3	2.7 2.8 2.7	1.1 3.1 2.2
HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR4(N3)	16:14:11 16:13:56	1.0	Surface Surface	1 1	1 2	26.17 26.17	8.07 8.06	28.52 28.52	99.00 98.50	7.3 7.3	2.0	1.9
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	SR4(N3) SR4(N3)	16:14:05 16:13:47	2.8 2.8	Bottom Bottom	3	1 2	26.16 25.67	8.06 8.05	28.58 28.60	98.20 97.40	7.2 7.2	2.3 2.4	2.2 5.0
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR5(N) SR5(N) SR5(N)	16:24:54 16:24:12 16:24:40	1.0 1.0 4.7	Surface Surface Middle	1 1 2	1 2 1	26.47 26.44 26.27	8.09 8.09 8.08	27.89 27.92 28.96	95.00 94.40 91.00	6.7 6.6 6.4	2.6 2.5 2.7	2.0 2.8 2.0
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR5(N)	16:24:00 16:24:28	4.7	Middle Bottom	2 3	2	26.26 26.25	8.08 8.07	28.96 29.22	90.80 91.10	6.3	2.8	5.7
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	SR5(N) SR10A(N)	16:23:48 17:29:40	8.3 1.0	Bottom Surface	3	2	26.23 26.37	8.08 8.09	29.22 28.80	90.80 94.40	6.3	3.1 2.0	3.2 3.9
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	SR10A(N) SR10A(N) SR10A(N)	17:28:55 17:28:37 17:29:24	1.0 6.6 6.6	Surface Middle Middle	2 2	1 2	26.40 26.20 26.21	8.10 8.09 8.08	28.80 29.89 29.85	94.30 90.50 90.10	6.6 6.3 6.3	2.0 2.4 2.4	5.3 2.0 2.9
HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	SR10A(N) SR10A(N)	17:28:25 17:29:12	12.1 12.1	Bottom Bottom	3 3	1 2	26.21 26.23	8.10 8.09	29.92 29.86	90.40	6.3	2.6 2.6	2.2
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine Fine	SR10B(N2) SR10B(N2)	17:40:42 17:41:20 17:40:29	1.0	Surface Surface Middle	1 1 2	2	26.40 26.39 26.29	8.09 8.09 8.09	28.80 28.87 29.61	92.70 93.00 90.30	6.4 6.5 6.3	2.0 2.0 2.3	1.9 2.4 4.1
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	17:41:08 17:40:19	3.7 3.7 6.3	Middle Middle Bottom	2 2	2	26.28 26.25	8.08 8.08	29.60 29.78	90.30 90.10	6.3	2.3 2.3 2.5	5.6 2.3
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27 3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	SR10B(N2) CS2(A)	17:40:55 15:27:40	6.3 1.0	Bottom Surface	3	2	26.28 26.41	8.08 8.11	29.75 28.04	90.10 97.40	6.2 6.8	2.5 2.4	3.6 2.6
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS2(A) CS2(A) CS2(A)	15:27:08 15:27:29 15:26:55	1.0 3.4 3.4	Surface Middle Middle	2 2	2 1 2	26.38 26.26 26.24	8.10 8.09 8.10	28.13 29.12 29.10	97.60 93.50 93.40	6.8 6.5 6.5	2.5 2.8 2.9	2.8 1.7 2.0
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	CS2(A) CS2(A)	15:26:44 15:27:20	5.7	Bottom	3 3	1 2	26.22 26.25	8.10 8.09	29.37 29.34	92.60 93.20	6.5	3.2 3.2	2.5 2.5
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27 3 2024-11-27	Mid-Flood Mid-Flood	Fine Fine	CS(Mf)5 CS(Mf)5	17:06:19 17:05:41	1	Surface Surface	1	1 2	26.20 26.20	8.10 8.08	28.72 28.72	95.20 94.90	7.0 7.0	2.2 2.1	1.7 3.1
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-27	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	17:06:05 17:05:27 17:05:56	6.3 6.3 11.5	Middle Middle Bottom	2 2 3	1 2 1	25.93 25.94 25.95	8.02 8.02 8.03	29.50 29.51 29.25	92.50 92.90 92.00	6.8 6.8	2.3 2.3 2.4	3.3 4.0 2.6
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-27 3 2024-11-29	Mid-Flood Mid-Ebb	Fine Fine	CS(Mf)5 IS5	17:05:17 12:13:33	11.5 1	Bottom Surface	3 1	2	25.94 25.78	8.02 8.09	29.52 29.53	92.10 95.10	6.8 6.8	2.4 2.7	3.1 1.9
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	ISS ISS	12:12:48	4.2	Surface Middle	2	1	25.80 25.63	8.10 8.07	29.53 29.99	96.50 92.60	6.9 6.6	2.7 2.9	1.8 1.9
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	ISS ISS	12:13:20 12:13:03 12:12:25	7.4 7.4	Middle Bottom Bottom	3 3	2 1 2	25.62 25.58 25.62	8.06 8.06 8.06	29.99 30.07 30.07	93.10 92.10 91.80	6.6 6.6 6.5	2.9 3.1 3.1	2.1 2.0 1.9
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS(Mf)6	12:03:42 12:03:24	1.0 1.0	Surface Surface	1	1 2	25.82 25.82	8.10 8.10	29.52 29.53	97.20 96.80	6.9 6.9	2.6 2.6	1.9 2.1
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)6 IS(Mf)6	12:03:11	2.3	Bottom	3	2	25.79 25.80	8.09 8.10	29.63 29.60	96.70 96.50	6.8	2.9 2.9	2.0 1.8
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS7 IS7 IS7	11:54:35 11:54:20 11:54:27	1.0 1.0 2.3	Surface Surface Bottom	1 1 3	1 2 1	25.82 25.81 25.79	8.10 8.10 8.09	29.52 29.53 29.59	96.80 96.50 96.50	6.9 6.8 6.8	2.5 2.5 2.8	1.7 1.9 2.2
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	IS7 IS8(N)	11:54:11 11:20:44	2.3	Bottom Surface	3	2	25.78 25.81	8.09 8.08	29.62 29.51	96.30 97.00	6.8 6.9	2.7 2.5	2.0 1.9
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS8(N) IS8(N) IS8(N)	11:21:25 11:20:51 11:20:34	3.0 3.0	Surface Bottom Bottom	3 3	2 1 2	25.79 25.76 25.75	8.08 8.07 8.08	29.52 29.72 29.74	98.00 96.40 95.90	7.0 6.8 6.8	2.5 2.7 2.8	2.0 1.5 1.6
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	11:45:12 11:44:56	1.0	Surface Surface	1 1	1 2	25.83 25.83	8.10 8.10	29.50 29.52	96.60 96.40	6.9	2.5 2.5	1.8
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	IS(Mf)9 IS(Mf)9	11:45:02 11:44:46	2.5 2.5	Bottom Bottom	3	2	25.80 25.76	8.08 8.08	29.63 29.63	96.00 95.70	6.8	2.9 2.9	2.3 1.9
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	IS10(N) IS10(N) IS10(N)	11:36:27 11:37:08 11:36:52	1.0 1.0 5.4	Surface Surface Middle	1 1 2	2	25.74 25.75 25.66	8.08 8.09 8.06	29.29 29.32 29.97	94.70 94.90 92.00	6.8 6.8 6.6	2.6 2.6 3.0	1.7 2.3 2.2
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) IS10(N)	11:36:12 11:36:41	5.4 9.8	Middle Bottom	2 3	2	25.66 25.68	8.07 8.06	29.95 30.01	92.20 92.00	6.6 6.6	3.0 3.3	1.7 2.1
HKLR HY/2011/03	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine	IS10(N) SR3(N)	11:36:02 12:25:48	9.8	Bottom Surface	3	1	25.67 25.80	8.07 8.10	30.02 29.62	92.00 95.00	6.6	3.3 2.8	1.9
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine Fine	SR3(N) SR3(N) SR3(N)	12:26:03 12:25:55 12:25:39	1.0 2.3 2.3	Surface Bottom Bottom	3 3	2 1 2	25.81 25.79 25.76	8.10 8.10 8.09	29.61 29.69 29.71	95.90 95.00 94.10	6.8 6.7	2.7 3.1 3.2	1.9 1.7 1.5
HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	SR4(N3) SR4(N3)	11:30:00 11:29:40	1.0 1.0	Surface Surface	1 1	1 2	25.82 25.79	8.08 8.08	29.52 29.52	96.00 96.30	6.8 6.8	2.3 2.3	1.5 1.6
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR4(N3) SR4(N3) SR5(N)	11:29:50 11:29:28 11:47:59	2.9 2.9 1.0	Bottom Bottom Surface	3 3 1	1 2 1	25.75 25.73 25.73	8.06 8.07 8.08	29.71 29.75 29.34	95.80 96.10 92.80	6.8 6.8 6.6	2.6 2.5 2.7	1.6 1.6 2.0
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	11:47:15 11:47:44	1.0	Surface Middle	1 2	2	25.74 25.67	8.08 8.06	29.34 29.92	92.90 91.10	6.7	2.6 2.9	1.8
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	SR5(N) SR5(N)	11:47:03 11:47:34	4.6 8.2	Middle Bottom	2 3	2	25.68 25.67	8.06 8.05	29.92 30.04	91.30 91.20	6.5 6.5	3.0 3.3	1.8 1.8
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR5(N) SR10A(N) SR10A(N)	11:46:51 10:41:37 10:40:54	8.2 1.0 1.0	Surface Surface	3 1 1	1 2	25.65 25.82 25.84	8.06 8.06	30.06 29.64 29.61	91.50 92.00 92.30	6.5 6.6 6.6	3.2 2.2 2.3	2.0 2.1 1.7
HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	10:40:36 10:41:21	6.5	Middle Middle	2 2	1 2	25.71 25.70	8.04 8.04	30.29 30.29	90.30 89.70	6.4	2.4 2.4	1.8
HKLR HY/2011/03	3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	SR10A(N) SR10A(N)	10:41:10	12.0	Bottom	3	2	25.74 25.72	8.04 8.04	30.39 30.37	90.10	6.4	2.8	1.8
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) SR10B(N2) SR10B(N2)	10:30:35 10:29:55 10:29:38	1.0 1.0 3.7	Surface Surface Middle	1 1 2	1 2 1	25.85 25.85 25.76	8.05 8.04 8.03	29.64 29.63 30.14	96.80 96.80 93.40	6.9 6.9 6.7	2.4 2.4 2.6	1.1 1.6 1.2
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	SR10B(N2) SR10B(N2)	10:30:21 10:29:26	3.7 6.4	Middle Bottom	2 3	2	25.77 25.60	8.04 8.02	30.08 30.32	91.80 91.50	6.5 6.5	2.6 2.8	1.8 1.9
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	SR10B(N2) CS2(A) CS2(A)	10:30:10 12:40:04 12:39:28	6.4 1.0 1.0	Surface Surface	3 1 1	2 1 2	25.75 25.70 25.70	8.04 8.09 8.10	30.31 29.28 29.32	91.40 94.40 94.30	6.5 6.8 6.8	2.8 2.9 2.9	1.9 2.2 1.9
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	12:39:52 12:39:16	3.3 3.3	Middle Middle	2 2	1 2	25.65 25.66	8.09 8.10	29.81 29.80	92.60 92.20	6.6 6.6	3.1 3.2	1.8
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	CS2(A) CS2(A)	12:39:41	5.6 5.6	Bottom Bottom	3 3 1	2	25.65 25.64 25.82	8.09 8.09	30.00 30.00	91.80 91.90	6.6 6.6	3.6 3.4	1.9 1.8
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Ebb Mid-Ebb Mid-Ebb	Fine Fine Fine	CS(Mf)5 CS(Mf)5 CS(Mf)5	10:39:03 10:39:48 10:38:48	1.0 1.0 6.2	Surface Surface Middle	1 2	1 2 1	25.82 25.83 25.65	8.07 8.07 8.04	29.63 29.62 30.15	96.70 96.80 94.80	6.9 6.9 6.7	2.6 2.4 2.8	1.6 1.8 1.7
HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29 3 2024-11-29	Mid-Ebb Mid-Ebb	Fine Fine	CS(Mf)5 CS(Mf)5	10:39:31 10:38:38	6.2 11.4	Middle Bottom	2	2	25.64 25.66	8.05 8.04	30.16 30.15	94.30 93.80	6.7 6.7	2.8 2.9	1.6 1.2
HKLR HY/2011/03 HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29	Mid-Flood Mid-Flood	Fine Fine Fine	CS(Mf)5 IS5 IS5	10:39:19 16:04:38 16:05:15	11.4 1.0 1.0	Surface Surface	3 1	2 1 2	25.64 25.95 25.96	8.05 8.08 8.07	30.19 29.33 29.32	93.30 97.40 97.70	7.0 7.1	3.0 2.8 2.9	1.5 2.6 1.6
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	16:04:25 16:05:02	4.2 4.2	Middle Middle	2 2	1 2	25.82 25.82	8.06 8.06	29.75 29.74	96.30 96.40	7.0 7.0	3.2 3.2	1.6
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Flood Mid-Flood	Fine Fine	ISS ISS	16:04:17 16:04:52	7.4 7.4	Bottom Bottom	3	1 2	25.81 25.82	8.05 8.06	29.80 29.78	96.00 96.20	6.9 7.0	3.2 3.3	1.7
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)6 IS(Mf)6 IS(Mf)6	16:14:37 16:14:19 16:14:28	1.0 1.0 2.2	Surface Surface Bottom	1 1 3	1 2 1	25.98 25.98 25.96	8.08 8.08 8.08	29.32 29.30 29.39	100.70 99.80 99.00	7.3 7.2 7.2	3.0 2.9 3.4	1.7 2.5 1.4
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Flood Mid-Flood	Fine Fine	IS(Mf)6 IS7	16:14:09 16:24:09	2.2 1.0	Bottom Surface	3 1	2	25.93 25.99	8.09 8.08	29.39 29.34	97.90 99.70	7.1 7.2	3.5 2.5	1.6 1.6
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Flood Mid-Flood	Fine Fine Fine	IS7 IS7 IS7	16:23:52 16:23:59	1.0 2.3	Surface Bottom	3 3	2 1 2	25.98 25.96 25.93	8.09 8.09	29.35 29.41	99.40 99.00	7.2 7.1	2.7 2.9 2.9	1.4 1.0 1.7
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS8(N) IS8(N)	16:23:44 16:57:08 16:57:26	2.3 1.0 1.0	Surface Surface	1 1	1 2	25.99 25.99 26.00	8.09 8.06 8.07	29.44 29.31 29.29	98.70 97.40 97.90	7.1 7.0 7.1	2.9 2.9 2.7	1.7 1.0 1.5
HKLR HY/2011/03 HKLR HY/2011/03	3 2024-11-29 3 2024-11-29	Mid-Flood Mid-Flood	Fine Fine	IS8(N) IS8(N)	16:57:17 16:56:58	2.9 2.9	Bottom Bottom	3 3	1 2	25.96 25.93	8.05 8.05	29.39 29.43	97.40 96.90	7.0 7.0	3.1 3.2	1.3 1.5
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Flood Mid-Flood Mid-Flood	Fine Fine Fine	IS(Mf)9 IS(Mf)9 IS(Mf)9	16:34:29 16:34:10 16:34:19	1.0 1.0 2.5	Surface Surface Bottom	1 1 3	1 2 1	25.98 25.98 25.95	8.08 8.08 8.08	29.34 29.34 29.45	99.10 98.80 98.70	7.2 7.1 7.1	2.8 2.9 3.1	1.4 1.0 1.6
HKLR HY/2011/0: HKLR HY/2011/0: HKLR HY/2011/0:	3 2024-11-29	Mid-Flood Mid-Flood Mid-Flood	Fine Fine	IS(Mf)9 IS(Mf)9 IS10(N)	16:34:19 16:34:01 17:03:09	2.5 2.5 1.0	Bottom Bottom Surface	3 3	2	25.93 25.93	8.08 8.07 8.07	29.45 29.44 29.06	98.50 94.10	7.1 7.1 6.7	3.1 3.0 2.9	1.5 1.7 1.7
HKLR HY/2011/03		Mid-Flood	Fine	IS10(N)	17:02:28	1.0	Surface	1	2	25.91	8.08	29.08	93.60	6.7	3.0	2.0

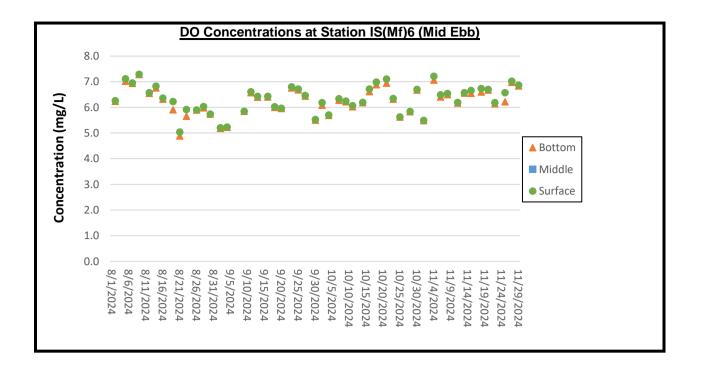
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level Code	Replicate	Temperature, °C	pН	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	IS10(N)	17:02:54	5.3	Middle	2	1	25.72	8.06	29.88	92.10	6.6	3.2	1.2
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	IS10(N)	17:02:16	5.3	Middle	2	2	25.71	8.07	29.87	92.00	6.6	3.2	1.8
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	IS10(N)	17:02:45	9.6	Bottom	3	1	25.74	8.06	29.97	91.80	6.5	3.4	1.7
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	IS10(N)	17:02:06	9.6	Bottom	3	2	25.72	8.06	29.98	92.10	6.6	3.3	1.8
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR3(N)	15:50:05	1.0	Surface	1	1	25.96	8.07	29.42	99.70	7.2	3.0	1.5
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR3(N)	15:49:48	1.0	Surface	1	2	25.96	8.07	29.41	98.70	7.1	3.0	1.9
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR3(N)	15:49:38	2.3	Bottom	3	1	25.93	8.07	29.48	97.20	7.0	3.2	1.8
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR3(N)	15:49:54	2.3	Bottom	3	2	25.94	8.07	29.46	98.10	7.1	3.1	2.1
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR4(N3)	16:48:05	1.0	Surface	1	1	25.98	8.06	29.33	97.50	7.0	2.5	1.3
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR4(N3)	16:47:48	1.0	Surface	1	2	25.99	8.06	29.31	97.20	7.0	2.6	1.4
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR4(N3)	16:47:58	2.8	Bottom	3	1	25.96	8.05	29.42	96.80	7.0	2.8	1.4
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR4(N3)	16:47:39	2.8	Bottom	3	2	25.72	8.05	29.42	96.30	6.9	2.9	1.2
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR5(N)	16:51:38	1.0	Surface	1	1	25.91	8.08	29.04	94.80	6.8	2.7	1.6
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR5(N)	16:50:57	1.0	Surface	1	2	25.87	8.09	29.07	94.20	6.7	2.7	1.6
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR5(N)	16:51:26	4.6	Middle	2	1	25.74	8.07	29.78	92.10	6.6	2.8	1.2
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR5(N)	16:50:45	4.6	Middle	2	2	25.74	8.08	29.78	91.80	6.6	2.9	1.4
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR5(N)	16:50:34	8.2	Bottom	3	1	25.71	8.08	30.03	91.70	6.5	3.3	1.1
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR5(N)	16:51:14	8.2	Bottom	3	2	25.72	8.06	30.04	92.10	6.6	3.4	1.8
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10A(N)	17:51:27	1.0	Surface	1	1	25.83	8.08	29.99	94.30	6.7	2.4	1.6
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10A(N)	17:50:40	1.0	Surface	1	2	25.86	8.09	29.98	94.30	6.7	2.4	1.6
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10A(N)	17:50:22	6.5	Middle	2	1	25.71	8.09	30.67	91.60	6.5	2.8	1.3
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10A(N)	17:51:08	6.5	Middle	2	2	25.71	8.07	30.65	90.90	6.4	2.8	1.9
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10A(N)	17:50:11	11.9	Bottom	3	1	25.72	8.09	30.69	91.40	6.5	2.9	1.8
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10A(N)	17:50:57	11.9	Bottom	3	2	25.73	8.08	30.65	91.10	6.5	2.9	2.0
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10B(N2)	18:00:55	1.0	Surface	1	1	25.85	8.08	30.00	92.50	6.6	2.3	2.0
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10B(N2)	18:01:32	1.0	Surface	1	2	25.85	8.08	30.05	92.60	6.6	2.3	1.1
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10B(N2)	18:00:43	3.7	Middle	2	1	25.77	8.08	30.47	91.00	6.5	2.7	1.6
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10B(N2)	18:01:20	3.7	Middle	2	2	25.77	8.07	30.47	91.00	6.5	2.7	1.8
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10B(N2)	18:00:33	6.4	Bottom	3	1	25.74	8.07	30.60	90.90	6.4	2.9	1.9
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	SR10B(N2)	18:01:08	6.4	Bottom	3	2	25.77	8.07	30.56	90.80	6.4	2.9	1.8
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS2(A)	15:52:49	1.0	Surface	1	1	25.77	8.08	29.27	97.70	7.0	2.7	1.6
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS2(A)	15:53:22	1.0	Surface	1	2	25.79	8.09	29.19	97.30	7.0	2.6	2.0
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS2(A)	15:52:39	3.4	Middle	2	1	25.66	8.08	29.93	94.40	6.8	3.0	2.3
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS2(A)	15:53:12	3.4	Middle	2	2	25.68	8.08	29.94	94.50	6.8	2.9	2.0
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS2(A)	15:52:28	5.7	Bottom	3	1	25.65	8.08	30.18	93.60	6.7	3.3	1.4
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS2(A)	15:53:02	5.7	Bottom	3	2	25.66	8.07	30.16	94.10	6.7	3.4	2.1
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS(Mf)5	17:43:27	1	Surface	1	1	26.02	8.08	29.55	94.40	6.8	2.5	2.0
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS(Mf)5	17:42:49	1	Surface	1	2	26.02	8.07	29.55	93.90	6.8	2.5	1.6
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS(Mf)5	17:42:34	6.3	Middle	2	1	25.74	8.02	30.25	91.90	6.6	2.7	1.5
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS(Mf)5	17:43:13	6.3	Middle	2	2	25.73	8.02	30.25	91.90	6.6	2.7	2.0
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS(Mf)5	17:43:04	11.6	Bottom	3	1	25.74	8.02	29.71	91.40	6.6	2.9	1.4
HKLR	HY/2011/03	2024-11-29	Mid-Flood	Fine	CS(Mf)5	17:42:24	11.6	Bottom	3	2	25.73	8.02	30.26	91.40	6.6	2.9	1.6



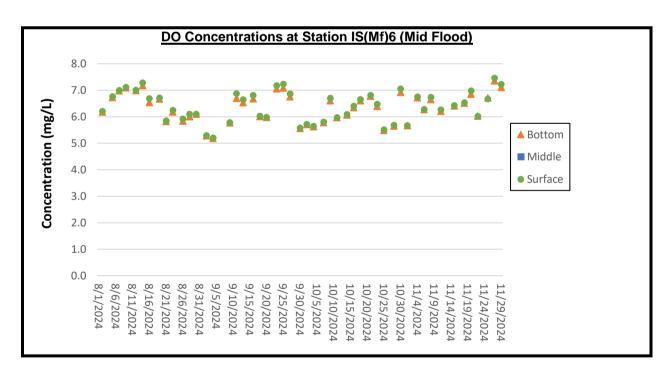
1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.



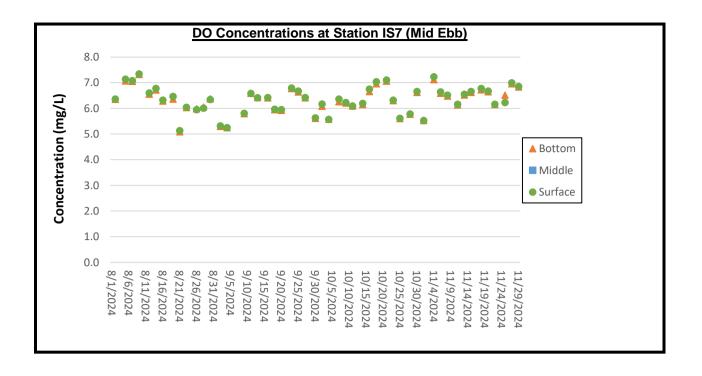
- 1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.
- 2. No. 3 Strong Wind Signal was issued at 14:40 on 13 November 2024, the water quality montoring for mid-flood tide (17:00) was cancelled due to safety reasons and no substitute monitoring to be conducted.



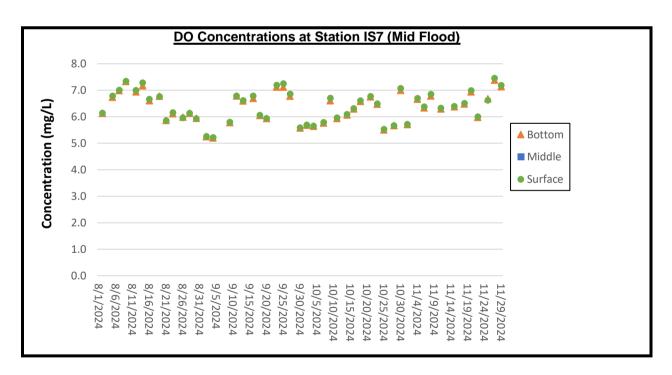
1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no substitute monitoring to be conducted.



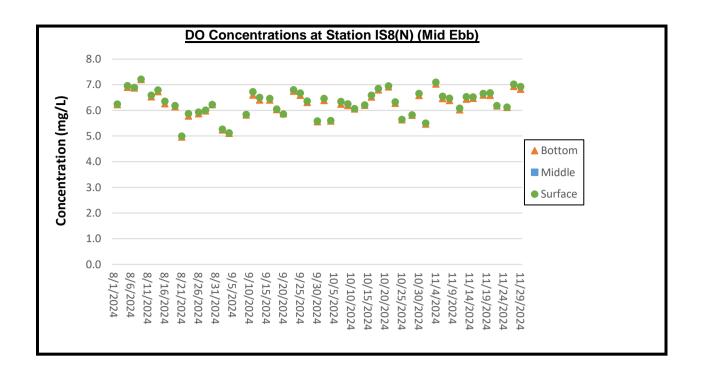
- 1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.
- 2. No. 3 Strong Wind Signal was issued at 14:40 on 13 November 2024, the water quality montoring for mid-flood tide (17:00) was cancelled due to safety reasons and no substitute monitoring to be conducted.



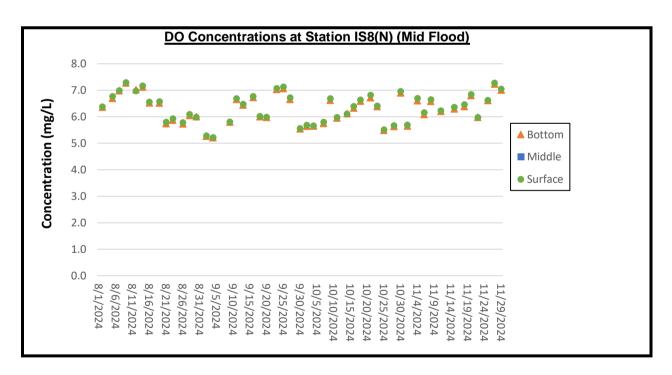
1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.



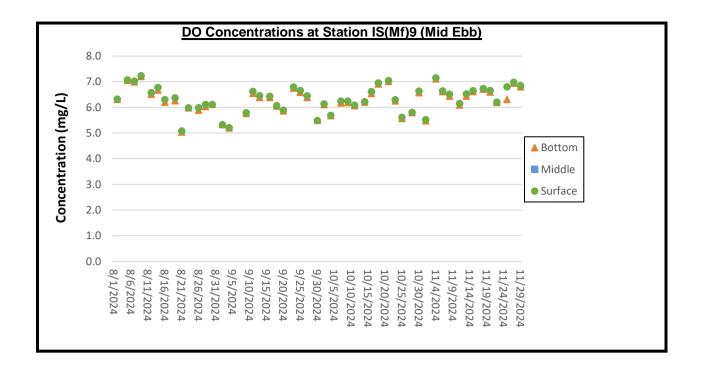
- 1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.
- 2. No. 3 Strong Wind Signal was issued at 14:40 on 13 November 2024, the water quality montoring for mid-flood tide (17:00) was cancelled due to safety reasons and no substitute monitoring to be conducted.



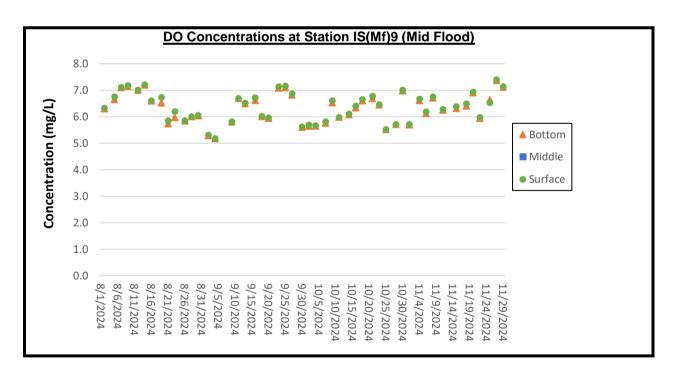
1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.



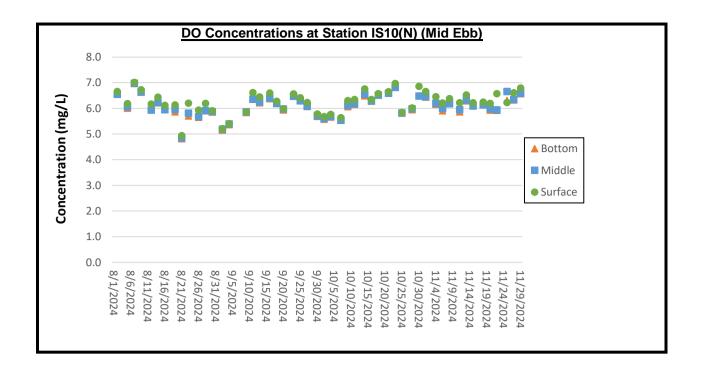
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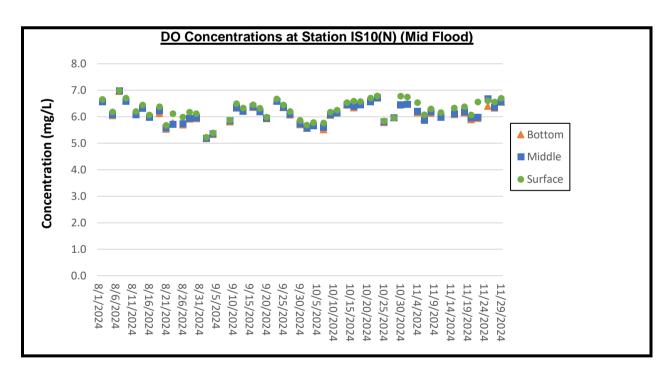
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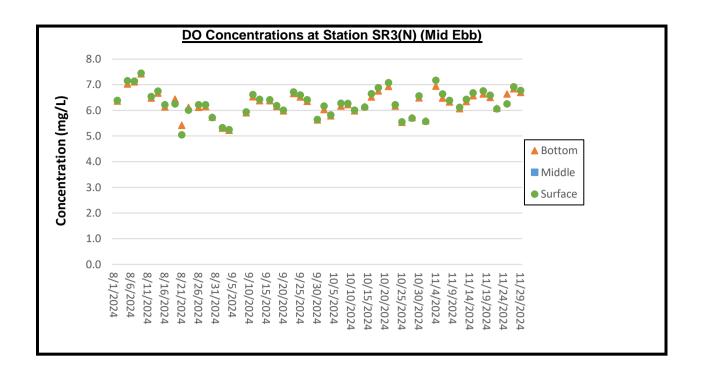
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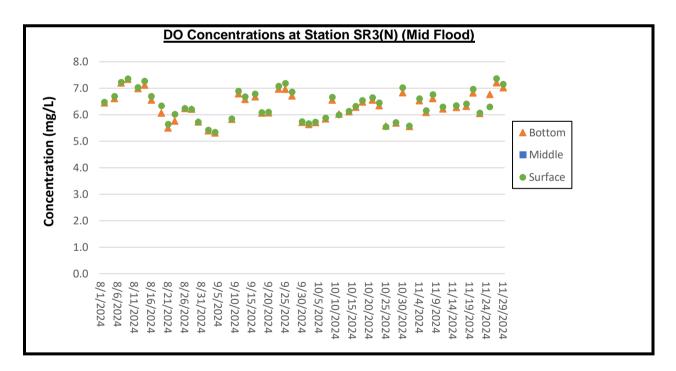
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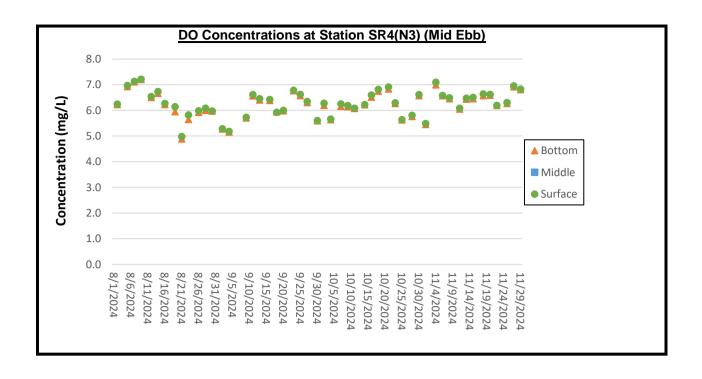
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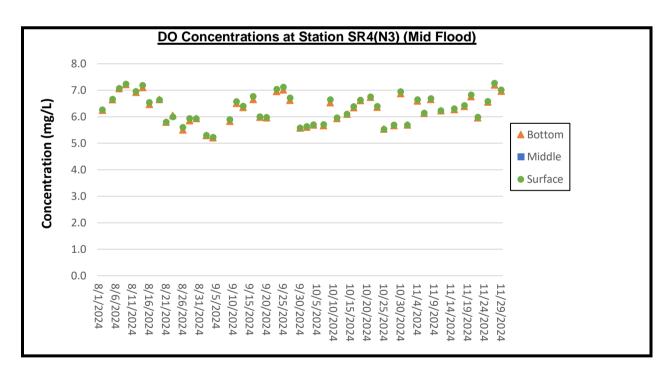
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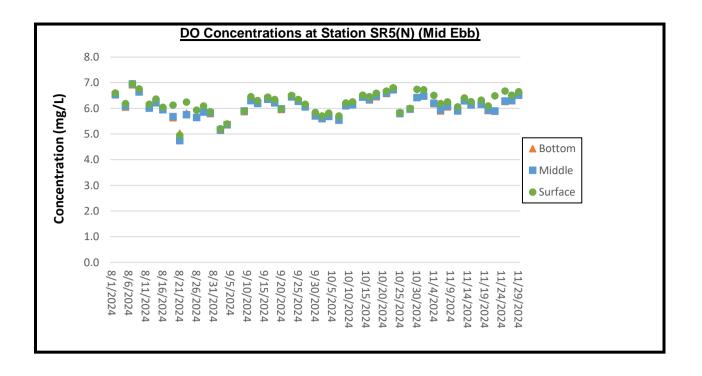
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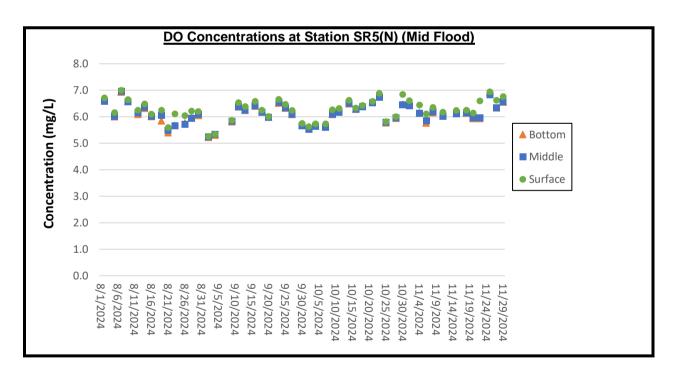
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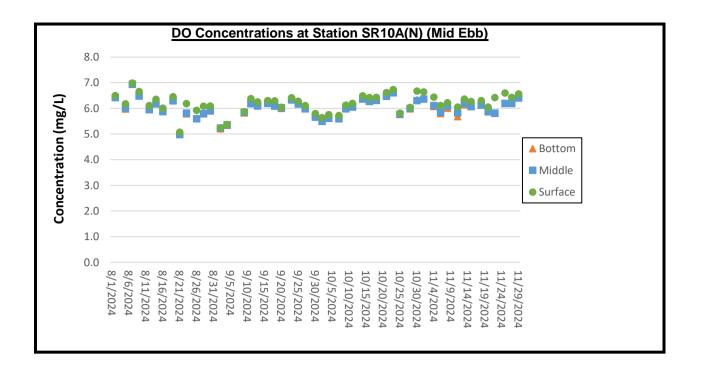
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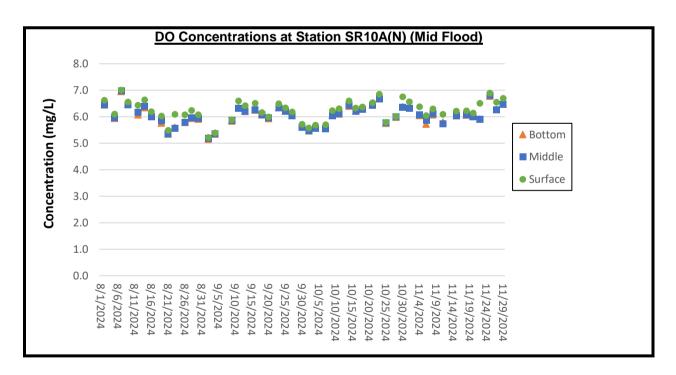
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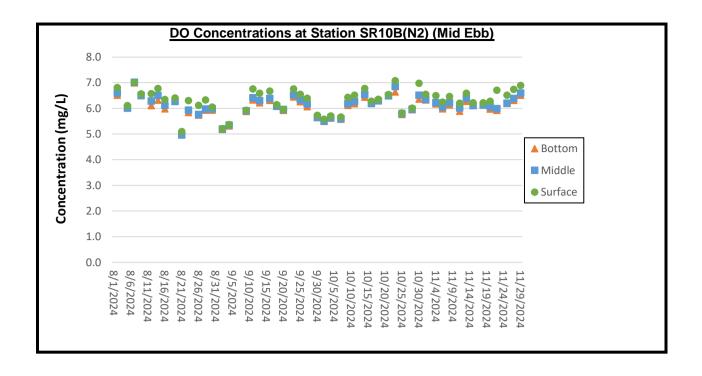
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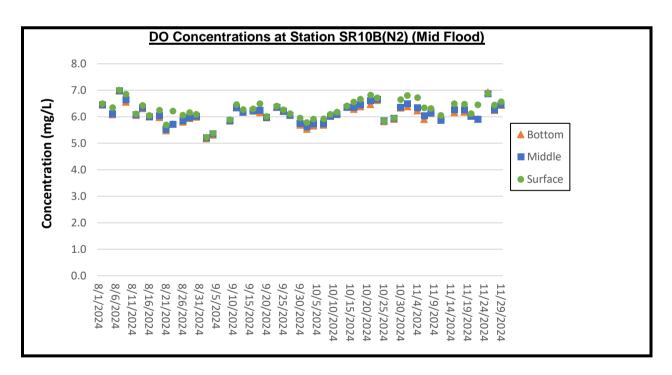
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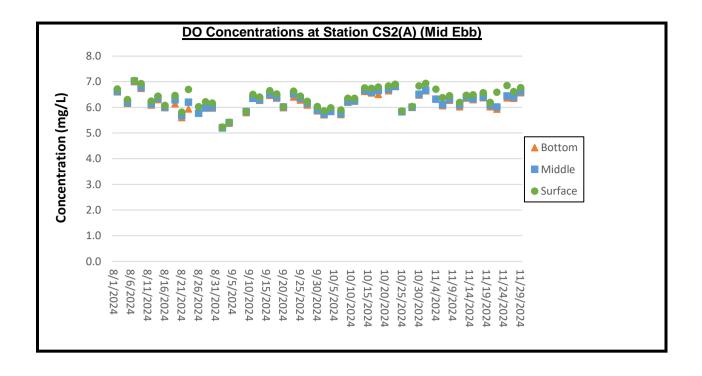
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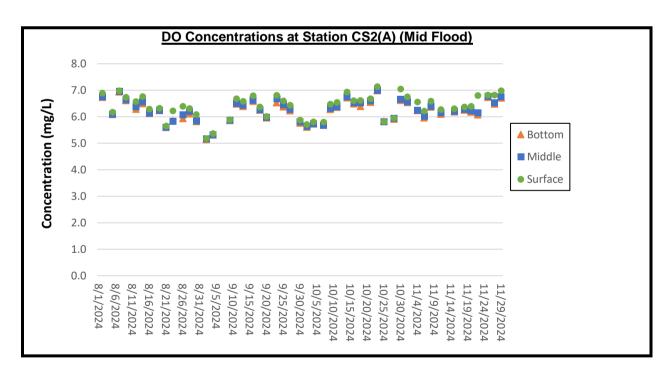
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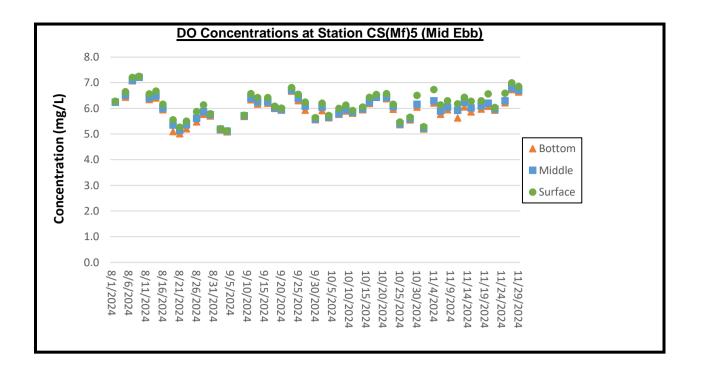
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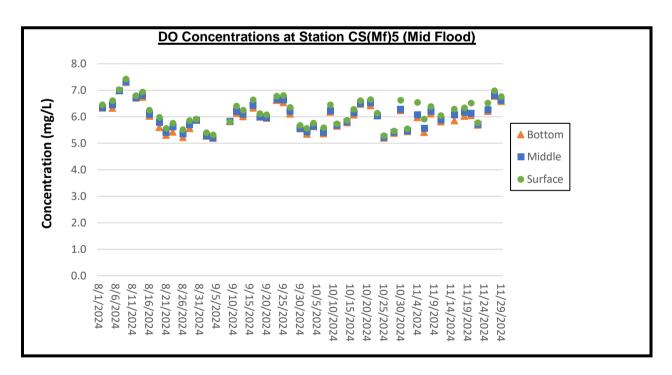
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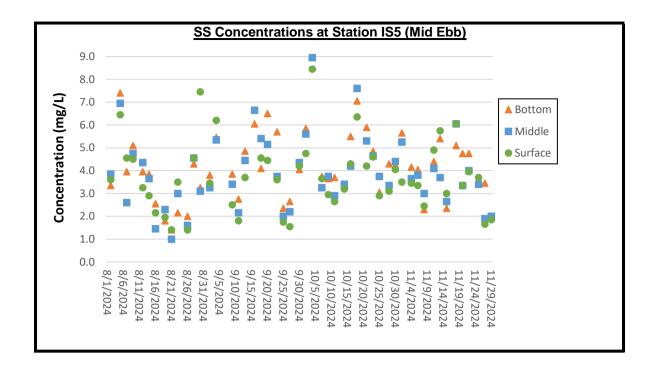
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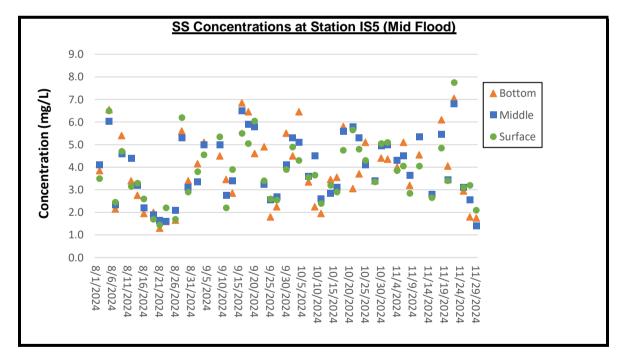
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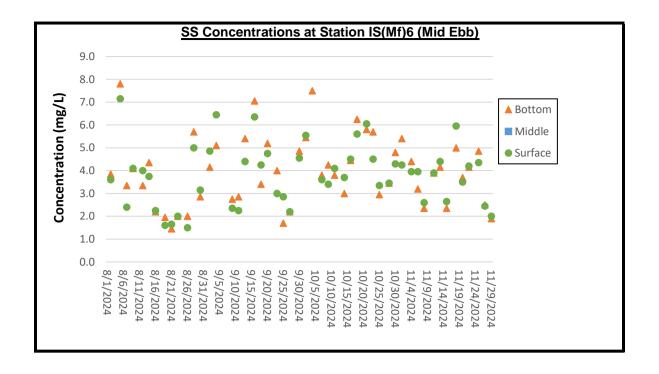
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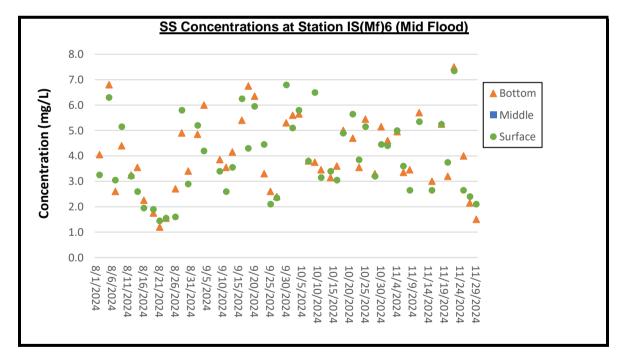
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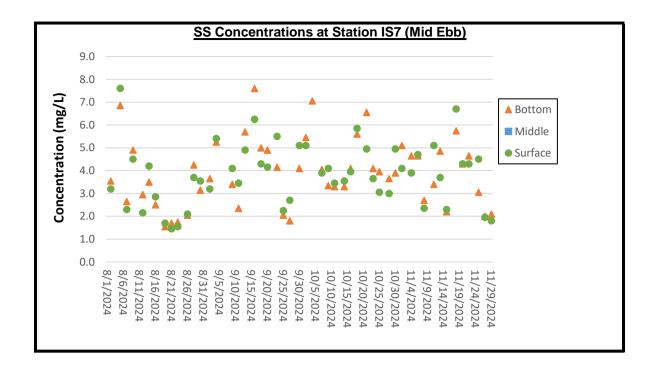
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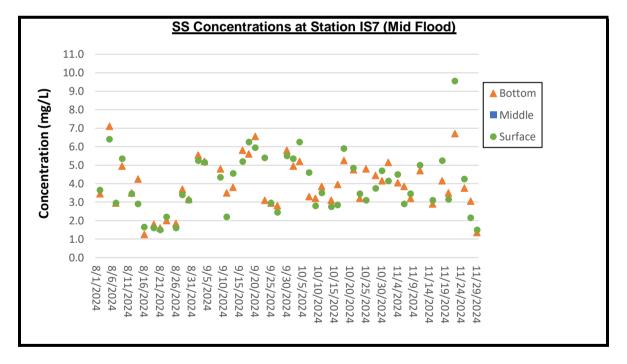
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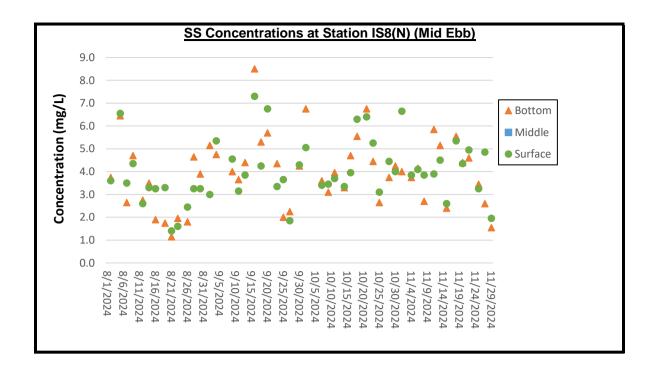
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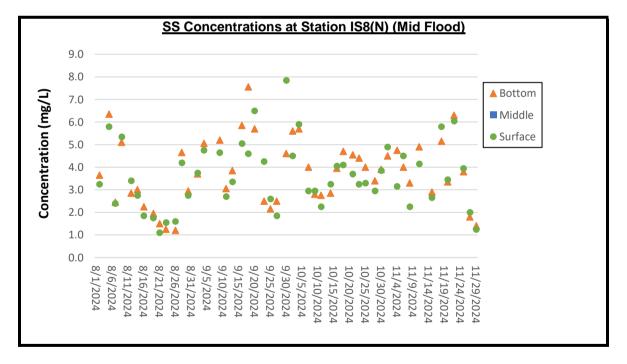
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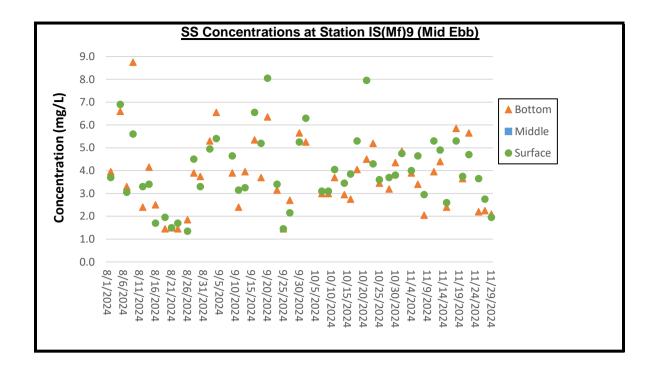
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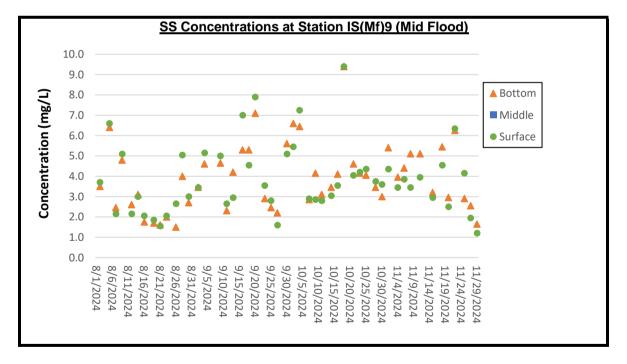
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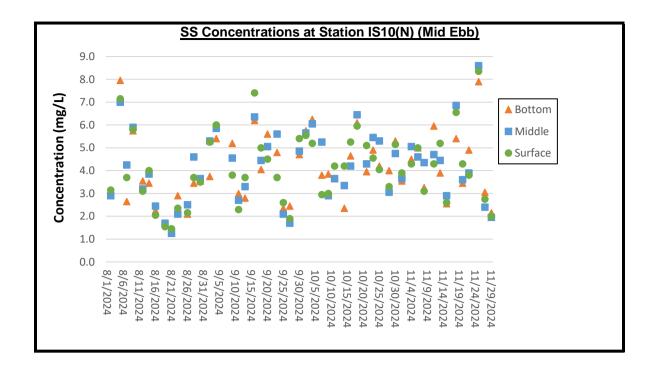
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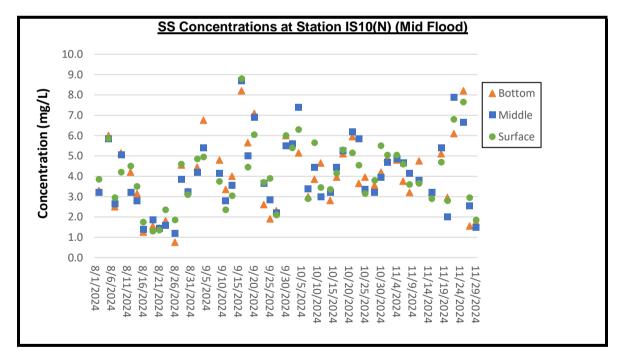
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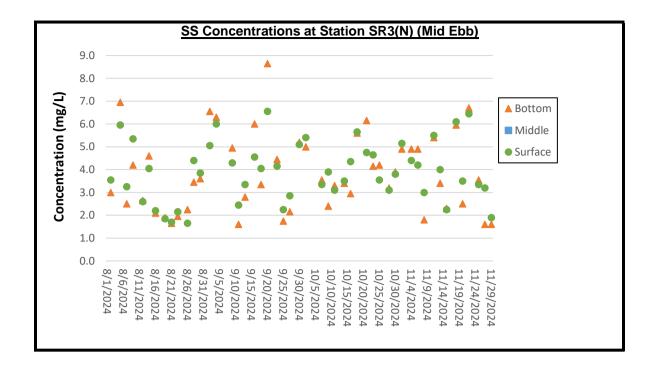
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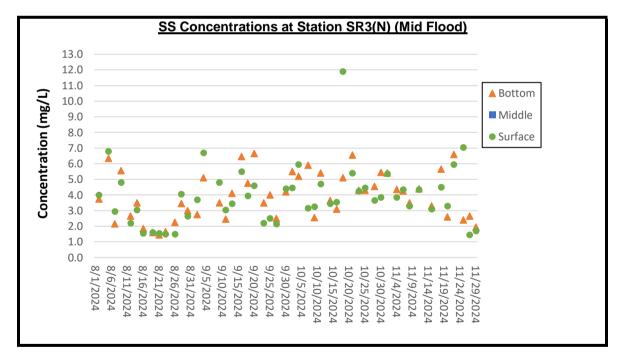
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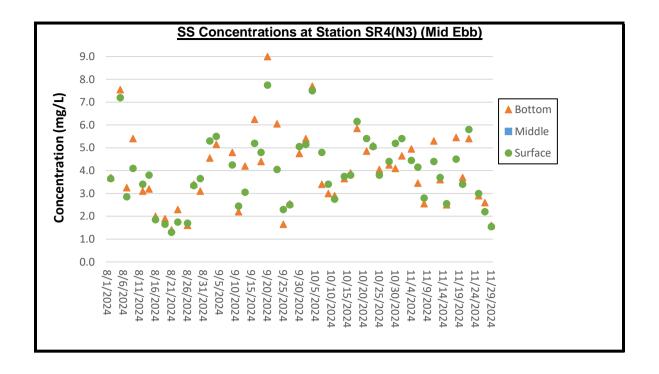
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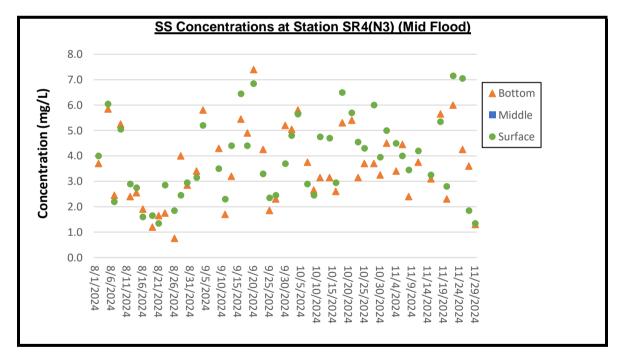
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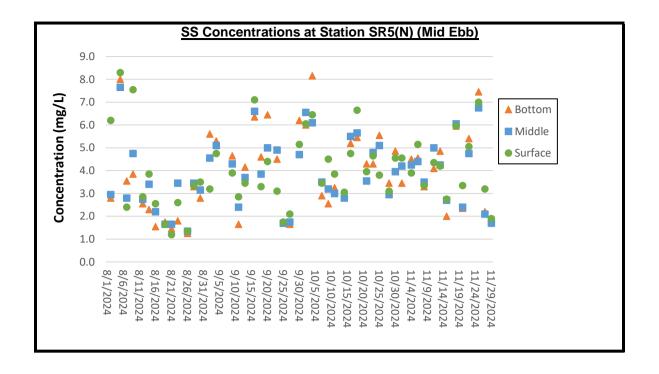
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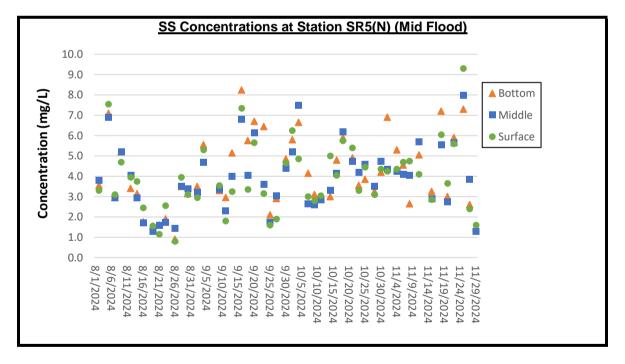
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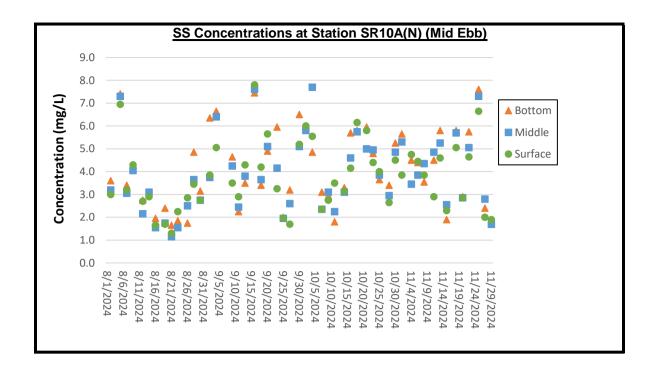
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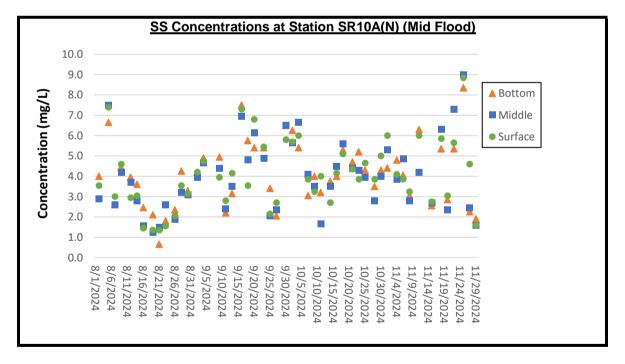
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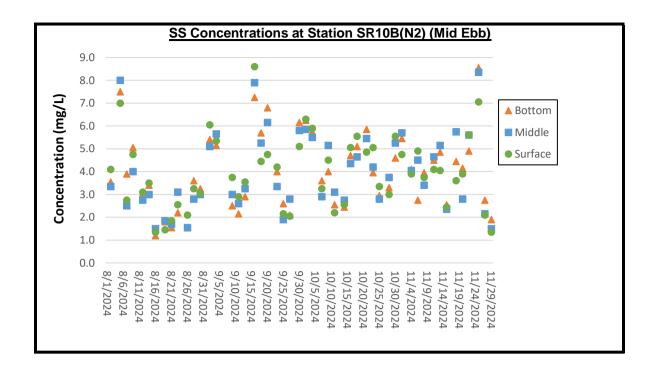
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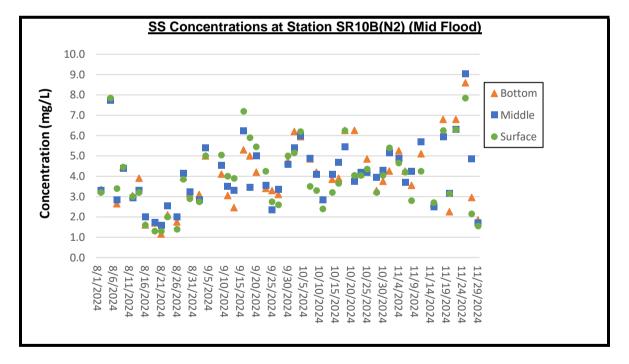
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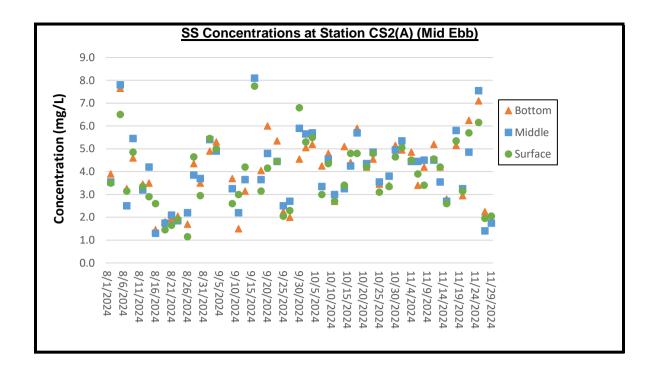
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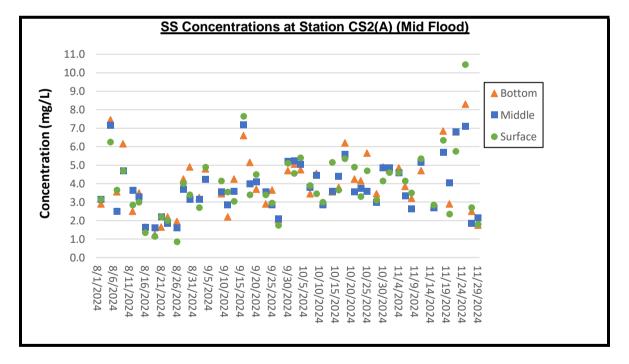
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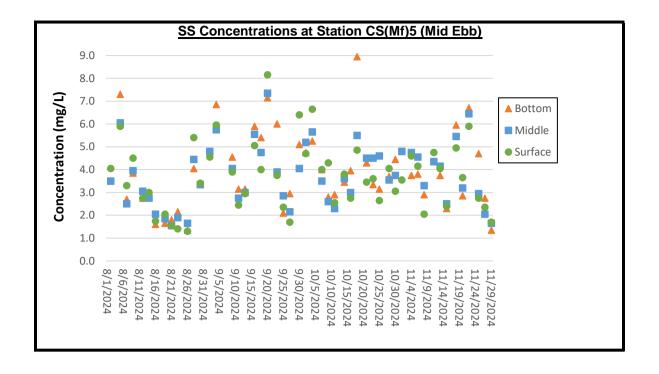
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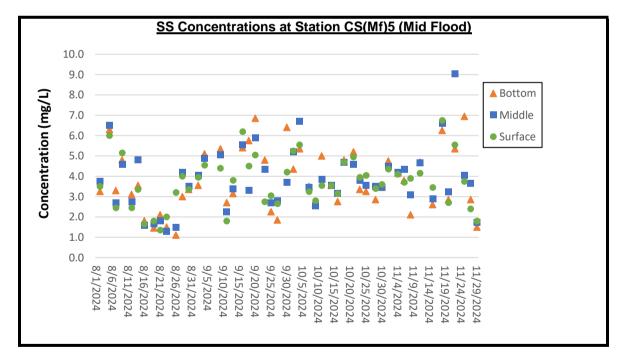
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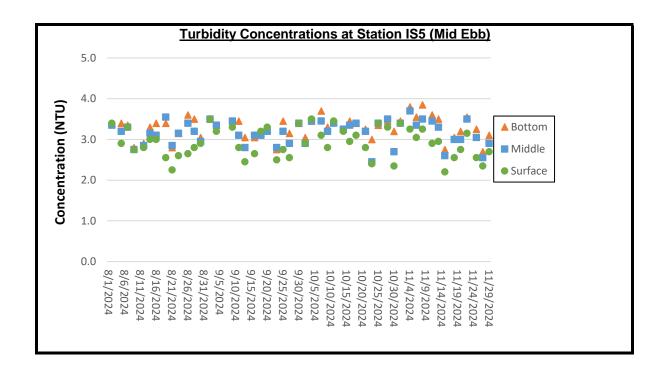
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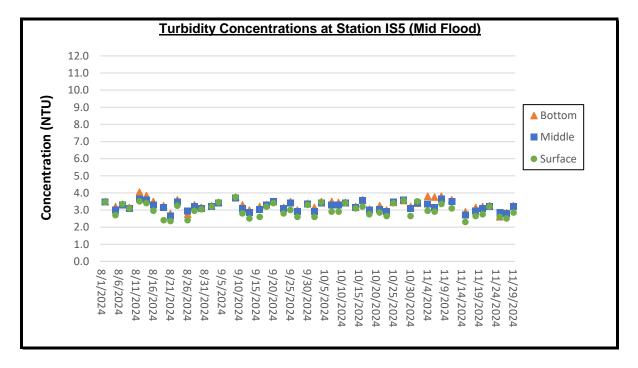
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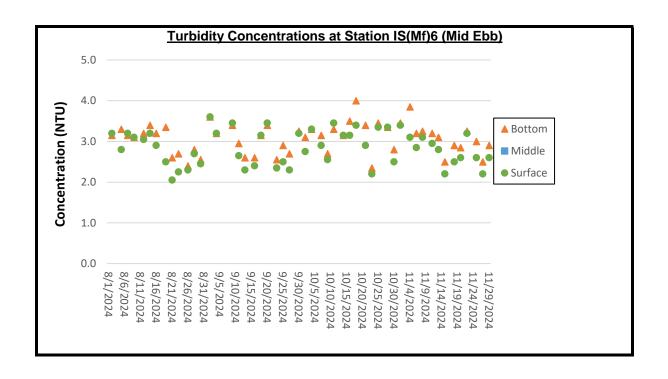
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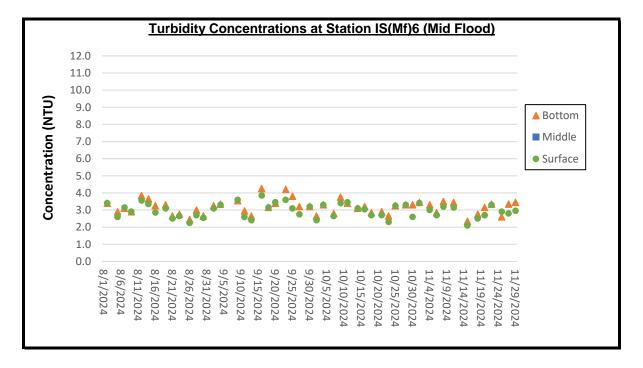
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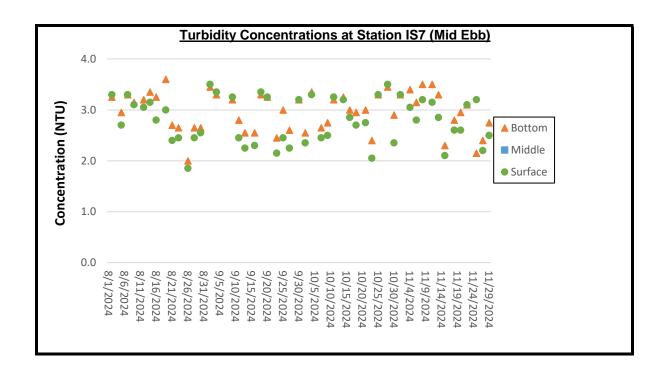
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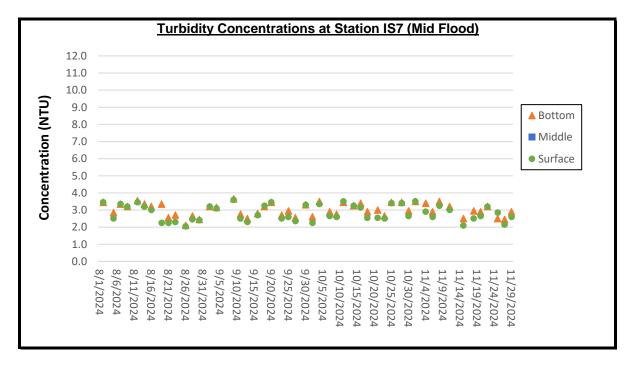
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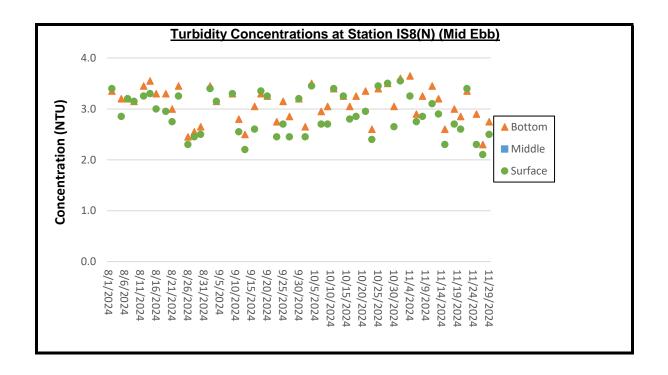
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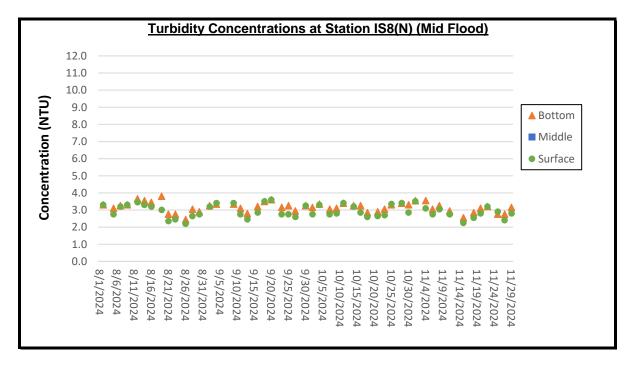
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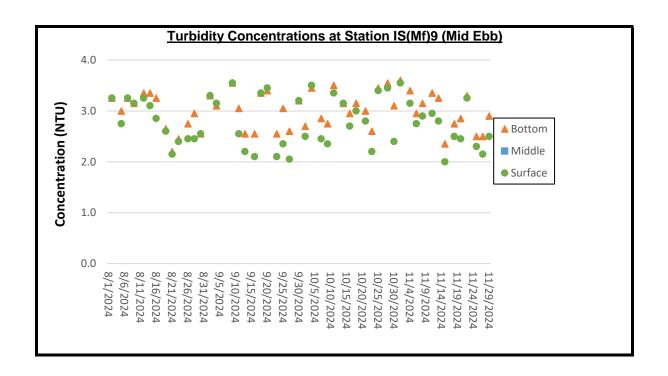
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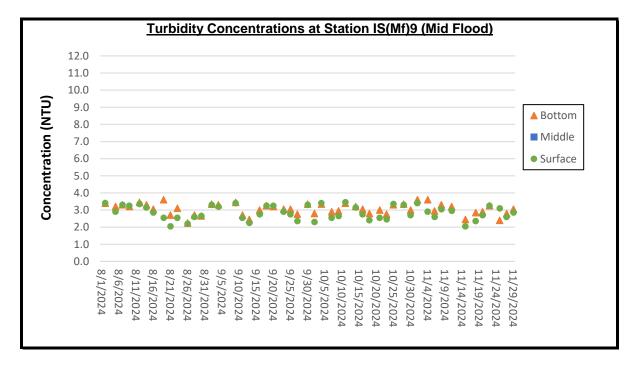
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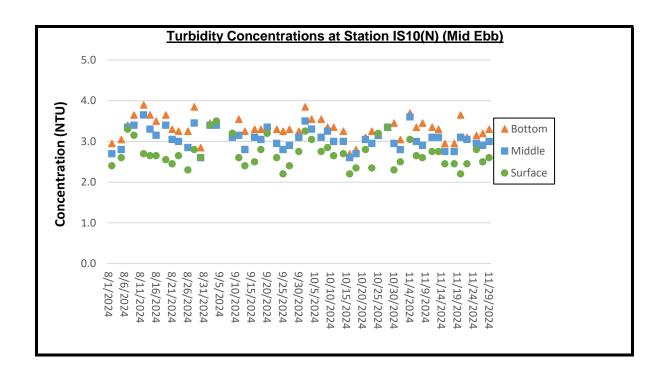
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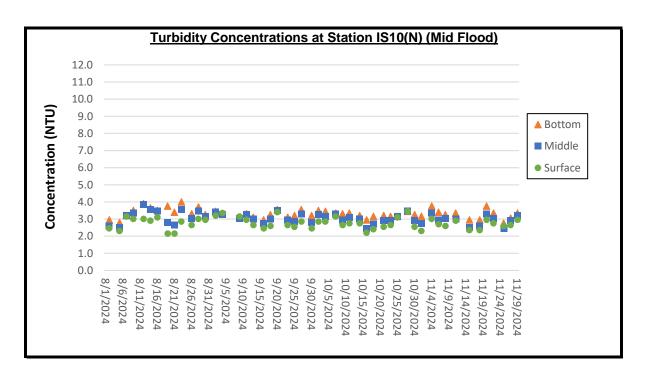
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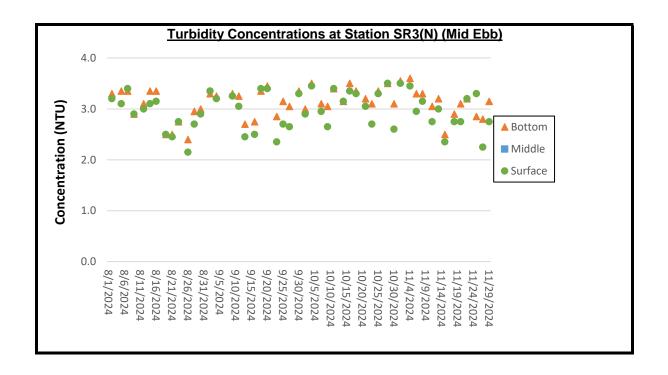
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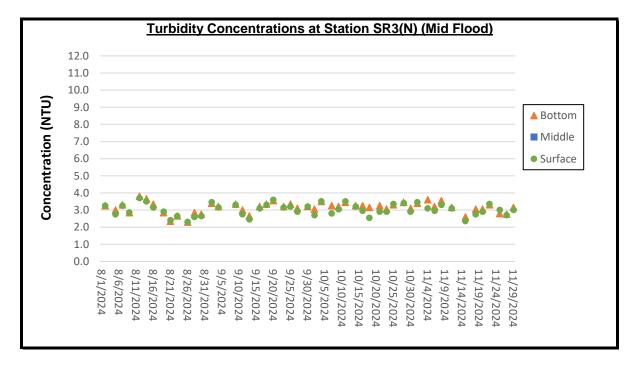
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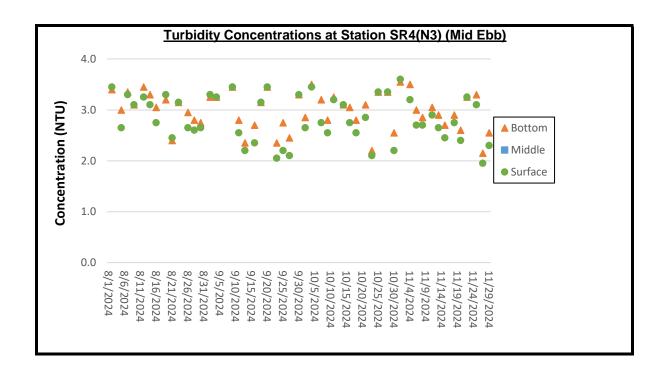
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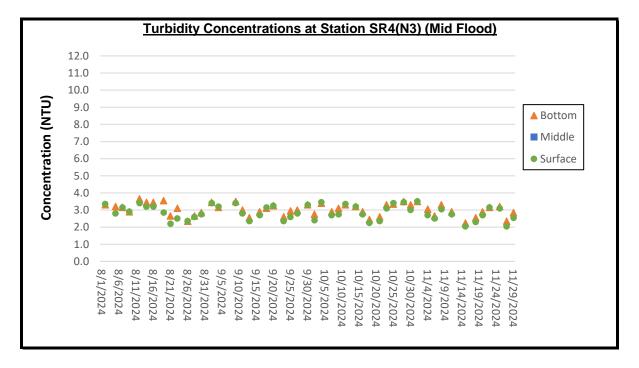
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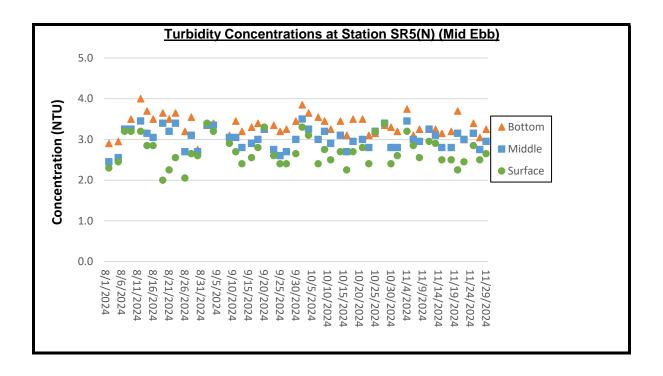
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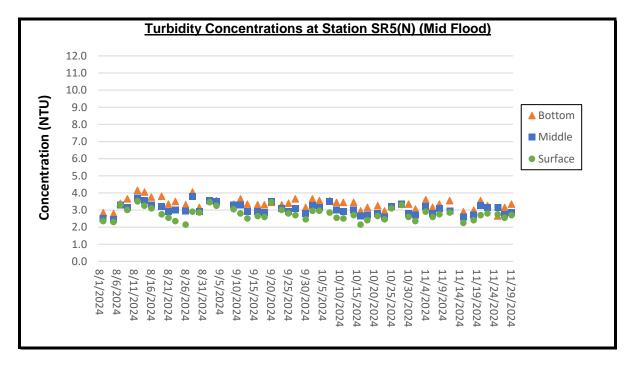
1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.



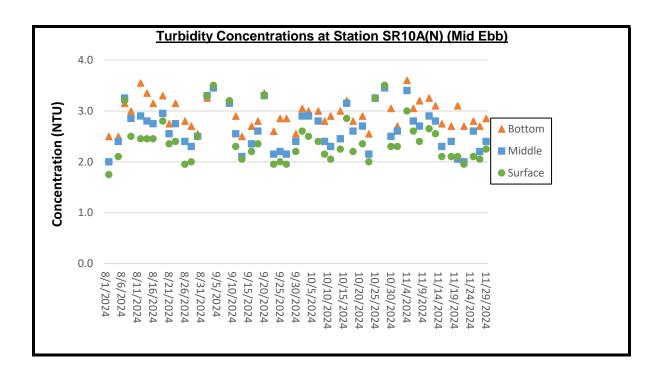
- 1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.
- 2. No. 3 Strong Wind Signal was issued at 14:40 on 13 November 2024, the water quality montoring for midflood tide (17:00) was cancelled due to safety reasons and no substitute monitoring to be conducted.



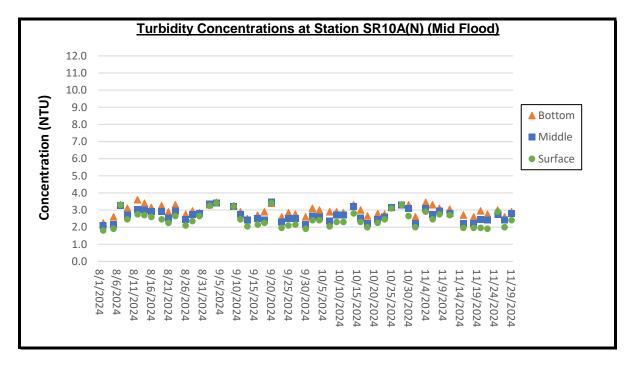
1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.



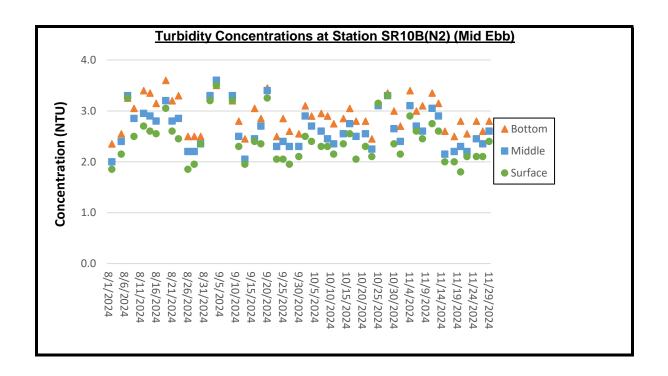
- 1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.
- 2. No. 3 Strong Wind Signal was issued at 14:40 on 13 November 2024, the water quality montoring for midflood tide (17:00) was cancelled due to safety reasons and no substitute monitoring to be conducted.



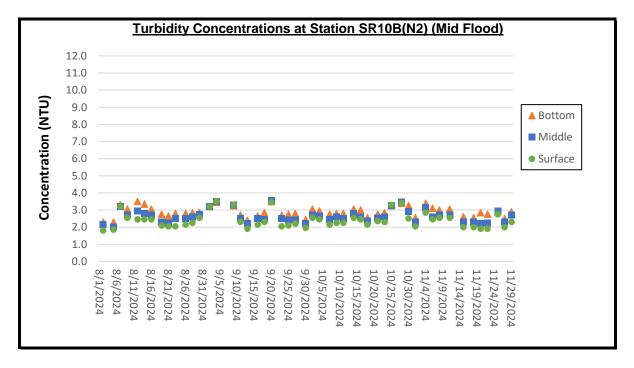
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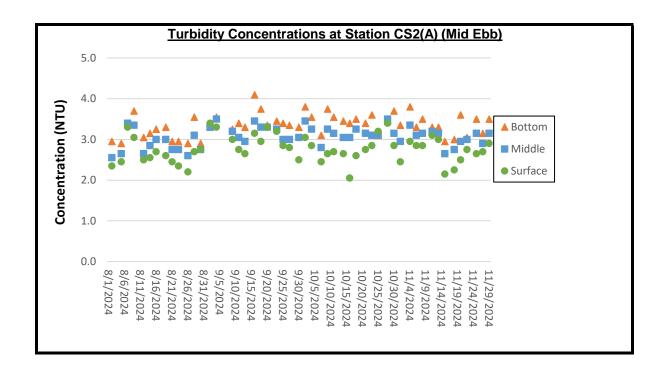
- 1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.
- 2. No. 3 Strong Wind Signal was issued at 14:40 on 13 November 2024, the water quality montoring for midflood tide (17:00) was cancelled due to safety reasons and no substitute monitoring to be conducted.



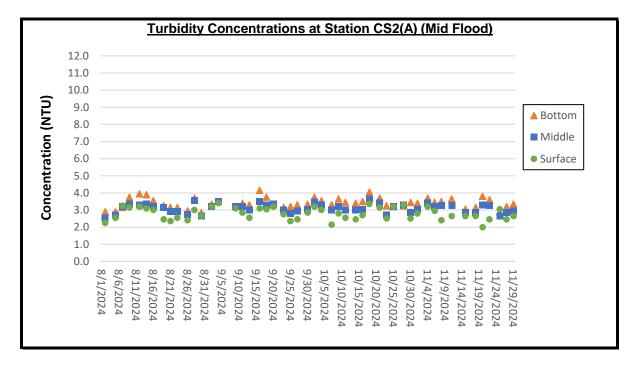
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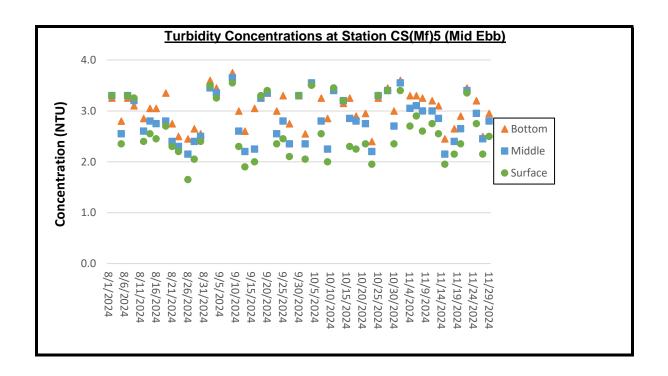
- 1. No. 8 Storm Signal was in force on 6 September 2024, the water quality monitoring was cancelled due to safety reasons and no subsitute monitoring to be conducted.
- 2. No. 3 Strong Wind Signal was issued at 14:40 on 13 November 2024, the water quality montoring for midflood tide (17:00) was cancelled due to safety reasons and no substitute monitoring to be conducted.



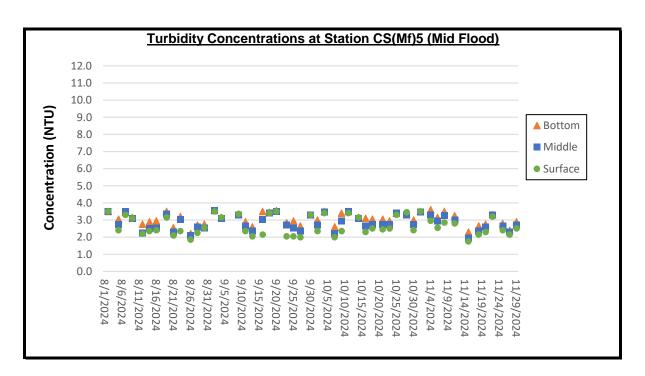
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APPENDIX F

Event and Action Plan

Event and Action Plan for Air Quality

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

Event	Action			
	ET	IEC	so	Contractor
Exceedance of Limit Level for one sample	Identify source, investigate the causes of exceedance and propose remedial measures; Inform SO, Contractor and EPD; Repeat measurement to confirm finding; Increase monitoring frequency to daily; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results.	Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise the SO on the effectiveness of the proposed remedial measures; Supervise implementation of remedial measures.	Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures properly implemented.	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.	Discuss amongst SO, ET, and Contractor on the potential remedial actions; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly; Supervise the implementation of remedial measures.	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	Identify source, investigate the causes of exceedance and propose remedial measures; Notify IEC and Contractor; Report the results of investigation to the IEC, SO and Contractor; Discuss with the Contractor and formulate remedial measures; Increase monitoring frequency to check mitigation effectiveness.	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.	Confirm receipt of notification of failure in writing; Notify Contractor; Require Contractor to propose remedial measures for the analysed noise problem; Ensure remedial measures are properly implemented	Submit noise mitigation proposals to IEC; Implement noise mitigation proposals.
Exceedance of Limit Level	 Identify source; Inform IEC, SO, EPD and Contractor; Repeat measurements to confirm findings; Increase monitoring frequency; Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; Inform IEC, SO and EPD the causes and actions taken for the exceedances; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results; If exceedance stops, cease additional monitoring. 	Discuss amongst SO, ET, and Contractor on the potential remedial actions; Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly; Supervise the implementation of remedial measures.	Confirm receipt of notification of failure in writing; Notify Contractor; Require Contractor to propose remedial measures for the analysed noise problem; Ensure remedial measures properly implemented; If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	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

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

Event		Action		
Event	ET Leader	IEC	so	Contractor
Limit level being exceeded by two or more consecutive sampling days	 Repeat measurement on next day of exceedance to confirm findings; Identify source(s) of impact; Inform IEC, contractor, SO and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, SO and Contractor; Ensure mitigation measures are implemented; 	submitted by ET and Contractor's working method; 2. Discuss with ET and Contractor on possible remedial actions; 3. Review the Contractor's mitigation	ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Ensure mitigation measures are	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

Event and Action Plan for Dolphin Monitoring

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

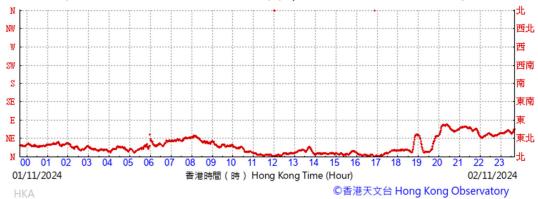


APPENDIX G

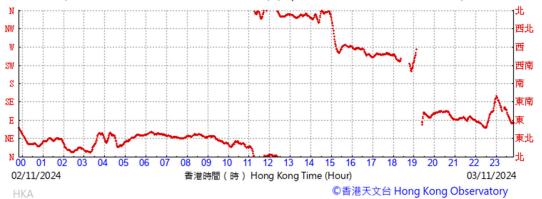
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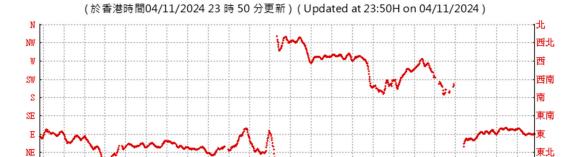


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(於香港時間03/11/2024 23 時 50 分更新) (Updated at 23:50H on 03/11/2024)





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香港時間 (時) Hong Kong Time (Hour)

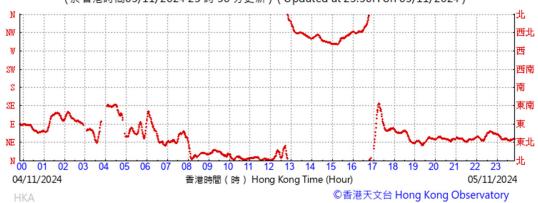
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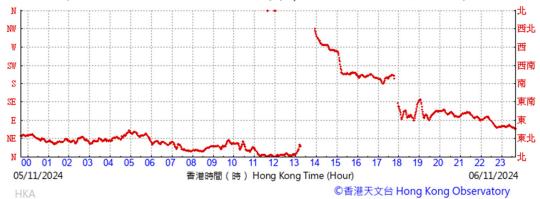
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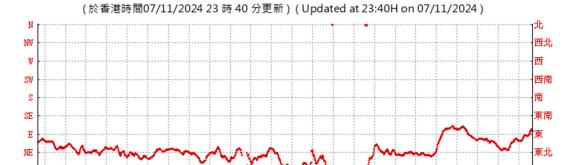
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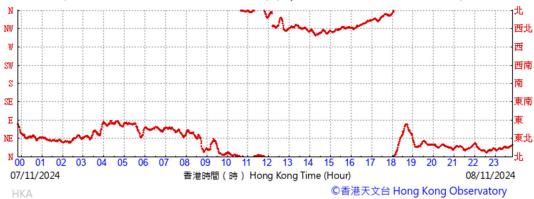
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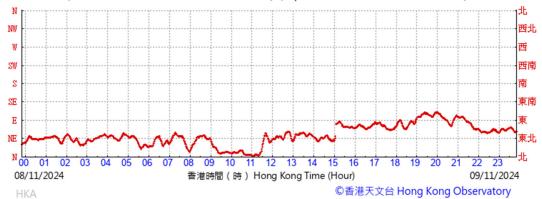
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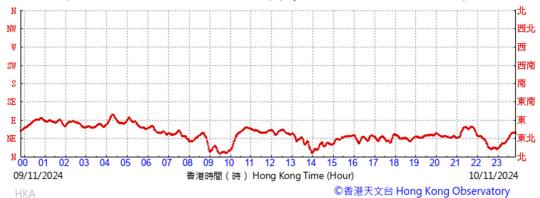
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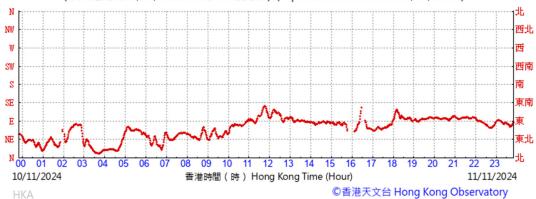
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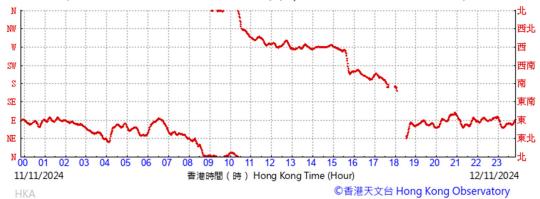


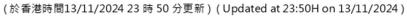


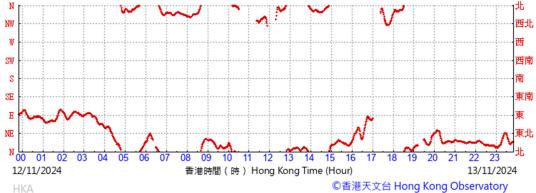
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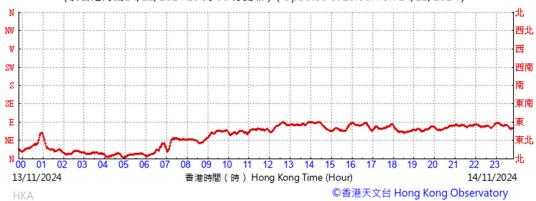
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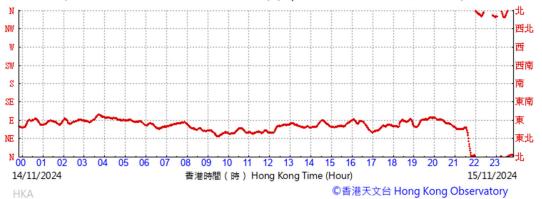




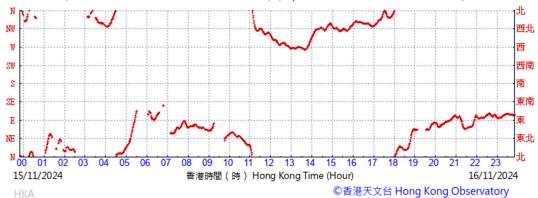
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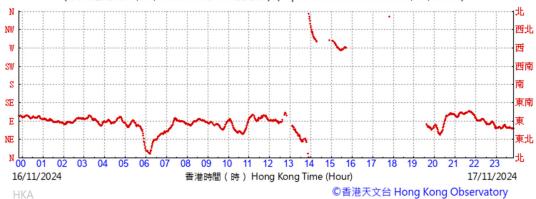
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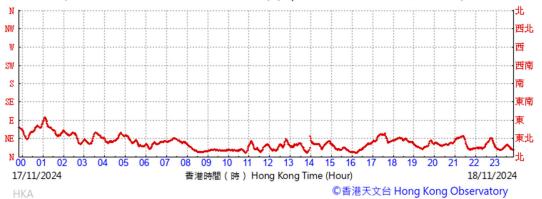




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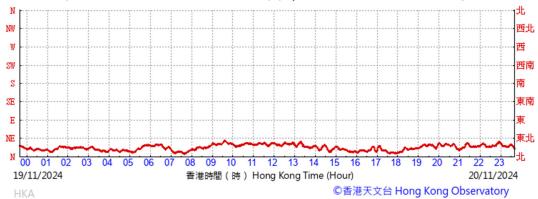


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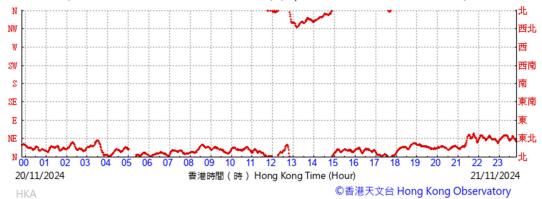




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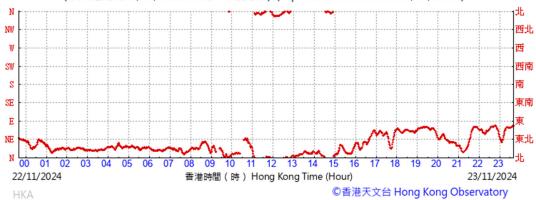
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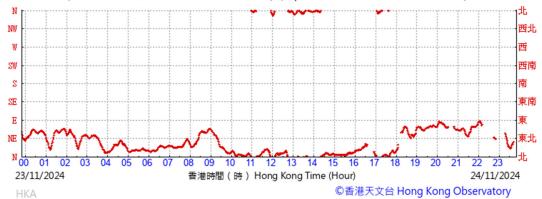


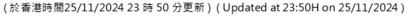


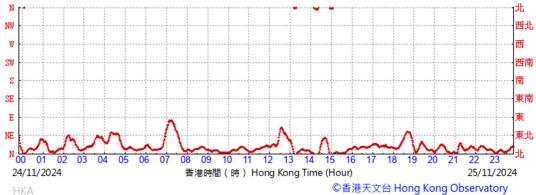
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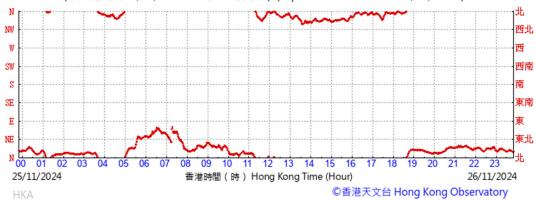
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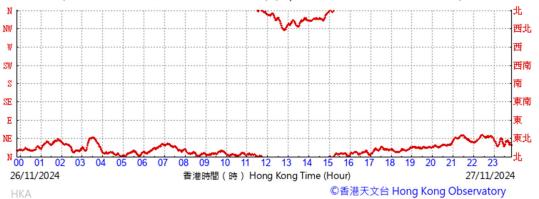




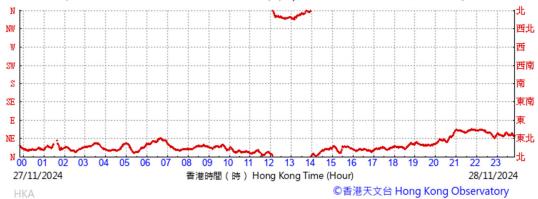
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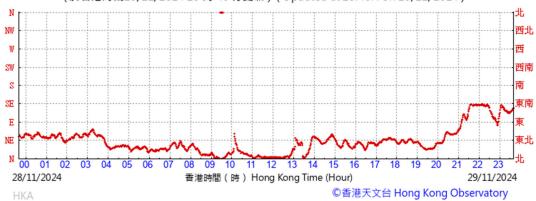
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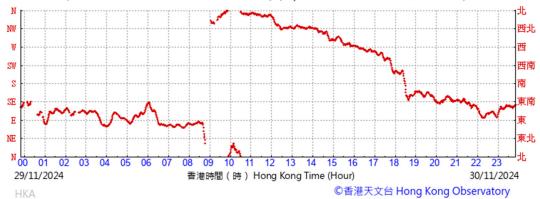




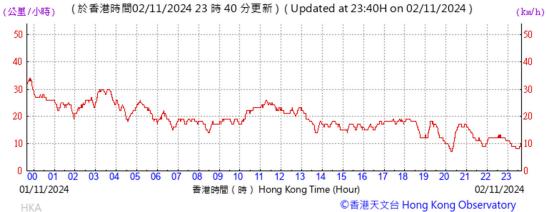
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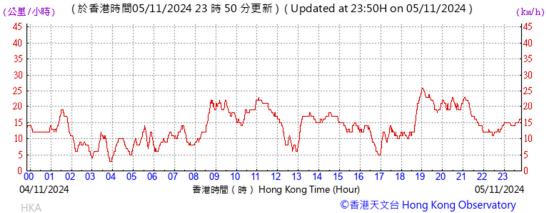






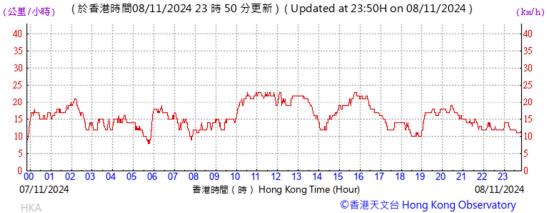


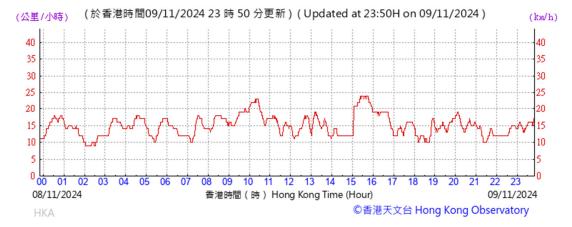




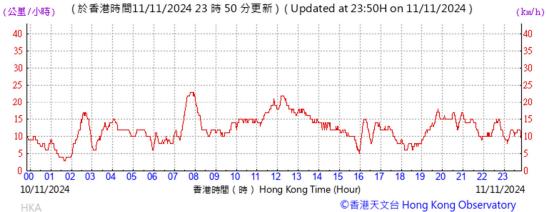








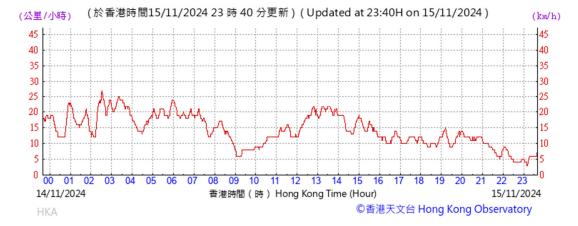




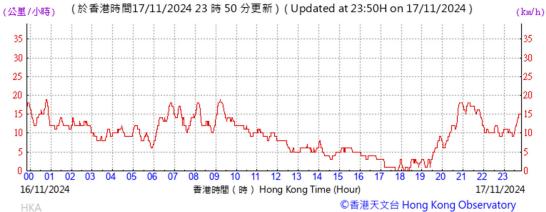


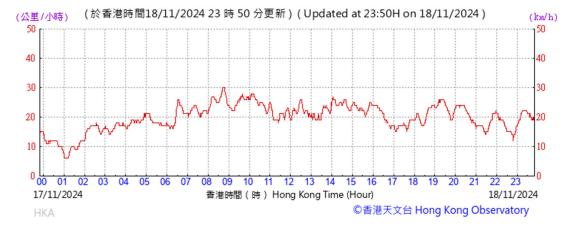




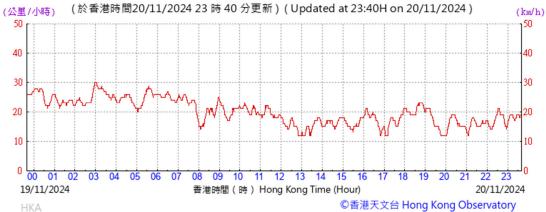


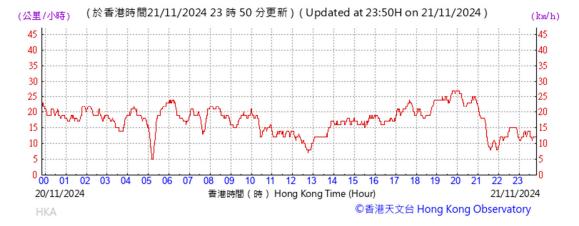




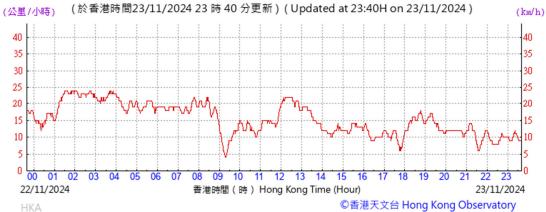


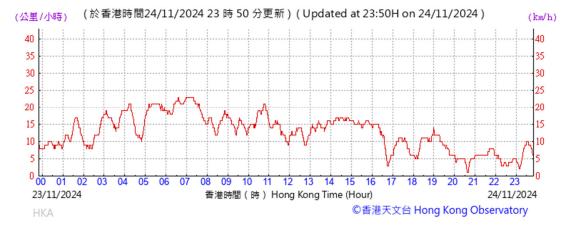




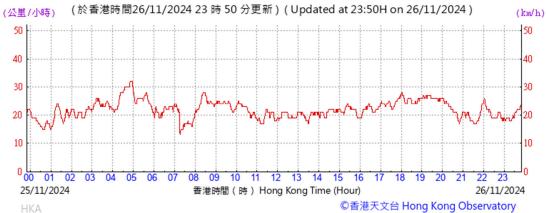






















APPENDIX H

Dolphin Monitoring Results

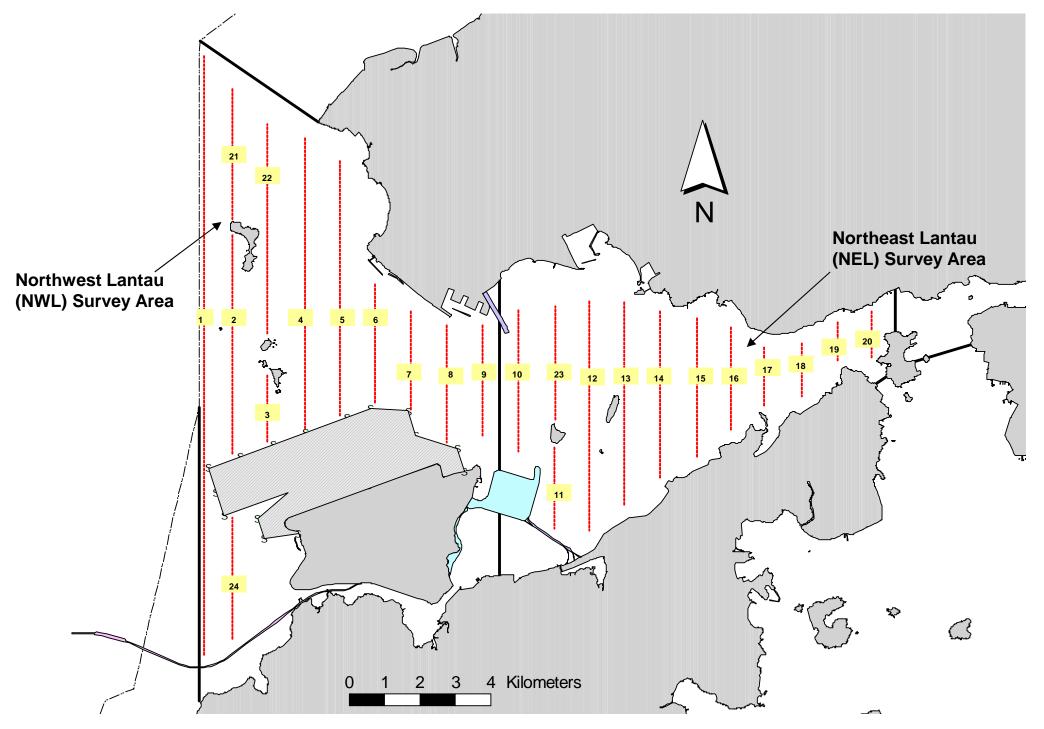


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

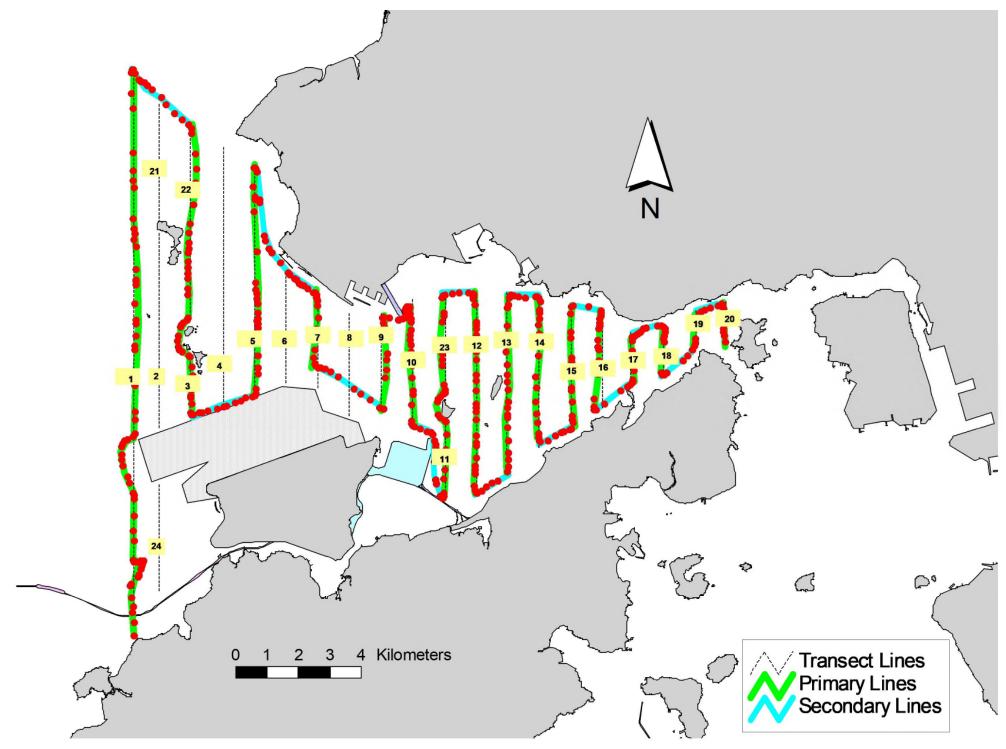


Figure 2. Survey Route on November 4th, 2024

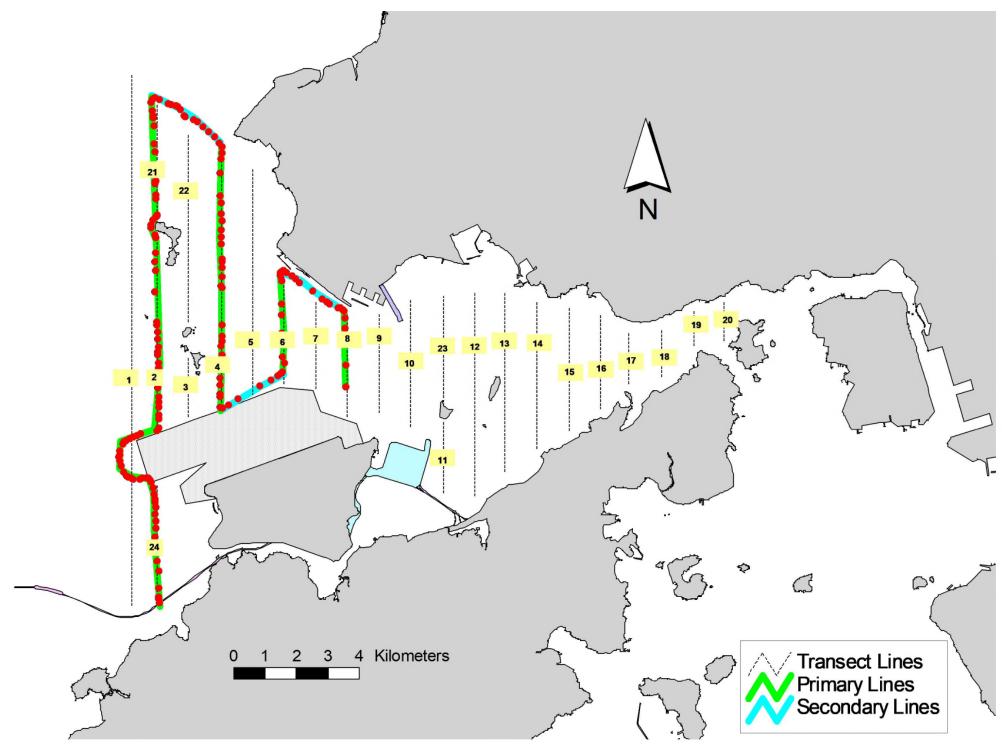


Figure 3. Survey Route on November 8th, 2024

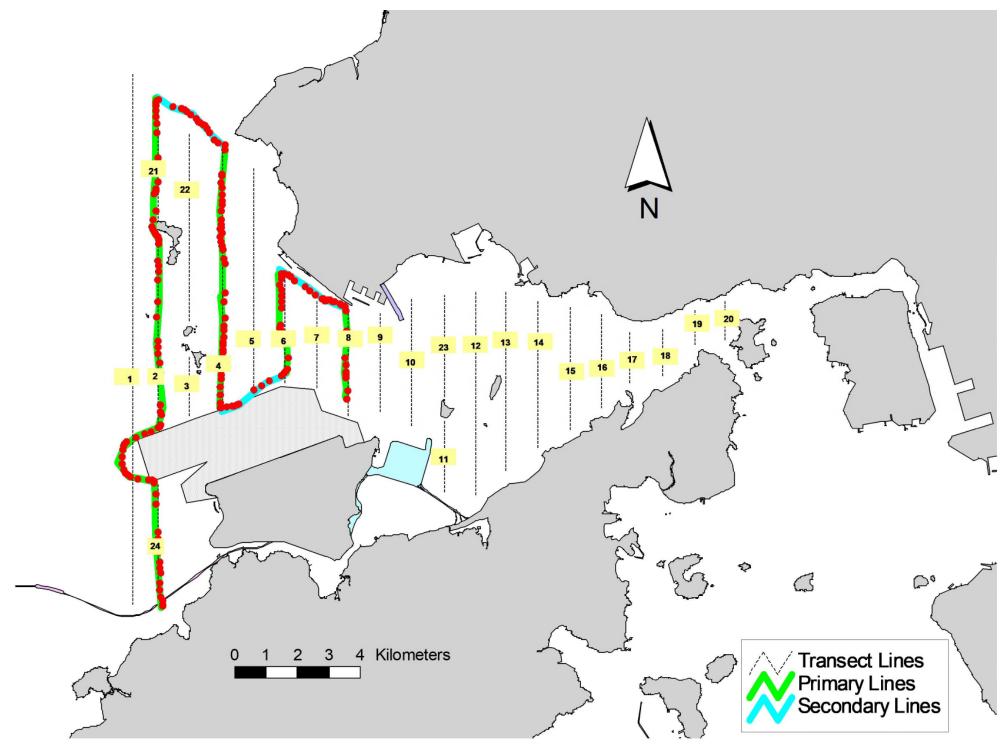


Figure 4. Survey Route on November 15th, 2024

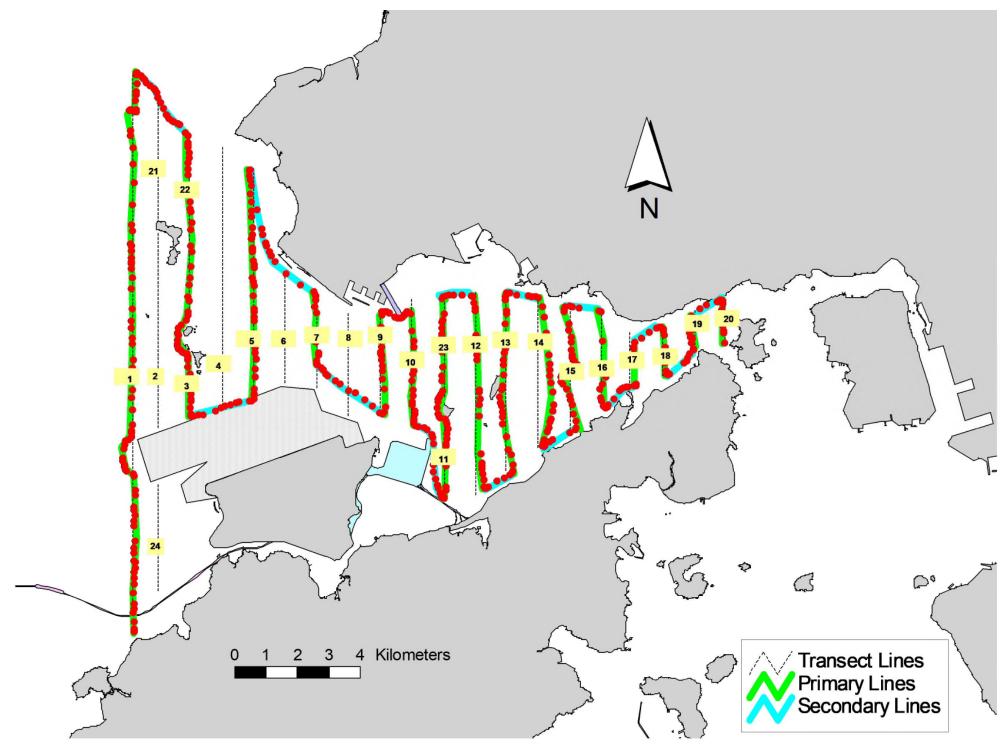


Figure 5. Survey Route on November 18th, 2024

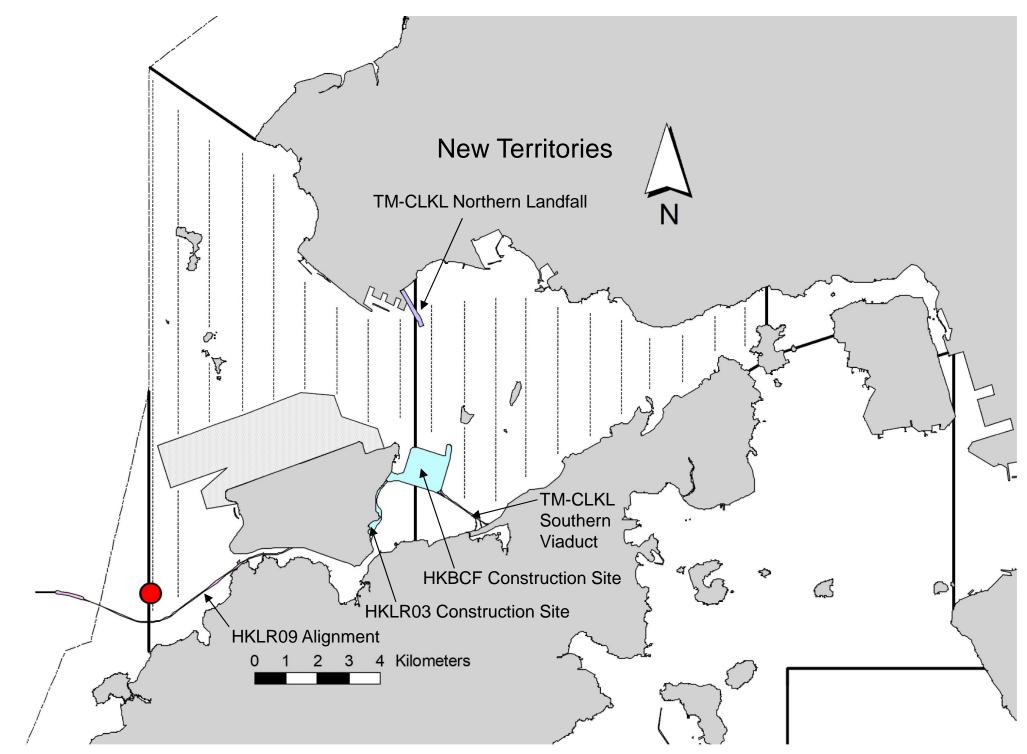


Figure 6. Distribution of Chinese White Dolphin Sightings during November 2024 HKLR03 Monitoring Surveys

Annex I. HKLR03 Survey Effort Database (November 2024)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
04-Nov-24	NW LANTAU	2	33.88	AUTUMN	STANDARD25686	HKLR	Р
04-Nov-24	NW LANTAU	2	15.62	AUTUMN	STANDARD25686	HKLR	S
04-Nov-24	NE LANTAU	2	33.26	AUTUMN	STANDARD25686	HKLR	Р
04-Nov-24	NE LANTAU	3	2.70	AUTUMN	STANDARD25686	HKLR	Р
04-Nov-24	NE LANTAU	2	14.14	AUTUMN	STANDARD25686	HKLR	S
08-Nov-24	NW LANTAU	3	26.50	AUTUMN	STANDARD25686	HKLR	Р
08-Nov-24	NW LANTAU	3	11.10	AUTUMN	STANDARD25686	HKLR	S
15-Nov-24	NW LANTAU	2	19.64	AUTUMN	STANDARD25686	HKLR	Р
15-Nov-24	NW LANTAU	3	7.10	AUTUMN	STANDARD25686	HKLR	Р
15-Nov-24	NW LANTAU	2	10.76	AUTUMN	STANDARD25686	HKLR	S
15-Nov-24	NW LANTAU	3	0.50	AUTUMN	STANDARD25686	HKLR	S
18-Nov-24	NW LANTAU	2	3.90	AUTUMN	STANDARD25686	HKLR	Р
18-Nov-24	NW LANTAU	3	31.59	AUTUMN	STANDARD25686	HKLR	Р
18-Nov-24	NW LANTAU	2	2.70	AUTUMN	STANDARD25686	HKLR	S
18-Nov-24	NW LANTAU	3	12.21	AUTUMN	STANDARD25686	HKLR	S
18-Nov-24	NE LANTAU	2	25.93	AUTUMN	STANDARD25686	HKLR	Р
18-Nov-24	NE LANTAU	3	10.51	AUTUMN	STANDARD25686	HKLR	Р
18-Nov-24	NE LANTAU	2	9.18	AUTUMN	STANDARD25686	HKLR	S
18-Nov-24	NE LANTAU	3	5.08	AUTUMN	STANDARD25686	HKLR	S

Annex II. HKLR03 Chinese White Dolphin Sighting Database (November 2024)

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

DATE	STG#	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
04-Nov-24	1	1019	1	NW LANTAU	2	76	ON	HKLR	816012	804580	AUTUMN	NONE	Р

Annex III. Individual dolphins identified during HKLR03 monitoring surveys in November 2024

ID#	DATE	STG#	AREA
WL243	04/11/24	1	NW LANTAU



Annex IV. Photograph of Identified Individual Dolphin in November 2024 (HKLR03)



APPENDIX I

Waste Flow Table

Monthly Summary Waste Flow Table for 2024

	Actu	al Quantities	of Inert C&I	O Materials G	enerated Mo	nthly	Actual	Quantities of C	&D Wastes	Generated N	Monthly
Month	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)	'000m ³) (in '000m ³)		(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)		
Jan	18.027	0.000	0.000	18.027	0.000	0.000	0.000	0.000	0.000	0.000	0.013
Feb	8.762	0.000	0.000	8.762	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	18.689	0.000	0.000	18.689	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	14.353	0.000	0.000	14.353	0.000	0.000	0.000	0.000	0.000	0.000	0.020
May	17.829	0.000	0.000	17.829	0.000	0.000	0.000	0.000	0.000	0.000	0.013
Jun	15.363	0.000	0.000	15.363	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sub-total	93.023	0.000	0.000	93.023	0.000	0.000	0.000	0.000	0.000	0.000	0.046
Jul	13.966	0.000	0.000	13.966	0.000	0.000	0.000	0.000	0.000	0.000	0.020
Aug	15.036	0.000	0.000	15.036	0.000	0.000	0.000	0.000	0.000	0.000	0.033
Sep	14.416	0.000	0.000	14.416	0.000	0.000	0.000	0.000	0.000	0.000	0.026
Oct	13.557	0.000	0.000	13.557	0.000	0.000	0.000	0.000	0.000	0.000	0.007
Nov	13.220	0.000	0.000	13.220	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sub- total	70.195	0.000	0.000	70.195	0.000	0.000	0.000	0.000	0.000	0.000	0.085
Total	163.218	0.000	0.000	163.218	0.000	0.000	0.000	0.000	0.000	0.000	0.130

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

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

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

APPENDIX J

Cumulative Statistics on Complaints

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先生投资乘涌搜粤到出港港港大橋地館:有污水排到海中(懷疑是油污),污染環境,要求跟進及回獲。(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	-							

COM-2012-010(3)	15-Nov-2012	- EPD	Environmental (Noise, water quality & air qual Environmental (Air quality and Noise)	The complainant has copied his reply from HyD dated 15 Nov 2012 to EPD and Health Department and he further complained not he following issues: 1y) - Noise nuisance generated by diesel engine: - Smell of orbusts pipe age 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. The complainant filed again a complaint for the strong exhaust pipe furnes 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 Portion X WA6	Notes from blowing horn from vessels and barges and Metallic Parts thrown on Ground - Reminded the Contractor for presuse 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 Enjense 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	Closed	-
COM-2012-010(5)	24-Nov-2012	13:42 hrs. EPD (cc to HyD) 22:02 hrs. 22:08 hrs. EPD (cc to HyD)	Environmental (Air quality and Noise)	The noise is coming for the following sources: - power generator - engines from the barges used for marine operation - noise from the cranes use of the construction barges. - engine from the boat used to transport staff in and out - boats blowing their horn late in the evening and at night Gas emissions: - power generators - marine operation The complianant file again a complaint against the strong exhaust pipe emission flowing towards le Bleu Deux estate this afternoon 24/11/10 at 1347. I can assure you that is it not "not that bad" whatever that means for you. And again strong noise of metallic parts being thrown on the ground. I thought you have already sorted out that problem according to your multiple replies to my complaints since July??? A pictures taken this morning (25/11/12) around 9-30am-10am showing the water pollution in different area outside the floating barriers. At 21:56 hrs., boat used by the Highway Department against blew their horn repetitively at close proximity from the residential estate.	WA6	Sundays. Noise from power generators * All generators shall be either screened or covered by adequate sound reducing materials; * 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 generators will be kept running overnight for maintaining minimum power requirement; and * Arrangement with CLP Power HLK tid (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. Eshabats 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 Saa Water in Yellow * The Contractor was reminded to move their vessels and barges at areas with adequate water depth as practically as possible.		
COM-2012-012(1)	13-Nov-2012	22:27 hrs. HyO	Environmental (Noise)	Once again your site continues to work late. The attached photo was taken at 10.15pm on Tuesday 13 Nov. The machinery used on the barges is very noisy. Why do you continue to work till 10pm and why do you work on a Sunday. Surely this is classified as a construction site for which you are in breach of various ordinances. An early reply is appreciated.	Portion X	The following further mitigation measures during the course of the reclamation works will be taken: Installation of noise covers onto the generators / motors on all working barges; Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound. Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at nighttime and Sundays.	Closed	-
COM-2013-015	17-Jan-2013	- EPD	Environmental (Air)	The complainant raised that construction dust was arising from construction site of China State Contruction Engineering (Hong Kong) Ltd near Siu Ho Wan Sewage Treatment Works due to insufficient dust suppression and inadequate wheel washing.	WA3	The Contractor of HY/2011/03 would take the following actions with immediate effect *To ensure no loosed earth material exposed at the edges of eth stockpiled earth materials i.e. to prevent erosion by wind and water; *To cover the stockpiled earth material by adequate tarpaulin; *To enhance the frequency of watering (3 times per day) onto existing haul road and other area as appropriate; and *To install a water sprinkler system to enhance the existing dust suppression measures once the water point is ready for water supply by WSD.	Closed	

			1	1	The state of the s		,		
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-Zhuhal-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	-	НуD	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 jubricant/ 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	НуО	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 wede up his baby "Luticant 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 miligation measures while barges are working in the site area nearby residential area.	Closed	-
COM-2013-018 (5)	31-Mar-2013 1-Apr-2013		НуD	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 Plet operating for the Hong Kong-Quihael-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: - Poperating barge by experienced operators only: - Repenjang 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. - Install noise covers onto noisy equipment where practicable. - 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 nulsance to public.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the protential 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 HIK 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 sticks 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	1	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 Blaut 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 plan tosed after 7 pm as fra 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, he Contractor has implemented the following additional measures: - Minimized the quantities of plant used after 7pm as far as practicable; and - Powerlar raised of plant used of plant used of the planting of t	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 sestricted 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 A complaint was received on 31 October 2013 regarding the noise generated from a barge being moved by a tug boat in the N/A The	Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. Closed	-
				- mir	minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: iminize the quantities of plant used during restricted hours as far as practicable; and guiar review of working duration for restricted hours works and switch off all unnecessary machinery and plants during the night- and early morning period (7pm to 7am).	
COM-2013-043	11-Nov-2013	-	EPD	(Noise) construction site after 23:00 hrs on 8 November 2013.	Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. Closed minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: nimize the quantities of plant used during restricted hours as far as practicable; and plant of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted restricted hours works and switch off all unnecessary machinery and plants during restricted restricted hours works and switch off all unnecessary machinery and plants during restricted restricted hours.	-
COM-2013-045	27-Dec-2013	-	HyD	(Noise) afternoon of 26 December 2013. To n - mir	Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. Closed minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: immirate the quantities of plant used during restricted hours as far as practicable; and gular review of working duration for restricted hours works and switch off all unnecessary machinery and plants during restricted for some contractions of the contraction of the contra	-
COM-2014-046	16-Jan-2014	17:22 hrs	HyD		Contractor has implemented the following measure to minimize exhaust furnes generated from machinery: Closed antenance for the all machinery regularly.	-
COM-2014-048	18-Jan-2014	-	EPD		ed on the investigation results, it is considered that the blackish mud raised in the complaint was not related to HKLR03 Contract. Closed is case, no follow up action is required.	-
COM-2014-050	24-Mar-2014	-	EPD	Environmental A complaint was received by EPD on 24 March 2014. The complainant advised that there was dredged material found being (Other: Dredged mixed with soil in the construction site of Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Project in the vicinity of Marine Sediment) (2Ab headquarters and transported out of the site. The complainant suspected that there was improper disposal of dredged marine sediment.	ed 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		ed on the Contractor's site dairy and our investigation, no non-compliance was identified. Closed	-
COM-2014-053	02-May-2014		EPD	(Noise) the evening of 1 May 2014. To n - mir	Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. Closed minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures: iminize the quantities of plant useful during restricted hours as far as practicable; and gular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted rs.	-
COM-2014-063	03-Dec-14		Arup		ed on the investigation results, it is found that the noise complaint is not related to Contract No. Closed 2011/03. In this case, no follow up action is required.	

COM-2014-065	24-Dec-14	Nil	EPD	Environmental (Water Qulity)	A complaint was received on 24 December 2014 regarding the increase of marine refuse (water bottles and debris) along the shore from Yat Tung to Tai O, where the complainant considered might be in relation to the HZMB project(s).	Portion X	Based on the investigation results, it is considered that the complaint is unlikely related to HKLR03 Contract. Nevertheless, the Contractor is reminded to implement all recommended mitigation measures for waste management and avoid dumping rubbish into the sea.	Closed	-
COM-2015-066	08-Apr-15	Nil	EPD (An email forwarded by Arup)	Environmental (Dust)	According to Arup's email to CSCE on 8 April 2015, the ET was informed that a complaint had been received by EPD at about 18:29 hrs on 2 Apr 2015 regarding construction dust from construction site (\$15) at Kwo Lo Wan Road, Tung Chung."	S15	Based on the Contractor's information and our investigation, no non-compliance was identified. The Contractor is reminded to continuously implement the dust suppression measures to minimize potential dust impact.	Closed	-
COM-2015-068	10-Apr-15	Nil	EPD (An email forwarded by Arup)	Environmental (Noise)	According to Arup's email to CSCE on 10 April 2015, it is noted that EPD received a noise complaint from a resident of Caribbean Coast. According to the complainant, he was disturbed by noise from construction activities of the HZMB Project during weekends and holiday. 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 (CNPT) hosts. 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 maintaine the potential noise impact during restricted hours the quantities of plant used during restricted hours and read switch of all unnecessary stricted hours as far as practicable, and regular review of working during in restricted hours works and switch of all unnecessary	Closed	-
COM-2015-074	16-Jul-15	Nil	EPD	Environmental (Wastewater)	According to EPD's email to Highways Department, ET, SOR and ENPO, a complaint was received on 16 July 2015 regarding wastewater splashing from vehicles to pedestrian at Tung Fai Road. The complainant complained that wastewater was splashed to people waiting at the bus stop near Civil Aviation Department Headquarters Office Building when vehicles leaving the HZMB site to Tung Fai Road.	Tung Fai Road	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. Alterwards, 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 Wa 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 noncomplaince 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: imitinize the quantities of plant used during restricted hours as are spracticable; and spracticable; andregular 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 If moved to Tung Chung since July and it was the second fine Is saw similar situation polluting the sea. Last time it was even worse in red colour. Please lock into this matter and let me know what was being diropped 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 III 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 measures as specified in the implementation Schedule of Environmental Miligation Measures that is all vessels to be sized such that adequate clearance is maintained between vessels and the sea bad 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 marrine 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 EMPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 11 November 2016, it is noted that EDP received a complaint lodged by a member of the public regarding sediment plume generated by a vessel named "Figil 308 (Chang Sheng 308)" during the vessel travelling from construction site of Hong Kong-Zhuhaei 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 this 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. HV/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 Holde (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 throught 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 muddebris on public road. The complainant complainant complaination and the whole stretch of less Cloast Road & Tung Fal Road is truly disguisting. 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 weshing trucks are out it becomes a muddy mess. Cars and pedestrians are overed 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 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 Fa Road iteding to the site access of Contract No. HY/2011/03. The Contractor provided wheely weshing facilities at all the site accesses, including the one accessing East Coast Road and the one accessing Tung Fa Road, to wash and clean all vehicles before allowing them to leave the construction site to ensure that nor 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 Coasta Road and of Tung Fa Road were perwed 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 Coasta Road adjoining the site boundary of Contract No. HY/2011/03. Nasc 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. Natwithstanding 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 todged 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 rEXMS Project. It was also noted from ENMS or and on 21 December 2016 that EPD supplemented that the complainant lives in Seewiev Crescorent. 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-R5740-16 and no non-compliance was found. Based on our investigation result, it is considered that the complaint is unlikely related to Contract No. HY201103. In this case, no follow up action is required. However, the Contractor has been reminded to comply with the conditions stipulated in the Construction Notes undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours as 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 Fail Road, to wash and clean all whicles before allowing them to leave the construction site to ensure that no mud or debries would be brought to the public rare. An Omud was observed at the section of Tung Fail 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. Boaded on our investigation result, although there is no officer devidence showing that the complaint is related to Contract No. HY/2011/03. The Ornitactor 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	Closed	-
							facilitate the road-weahing 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: Stockpile along East Coast Road will be reduced in height and compacted as far as practicable 2. Hauf road will be demarcated to prevent retricious from going into not-wetted surface. 3. Site access 51 of will be throughly 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.		
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 25 February 2017 that there was sandimutely 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 clearliness 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 vash 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' sill was observed at the concerned road section and the site access. As the ground level of site boundary of HV2011(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. HV2011(103. Nevertheless, the Contractor has been reminded to strictly upkeap the proper practice of washing all vehicles leaving the site access (S25). Also, the Contractor has zeized 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 has EPD received a noise complaint lodged by a resident of Centrul Link on 27 March 2017. The complaint was about "时晚" (e. 28 March 2017) 大约十野纪、BAY開教育并不管理会会。 经国际证券 "是一个专家的工作,我们就会是一个一个专家的工作,我们就会们就会一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	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-RS-0161-17 and that no non-compliance on variety regularly 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 sipulated in the Construction Noise Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours used using restricted hours as far as practicable; - inimimize the number of machinery and plant used during restricted hours as far as practicable; - 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 find EPP proceived a complaint on 19 April 2017 folded by a green group. The complaint was about "本庫XXXQ投訴指移澳大樓所將商於 2 0 1 5 年設置隔泥網的方向不當。產生污染,而屬片是由路及電提供,是真確圖片,本會網建模保署調查圖片中的情況,並對承辦商作出營告,以及要求承隸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 sit plume may be caused by sea current. There was no evidence that the concerned sit plume was caused by y	Closed	-
COM-2016-095(3)	27-May-17	Nii	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 28 May 2017 that HyO received a complaint on 12 May 2017 lodged by a member of public. The complaint was about "Wed 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 compliant 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 the potential noise implact. 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 incated as close as possible to the noise source. Also, gaps and openings at joints in the barriers material have been minimized. - 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	НуО	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 tressing works near CNAC Tower has been never ending. Recently a buildozer is working nearby and no noise barriers/sound prod's were set up. Please take corrective action asap. Kindly advise us when this buildozing work is scheduled to complete." Page 7 of 9	Dragonair / CNAC	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 breaked 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 (nock 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 buildozer was used at PR14 on 15 August 2017. In addition, no buildozer was its scheduled a PR14 in lener 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, buildozer was not deserved 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. HY2011/103. According to Contractor's information, no substantial rock breaking works will be conducted at near CNAC Tower. Only minor nosk 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 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: - Locate noise barriers as close as possible to the noise source. Also, g	Closed	

COM-2017-122	03-Oct-17	Nii Nii	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 ENPO's email to the Supervising Officer's Representative and Contractor on 8 January visit Bat January vis	(Other: Cleanliness problem at Tung Fai Road) Environmental	1823 Integrated Call Centre received a complaint lodged by a member of the public regarding deanliness problem at Tung Fai Road, as described below: "现5万术编山海角束弹路" 11级注解:大震对出,已土达附近,是准珠港大橋地盤其中一個出入口,經常有大量重型工程中畅推出地館。每逢有已土或重型丰福提出的整,每级全国上或,要求部門改善沙意問題。" HyD received a complaint lodged by a member of the public regarding deanliness problem at East Coast Road on 29 December 2017. The complaint details are described below: 现5万人设备次外组用来源。见5克来港大恒工程的发展影响。即今排了有關流街中及吸磨中高调中畅迎。但有關中畅说上结问题的成绩来以发生现理想,让结人是否次线组用来源。见5克来港大恒工程的,只是问路面源水,令原本的沙想要成泥境,但但没有方面流失线组用来源。见5克来港大陆工程的,另外,有周吸磨中局隔海水平规型、吸磨中吸了比上的沙港格价值,出来的高度格满沙鹰,以致有蜀沙鹰除了未被吸走外,更哪致路路沙鹰滚滚,要求部門監察有關承辦商,填荫部門跟進及回覆。"	S16 East Coast Road	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 debries would be trought to the public area. It was also observed that the Contractor did provide water bower 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. HYZ01103. 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 mudsilit was observed at the concerned road section and the site access S16. Although Contract No. HYZ01103. Site 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 construction site. No mud or debris would be brought to the public area. Therefore, there is no direct evidence showing that the construction site. No mud or road cleaning by water bowerheades, in order to enhance dust suppression measures, the Contractor we occess the frequency of road cleaning by water bowerheades, in order to enhance dust suppression measures, the Contractor was considered to implement the following measures to minimize dust impact improve cleanliness at East Coast Road. Part Contractor has been reminded to implement the following measures to minimize dust impact improve cleanliness at East Coast Road is properly whiches entering public road without wheel washing. - close monitor on the proper functioning of the road sweeper and water truck and provide maintenance to water truck and road sweeper properly for road washing. - close mo	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	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	Near Dragonair / CNAC (Group) Building	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	-
			email from EPD to SOR, SOR sent the email to Contractor and ET)		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 SDR'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.	(HKIA)			
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,	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 159 were recorded at air monitoring station AMS6 - Dragonair Bulling 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 understeam 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	-
					We refer to your letter ref; [FE3/N09/RS00004678-18] dated 09 March 2018, would like to further draw your attention to the open stockypole 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. Fruthermore, we would like to raise the query regarding the validity period for the occupation of the site under the current gazette.				
COM-2018-142	29 June 2018 & 6 July 2018	Nii	EPD (ENPC) referred the email to SOR, Contractor and ET)	Noise	The complaint of 29 June 2018 was received from EPO 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/654sf2p3op399s/JIMG_3137.MOV7d1=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? 7. The compliance? 8. Mr Lo mentioned in the letter dated 11 April 2018, you would conduct site inspections. Have you noticed any non-compliance? 8. Mr Lo mentioned in the letter dated 11 April 2018, you would conduct site inspections.	Near / Dragonair / CNAC (Croup) 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 by with muffler, minimize the quantities of noisy plant as far as practicable. Although the rock breaking works outside the Cathay Dragon Housef 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 Trung Chung). There have been extreme noisy works conducted, without proper noise mitigation matter, with noise Del levels reaching 07-1000B, 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)		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!!"	N.A.	Based on our investigation result, the concerned work activity compiled 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	-
					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 leads a tistine."				
N/A	03-Apr-19	Nil	EPD (ENPO referred the email from EPD to HyD, SOR, Contractor and ET) through email		Email received by EPD on 3 April 2019 "科技人表示海提專時對高有港珠港大橋的地盤正進行工程,工程期間會揚起大量應土,引起污染,影響海提灣時居民。要求部門散進事宜。"	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 Miligation Implementation Schedule as per the EMAX Almaula, the Contractor has been reminded to strictly maintain the dust miligation 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 Ne Price 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 rearby sensitive receivers.	Closed	
COM-2020-165	18-Mar-20	Nii	Hodline "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 EMBA Marual, the Contractor has been reminded to strictly maintain waste management procedures during their construction works to avoid the hygiene impacts to nearby sensitive receivers.	Closed	
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- "有關東海院園園與藍天海岸對出海面垃圾問題" 1. 近東海與赤龍角機場提駁的大橋附近・即赤龍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 被宴置整车; 2. 近賴東瓜隨海克。海面有大堆沙丘及不少漂浮物件被棄置數年。 上述位置(兒附圍)的臨時沙丘及建築縣料懷疑是國建港珠港大橋時的建築材料,惟現時港珠港大橋已於2018年落成及通 車後,上越提及的建築材料及無料亦未有妥蓄處理。此學不維會造成環境污染,更有機會對拍集航行造成危險,有見及此 ,我們希當 貴處可派與跟進上結構完並不時作出監察,以避免海上應外發生及婚成污染。	S7 and PR10	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 rearby sensitive receivers.		



APPENDIX K

Environmental Licenses and Permits

Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road – Section Between Scenic Hill And Hong Kong Boundary Crossing Facilities License & Permit Register



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.	Valid from	Until
1	10.05.2024	All Works Area	All Works	CNP issued on 24.05.2024	GW-RS0470-24	21.06.2024 1900	20.12.2024 2300

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	, ,				L	1	1
S5.5.6.1	A1	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	√
\$5.5.6.2	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	V
\$5.5.6.2	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
\$5.5.6.2	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	
\$5.5.6.2	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	√

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	V
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	1

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the Measures	When to implement the measures?	Implementation Status
\$5.5.2.7	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							
\$6.4.10	N1	 Use of good site practices to limit noise emissions by considering the following: only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works mobile plant should be sited as far away from NSRs as possible and practicable; material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. 	Control construction airborne noise by means of good site practices	Contractor	All construction sites	Construction stage	√

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S6.4.11	N2	2) Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening.	Contractor	All construction sites	Construction stage	٧
S6.4.12	N3	Install movable noise barriers (typically density @ 14kg/m²), acoustic mat or full enclosure close to noisy plants including air compressor, generators, saw.	Screen the noisy plant items to be used at all construction sites	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	٧
S6.4.13	N4	4) Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise levels of plant items	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	V
S6.4.14	N5	5) Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	V
	N6	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	٧
Waste Man (Constructi	agement ion waste)						
S8.3.8	WM1	Construction and Demolition Material The following mitigation measures should be implemented in handling the waste: • Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; • Carry out on-site sorting; • Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; • Adopt 'Selective Demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible;	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	V

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		 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	Standard formwork or pre-fabrication should be used as far as practicable in order to minimise the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage. The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage.	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	√

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

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S8.3.16	WM4	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	V

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

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
\$9.11.1- \$9.11.1.2	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	1
\$9.11.1.3	W2	Land Works 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	√ ·

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 Governmen sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided; storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sedimen 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 grishall 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 washou of construction materials, soil, silt or debris into any drainage system; open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms; manholes (including any newly constructed ones should always be adequately covered and temporarily sealed so as to prevent silt construction materials or debris from getting into foul sewers; discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system; 	water quality	Contractor	During seawall filling	Construction stage	

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1.3	W2	 all vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit; wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain; the section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel; wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects; vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal; the contractors shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately; waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance; all fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank; and surface run-off from bunded areas should pass through oil/ grease traps prior to discharge to the stormwater system. 	To control construction water quality	Contractor	During seawall filling	Construction stage	
S9.14	W3	Implement a water quality monitoring programme	Control water quality	Contractor	At identified monitoring location	During construction	V

EIA Ref.	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	n Phase)	I	1		-1	
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	Р
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	V
S10.7	E6	Dolphin Exclusion Zone;Dolphin watching plan.	Minimize temporary marine habitat loss impact to dolphins	Contractor	Marine works	During marine works	V
\$10.7	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	√

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S10.7	E8	 Control vessel speed; Skipper training; Predefined and regular routes for working vessels; avoid Brothers Islands. 	Minimise marine traffic disturbance on dolphins	Contractor	Marine traffic	During marine works	V
S10.10	E9	 Dolphin vessel monitoring; 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 (C	 Operation P						Coo Hoto I
\$10.7	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	V
Fisheries			1	1	1		l
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	V
S11.7	F3	Install silt-grease trap in the drainage system collecting surface runoff	Minimise impacts on marine water quality impacts	Designer	Reclamation area	During construction	√
S11.7	F4	 Maritime Oil Spill Response Plan (MOSRP); Contingency plan. 	Minimise impacts on marine water quality impacts	Management	HKLR	During operation stage	√

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

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

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Landscape	e & Visual ((Construction Phase)	l				
S14.3.3.3	LV2	Mitigate both Landscape and Visual Impacts G1. Grass-hydroseed bare soil surface and stock pile areas. G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic. G3. For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and reclamation (e.g. subtle colour tone and slim form for viaduct, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment. G4. Not Applicable. G5 Vegetation reinstatement and upgrading to disturbed areas. G6. Maximize new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed. G7. Provide planting area around peripheral of and within HKLR for tree screening buffer effect. G8. Plant salt tolerant native tree and shrubs etc along the planter strip at affected seawall. G9. Reserve of loose natural granite rocks for re-use. Provide new coastline to adopt .natural-look by means of using armour rocks in the form of natural rock materials and planting strip area accommodating screen buffer to enhance .natural-look. of the new coastline (see Figure 14.4.2 for example).		Contractor	HKLR	Construction stage	
\$14.3.3.3	LV3	Mitigate Visual Impacts V1.Minimize time for construction activities during construction period. V2.Provide screen hoarding at the portion of the project site / works areas / storage areas near VSRs who have close low-level views to the Project during HKLR construction.					

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

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



APPENDIX M

Record of "Notification of Summons and Prosecutions

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

