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

Contract No. HY/2011/03

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

Quarterly EM&A Report No. 22 (December 2017 to February 2018)

21 June 2018

Revision 1

Main Contractor

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

Designer

ATKINS
Member of the SNC-Lavalin Group

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Executive Summary

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

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

China State Construction Engineering (Hong Kong) Ltd. was awarded by Highways Department as the Contractor to undertake the construction works of Contract No. HY/2011/03. The main works of the Contract include land tunnel at Scenic Hill, tunnel underneath Airport Road and Airport Express Line, reclamation and tunnel to the east coast of the Airport Island, at-grade road connecting to the HKBCF and highway works of the HKBCF within the Airport Island and in the vicinity of the HKLR reclamation. The Contract is part of the HKLR Project and HKBCF Project, these projects are considered to be "Designated Projects", under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap 499) and 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 Asia Pacific Limited has been appointed by the Contractor to implement the Environmental Monitoring & Audit (EM&A) programme for the Contract in accordance with the Updated EM&A Manual for HKLR (Version 1.0) and will be providing environmental team services to the Contract.

This is the twenty-second Quarterly 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 November 2017 to 28 February 2018.

Environmental Monitoring and Audit Progress

The EM&A programme were undertaken in accordance with the Updated EM&A Manual for HKLR (Version 1.0). A summary of the monitoring activities during this reporting period is presented as below:

Monitoring Activity		Monitoring Date		
		December 2017	January 2018	February 2018
Air Quality	1-hr TSP	4, 8, 14, 20, 22, 28 and 29	4, 10, 16, 22 and 26	1, 7, 13, 14, 20 and 26
	24-hr TSP	1, 7, 13, 19, 23 and 29 for AMS5 1, 7, 13, 19 and 23 for AMS6	3, 9, 15, 19, 25 and 31 for AMS5 4, 9, 15, 19, 25 and 31 for AMS6	6, 12, 15, 20 and 23
Noise		4, 14, 20 and 28	4, 10, 16 and 22	6, 16, 22 and 28
Water Quality		1, 4, 6, 8, 11, 13, 15, 18, 20, 22, 25, 27 and 29	1, 3, 5, 8, 10, 12, 15, 17, 19, 22, 24, 26, 29 and 31	2, 5, 7, 9, 12, 14, 17, 19, 21, 23, 26 and 28
Chinese White Dolphin		5, 12, 15 and 20	2, 8, 16 and 25	2, 9, 14 and 22
Mudflat Monitoring (Ecology)		9, 10, 16, 17, 21 and 22	--	--
Mudflat Monitoring (Sedimentation rate)		7	--	--
Site Inspection		6, 4, 20 and 30	3 ,10, 17 and 26	1,7, 14 and 23

Due to boat unavailability, the dolphin monitoring was rescheduled from 22 December 2017 to 20 December 2017, and from 22 January 2018 to 25 January 2018.

The monitoring time for 24-hr TSP monitoring on 29 December 2017 at AMS6 (Dragonair Building) was discovered less than 24 hours due to power interruption. The 24-hr TSP monitoring result obtained at AMS6 on 29 December 2017 was considered invalid. Due to power failure and malfunction of HVS from 29 December 2017 to 3 January 2018, 24-hr TSP monitoring could not be conducted at such period. Competent people were arranged to check the power supply and repair HVS on 3 and 4 January 2018 respectively. 24-hr TSP monitoring at AMS6 has been resumed on 4 January 2018.

Due to suitable weather condition, the mudflat monitoring was rescheduled from 23 December 2017 to 21 December 2017.

Due to power failure and malfunction of HVS at AMS6 from 29 December 2017 to 3 January 2018, 24-hr TSP monitoring could not be conducted at such period. Competent people were arranged to check the power supply and repair HVS on 3 and 4 January 2018 respectively. 24-hr TSP monitoring at AMS6 was resumed on 4 January 2018.

Water quality monitoring was not conducted at station CS2(A) during mid ebb and mid flood tide on 8 January 2018 due to rough sea condition and safety concern. Substitute monitoring was not conducted on 9 January 2018 at station CS2(A) due to rough sea condition and safety concern.

Fishing activity was observed near station SR4(N) on 2 February 2018. Due to blockage of access to the station SR4(N) by a fishing net, the water quality monitoring at station SR4(N) was temporarily conducted at coordinate: 814620E, 818016N during mid ebb tide on 2 February 2018.

Breaches of Action and Limit Levels

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

Environmental Monitoring	Parameters	Action Level (AL)	Limit Level (LL)
Air Quality	1-hr TSP	5	0
	24-hr TSP	2	0
Noise	$L_{eq\ (30\ min)}$	0	0
Water Quality	Suspended solids level (SS)	11	1
	Turbidity level	0	0
	Dissolved oxygen level (DO)	0	0
Dolphin Monitoring	Quarterly Analysis (Dec 2017 to Feb 2018)	2	0

All investigation reports for exceedances of the Contract have been submitted to ENPO/IEC for comments and/or follow up to identify whether the exceedances occurred related to other HZMB contracts.

Implementation of Mitigation Measures

Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. Potential environmental impacts due to the construction activities were monitored and reviewed.

Complaint Log

There were two complaints received in relation to the environmental impacts during the reporting period.

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

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaint
COM-2017-129	ENPO's email to the Supervising Officer's Representative and Contractor on 8 January 2018 that HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017	Cleanliness problem at East Coast Road
COM-2018-132	HyD (SOR referred the email from HyD to Contractor and ET on 13 February 2018) and EPD (ENPO referred the email from EPD to SOR, SOR sent the email to Contractor and ET on 14 February 2018)	Complaint about Dust, Water Quality, Construction Waste, Noise and Vibration for the Contract

Notifications of Summons and Prosecutions

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

Reporting Changes

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

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

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

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

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

The water quality monitoring stations at IS10 (Coordinate: 812577E, 820670N) and SR5 (811489E, 820455N) are located inside Hong Kong International Airport (HKIA) Approach Restricted Areas. The previously granted Vessel's Entry Permit for accessing stations IS10 and SR5 were expired on 31 December 2016. During the permit renewing process, the water quality monitoring location was shifted to IS10(N) (Coordinate: 813060E, 820540N) and SR5(N) (Coordinate: 811430E, 820978N) on 2, 4 and 6 January 2017 temporarily. The permit has been granted by Marine Department on 6 January 2017. Thus, the impact water quality monitoring works at original monitoring location of IS10 and SR5 has been resumed since 9 January 2017.

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

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

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

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.

1 Introduction

1.1 Basic Project Information

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

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

1.1.3 China State Construction Engineering (Hong Kong) Ltd. was awarded by Highways Department (HyD) as the Contractor to undertake the construction works of Contract No. HY/2011/03. The Contract is part of the HKLR Project and HKBCF Project, these projects are considered to be "Designated Projects", under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap 499) and 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 WA7 was handed over to other party on 31 January 2018. **Figure 1.1** shows the project site boundary.

1.1.4 BMT Asia Pacific Limited has been appointed by the Contractor to implement the EM&A programme for the Contract in accordance with the Updated EM&A Manual for HKLR (Version 1.0) for HKLR and will be providing environmental team services to the Contract. Ramboll Environ Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) for the Project. The project organization with regard to the environmental works is provided in **Appendix A**.

1.1.5 This is the twenty-second Quarterly Environmental Monitoring and Audit (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 November 2017 to 28 February 2018.

1.2 Project Organisation

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

1.3 Construction Programme

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

1.4 Construction Works Undertaken During the Reporting Period

1.4.1 A summary of the construction activities undertaken during this reporting period is shown in **Table 1.1**. The Works areas of the Contract are showed in **Appendix C**.

Table 1.1 Construction Activities during Reporting Period

Description of Activities	Site Area
Stockpiling	WA7
Dismantling/trimming of temporary 40mm stone platform for construction of seawall	Portion X
Construction of seawall	Portion X
Loading and unloading of filling materials	Portion X
Backfilling at Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X
Excavation for HKBCF to Airport Tunnel & construction of tunnel box structure	Portion X
Works for diversion	Airport Road
Utilities detection	Airport Road/ Airport Express Line/ East Coast Road
Establishment of site access	Airport Road/ Airport Express Line/ East Coast Road
Mined tunnel lining / box jacking transition zone rebar fixing underneath Airport Road and Airport Express Line	Airport Road and Airport Express Line
Excavation and lateral support works & Construction of Tunnel Box Structure for HKBCF to Airport Tunnel West (Cut & Cover Tunnel)	Airport Road
Excavation and lateral support works & construction of tunnel box structure for HKBCF to Airport Tunnel East (Cut & Cover Tunnel)	Portion X
E&M/ Backfilling/ Bitumen works for HKBCF to Airport Tunnel West (Cut & Cover Tunnel)	Airport Road
E&M/ Backfilling/ Bitumen works for HKBCF to Airport Tunnel East (Cut & Cover Tunnel)	Portion X
Superstructure and finishing works for Highway Operation and Maintenance Area Building	Portion X
Finishing works for Highway Operation and Maintenance Area Building	Portion X
Finishing works for Scenic Hill Tunnel West Portal Ventilation Building	West Portal

2 EM&A Requirement

2.1 Summary of EM&A Requirements

2.1.1 The EM&A programme requires environmental monitoring of air quality, noise, water quality, dolphin monitoring and mudflat monitoring as specified in the approved EM&A Manual.

2.1.2 A summary of Impact EM&A requirements is presented in **Table 2.1**. The locations of air quality, noise and water quality monitoring stations are shown as in **Figure 2.1**. The transect line layout in Northwest and Northeast Lantau Survey Areas is presented in **Figure 2.2**.

Table 2.1 Summary of Impact EM&A Requirements

Environmental Monitoring	Description	Monitoring Station	Frequencies	Remarks
Air Quality	1-hr TSP	AMS 5 & AMS 6	At least 3 times every 6 days	While the highest dust impact was expected.
	24-hr TSP		At least once every 6 days	--
Noise	L_{eq} (30mins), L_{10} (30mins) and L_{90} (30mins)	NMS 5	At least once per week	Daytime on normal weekdays (0700-1900 hrs).
Water Quality	• Depth • Temperature • Salinity • Dissolved Oxygen (DO) • Suspended Solids (SS) • DO Saturation • Turbidity • pH	• Impact Stations: IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 & IS10, • Control/Far Field Stations: CS2 & CS(Mf)5, • Sensitive Receiver Stations: SR3, SR4, SR5, SR10A & SR10B	Three times per week during mid-ebb and mid-flood tides (within ± 1.75 hour of the predicted time)	3 (1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth is less than 6 m, in which case the mid-depth station may be omitted. Should the water depth be less than 3 m, only the mid-depth station will be monitored).
Dolphin	Line-transect Methods	Northeast Lantau survey area and Northwest Lantau survey area	Twice per month	--
Mudflat	Horseshoe crabs, seagrass beds, intertidal soft shore communities, sedimentation rates and water quality	San Tau and Tung Chung Bay	Once every 3 months	--

2.2 Action and Limit Levels

2.2.1 **Table 2.2** presents the Action and Limit Levels for the 1-hour TSP, 24-hour TSP and noise level.

Table 2.2 Action and Limit Levels for 1-hour TSP, 24-hour TSP and Noise

Environmental Monitoring	Parameters	Monitoring Station	Action Level	Limit Level
Air Quality	1-hr TSP	AMS 5	352 µg/m^3	500 µg/m^3
		AMS 6	360 µg/m^3	
	24-hr TSP	AMS 5	164 µg/m^3	260 µg/m^3
		AMS 6	173 µg/m^3	
Noise	$L_{eq\ (30\ min)}$	NMS 5	When one documented complaint is received	75 dB(A)

2.2.2 The Action and Limit Levels for water quality monitoring are given as in **Table 2.3**.

Table 2.3 Action and Limit Levels for Water Quality

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

Notes:
(1) Depth-averaged is calculated by taking the arithmetic means of reading of all three depths.
(2) For DO, non-compliance of the water quality limit occurs when monitoring result is lower that the limit.
(3) For SS & turbidity non-compliance of the water quality limits occur when monitoring result is higher than the limits.
(4) The change to the Action and limit Levels for Water Quality Monitoring for the EM&A works was approved by EPD on 25 March 2013. Therefore, the amended Action and Limit Levels are applied for the water monitoring results obtained on and after 25 March 2013.

2.2.3 The Action and Limit Levels for dolphin monitoring are shown in **Tables 2.4 and 2.5**.

Table 2.4 Action and Limit Level for Dolphin Impact Monitoring

	North Lantau Social Cluster	
	NEL	**NWL**
Action Level	STG < 70% of baseline & ANI < 70% of baseline	STG < 70% of baseline & ANI < 70% of baseline
Limit Level	STG < 40% of baseline & ANI < 40% of baseline	

Remarks:

(1) STG means quarterly average encounter rate of number of dolphin sightings.
(2) ANI means quarterly average encounter rate of total number of dolphins.
(3) For North Lantau Social Cluster, AL will be triggered if either NEL or NWL fall below the criteria; LL will be triggered if both NEL and NWL fall below the criteria.

Table 2.5 Derived Value of Action Level (AL) and Limit Level (LL)

	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 average encounter rate of number of dolphin sightings.
(2) ANI means quarterly average encounter rate of total number of dolphins.
(3) For North Lantau Social Cluster, AL will be triggered if either NEL or NWL fall below the criteria; LL will be triggered if both NEL and NWL fall below the criteria.

2.3 Event Action Plans

2.3.1 The Event Actions Plans for air quality, noise, water quality and dolphin monitoring are annexed in **Appendix D.**

2.4 Mitigation Measures

2.4.1 Environmental mitigation measures for the contract were recommended in the approved EIA Report. **Appendix E** lists the recommended mitigation measures and the implementation status.

3 Environmental Monitoring and Audit

3.1 Implementation of Environmental Measures

3.1.1 In response to the site audit findings, the Contractor have rectified all observations identified in environmental site inspections undertaken during the reporting period. Details of site audit findings and the corrective actions during the reporting period are presented in **Appendix F**.

3.1.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix E**.

3.1.3 Regular marine travel route for marine vessels were implemented properly in accordance to the submitted plan and relevant records were kept properly.

3.1.4 Dolphin Watching Plan was implemented during the reporting period. No dolphins inside the silt curtain were observed. The relevant records were kept properly.

3.2 Air Quality Monitoring Results

3.2.1 The monitoring results for 1-hour TSP and 24-hour TSP are summarized in **Tables 3.1** and **3.2** respectively. Detailed impact air quality monitoring results and relevant graphical plots are presented in **Appendix G**.

Table 3.1 Summary of 1-hour TSP Monitoring Results Obtained During the Reporting Period

Reporting Period	Monitoring Station	Average ($\mu g/m^3$)	Range ($\mu g/m^3$)	Action Level ($\mu g/m^3$)	Limit Level ($\mu g/m^3$)
December 2017	AMS5	41	13 – 95	352	500
	AMS6	56	17 – 100	360	
January 2018	AMS5	108	16 – 398	352	
	AMS6	117	15 – 412	360	
February 2018	AMS5	49	23 – 79	352	
	AMS6	45	17 – 76	360	

Table 3.2 Summary of 24-hour TSP Monitoring Results Obtained During the Reporting Period

Reporting Period	Monitoring Station	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
December 2017	AMS5	88	43 – 139	164	260
	AMS6	172	89 – 253	173	
January 2018	AMS5	54	44 – 67	164	
	AMS6	77	62 – 100	173	
February 2018	AMS5	66	36 – 85	164	
	AMS6	94	44 – 138	173	

3.2.2 Two Action Level exceedances of 1-hr TSP were recorded at AMS5 and three Action Level exceedances of 1-hr TSP were recorded at AMS6 during the reporting period. No Action and Limit Level exceedances of 24-hr TSP were recorded at AMS5. Two Action Level exceedances of 24-hr TSP were recorded at AMS6 during the reporting period.

3.2.3 Record of notification of environmental quality limit exceedances are provided in **Appendix M**.

3.3 Noise Monitoring Results

3.3.1 The monitoring results for construction noise are summarized in **Table 3.3** and the monitoring results and relevant graphical plots for this reporting period are provided in **Appendix H.**

Table 3.3 Summary of Construction Noise Monitoring Results Obtained During the Reporting Period

Reporting period	Monitoring Station	Average L_{eq} (30 mins), dB(A)*	Range of L_{eq} (30 mins), dB(A)*	Action Level	Limit Level L_{eq} (30 mins), dB(A)
December 2017	NMS5	58	57 – 59	When one documented complaint is received	75
January 2018		58	57 – 60		
February 2018		58	56 – 59		

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

3.3.2 No Action and Limit Level exceedances for noise were recorded during daytime on normal weekdays of the reporting period.

3.3.3 Major noise sources during the noise monitoring included construction activities of the Contract and nearby traffic noise and insect noise.

3.4 Water Quality Monitoring Results

3.4.1 Impact water quality monitoring was conducted at all designated monitoring stations during the reporting period. Impact water quality monitoring results and relevant graphical plots are provided in **Appendix I**.

3.4.2 No Action Level and Limit Level exceedances for turbidity level and dissolved oxygen level were recorded during the reporting period. There were 11 Action Level exceedances and 1 Limit

Level exceedances of suspended solids level during the reporting period. The exceedances of suspended solids level recorded during reporting period were considered to be attributed to other external factors such as sea condition, rather than the contract works. The exceedances were considered as non-contract related. Record of "Notification of Environmental Quality Limit Exceedances" is provided in **Appendix M**.

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

3.5 Dolphin Monitoring Results

Data Analysis

3.5.1 Distribution Analysis – The line-transect survey data was integrated with the Geographic Information System (GIS) in order to visualize and interpret different spatial and temporal patterns of dolphin distribution using sighting positions. Location data of dolphin groups were plotted on map layers of Hong Kong using a desktop GIS (ArcView© 3.1) to examine their distribution patterns in details. The dataset was also stratified into different subsets to examine distribution patterns of dolphin groups with different categories of group sizes, young calves and activities.

3.5.2 Encounter rate analysis – Encounter rates of Chinese white dolphins (number of on-effort sightings per 100 km of survey effort, and total number of dolphins sighted on-effort 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. Dolphin encounter rates were calculated in two ways for comparisons with the HZMB baseline monitoring results as well as to AFCD long-term marine mammal monitoring results.

3.5.3 Firstly, for the comparison with the HZMB baseline monitoring results, the encounter rates were calculated using primary survey effort alone, and only data collected under Beaufort 3 or below condition would be used for encounter rate analysis. The average encounter rate of sightings (STG) and average encounter rate of dolphins (ANI) were deduced based on the encounter rates from six events during the present quarter (i.e. six sets of line-transect surveys in North Lantau), which was also compared with the one deduced from the six events during the baseline period (i.e. six sets of line-transect surveys in North Lantau).

3.5.4 Secondly, the encounter rates were calculated using both primary and secondary survey effort collected under Beaufort 3 or below condition as in AFCD long-term monitoring study. The encounter rate of sightings and dolphins were deduced by dividing the total number of on-effort sightings (STG) and total number of dolphins (ANI) by the amount of survey effort for the present quarterly period.

3.5.5 Quantitative grid analysis on habitat use – To conduct quantitative grid analysis of habitat use, positions of on-effort sightings of Chinese White Dolphins collected during the quarterly impact phase monitoring period were plotted onto 1-km^2 grids among NWL and NEL survey areas on GIS. Sighting densities (number of on-effort sightings per km^2) and dolphin densities (total number of dolphins from on-effort sightings per km^2) were then calculated for each 1 km by 1 km grid with the aid of GIS. Sighting density grids and dolphin density grids were then further normalized with the amount of survey effort conducted within each grid. The total amount of survey effort spent on each grid was calculated by examining the survey coverage on each line-transect survey to determine how many times the grid was surveyed during the study period. For example, when the survey boat traversed through a specific grid 50 times, 50 units of survey effort were counted for that grid. With the amount of survey effort calculated for each grid, the sighting density and dolphin density of each grid were then normalized (i.e. divided by the unit of survey effort).

3.5.6 The newly-derived unit for sighting density was termed SPSE, representing the number of on-effort sightings per 100 units of survey effort. In addition, the derived unit for actual dolphin density was termed DPSE, representing the number of dolphins per 100 units of survey effort. Among the 1-km^2 grids that were partially covered by land, the percentage of sea area was calculated using GIS tools, and their SPSE and DPSE values were adjusted accordingly. The following formulae were used to estimate SPSE and DPSE in each 1-km^2 grid within the study area:

$$SPSE = ((S / E) \times 100) / SA\%$$
$$DPSE = ((D / E) \times 100) / SA\%$$

where S = total number of on-effort sightings
D = total number of dolphins from on-effort sightings
E = total number of units of survey effort
SA% = percentage of sea area

3.5.7 Behavioural analysis – When dolphins were sighted during vessel surveys, their behaviour was observed. Different activities were categorized (i.e. feeding, milling/resting, traveling, socializing) and recorded on sighting datasheets. This data was then input into a separate database with sighting information, which can be used to determine the distribution of behavioural data with a desktop GIS. Distribution of sightings of dolphins engaged in different activities and behaviours would then be plotted on GIS and carefully examined to identify important areas for different activities of the dolphins.

3.5.8 Ranging pattern analysis – Location data of individual dolphins that occurred during the 3-month baseline monitoring period were obtained from the dolphin sighting database and photo-identification catalogue. To deduce home ranges for individual dolphins using the fixed kernel methods, the program Animal Movement Analyst Extension, was loaded as an extension with ArcView© 3.1 along with another extension Spatial Analyst 2.0. Using the fixed kernel method, the program calculated kernel density estimates based on all sighting positions, and provided an active interface to display kernel density plots. The kernel estimator then calculated and displayed the overall ranging area at 95% UD level.

Summary of Survey Effort and Dolphin Sightings

3.5.9 During the period of December 2017 to February 2018, six sets of systematic line-transect vessel surveys were conducted to cover all transect lines in NWL and NEL survey areas twice per month.

3.5.10 From these surveys, a total of 797.53 km of survey effort was collected, with 88.8% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility). Among the two areas, 296.70 km and 500.83 km of survey effort were conducted in NEL and NWL survey areas respectively.

3.5.11 The total survey effort conducted on primary lines 582.13 km , while the effort on secondary lines was 215.40 km. Survey effort conducted on both primary and secondary lines were considered as on-effort survey data. A summary table of the survey effort is shown in **Annex I** of **Appendix J**.

3.5.12 During the six sets of monitoring surveys in December 2017 to February 2018, 17 groups of 45 Chinese White Dolphins were sighted, with the summary table of the dolphin sightings is shown in **Annex II** of **Appendix J**. All except one dolphin sighting were made during on-effort search, while 14 of the 16 on-effort dolphin sightings were made on primary lines.

3.5.13 In addition, all dolphin groups were sighted in NWL, and no dolphin was sighted at all in NEL. In fact, since August 2014, only two sightings of two lone dolphins were made respectively in NEL during HKLR03 monitoring surveys. However, it should be noted that a rare dolphin sighting with five individuals was made recently in NEL in February 2018 during a HKBCF monitoring survey.

Distribution

3.5.14 Distribution of dolphin sightings made during monitoring surveys in December 2017 to February 2018 is shown in **Figure 1 of Appendix J**. The majority of sightings were made at the western end of the North Lantau region, with higher concentration of sightings to the west and northwest of Lung Kwu Chau (**Figure 1 of Appendix J**). Several sightings were also made between Lung Kwu Chau and Sha Chau, to the west of the airport platform, near Lung Kwu Tan and Pillar Point (**Figure 1 of Appendix J**). As consistently recorded in the previous monitoring quarters, the dolphins were completely absent from the central and eastern portions of North Lantau waters. (**Figure 1 of Appendix J**).

3.5.15 All dolphin sightings were located far away from the HKLR03 and HKBCF reclamation sites as well as along the alignment and Tuen Mun-Chek Lap Kok Link (TMCLKL) (**Figure 1 of Appendix J**). However, several sightings were made adjacent to the alignment of HKLR09 (**Figure 1 of Appendix J**).

3.5.16 Sighting distribution of dolphins during the present impact phase monitoring period (December 2017-February 2018) was drastically different from the one during the baseline monitoring period (**Figure 1 of Appendix J**). In the present quarter, dolphins have disappeared from the NEL region, which was in stark contrast to their frequent occurrence around the Brothers Islands, near Shum Shui Kok and in the vicinity of HKBCF reclamation site during the baseline period (**Figure 1 of Appendix J**). The nearly complete abandonment of NEL region by the dolphins has been consistently recorded in the past 19 quarters of HKLR03 monitoring, which has resulted in zero to extremely low dolphin encounter rates in this area.

3.5.17 In NWL survey area, dolphin occurrence was also significantly different between the baseline and impact phase periods. During the present impact monitoring period, dolphins were less frequently sighted here, and mainly at the western end of the area, which was in contrary to their frequent occurrences throughout the area during the baseline period (**Figure 1 of Appendix J**).

3.5.18 Another comparison in dolphin distribution was made between the six quarterly periods of winter months in 2012-18 (**Figure 2 of Appendix J**). Among the six winter periods, dolphins were sighted regularly in NWL waters in 2012-13 and 2013-14, but their usage there was progressively reduced in the four subsequent winter periods, with their only occurrences mostly concentrated at the western end of the survey area (**Figure 2 of Appendix J**).

Encounter Rate

3.5.19 During the present three-month study period, the encounter rates of Chinese White Dolphins deduced from the survey effort and on-effort sighting data from the primary transect lines under favourable conditions (Beaufort 3 or below) for each set of the surveys in NEL and NWL are shown in **Table 3.4**. The average encounter rates deduced from the six sets of surveys were also compared with the ones deduced from the baseline monitoring period (September – November 2011) (**Table 3.5**).

3.5.20 To facilitate the comparison with the AFCD long-term monitoring results, the encounter rates were also calculated for the present quarter using both primary and secondary survey effort. The encounter rates of sightings (STG) and dolphins (ANI) in NWL were 3.6 sightings and 10.2 dolphins per 100 km of survey effort respectively, while the encounter rates of sightings (STG) and dolphins (ANI) in NEL were both nil for this quarter.

Table 3.4 Dolphin Encounter Rates (Sightings Per 100 km of Survey Effort) During Reporting Period (December 2017 – February 2018)

Survey Area	Dolphin Monitoring	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**
Northeast Lantau	Set 1 (5 & 12 Dec 2017)	0.00	0.00
	Set 2 (15 & 20 Dec 2017)	0.00	0.00
	Set 3 (2 & 8 Jan 2018)	0.00	0.00
	Set 4 (16 & 25 Jan 2018)	0.00	0.00
	Set 5 (2 & 9 Feb 2018)	0.00	0.00
	Set 6 (14 & 22 Feb 2018)	0.00	0.00
Northwest Lantau	Set 1 (5 & 12 Dec 2017)	1.66	8.32
	Set 2 (15 & 20 Dec 2017)	8.39	22.37
	Set 3 (2 & 8 Jan 2018)	5.68	45.42
	Set 4 (16 & 25 Jan 2018)	3.43	3.43
	Set 5 (2 & 9 Feb 2018)	4.38	6.56
	Set 6 (14 & 22 Feb 2018)	4.97	8.29

Table 3.5 Comparison of average dolphin encounter rates from impact monitoring period (December 2017 to February 2018) and baseline monitoring period (September – November 2011)

Survey Area	**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)	
	Reporting Period	**Baseline Monitoring Period**	**Reporting Period**	**Baseline Monitoring Period**
Northeast Lantau	0.0	6.00 ± 5.05	0.0	22.19 ± 26.81
Northwest Lantau	4.75 ± 2.26	9.85 ± 5.85	15.73 ± 15.94	44.66 ± 29.85

Notes:
1) The encounter rates deduced from the baseline monitoring period have been recalculated based only on the survey effort and on-effort sighting data made along the primary transect lines under favourable conditions.
2) ± denotes the standard deviation of the average encounter rates.

3.5.21 In NEL, the average dolphin encounter rates (both STG and ANI) in the present three-month impact monitoring period were both zero with no on-effort sighting being made, and such extremely low occurrence of dolphins in NEL have been consistently recorded in the past 19 quarters of HKLR03 monitoring (**Table 3.6**). This is a serious concern as the dolphin occurrence in NEL in the past few years (0.0-1.0 for ER(STG) and 0.0-3.9 for ER(ANI)) have remained exceptionally low when compared to the baseline period (**Table 3.6**). Dolphins have been virtually absent from NEL waters since January 2014, with only three groups of six dolphins sighted there since then despite consistent and intensive survey effort being conducted in this survey area.

Table 3.6 Comparison of Average Dolphin Encounter Rates in Northeast Lantau Survey Area from All Quarters of Impact Monitoring Period and Baseline Monitoring Period (Sep – Nov 2011)

Monitoring Period	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)
September-November 2011 (Baseline)	6.00 ± 5.05	22.19 ± 26.81
December 2012-February 2013 (Impact)	3.14 ± 3.21*	6.33 ± 8.64*
March-May 2013 (Impact)	0.42 ± 1.03	0.42 ± 1.03
June-August 2013 (Impact)	0.88 ± 1.36	3.91 ± 8.36
September-November 2013 (Impact)	1.01 ± 1.59	3.77 ± 6.49
December 2013-February 2014 (Impact)	0.45 ± 1.10*	1.34 ± 3.29*
March-May 2014 (Impact)	0.00	0.00
June-August 2014 (Impact)	0.42 ± 1.04	1.69 ± 4.15
September-November 2014 (Impact)	0.00	0.00
December 2014-February 2015 (Impact)	0.00*	0.00*
March-May 2015 (Impact)	0.00	0.00
June-August 2015 (Impact)	0.44 ± 1.08	0.44 ± 1.08
September-November 2015 (Impact)	0.00	0.00
December 2015-February 2016 (Impact)	0.00*	0.00*
March-May 2016 (Impact)	0.00	0.00
June-August 2016 (Impact)	0.00	0.00
September-November 2016 (Impact)	0.00	0.00
December 2016-February 2017 (Impact)	0.00*	0.00*
March-May 2017 (Impact)	0.00	0.00
June-August 2017 (Impact)	0.00	0.00
September-November 2017 (Impact)	0.00	0.00
December 2017-February 2018 (Impact)	0.00*	0.00*

Notes:
1) The encounter rates deduced from the baseline monitoring period have been recalculated based only on survey effort and on-effort sighting data made along the primary transect lines under favourable conditions.
2) ± denotes the standard deviation of the average encounter rates.
3) The encounter rates in winter months were in blue and marked with asterisk.

3.5.22 On the other hand, the average dolphin encounter rates (STG and ANI) in NWL during the present impact phase monitoring period (reductions of 68.3% and 76.8% respectively) were only small fractions of the ones recorded during the three-month baseline period, indicating a dramatic decline in dolphin usage of this survey area as well during the present impact phase period (**Table 3.7**).

3.5.23 However, it is important to note that the quarterly encounter rate in the present monitoring period appeared to have rebounded from the previous lows. Both ER(STG) and ER(ANI) in NWL survey area in the present quarter reached the highest in the past three years, and were higher than the previous three winter quarters in 2014-15, 2015-16 and 2016-17 (**Table 3.7**). It remained to be seen whether such rebound in dolphin occurrence in NWL waters would be persistent in upcoming quarters. Such temporal trend should be closely monitored in the upcoming monitoring quarters as the construction activities of HZMB works continue to diminish in coming months.

Table 3.7 Comparison of Average Dolphin Encounter Rates in Northwest Lantau Survey Area from All Quarters of Impact Monitoring Period and Baseline Monitoring Period (Sep – Nov 2011)

Monitoring Period	**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)
September-November 2011 (Baseline)	9.85 ± 5.85	44.66 ± 29.85
December 2012-February 2013 (Impact)	8.36 ± 5.03*	35.90 ± 23.10*
March-May 2013 (Impact)	7.75 ± 3.96	24.23 ± 18.05
June-August 2013 (Impact)	6.56 ± 3.68	27.00 ± 18.71
September-November 2013 (Impact)	8.04 ± 1.10	32.48 ± 26.51
December 2013-February 2014 (Impact)	8.21 ± 2.21*	32.58 ± 11.21*
March-May 2014 (Impact)	6.51 ± 3.34	19.14 ± 7.19
June-August 2014 (Impact)	4.74 ± 3.84	17.52 ± 15.12
September-November 2014 (Impact)	5.10 ± 4.40	20.52 ± 15.10
December 2014-February 2015 (Impact)	2.91 ± 2.69*	11.27 ± 15.19*
March-May 2015 (Impact)	0.47 ± 0.73	2.36 ± 4.07
June-August 2015 (Impact)	2.53 ± 3.20	9.21 ± 11.57
September-November 2015 (Impact)	3.94 ± 1.57	21.05 ± 17.19
December 2015-February 2016 (Impact)	2.64 ± 1.52*	10.98 ± 3.81*
March-May 2016 (Impact)	0.98 ± 1.10	4.78 ± 6.85
June-August 2016 (Impact)	1.72 ± 2.17	7.48 ± 10.98
September-November 2016 (Impact)	2.86 ± 1.98	10.89 ± 10.98
December 2016-February 2017 (Impact)	3.80 ± 3.79*	14.52 ± 17.21*

March-May 2017 (Impact)	0.93 ± 1.03	5.25 ± 9.53
June-August 2017 (Impact)	2.20 ± 2.88	6.58 ± 8.12
September-November 2017 (Impact)	3.12 ± 1.91	10.35 ± 9.66
December 2017-February 2018 (Impact)	4.75 ± 2.26*	15.73 ± 15.94*

Notes:
1) The encounter rates deduced from the baseline monitoring period have been recalculated based only on survey effort and on-effort sighting data made along the primary transect lines under favourable conditions.
2) ± denotes the standard deviation of the average encounter rates.
3) The encounter rates in winter months were in blue and marked with asterisk.

3.5.24 A two-way ANOVA with repeated measures and unequal sample size was conducted to examine whether there were any significant differences in the average encounter rates between the baseline and impact monitoring periods. The two variables that were examined included the two periods (baseline and impact phases) and two locations (NEL and NWL).

3.5.25 For the comparison between the baseline period and the present quarter (21st quarter of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.0127 and 0.0470 respectively. If the alpha value is set at 0.05, significant differences were detected between the baseline and present quarters in both the average dolphin encounter rates of STG and ANI.

3.5.26 For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. the first 21 quarters of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.000000 and 0.000000 respectively. Even if the alpha value is set at 0.00001, significant differences were still detected in both the average dolphin encounter rates of STG and ANI (i.e. between the two periods and the locations).

3.5.27 As indicated in both dolphin distribution patterns and encounter rates, dolphin usage has been significantly reduced in both NEL and NWL survey areas during the present quarterly period, and such low occurrence of dolphins has also been consistently documented in previous quarters of the past few years.

3.5.28 The dramatic decline in dolphin usage of North Lantau region raises serious concern, as the timing of the decline in dolphin usage in North Lantau waters coincided well with the construction schedule of the HZMB-related projects (Hung 2017). Apparently there was little sign of recovery of dolphin usage even though almost all marine works associated with the HZMB construction have been completed.

Group Size

3.5.29 Group size of Chinese White Dolphins ranged from one to eight individuals per group in North Lantau region during December 2017 to February 2018. The average dolphin group sizes from these three months were compared with the ones deduced from the baseline period in September to November 2011, as shown in **Table 3.8**.

Table 3.8 Comparison of Average Dolphin Group Sizes between Reporting Period (Dec 2017–Feb 2018) and Baseline Monitoring Period (Sep – Nov 2011)

Survey Area	Average Dolphin Group Size	
	Reporting Period	Baseline Monitoring Period
Overall	2.65 ± 2.50 (n = 17)	3.72 ± 3.13 (n = 66)
Northeast Lantau	---	3.18 ± 2.16 (n = 17)
Northwest Lantau	2.65 ± 2.50 (n = 17)	3.92 ± 3.40 (n = 49)

Note:

1) ± denotes the standard deviation of the average group size.

3.5.30 The average dolphin group size in NWL waters during December 2017 to February 2018 was noticeably lower than the one recorded during the three-month baseline period, but it should also be noted that the sample size of 17 dolphin groups in the present quarter was very small when compared to the 66 groups sighted during the baseline period (**Table 3.8**).

3.5.31 Notably, 13 of these 17 dolphin groups were composed of 1-3 individuals only, while there were only four medium-sized groups with 5-8 dolphins per group (**Annex II of Appendix J**).

3.5.32 Distribution of the larger dolphin groups with five individuals or more per group during the present quarter is shown in **Figure 3 of Appendix J**, with comparison to the one in baseline period. The four medium-sized groups with 5-8 dolphins were all distributed around Lung Kwu Chau (**Figure 3 of Appendix J**). Such distribution pattern was very different from the baseline period, when the larger dolphin groups were frequently sighted and evenly distributed in NWL waters, and a few were also sighted in NEL waters (**Figure 3 of Appendix J**).

Habitat Use

3.5.33 From December 2017 to February 2018, the grids that recorded moderately high to high dolphin densities were all located around Lung Kwu Chau (**Figures 4a and 4b of Appendix J**). The rest of the grids that recorded dolphin occurrence were low in densities, and scattered near Lung Kwu Tan, Pillar Point and to the northwest and southwest of the airport platform (**Figures 4a and 4b of Appendix J**).

3.5.34 Notably, all grids near HKLR03/HKBCF reclamation sites as well as TMCLKL alignment did not record any presence of dolphins at all during on-effort search in the present quarterly period (**Figures 4a and 4b of Appendix J**). However, one grid (i.e. Grid G21) overlapped with the HKLR09 alignment recorded very low dolphin density (**Figure 4b of Appendix J**).

3.5.35 It should be emphasized that the amount of survey effort collected in each grid during the three-month period was fairly low (6-12 units of survey effort for most grids), and therefore the habitat use pattern derived from the three-month dataset should be treated with caution. A more complete picture of dolphin habitat use pattern should be examined when more survey effort for each grid is collected throughout the impact phase monitoring programme.

3.5.36 When compared with the habitat use patterns during the baseline period, dolphin usage in NEL and NWL has drastically diminished in both areas during the present impact monitoring period (**Figure 5 of Appendix J**). During the baseline period, many grids between Siu Mo To and Shum Shui Kok in NEL recorded moderately high to high dolphin densities, which was in stark contrast to the complete absence of dolphins there during the present impact phase period (**Figure 5 of Appendix J**).

3.5.37 The density patterns were also very different in NWL between the baseline and impact phase monitoring periods, with high dolphin usage throughout the area, especially around Sha Chau, near Black Point, to the west of the airport, as well as between Pillar Point and airport platform during the baseline period. In contrast, only several grids with moderately high to high dolphin densities were located around Lung Kwu Chau during the present impact phase period (**Figure 5 of Appendix J**).

Mother-calf Pairs

3.5.38 During the present quarterly period, no young calf was sighted at all among the 17 groups of dolphins.

Activities and Associations with Fishing Boats

3.5.39 Only one of the 17 dolphin groups were engaged in feeding activity, while no group was engaged in socializing, traveling or milling/resting activity during the three-month study period.

3.5.40 The percentages of sightings associated with feeding activity (5.9%) was much lower than the one recorded during the baseline period (11.6%). However, it should be noted the sample sizes on total numbers of dolphin sightings were very different between the two periods.

3.5.41 Distribution of dolphins engaged in various activities during the present three-month period and baseline period is shown in (**Figure 6 of Appendix J**). The only dolphin group engaged in feeding activity was sighted to the north of Lung Kwu Chau (**Figure 6 of Appendix J**). When compared to the baseline period, distribution of various dolphin activities during the present impact phase monitoring period was drastically different with a much more restricted area of occurrences (**Figure 6 of Appendix J**).

3.5.42 Notably, one group of eight dolphins was found to be associated with an operating purse-seiner adjacent to Lung Kwu Chau within the marine park during the present impact phase period.

Summary Photo-identification works

3.5.43 From December 2017 to February 2018, over 2,000 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the photo-identification work.

3.5.44 In total, 23 individuals sighted 32 times altogether were identified (see summary table in **Annex III of Appendix J** and photographs of identified individuals in **Annex IV of Appendix J**All of these re-sightings were made in NWL. Seven individuals (i.e. NL33, NL123, NL136, NL269, NL272, NL286 and NL322) were re-sighted twice, while another individual (NL182) were re-sighted thrice during the three-month period (**Annex III of Appendix J**).

3.5.45 Notably, eight of these 23 individuals (i.e. CH34, NL123, NL136, NL182, NL226, NL261, NL272 and NL296) were also sighted in Northwest Lantau during the HKBCF monitoring surveys under the same three-month period. Moreover, only one individual (WL273) was also sighted in West Lantau waters during the HKLR09 monitoring surveys from December 2017 to February 2018, showing its extensive individual movements across different survey areas.

Individual range use

3.5.46 Ranging patterns of the 23 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in **Annex V of Appendix J**.

3.5.47 All identified dolphins sighted in the present quarter were utilizing NWL waters only, but have completely avoided NEL waters where many of them have utilized as their core areas in the past (**Annex V of Appendix J**). This is in contrary to the extensive movements between NEL and NWL survey areas observed in the earlier impact monitoring quarters as well as the baseline period.

3.5.48 On the other hand, several individuals, including WL62, WL251, WL273 and WL288, have consistently utilized WL waters in the past, but have extended their range use to NWL during the present quarter.

3.5.49 In the upcoming quarters, individual range use and movements should be continuously monitored to examine whether there has been any consistent shifts of individual home ranges from North Lantau to West or Southwest Lantau and vice versa, as such shift could possibly be related to the HZMB-related construction works (see Hung 2017).

Action Level / Limit Level Exceedance

3.5.50 There were two Action Level exceedances of dolphin monitoring for the quarterly monitoring data (between December 2017 – February 2018). According to the contractor's information, the marine activities undertaken for HKLR03 during the quarter of December 2017 – February 2018 included seawall construction, box culvert construction, road and drainage construction and road and drainage works.

3.5.51 There is no evidence showing the current AL non-compliance directly related to the construction works of HKLR03 (where the amounts of working vessels for HKLR03 have been decreasing), although the generally increased amount of vessel traffic in NEL during the impact phase has been partly contributed by HKLR03 works since October 2012. It should also be noted that reclamation work under HKLR03 (adjoining the Airport Island) situates in waters which has rarely been used by dolphins in the past, and the working vessels under HKLR03 have been travelling from source to destination in accordance with the Marine Travel Route to minimize impacts on Chinese White Dolphin (CWD). In addition, the contractor will implement proactive mitigation measures such as avoiding anchoring at Marine Department's designated anchorage site – Sham Shui Kok Anchorage (near Brothers Island) as far as practicable.

3.5.52 According to Monitoring of Chinese White Dolphins in Southwest Lantau Waters – Fourth Quarterly Report (December 2015 to February 2016) which is available on ENPO's website, with their primary ranges centered in North and West Lantau waters, some individuals showed apparent range shifts or extensions to Southwest Lantau waters in 2015-16. For example, three individual dolphins (NL120, WL46 and WL221) indicated obvious shifts in their range use from NWL to West Lantau (WL) and Southwest Lantau (SWL) waters. Moreover, many individuals (e.g. NL212, NL260, WL200, SL55, WL232, WL237 and WL265) have extended their ranges from WL waters to SWL waters. It remains to be seen whether some of these individuals have permanently shifted their ranges away from their primary ranges in North Lantau, or begin to spend more times in SWL waters as part of their ranges.

3.5.53 ENPO updated that the Hong Kong-Zhuhai-Macao Bridge Authority (HZMBA) for the Mainland section of Hong Kong-Zhuhai-Macao Bridge (HZMB) has commenced an interim survey on fisheries resources and CWD in the Mainland waters. ENPO presented the preliminary findings of the HZMBA interim survey on CWD sighting and photo-identification works which provide solid evidence that some CWD that were previously more often sighted in HK waters have expanded their ranges into the Mainland waters, and some with reduced usage in HK waters. These preliminary data were mentioned in Monitoring of Chinese White Dolphins in Southwest Lantau Waters – Fourth Quarterly Report (December 2015 to February 2016) which is available on ENPO's website.

3.5.54 A two-way ANOVA with repeated measures and unequal sample size was conducted to examine whether there were any significant differences in the average encounter rates between the baseline and impact monitoring periods. The two variables that were examined included the two periods (baseline and impact phases) and two locations (NEL and NWL).

3.5.55 For the comparison between the baseline period and the present quarter (21st quarter of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.0127 and 0.0470 respectively. If the alpha value is set at 0.05, significant differences were detected between the baseline and present quarters in both the average dolphin encounter rates of STG and ANI.

3.5.56 For comparison between the baseline period and the cumulative quarters in impact phase (i.e. first 21 quarters of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.000000 and 0.000000 respectively.

Even if the alpha value is set at 0.00001, significant differences were still detected in both the average dolphin encounter rates of STG and ANI (i.e. between the two periods and the locations).

3.5.57 The AFCD monitoring data during December 2017 to February 2018 has been reviewed by the dolphin specialist. During the same quarter, no dolphin was sighted from 68.08 km of survey effort on primary lines in NEL, while five groups of 18 dolphins were sighted from 89.41 km of survey effort on primary lines in NWL. This review has confirmed that the low occurrence of dolphins reported by the HKLR03 monitoring surveys in winter 2017-18 in NEL and NWL survey area is accurate.

3.5.58 All dolphin protective measures are fully and properly implemented in accordance with the EM&A Manual. According to the Marine Travel Route Plan, the travelling speed of vessels must not exceed 5 knots when crossing the edge of the proposed marine park. The Contractor will continue to provide training for skippers to ensure that their working vessels travel from source to destination to minimize impacts on Chinese White Dolphin and avoid anchoring at Marine Department's designated anchorage site - Sham Shui Kok Anchorage (near Brothers Island) as far as practicable. Also, it is recommended to complete the marine works of the Contract as soon as possible so as to reduce the overall duration of impacts and allow the dolphins population to recover as early as possible.

3.5.59 A meeting was held on 7 March 2018 with attendance of representative of ENPO, Resident Site Staff (RSS), Environmental Team (ET) and dolphin specialist for Contract Nos. HY/2013/01, HY/2011/03, HY/2011/09, HY/2012/07, HY/2012/08. The discussion/ recommendation as raised in the meeting which might be relevant to HKLR03 Contract are summarized below.

3.5.60 It was concluded that the HZMB works is one of the contributing factors affecting the dolphins. It was also concluded the contribution of impacts due to the HZMB works as a whole (or individual marine contracts) cannot be quantified nor separate from the other stress factors.

3.5.61 The dolphin specialists of the projects confirmed that the CWD sighting around the North of Sha Chau and Lung Kwu Chau Marine Park (SCLKCMP) has significantly decreased, and it was likely related to the re-routing of high speed ferry (HSF) from Skypier.

3.5.62 It was reminded that the ETs shall keep reviewing the implementation status of the dolphin related mitigation measures and remind the contractor to ensure the relevant measures were fully implemented.

3.5.63 It was recommended that the marine works of HZMB projects should be completed as soon as possible so as to reduce the overall duration of impacts and allow the dolphins population to recover as early as possible.

3.5.64 It was also recommended that the marine works footprint (e.g., reduce the size of peripheral silt curtain) and vessels for the marine works should be reduced as much as possible, and vessels idling / mooring in other part of the North Lantau shall be avoided whenever possible.

3.5.65 HyD updated that the draft map of the proposed Brothers Marine Park (BMP) was gazetted in February 2016. ENPO updated that the BMP was approved by the Chief Executive in the Executive Council in August 2016. The ETs were reminded to update the BMP boundary in the Regular Marine Travel Route (RMTR) Plan. The BMP was designated on 30 December 2016. It was suggested that the protection measures (e.g. speed limit control) for the approved BMP shall be brought forward so as to provide a better habitat for dolphin recovery. It was noted that under the latest RMTR Plan, the contractors have committed to reduce the vessel speed in BMP.

3.5.66 The marine travel route will shift along the edge of Brother Marine Park as much as practical under the RMTR Plan. It was noted that even though marine vessels may moor within the mooring site of BMP, commercial activities including loading / unloading / transshipment are not allowed except a permit is obtained. The HZMB works vessels were recommended to avoid the BMP.

3.5.67 It was remined that starting from January 2016, HSF from the SkyPier will be re-routed north to the northern edged of the Sha Chau and Lung Kwu Chau Marine Park which currently has the highest density of CWD in the NWL. While the HSF will reduce speed to 15 knots, the associated disturbance may still affect CWD in the area. It was implied that the CWDs in the area shall be closely followed.

3.5.68 There was a discussion on exploring possible further mitigation measures, for example, controlling the underwater noise. It was noted that the EIA reports for the projects suggested several mitigation measures, all of which have been implemented.

3.6 Mudflat Monitoring Results

Sedimentation Rate Monitoring

3.6.1 The baseline sedimentation rate monitoring was in September 2012 and impact sedimentation rate monitoring was undertaken on 7 December 2017. The mudflat surface levels at the four established monitoring stations and the corresponding XYZ HK1980 GRID coordinates are presented in **Table 3.9** and **Table 3.10.**

Table 3.9 Measured Mudflat Surface Level Results

	Baseline Monitoring (September 2012)			Impact Monitoring (December 2017)		
Monitoring Station	**Easting (m)**	**Northing (m)**	**Surface Level (mPD)**	**Easting (m)**	**Northing (m)**	**Surface Level (mPD)**
S1	810291.160	816678.727	0.950	810291.162	816678.744	1.117
S2	810958.272	815831.531	0.864	810958.253	815831.503	0.986
S3	810716.585	815953.308	1.341	810716.564	815953.329	1.479
S4	811221.433	816151.381	0.931	811221.435	816151.339	1.099

Table 3.10 Comparison of Measurement

	Comparison of measurement			Remarks and Recommendation
Monitoring Station	**Easting (m)**	**Northing (m)**	**Surface Level (mPD)**	
S1	0.002	0.017	0.167	Level continuously increased
S2	-0.019	-0.028	0.122	Level continuously increased
S3	-0.021	0.021	0.138	Level continuously increased
S4	0.002	-0.042	0.168	Level continuously increased

3.6.2 This measurement result was generally and relatively higher than the baseline measurement at S1, S2, S3 and S4. The mudflat level is continuously increased.

Water Quality Monitoring

3.6.3 The mudflat monitoring covered water quality monitoring data. Reference was made to the water quality monitoring data of the representative water quality monitoring station (i.e. SR3(N)) as in the EM&A Manual. The water quality monitoring location (SR3(N)) is shown in **Figure 2.1**.

3.6.4 Impact water quality monitoring in San Tau (monitoring station SR3) was conducted in December 2017. The monitoring parameters included dissolved oxygen (DO), turbidity and suspended solids (SS).

3.6.5 The Impact monitoring result for SR3(N) were extracted and summarised below:

Table 3.11 Impact Water Quality Monitoring Results (Depth Average)

Date	Mid Ebb Tide			Mid Flood Tide		
	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
1-Dec-17	7.1	6.2	6.0	7.1	6.2	6.0
4-Dec-17	7.1	6.2	7.6	7.0	7.9	13.7
6-Dec-17	7.2	10.4	11.2	7.2	9.8	10.9
8-Dec-17	7.2	8.6	13.4	7.0	10.8	12.3
11-Dec-17	7.6	6.5	13.0	7.4	8.2	13.2
13-Dec-17	7.3	4.3	6.5	7.4	6.5	11.8
15-Dec-17	7.1	6.1	6.8	7.4	5.3	6.5
18-Dec-17	7.4	5.0	6.9	7.3	5.9	5.6
20-Dec-17	7.9	6.6	8.3	7.6	8.3	13.1
22-Dec-17	8.0	6.2	8.8	7.9	6.0	9.6
25-Dec-17	8.1	7.6	7.9	8.1	6.6	8.5
27-Dec-17	7.9	4.2	3.8	7.8	6.6	7.4
29-Dec-17	7.9	5.5	5.6	7.9	5.5	5.1
Average	7.5	6.4	8.1	7.5	7.2	9.5

Mudflat Ecology Monitoring

Sampling Zone

3.6.6 In order to collect baseline information of mudflats in the study site, the study site was divided into three sampling zones (labeled as TC1, TC2, TC3) in Tung Chung Bay and one zone in San Tau (labeled as ST) (**Figure 2.1 of Appendix O**). The horizontal shoreline of sampling zones TC1, TC2, TC3 and ST were about 250 m, 300 m, 300 m and 250 m respectively (**Figure 2.2 of Appendix O**). Survey of horseshAoe crabs, seagrass beds and intertidal communities were conducted in every sampling zone. The present survey was conducted in December 2017 (totally 5 sampling days between 9th and 22nd December 2017).

3.6.7 Since the field survey of Jun. 2016, increasing number of trashes and even big trashes (**Figure 2.3 of Appendix O**) were found in every sampling zone. It raised a concern about the solid waste dumping and current-driven waste issues in Tung Chung Wan. Respective measures (e.g. manual clean-up) should be implemented by responsible units.

Horseshoe Crabs

3.6.8 Active search method was conducted for horseshoe crab monitoring by two experienced surveyors in every sampling zone. During the search period, any accessible and potential area would be investigated for any horseshoe crab individuals within 2-3 hours of low tide period (tidal level below 1.2 m above Chart Datum (C.D.)). Once a horseshoe crab individual was found, the species was identified referencing to Li (2008). The prosomal width, inhabiting substratum and respective GPS coordinate were recorded. A photographic record was taken for future investigation. Any grouping behavior of individuals, if found, was recorded. The horseshoe crab surveys were conducted on 9th (for TC3 and ST) and 22nd (for TC1 and TC2) December 2017. The weather was generally cold and dry on both field days without rainfall.

3.6.9 In Jun. 2017, a big horseshoe crab was tangled by a trash gill net in ST mudflat (**Figure 2.3 of Appendix O**). It was released to sea once after photo recording. The horseshoe crab of such size should be inhabitating sub-tidal environment while it forages on intertidal shore occasionally during high tide period. If it is tangled by the trash net for few days, it may die due to starvation or overheat during low tide period. These trash gill nets are definitely 'fatal trap' for the horseshoe crabs and other marine life. Manual clean-up should be implemented as soon as possible by responsible units.

Seagrass Beds

3.6.10 Active search method was conducted for seagrass bed monitoring by two experienced surveyors in every sampling zone. During the search period, any accessible and potential area would be investigated for any seagrass beds within 2-3 hours of low tide period. Once seagrass bed was found, the species, estimated area, estimated coverage percentage and respective GPS coordinates were recorded. The seagrass beds surveys were conducted on 9th (for TC3 and ST) and 22nd (for TC1 and TC2) December 2017. The weather was generally cold and dry on both field days without rainfall.

Intertidal Soft Shore Communities

3.6.11 The intertidal soft shore community surveys were conducted in low tide period on 10th (for TC1), 16th (for TC2), 17th (for TC3) and 21st (for ST) December 2017. In every sampling zone, three 100m horizontal transect lines were laid at high tidal level (H: 2.0 m above C.D.), mid tidal level (M: 1.5 m above C.D.) and low tidal level (L: 1.0 m above C.D.). Along every horizontal transect line, ten random quadrats (0.5 m x 0.5 m) were placed.

3.6.12 Inside a quadrat, any visible epifauna were collected and were in-situ identified to the lowest practical taxonomical resolution. Whenever possible a hand core sample (10 cm internal diameter × 20 cm depth) of sediments was collected in the quadrat. The core sample was gently washed through a sieve of mesh size 2.0 mm in-situ. Any visible infauna were collected and identified. Finally the top 5 cm surface sediments was dug for visible infauna in the quadrat regardless of hand core sample was taken.

3.6.13 All collected fauna were released after recording except some tiny individuals that are too small to be identified on site. These tiny individuals were taken to laboratory for identification under dissecting microscope.

3.6.14 The taxonomic classification was conducted in accordance to the following references: Polychaetes: Fauchald (1977), Yang and Sun (1988); Arthropods: Dai and Yang (1991), Dong (1991); Mollusks: Chan and Caley (2003), Qi (2004).

Data Analysis

3.6.15 Data collected from direct search and core sampling was pooled in every quadrat for data analysis. Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) were calculated for every quadrat using the formulae below,

$H' = -\Sigma (Ni / N) \ln (Ni / N)$ (Shannon and Weaver, 1963)
$J = H' / \ln S$, (Pielou, 1966)

where S is the total number of species in the sample, N is the total number of individuals, and Ni is the number of individuals of the ith species.

Mudflat Ecology Monitoring Results and Conclusion

3.6.16 In the present survey, two species of horseshoe crab *Carcinoscorpius rotundicauda* (total 8 ind.) and *Tachypleus tridentatus* (total 3 ind.) were recorded. The recorded individuals were scattered along the shoreline from TC3 to ST on similar substratum (fine sand or soft mud, slightly submerged). No grouping was observed. Photo records were shown in **Figure 3.1 of Appendix O** while the complete survey records were listed in **Annex II of Appendix O**.

3.6.17 **Table 3.1 of Appendix O** summarizes the survey results of horseshoe crab in the present survey. For *Carcinoscorpius rotundicauda*, very few individuals were found in TC3 (1 ind.) and ST (5 ind.) only resulting in very low search record (0.2-0.8 ind. hr^{-1} $person^{-1}$). The average body size was 44.24 mm (prosomal width ranged 27.64-79.79 mm) in ST.

3.6.18 For *Tachypleus tridentatus*, very few individuals were found in TC3 (2 ind.) and ST (3 ind.) either resulting in very low search record (0.3-0.5 ind. hr^{-1} $person^{-1}$). The average body sizes were 43.92 mm (prosomal width ranged 37.23-50.61 mm) in TC3 and 58.67 mm (37.34-73.45 mm) in ST.

3.6.19 In the previous survey of Mar. 2015, there was one important finding that a mating pair of *Carcinoscorpius rotundicauda* was found in ST (prosomal width: male 155.1 mm, female 138.2 mm) (**Figure 3.2 of Appendix O**). It indicated the importance of ST as a breeding ground of horseshoe crab. In Jun. 2017, mating pairs of *Carcinoscorpius rotundicauda* were also found in TC2 (male 175.27 mm, female 143.51 mm) and TC3 (male 182.08 mm, female 145.63 mm) (**Figure 3.2 of Appendix O**). In Dec. 2017 (present survey), one mating pair was of *Carcinoscorpius rotundicauda* was found in TC3 (male 127.80 mm, female 144.61 mm) (**Figure 3.2 of Appendix O**). These mating pairs indicated that breeding of horseshoe crab could be possible along the coast of Tung Chung Wan rather than ST only, as long as suitable substratum was available. The recorded mating pairs were found nearly burrowing in soft mud at low tidal level (0.5-1.0 m above C.D.). The smaller male was holding the opisthosoma (abdomen carapace) of larger female from behind. Moreover, suitable breeding period was believed in wet season (Mar - Sep.) because tiny individuals (i.e. newly hatched) were usually recorded in Jun. and Sep. every year.

3.6.20 In the previous surveys (Jun. 2016, Jun. 2017, Sep. 2017) present survey (Dec. 2017), there were occasional records of large individuals of *Carcinoscorpius rotundicauda* (prosomal width ranged 114.45- 178.67 mm, either single or in pair) in ST (**Figure 3.3 of Appendix O**). Based on their sizes, it indicated that individuals of prosomal width larger than 100 mm would progress its nursery stage from intertidal habitat to sub-tidal habitat of Tung Chung Wan. These large individuals might move onto intertidal shore occasionally during high tide for foraging and breeding. Because they should be inhabiting sub-tidal habitat most of the time. Their records were excluded from the data analysis to avoid mixing up with juvenile population living on intertidal habitat.

3.6.21 No marked individual of horseshoe crab was recorded in the present survey. Some marked individuals were found in the previous surveys of Sep. 2013, Mar. 2014 and Sep. 2014. All of them were released through a conservation programme in charged by Prof. Paul Shin (Department of Biology and Chemistry, The City University of Hong Kong (CityU)). It was a re-introduction trial of artificial bred horseshoe crab juvenile at selected sites. So that the horseshoe crab population might be restored in the natural habitat. Through a personal conversation with Prof. Shin, about 100 individuals were released in the sampling zone ST on 20 June 2013. All of them were marked with color tape and internal chip detected by specific chip sensor. There should be second round of release between June and September 2014 since new marked individuals were found in the survey of Sep. 2014.

3.6.22 The artificial bred individuals, if found, would be excluded from the results of present monitoring programme in order to reflect the changes of natural population. However, the mark on their prosoma might have been detached during moulting after a certain period of release. The artificially released individuals were no longer distinguishable from the natural population without the specific chip sensor. The survey data collected would possibly cover both natural population and artificially bred individuals.

Population difference among the sampling zones

3.6.23 **Figures 3.4 and 3.5 of Appendix O** show the changes of number of individuals, mean prosomal width and search record of horseshoe crabs *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* respectively in every sampling zone throughout the monitoring period.

3.6.24 For TC3 and ST, medium to high search records (i.e. number of individuals) of both species were always found in wet season (Jun. and Sep.). The search record of ST was higher from Sep. 2012 to Jun. 2014 while it was replaced by TC3 from Sep. 2014 to Jun. 2015. The search records were similar between two sampling zones from Sep. 2015 to Jun. 2016. In Sep. 2016, the search record of *Carcinoscorpius rotundicauda* in ST was much higher than TC3. From Mar. to Jun. 2017, the search records of both species were similar again between two sampling zones. It showed a natural variation of horseshoe crab population in these two zones due to weather condition and tidal effect. No obvious difference of horseshoe crab population was noted between TC3 and ST. In Sep. 2017, the search records of both horseshoe crab species decreased except the *Carcinoscorpius rotundicauda* in TC3. The survey results were different from previous findings that there were usually higher search records in Sep. One possible reason was that the serial cyclone hit decreased horseshoe crab activity (totally 4 cyclone records between Jun. and Sep. 2017, to be discussed in 'Seagrass survey' section).

3.6.25 For TC1, the search record was at low to medium level throughout the monitoring period. The change of *Carcinoscorpius rotundicauda* was relatively more variable than that of *Tachypleus tridentatus*. Relatively, the search record was very low in TC2 (2 ind. in Sep. 2013; 1 ind. in Mar., Jun., Sep. 2014, Mar. and Jun. 2015; 4 ind. in Sep. 2015; 6 ind. in Jun. 2016; 1 ind. in Sep. 2016, Mar., Jun. and Sep. 2017).

3.6.26 About the body size, larger individuals of *Carcinoscorpius rotundicauda* were usually found in ST and TC1 relative to those in TC3. For *Tachypleus tridentatus*, larger individuals were usually found in ST followed by TC3 and TC1. Throughout the monitoring period, it was obvious that TC3 and ST (western shore of Tung Chung Wan) was an important nursery ground for horseshoe crab especially newly hatched individuals due to larger area of suitable substratum (fine sand or soft mud) and less human disturbance (far from urban district). Relatively, other sampling zones were not a suitable nursery ground especially TC2. Possible factors were less area of suitable substratum (especially TC1) and higher human disturbance (TC1 and TC2: close to urban district and easily accessible). In TC2, large daily salinity fluctuation was a possible factor either since it was flushed by two rivers under tidal inundation. The individuals inhabiting TC1 and TC2 were confined in small foraging area due to limited area of suitable substrata. Although a mating pair of *Carcinoscorpius rotundicauda* was found in TC2, the hatching rate and survival rate of newly hatched individuals were believed very low.

Seasonal variation of horseshoe crab population

3.6.27 Throughout the monitoring period, the search record of horseshoe crab declined obviously during dry season especially December (**Figures 3.3 and 3.4 of Appendix O**). In Dec. 2012, 4 individuals of *Carcinoscorpius rotundicauda* and 12 individuals of *Tachypleus tridentatus* were found only. In Dec. 2013, no individual of horseshoe crab was found. In Dec. 2014, 2 individuals of *Carcinoscorpius rotundicauda* and 8 individuals of *Tachypleus tridentatus* were found only. In Dec. 2015, 2 individuals of *Carcinoscorpius rotundicauda*, 6 individuals of *Tachypleus tridentatus* and one newly hatched, unidentified individual were found only. The horseshoe crabs were inactive and burrowed in the sediments during cold weather (<15 ºC). Similar results of low search record in dry season were reported in a previous territory-wide survey of horseshoe crab. For example, the search records in Tung Chung Wan were 0.17 ind. hr^{-1} $person^{-1}$ and 0.00 ind. hr^{-1} $person^{-1}$ in wet season and dry season respectively (details see Li, 2008). Relatively the serach records were much higher in Dec. 2016. There were totally 70 individuals of *Carcinoscorpius rotundicauda* and 24 individuals of *Tachypleus tridentatus* in TC3 and ST. Because the survey was arranged in early December while the weather was warm with sunlight (~22 °C during dawn according to Hong Kong Observatory database, Chek Lap Kok station on 5 Dec). In contrast, there was no search record in TC1 and TC2 because the survey was conducted in mid December with colder and cloudy weather (~20 °C during dawn on 19

Dec). The horseshoe crab activity would decrease gradually with the colder climate. In Dec. 2017 (present survey), the weather was cold (13-15 ºC during dawn) that very few individuals of both specis could be found as mentioned above.

3.6.28 From Sep. 2012 to Dec. 2013, *Carcinoscorpius rotundicauda* was a less common species relative to *Tachypleus tridentatus*. Only 4 individuals were ever recorded in ST in Dec. 2012. This species had ever been believed of very low density in ST hence the encounter rate was very low. Since Mar. 2014, it was found in all sampling zones with higher abundance in ST. Based on its average size (mean prosomal width 39.28-49.81 mm), it indicated that breeding and spawning of this species had occurred about 3 years ago along the coastline of Tung Chun Wan. However, these individuals were still small while their walking trails were inconspicuous. Hence there was no search record in previous sampling months. Since Mar. 2014, more individuals were recorded due to larger size and higher activity (i.e. more conspicuous walking trail).

3.6.29 For *Tachypleus tridentatus*, sharp increase of number of individuals was recorded in ST during the wet season of 2013 (from Mar. to Sep.). According to a personal conversation with Prof. Shin (CityU), his monitoring team had recorded similar increase of horseshoe crab population during wet season. It was believed that the suitable ambient temperature increased its conspicuousness. However similar pattern was not recorded in the following wet seasons. The number of individuals increased in Mar. and Jun. 2014 followed by a rapid decline in Sep. 2014. Then the number of individuals fluctuated slightly in TC3 and ST until Mar. 2017. Apart from natural mortality, migration from nursery soft shore to subtidal habitat was another possible cause. Since the mean prosomal width of *Tachypleus tridentatus* continued to grow and reached about 50 mm since Mar. 2014. Then it varied slightly between 35-65 mm from Sep. 2014 to Mar. 2017. Most of the individuals might have reached a suitable size (e.g. prosomal width 50-60 mm) strong enough to forage in sub-tidal habitat. In Jun. 2017, the number of individuals increased sharply again in TC3 and ST. Although mating pair of *Tachypleus tridentatus* was not found in previous surveys, there should be new round of spawning in the wet season of 2016. The individuals might have grown to a more conspicuous size in 2017 accounting for higher search record.

3.6.30 Recently, *Carcinoscorpius rotundicauda* was a more common horseshoe crab species in Tung Chung Wan. It was recorded in the four sampling zones while the majority of population located in TC3 and ST. Due to potential breeding last year, *Tachypleus tridentatus* became common again and distributed in TC3 and ST only. Since TC3 and ST were regarded as important nursery ground for both horseshoe crab species, box plots of prosomal width of two horseshoe crab species were constructed to investigate the changes of population in details.

Box plot of horseshoe crab populations in TC3

3.6.31 **Figure 3.6 of Appendix O** shows the changes of prosomal width of *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* in TC3. As mentioned above, *Carcinoscorpius rotundicauda* was rarely found between Sep. 2012 and Dec. 2013 hence the data were lacking. In Mar 2014, the major size (50% of individual records between upper (top of red box) and lower quartile (bottom of blue box)) ranged 40-60 mm while only few individuals were found. From Mar. 2014 to Jun. 2017, the median prosomal width (middle line of whole box) and major size (whole box) decreased after Mar. of every year. It was due to more small individuals found. It indicated new rounds of spawning. Also there were slight increasing trends of body size from Jun. to Mar. of next year since 2015. It indicated a stable growth of individuals. Focused on larger juveniles (upper whisker), the size range was quite variable (prosomal width 60-90 mm) along the sampling months. Juveniles reaching this size might gradually migrate to sub-tidal habitats.

3.6.32 For *Tachypleus tridentatus*, the major size ranged 20-50 mm while the number of individuals fluctuated from Sep. 2012 to Jun. 2014. Then a slight but consistent growing trend was observed from Sep. 2014 to Jun. 2015. The prosomal width increased from 25-35 mm to 35-65 mm. As mentioned, the large individuals might have reached a suitable size for migrating from the nursery soft shore to subtidal habitat. It accounted for the declined population in TC3. From Mar. to Sep. 2016, slight increasing trend of major size was noticed again. From Dec. 2016 to Jun. 2017, similar increasing trend of major size was noted with much higher number of individuals. It reflected new round of spawning. In Sep. 2017 (present survey), the major size decreased while the trend was different from previous two years. Such decline might be the cause of serial cyclone hit between Jun. and Sep. 2017 (to be discussed in the 'Seagrass survey' section). Across the whole monitoring period, the larger juveniles (upper whisker) reached 60-80 mm in prosomal width while it could reach 90 mm in present survey. Juveniles reaching this size might gradually migrate to sub-tidal habitats.

Box plot of horseshoe crab populations in ST

3.6.33 **Figure 3.7 of Appendix O** shows the changes of prosomal width of *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* in ST. As mentioned above, *Carcinoscorpius rotundicauda* was rarely found between Sep. 2012 and Dec. 2013 hence the data were lacking. From Mar. 2014 to Sep. 2017, the size of major population decreased and more small individuals (i.e. lower whisker) were recorded after Jun. of every year. It indicated new round of spawning. Also there were similar increasing trends of body size from Sep. to Jun. of next year between 2014 and 2017. It indicated a stable growth of individuals. Across the whole monitoring period, the larger juveniles (i.e. upper whisker) usually ranged 60-80 mm in prosomal width except one individual (prosomal width 107.04 mm) found in Mar. 2017. It reflected juveniles reaching this size would gradually migrate to sub-tidal habitats.

3.6.34 For *Tachypleus tridentatus*, a consistent growing trend was observed for the major population from Dec. 2012 to Dec. 2014 regardless of change of search record. The prosomal width increased from 15-30 mm to 60-70 mm. As mentioned, the large juveniles might have reached a suitable size for migrating from the nursery soft shore to subtidal habitat. From Mar. to Sep. 2015, the size of major population decreased slightly to a prosomal width 40-60 mm. At the same time, the number of individuals decreased gradually. It further indicated some of large juveniles might have migrated to sub-tidal habitat, leaving the smaller individuals on shore. There was an overall growth trend. In Dec. 2015, two big individuals (prosomal width 89.27 mm and 98.89 mm) were recorded only while it could not represent the major population. In Mar. 2016, the number of individual was very few in ST that no boxplot could be produced. In Jun. 2016, the prosomal width of major population ranged 50-70 mm. But it dropped clearly to 30-40 mm in Sep. 2016 followed by an increase to 40-50 mm in Dec. 2016, 40-70 mm in Mar. 2017 and 50-60mm in Jun. 2017. Based on overall higher number of small individuals from Jun. 2016 to Sep. 2017 (present survey), it indicated new round of spawning. Throughout the monitoring period, the larger juveniles ranged 60-80 mm in prosomal width. Juveniles reaching this size would gradually migrate to sub-tidal habitats.

3.6.35 As a summary for horseshoe crab populations in TC3 and ST, there were spawning of *Carcinoscorpius rotundicauda* from 2014 to 2016 while the spawning time should be in spring. There were consistent, increasing trends of population size in these two sampling zones. For *Tachypleus tridentatus*, small individuals were rarely found in both zones from 2014 to 2015. It was believed no occurrence of successful spawning. The existing individuals (that recorded since 2012) grew to a mature size and migrated to sub-tidal habitat. Hence the number of individuals decreased gradually. In 2016, new round of spawning was recorded in ST while increasing number of individuals and body size was noticed.

Impact of the HKLR project

3.6.36 It was the 21st survey of the EM&A programme during the construction period. Based on the results, impact of the HKLR project could not be detected on horseshoe crabs. The population change was mainly determined by seasonal variation while new rounds of spawning were observed for both species. In case, abnormal phenomenon (e.g. very few numbers of horseshoe crab individuals in wet season, large number of dead individuals on the shore) is found, it would be reported as soon as possible.

Seagrass Beds

3.6.37 From Sep. to Dec. 2017 (present survey), no seagrass bed was recorded in Tung Chung Wan. Extensive area of mudflat, where used to be covered by seagrass beds, re-exposed along TC3 and ST (**Figure 3.8 of Appendix O**). In the previous survey of Jun. 2017, two species of seagrass *Halophila ovalis* and *Zostera japonica* were recorded in TC3 and ST (**Figure 3.9 of Appendix O**). There was still extensive seagrass area (~17046.5 m^2) of *Halophila ovalis* along the mudflat between TC3 and ST at 0.5-2.0 m above C.D.. Another seagrass species *Zostera japonica*, which was much lower in vegetation area (~105.4 m^2), was co-existing with few patches of *Halophila ovalis* nearby the mangrove strand. The disappearance of seagrass beds would be discussed in later paragraphs.

3.6.38 According to the previous results, majority of seagrass bed was confined in ST, the temporal change of both seagrass species were investigated in details:

Temporal variation of seagrass beds

3.6.39 **Figure 3.10 of Appendix O** shows the changes of estimated total area of seagrass beds in ST along the sampling months. For *Zostera japonica*, it was not recorded in the 1st and 2nd surveys of monitoring programme. Seasonal recruitment of few small patches (total seagrass area: 10 m^2) was found in Mar. 2013 that grew within the large patch of seagrass *Halophila ovalis*. Then the patch size increased and merged gradually with the warmer climate from Mar. to Jun. 2013 (15 m^2). However the patch size decreased and remained similar from Sep. 2013 (4 m^2) to Mar. 2014 (3 m^2). In Jun. 2014, the patch size increased obviously again (41 m^2) with warmer climate followed by a decrease between Sep. 2014 (2 m^2) and Dec. 2014 (5 m^2). From Mar. to Jun. 2015, the patch size increased sharply again (90 m^2). It might be due to the disappearance of the originally dominant seagrass *Halophila ovalis* resulting in less competition for substratum and nutrients. From Sep.2015 to Jun.2016, it was found coexisting with seagrass *Halophila ovalis* with steady increasing patch size (from 44 m^2 to 115 m^2) and variable coverage. In Sep. 2016, the patch size decreased again to (38 m^2) followed by an increase to a horizontal strand (105.4 m^2) in Jun. 2017 (present survey). And it was no longer co-existing with *Halophila ovalis*. Between Sep. 2014 and Jun. 2017, an increasing trend was noticed from Sep. to Jun. of next year followed by a rapid decline in Sep. of next year. It was possibly the causes of heat stress, typhoon and stronger grazing pressure during wet season. In Sep. and Dec. 2017 (present survey), no seagrass patch of *Zostera japonica* was found.

3.6.40 For *Halophila ovalis*, it was recorded as 3-4 medium to large patches (area 18.9-251.7 m^2; vegetation coverage 50-80%) beside the mangrove vegetation at tidal level 2 m above C.D. in Sep. 2012 (first survey). The total seagrass bed area grew steadily from 332.3 m^2 in Sep. 2012 to 727.4 m^2 in Dec. 2013. Flowers were observed in the largest patch during its flowering period. In Mar. 2014, 31 small to medium patches were newly recorded (variable area 1-72 m^2 per patch, vegetation coverage 40-80% per patch) in lower tidal zone between 1.0 and 1.5 m above C.D. The total seagrass area increased further to 1350 m^2. In Jun. 2014, these small and medium patches grew and extended to each other. These patches were no longer distinguishable and were covering a significant mudflat area of ST. It was generally grouped into 4 large patches (1116 – 2443 m^2) of seagrass beds characterized of patchy distribution, variable vegetable coverage (40-80%) and smaller leaves. The total seagrass bed area increased sharply to 7629 m^2. In Sep. 2014, the total seagrass area declined sharply to 1111 m^2. There were only 3-4 small to large patches (6-253 m^2) at high tidal level and 1 large patch at low tidal level (786 m^2). Typhoon or strong water current was a possible cause (Fong, 1998). In Sep. 2014, there were two tropical cyclone records in Hong Kong (7th-8th Sep.: no cyclone name, maximum signal number 1; 14th-17th Sep.: Kalmaegi, maximum signal number 8SE) before the seagrass survey dated 21st Sep. 2014. The strong water current caused by the cyclone, Kalmaegi especially, might have given damage to the seagrass beds. In addition, natural heat stress and grazing force were other possible causes reducing seagrass beds area. Besides, very small patches of *Halophila ovalis* could be found in other mud flat area in addition to the recorded patches. But it was hardly distinguished due to very low coverage (10-20%) and small leaves.

3.6.41 In Dec. 2014, all the seagrass patches of *Halophila ovalis* disappeared in ST. **Figure 3.10 of Appendix O** shows the difference of the original seagrass beds area nearby the mangrove vegetation at high tidal level between Jun. 2014 and Dec. 2014. Such rapid loss would not be seasonal phenomenon because the seagrass beds at higher tidal level (2.0 m above C.D.) were present and normal in December 2012 and 2013. According to Fong (1998), similar incident had occurred in ST in the past. The original seagrass area had declined significantly during the commencement of the construction and reclamation works for the international airport at Chek Lap Kok in 1992. The seagrass almost disappeared in 1995 and recovered gradually after the completion of reclamation works. Moreover, incident of rapid loss of seagrass area was also recorded in another intertidal mudflat in Lai Chi Wo in 1998 with unknown reason. Hence *Halophila ovalis* was regarded as a short-lived and *r*-strategy seagrass that could colonize areas in short period but disappears quickly under unfavourable conditions (Fong, 1998).

Unfavourable conditions to seagrass *Halophila ovalis*

3.6.42 Typhoon or strong water current was suggested as one unfavourable condition to *Halophila ovalis* (Fong, 1998). As mentioned above, there were two tropical cyclone records in Hong Kong in Sep. 2014. The strong water current caused by the cyclones might have given damage to the seagrass beds.

3.6.43 Prolonged light deprivation due to turbid water would be another unfavouable condition. Previous studies reported that *Halophila ovalis* had little tolerance to light deprivation. During experimental darkness, seagrass biomass declined rapidly after 3-6 days and seagrass died completely after 30 days. The rapid death might be due to shortage of available carbohydrate under limited photosynthesis or accumulation of phytotoxic end products of anaerobic respiration (details see Longstaff *et al*., 1999). Hence the seagrass bed of this species was susceptible to temporary light deprivation events such as flooding river runoff (Longstaff and Dennison, 1999).

3.6.44 In order to investigate any deterioration of water quality (e.g. more turbid) in ST, the water quality measurement results at two closest monitoring stations SR3 and IS5 of the EM&A programme were obtained from the water quality monitoring team. Based on the results from June to December 2014, the overall water quality was in normal fluctuation except there was one exceedance of suspended solids (SS) at both stations in September. On 10th Sep., 2014, the SS concentrations measured during mid-ebb tide at stations SR3 (27.5 mg/L) and IS5 (34.5 mg/L) exceeded the Action Level (≤23.5 mg/L and 120% of upstream control station’s reading) and Limit Level (≤34.4 mg/L and 130% of upstream control station’s reading) respectively. The turbidity readings at SR3 and IS5 reached 24.8-25.3 NTU and 22.3-22.5 NTU respectively. The temporary turbid water should not be caused by the runoff from upstream rivers. Because there was no rain or slight rain from 1st to 10th Sep. 2014 (daily total rainfall at the Hong Kong International Airport: 0-2.1 mm; extracted from the climatological data of Hong Kong Observatory). The effect of upstream runoff on water quality should be neglectable in that period. Moreover the exceedance of water quality was considered unlikely to be related to the contract works of HKLR according to the ‘Notifications of Environmental Quality Limits Exceedances’ provided by the respective environmental team. The respective construction of seawall and stone column works, which possibly caused turbid water, were carried out within silt curtain as recommended in the EIA report. Moreover there was no leakage of turbid water, abnormity or malpractice recorded during water sampling. In general, the exceedance of suspended solids concentration was considered to be attributed to other external factors, rather than the contract works.

3.6.45 Based on the weather condition and water quality results in ST, the co-occurrence of cyclone hit and turbid waters in Sep. 2014 might have combined the adverse effects on *Halophila ovalis* that leaded to disappearance of this short-lived and *r*-strategy seagrass species. Fortunately *Halophila ovalis* was a fast-growing species (Vermaat *et al*., 1995). Previous studies showed that the seagrass bed could be recovered to the original sizes in 2 months through vegetative propagation after experimental clearance (Supanwanid, 1996). Moreover it was reported to recover rapidly in less than 20 days after dugong herbivory (Nakaoka and Aioi, 1999). As mentioned, the disappeared seagrass in ST in 1995 could recover gradually after the completion of reclamation works for international airport (Fong, 1998). The seagrass beds of *Halophila ovalis* might recolonize the mudflat of ST through seed reproduction as long as there was no unfavourable condition in the coming months.

Recolonization of seagrass beds

3.6.46 **Figure 3.10 of Appendix O** shows the recolonization of seagrass bed area in ST from Dec. 2014 to Jun. 2017. From Mar. to Jun. 2015, 2-3 small patches of *Halophila ovalis* were newly found coinhabiting with another seagrass species *Zostera japonica*. But its total patch area was still very low relative to the previous records. The recolonization rate was low while cold weather and insufficient sunlight were possible factors between Dec. 2014 and Mar. 2015. Moreover, it would need to compete with seagrass *Zostera japonica* for substratum and nutrient. Since *Zostera japonica* had extended and had covered the original seagrass bed of *Halophila ovalis* at certain degree. From Jun. 2015 to Mar. 2016, the total seagrass area of *Halophila ovalis* had increased rapidly from 6.8 m^2 to 230.63 m^2. It had recolonized its original patch locations and covered *Zostera japonica*. In Jun. 2016, the total seagrass area increased sharply to 4707.3 m^2. Similar to the previous records of Mar to Jun. 2014, the original patch area increased further to a horizontally long strand. Another large seagrass beds colonized the lower tidal zone (1.0-1.5 m above C.D.). In Sep. 2016, this patch extended much and covered significant soft mud area of ST, resulting in sharp increase of total area (24245 m^2). It indicated the second extensive colonization of this *r*-strategy seagrass. In Dec. 2016, this extensive seagrass patch decreased in size and had separated into few, undistinguishable patches. Moreover, the horizontal strand nearby the mangrove vegetation decreased in size (Fig. 3.10). The total seagrass bed decreased to 12550 m^2. From Mar. to Jun. 2017, the seagrass bed area remained generally stable (12438-17046.5 m^2) but the vegetation coverage fluctuated (20-50% in Mar. 2017 to 80-100% in Jun. 2017).

Re-disappearance of seagrass bed

3.6.47 In Jun 2017, the whole seagrass bed of *Halophila ovalis* disappeared again along the shore of TC3 and ST (**Figure 3.10 of Appendix O**). It was similar to the case between Sep. and Dec. 2014. As mentioned, strong water current (e.g. cyclone) or deteriorated water quality (e.g. high turbidity) were the possible causes.

3.6.48 Between the survey periods of Jun. and Sep. 2017, there were four tropical cyclone records in Hong Kong (Merbok in 12-13th, Jun.; Roke in 23rd, Jul.; Hato in 22-23rd, Aug.; Pakhar in 26-27th, Aug.) (online database of Hong Kong Observatory). All of them reaches signal 8 or above especially Hato (highest signal 10).

3.6.49 According to the water quality monitoring results (Jul. to Aug. 2017) of the two closest monitoring stations SR3 and I5 of the respective EM&A programme, the overall water quality was in normal fluctuation. There was one exceedance of suspended solids (SS) at SR3 on 12 Jul. 2017. The SS concentration reached 24.7 mg/L during mid-ebb tide. It exceeded the Action Level (≤23.5 mg/L) but was far below the Limit Level (≤34.4 mg/L). Since such exceedance was slight and temporary, its effect to seagrass bed should be minimal.

3.6.50 Overall, the disappearance of seagrass beds in ST was believed the cause of serial cyclone hit in Jul and Aug. 2017. Based on previous findings, the seagrass beds of both species were expected to recolonize the mudflat as long as the vicinal water quality was normal. The recolonization would be a gradual process lasting for about 1.5 years. In Dec. 2017 (present survey), there was no recolonization recorded.

Impact of the HKLR project

3.6.51 It was the 21st survey of the EM&A programme during the construction period. According to the results of present survey, the disappearance of seagrass beds was believed the cause of serial cyclone hits rather than impact of HKLR project. Based on previous findings, the seagrass beds were expected to recolonize the mudflat gradually in the future, as long as the vicinal water quality remained normal.

Intertidal Soft Shore Communities

3.6.52 **Table 3.2 and Figure 3.12 of Appendix O** show the types of substratum along the horizontal transect at every tidal level in all sampling zones. The relative distribution of different substrata was estimated by categorizing the substratum types (Gravels & Boulders / Sands / Soft mud) of the ten random quadrats along the horizontal transect. The distribution of substratum types varied among tidal levels and sampling zones:

- In TC1, even distribution of 'Gravels and Boulders' (50%) and 'Sands' (50%) were recorded at high tidal level. High percentages of 'Gravels and Boulders' (80-90%) was recorded at mid and low tidal levels followed by 'Sands' (10-20%).
- In TC2, high percentages of 'Sands' (40%) and 'Soft mud' (40%) were recorded at high tidal level. At mid tidal level, the major substratum type was 'Soft mud' (80%) followed by 'Gravels and Boulders' (20%). At low tidal level, the major substratum type was 'Soft mud' (90%).
- In TC3, high percentage of 'Sands' (80%) was recorded at high tidal level. But even distirbution of substratum types were recorded at mid tidal level ('Sands' (50%), 'Soft mud' (30%), 'Gravels and Boulders' (20%)). At low tidal level, the major substratum type was 'Gravels and Boulders' (90%).
- In ST, 'Gravels and Boulders' was the main substratum (70-90%) at high and mid tidal levels. At low tidal level, the substartum types were mainly 'Soft mud' (60%) and 'Sands' (30%).

3.6.53 There was neither consistent vertical nor horizontal zonation pattern of substratum type in all sampling zones. Such heterogeneous variation should be caused by different hydrology (e.g. wave in different direction and intensity) received by the four sampling zones.

3.6.54 **Table 3.3 of Appendix O** lists the total abundance, density and number of taxon of every phylum in this survey. A total of 10055 individuals were recorded. Mollusca was clearly the most abundant phylum (total abundance 9796 ind., density 327 ind. m^{-2}, relative abundance 97.4%). The second to fourth abundant phya were Arthropoda (182 ind., 6 ind. m^{-2}, 1.8%), Annelida (45 ind., 2 ind. m^{-2}, 0.4%) and Sipuncula (16 ind., 1 ind. m^{-2}, 0.2%) respectively. Relatively other phyla were very low in abundances (density $\leq$1 ind. m^{-2}, relative abundance $\leq$0.2%). Moreover, the most diverse phylum was Mollusca (37 taxa) followed by Arthropoda (13 taxa) and Annelida (9 taxa). There was 1-2 taxa recorded only for other phyla. The taxonomic resolution and complete list of collected specimens are shown in **Annexes IV and V of Appendix O** respectively.

3.6.55 **Table 3.4 of Appendix O** shows the number of individual, relative abundance and density of each phylum in every sampling zone. The total abundance (1211-4768 ind.) varied among the four sampling zones while the phyla distributions were similar. In general, Mollusca was the most dominant phylum (no. of individuals: 1103-4704 ind.; relative abundance 91.1-98.7%; density 147-627 ind. m^{-2}). Other phyla were much lower in number of individuals. Arthropoda (12-87 ind.; 0.8-7.2%; 2-12 ind. m^{-2}) and Annelida (7-18 ind.; 0.2-1.5%; 1-2 ind. m^{-2}) were the second and third abundant phyla. Sipuncula was relatively common in TC3 (9 ind.; 0.3%; 1 ind. m^{-2}). Relatively other phyla were very low in abundance in all sampling zones.

Dominant species in every sampling zone

3.6.56 **Table 3.5 of Appendix O** lists the abundant species (relative abundance >10%) in every sampling zone. In the present survey, most of the listed abundant species were of low to moderate densities (50-250 ind. m^{-2}). Few listed species of high or very high density (> 250 ind. m^{-2}) were regarded as dominant species. Other listed species of lower density (< 50 ind. m^{-2}) were regared as common species.

3.6.57 In TC1, the substratum was either 'Gravels and Boulders' or 'Sands' at high tidal level. It was dominanted by gastropod *Batillaria multiformis* (816 ind. m^{-2}, relative abundance 84%) at very high density. At mid tidal level (substratum type 'Gravels and Boulders'), it was also dominated by gastropod *Batillaria multiformis* (295 ind. m^{-2}, 55%) at high density. Other moderately abundant species were gastropod *Monodonta labio* (89 ind. m^{-2}, 17%) and rock oyster *Saccostrea cucullata* (66 ind. m^{-2}, 12%, attached on boulders). At low tidal level (substratum type 'Gravels and Boulders'), abundant rock oyster *Saccostrea cucullata* (135 ind. m^{-2}, 34%) were attaching on the boulders followed by gastropod *Monodonta labio* (96 ind. m^{-2}, 24%).

3.6.58 In TC2, there was no clearly abundant species at all tidal levels. At high tidal level, rock oyster *Saccostrea cucullata* (88 ind. m^{-2}, 36%, attached on boulders) was relatively abundant followed by common gastropods *Cerithidea djadjariensis* (47 ind. m^{-2}, 19%), *Batillaria zonalis* (39 ind. m^{-2}, 16%) and *Batillaria multiformis* (24 ind. m^{-2}, 10%). At mid and low tidal levels, gastropod *Batillaria zonalis* (22-59 ind. m^{-2}, 28-37%) and rock oyster *Saccostrea cucullata* (18-41 ind. m^{-2}, 23-25%) were common species. Moreover, barnacle *Balanus amphitrite* (21 ind. m^{-2}, 27%, attached on boulders) was also common at low tidal level.

3.6.59 In TC3, the major substratum types were either 'Sands' and 'Soft mud' at both high and mid tidal levels. Gastropods *Cerithidea djadjariensis* (47-112 ind. m^{-2}, 20-40%) and *Batillaria multiformis* (98-106 ind. m^{-2}, 38-42%) were abundant at low to moderate densities. Besides gastropods *Cerithidea cingulata* (39 ind. m^{-2}, 14%) and *Batillaria zonalis* (28 ind. m^{-2}, 12%) were common species at high and mid tidal levels respectively. At low tidal level (major substratum: 'Gravels and Boulders'), rock oyster *Saccostrea cucullata* (240 ind. m^{-2}, 44%) and gastropod *Monodonta labio* (171 ind. m^{-2}, 31%) were abundant at moderate densities.

3.6.60 In ST, there was no clearly abundant species at all tidal levels. At high and mid tidal levels (major substratum type: 'Gravels and Boulders'), gastropods *Monodonta labio* (41-74 ind. m^{-2}, 17-31%), *Lunella coronata* (35-66 ind. m^{-2}, 15-27%) and rock oyster *Saccostrea cucullata* (52-90 ind. m^{-2}, 22-36%, attached on boulders) were common or abundant species at low densities. Besides gastropod *Batillaria multiformis* (32 ind. m^{-2}, 14%) was also common at high tidal level. At low tidal level (major substratum type: 'Soft mud'), there were two common taxa including rock oyster *Saccostrea cucullata* (46 ind. m^{-2}, 51%) and gastropod *Batillaria zonalis* (9 ind. m^{-2}, 10%)

3.6.61 In general, there was no consistent zonation pattern of species distribution across all sampling zones and tidal levels. The species distribution should be determined by the type of substratum primarily. In general, gastropods *Batillaria multiformis* (total number of individuals: 3588 ind., relative abundance 35.7%), *Cerithidea djadjariensis* (776 ind., 7.7%), *Batillaria zonalis* (457 ind., 4.5%) and *Cerithidea cingulata* (404 ind., 4.0%) were the most commonly occurring species on sandy and soft mud substrata. Rock oyster *Saccostrea cucullata* (2000 ind., 19.9%), gastropods *Monodonta labio* (1335 ind., 13.3%) and *Lunella coronata* (454 ind., 4.5%) were commonly occurring species inhabiting gravel and boulders substratum.

Biodiversity and abundance of soft shore communities

3.6.62 **Table 3.7 of Appendix O** shows the mean values of species number, density, biodiversity index *H'* and species evenness *J* of soft shore communities at every tidal level and in every sampling zone. As mentioned above, the differences among sampling zones and tidal levels were determined by the major type of substratum primarily.

3.6.63 Among the sampling zones, there was no obvious difference of mean species number, *H'* and *J* across all tidal levels. The mean species numbers ranged 6-10 spp. 0.25 m^{-2} among all sampling zones. The mean densities of TC1 (636 ind. m^{-2}) were higher than TC3 (352 ind. m^{-2}) followed by TC2 and ST (161-191 ind. m^{-2}). TC1 was much higher in mean density but it was mainly accounted by one gastropod species of high abundance at high tidal level. Overall the mean *H'* and *J* were similar, that ranged 1.2-1.3 and 0.6-0.8 respectively among all sampling zones.

3.6.64 Across the tidal levels, there was no consistent difference of the mean species number, *H'* and *J* in all sampling zones. For the mean density, there were generally decreasing trends in TC1, TC2 and ST from high to low tidal level but vice versa in TC3. But there was no clear correlation with other environmental factors.

3.6.65 **Figures 3.13 to 3.16 of Appendix O** show the temporal changes of mean species number, mean density, *H'* and *J* at every tidal level and in every sampling zone along the sampling months. In general, all the biological parameters fluctuated seasonally throughout the monitoring period. Lower mean species number and density were recorded in dry season (Dec.) but the mean *H'* and *J* fluctuated within a stable range.

3.6.66 Different from previous monitoring report, there were steady decreasing trends of mean species number and density in TC2, TC3 and ST since Jun. 2017 regardless of tidal levels. It might be an unfavourable change reflecting environmental stresses. The heat stress and serial cyclone hit were believed the causes during the wet season of 2017. Recently it was expected that the intertidal community would recover gradually in the following wet season (e.g. Mar-Jun. 2018). More consolidated discussion might be given after the next monitoring.

Impact of the HKLR project

3.6.67 It was the 21st survey of the EM&A programme during the construction period. Based on the results, impacts of the HKLR project were not detected on intertidal soft shore community. In case of other abnormal phenomena (e.g. rapid or consistent decline of fauna densities and species number) are observed, it would be reported as soon as possible.

3.7 Solid and Liquid Waste Management Status

3.7.1 The Contractor registered with EPD as a Chemical Waste Producer on 12 July 2012 for the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.

3.7.2 The summary of waste flow table is detailed in **Appendix K**.

3.7.3 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.

3.8 Environmental Licenses and Permits

3.8.1 The valid environmental licenses and permits during the reporting period are summarized in **Appendix L.**

4 Environmental Complaint and Non-compliance

4.1 Environmental Exceedances

4.1.1 The detailed air quality, water quality and dolphin exceedances are provided in **Appendix M**. Also, the summaries of the environmental exceedances are presented as follows:

Air Quality

4.1.2 Two Action Level exceedances of 1-hr TSP were recorded at AMS5 and three Action Level exceedances of 1-hr TSP were recorded at AMS6 during the reporting period. No Action and Limit Level exceedances of 24-hr TSP were recorded at AMS5. Two Action Level exceedances of 24-hr TSP were recorded at AMS6 during the reporting period.

Noise

4.1.3 No Action and Limit Level exceedances for noise were recorded during daytime on normal weekdays of the reporting period.

Water Quality

4.1.4 No Action Level and Limit Level exceedances for turbidity level and dissolved oxygen level were recorded during the reporting period. 11 Action Level exceedances and 1 Limit Level exceedance of suspended solids level were recorded during the reporting period.

Dolphin

4.1.5 There were two Action Level exceedances of dolphin monitoring for the quarterly monitoring data (between December 2017 – February 2018). According to the contractor’s information, the marine activities undertaken for HKLR03 during the quarter of December 2017 and February 2018 included seawall construction, box culvert construction, road and drainage construction and road and drainage works.

4.1.6 There is no evidence showing the current AL non-compliance directly related to the construction works of HKLR03 (where the amounts of working vessels for HKLR03 have been decreasing), although the generally increased amount of vessel traffic in NEL during the impact phase has been partly contributed by HKLR03 works since October 2012. It should also be noted that reclamation work under HKLR03 (adjoining the Airport Island) situates in waters which has rarely been used by dolphins in the past, and the working vessels under HKLR03 have been travelling from source to destination in accordance with the Marine Travel Route to minimize impacts on Chinese White Dolphin (CWD). In addition, the contractor will implement proactive mitigation measures such as avoiding anchoring at Marine Department’s designated anchorage site – Sham Shui Kok Anchorage (near Brothers Island) as far as practicable.

4.1.7 All dolphin protective measures are fully and properly implemented in accordance with the EM&A Manual. According to the Marine Travel Route Plan, the travelling speed of vessels must not exceed 5 knots when crossing the edge of the proposed marine park. The Contractor will continue to provide training for skippers to ensure that their working vessels travel from source to destination to minimize impacts on Chinese White Dolphin and avoid anchoring at Marine Department’s designated anchorage site - Sham Shui Kok Anchorage (near Brothers Island) as far as practicable. Also, it is recommended to complete the marine works of the Contract as soon as possible so as to reduce the overall duration of impacts and allow the dolphins population to recover as early as possible.

4.2 Summary of Environmental Complaint, Notification of Summons and Successful Prosecution

4.2.1 There were two complaints received during the reporting period. The summary of environmental complaint is presented in **Table 4.1**. The details of cumulative statistics of Environmental Complaints are provided in **Appendix N**.

Table 4.1 A Summary of Environmental Complaint for the Reporting Period

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaint
COM-2017-129	ENPO's email to the Supervising Officer's Representative and Contractor on 8 January 2018 that HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017	Cleanliness problem at East Coast Road
COM-2018-132	HyD (SOR referred the email from HyD to Contractor and ET on 13 February 2018) and EPD (ENPO referred the email from EPD to SOR, SOR sent the email to Contractor and ET on 14 February 2018)	Complaint about Dust, Water Quality, Construction Waste, Noise and Vibration for the Contract

4.2.2 For Environmental Complaint No. COM-2017-129 and COM-2018-132, complaint investigation was being undertaken during the reporting period.

4.2.3 Statistics on notifications of summons and successful prosecutions are summarized in **Appendix M**.

5 Comments, Recommendations and Conclusion

5.1 Comments

5.1.1 According to the environmental site inspections undertaken during the reporting period, the following recommendations were provided:

- The Contractor was reminded to ensure the mechanical cover of the dump truck closed during transportation of materials at HMA.
- The Contractor was reminded to carry out loading, unloading, transfer, handing or storage of bulk cement in an enclosed system at S15.
- The Contractor was reminded to water the stockpile during excavation at S16.
- The Contractor was reminded to prevent vehicles to bring mud out of site area at N26.
- The Contractor was reminded to spray water on the haul road/access road to prevent dust emission at N20A, N26, S16 and S22.
- The Contractor was reminded to stop the water discharge and remove the blue hose at plant room of S15.
- The Contractor was reminded to take measures to prevent wastewater from the site entering into marine water at S7.
- The Contractor was reminded to provide washing facilities for cleaning the vehicles before leave the work area at S16 and N30.
- The Contractor was reminded to maintain the silt curtains properly at Portion X.
- The Contractor was reminded to remove the stagnant water and apply larvicide at plant room of S15.
- The Contractor was reminded to remove the stagnant water at S16.
- The Contractor was reminded to remove stagnant water from the drip tray next to the generator at S16.
- The Contractor was reminded to remove/ dispose of the concrete waste regularly at WA4.
- The Contractor was reminded to dispose of the general refuse at West Portal.
- The Contractor was reminded to remove construction waste from HAT, N1, N20, S9, S15, S16, S25, Plant room of S15 and Depressed Roundabout of S16.
- The Contractor was reminded to remove the abandoned cement bags at S16.
- The Contractor was reminded to provide drip tray for the chemical containers at HAT, N26, N30, depressed roundabout of N30, S7, S9 and S16.
- The Contractor was reminded to remove the abandoned chemical containers at HAT.
- The Contractor provide drip tray for the oil drums at N26, N30 and Depressed Roundabout of S16.
- The Contractor was reminded to remove the oil stain and treat as chemical waste at S9, S25 and WA4.
- The Contractor was reminded to clear the chemicals inside the drip tray and treat it as chemical waste at S15.

5.2 Recommendations

5.2.1 The impact monitoring programme for air quality, noise, water quality and dolphin ensured that any deterioration in environmental condition was readily detected and timely actions taken to rectify any non-compliance. Assessment and analysis of monitoring results collected demonstrated the environmental impacts of the contract. With implementation of the recommended environmental mitigation measures, the contract's environmental impacts were considered environmentally acceptable. The weekly environmental site inspections ensured that all the environmental mitigation measures recommended were effectively implemented.

5.2.2 The recommended environmental mitigation measures, as included in the EM&A programme, effectively minimize the potential environmental impacts from the contract. Also, the EM&A programme effectively monitored the environmental impacts from the construction activities and ensure the proper implementation of mitigation measures. No particular recommendation was advised for the improvement of the programme.

5.3 Conclusions

5.3.1 The construction phase and EM&A programme of the Contract commenced on 17 October 2012. This is the twenty-second Quarterly EM&A Report which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 November 2017 to 28 February 2018.

Air Quality

5.3.2 Two Action Level exceedances of 1-hr TSP were recorded at AMS5 and three Action Level exceedances of 1-hr TSP were recorded at AMS6 during the reporting period. No Action and Limit Level exceedances of 24-hr TSP were recorded at AMS5. Two Action Level exceedances of 24-hr TSP were recorded at AMS6 during the reporting period.

Noise

5.3.3 No Action and Limit Level exceedances for noise were recorded during daytime on normal weekdays of the reporting period.

Water Quality

No Action Level and Limit Level exceedances for turbidity level and dissolved oxygen level were recorded during the reporting period. 11 Action Level exceedances and 1 Limit Level exceedance of suspended solids level were recorded during the reporting period.

Dolphin

5.3.4 There were two Action Level exceedances of dolphin monitoring for the quarterly monitoring data between December 2017 – February 2018.

5.3.5 During the present quarter of dolphin monitoring, no adverse impact from the activities of this construction project on Chinese White Dolphins was noticeable from general observations.

5.3.6 Although dolphins rarely occurred in the area of HKLR03 construction in the past and during the baseline monitoring period, it is apparent that dolphin usage has been dramatically reduced in NEL since 2012, and many individuals have shifted away completely from the important habitat around the Brothers Islands.

5.3.7 It is critical to continuously monitor the dolphin usage in North Lantau region in the upcoming quarters, to determine whether the dolphins are continuously affected by the various construction activities in relation to the HZMB-related works, and whether suitable mitigation measure can be applied to revert the situation.

Mudflat - Sedimentation Rate

5.3.8 This measurement result was generally and relatively higher than the baseline measurement at S1, S2, S3 and S4. The mudflat level is continuously increased.

Mudflat - Ecology

5.3.9 The December 2017 survey was the 21st survey of the EM&A programme during the construction period. Based on the results, impacts of the HKLR project could not be detected on horseshoe crabs and intertidal soft shore community. The disappearance of seagrass beds was believed the cause of serial cyclone hits rather than impact of HKLR project. Based on previous findings, the seagrass beds were expected to recolonize the mudflat gradually in the future, as long as the vicinal water quality remained normal.

Environmental Site Inspection and Audit

5.3.10 Environmental site inspection was carried out on 6, 14, 20 and 30 December 2017; 3, 10, 17 and 26 January 2018; and 1, 7, 14 and 23 February 2018. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.

5.3.11 There were two complaints received in relation to the environmental impacts during the reporting period. Complaints investigation were being undertaken during the reporting period.

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

FIGURES

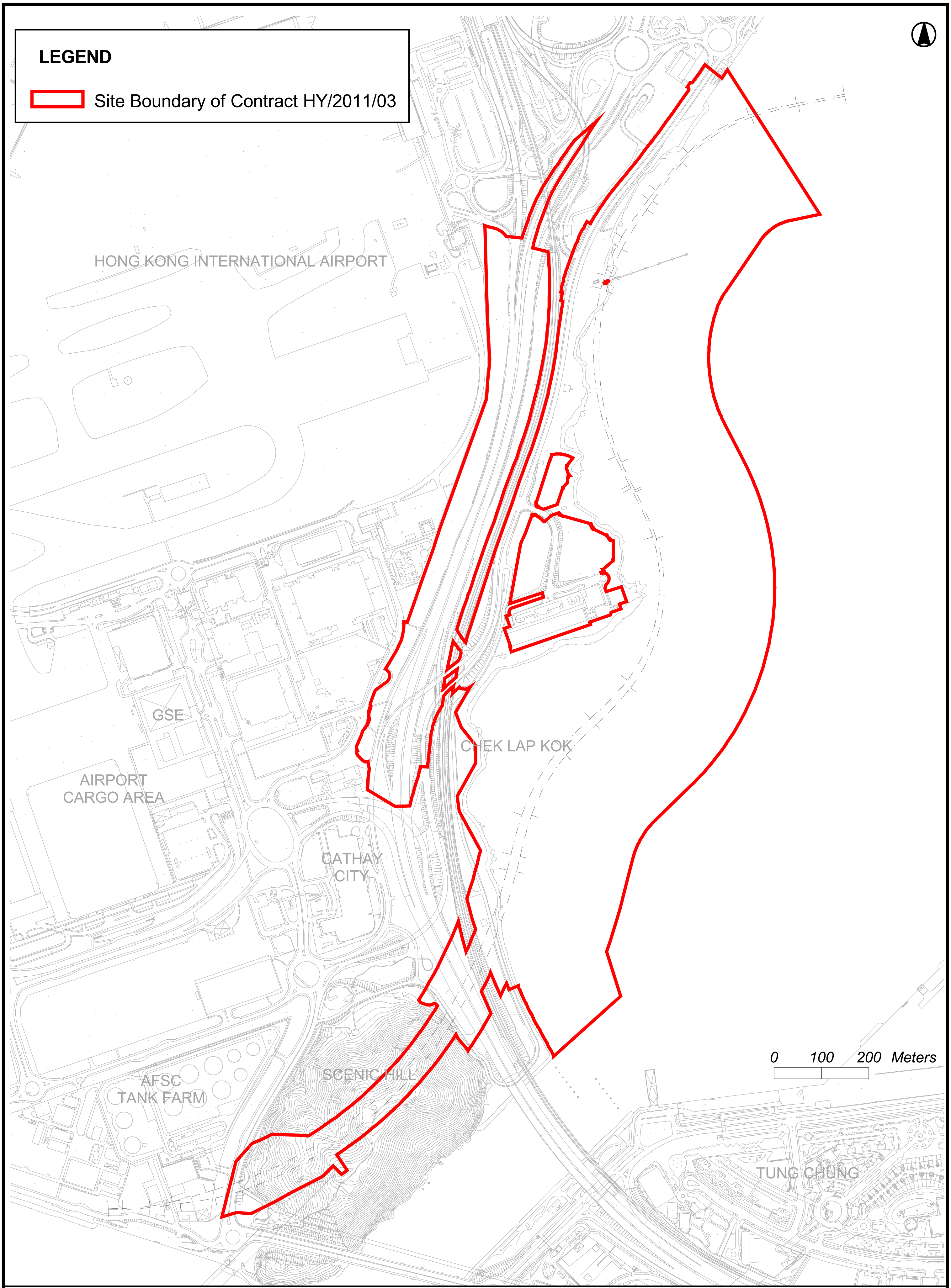
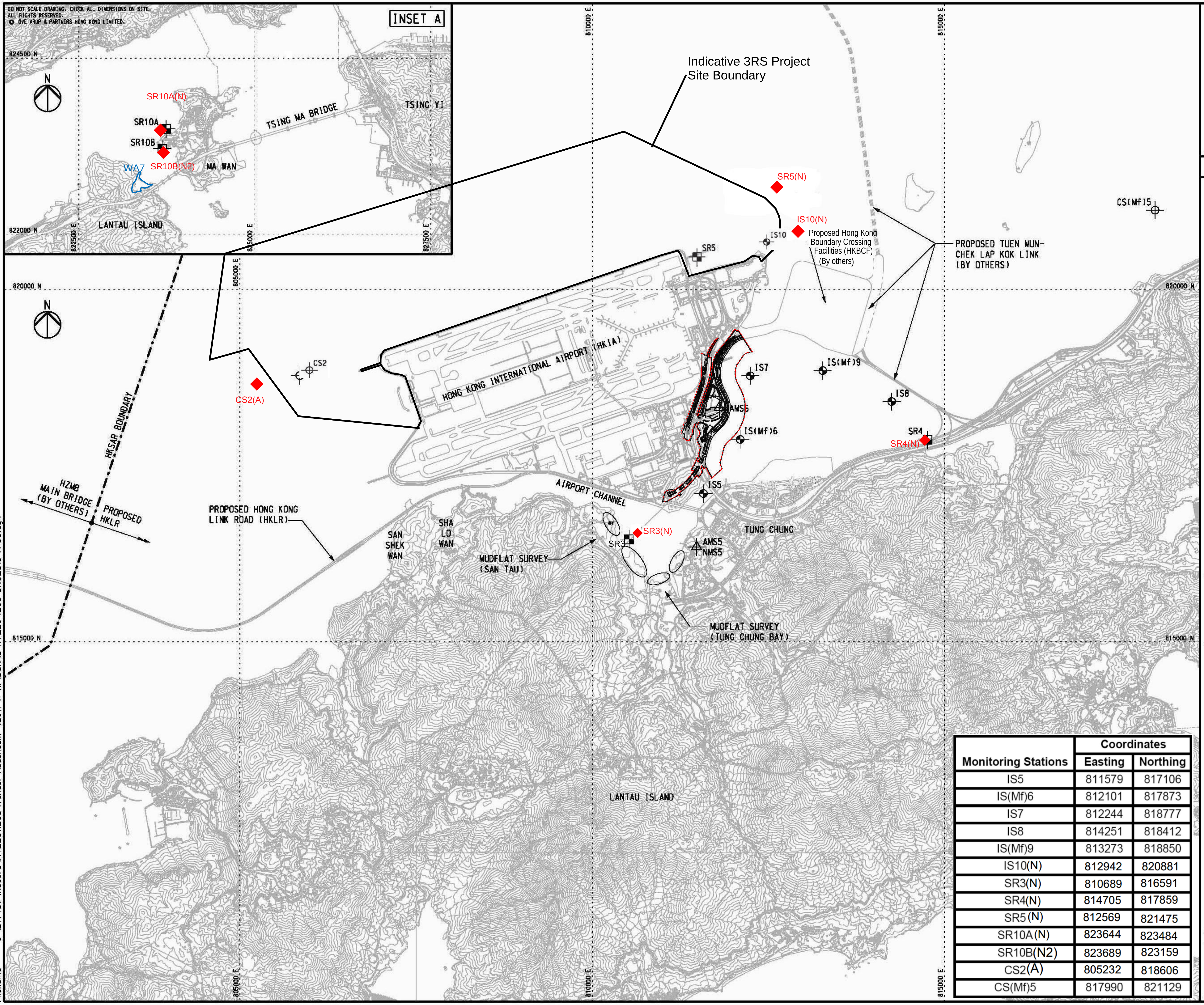
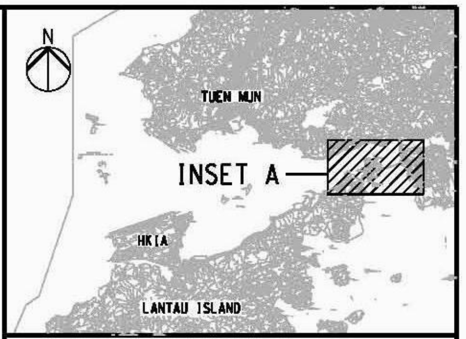


Figure 1.1 Location of the Site



Monitoring Stations	Coordinates	
	Easting	Northing
IS5	811579	817106
IS(Mf)6	812101	817873
IS7	812244	818777
IS8	814251	818412
IS(Mf)9	813273	818850
IS10(N)	812942	820881
SR3(N)	810689	816591
SR4(N)	814705	817859
SR5(N)	812569	821475
SR10A(N)	823644	823484
SR10B(N2)	823689	823159
CS2(A)	805232	818606
CS(Mf)5	817990	821129



KEY PLAN

NOTES

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

LEGEND

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

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

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

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

Drawing title
ENVIRONMENTAL MONITORING
STATIONS

Drawing: Figure 2.1
Rev. A

Drawn	Date	Checked	Approved
RY	11/11	AW	SK

Scale 1:25000 @A1
Status

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

Printed by : 10/11/2011
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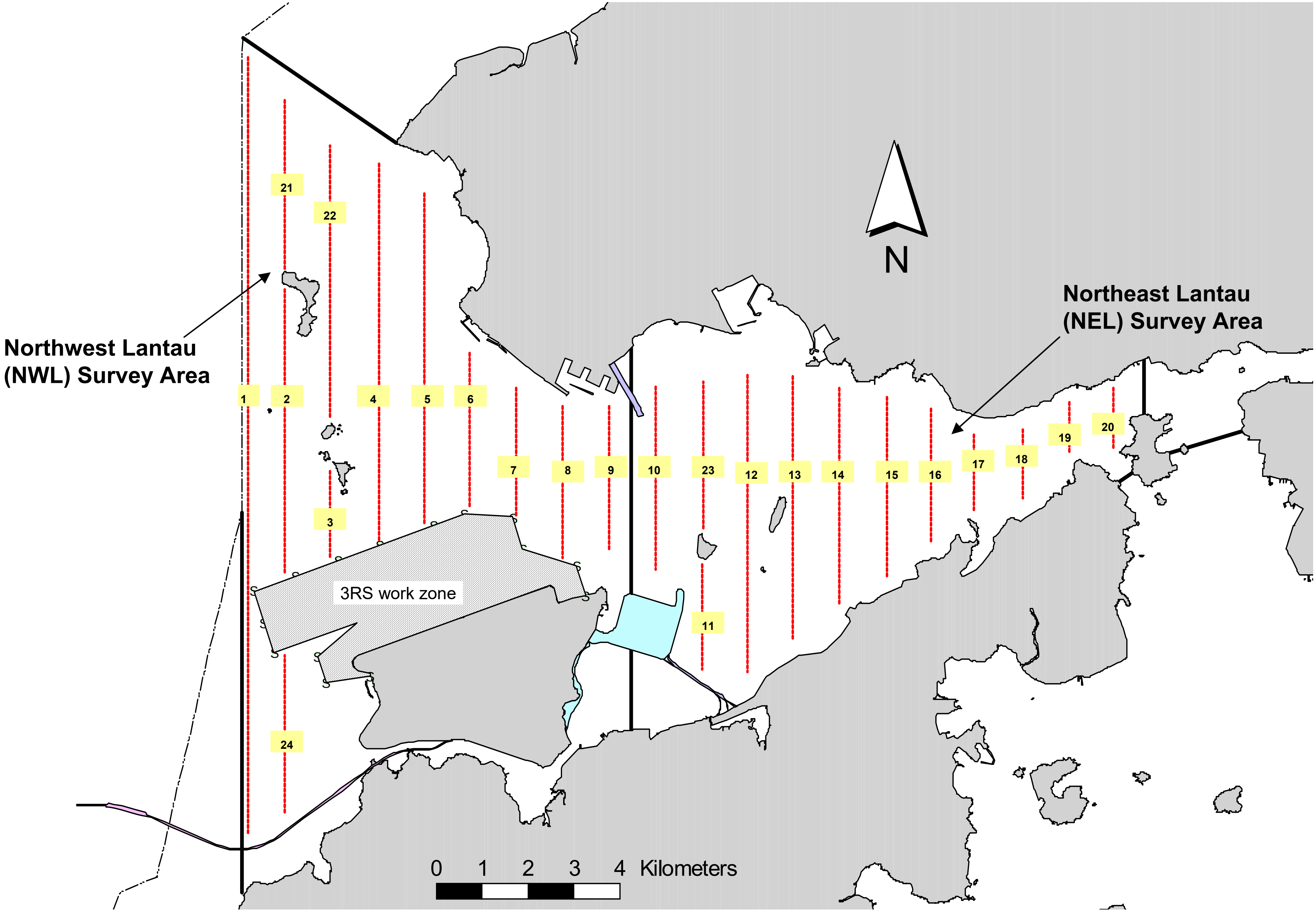


Figure 2.2. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

APPENDIX A

Environmental Management Structure

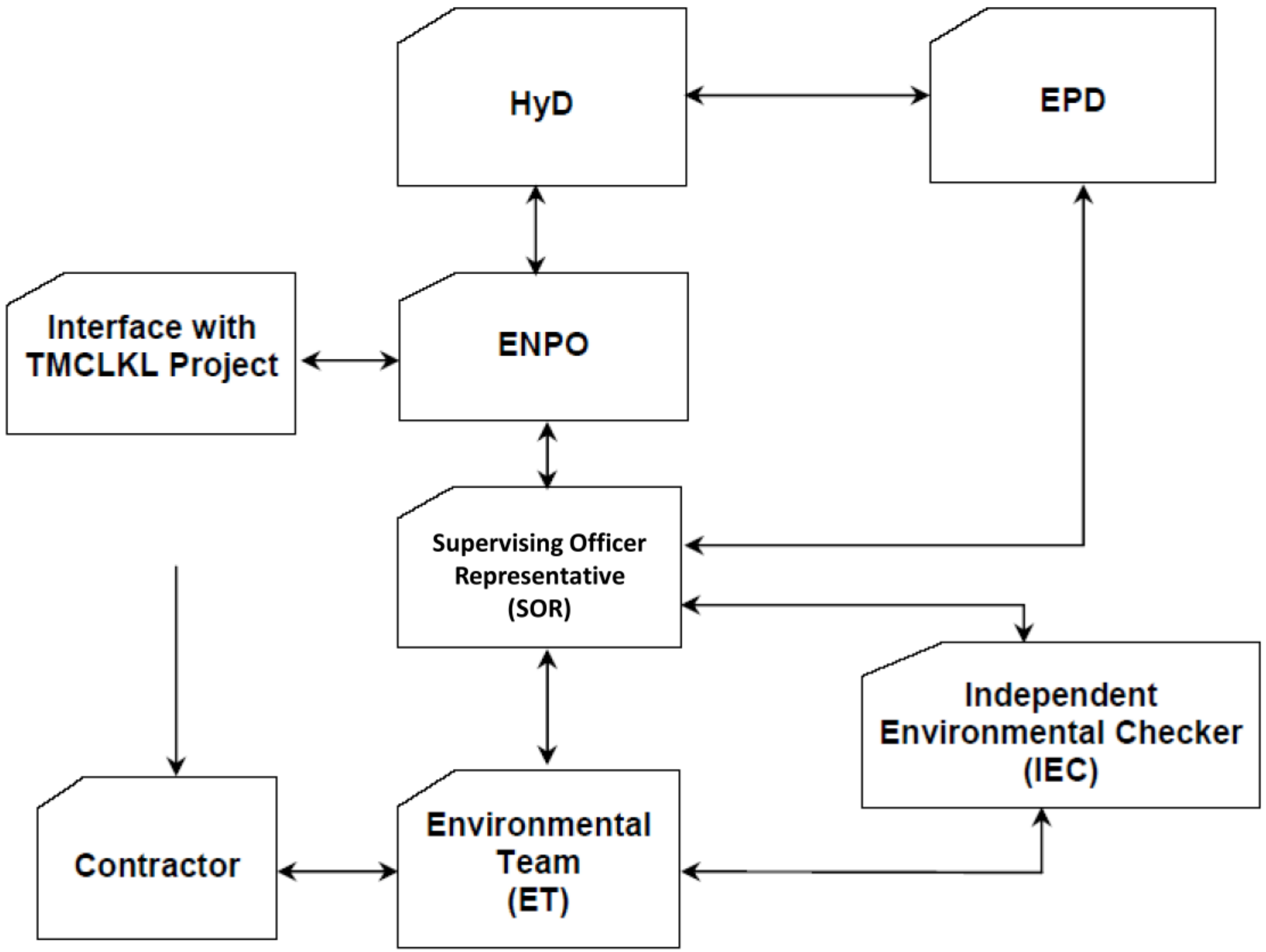
Contact Information of Key Personnel

Party	Position	Name	Telephone	Fax
Supervising Officer's Representative (Ove Arup & Partners Hong Kong Limited)	(Chief Resident Engineer, CRE)	Robert Antony Evans	3968 0801	2109 1882
Environmental Project Office / Independent Environmental Checker (Ramboll Hong Kong Limited) (See Remark 1)	Environmental Project Office Leader	Y. H. Hui	3465 2888	3465 2899
	Independent Environmental Checker	Antony Wong	3465 2888	3465 2899
Contractor (China State Construction Engineering (Hong Kong) Ltd)	Project Manager	S. Y. Tse	3968 7002	2109 2588
	Environmental Officer	Federick Wong	3968 7117	2109 2588
Environmental Team (BMT Asia Pacific)	Environmental Team Leader	Claudine Lee	2241 9847	2815 3377
24 hours complaint hotline	---	---	5699 5730	---

Remark:

1) Ramboll Environ Hong Kong Limited has been re-branded as Ramboll Hong Kong Limited since January 2018.

Project Organization for Environmental Works



APPENDIX B

Construction Programme

FILE: 3M67 (Rev.00)

Sheet 1 of 7

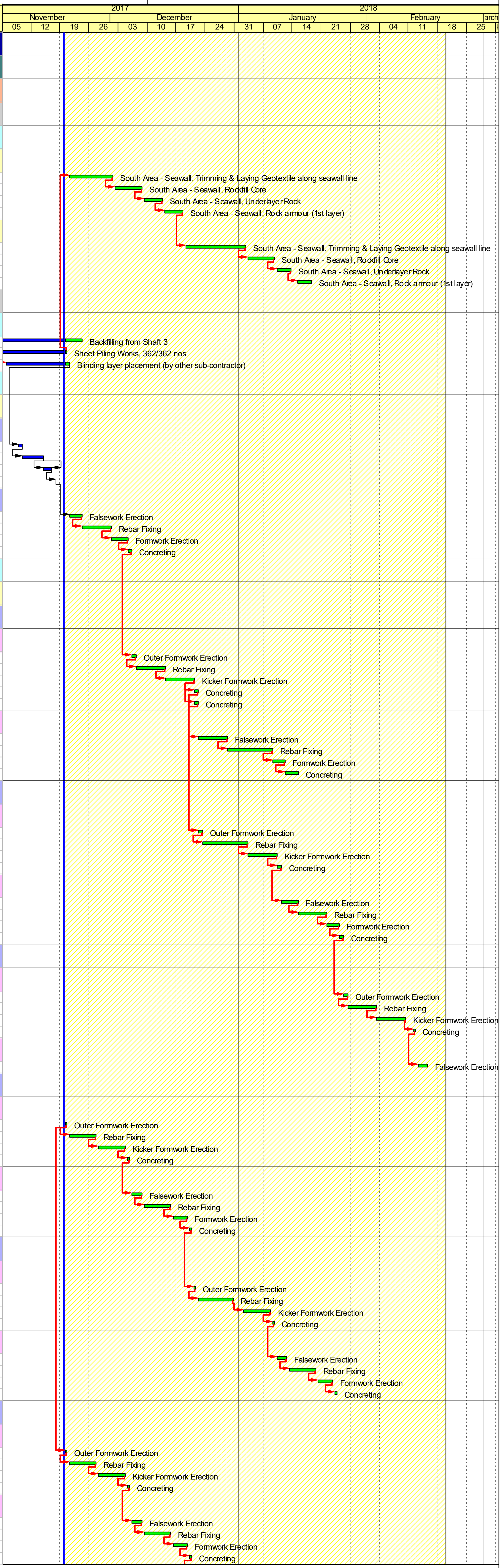
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Dec 2017 to Feb 2018)

Layout HZMB - (3M67 Rolling Prog)

TASK filters: 3M67, HZMB No Level Effort.

Activity ID	Activity Name
3 MONTHS PROGRAMME HY/2011/03 (Dec 2017 to Feb 2018)(Rev0)	
WORKS IN SOUTH AREA - CH 13+516 to CH 15+050 (SCENIC HILL TUNNEL, MT & CCT)	
Reclamation Works	
Outstanding Reclamation Works - SWCH 0+000 to SWCH 0+450	
Seawall Construction	
SWCH 0+000 to SWCH 0+080 - 80m	
SW1550	South Area - Seawall, Trimming & Laying Geotextile along seawall line
SW1560	South Area - Seawall, Rockfill Core
SW1570	South Area - Seawall, Underlayer Rock
SW1580	South Area - Seawall, Rock armour (1st layer)
SWCH 0+080 to SWCH 0+150 - 70m	
SW1590	South Area - Seawall, Trimming & Laying Geotextile along seawall line
SW1640	South Area - Seawall, Rockfill Core
SW1650	South Area - Seawall, Underlayer Rock
SW1660	South Area - Seawall, Rock armour (1st layer)
PR10 Box Culvert Construction	
Pre-Work	
A4990	Backfilling from Shaft 3
A5003	Sheet Piling Works, 362/362 nos
A5010	Blinding layer placement (by other sub-contractor)
Spill Trap (Stage 1)	
Structure	
Base Slab	
A238784	Outer Formwork Erection
A238794	Rebar Fixing
A238804	Kicker Formwork Erection
A238814	Concreting
Wall & Top Slab	
A238824	Falsework Erection
A238834	Rebar Fixing
A238844	Formwork Erection
A238854	Concreting
PR10 Box Culvert Extension (Stage 1)	
Structure Construction (Bay 1-6)	
Bay 1 (7.79m length)	
Base Slab	
A4860	Outer Formwork Erection
A4870	Rebar Fixing
A4930	Kicker Formwork Erection
A4940	Concreting
A5020	Concreting
Wall & Top Slab	
A4950	Falsework Erection
A4960	Rebar Fixing
A4970	Formwork Erection
A4980	Concreting
Bay 2 (12m length)	
Base Slab	
A238304	Outer Formwork Erection
A238314	Rebar Fixing
A238324	Kicker Formwork Erection
A238334	Concreting
Wall & Top Slab	
A238344	Falsework Erection
A238354	Rebar Fixing
A238364	Formwork Erection
A238374	Concreting
Bay 3 (12m length)	
Base Slab	
A238384	Outer Formwork Erection
A238394	Rebar Fixing
A238404	Kicker Formwork Erection
A238414	Concreting
Wall & Top Slab	
A238424	Falsework Erection
Bay 4 (19.65m length)	
Base Slab	
A238464	Outer Formwork Erection
A238474	Rebar Fixing
A238484	Kicker Formwork Erection
A238494	Concreting
Wall & Top Slab	
A238504	Falsework Erection
A238514	Rebar Fixing
A238524	Formwork Erection
A238534	Concreting
Bay 5 (10m length)	
Base Slab	
A238544	Outer Formwork Erection
A238554	Rebar Fixing
A238564	Kicker Formwork Erection
A238574	Concreting
Wall & Top Slab	
A238584	Falsework Erection
A238594	Rebar Fixing
A238604	Formwork Erection
A238614	Concreting
Bay 6 (9.454m length)	
Base Slab	
A238624	Outer Formwork Erection
A238634	Rebar Fixing
A238644	Kicker Formwork Erection
A238654	Concreting
Wall & Top Slab	
A238664	Falsework Erection
A238674	Rebar Fixing
A238684	Formwork Erection
A238694	Concreting



🟩	Works Programme
🟩	Works Programme
◆ ◆	Works Programme
◆ ◆	Milestone
◆ ◆	Milestone
🟦	Works Programme

China State Construction Engineering (Hong Kong) Ltd -

Contract No. HY/2011/03 - HZMB, Hong Kong Link Road

, Section between Scenic Hill and HKBCF

Prepared by MM

Date	Revision	Checked	Approved
12-Dec-17		WC	SYT

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

FILE: 3M67 (Rev.00)

Sheet 2 of 7

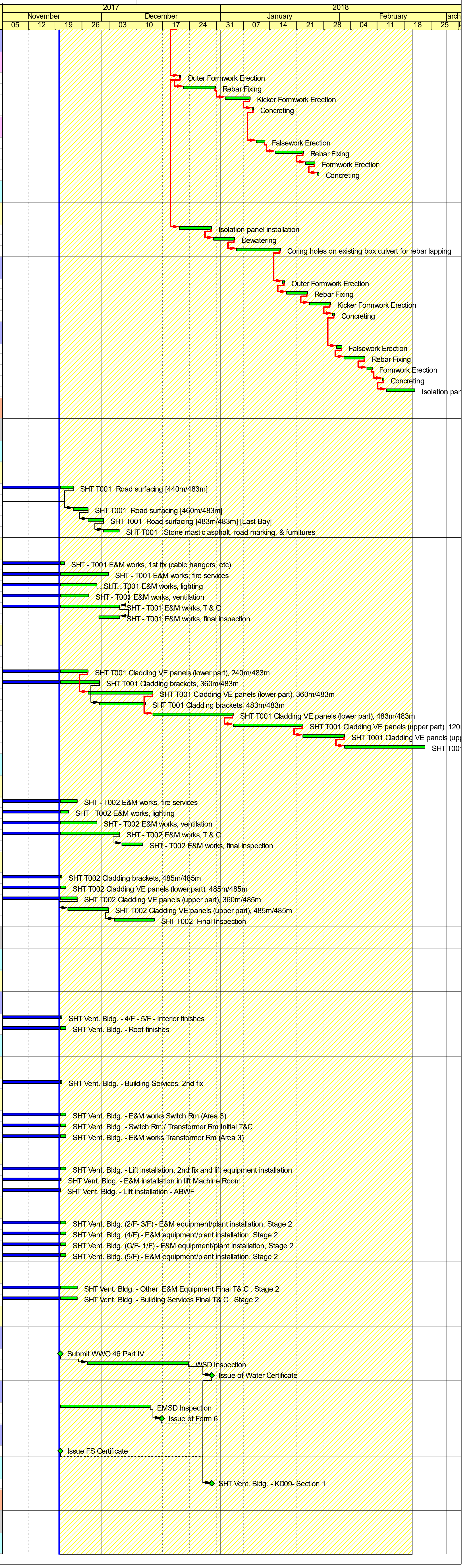
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Dec 2017 to Feb 2018)

Layout HZMB - (3M67 Rolling Prog)

TASK filters: 3M67, HZMB No Level Effort.

Activity ID	Activity Name
Bay 7-8 (9.155m length)	
Base Slab	
A238704	Outer Formwork Erection
A238714	Rebar Fixing
A238724	Kicker Formwork Erection
A238734	Concreting
Wall & Top Slab	
A238744	Falsework Erection
A238754	Rebar Fixing
A238764	Formwork Erection
A238774	Concreting
Reinstatement for temporary diversion, to Highway (Stage 2)	
Reinstatement for Bay 1-2	
A238864	Isolation panel installation
A238874	Dewatering
A238884	Coring holes on existing box culvert for rebar lapping
Base Slab	
A238894	Outer Formwork Erection
A238904	Rebar Fixing
A238914	Kicker Formwork Erection
A238924	Concreting
Wall & Top Slab	
A238934	Falsework Erection
A238944	Rebar Fixing
A238954	Formwork Erection
A238964	Concreting
A238974	Isolation panel demolition
SHT Mined Tunnel Works at Scenic Hill	
Mined Tunnel through Scenic Hill [480m Approx.]	
To Zhuhai-Macao [4-Lane] Carriageway - T001	
T001 Roadworks	
SHT7510-545	SHT T001 Road surfacing [440m/483m]
SHT7510-615	SHT T001 Road formation work [483m/483m] [Last Bay]
SHT7510-635	SHT T001 Road surfacing [460m/483m]
SHT7510-625	SHT T001 Road surfacing [483m/483m] [Last Bay]
SHT7510-925	SHT T001 - Stone mastic asphalt, road marking, & furnitures
T001 E&M & Utilities Installation	
SHT9610.01	SHT - T001 E&M works, 1st fix (cable hangers, etc)
SHT9610.04	SHT - T001 E&M works, fire services
SHT9610.03	SHT - T001 E&M works, lighting
SHT9610.02	SHT - T001 E&M works, ventilation
SHT9610.05	SHT - T001 E&M works, T & C
SHT9610.06	SHT - T001 E&M works, final inspection
T001 Tunnel Cladding	
SHT7510-695	SHT T001 Cladding brackets, 240m/483m
SHT7510-745	SHT T001 Cladding VE panels (lower part), 120m/483m
SHT7510-755	SHT T001 Cladding VE panels (lower part), 240m/483m
SHT7510-705	SHT T001 Cladding brackets, 360m/483m
SHT7510-765	SHT T001 Cladding VE panels (lower part), 360m/483m
SHT7510-715	SHT T001 Cladding brackets, 483m/483m
SHT7510-775	SHT T001 Cladding VE panels (lower part), 483m/483m
SHT7510-875	SHT T001 Cladding VE panels (upper part), 120m/483m
SHT7510-725	SHT T001 Cladding VE panels (upper part), 240m/483m
SHT7510-885	SHT T001 Cladding VE panels (upper part), 360m/483m
To HKBCF [3-Lane] Carriageway - T002	
T002 E&M & Utilities Installation	
SHT9610.08	SHT - T002 E&M works, fire services
SHT9610.09	SHT - T002 E&M works, lighting
SHT9610.10	SHT - T002 E&M works, ventilation
SHT9610.11	SHT - T002 E&M works, T & C
SHT9610.312	SHT - T002 E&M works, final inspection
T002 Tunnel Cladding	
SHT7510-815	SHT T002 Cladding brackets, 485m/485m
SHT7510-845	SHT T002 Cladding VE panels (lower part), 485m/485m
SHT7510-855	SHT T002 Cladding VE panels (upper part), 360m/485m
SHT7510-865	SHT T002 Cladding VE panels (upper part), 485m/485m
SHT7510-825	SHT T002 Final Inspection
Ventilation Building	
RC Works	
ABWF	
Internal Finishing	
SHT10138	SHT Vent. Bldg. - 4/F - 5/F - Interior finishes
SHT10148	SHT Vent. Bldg. - Roof finishes
E&M Works	
Building Services	
SHT8110.09	SHT Vent. Bldg. - Building Services, 2nd fix
E&M Switch Rm Installation by Contractor	
SHT8124	SHT Vent. Bldg. - E&M works Switch Rm (Area 3)
SHT8095	SHT Vent. Bldg. - Switch Rm / Transformer Rm Initial T&C
SHT8450	SHT Vent. Bldg. - E&M works Transformer Rm (Area 3)
Lift Installation	
SHT8235	SHT Vent. Bldg. - Lift installation, 2nd fix and lift equipment installation
SHT8245	SHT Vent. Bldg. - E&M installation in lift Machine Room
SHT8205	SHT Vent. Bldg. - Lift installation - ABWF
E&M Equipment /Plant Installation except Switch Room)	
SHT8135	SHT Vent. Bldg. (2/F- 3/F) - E&M equipment/plant installation, Stage 2
SHT8155	SHT Vent. Bldg. (4/F) - E&M equipment/plant installation, Stage 2
SHT8175	SHT Vent. Bldg. (G/F- 1/F) - E&M equipment/plant installation, Stage 2
SHT8195	SHT Vent. Bldg. (5/F) - E&M equipment/plant installation, Stage 2
E&M Testing and Commisioning	
SHT8180.16	SHT Vent. Bldg. - Other E&M Equipment Final T& C , Stage 2
SHT8180.36	SHT Vent. Bldg. - Building Services Final T& C , Stage 2
Statutory Inspection	
Water Authority Inspection (Plumbing)	
SHT8203	Submit WWO 46 Part IV
SHT8204	WSD Inspection
SHT8025	Issue of Water Certificate
EMSD Inspection (Lift installation)	
SHT8027	EMSD Inspection
SHT8028	Issue of Form 6
FSD Inspection (Fire Services, DG, Ventilation)	
SHT8221	Issue FS Certificate
Planned Stage/Section Key Date Completion	
SHT9635	SHT Vent. Bldg. - KD09- Section 1
CCT Works across Airport Road at Ch 14+016 to 14+222 (206m)	
CCT [East Access Shaft] (Shaft 1)	
Backfill + Reinstatement Works	



FILE: 3M67 (Rev.00)

Sheet 3 of 7

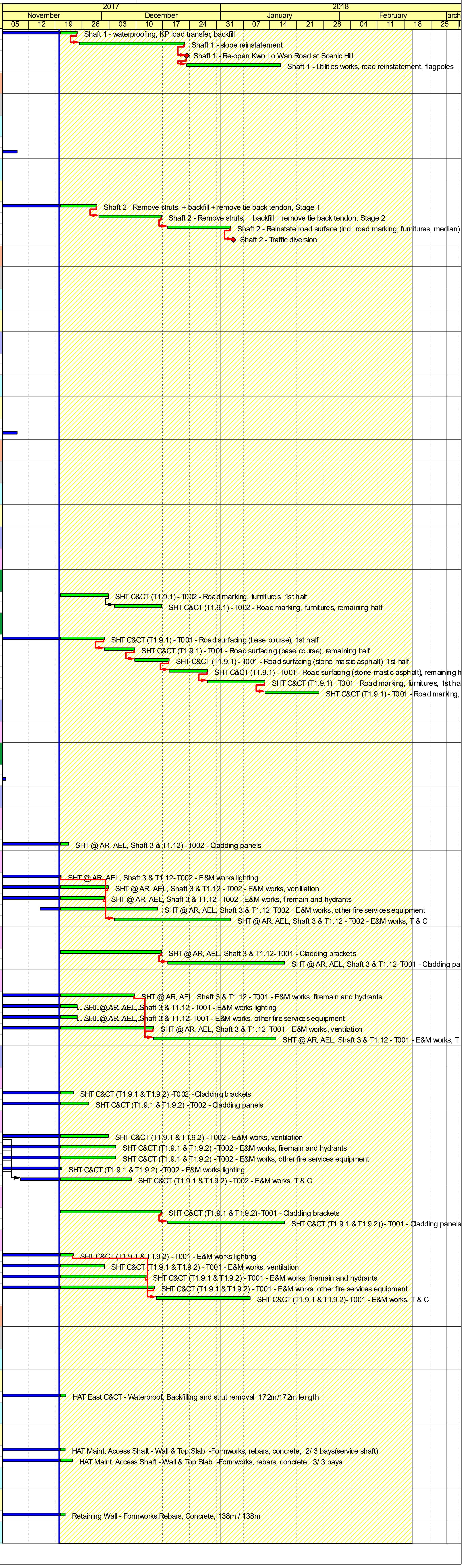
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Dec 2017 to Feb 2018)

Layout HZMB - (3M67 Rolling Prog)

TASK filters: 3M67, HZMB No Level Effort.

Activity ID	Activity Name
SHT1285	Shaft 1 - waterproofing, KP load transfer, backfill
SHT1295	Shaft 1 - slope reinstatement
SHT1305	Shaft 1 - Re-open Kwo Lo Wan Road at Scenic Hill
SHT1315	Shaft 1 - Utilities works, road reinstatement, flagpoles
Mined Tunnel Under Airport Road between SHAFT 1 & SHAFT 2(by Drill & Break)	
Mined Tunnel Works - Drive from Shaft 2 (by Drill & Break)	
T001 - Utilities Trough	
SHT7703	Under Airport Rd T001 - Utility trough, 30/62m
SHT7704	Under Airport Rd T001 - Utility trough, 62/62m
SHAFT 2 - Lining Works	
Backfill + Reinstatement Works	
SHT1631	Shaft 2 - Remove struts, + backfill + remove tie back tendon, Stage 1
SHT1641	Shaft 2 - Remove struts, + backfill + remove tie back tendon, Stage 2
SHT1632	Shaft 2 - Reinstate road surface (incl. road marking, furnitures, median)
SHT1633	Shaft 2 - Traffic diversion
Mined Tunnel Underneath AEL Ch 14+128 to Ch 14+175	
Civil & Structural Works	
SHT Works under AEL(BOX JACKING) - By Double Jack - 7days 24 hrs	
Box Casting/Jacking - T001 (24 hours working period)	
T001 - Segment (Stitching and Grouting)-	
BXJ-15911	T001 - Base slab- Stitching and grouting work between the segments (5/5)
BXJ-15951	T001 - Wall - Stitching and grouting work between the segments (10/10)
SHAFT 3 - CCT RC Works for East Access Shaft (after completion of Box Jacking)	
T001 - Utilities Trough	
SHT2140-310	Shaft 3 T001 - Utility trough, 30/59m
SHT2140-320	Shaft 3 T001 - Utility trough, 59/59m
CCT Works over Reclaimed Area at Ch 14+212 to Ch 15+050 (828m)	
CCT Works - on New Reclamation [490m Approx.]	
CCT Works in Remaining Section [325m Approx.][Ch 14+375 to Ch 14+700]	
Civil & Structurals Works	
ELS - Tunnel SHT- C&CT (T1.9.1 + Ext. Ch14+315 to Ch14+452/(Ch14+322 to Ch14+474)	
CCT RC Works(T1.9.1+Extension)	
T002 (1.9.1) - Roadworks (Road formation, Surfacing and Road Marking)	
SHT9720-160	SHT C&CT (T1.9.1) - T002 - Road marking, furnitures, 1st half
SHT9720-170	SHT C&CT (T1.9.1) - T002 - Road marking, furnitures, remaining half
T001 (1.9.1) - Roadworks (Road formation, Surfacing and Road marking)	
SHT9730-120	SHT C&CT (T1.9.1) - T001 - Road surfacing (base course), 1st half
SHT9730-130	SHT C&CT (T1.9.1) - T001 - Road surfacing (base course), remaining half
SHT9730-140	SHT C&CT (T1.9.1) - T001 - Road surfacing (stone mastic asphalt), 1st half
SHT9730-150	SHT C&CT (T1.9.1) - T001 - Road surfacing (stone mastic asphalt), remaining half
SHT9730-160	SHT C&CT (T1.9.1) - T001 - Road marking, furnitures, 1st half
SHT9730-170	SHT C&CT (T1.9.1) - T001 - Road marking, furnitures, remaining half
ELS - Tunnel SHT- C&CT (T1.12 Ch 14+264 to Ch 14+315)/(Ch 14+257 to Ch 14+322)	
T001 RC Structure	
T001 - Utilities Trough	
SHT7710	SHT C&CT (T1.12) - T001 Utility Trough, 27/54m
SHT7711	SHT C&CT (T1.12) - T001 Utility Trough, 54/54m
E&M/Cladding @ Airport Rd, AEL, Shaft 3, T1.12 (Stage 4a, Stage 6, Section 1)	
T002 (AR, AEL, Shaft 3, T1.12) - Tunnel Cladding	
SHT9730-390	SHT @ AR, AEL, Shaft 3 & T1.12 - T002 - Cladding brackets
SHT9730-400	SHT @ AR, AEL, Shaft 3 & T1.12) - T002 - Cladding panels
T002 (AR, AEL, Shaft 3, T1.12) - E&M & Utilities Installation	
SHT9730-410	SHT @ AR, AEL, Shaft 3 & T1.12-T002 - E&M works lighting
SHT9730-420	SHT @ AR, AEL, Shaft 3 & T1.12 - T002 - E&M works, ventilation
SHT9730-430	SHT @ AR, AEL, Shaft 3 & T1.12 - T002 - E&M works, firemain and hydrants
SHT9730-440	SHT @ AR, AEL, Shaft 3 & T1.12-T002 - E&M works, other fire services equipment
SHT9730-450	SHT @ AR, AEL, Shaft 3 & T1.12 - T002 - E&M works, T & C
T001 (AR, AEL, Shaft 3, T1.12) - Tunnel Cladding	
SHT9730-200	SHT @ AR, AEL, Shaft 3 & T1.12-T001 - Cladding brackets
SHT9730-340	SHT @ AR, AEL, Shaft 3 & T1.12-T001 - Cladding panels
T001 (AR, AEL, Shaft 3, T1.12) - E&M & Utilities Installation	
SHT9730-360	SHT @ AR, AEL, Shaft 3 & T1.12 - T001 - E&M works, firemain and hydrants
SHT9730-210	SHT @ AR, AEL, Shaft 3 & T1.12 - T001 - E&M works lighting
SHT9730-370	SHT @ AR, AEL, Shaft 3 & T1.12-T001 - E&M works, other fire services equipment
SHT9730-350	SHT @ AR, AEL, Shaft 3 & T1.12-T001 - E&M works, ventilation
SHT9730-380	SHT @ AR, AEL, Shaft 3 & T1.12 - T001 - E&M works, T & C
CCT T1.9.2 & T1.9.1 Utility Trough, E&M, TCSS (Stage 4a, Stage 6 & Section 1)	
T002 (1.9.1 & 1.9.2) - Tunnel Cladding	
SHT9730-270	SHT C&CT (T1.9.1 & T1.9.2) -T002 - Cladding brackets
SHT9730-280	SHT C&CT (T1.9.1 & T1.9.2) - T002 - Cladding panels
T002 (1.9.1 & 1.9.2) - E&M & Utilities Installation	
SHT9730-300	SHT C&CT (T1.9.1 & T1.9.2) - T002 - E&M works, ventilation
SHT9730-310	SHT C&CT (T1.9.1 & T1.9.2) - T002 - E&M works, firemain and hydrants
SHT9730-320	SHT C&CT (T1.9.1 & T1.9.2) - T002 - E&M works, other fire services equipment
SHT9730-290	SHT C&CT (T1.9.1 & T1.9.2) - T002 - E&M works lighting
SHT9730-330	SHT C&CT (T1.9.1 & T1.9.2) - T002 - E&M works, T & C
T001 (1.9.1 & 1.9.2) - Tunnel Cladding	
SHT9730-180	SHT C&CT (T1.9.1 & T1.9.2)- T001 - Cladding brackets
SHT9730-190	SHT C&CT (T1.9.1 & T1.9.2)) - T001 - Cladding panels
T001 (1.9.1 & 1.9.2) - E&M & Utilities Installation	
SHT9730-220	SHT C&CT (T1.9.1 & T1.9.2) - T001 - E&M works lighting
SHT9730-230	SHT C&CT (T1.9.1 & T1.9.2) - T001 - E&M works, ventilation
SHT9730-240	SHT C&CT (T1.9.1 & T1.9.2) - T001 - E&M works, firemain and hydrants
SHT9730-250	SHT C&CT (T1.9.1 & T1.9.2) - T001 - E&M works, other fire services equipment
SHT9730-260	SHT C&CT (T1.9.1 & T1.9.2)- T001 - E&M works, T & C
CCT Works for HAT East w/ Emergency Pedestrian Passage	
HAT Plant Building and Cut & Cover Tunnel, East Area [303m Approx.]	
RC CCT Work (Ch 0+768 to Ch0+940)	
Backfilling (Ch0+768 to Ch0+940)	
HAT1869-120	HAT East C&CT - Waterproof, Backfilling and strut removal 172m/172m length
RC Works Access Shaft and Columns to GL	
Access Shaft	
HAT1071-160	HAT Maint. Access Shaft - Wall & Top Slab -Formworks, rebars, concrete, 2/ 3 bays(service shaft)
HAT1071-150	HAT Maint. Access Shaft - Wall & Top Slab -Formworks, rebars, concrete, 3/ 3 bays
RC CCT Work(Ch 0+940 to Ch 1+195)	
Retaining Wall (Ch 1+044 to Ch 1+182)	
HAT1868-1015	Retaining Wall - Formworks,Rebars, Concrete, 138m / 138m
HAT (Ch 0+768 to 1+195 -Utility Trough, E&M, TCSS (Works under Stage 7 & Section 2)	



FILE: 3M67 (Rev.00)

Sheet 4 of 7

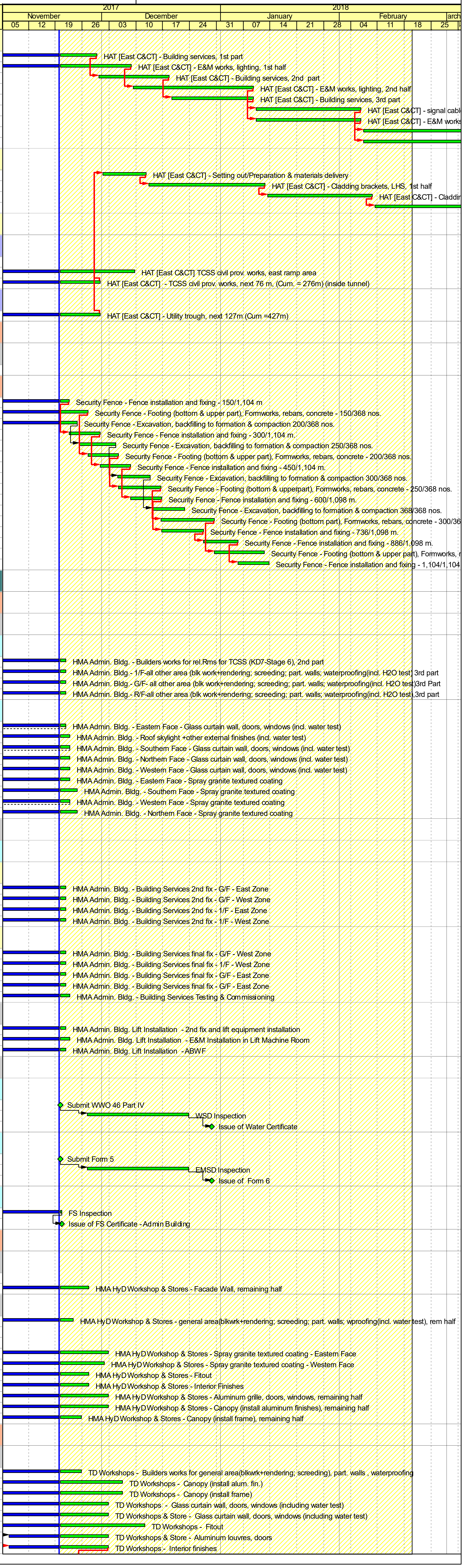
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Dec 2017 to Feb 2018)

Layout HZMB - (3M67 Rolling Prog)

TASK filters: 3M67, HZMB No Level Effort.

Activity ID	Activity Name
HAT - E&M & Utilities Installation	
A239174	HAT [East C&CT] - Building services, 1st part
A239214	HAT [East C&CT] - E&M works, lighting, 1st half
A239274	HAT [East C&CT] - Building services, 2nd part
A239344	HAT [East C&CT] - E&M works, lighting, 2nd half
A239284	HAT [East C&CT] - Building services, 3rd part
A239184	HAT [East C&CT] - signal cables, 1st half
A239224	HAT [East C&CT] - E&M works, other fire services eqpts., 1st half
A239314	HAT [East C&CT] - signal cables, remaining half
A239354	HAT [East C&CT] - E&M works, other fire services eqpts., 2nd half
HAT - Tunnel Cladding	
A239364	HAT [East C&CT] - Setting out/Preparation & materials delivery
A239124	HAT [East C&CT] - Cladding brackets, LHS, 1st half
A239134	HAT [East C&CT] - Cladding panels, LHS, remaining half
A239144	HAT [East C&CT] - Cladding brackets, RHS, 1st half
HAT Utility Trough	
TCSS Civil Prov. Works (under Stage 7)	
A239264	HAT [East C&CT] - TCSS civil prov. works, next 100 m, (Cum. = 200m) (inside tunnel)
A239114	HAT [East C&CT] TCSS civil prov. works, east ramp area
A238264	HAT [East C&CT] - TCSS civil prov. works, next 76 m, (Cum. = 276m) (inside tunnel)
Utility Trough	
A238214	HAT [East C&CT] - Utility trough, next 127m (Cum =427m)
Box Culvert Extension to outfall PR14 (457m Approx.)	
Box Culvert Extension to outfall PR14 (South Area, Bay S1 to S22)	
BC1110-221	PR14 South Area - Backfilling works, 22/22 bays
Security Fence	
LR.2010-76	Security Fence - Fence installation and fixing - 150/1,104 m
LR.2010-22	Security Fence - Footing (bottom & upper part), Formworks, rebars, concrete - 150/368 nos.
LR.2010-3	Security Fence - Excavation, backfilling to formation & compaction 200/368 nos.
LR.2010-86	Security Fence - Fence installation and fixing - 300/1,104 m.
LR.2010-4	Security Fence - Excavation, backfilling to formation & compaction 250/368 nos.
LR.2010-33	Security Fence - Footing (bottom & upper part), Formworks, rebars, concrete - 200/368 nos.
LR.2010-96	Security Fence - Fence installation and fixing - 450/1,104 m.
LR.2010-5	Security Fence - Excavation, backfilling to formation & compaction 300/368 nos.
LR.2010-44	Security Fence - Footing (bottom & upperpart), Formworks, rebars, concrete - 250/368 nos.
LR.2010-106	Security Fence - Fence installation and fixing - 600/1,098 m.
LR.2010-6	Security Fence - Excavation, backfilling to formation & compaction 368/368 nos.
LR.2010-55	Security Fence - Footing (bottom part), Formworks, rebars, concrete - 300/368 nos.
LR.2010-116	Security Fence - Fence installation and fixing - 736/1,098 m.
LR.2010-126	Security Fence - Fence installation and fixing - 886/1,098 m.
LR.2010-66	Security Fence - Footing (bottom & upper part), Formworks, rebars, concrete - 368/368 nos.
LR.2010-136	Security Fence - Fence installation and fixing - 1,104/1,104 m.
WORKS IN HAM(HIGHWAY OPERATION & MAINTENANCE AREA) & HAT CCT	
Administration Building	
ABWF & External Works	
Builder Works	
HMA4130	HMA Admin. Bldg. - Builders works for rel.Rms for TCSS (KD7-Stage 6), 2nd part
HMA4102	HMA Admin. Bldg.- 1/F-all other area (blk work+rendering; screeding; part. walls; waterproofing(incl. H2O test) 3rd part
HMA4092	HMA Admin. Bldg.- G/F- all other area (blk work+rendering; screeding; part. walls; waterproofing(incl. H2O test)3rd Part
HMA4122	HMA Admin. Bldg.- R/F-all other area (blk work+rendering; screeding; part. walls; waterproofing(incl. H2O test),3rd part
External Works	
HMA4040	HMA Admin. Bldg. - Eastern Face - Glass curtain wall, doors, windows (incl. water test)
HMA4200	HMA Admin. Bldg. - Roof skylight +other external finishes (incl. water test)
HMA4070	HMA Admin. Bldg. - Southern Face - Glass curtain wall, doors, windows (incl. water test)
HMA4150	HMA Admin. Bldg. - Northern Face - Glass curtain wall, doors, windows (incl. water test)
HMA4140	HMA Admin. Bldg. - Western Face - Glass curtain wall, doors, windows (incl. water test)
HMA4160	HMA Admin. Bldg. - Eastern Face - Spray granite textured coating
HMA4170	HMA Admin. Bldg. - Southern Face - Spray granite textured coating
HMA4180	HMA Admin. Bldg. - Western Face - Spray granite textured coating
HMA4190	HMA Admin. Bldg. - Northern Face - Spray granite textured coating
E&M Works	
Building Services	
2nd Fix	
HMA4218	HMA Admin. Bldg. - Building Services 2nd fix - G/F - East Zone
HMA4220	HMA Admin. Bldg. - Building Services 2nd fix - G/F - West Zone
HMA4222	HMA Admin. Bldg. - Building Services 2nd fix - 1/F - East Zone
HMA4224	HMA Admin. Bldg. - Building Services 2nd fix - 1/F - West Zone
Final Fix	
HMA4234	HMA Admin. Bldg. - Building Services final fix - G/F - West Zone
HMA4244	HMA Admin. Bldg. - Building Services final fix - 1/F - West Zone
HMA4254	HMA Admin. Bldg. - Building Services final fix - G/F - East Zone
HMA4264	HMA Admin. Bldg. - Building Services final fix - G/F - East Zone
HMA4274	HMA Admin. Bldg. - Building Services Testing & Commissioning
Lift Installation	
HMA4000-120	HMA Admin. Bldg. Lift Installation - 2nd fix and lift equipment installation
HMA4000-110	HMA Admin. Bldg. Lift Installation - E&M Installation in Lift Machine Room
HMA4000-100	HMA Admin. Bldg. Lift Installation - ABWF
Statutory Inspection	
Water Authority Inspection (Plumbing)	
HMA4280	Submit WWO 46 Part IV
HMA4320	WSD Inspection
HMA4330	Issue of Water Certificate
EMSD Inspection (Lift Installation)	
HMA4290	Submit Form 5
HMA4300	EMSD Inspection
HMA4310	Issue of Form 6
FSD Inspection	
HMA4260	FS Inspection
HMA4270	Issue of FS Certificate - Admin Building
HyD Workshop & Store Building	
Structure Works	
HMA1060-1368	HMA HyD Workshop & Stores - Facade Wall, 1st half
HMA1060-1518	HMA HyD Workshop & Stores - Facade Wall, remaining half
ABWF	
HMA1060-1288	HMA HyD Workshop & Stores - general area(blkwrk+rendering; screeding; part. walls; wproofing(incl. water test), rem half
HMA1060-1538	HMA HyD Workshop & Stores - Canopy (install frame), 1st half
HMA1060-1558	HMA HyD Workshop & Stores - Canopy (install aluminum finishes), 1st half
HMA1060-1798	HMA HyD Workshop & Stores - Spray granite textured coating - Eastern Face
HMA1060-1808	HMA HyD Workshop & Stores - Spray granite textured coating - Western Face
HMA1060-1818	HMA HyD Workshop & Stores - Fitout
HMA1060-1828	HMA HyD Workshop & Stores - Interior Finishes
HMA1060-1308	HMA HyD Workshop & Stores - Aluminum grille, doors, windows, remaining half
HMA1060-1568	HMA HyD Workshop & Stores - Canopy (install aluminum finishes), remaining half
HMA1060-1548	HMA HyD Workshop & Stores - Canopy (install frame), remaining half
TD Workshop & Store Building	
ABWF	
HMA1060-1438	TD Workshops - Builders works for general area(blkwrk+rendering; screeding), part. walls , waterproofing
HMA1060-1698	TD Workshops - Canopy (install alum. fin.)
HMA1060-1498	TD Workshops - Canopy (install frame)
HMA1060-1508	TD Workshops - Glass curtain wall, doors, windows (including water test)
HMA1060-1608	TD Workshops & Store - Glass curtain wall, doors, windows (including water test)
HMA1060-1728	TD Workshops - Fitout
HMA1060-1738	TD Workshops & Store - Aluminum louvres, doors
HMA1060-1748	TD Workshops - Interior finishes



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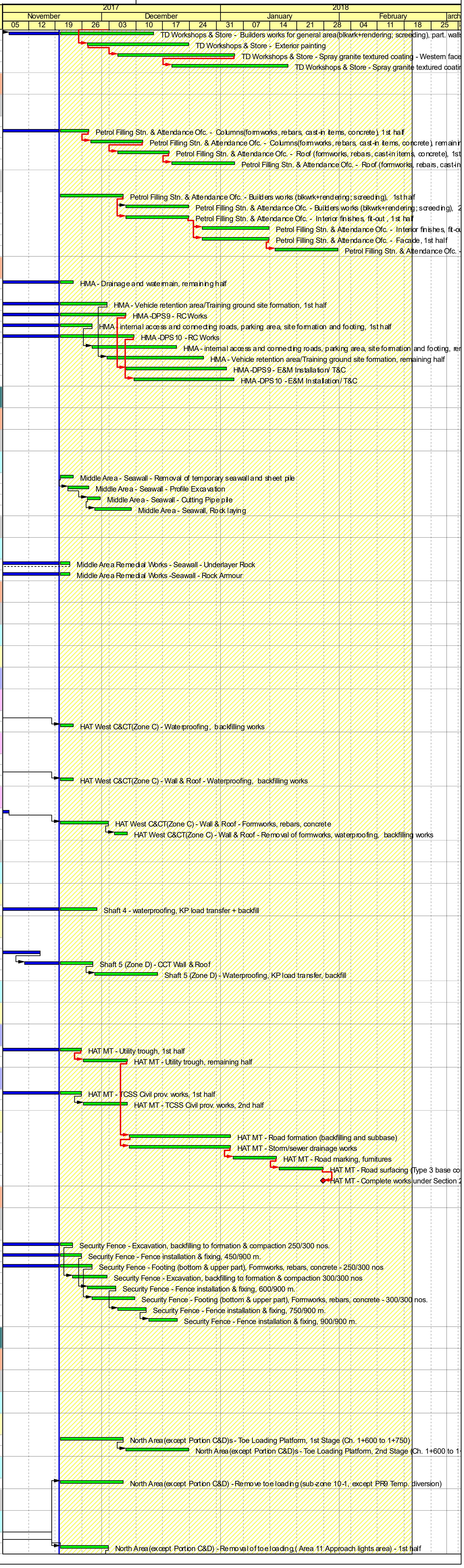
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Dec 2017 to Feb 2018)

Layout HZMB - (3M67 Rolling Prog)

TASK filters: 3M67, HZMB No Level Effort.

Activity ID	Activity Name
HMA1060-1758	TD Workshops & Store - Builders works for general area(blkwrk+rendering; screeding), part. walls , waterproofing
HMA1060-1768	TD Workshops & Store - Exterior painting
HMA1060-1778	TD Workshops & Store - Spray granite textured coating - Western face
HMA1060-1788	TD Workshops & Store - Spray granite textured coating - Easter face
Petrol Filling Station & Attendance Office/Dangerous Goods Store	
Petrol Filling Station - RC Works	
HMA1060-1638	Petrol Filling Stn. & Attendance Ofc. - Ground slab (formworks, rebars, cast-in items, concrete)
HMA1060-1648	Petrol Filling Stn. & Attendance Ofc. - Columns(formworks, rebars, cast-in items, concrete), 1st half
HMA1060-1658	Petrol Filling Stn. & Attendance Ofc. - Columns(formworks, rebars, cast-in items, concrete), remaining half
HMA1060-1668	Petrol Filling Stn. & Attendance Ofc. - Roof (formworks, rebars, cast-in items, concrete), 1st half
HMA1060-1678	Petrol Filling Stn. & Attendance Ofc. - Roof (formworks, rebars, cast-in items, concrete), remaining half
Petrol Filling Station and FAO -ABWF	
HMA1060-1468	Petrol Filling Stn. & Attendance Ofc. - Builders works (blkwrk+rendering; screeding), 1st half
HMA1060-1708	Petrol Filling Stn. & Attendance Ofc. - Builders works (blkwrk+rendering; screeding), 2nd half
HMA1060-1718	Petrol Filling Stn. & Attendance Ofc. - Interior finishes, fit-out , 1st half
HMA1060-1838	Petrol Filling Stn. & Attendance Ofc. - Interior finishes, fit-out , 2nd half
HMA1060-1848	Petrol Filling Stn. & Attendance Ofc. - Facade, 1st half
HMA1060-1858	Petrol Filling Stn. & Attendance Ofc. - Facade, 2nd half
External Works (Roadworks etc.)	
HMA3100	HMA - Drainage and watermain, remaining half
HMA3170	HMA -DPS 10 - Excavation
HMA3230	HMA - Vehicle retention area/Training ground site formation, 1st half
HMA3150	HMA -DPS 9 - RC Works
HMA3210	HMA - internal access and connecting roads, parking area, site formation and footing, 1st half
HMA3180	HMA -DPS 10 - RC Works
HMA3220	HMA - internal access and connecting roads, parking area, site formation and footing, remaining half
HMA3240	HMA - Vehicle retention area/Training ground site formation, remaining half
HMA3160	HMA -DPS 9 - E&M Installation/ T&C
HMA3190	HMA -DPS 10 - E&M Installation/ T&C
WORKS IN MIDDLE AREA CH15+050 to 15+500 (HKLR AT GRADE, HAT MT, BRIDGE A1 & A2)	
Reclamation Works - SWCH 0+960 to 1+400 (AHR 20mPD) & (12.5mPD)	
Seawall Construction (Middle Area) CH 0+980 to CH 1+400 - 420m	
SWCH 0+980 to SWCH 1+030 - 50m (PR14)	
SW1060	Middle Area - Seawall - Removal of temporary seawall and sheet pile
SW1070	Middle Area - Seawall - Profile Excavation
SW1080	Middle Area - Seawall - Cutting Pipe pile
SW1090	Middle Area - Seawall, Rock laying
Area 2: Investigation and Remedial Works - SWCH 1+030 to SWCH 1+280 (250m)	
Permanent Seawall	
A1460	Middle Area Remedial Works - Seawall - Underlayer Rock
A1470	Middle Area Remedial Works -Seawall - Rock Armour
Works in HAT Tunnel (Mined Tunnel and West CCT w/ Emergency Pedestrian Passage	
CCT for HAT across Airport Road [200m Approx.]	
Civil & Structural Works	
RC Works- HAT West CCT, Ch 0+270 to Ch 0+560	
RC Works - Zone C (Ch 0+530 to Ch 0+394)	
Ch. 0+490 to Ch. 0+470, L=20 m	
HAT1612-29	HAT West C&CT(Zone C) - Wall & Roof - Removal of formworks
HAT1612-209	HAT West C&CT(Zone C) - Waterproofing, backfilling works
Ch. 0+510 to Ch. 0+490, L=20 m	
HAT1612-49	HAT West C&CT(Zone C) - Wall & Roof - Formworks, rebars, concrete
HAT1612-59	HAT West C&CT(Zone C) - Wall & Roof - Removal of formworks
HAT1612-219	HAT West C&CT(Zone C) - Wall & Roof - Waterproofing, backfilling works
Ch. 0+530to Ch. 0+510, L=20 m	
HAT1612-69	HAT West C&CT(Zone C) - Base Slab - Waterproofing, formworks, rebars, concrete
HAT1612-79	HAT West C&CT(Zone C) - Wall & Roof - Formworks, rebars, concrete
HAT1612-89	HAT West C&CT(Zone C) - Wall & Roof - Removal of formworks, waterproofing, backfilling works
Mined Tunnel for HAT underneath AEL & at East Coast Road [198m-Drill & Break)(Ch 0+557 to Ch 0+756]	
Utilities Diversion, SI Works and Temp. Access Shaft (Shaft 4)	
SHAFT 4 - CCT RC Works	
HAT0041	Shaft 4 - waterproofing, KP load transfer + backfill
SHAFT 5 - CCT Works	
HAT0051	Shaft 5 (Zone D) - Start of RC works
HAT0061	Shaft 5 (Zone D) - CCT Base Slab
HAT0071	Shaft 5 (Zone D) - CCT Wall & Roof
HAT0081	Shaft 5 (Zone D) - Waterproofing, KP load transfer, backfill
HAT Mined Tunnel Works	
HAT MT Utility Trough	
Utility Trough	
HAT2570	HAT MT - Utility trough, 1st half
HAT2580	HAT MT - Utility trough, remaining half
TCSS Civil Prov. Works (under Stage 7)	
HAT2590	HAT MT - TCSS Civil prov. works, 1st half
HAT2600	HAT MT - TCSS Civil prov. works, 2nd half
Roadworks (Drainage, Surfacing and Road Marking)	
HAT2610	HAT MT - Road formation (backfilling and subbase)
HAT2620	HAT MT - Storm/sewer drainage works
HAT2630	HAT MT - Road marking, furnitures
HAT2640	HAT MT - Road surfacing (Type 3 base course + stone mastic asphalt)
HAT2650	HAT MT - Complete works under Section 2
Security Fence	
CH 15+050 to CH 15+500, Length = 450 m.	
LR.2010-013	Security Fence - Footing (bottom & upper part), Formworks, rebars, concrete - 200/300 nos
LR.2010-006	Security Fence - Excavation, backfilling to formation & compaction 250/300 nos.
LR.2010-045	Security Fence - Fence installation & fixing, 450/900 m.
LR.2010-014	Security Fence - Footing (bottom & upper part), Formworks, rebars, concrete - 250/300 nos
LR.2010-115	Security Fence - Excavation, backfilling to formation & compaction 300/300 nos
LR.2010-065	Security Fence - Fence installation & fixing, 600/900 m.
LR.2010-015	Security Fence - Footing (bottom & upper part), Formworks, rebars, concrete - 300/300 nos.
LR.2010-075	Security Fence - Fence installation & fixing, 750/900 m.
LR.2010-085	Security Fence - Fence installation & fixing, 900/900 m.
WORKS IN NORTH AREA - CH 15+500 to CH 16+223 (HKLR AT GRADE & ROADWORKS)	
Reclamation SWCH 1+400 to SWCH 1+830 (incl. Approach Lights Area, 430m Approx.)	
Reclamation SWCH 1+400 to SWCH 1+590)(incl. PR09 Temp. Diversion Area)	
Reclamation SWCH 1+400 to 1+500 (PR09 Temp. Diversion)	
Toe Loading Platform (for Seawall & Reclamation)	
SWTL -120	North Area (except Portion C&D)s - Toe Loading Platform, 1st Stage (Ch. 1+600 to 1+750)
SWTL -220	North Area (except Portion C&D)s - Toe Loading Platform, 2nd Stage (Ch. 1+600 to 1+750)
Reclamation SWCH 1+500 to 1+590 (Except PR09 Temp. Diversion Area)	
RSC1070-105	North Area (except Portion C&D) - Remove toe loading (sub-zone 10-1, except PR9 Temp. diversion)
Reclamation SWCH 1+600 to 1+720 (including Approach Lights Area)	
Reclamation SWCH 1+600 to 1+720 (Approach Lights Area - Area 2)	
RSC1070-29	North Area (except Portion C&D) - Permanent Seawall - Rock Armour
RSC1070-39	North Area (except Portion C&D) - Removal of toe loading,(Area 11 Approach lights area) - 1st half



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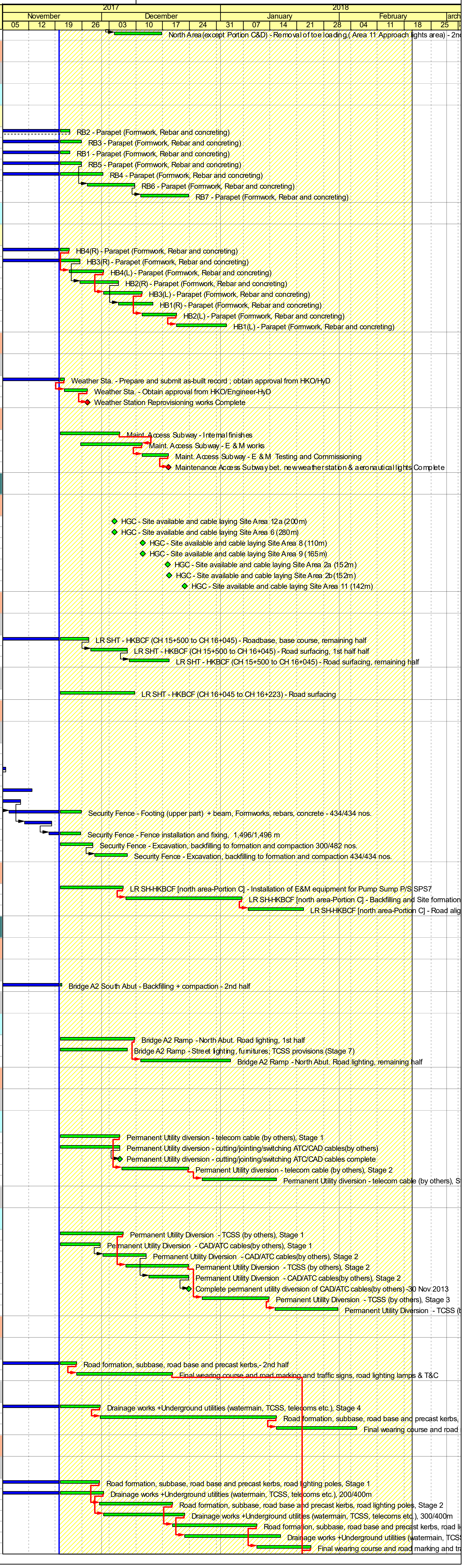
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Dec 2017 to Feb 2018)

Layout HZMB - (3M67 Rolling Prog)

TASK filters: 3M67, HZMB No Level Effort.

Activity ID	Activity Name
RSC1070-390	North Area (except Portion C&D) - Removal of toe loading,(Area 11 Approach lights area) - 2nd half
"Zone D" - Portion C & D1 From SWCH1+830 to SWCH 2+070	
Portion D1	
Retaining Structure (R1 & R7)	
Parapet (RB1 - RB7)	
RA2380	RB2 - Parapet (Formwork, Rebar and concreting)
RA2390	RB3 - Parapet (Formwork, Rebar and concreting)
RA2420	RB1 - Parapet (Formwork, Rebar and concreting)
RA2370	RB5 - Parapet (Formwork, Rebar and concreting)
RA2430	RB4 - Parapet (Formwork, Rebar and concreting)
RA2410	RB6 - Parapet (Formwork, Rebar and concreting)
RA2400	RB7 - Parapet (Formwork, Rebar and concreting)
Retaining Structure (HB1 - HB4)	
Parapet(HB1 - HB4)	
RA2250	HB4(R) - Parapet (Formwork, Rebar and concreting)
RA2260	HB3(R) - Parapet (Formwork, Rebar and concreting)
RA2290	HB4(L) - Parapet (Formwork, Rebar and concreting)
RA2270	HB2(R) - Parapet (Formwork, Rebar and concreting)
RA2440	HB3(L) - Parapet (Formwork, Rebar and concreting)
RA2280	HB1(R) - Parapet (Formwork, Rebar and concreting)
RA2450	HB2(L) - Parapet (Formwork, Rebar and concreting)
RA2460	HB1(L) - Parapet (Formwork, Rebar and concreting)
Reprovisioning Works	
Weather Station	
WS1050	Weather Sta. - Prepare and submit as-built record ; obtain approval from HKO/HyD
WS1060	Weather Sta. - Obtain approval from HKO/Engineer-HyD
WS.170	Weather Station Reprovisioning works Complete
Maintenance Access Subway bet. New Weather Station & Aeronautical Lights	
MAS1060	Maint. Access Subway - Internal finishes
MAS1070	Maint. Access Subway - E & M works
MAS1071	Maint. Access Subway - E & M Testing and Commissioning
MAS1080	Maintenance Access Subway bet. new weather station & aeronautical lights Complete
T001 / T002 ON GRADE ROADWORKS (Works under Section 1]	
HGC cable laying (by HGC)	
BA2.1205-955	HGC - Site available and cable laying Site Area 12a (200m)
BA2.1205-855	HGC - Site available and cable laying Site Area 6 (280m)
BA2.1205-895	HGC - Site available and cable laying Site Area 8 (110m)
BA2.1205-905	HGC - Site available and cable laying Site Area 9 (165m)
BA2.1205-835	HGC - Site available and cable laying Site Area 2a (152m)
BA2.1205-935	HGC - Site available and cable laying Site Area 2b(152m)
BA2.1205-925	HGC - Site available and cable laying Site Area 11 (142m)
Roadworks	
CH 15+500 to CH 16+045	
LR.1205-966	LR SHT - HKBCF (CH 15+500 to CH 16+045) - Roadbase, base course, remaining half
LR.1205-976	LR SHT - HKBCF (CH 15+500 to CH 16+045) - Road surfacing, 1st half half
LR.1205-1016	LR SHT - HKBCF (CH 15+500 to CH 16+045) - Road surfacing, remaining half
CH 16+045 to CH 16+223	
LR.1205-1006	LR SHT - HKBCF (CH 16+045 to CH 16+223) - Road surfacing
Security Fence - HKLR	
CH 15+500 to CH 16+150, Length = 650 m	
LR.2000-014	Security Fence - Footing (bottom & upper part), Formworks, rebars, concrete - 300/482 nos.
LR.2000-064	Security Fence - Fence installation and fixing, 600/1,446 m
LR.2000-023	Security Fence - Footing (upper part) + beam, Formworks, rebars, concrete - 300/434 nos.
LR.2000-074	Security Fence - Fence installation and fixing, 750/1,496 m
LR.2000-015	Security Fence - Footing (bottom part), Formworks, rebars, concrete - 434/434 nos.
LR.2000-084	Security Fence - Fence installation and fixing, 900/1,496 m
LR.2000-024	Security Fence - Footing (upper part) + beam, Formworks, rebars, concrete - 434/434 nos.
LR.2000-094	Security Fence - Fence installation and fixing, 1,050/1,496 m
LR.2000-104	Security Fence - Fence installation and fixing, 1,496/1,496 m
LR.2000-004	Security Fence - Excavation, backfilling to formation and compaction 300/482 nos.
LR.2000-005	Security Fence - Excavation, backfilling to formation and compaction 434/434 nos.
Interface w/ HY/2010/02- 16+045 to 16+223.24	
A238284	LR SH-HKBCF [north area-Portion C] - Installation of E&M equipment for Pump Sump P/S SPS7
LR2540	LR SH-HKBCF [north area-Portion C] - Backfilling and Site formation
LR2550	LR SH-HKBCF [north area-Portion C] - Road alignment formation, 1st half
NB AIRPORT ROAD WORKS (INCL. BA2) - under Section 2 (Middle to North Area)	
Works in Bridge A2, under Stage 2 TTA, Diversion of SB Airport Rd (Works under Section 2)	
BA2 -South Abutment and Ramp	
BA2.1205-485	Bridge A2 South Abut - Backfilling + compaction - 2nd half
BA2 -North Abutment and Ramp	
BA2 - North Abutment Utilities + Roadworks	
BA2.1205-1035	Bridge A2 Ramp - North Abut. Road lighting, 1st half
BA2.1205-1055	Bridge A2 Ramp - Street lighting, furnitures; TCSS provisions (Stage 7)
BA2.1205-1045	Bridge A2 Ramp - North Abut. Road lighting, remaining half
Utility Culverts 1, 2 & 3 (Works under Section 2)	
Utility Culvert No. 1 Ext. across the road leading to Cheong Hong Road [48m Approx.]-1	
Permanent Utility Diversion inside UC 1	
UC1.1114	Permanent Utility diversion - telecom cable (by others), Stage 1
UC1.1115	Permanent Utility diversion - cutting/jointing/switching ATC/CAD cables(by others)
UC1.1116	Permanent Utility diversion - cutting/jointing/switching ATC/CAD cables complete
UC1.1163	Permanent Utility diversion - telecom cable (by others), Stage 2
UC1.1173	Permanent Utility diversion - telecom cable (by others), Stage 3
Utility Culvert No. 2 Ext. near Bridge A2 [15m Approx.] (Works under Section 2)	
Permanent Utility Diversion inside UC2	
UC2.1058	Permanent Utility Diversion - TCSS (by others), Stage 1
UC2.1059	Permanent Utility Diversion - CAD/ATC cables(by others), Stage 1
UC2.10591	Permanent Utility Diversion - CAD/ATC cables(by others), Stage 2
UC2.10581	Permanent Utility Diversion - TCSS (by others), Stage 2
UC2.10592	Permanent Utility Diversion - CAD/ATC cables(by others), Stage 2
UC2.1061	Complete permanent utility diversion of CAD/ATC cables(by others) -30 Nov 2013
UC2.10582	Permanent Utility Diversion - TCSS (by others), Stage 3
UC2.105241	Permanent Utility Diversion - TCSS (by others), Stage 4
Roadworks to be constructed under Stage 2 TTA	
M003 Ch 0+400 to 0+800 (Permanent), L=400m	
A237824	Road formation, subbase, road base and precast kerbs,- 2nd half
A2880	Final wearing course and road marking and traffic signs, road lighting lamps & T&C
M004 (from BA2) Ch 0+600 to 0+730 (Permanent), L=130m	
A2920	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), Stage 4
A2930	Road formation, subbase, road base and precast kerbs, road lighting poles
A2940	Final wearing course and road marking and traffic signs, road lighting lamps & T&C
Roadworks to be constructed under Stage 3 TTA	
M003 Ch 0+800 to 1+200	
A3340	Road formation, subbase, road base and precast kerbs, road lighting poles, Stage 1
A3051	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 200/400m
A3350	Road formation, subbase, road base and precast kerbs, road lighting poles, Stage 2
A3052	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 300/400m
A3060	Road formation, subbase, road base and precast kerbs, road lighting poles, Stage 3
A3053	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 400/400m
A3470	Final wearing course and road marking and traffic signs, road lighting lamps & T&C, 1st half



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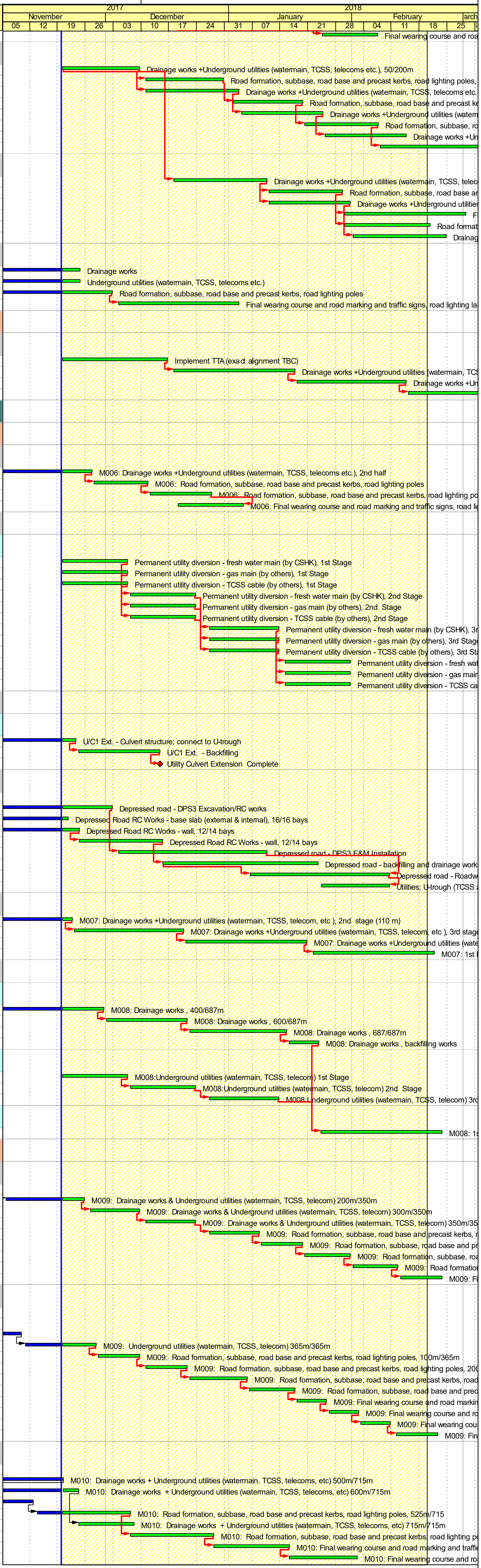
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(Dec 2017 to Feb 2018)

Layout HZMB - (3M67 Rolling Prog)

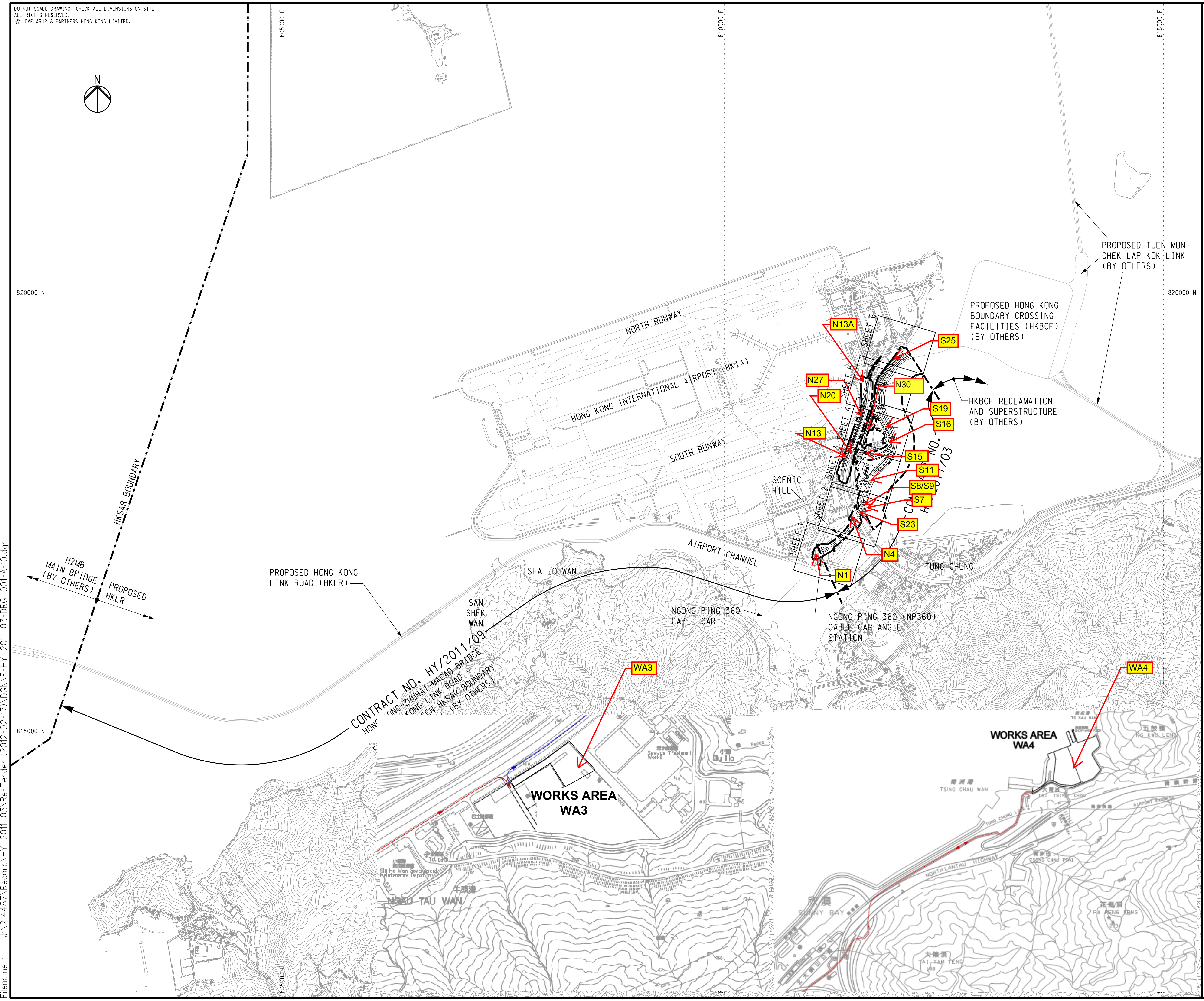
TASK filters: 3M67, HZMB No Level Effort.

Activity ID	Activity Name
A3070	Final wearing course and road marking and traffic signs, road lighting lamps & T&C, remaining half
M005 Ch 0+000 to 0+200, (Permanent) L= 200m (after HAT Ramp)	
A2950	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 50/200m
A2960	Road formation, subbase, road base and precast kerbs, road lighting poles, 75/200m
A2951	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 50/200m
A3540	Road formation, subbase, road base and precast kerbs, road lighting poles, 150/200m
A2952	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 50/200m
A3550	Road formation, subbase, road base and precast kerbs, road lighting poles, 200/200m
A2953	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 50/200m
A2970	Final wearing course and road marking and traffic signs, road lighting lamps & T&C
M011 Ch 0+350 to 0+546, (Permanent) L= 196m	
A2980	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 50/196m
A2990	Road formation, subbase, road base and precast kerbs, road lighting poles, 75/196m
A2981	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 50/196m
A3000	Final wearing course and road marking and traffic signs, road lighting lamps & T&C
A3560	Road formation, subbase, road base and precast kerbs, road lighting poles, 150/196m
A2982	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 50/196m
Permanent Slip Road (going NB Airport Rd to T1 & T2)	
A3010	Drainage works
A3020	Underground utilities (watermain, TCSS, telecoms etc.)
A3030	Road formation, subbase, road base and precast kerbs, road lighting poles
A3040	Final wearing course and road marking and traffic signs, road lighting lamps & T&C
Remaining Permanent Roadworks under diff. TTA Schemes	
M002 connection to existing road	
A3080	Implement TTA (exact alignment TBC)
A3090	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 1st half
A3091	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), remaining half
A3100	Road formation, subbase, road base and precast kerbs, road lighting poles
EAST COAST ROAD WORKS (INCL. BA1 & DEP. RD.) - under Section 2 (Middle to North Area)	
Works to be constructed under Stage 3 TTA (divert traffic to BA1 & ex. ECR SB RD/ Future M009)	
Construct M006 (except entrance to ex. Tung Fai Rd)	
A4610	M006: Drainage works +Underground utilities (watermain, TCSS, telecoms etc.), 2nd half
A4620	M006: Road formation, subbase, road base and precast kerbs, road lighting poles
A4621	M006: Road formation, subbase, road base and precast kerbs, road lighting poles
A4630	M006: Final wearing course and road marking and traffic signs, road lighting lamps & T&C
Stage 2 ELS - Permanent Soldier Pile Wall along AEL	
Utilities Permanent Diversion at BA1/Depressed Rd Area	
A3880	Permanent utility diversion - fresh water main (by CSHK), 1st Stage
A3900	Permanent utility diversion - gas main (by others), 1st Stage
A3850	Permanent utility diversion - TCSS cable (by others), 1st Stage
A3891	Permanent utility diversion - fresh water main (by CSHK), 2nd Stage
A3930	Permanent utility diversion - gas main (by others), 2nd Stage
A3921	Permanent utility diversion - TCSS cable (by others), 2nd Stage
A3861	Permanent utility diversion - fresh water main (by CSHK), 3rd Stage
A3901	Permanent utility diversion - gas main (by others), 3rd Stage
A3851	Permanent utility diversion - TCSS cable (by others), 3rd Stage
A3941	Permanent utility diversion - fresh water main (by CSHK), 4th Stage
A3951	Permanent utility diversion - gas main (by others), 4th Stage
A3971	Permanent utility diversion - TCSS cable (by others), 4th Stage
Utility Culvert Ext. No. 1 at Bridge A1 [100m Approx.]	
UC1 Ext. - Section 2 & 3	
A3580	U/C1 Ext. - Culvert structure; connect to U-trough
A3590	U/C1 Ext. - Backfilling
A3600	Utility Culvert Extension Complete
Depressed Road - RC Structural Works (Retaining Wall, Trough and Ramp)	
A3510	Depressed Road RC Works - wall, 8/14 bays
A3430	Depressed road - DPS3 Excavation/RC works
A3500	Depressed Road RC Works - base slab (external & internal), 16/16 bays
A3520	Depressed Road RC Works - wall, 12/14 bays
A3530	Depressed Road RC Works - wall, 12/14 bays
A3440	Depressed road - DPS3 E&M Installation
A3380	Depressed road - backfilling and drainage works
A3410	Depressed road - Roadworks [surfacing, marking, furnitures]
A3390	Utilities; U-trough (TCSS and Utility)
Construct M007 Ch. 0+100 to Ch. 0+483), L=383m	
A4720	M007: Drainage works +Underground utilities (watermain, TCSS, telecom, etc), 2nd stage (110 m)
A4730	M007: Drainage works +Underground utilities (watermain, TCSS, telecom, etc), 3rd stage (110m)
A4840	M007: Drainage works +Underground utilities (watermain, TCSS, telecom, etc), 4th stage (1110m)
A4900	M007: 1st Half: Road formation, subbase, road base and precast kerbs, road lighting poles
Construct M008, Ch 0+100 to Ch 0+787, L=687m (except Depressed Rd. Area)	
Drainage Works	
A4371	M008: Drainage works , 400/687m
A4372	M008: Drainage works , 600/687m
A4373	M008: Drainage works , 687/687m
A4374	M008: Drainage works , backfilling works
Underground utilities	
A237984	M008:Underground utilities (watermain, TCSS, telecom) 1st Stage
A237994	M008:Underground utilities (watermain, TCSS, telecom) 2nd Stage
A238004	M008:Underground utilities (watermain, TCSS, telecom) 3rd Stage
Roadworks	
A4380	M008: 1st Half: Road formation, subbase, road base and precast kerbs, road lighting poles, 1st part
Construct Remaining M009 and M010 (at North Area)	
Construct M009 Ch 0+700 to Ch 1+050, L= 350m	
A4790	M009: Drainage works & Underground utilities (watermain, TCSS, telecom) 100m/350m
A238054	M009: Drainage works & Underground utilities (watermain, TCSS, telecom) 200m/350m
A238064	M009: Drainage works & Underground utilities (watermain, TCSS, telecom) 300m/350m
A238074	M009: Drainage works & Underground utilities (watermain, TCSS, telecom) 350m/350m
A4800	M009: Road formation, subbase, road base and precast kerbs, road lighting poles, 100m/350m
A4880	M009: Road formation, subbase, road base and precast kerbs, road lighting poles, 200m/350m
A5040	M009: Road formation, subbase, road base and precast kerbs, road lighting poles, 300m/350m
A5050	M009: Road formation, subbase, road base and precast kerbs, road lighting poles, 350m/350m
A4810	M009: Final wearing course and road marking and traffic signs, road lighting lamps & T&C, 100m/350m
Construct M009 Ch 1+050 to Ch 1+415, L= 365m	
A238104	M009: Drainage works 350m/365m
A238184	M009: Underground utilities (watermain, TCSS, telecom) 120m/365m
A239104	M009: Underground utilities (watermain, TCSS, telecom) 240m/365m
A239334	M009: Underground utilities (watermain, TCSS, telecom) 365m/365m
A4880-1	M009: Road formation, subbase, road base and precast kerbs, road lighting poles, 100m/365m
A4880-2	M009: Road formation, subbase, road base and precast kerbs, road lighting poles, 200m/365m
A4880-3	M009: Road formation, subbase, road base and precast kerbs, road lighting poles, 300m/365m
A4880-4	M009: Road formation, subbase, road base and precast kerbs, road lighting poles, 365m/365m
A4890	M009: Final wearing course and road marking and traffic signs, road lighting lamps & T&C, 100m/365m
A5030	M009: Final wearing course and road marking and traffic signs, road lighting lamps & T&C, 100m/365m
A4880-11	M009: Final wearing course and road marking and traffic signs, road lighting lamps & T&C, 100m/365m
A4880-21	M009: Final wearing course and road marking and traffic signs, road lighting lamps & T&C, 100m/365m
Construct M010 Ch 0+700 to Ch 1+415, L= 715m	
A4760	M010: Road formation, subbase, road base and precast kerbs, road lighting poles, 175m/715
A238194	M010: Drainage works + Underground utilities (watermain, TCSS, telecoms, etc) 500m/715m
A238204	M010: Drainage works + Underground utilities (watermain, TCSS, telecoms, etc) 600m/715m
A4780	M010: Road formation, subbase, road base and precast kerbs, road lighting poles, 350m/715
A4820	M010: Road formation, subbase, road base and precast kerbs, road lighting poles, 525m/715
A239294	M010: Drainage works + Underground utilities (watermain, TCSS, telecoms, etc) 715m/715m
A4830	M010: Road formation, subbase, road base and precast kerbs, road lighting poles, 715m/715
A4770	M010: Final wearing course and road marking and traffic signs, road lighting lamps & T&C, 1st half
A4850	M010: Final wearing course and road marking and traffic signs, road lighting lamps & T&C, remaining half



APPENDIX C

Location of Works Areas



NOTES

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

LEGEND

—·—·— SITE BOUNDARY

Rev	Description	By	Date
A	TENDER ISSUE	IL	02/12

Consultant

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

Contract No. and Title:

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

Drawing title

GENERAL LAYOUT
KEY PLAN

Drawing no. 214487/2/T/001
Rev. A

Drawn	Date	Checked	Approved
RY	02/12	IL	SK

Scale 1:20000 @A1
Status TENDER

路政署
HIGHWAYS DEPARTMENT
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Rev	Description	By	Date
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Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title
WORKS AREAS
KEY PLAN

Drawing no. 214487/2/T/130
Rev. A

Drawn	Date	Checked	Approved
RY	02/12	IL	SK

Scale 1:30000 @A1
Status TENDER

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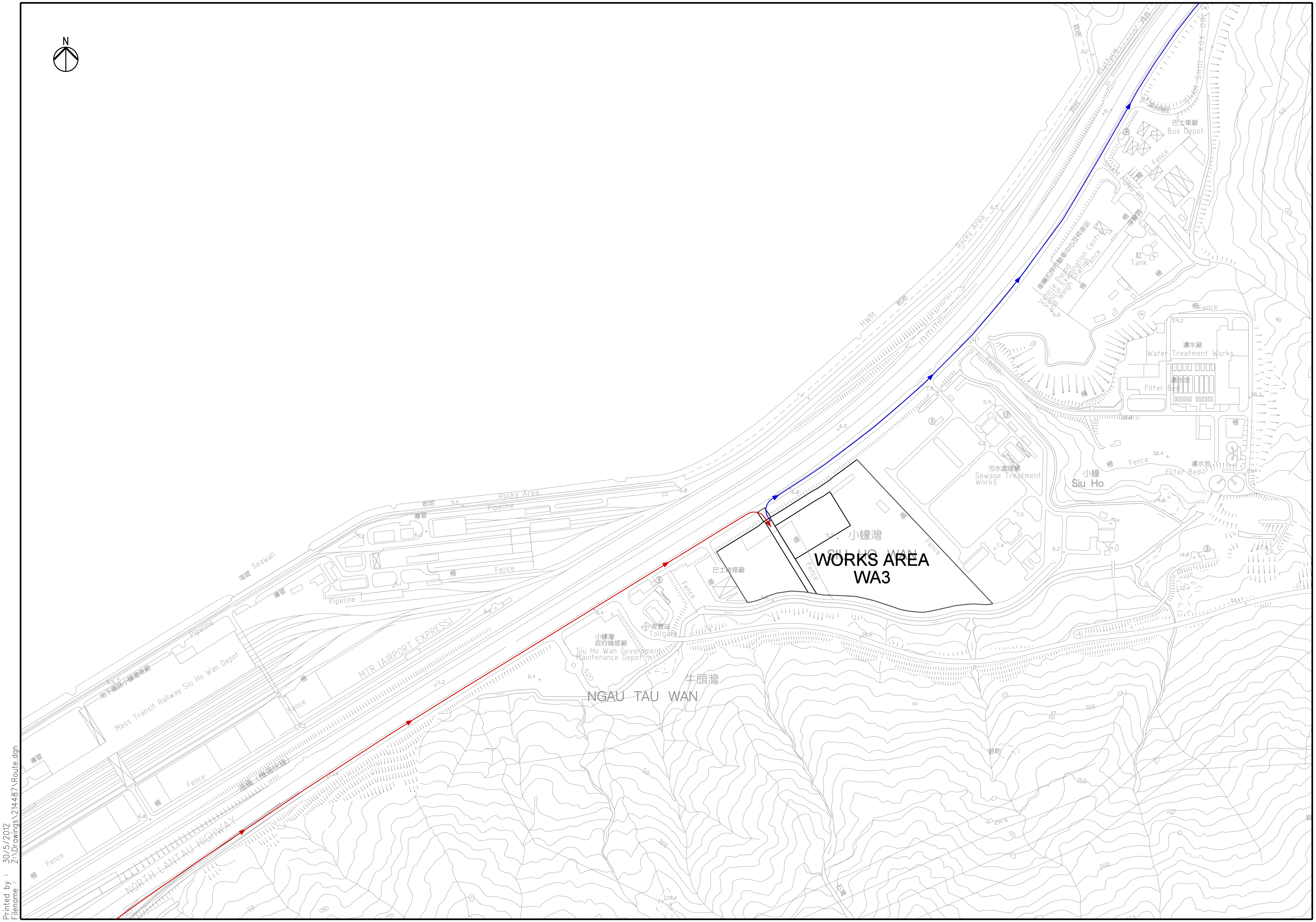

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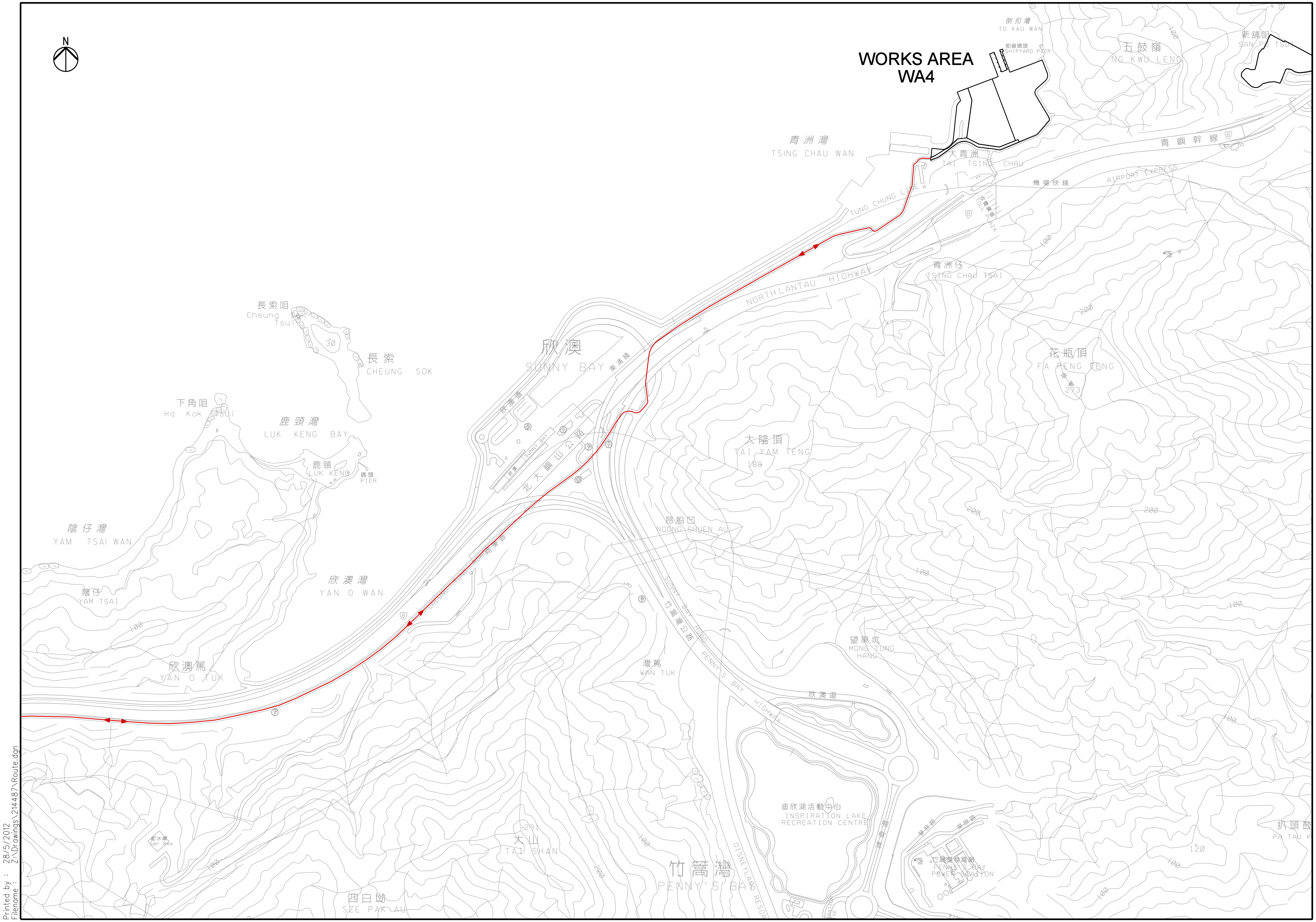

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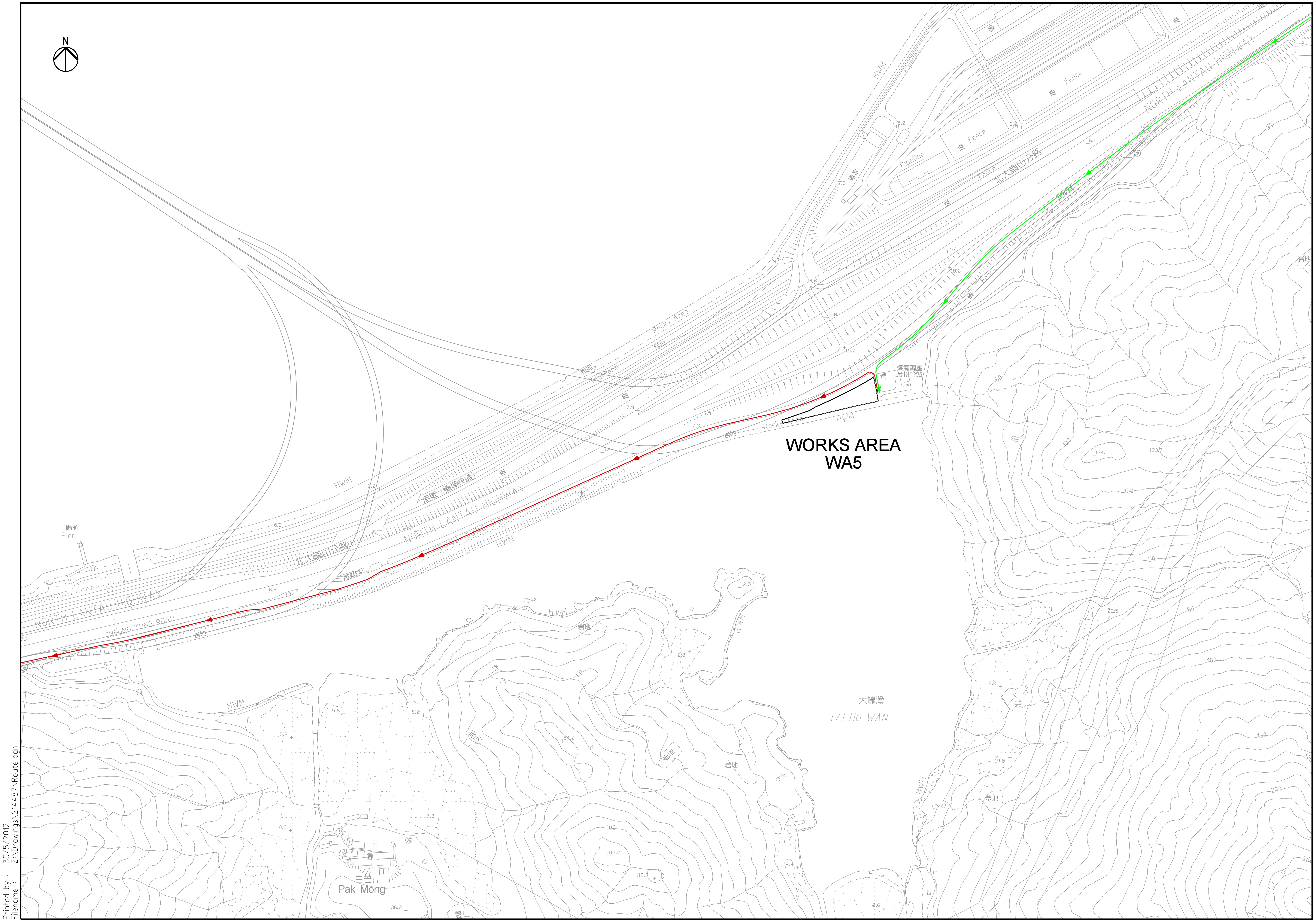

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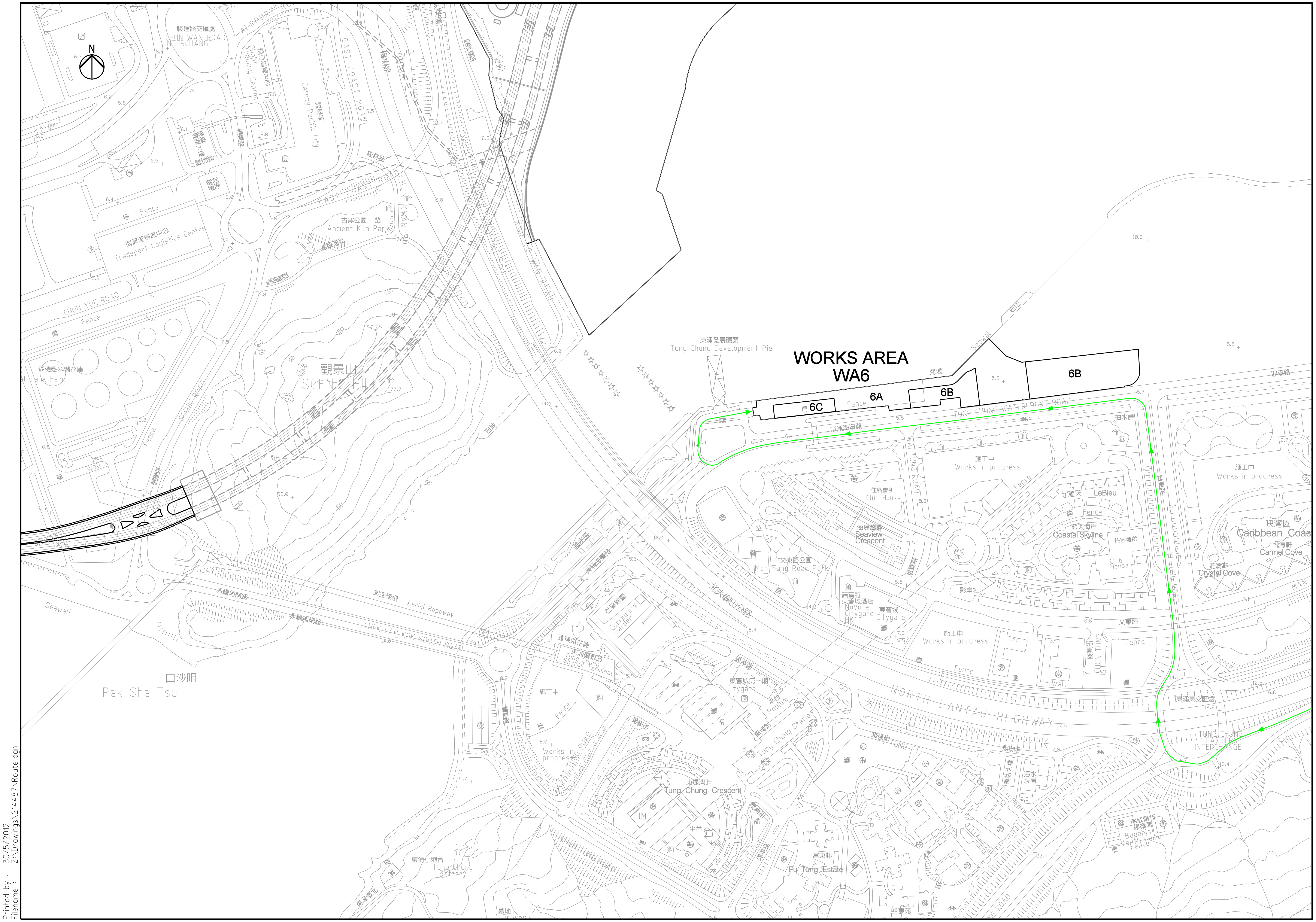

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ASTING	NORTHING
348.796	822770.422
523.417	822694.349
423.787	822654.869
400.886	822664.001
378.668	822619.576
292.107	822608.736
259.260	822647.715

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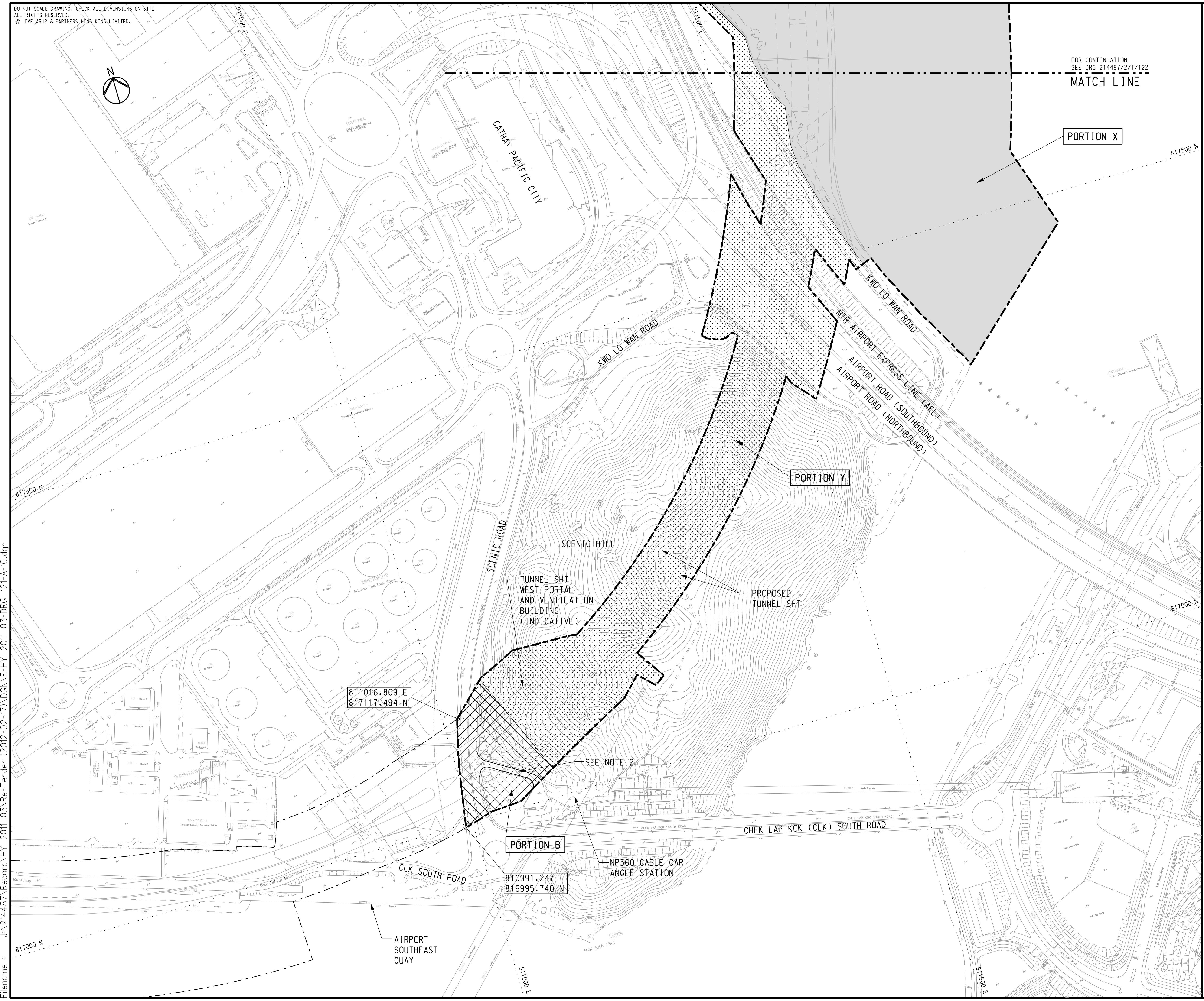

NOTES

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

LEGEND

‒ ‒ ‒	SITE BOUNDARY
▨	PORTION X
▨	PORTION Y
▨	PORTION B
▨	PORTION C
▨	PORTION D1

Rev	Description	By	Date
A	TENDER ISSUE	IL	02/12

Consultant

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Contract No. and Title:

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

Drawing title

PORTION OF SITE
(SHEET 1 OF 3)

Drawing no.		Rev.	
214487/2/T/121		A	
Drawn	Date	Checked	Approved
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NOTES

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

A	TENDER ISSUE	IL	02/12
Rev	Description	By	Date

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Contract No. HY/2011/03
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Drawing title

PORTION OF SITE
(SHEET 2 OF 3)

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

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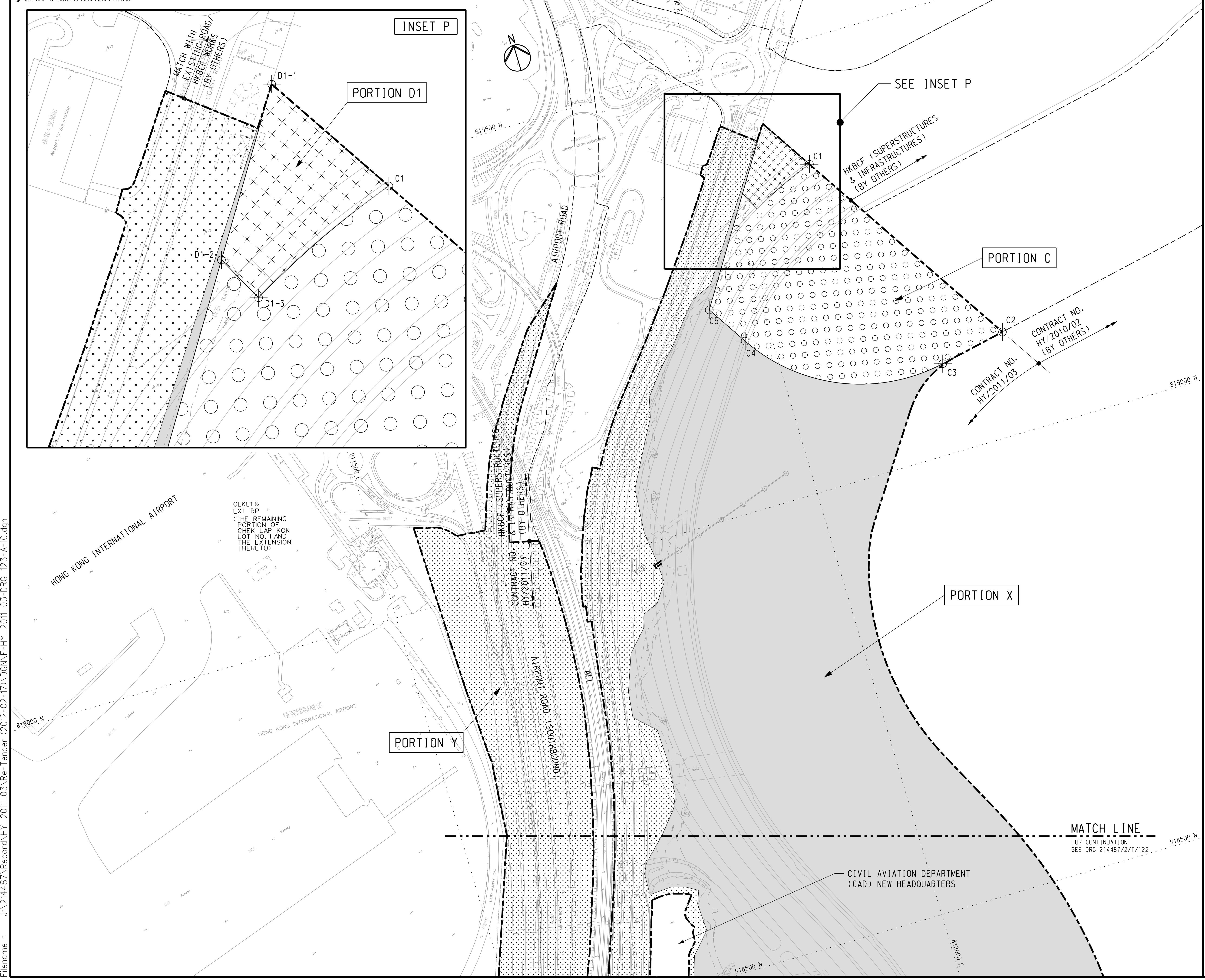

NOTES

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

SETTING OUT CO-ORDINATES OF SITE PORTION C

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

SETTING OUT CO-ORDINATES OF SITE PORTION D1

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

Rev	Description	By	Date
A	TENDER ISSUE	IL	02/12

Consultant
ARUP 奧雅納工程顧問
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Contract No. and Title:
Contract No. HY/2011/03
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
Hong Kong Boundary Crossing Facilities

Drawing title
PORTION OF SITE
(SHEET 3 OF 3)

Drawing no. 214487/2/T/123
Rev. A

Drawn	Date	Checked	Approved
RY	02/12	IL	SK

Scale 1:2000 @A1
Status TENDER

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HIGHWAYS DEPARTMENT
港珠澳大橋香港工程管理處
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APPENDIX D

Event and Action Plan

Event and Action Plan for Air Quality

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

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

Event and Action Plan for Noise

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

Event and Action Plan for Water Quality

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

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

Event and Action Plan for Dolphin Monitoring

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

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

Event and Action Plan for Mudflat Monitoring

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

APPENDIX E

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Air Quality							
S5.5.6.1	A1	1) The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	Partially implemented
S5.5.6.2	A2	2) Proper watering of exposed spoil should be undertaken throughout the construction phase: • Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; • Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; • A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones. • The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle; • Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	√
S5.5.6.2	A2	• When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period;	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	√

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

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

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

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S6.4.11	N2	2) Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening.	Contractor	All construction sites	Construction stage	√
S6.4.12	N3	3) Install movable noise barriers (typically density @ 14kg/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	√
S6.4.13	N4	4) Select Quiet plants which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise levels of plant items	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	√
S6.4.14	N5	5) Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	√
	N6	6) Implement a noise monitoring under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected representative noise monitoring station	Construction stage	√
Waste Management (Construction waste)							
S8.3.8	WM1	<u>Construction and Demolition Material</u> The following mitigation measures should be implemented in handling the waste: • Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; • Carry out on-site sorting; • Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; • Adopt .Selective Demolition. technique to demolish the existing structures and facilities	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
		with a view to recovering broken concrete effectively for recycling purpose, where possible; • Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and • Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005. Environmental Management on Construction Sites. to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction. • In addition, disposal of the C&D materials onto any sensitive locations such as agricultural lands, etc. should be avoided. The Contractor shall propose the final disposal sites to the Project Proponent and get its approval before implementation					
S8.3.9-S8.3.11	WM2	C&D Waste • Standard formwork or pre-fabrication should be used as far as practicable in order to minimise the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage. • The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage.	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	√

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

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	Partially implemented

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

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1-S9.11.1.2	W1	• excess material shall be cleaned from the decks and exposed fittings of barges before the vessel is moved; • all vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; and • the works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.	To control construction water quality	Contractor	During seawall filling	Construction stage	√
S9.11.1-S9.11.1.2	W1	• 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	Partially implemented

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		into the drainage system, and to prevent storm run-off from getting into foul sewers; • discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.					
S9.14	W3	• Implement a water quality monitoring programme	Control water quality	Contractor	At identified monitoring	During construction	√
Ecology (Construction Phase)							
S10.7	E1	• Good site practices to avoid runoff entering woodland habitats in Scenic Hill; • Reinstate works areas in Scenic Hill; • Avoid stream modification in Scenic Hill.	Avoid potential disturbance on habitat of Romer.s Tree Frog in Scenic Hill	Designer; Contractor	Scenic Hill	During construction	√
S10.7	E2	• Install silt curtain during the construction; • Construct seawall prior to reclamation filling where practicable; • Good site practices; • Site runoff control; • Spill response plan.	Minimise marine water quality impacts	Contractor	Seawall, reclamation area	During construction	√
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	√

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S10.7	E6	•Dolphin Exclusion Zone; •Dolphin watching plan .	Minimize temporary marine habitat loss impact to dolphins	Contractor	Marine works	During marine works	√
S10.7	E7	•Decouple compressors and other equipment on working vessels; • Avoidance of percussive piling; •Marine underwater noise monitoring; •Temporal suspension of drilling bored pile casing in rock during peak dolphin calving season in May and June; •Handling with care for the installation of sheet piling for reclamation site	Minimize temporary marine habitat loss impact to dolphins	Contractor	Marine works	During marine works	√
S10.7	E8	•Control vessel speed; •Skipper training; •Predefined and regular routes for working vessels; avoid Brothers Islands.	Minimise marine traffic disturbance on dolphins	Contractor	Marine traffic	During marine works	√
S10.10	E9	•Dolphin vessel monitoring; • Mudflat ecological monitoring.	Minimise marine traffic disturbance on dolphins	Contractor	North Lantau and West Lantau	Prior to construction, during construction, and 1 year after operation	√
Ecology (Operation Phase)							
S10.7	E10	•Preconstruction dive survey for corals	Minimise impacts on marine ecology	Contractor	The marine pier sites nearest to intertidal zone and along the shore of the HKLR eclamation site	Prior to marine construction works in these locations	√

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Fisheries							
S11.7	F2	• Reduce re-suspension of sediments • Good site practices • Spill response plan	Minimise marine water quality impacts	Contractor	Seawall, reclamation area	During construction	√
S11.7	F3	• Install silt-grease trap in the drainage system collecting surface runoff	Minimise impacts on marine water quality impacts	Designer	Reclamation area	During construction	√
S11.7	F4	• Maritime Oil Spill Response Plan (MOSRP); • Contingency plan.	Minimise impacts on marine water quality impacts	Management	HKLR	During operation stage	√
Landscape & Visual (Detailed Design Phase)							
S14.3.3.1	LV1	General design measures include: • Roadside planting and planting along the edge of the reclamation is proposed; • Transplanting of mature trees in good health and amenity value where appropriate and reinstatement of areas disturbed during construction by compensatory hydro-seeding and planting; • Protection measures for the trees to be retained during construction activities; • Optimizing the sizes and spacing of the bridge columns; • Fine-tuning the location of the bridge columns to avoid visually sensitive locations; • Aesthetic design of the bridge form and its structural elements for HKLR, e.g. parapet, soffit, columns, lightings and so on; Considering the decorative urban design elements for HKLR, e.g. decorative road lightings;	Minimise visual & landscape impact	Detailed designer	HKLR	Design stage	•

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		•Maximizing new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed; •Providing planting area around peripheral of HKLR for tree planting screening effect.					
S14.3.3.1	LV1	•Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline. •Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline. •For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and •reclamation (e.g. subtle colour tone and slim form for viaduct to minimize the bulkiness of the structure and to blend the viaduct better with the background environment, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment (refer to Figure 14.4.3).	Minimise visual & landscape impact	Detailed designer	HKLR	Design stage	-
Landscape & Visual (Construction Phase)							
S14.3.3.3	LV2	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. Vegetation reinstatement and upgrading to disturbed areas.	Minimise visual & landscape impact	Contractor	HKLR	Construction stage	√

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		G5. Maximize new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed. G6. Provide planting area around peripheral of and within HKLR for tree screening buffer effect. G7. Plant salt tolerant native tree and shrubs etc along the planterstrip at affected seawall. G8. Reserve of loose natural granite rocks for re-use. Provide new coastline to adopt .natural-look. by means of using armour rocks in the form of natural rock materials and planting strip area accommodating screen buffer to enhance .natural-look. of the new coastline (see Figure 14.4.2 for example).					
S14.3.3.3	LV3	Mitigate Visual Impacts V1.Minimize time for construction activities during construction period. V2.Provide screen hoarding at the portion of the project site / works areas / storage areas near VSRs who have close low-level views to the Project during HKLR construction.					√
EM&A							
S15.5-S15.6	EM2	1) An Environmental Team needs to be employed as per the EM&A Manual. 2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. 3) An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.	Perform environmental monitoring & auditing	Contractor	All construction sites	Construction stage	√

APPENDIX F

Site Audit Findings and Corrective Actions

Appendix F – Site Audit Findings and Corrective Actions

Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. During the reporting period, site inspections were carried out on 6, 14, 20 and 30 December 2017; and 3, 10, 17 and 26 January 2018; and 1, 7, 14 and 23 February 2018. Particular observations during the site inspections are described below:

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
28 Nov 2017	1. Silt curtain with gap was observed at Portion X. 2. Waste was observed at the depressed roundabout of N30. 3. Stagnant water was observed at the depressed roundabout of N30. 4. Oil stain was observed and drip tray was not provided for a generator at S16. 5. Drip tray was not provided for an oil drum at S16.	1. The silt curtain was maintained properly at Portion X. 2. The waste was removed from the depressed roundabout of N30. 3. The stagnant water was removed from the depressed roundabout of N30. 4. The generator was removed, and the oil stain was removed as chemical waste from S16. 5. The oil drum was removed from S16.	6 Dec 2017
6 Dec 2017	1. No drip tray was provided for chemical containers at depressed roundabout of N30. 2. Waste was observed at S15. 3. Mosquito issue was observed at plant room of S15. 4. Stagnant water was observed at S16. 5. Improper water discharge was observed at plant room of S15.	1. The chemical containers were removed from depressed roundabout of N30. 2. The waste was removed from S15. 3. Larvicide was applied at plant room of S15. 4. The stagnant water was removed from S16. 5. The improper water discharge was stopped and the blue hose was removed from plant room of S15.	14 Dec 2017
14 Dec 2017	1. Chemical containers were observed without drip trays at N26. 2. Oil drums were observed without drip tray at N26. 3. Mud was observed on paved road at HMA. 4. Oil stain was observed on the ground at WA4. 5. Concrete waste was accumulated in a skip and the skip was full at	1. The chemical containers were placed within a drip tray at N26. 2. The oil drums were removed at N26. 3. The mud was removed from paved road of HMA. 4. The oil stain was removed from WA4. 5. The concrete waste was removed from the skip at WA4. 6. The general waste was removed	20 Dec 2017

Date of Audit	**Observations**	**Actions Taken by Contractor / Recommendation**	**Date of Observations Closed**
	WA4. 6. General refuse was observed on the ground at West Portal.	from West Portal.	
20 Dec 2017	1. Mechanical cover of a dump truck was not cover during transportation at HMA. 2. Construction waste was found on the ground at S16. 3. Construction waste was observed on the ground at S25. 4. Oil stain was observed on the ground at S25. 5. Insufficient dust control measures for cement mixing was observed at S15.	1. The mechanical cover of the dump truck was closed during transportation of materials HMA. 2. The construction waste was removed from S16. 3. The construction waste was removed from S25. 4. The oil stain was removed on the ground from S25. 5. The cement mixing facility was removed at S15.	30 Dec 2017
30 Dec 2017	1. Drip tray was not provided for oil drum at Depressed Roundabout of S16. 2. Access road was appeared dry at N20A. 3. Wheel washing was observed insufficient at N30. 4. Drip tray was not provided for chemical containers at N30. 5. Wheel washing was observed insufficient at S16. 6. Stagnant water was observed at S16. 7. No water spraying on stockpile during excavation at S16. 8. Waste was observed at S16. 9. Waste was observed at S15. 10. Waste was observed at Depressed Roundabout of S16.	1. The oil drum was removed from Depressed Roundabout at S16. 2. Water spraying was provided to the access road at N20A. 3. Wheel washing facilities with high pressure water jet was provided to clean the vehicles before leaving the work area at N30. 4. The chemical containers were removed from N30. 5. Wheel washing facilities with high pressure water jet was provided to clean the of vehicles before leaving the work area at S16. 6. The stagnant water was removed at S16. 7. The stockpile was removed at S16. 8. The waste was cleared at S16. 9. The waste was removed at S15. 10. The waste was removed at Depressed Roundabout of S16.	3 Jan 2018
3 Jan 2018	1. Dust emission was observed during vehicles movement at N26. 2. Gap of silt curtains was observed at Portion X. 3. Construction waste was observed on the ground at N20. 4. Construction waste was observed	1. Water spraying was provided at the road of N26 to reduce dust emission. 2. The silt curtains were maintained at Portion X. 3. The construction waste was removed from N20. 4. The construction waste was	10 Jan 2018

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
	on the ground at S15. 5. Chemical drums were observed without drip tray at HAT.	removed from S15. 5. The chemical drums were removed from HAT.	
10 Jan 2018	1. Wastewater from the site was not controlled properly to prevent discharge entering into marine water at S7. 2. Construction waste was accumulated on the ground at S15. 3. Construction waste was observed at Plant room of S15. 4. Construction waste was accumulated on the ground at S9. 5. Chemical containers were observed without drip tray at S7.	1. Proper bunding were set up to prevent wastewater from the site entering into marine water at S7. 2. The construction waste at was removed from S15. 3. The construction waste was removed from Plant Room of S15. 4. The construction waste was removed from S9. 5. The chemical containers were removed from S7.	17Jan 2018
17 Jan 2018	1. Mud was observed on the paved haul road at N26. 2. Construction waste was observed at Plant Room of S15. 3. Construction waste was observed at HAT.	1. Mud was cleared on the paved haul road at N26. 2. The construction waste was removed from Plant Room of S15. 3. The construction waste was removed from HAT.	26 Jan 2018
26 Jan 2018	1. Waste was observed at HAT. 2. No drip tray was provided to chemical containers at HAT. 3. No drip tray was provided to chemical containers at S16. 4. Waste was observed at S16. 5. Stagnant water was observed inside the drip tray next to a generator at S16. 6. Abandoned cement bags was observed at S16.	1. The waste was removed from HAT. 2. The chemical containers were removed from HAT. 3. The chemical containers were removed from S16. 4. The waste was removed from S16. 5. The stagnant water was removed from the drip tray next to the generator at S16. 6. The abandoned cement bags were removed from S16	1 Feb 2018

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
1 Feb 2018	1. Gaps of silt curtains was observed at Portion X. 2. Chemical containers were observed without drip tray at HAT. 3. Construction waste was accumulated at HAT. 4. Abandoned chemical containers were observed without drip tray at HAT. 5. Chemical containers were observed without drip tray at S9.	1. The silt curtains were maintained at Portion X. 2. The chemical containers were removed from HAT. 3. The construction waste was removed from HAT. 4. The abandoned chemical containers were removed from HAT. 5. The chemical containers were removed from S9.	7 Feb 2018
7 Feb 2018	1. Haul Road was observed dry at S22. 2. Wheel washing facilities were observed insufficient at S7. 3. Chemicals inside the drip tray was observed full at S15. 4. Construction waste was observed on the ground at S15.	1. Water spraying was applied to the haul road at S22. 2. Wheel washing facilities with high pressure water jet was provided to clean the vehicles before leaving the work area at S7. 3. The chemicals inside the drip trays were cleared at S15. 4. The Construction waste was removed from S15.	14 Feb 2018
	5. Site runoff was not controlled properly to prevent discharge entering into marine water at S7.	5. The Contractor was reminded to take measures to prevent wastewater from the site entering into marine water at S7.	Follow-up actions for the observation will be inspected during the site inspection conducted in March 2018.
14 Feb 2018	1. A chemical container was found with drip tray at HAT. 2. Dust emission was observed during vehicle movement at S16. 3. Construction waste was observed at N1. 4. Oil stain was found on the ground at S9. 5. Construction waste was observed at HAT. 6. Construction waste was	1. The chemical waste container was removed from HAT. 2. Water Spraying was applied on the haul road at S16. 3. The construction waste was removed from N1. 4. The oil stain was cleared on the ground at S9. 5. The construction waste was removed from HAT. 6. The construction waste was	23 Feb 2018

Date of Audit	**Observations**	**Actions Taken by Contractor / Recommendation**	**Date of Observations Closed**
	observed at N1.	removed at N1.	
23 Feb 2018	1. No drip tray was provided for an oil drum at N30. 2. No drip tray was provided for oil drums at S16. 3. No drip tray was provided for chemical container at N30. 4. Gap of silt curtain was observed at Portion X.	The Contractor was recommended to: 1. provide drip tray for the oil drum at N30. 2. provide drip tray for the oil drums at S16. 3. provide drip tray for the chemical container at N30. 4. maintain the silt curtains properly at Portion X.	Follow-up actions for the observations issued for the last weekly site inspection of the reporting month will be inspected during the next site inspection.

The Contractor has rectified most the observations as identified during environmental site inspections. Follow-up actions for outstanding observations will be inspected during the next site inspection.

APPENDIX G

Air Quality Monitoring Data and Graphical Plots

Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2017-12-04	AMS5	09:00	1-hr TSP	44	ug/m^3
HKLR	HY/2011/03	2017-12-04	AMS5	10:00	1-hr TSP	50	ug/m^3
HKLR	HY/2011/03	2017-12-04	AMS5	11:00	1-hr TSP	51	ug/m^3
HKLR	HY/2011/03	2017-12-08	AMS5	09:00	1-hr TSP	58	ug/m^3
HKLR	HY/2011/03	2017-12-08	AMS5	10:00	1-hr TSP	57	ug/m^3
HKLR	HY/2011/03	2017-12-08	AMS5	11:00	1-hr TSP	60	ug/m^3
HKLR	HY/2011/03	2017-12-14	AMS5	09:00	1-hr TSP	13	ug/m^3
HKLR	HY/2011/03	2017-12-14	AMS5	10:00	1-hr TSP	15	ug/m^3
HKLR	HY/2011/03	2017-12-14	AMS5	11:00	1-hr TSP	19	ug/m^3
HKLR	HY/2011/03	2017-12-20	AMS5	09:00	1-hr TSP	35	ug/m^3
HKLR	HY/2011/03	2017-12-20	AMS5	10:00	1-hr TSP	37	ug/m^3
HKLR	HY/2011/03	2017-12-20	AMS5	11:00	1-hr TSP	33	ug/m^3
HKLR	HY/2011/03	2017-12-22	AMS5	09:00	1-hr TSP	32	ug/m^3
HKLR	HY/2011/03	2017-12-22	AMS5	10:00	1-hr TSP	36	ug/m^3
HKLR	HY/2011/03	2017-12-22	AMS5	11:00	1-hr TSP	29	ug/m^3
HKLR	HY/2011/03	2017-12-28	AMS5	09:00	1-hr TSP	29	ug/m^3
HKLR	HY/2011/03	2017-12-28	AMS5	10:00	1-hr TSP	31	ug/m^3
HKLR	HY/2011/03	2017-12-28	AMS5	11:00	1-hr TSP	34	ug/m^3
HKLR	HY/2011/03	2017-12-29	AMS5	09:00	1-hr TSP	95	ug/m^3
HKLR	HY/2011/03	2017-12-29	AMS5	10:00	1-hr TSP	56	ug/m^3
HKLR	HY/2011/03	2017-12-29	AMS5	11:00	1-hr TSP	48	ug/m^3
HKLR	HY/2011/03	2018-01-04	AMS5	13:20	1-hr TSP	18	ug/m^3
HKLR	HY/2011/03	2018-01-04	AMS5	14:20	1-hr TSP	18	ug/m^3
HKLR	HY/2011/03	2018-01-04	AMS5	15:20	1-hr TSP	18	ug/m^3
HKLR	HY/2011/03	2018-01-10	AMS5	09:00	1-hr TSP	17	ug/m^3
HKLR	HY/2011/03	2018-01-10	AMS5	10:00	1-hr TSP	17	ug/m^3
HKLR	HY/2011/03	2018-01-10	AMS5	11:00	1-hr TSP	16	ug/m^3
HKLR	HY/2011/03	2018-01-16	AMS5	09:00	1-hr TSP	53	ug/m^3
HKLR	HY/2011/03	2018-01-16	AMS5	10:00	1-hr TSP	48	ug/m^3
HKLR	HY/2011/03	2018-01-16	AMS5	11:00	1-hr TSP	54	ug/m^3
HKLR	HY/2011/03	2018-01-22	AMS5	09:00	1-hr TSP	349	ug/m^3
HKLR	HY/2011/03	2018-01-22	AMS5	10:00	1-hr TSP	398	ug/m^3
HKLR	HY/2011/03	2018-01-22	AMS5	11:00	1-hr TSP	391	ug/m^3
HKLR	HY/2011/03	2018-01-26	AMS5	09:00	1-hr TSP	65	ug/m^3
HKLR	HY/2011/03	2018-01-26	AMS5	10:00	1-hr TSP	88	ug/m^3
HKLR	HY/2011/03	2018-01-26	AMS5	11:00	1-hr TSP	69	ug/m^3
HKLR	HY/2011/03	2018-02-01	AMS5	09:00	1-hr TSP	55	ug/m^3
HKLR	HY/2011/03	2018-02-01	AMS5	10:00	1-hr TSP	59	ug/m^3
HKLR	HY/2011/03	2018-02-01	AMS5	11:00	1-hr TSP	60	ug/m^3
HKLR	HY/2011/03	2018-02-07	AMS5	08:50	1-hr TSP	40	ug/m^3
HKLR	HY/2011/03	2018-02-07	AMS5	09:50	1-hr TSP	45	ug/m^3
HKLR	HY/2011/03	2018-02-07	AMS5	10:50	1-hr TSP	40	ug/m^3
HKLR	HY/2011/03	2018-02-13	AMS5	09:00	1-hr TSP	59	ug/m^3
HKLR	HY/2011/03	2018-02-13	AMS5	10:00	1-hr TSP	64	ug/m^3
HKLR	HY/2011/03	2018-02-13	AMS5	11:00	1-hr TSP	54	ug/m^3
HKLR	HY/2011/03	2018-02-14	AMS5	08:30	1-hr TSP	23	ug/m^3
HKLR	HY/2011/03	2018-02-14	AMS5	09:30	1-hr TSP	28	ug/m^3
HKLR	HY/2011/03	2018-02-14	AMS5	10:30	1-hr TSP	34	ug/m^3
HKLR	HY/2011/03	2018-02-20	AMS5	09:00	1-hr TSP	68	ug/m^3
HKLR	HY/2011/03	2018-02-20	AMS5	10:00	1-hr TSP	76	ug/m^3
HKLR	HY/2011/03	2018-02-20	AMS5	11:00	1-hr TSP	79	ug/m^3
HKLR	HY/2011/03	2018-02-26	AMS5	09:00	1-hr TSP	24	ug/m^3
HKLR	HY/2011/03	2018-02-26	AMS5	10:00	1-hr TSP	38	ug/m^3
HKLR	HY/2011/03	2018-02-26	AMS5	11:00	1-hr TSP	39	ug/m^3
HKLR	HY/2011/03	2017-12-01	AMS5	08:00	24-hr TSP	56	ug/m^3
HKLR	HY/2011/03	2017-12-07	AMS5	08:00	24-hr TSP	108	ug/m^3
HKLR	HY/2011/03	2017-12-13	AMS5	08:00	24-hr TSP	43	ug/m^3
HKLR	HY/2011/03	2017-12-19	AMS5	08:00	24-hr TSP	113	ug/m^3
HKLR	HY/2011/03	2017-12-23	AMS5	08:00	24-hr TSP	139	ug/m^3

Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2017-12-29	AMS5	08:00	24-hr TSP	67	ug/m^{3}
HKLR	HY/2011/03	2018-01-03	AMS5	08:00	24-hr TSP	46	ug/m^{3}
HKLR	HY/2011/03	2018-01-09	AMS5	08:00	24-hr TSP	57	ug/m^{3}
HKLR	HY/2011/03	2018-01-15	AMS5	08:00	24-hr TSP	67	ug/m^{3}
HKLR	HY/2011/03	2018-01-19	AMS5	08:00	24-hr TSP	57	ug/m^{3}
HKLR	HY/2011/03	2018-01-25	AMS5	08:00	24-hr TSP	52	ug/m^{3}
HKLR	HY/2011/03	2018-01-31	AMS5	08:00	24-hr TSP	44	ug/m^{3}
HKLR	HY/2011/03	2018-02-06	AMS5	08:00	24-hr TSP	85	ug/m^{3}
HKLR	HY/2011/03	2018-02-12	AMS5	08:00	24-hr TSP	80	ug/m^{3}
HKLR	HY/2011/03	2018-02-15	AMS5	08:00	24-hr TSP	73	ug/m^{3}
HKLR	HY/2011/03	2018-02-20	AMS5	12:00	24-hr TSP	58	ug/m^{3}
HKLR	HY/2011/03	2018-02-23	AMS5	08:00	24-hr TSP	36	ug/m^{3}
HKLR	HY/2011/03	2017-12-04	AMS6	13:00	1-hr TSP	77	ug/m^{3}
HKLR	HY/2011/03	2017-12-04	AMS6	14:00	1-hr TSP	82	ug/m^{3}
HKLR	HY/2011/03	2017-12-04	AMS6	15:00	1-hr TSP	76	ug/m^{3}
HKLR	HY/2011/03	2017-12-08	AMS6	13:00	1-hr TSP	65	ug/m^{3}
HKLR	HY/2011/03	2017-12-08	AMS6	14:00	1-hr TSP	50	ug/m^{3}
HKLR	HY/2011/03	2017-12-08	AMS6	15:00	1-hr TSP	52	ug/m^{3}
HKLR	HY/2011/03	2017-12-14	AMS6	13:00	1-hr TSP	60	ug/m^{3}
HKLR	HY/2011/03	2017-12-14	AMS6	14:00	1-hr TSP	32	ug/m^{3}
HKLR	HY/2011/03	2017-12-14	AMS6	15:00	1-hr TSP	17	ug/m^{3}
HKLR	HY/2011/03	2017-12-20	AMS6	13:00	1-hr TSP	47	ug/m^{3}
HKLR	HY/2011/03	2017-12-20	AMS6	14:00	1-hr TSP	46	ug/m^{3}
HKLR	HY/2011/03	2017-12-20	AMS6	15:00	1-hr TSP	44	ug/m^{3}
HKLR	HY/2011/03	2017-12-22	AMS6	13:00	1-hr TSP	46	ug/m^{3}
HKLR	HY/2011/03	2017-12-22	AMS6	14:00	1-hr TSP	62	ug/m^{3}
HKLR	HY/2011/03	2017-12-22	AMS6	15:00	1-hr TSP	69	ug/m^{3}
HKLR	HY/2011/03	2017-12-28	AMS6	13:00	1-hr TSP	47	ug/m^{3}
HKLR	HY/2011/03	2017-12-28	AMS6	14:00	1-hr TSP	49	ug/m^{3}
HKLR	HY/2011/03	2017-12-28	AMS6	15:00	1-hr TSP	46	ug/m^{3}
HKLR	HY/2011/03	2017-12-29	AMS6	13:00	1-hr TSP	100	ug/m^{3}
HKLR	HY/2011/03	2017-12-29	AMS6	14:00	1-hr TSP	81	ug/m^{3}
HKLR	HY/2011/03	2017-12-29	AMS6	15:00	1-hr TSP	31	ug/m^{3}
HKLR	HY/2011/03	2018-01-04	AMS6	09:10	1-hr TSP	26	ug/m^{3}
HKLR	HY/2011/03	2018-01-04	AMS6	10:10	1-hr TSP	26	ug/m^{3}
HKLR	HY/2011/03	2018-01-04	AMS6	11:10	1-hr TSP	24	ug/m^{3}
HKLR	HY/2011/03	2018-01-10	AMS6	13:00	1-hr TSP	15	ug/m^{3}
HKLR	HY/2011/03	2018-01-10	AMS6	14:00	1-hr TSP	16	ug/m^{3}
HKLR	HY/2011/03	2018-01-10	AMS6	15:00	1-hr TSP	23	ug/m^{3}
HKLR	HY/2011/03	2018-01-16	AMS6	13:00	1-hr TSP	58	ug/m^{3}
HKLR	HY/2011/03	2018-01-16	AMS6	14:00	1-hr TSP	50	ug/m^{3}
HKLR	HY/2011/03	2018-01-16	AMS6	15:00	1-hr TSP	22	ug/m^{3}
HKLR	HY/2011/03	2018-01-22	AMS6	13:00	1-hr TSP	386	ug/m^{3}
HKLR	HY/2011/03	2018-01-22	AMS6	14:00	1-hr TSP	400	ug/m^{3}
HKLR	HY/2011/03	2018-01-22	AMS6	15:00	1-hr TSP	412	ug/m^{3}
HKLR	HY/2011/03	2018-01-26	AMS6	13:00	1-hr TSP	83	ug/m^{3}
HKLR	HY/2011/03	2018-01-26	AMS6	14:00	1-hr TSP	115	ug/m^{3}
HKLR	HY/2011/03	2018-01-26	AMS6	15:00	1-hr TSP	104	ug/m^{3}
HKLR	HY/2011/03	2018-02-01	AMS6	13:00	1-hr TSP	72	ug/m^{3}
HKLR	HY/2011/03	2018-02-01	AMS6	14:00	1-hr TSP	74	ug/m^{3}
HKLR	HY/2011/03	2018-02-01	AMS6	15:00	1-hr TSP	76	ug/m^{3}
HKLR	HY/2011/03	2018-02-07	AMS6	13:15	1-hr TSP	45	ug/m^{3}
HKLR	HY/2011/03	2018-02-07	AMS6	14:15	1-hr TSP	41	ug/m^{3}
HKLR	HY/2011/03	2018-02-07	AMS6	15:15	1-hr TSP	37	ug/m^{3}
HKLR	HY/2011/03	2018-02-13	AMS6	13:00	1-hr TSP	50	ug/m^{3}
HKLR	HY/2011/03	2018-02-13	AMS6	14:00	1-hr TSP	49	ug/m^{3}
HKLR	HY/2011/03	2018-02-13	AMS6	15:00	1-hr TSP	49	ug/m^{3}
HKLR	HY/2011/03	2018-02-14	AMS6	12:55	1-hr TSP	36	ug/m^{3}
HKLR	HY/2011/03	2018-02-14	AMS6	13:55	1-hr TSP	35	ug/m^{3}

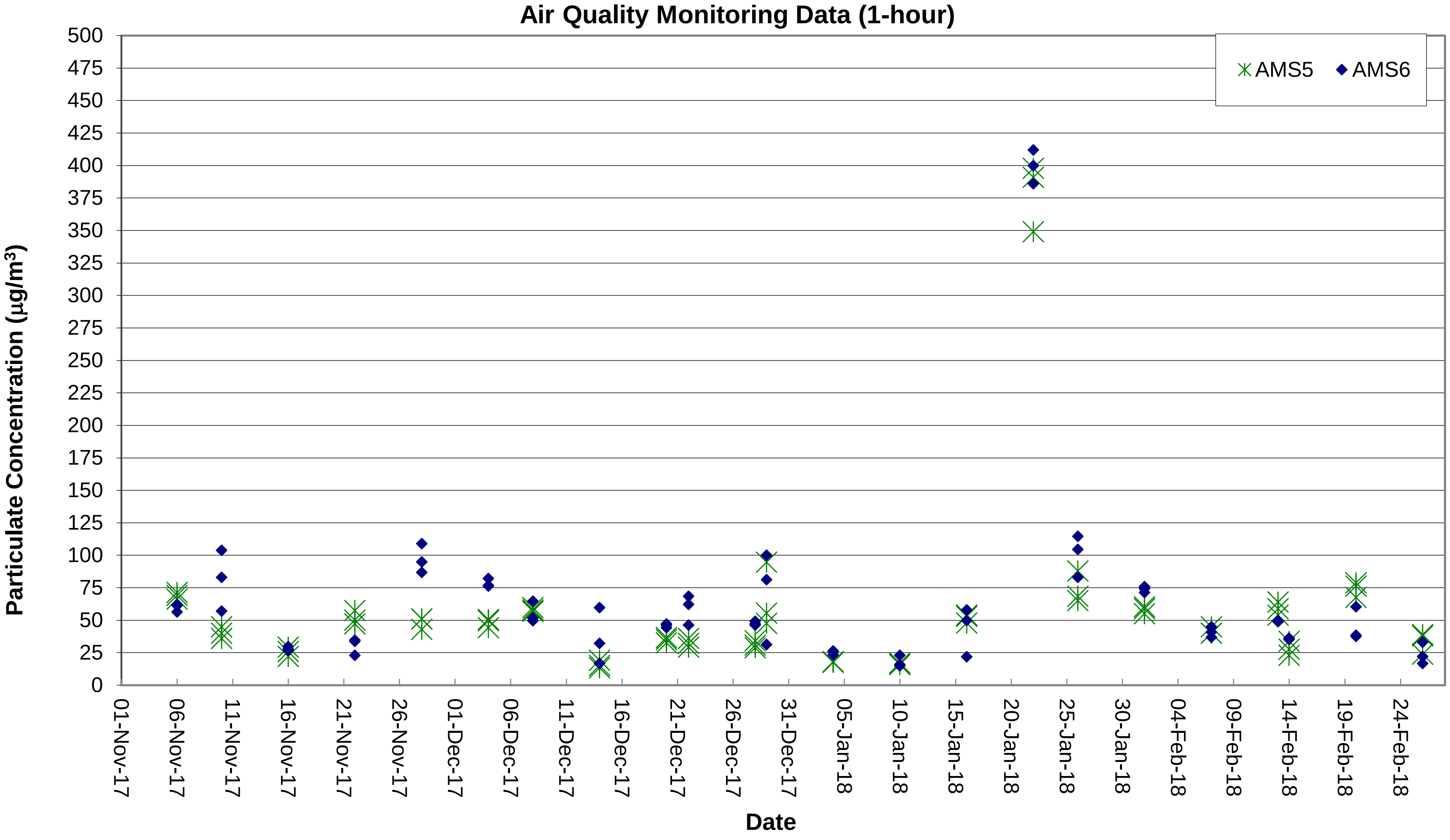
Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2018-02-14	AMS6	14:55	1-hr TSP	35	ug/m^3
HKLR	HY/2011/03	2018-02-20	AMS6	13:00	1-hr TSP	38	ug/m^3
HKLR	HY/2011/03	2018-02-20	AMS6	14:00	1-hr TSP	60	ug/m^3
HKLR	HY/2011/03	2018-02-20	AMS6	15:00	1-hr TSP	39	ug/m^3
HKLR	HY/2011/03	2018-02-26	AMS6	13:00	1-hr TSP	17	ug/m^3
HKLR	HY/2011/03	2018-02-26	AMS6	14:00	1-hr TSP	22	ug/m^3
HKLR	HY/2011/03	2018-02-26	AMS6	15:00	1-hr TSP	33	ug/m^3
HKLR	HY/2011/03	2017-12-01	AMS6	08:00	24-hr TSP	89	ug/m^3
HKLR	HY/2011/03	2017-12-07	AMS6	08:00	24-hr TSP	157	ug/m^3
HKLR	HY/2011/03	2017-12-13	AMS6	08:00	24-hr TSP	109	ug/m^3
HKLR	HY/2011/03	2017-12-19	AMS6	08:00	24-hr TSP	251	ug/m^3
HKLR	HY/2011/03	2017-12-23	AMS6	08:00	24-hr TSP	253	ug/m^3
HKLR	HY/2011/03	2018-01-04 (See Remark 1)	AMS6	12:33	24-hr TSP	81	ug/m^3
HKLR	HY/2011/03	2018-01-09	AMS6	08:00	24-hr TSP	62	ug/m^3
HKLR	HY/2011/03	2018-01-15	AMS6	08:00	24-hr TSP	100	ug/m^3
HKLR	HY/2011/03	2018-01-19	AMS6	08:00	24-hr TSP	65	ug/m^3
HKLR	HY/2011/03	2018-01-25	AMS6	08:00	24-hr TSP	89	ug/m^3
HKLR	HY/2011/03	2018-01-31	AMS6	08:00	24-hr TSP	62	ug/m^3
HKLR	HY/2011/03	2018-02-06	AMS6	08:00	24-hr TSP	132	ug/m^3
HKLR	HY/2011/03	2018-02-12	AMS6	08:00	24-hr TSP	138	ug/m^3
HKLR	HY/2011/03	2018-02-15	AMS6	08:00	24-hr TSP	96	ug/m^3
HKLR	HY/2011/03	2018-02-20	AMS6	16:00	24-hr TSP	61	ug/m^3
HKLR	HY/2011/03	2018-02-23	AMS6	08:00	24-hr TSP	44	ug/m^3

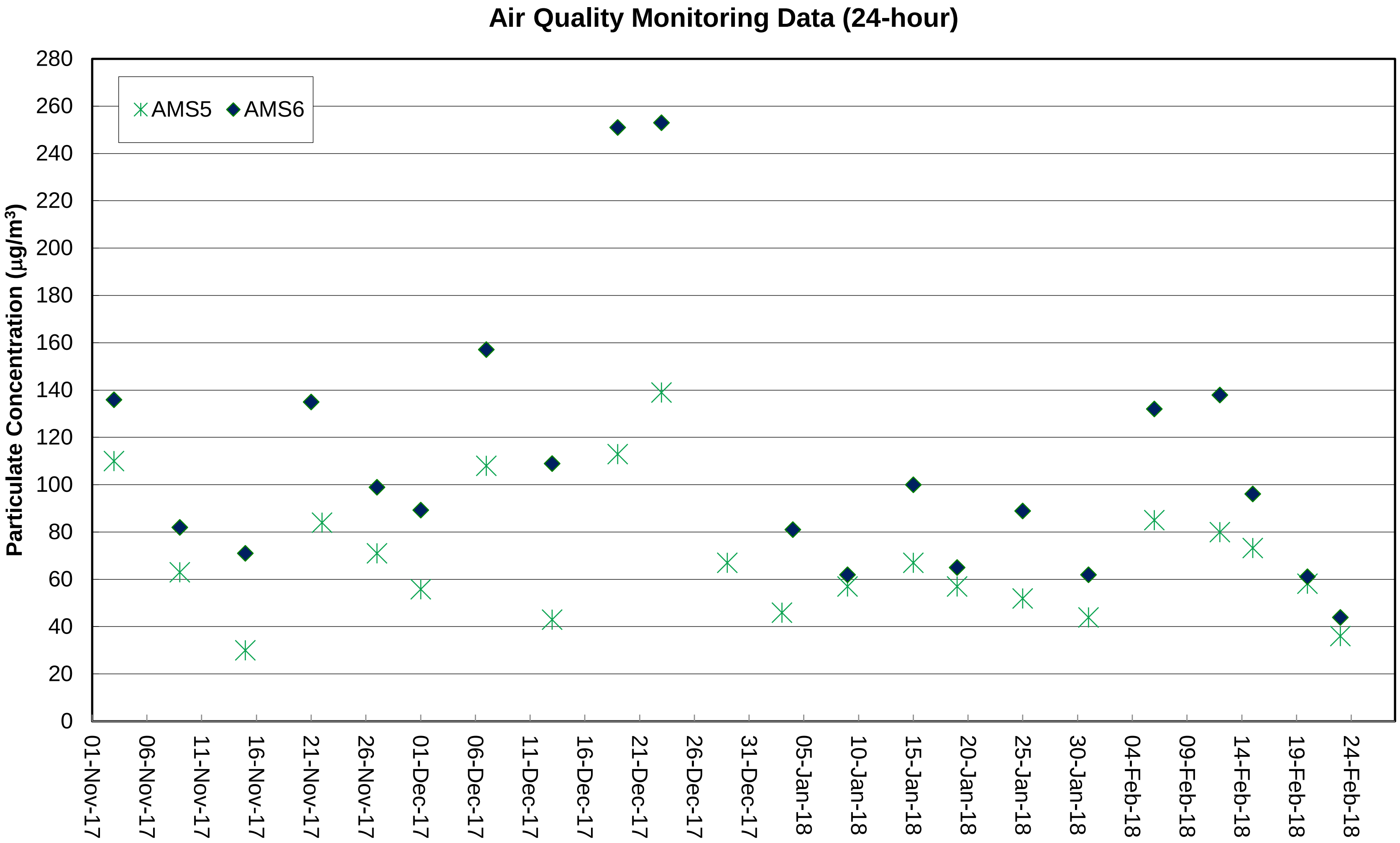
Remarks:

1) Due to power failure and malfunction of HVS from 29 December 2017 to 3 January 2018, 24-hr TSP monitoring could not be conducted at such period. Competent people were arranged to check the power supply and repair HVS on 3 and 4 January 2018 respectively. 24-hr TSP monitoring at AMS6 was resumed on 4 January 2018.

Graphical Plot of 1-hour TSP at AMS5 and AMS6



Graphical Plot of 24-hour TSP at AMS5 and AMS6



Remarks:

1) Due to power interruption of the High Volume Sampler, the 24-hr TSP monitoring on 21 November 2017 at Ma Wan Chung Village (AMS5) was rescheduled to 22 November 2017.

2) Due to power failure and malfunction of HVS from 29 December 2017 to 3 January 2018, 24-hr TSP monitoring could not be conducted at such period (i.e. 29 December 2017 and 3 January 2018). Competent people were arranged to check the power supply and

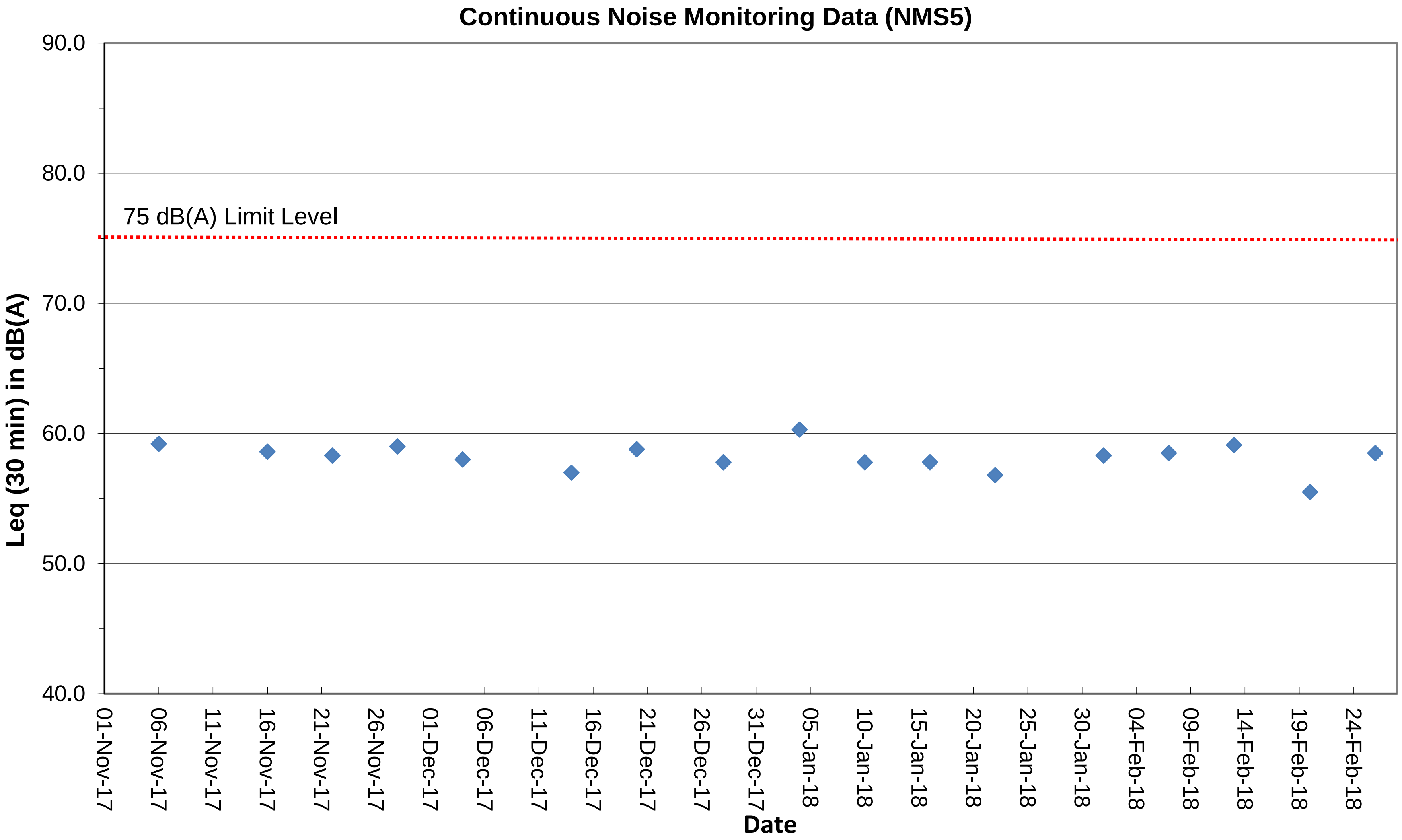
APPENDIX H

Noise Monitoring Data and Graphical Plots

Project	Works	Date (yyyy-mm-dd)	Station	Start Time	Wind Speed, m/s	1st set 5mins		2nd set 5mins		3rd set 5mins		4th set 5mins		5th set 5mins		6th set 5mins		Overall (30mins)*		Unit
HKLR	HY/2011/03	2017-12-04	NMS5	08:59	<5	Leq:	53.8	Leq:	55.6	Leq:	55.6	Leq:	54.4	Leq:	54.7	Leq:	55.7	Leq:	58.0	dB(A)
						L10:	56.0	L10:	59.0	L10:	57.5	L10:	57.5	L10:	57.0	L10:	57.0	L10:	60.4	
						L90:	49.5	L90:	51.0	L90:	50.0	L90:	49.5	L90:	51.5	L90:	52.0	L90:	53.7	
HKLR	HY/2011/03	2017-12-14	NMS5	09:14	<5	Leq:	53.1	Leq:	55.0	Leq:	52.9	Leq:	55.4	Leq:	53.6	Leq:	53.6	Leq:	57.0	dB(A)
						L10:	55.0	L10:	58.0	L10:	55.0	L10:	58.0	L10:	56.0	L10:	56.5	L10:	59.6	
						L90:	49.5	L90:	49.5	L90:	49.0	L90:	50.5	L90:	50.0	L90:	49.5	L90:	52.7	
HKLR	HY/2011/03	2017-12-20	NMS5	09:03	<5	Leq:	56.1	Leq:	57.1	Leq:	54.8	Leq:	54.3	Leq:	56.8	Leq:	55.0	Leq:	58.8	dB(A)
						L10:	59.0	L10:	60.5	L10:	57.5	L10:	56.0	L10:	60.0	L10:	56.5	L10:	61.6	
						L90:	51.5	L90:	51.0	L90:	51.5	L90:	51.0	L90:	52.0	L90:	52.0	L90:	54.5	
HKLR	HY/2011/03	2017-12-28	NMS5	09:09	<5	Leq:	54.9	Leq:	54.9	Leq:	53.5	Leq:	55.6	Leq:	55.2	Leq:	54.5	Leq:	57.8	dB(A)
						L10:	58.0	L10:	57.5	L10:	56.0	L10:	58.5	L10:	58.5	L10:	58.0	L10:	60.8	
						L90:	49.0	L90:	50.0	L90:	49.0	L90:	50.0	L90:	50.0	L90:	49.5	L90:	52.6	
HKLR	HY/2011/03	2018-01-04	NMS5	13:31	<5	Leq:	54.2	Leq:	57.2	Leq:	61.0	Leq:	54.7	Leq:	57.7	Leq:	54.7	Leq:	60.3	dB(A)
						L10:	56.5	L10:	60.5	L10:	65.0	L10:	57.0	L10:	60.5	L10:	57.5	L10:	63.6	
						L90:	50.0	L90:	51.5	L90:	52.5	L90:	50.0	L90:	51.5	L90:	50.0	L90:	54.0	
HKLR	HY/2011/03	2018-01-10	NMS5	09:25	<5	Leq:	55.8	Leq:	55.7	Leq:	53.7	Leq:	54.9	Leq:	53.8	Leq:	54.5	Leq:	57.8	dB(A)
						L10:	57.5	L10:	58.0	L10:	56.0	L10:	57.5	L10:	56.0	L10:	57.0	L10:	60.1	
						L90:	52.0	L90:	52.0	L90:	50.5	L90:	50.5	L90:	50.0	L90:	50.5	L90:	54.0	
HKLR	HY/2011/03	2018-01-16	NMS5	09:08	<5	Leq:	54.3	Leq:	52.9	Leq:	54.0	Leq:	58.1	Leq:	53.7	Leq:	53.1	Leq:	57.8	dB(A)
						L10:	56.0	L10:	54.5	L10:	56.0	L10:	62.0	L10:	55.0	L10:	54.5	L10:	60.4	
						L90:	50.5	L90:	50.5	L90:	51.0	L90:	52.0	L90:	51.5	L90:	50.5	L90:	54.0	
HKLR	HY/2011/03	2018-01-22	NMS5	09:10	<5	Leq:	51.1	Leq:	53.6	Leq:	53.3	Leq:	55.2	Leq:	53.8	Leq:	54.7	Leq:	56.8	dB(A)
						L10:	52.5	L10:	54.5	L10:	55.0	L10:	57.0	L10:	55.5	L10:	55.5	L10:	58.2	
						L90:	48.5	L90:	48.5	L90:	50.5	L90:	50.5	L90:	51.5	L90:	51.5	L90:	53.3	
HKLR	HY/2011/03	2018-02-01	NMS5	09:15	<5	Leq:	54.9	Leq:	55.8	Leq:	55.3	Leq:	55.7	Leq:	55.0	Leq:	55.3	Leq:	58.3	dB(A)
						L10:	56.5	L10:	57.5	L10:	57.0	L10:	58.0	L10:	57.5	L10:	57.0	L10:	60.3	
						L90:	52.5	L90:	52.5	L90:	53.0	L90:	52.0	L90:	52.5	L90:	53.0	L90:	55.6	
HKLR	HY/2011/03	2018-02-07	NMS5	09:13	<5	Leq:	56.2	Leq:	55.5	Leq:	54.9	Leq:	55.7	Leq:	55.4	Leq:	55.2	Leq:	58.5	dB(A)
						L10:	60.0	L10:	58.0	L10:	57.0	L10:	58.5	L10:	57.5	L10:	57.5	L10:	61.2	
						L90:	50.5	L90:	51.5	L90:	51.0	L90:	52.0	L90:	51.5	L90:	52.0	L90:	54.4	
HKLR	HY/2011/03	2018-02-13	NMS5	09:30	<5	Leq:	55.7	Leq:	59.8	Leq:	54.8	Leq:	53.3	Leq:	54.8	Leq:	55.1	Leq:	59.1	dB(A)
						L10:	58.5	L10:	62.5	L10:	57.0	L10:	55.0	L10:	58.0	L10:	57.5	L10:	61.7	
						L90:	51.0	L90:	51.5	L90:	51.5	L90:	50.5	L90:	50.0	L90:	51.0	L90:	53.9	
HKLR	HY/2011/03	2018-02-20	NMS5	09:56	<5	Leq:	54.8	Leq:	52.1	Leq:	52.0	Leq:	52.0	Leq:	52.0	Leq:	51.3	Leq:	55.5	dB(A)
						L10:	58.5	L10:	54.0	L10:	53.0	L10:	53.5	L10:	53.5	L10:	52.5	L10:	57.7	
						L90:	49.0	L90:	48.5	L90:	49.0	L90:	48.5	L90:	49.5	L90:	48.5	L90:	51.8	
HKLR	HY/2011/03	2018-02-26	NMS5	09:13	<5	Leq:	54.4	Leq:	56.6	Leq:	54.1	Leq:	53.5	Leq:	57.3	Leq:	55.8	Leq:	58.5	dB(A)
						L10:	57.5	L10:	60.0	L10:	56.5	L10:	56.0	L10:	61.5	L10:	59.0	L10:	61.9	
						L90:	48.0	L90:	49.0	L90:	50.0	L90:	49.5	L90:	49.0	L90:	50.0	L90:	52.3	

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

Graphical Plot of Noise Levels at NMS5



Remark:

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

APPENDIX I

Water Quality Monitoring Data and Graphical Plots

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	2017-12-01	Mid-Ebb	Fine	IS5	11:04	1.0	Surface	1	1	22.63	8.04	30.02	99.6	7.25	6.0	5.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS5	11:04	1.0	Surface	1	2	22.61	8.04	30.17	95.6	6.94	6.0	6.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS5	11:03	4.3	Middle	2	1	22.58	8.04	30.00	97.8	7.11	6.3	5.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS5	11:04	4.3	Middle	2	2	22.59	8.04	30.16	95.1	6.91	6.1	5.9
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS5	11:03	7.5	Bottom	3	1	22.58	8.04	29.88	96.9	7.04	6.2	6.8
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS5	11:04	7.5	Bottom	3	2	22.60	8.04	30.10	94.9	6.89	6.1	5.3
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS(Mf)6	10:55	1.0	Surface	1	1	22.70	8.04	30.06	98.5	7.14	6.8	5.2
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS(Mf)6	10:55	1.0	Surface	1	2	22.68	8.03	30.00	101.4	7.37	6.6	5.8
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS(Mf)6	10:54	2.3	Bottom	3	1	22.63	8.04	29.96	99.5	7.22	7.1	6.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS(Mf)6	10:55	2.3	Bottom	3	2	22.69	8.03	30.03	97.5	7.07	7.1	5.5
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS7	10:46	1.0	Surface	1	1	22.51	8.04	30.01	98.5	7.17	6.7	5.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS7	10:46	1.0	Surface	1	2	22.51	8.04	29.95	101.4	7.39	6.4	5.3
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS7	10:45	2.2	Bottom	3	1	22.47	8.04	29.92	99.2	7.23	7.3	5.9
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS7	10:46	2.2	Bottom	3	2	22.50	8.04	30.00	97.7	7.11	7.0	5.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS8	10:18	1.0	Surface	1	1	22.32	8.07	29.83	101.1	7.40	10.5	4.9
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS8	10:19	1.0	Surface	1	2	22.32	8.07	29.89	97.5	7.13	10.8	5.4
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS8	10:18	3.0	Bottom	3	1	22.29	8.06	29.79	98.6	7.21	10.7	5.4
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS8	10:18	3.0	Bottom	3	2	22.30	8.07	29.90	96.8	7.08	10.3	5.4
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS(Mf)9	10:36	1.0	Surface	1	1	22.41	8.07	29.75	103.1	7.54	6.6	7.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS(Mf)9	10:37	1.0	Surface	1	2	22.41	8.06	29.87	99.4	7.26	6.8	7.1
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS(Mf)9	10:37	2.5	Bottom	3	1	22.41	8.06	29.84	98.5	7.19	6.9	8.2
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS(Mf)9	10:36	2.5	Bottom	3	2	22.35	8.08	29.68	100.9	7.37	7.0	8.3
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS10(N)	10:46	1.0	Surface	1	1	22.36	8.18	32.61	100.5	7.23	3.3	4.3
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS10(N)	10:46	1.0	Surface	1	2	22.36	8.14	32.61	99.3	7.14	3.2	3.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS10(N)	10:46	5.3	Middle	2	1	22.35	8.17	32.63	98.9	7.11	3.5	6.7
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS10(N)	10:45	5.3	Middle	2	2	22.36	8.13	32.62	98.2	7.06	3.6	5.3
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS10(N)	10:46	9.6	Bottom	3	1	22.36	8.16	32.64	97.7	7.02	3.7	8.5
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	IS10(N)	10:45	9.6	Bottom	3	2	22.35	8.12	32.64	97.6	7.02	3.8	7.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR3(N)	11:14	1.0	Surface	1	1	22.71	8.03	30.14	99.3	7.20	6.2	4.5
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR3(N)	11:14	1.0	Surface	1	2	22.70	8.04	30.17	97.1	7.04	6.1	5.8
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR3(N)	11:13	2.5	Bottom	3	1	22.67	8.03	30.14	97.7	7.08	6.3	6.8
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR3(N)	11:14	2.5	Bottom	3	2	22.70	8.04	30.16	96.4	6.99	6.0	6.7
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR4(N)	10:25	1.0	Surface	1	1	22.34	8.05	29.78	99.9	7.31	4.9	6.4
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR4(N)	10:25	1.0	Surface	1	2	22.34	8.05	29.83	95.9	7.01	4.9	6.2
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR4(N)	10:25	2.6	Bottom	3	1	22.32	8.05	29.80	97.5	7.13	5.3	6.1
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR4(N)	10:25	2.6	Bottom	3	2	22.34	8.05	29.84	94.9	6.94	5.1	5.3
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR5(N)	10:55	1.0	Surface	1	1	22.36	8.11	32.61	97.1	6.98	2.1	4.5
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR5(N)	10:55	1.0	Surface	1	2	22.37	8.12	32.61	97.3	6.99	2.2	5.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR5(N)	10:55	4.2	Middle	2	1	22.36	8.12	32.61	97.0	6.98	2.4	6.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR5(N)	10:55	4.2	Middle	2	2	22.36	8.09	32.61	96.8	6.96	2.2	5.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR5(N)	10:54	7.3	Bottom	3	1	22.36	8.13	32.62	96.6	6.95	2.5	6.2
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR5(N)	10:55	7.3	Bottom	3	2	22.36	8.11	32.62	96.8	6.96	2.6	5.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10A(N)	9:47	1.0	Surface	1	1	22.46	8.17	33.10	92.0	6.58	1.3	6.2
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10A(N)	9:47	1.0	Surface	1	2	22.46	8.12	33.10	91.5	6.55	1.4	5.8
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10A(N)	9:47	6.9	Middle	2	1	22.46	8.16	33.10	91.2	6.52	1.7	6.9
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10A(N)	9:47	6.9	Middle	2	2	22.46	8.18	33.10	90.7	6.49	1.6	5.7
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10A(N)	9:47	12.8	Bottom	3	1	22.46	8.14	33.10	90.4	6.47	1.8	5.5
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10A(N)	9:46	12.8	Bottom	3	2	22.46	8.18	33.10	90.3	6.46	1.9	5.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10B(N2)	9:36	1.0	Surface	1	1	22.46	8.17	33.10	97.1	6.91	1.2	4.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10B(N2)	9:36	1.0	Surface	1	2	22.45	8.14	33.08	97.4	6.97	1.3	4.8
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10B(N2)	9:35	3.9	Middle	2	1	22.46	8.18	33.08	95.7	6.85	1.4	4.9
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10B(N2)	9:36	3.9	Middle	2	2	22.46	8.16	33.10	95.3	6.86	1.6	5.4
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10B(N2)	9:35	6.8	Bottom	3	1	22.45	8.17	33.06	94.5	6.76	1.9	7.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	SR10B(N2)	9:36	6.8	Bottom	3	2	22.46	8.11	33.09	94.8	6.73	1.8	8.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS2(A)	11:51	1.0	Surface	1	1	22.36	8.20	32.94	99.4	7.13	7.3	8.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS2(A)	11:51	1.0	Surface	1	2	22.38	8.21	32.88	99.6	7.14	7.4	7.9
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS2(A)	11:50	3.8	Middle	2	1	22.32	8.20	32.94	99.3	7.13	7.5	8.5
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS2(A)	11:51	3.8	Middle	2	2	22.34	8.20	32.94	99.4	7.13	7.6	9.3
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS2(A)	11:51	6.5	Bottom	3	1	22.35	8.20	32.91	99.1	7.11	7.8	10.1
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS2(A)	11:50	6.5	Bottom	3	2	22.29	8.20	32.92	99.0	7.11	7.9	9.6
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS(Mf)5	9:52	1.0	Surface	1	1	22.49	7.89	31.21	91.4	6.58	3.8	3.4
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS(Mf)5	9:53	1.0	Surface	1	2	22.50	7.94	30.72	87.3	6.32	3.9	4.8
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS(Mf)5	9:53	6.2	Middle	2	1	22.50	7.93	30.87	87.1	6.31	4.7	5.5
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS(Mf)5	9:52	6.2	Middle	2	2	22.50	7.86	31.60	89.7	6.47	4.7	4.0
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS(Mf)5	9:52	11.4	Bottom	3	1	22.50	7.92	30.99	87.0	6.31	4.8	6.9
HKLR	HY/2011/03	2017-12-01	Mid-Ebb	Fine	CS(Mf)5	9:52	11.4	Bottom	3	2	22.50	7.81	31.95	88.7	6.41	4.8	5.9
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS5	15:39	1.0	Surface	1	1	22.88	8.10	29.26	96.9	7.04	5.3	6.2
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS5	15:40	1.0	Surface	1	2	22.95	8.10	29.31	97.0	7.04	5.1	4.7
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS5	15:40	4.4	Middle	2	1	22.90	8.10	29.41	96.9	7.04	6.1	5.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS5	15:39	4.4	Middle	2	2	22.84	8.10	29.38	96.6	7.01	6.1	6.0
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS5	15:39	7.8	Bottom	3	1	22.85	8.10	29.42	96.5	7.00	6.4	7.4
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS5	15:39	7.8	Bottom	3	2	22.80	8.10	29.44	96.5	7.01	6.5	8.0
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS(Mf)6	15:49	1.0	Surface	1	1	23.02	8.11	29.15	98.9	7.18	8.5	7.1
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS(Mf)6	15:49	1.0	Surface	1	2	22.95	8.11	29.10	99.9	7.26	8.2	7.0
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS(Mf)6	15:48	2.3	Bottom	3	1	22.87	8.11	29.10	99.2	7.20	8.5	13.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS(Mf)6	15:49	2.3	Bottom	3	2	22.89	8.11	29.15	98.9	7.17	8.6	11.7
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS7	15:58	1.0	Surface	1	1	22.91	8.10	29.26	97.9	7.12	6.8	6.5
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS7	15:58	1.0	Surface	1	2	22.85	8.09	29.26	99.9	7.27	6.8	6.4
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS7	15:58	2.3	Bottom	3	1	22.80	8.09	29.30	97.6	7.09	6.9	11.4
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS7	15:57	2.3	Bottom	3	2	22.75	8.10	29.29	98.9	7.19	6.8	10.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS8	16:26	1.0	Surface	1	1	22.59	8.15	29.38	97.3	7.09	9.2	13.2
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS8	16:25	1.0	Surface	1	2	22.59	8.15	29.33	99.3	7.25	8.9	12.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS8	16:26	3.2	Bottom	3	1	22.59	8.15	29.44	97.1	7.08	8.8	11.8
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS8	16:25	3.2	Bottom	3	2	22.59	8.15	29.31	98.2	7.17	8.8	11.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS(Mf)9	16:07	1.0	Surface	1	1	22.70	8.10	29.25	99.9	7.28	10.8	10.5
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS(Mf)9	16:07	1.0	Surface	1	2	22.71	8.10	29.31	98.3	7.16	10.5	11.1
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS(Mf)9	16:07	2.8	Bottom	3	1	22.70	8.10	29.32	98.0	7.14	10.7	10.4
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS(Mf)9	16:06	2.8	Bottom	3	2	22.69	8.10	29.24	99.2	7.22	10.6	10.8
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS10(N)	16:14	1.0	Surface	1	1	22.55	8.17	32.37	99.0	7.11	5.3	2.7
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS10(N)	16:14	1.0	Surface	1	2	22.41	8.17	32.52	100.2	7.19	5.4	4.0
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS10(N)	16:14	5.4	Middle	2	1	22.43	8.17	32.50	98.5	7.07	5.5	5.1
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS10(N)	16:14	5.4	Middle	2	2	22.41	8.17	32.53	98.8	7.09	5.6	4.5
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS10(N)	16:14	9.7	Bottom	3	1	22.47	8.17	32.47	97.6	7.01	5.7	5.2
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	IS10(N)	16:14	9.7	Bottom	3	2	22.57	8.17	32.37	97.9	7.03	5.9	4.9
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR3(N)	15:29	1.0	Surface	1	1	22.88	8.14	27.97	97.4	7.13	6.3	5.7
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR3(N)	15:29	1.0	Surface	1	2	22.89	8.16	27.78	97.8	7.18	6.0	5.0
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR3(N)	15:29	2.7	Bottom	3	1	22.87	8.14	27.91	97.3	7.12	6.3	6.4
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR3(N)	15:28	2.7	Bottom	3	2	22.87	8.16	27.51	97.6	7.15	6.2	6.9
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR4(N)	16:20	1.0	Surface	1	1	22.61	8.15	29.24	97.8	7.14	19.3	18.9
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR4(N)	16:19	1.0	Surface	1	2	22.63	8.14	29.16	99.1	7.24	19.1	18.6
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR4(N)	16:19	2.8	Bottom	3	1	22.59	8.14	29.15	98.4	7.18	19.6	22.4
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR4(N)	16:19	2.8	Bottom	3	2	22.59	8.14	29.26	97.6	7.13	19.5	21.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR5(N)	16:08	1.0	Surface	1	1	22.58	8.18	32.32	99.0	7.09	4.2	2.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR5(N)	16:07	1.0	Surface	1	2	22.68	8.19	32.23	98.9	7.10	4.1	3.7
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR5(N)	16:07	4.2	Middle	2	1	22.42	8.18	32.51	98.5	7.08	4.4	3.1
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR5(N)	16:07	4.2	Middle	2	2	22.43	8.19	32.49	98.4	7.06	4.3	4.6
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR5(N)	16:07	7.4	Bottom	3	1	22.48	8.18	32.46	98.3	7.06	4.6	8.7
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR5(N)	16:07	7.4	Bottom	3	2	22.41	8.19	32.52	98.2	7.05	4.7	7.9
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10A(N)	17:18	1.0	Surface	1	1	22.52	8.16	33.04	93.4	6.68	4.3	4.4
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10A(N)	17:19	1.0	Surface	1	2	22.52	8.14	33.05	93.8	6.72	4.2	5.7
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10A(N)	17:18	7	Middle	2	1	22.52	8.16	33.04	90.5	6.47	4.6	5.0
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10A(N)	17:19	7	Middle	2	2	22.52	8.15	33.04	91.8	6.57	4.5	5.2
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10A(N)	17:18	13	Bottom	3	1	22.52	8.17	33.04	89.1	6.37	4.9	4.7
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10A(N)	17:18	13	Bottom	3	2	22.52	8.15	33.04	89.6	6.41	4.7	5.1
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10B(N2)	17:26	1.0	Surface	1	1	22.52	8.12	33.05	87.5	6.26	3.2	5.0
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10B(N2)	17:27	1.0	Surface	1	2	22.52	8.12	33.04	87.7	6.27	3.3	6.0
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10B(N2)	17:26	3.9	Middle	2	1	22.52	8.12	33.04	87.2	6.23	3.6	5.8
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10B(N2)	17:26	3.9	Middle	2	2	22.52	8.12	33.04	87.4	6.25	3.6	5.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10B(N2)	17:26	6.8	Bottom	3	1	22.52	8.13	33.05	87.0	6.22	3.8	5.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	SR10B(N2)	17:26	6.8	Bottom	3	2	22.52	8.12	33.04	87.0	6.22	3.7	5.4
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS2(A)	15:10	1.0	Surface	1	1	22.53	8.22	32.14	101.9	7.33	4.3	4.9
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS2(A)	15:11	1.0	Surface	1	2	22.54	8.22	32.07	101.9	7.32	4.2	4.6
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS2(A)	15:10	3.8	Middle	2	1	22.49	8.21	32.33	101.7	7.31	4.5	5.9
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS2(A)	15:10	3.8	Middle	2	2	22.50	8.22	32.29	101.9	7.31	4.5	4.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS2(A)	15:10	6.6	Bottom	3	1	22.42	8.18	32.91	101.2	7.25	4.7	5.3
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS2(A)	15:10	6.6	Bottom	3	2	22.51	8.22	32.48	101.5	7.29	4.6	5.8
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS(Mf)5	17:06	1.0	Surface	1	1	22.58	8.08	29.86	92.2	6.70	4.2	4.5
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS(Mf)5	17:07	1.0	Surface	1	2	22.58	8.08	29.92	88.3	6.41	4.5	3.8
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS(Mf)5	17:06	6.6	Middle	2	1	22.56	8.07	30.02	90.6	6.59	6.4	3.9
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS(Mf)5	17:07	6.6	Middle	2	2	22.56	8.07	30.12	88.1	6.41	6.5	3.5
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS(Mf)5	17:07	12.2	Bottom	3	1	22.57	8.07	30.19	87.9	6.39	6.8	4.8
HKLR	HY/2011/03	2017-12-01	Mid-Flood	Fine	CS(Mf)5	17:06	12.2	Bottom	3	2	22.56	8.07	30.08	89.9	6.54	6.9	5.0
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS5	11:56	1.0	Surface	1	1	22.30	8.07	29.17	95.0	6.98	7.2	9.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS5	11:56	1.0	Surface	1	2	22.32	8.08	29.02	97.0	7.13	7.3	9.2
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS5	11:56	4.2	Middle	2	1	22.28	8.07	29.21	94.8	6.96	7.3	9.1
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS5	11:56	4.2	Middle	2	2	22.29	8.08	29.05	96.4	7.08	7.4	8.7
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS5	11:56	7.3	Bottom	3	1	22.27	8.07	29.23	94.8	6.96	7.5	9.9
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS5	11:55	7.3	Bottom	3	2	22.28	8.10	29.01	96.1	7.06	7.3	10.9
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS(Mf)6	12:25	1.0	Surface	1	1	22.37	8.06	29.41	96.1	7.04	7.4	7.6
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS(Mf)6	12:24	1.0	Surface	1	2	22.36	8.06	29.40	96.4	7.06	7.6	8.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS(Mf)6	12:25	2.2	Bottom	3	1	22.36	8.06	29.44	96.2	7.04	7.6	9.4
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS(Mf)6	12:24	2.2	Bottom	3	2	22.36	8.07	29.40	96.4	7.06	7.6	8.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS7	12:34	1.0	Surface	1	1	22.81	8.10	29.25	101.9	7.41	7.2	7.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS7	12:34	1.0	Surface	1	2	22.78	8.10	29.35	101.9	7.41	7.2	7.8
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS7	12:33	2.0	Bottom	3	1	22.46	8.11	29.21	100.3	7.34	7.1	9.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS7	12:34	2.0	Bottom	3	2	22.45	8.10	29.38	101.2	7.40	7.6	7.8
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS8	13:01	1.0	Surface	1	1	22.36	8.11	29.32	101.2	7.42	7.7	6.3
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS8	13:01	1.0	Surface	1	2	22.30	8.12	29.43	99.1	7.26	7.3	6.3
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS8	13:00	2.9	Bottom	3	1	22.34	8.12	29.28	100.0	7.33	7.2	9.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS8	13:01	2.9	Bottom	3	2	22.30	8.12	29.43	98.7	7.23	7.1	8.3
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS(Mf)9	12:42	1.0	Surface	1	1	22.63	8.12	29.30	98.7	7.20	6.2	9.4
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS(Mf)9	12:43	1.0	Surface	1	2	22.50	8.12	29.41	98.7	7.21	6.1	9.0
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS(Mf)9	12:43	2.6	Bottom	3	1	22.40	8.12	29.43	98.6	7.21	6.3	9.4
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS(Mf)9	12:42	2.6	Bottom	3	2	22.34	8.13	29.36	98.1	7.19	6.2	8.9
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS10(N)	12:37	1.0	Surface	1	1	22.50	8.09	32.75	96.8	6.94	5.2	7.9
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS10(N)	12:38	1.0	Surface	1	2	22.49	8.09	32.75	96.8	6.93	5.3	8.7
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS10(N)	12:37	5.3	Middle	2	1	22.39	8.09	32.76	96.7	6.93	5.4	7.1
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS10(N)	12:37	5.3	Middle	2	2	22.45	8.10	32.75	96.4	6.92	5.5	7.6
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS10(N)	12:37	9.5	Bottom	3	1	22.41	8.09	32.71	96.4	6.91	5.8	11.2
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	IS10(N)	12:37	9.5	Bottom	3	2	22.46	8.10	32.73	96.0	6.89	5.7	11.9
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR3(N)	11:48	1.0	Surface	1	1	22.46	8.10	27.81	97.2	7.17	6.2	6.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR3(N)	11:47	1.0	Surface	1	2	22.47	8.13	27.55	96.9	7.16	6.2	8.0
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR3(N)	11:47	2.3	Bottom	3	1	22.40	8.11	27.25	95.4	7.07	6.3	7.8
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR3(N)	11:47	2.3	Bottom	3	2	22.42	8.12	27.67	97.0	7.17	6.2	7.9
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR4(N)	12:53	1.0	Surface	1	1	22.64	8.11	29.19	98.7	7.21	6.5	9.7
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR4(N)	12:54	1.0	Surface	1	2	22.62	8.11	29.29	96.9	7.07	6.3	8.1
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR4(N)	12:53	2.8	Bottom	3	1	22.61	8.11	29.27	96.5	7.04	6.4	9.3
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR4(N)	12:53	2.8	Bottom	3	2	22.53	8.13	29.15	97.7	7.13	6.5	10.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR5(N)	12:29	1.0	Surface	1	1	22.45	8.11	32.75	99.3	7.14	5.3	7.1
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR5(N)	12:28	1.0	Surface	1	2	22.45	8.12	32.75	98.5	7.07	5.2	8.2
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR5(N)	12:28	4.0	Middle	2	1	22.39	8.12	32.74	97.6	7.01	5.6	8.7
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR5(N)	12:28	4.0	Middle	2	2	22.32	8.11	32.75	98.3	7.05	5.6	7.1
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR5(N)	12:28	6.9	Bottom	3	1	22.31	8.13	32.70	97.1	6.96	5.9	9.3
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR5(N)	12:28	6.9	Bottom	3	2	22.38	8.12	32.72	97.0	6.97	5.8	8.3
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10A(N)	13:24	1.0	Surface	1	1	22.37	8.07	32.97	95.8	6.88	7.3	10.3
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10A(N)	13:24	1.0	Surface	1	2	22.36	8.08	32.97	96.2	6.90	7.2	11.0
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10A(N)	13:24	6.8	Middle	2	1	22.36	8.08	32.97	94.4	6.76	7.5	11.8
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10A(N)	13:24	6.8	Middle	2	2	22.37	8.06	32.96	94.5	6.78	7.4	12.4
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10A(N)	13:24	12.6	Bottom	3	1	22.47	8.08	32.88	92.3	6.62	7.7	14.7
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10A(N)	13:24	12.6	Bottom	3	2	22.36	8.08	32.97	93.1	6.68	7.8	15.3
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10B(N2)	13:34	1.0	Surface	1	1	22.36	8.04	32.97	90.0	6.46	7.2	11.8
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10B(N2)	13:34	1.0	Surface	1	2	22.36	8.05	32.98	89.8	6.44	7.2	12.1
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10B(N2)	13:34	3.8	Middle	2	1	22.36	8.05	32.97	89.3	6.41	7.5	13.2
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10B(N2)	13:34	3.8	Middle	2	2	22.36	8.04	32.97	89.6	6.43	7.4	13.2
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10B(N2)	13:34	6.6	Bottom	3	1	22.36	8.05	32.97	89.2	6.40	7.8	18.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	SR10B(N2)	13:34	6.6	Bottom	3	2	22.36	8.06	32.97	89.1	6.39	7.9	17.2
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS2(A)	11:38	1.0	Surface	1	1	22.10	8.13	32.33	99.4	7.19	19.1	23.9
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS2(A)	11:37	1.0	Surface	1	2	22.01	8.11	32.45	99.1	7.17	19.2	24.4
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS2(A)	11:37	3.8	Middle	2	1	21.97	8.16	32.67	98.6	7.12	19.6	26.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS2(A)	11:37	3.8	Middle	2	2	21.96	8.11	32.77	98.5	7.14	19.5	25.6
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS2(A)	11:37	6.5	Bottom	3	1	22.01	8.11	32.75	98.1	7.10	19.7	26.7
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS2(A)	11:37	6.5	Bottom	3	2	21.96	8.14	32.83	98.2	7.10	19.8	27.6
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS(Mf)5	13:26	1.0	Surface	1	1	22.66	8.08	29.59	91.4	6.68	7.3	8.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS(Mf)5	13:26	1.0	Surface	1	2	22.62	8.08	29.43	93.3	6.83	7.2	8.2
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS(Mf)5	13:25	6.4	Middle	2	1	22.37	8.06	29.49	92.1	6.71	10.2	7.4
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS(Mf)5	13:26	6.4	Middle	2	2	22.36	8.06	29.70	91.2	6.63	10.4	7.1
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS(Mf)5	13:26	11.7	Bottom	3	1	22.40	8.06	29.69	90.3	6.60	10.1	11.5
HKLR	HY/2011/03	2017-12-04	Mid-Ebb	Fine	CS(Mf)5	13:25	11.7	Bottom	3	2	22.37	8.08	29.46	91.7	6.71	10.1	12.3
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS5	7:52	1.0	Surface	1	1	22.23	8.07	30.25	95.8	6.99	9.1	10.0
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS5	7:52	1.0	Surface	1	2	22.23	8.06	30.23	97.7	7.14	9.2	11.0
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS5	7:52	4.3	Middle	2	1	22.24	8.06	30.26	95.6	6.98	9.2	11.4
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS5	7:52	4.3	Middle	2	2	22.24	8.06	30.24	96.7	7.06	9.2	12.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS5	7:51	7.6	Bottom	3	1	22.23	8.05	30.22	96.4	7.04	10.2	14.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS5	7:52	7.6	Bottom	3	2	22.24	8.06	30.26	95.5	6.97	10.1	14.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS(Mf)6	7:43	1.0	Surface	1	1	22.17	8.06	30.33	96.7	7.07	11.5	10.3
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS(Mf)6	7:43	1.0	Surface	1	2	22.15	8.05	30.32	98.2	7.18	11.6	11.7
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS(Mf)6	7:43	2.2	Bottom	3	1	22.17	8.05	30.33	96.2	7.03	11.6	13.0
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS(Mf)6	7:43	2.2	Bottom	3	2	22.16	8.05	30.32	97.1	7.10	11.1	12.7
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS7	7:33	1.0	Surface	1	1	22.07	8.04	30.14	100.6	7.37	8.1	8.4
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS7	7:33	1.0	Surface	1	2	22.06	8.04	30.19	98.0	7.18	8.2	7.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS7	7:32	2.2	Bottom	3	1	22.10	8.04	30.16	98.9	7.25	8.2	11.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS7	7:33	2.2	Bottom	3	2	22.06	8.04	30.20	97.0	7.11	8.0	11.3
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS8	7:06	1.0	Surface	1	1	22.14	8.05	30.14	95.7	7.01	7.4	9.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS8	7:05	1.0	Surface	1	2	22.13	8.04	30.10	99.7	7.30	7.1	10.5
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS8	7:06	3.0	Bottom	3	1	22.14	8.04	30.14	95.0	6.96	7.1	9.3
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS8	7:05	3.0	Bottom	3	2	22.13	8.03	30.08	97.2	7.12	7.2	10.0
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS(Mf)9	7:24	1.0	Surface	1	1	22.13	8.05	30.09	102.9	7.55	7.2	11.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS(Mf)9	7:24	1.0	Surface	1	2	22.14	8.06	30.15	97.8	7.16	7.3	10.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS(Mf)9	7:24	2.7	Bottom	3	1	22.09	8.05	30.03	100.1	7.33	7.4	11.9
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS(Mf)9	7:24	2.7	Bottom	3	2	22.14	8.06	30.14	96.8	7.09	7.5	11.4
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS10(N)	7:15	1.0	Surface	1	1	22.19	8.15	32.86	99.2	7.15	20.8	29.4
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS10(N)	7:16	1.0	Surface	1	2	22.18	8.17	32.85	99.1	7.14	20.9	29.0
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS10(N)	7:15	5.4	Middle	2	1	22.13	8.16	32.85	98.7	7.12	21.2	28.9
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS10(N)	7:15	5.4	Middle	2	2	22.13	8.14	32.85	98.5	7.10	21.0	29.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS10(N)	7:15	9.7	Bottom	3	1	22.13	8.12	32.85	97.4	7.04	21.3	32.4
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	IS10(N)	7:15	9.7	Bottom	3	2	22.15	8.16	32.85	97.6	7.02	21.5	32.7
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR3(N)	8:01	1.0	Surface	1	1	22.15	8.07	30.20	94.8	6.94	7.8	11.4
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR3(N)	8:01	1.0	Surface	1	2	22.15	8.07	30.17	96.5	7.06	7.8	12.3
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR3(N)	8:01	2.3	Bottom	3	1	22.16	8.07	30.20	94.2	6.90	8.0	14.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR3(N)	8:01	2.3	Bottom	3	2	22.16	8.06	30.15	95.4	6.98	8.1	16.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR4(N)	7:13	1.0	Surface	1	1	22.15	8.04	30.11	97.1	7.11	8.5	14.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR4(N)	7:12	1.0	Surface	1	2	22.15	8.04	30.05	101.6	7.44	8.5	14.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR4(N)	7:13	2.7	Bottom	3	1	22.15	8.04	30.07	93.9	6.88	8.6	13.2
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR4(N)	7:12	2.7	Bottom	3	2	22.14	8.04	30.02	98.3	7.20	8.8	12.5
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR5(N)	7:27	1.0	Surface	1	1	22.13	8.11	32.85	97.7	7.04	20.9	35.6
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR5(N)	7:26	1.0	Surface	1	2	22.13	8.09	32.85	97.5	7.03	20.8	34.3
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR5(N)	7:26	4.0	Middle	2	1	22.13	8.09	32.85	97.2	7.00	21.3	35.2
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR5(N)	7:27	4.0	Middle	2	2	22.13	8.08	32.85	97.5	7.03	21.2	35.9
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR5(N)	7:26	7.0	Bottom	3	1	22.13	8.09	32.85	97.2	7.01	21.5	38.6
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR5(N)	7:26	7.0	Bottom	3	2	22.14	8.08	32.85	97.1	7.00	21.6	38.2
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10A(N)	6:29	1.0	Surface	1	1	22.28	8.12	32.90	94.8	6.80	9.1	20.9
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10A(N)	6:29	1.0	Surface	1	2	22.30	8.14	32.97	95.0	6.82	9.2	22.3
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10A(N)	6:29	6.9	Middle	2	1	22.30	8.13	32.97	94.7	6.81	9.6	21.6
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10A(N)	6:29	6.9	Middle	2	2	22.31	8.10	32.97	94.5	6.79	9.5	21.0
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10A(N)	6:29	12.7	Bottom	3	1	22.30	8.09	32.97	94.4	6.78	9.9	25.4
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10A(N)	6:29	12.7	Bottom	3	2	22.30	8.12	32.96	94.4	6.78	9.8	25.9
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10B(N2)	6:17	1.0	Surface	1	1	22.29	8.13	32.97	98.8	7.09	9.3	22.4
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10B(N2)	6:17	1.0	Surface	1	2	22.29	8.17	32.98	98.6	7.05	9.3	22.9
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10B(N2)	6:16	3.9	Middle	2	1	22.30	8.13	32.97	97.6	7.01	9.5	23.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10B(N2)	6:17	3.9	Middle	2	2	22.30	8.11	32.98	97.1	6.97	9.6	22.5
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10B(N2)	6:17	6.7	Bottom	3	1	22.30	8.15	32.98	96.8	6.96	9.8	24.6
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	SR10B(N2)	6:16	6.7	Bottom	3	2	22.30	8.17	32.96	96.5	6.93	9.7	24.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS2(A)	8:20	1.0	Surface	1	1	22.02	8.11	32.71	100.4	7.25	22.1	31.0
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS2(A)	8:20	1.0	Surface	1	2	22.03	8.12	32.71	100.9	7.29	22.3	31.0
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS2(A)	8:20	3.8	Middle	2	1	22.04	8.11	32.70	99.6	7.20	22.4	33.2
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS2(A)	8:20	3.8	Middle	2	2	22.03	8.11	32.70	99.1	7.16	22.3	34.8
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS2(A)	8:20	6.5	Bottom	3	1	22.03	8.11	32.71	98.6	7.11	22.5	34.7
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS2(A)	8:20	6.5	Bottom	3	2	22.02	8.09	32.68	98.8	7.14	22.6	33.7
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS(Mf)5	6:43	1.0	Surface	1	1	22.28	8.01	30.90	93.7	6.80	15.2	9.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS(Mf)5	6:44	1.0	Surface	1	2	22.28	8.03	30.43	93.2	6.79	15.2	10.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS(Mf)5	6:44	6.3	Middle	2	1	22.30	8.02	30.67	93.0	6.77	15.3	10.6
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS(Mf)5	6:43	6.3	Middle	2	2	22.30	8.01	31.14	93.5	6.78	15.2	11.1
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS(Mf)5	6:43	11.5	Bottom	3	1	22.30	8.00	31.46	93.4	6.78	15.3	10.5
HKLR	HY/2011/03	2017-12-04	Mid-Flood	Fine	CS(Mf)5	6:43	11.5	Bottom	3	2	22.30	8.02	30.77	93.0	6.76	14.7	11.1
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS5	13:44	1.0	Surface	1	1	21.80	8.12	29.20	95.7	7.10	6.7	9.9
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS5	13:45	1.0	Surface	1	2	21.77	8.12	29.26	94.3	6.99	6.9	9.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS5	13:44	4.3	Middle	2	1	21.70	8.12	29.27	94.8	7.03	7.1	9.5
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS5	13:44	4.3	Middle	2	2	21.69	8.12	29.35	94.1	6.97	7.1	8.6
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS5	13:44	7.6	Bottom	3	1	21.64	8.13	29.27	94.7	7.02	7.1	13.4
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS5	13:44	7.6	Bottom	3	2	21.72	8.12	29.29	94.0	6.97	7.0	12.6
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS(Mf)6	13:52	1.0	Surface	1	1	21.69	8.10	29.22	95.4	7.08	8.5	11.0
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS(Mf)6	13:52	1.0	Surface	1	2	21.68	8.10	29.16	97.3	7.23	8.4	11.4
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS(Mf)6	13:52	2.2	Bottom	3	1	21.68	8.10	29.22	94.9	7.04	8.5	10.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS(Mf)6	13:52	2.2	Bottom	3	2	21.67	8.12	29.14	96.3	7.15	8.4	10.3
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS7	14:00	1.0	Surface	1	1	22.07	8.12	29.31	99.8	7.34	5.6	6.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS7	14:00	1.0	Surface	1	2	22.08	8.12	29.32	99.4	7.37	5.9	8.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS7	13:59	2.2	Bottom	3	1	21.75	8.12	29.36	99.7	7.34	5.8	9.3
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS7	14:00	2.2	Bottom	3	2	22.11	8.12	29.35	99.6	7.34	5.6	10.4
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS8	14:27	1.0	Surface	1	1	22.21	8.12	29.35	96.1	7.08	10.4	9.9
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS8	14:26	1.0	Surface	1	2	22.26	8.12	29.26	97.8	7.24	10.5	10.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS8	14:26	2.7	Bottom	3	1	21.94	8.12	29.34	95.9	7.06	10.6	10.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS8	14:26	2.7	Bottom	3	2	21.81	8.11	29.30	97.1	7.13	10.5	10.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS(Mf)9	14:09	1.0	Surface	1	1	22.15	8.13	29.39	97.2	7.19	7.6	6.5
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS(Mf)9	14:09	1.0	Surface	1	2	22.14	8.13	29.40	96.3	7.09	7.6	6.5
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS(Mf)9	14:09	2.5	Bottom	3	1	22.10	8.13	29.39	96.3	7.08	7.9	6.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS(Mf)9	14:09	2.5	Bottom	3	2	21.80	8.13	29.44	96.8	7.12	7.6	7.9
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS10(N)	14:20	1.0	Surface	1	1	21.92	8.33	32.66	94.1	6.82	7.5	10.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS10(N)	14:20	1.0	Surface	1	2	21.92	8.34	32.66	93.8	6.80	7.6	10.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS10(N)	14:20	5.3	Middle	2	1	21.88	8.34	32.65	93.6	6.78	8.6	10.9
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS10(N)	14:20	5.3	Middle	2	2	21.86	8.34	32.66	93.8	6.80	8.8	9.4
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS10(N)	14:20	9.5	Bottom	3	1	21.82	8.34	32.63	93.5	6.78	9.6	9.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	IS10(N)	14:19	9.5	Bottom	3	2	21.87	8.34	32.65	93.4	6.78	9.8	9.8
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR3(N)	13:35	1.0	Surface	1	1	21.76	8.19	27.34	96.4	7.22	10.4	11.8
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR3(N)	13:36	1.0	Surface	1	2	21.76	8.15	27.56	95.9	7.18	10.4	11.6
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR3(N)	13:35	2.2	Bottom	3	1	21.72	8.17	27.42	96.1	7.20	10.3	10.5
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR3(N)	13:35	2.2	Bottom	3	2	21.69	8.18	27.11	96.2	7.23	10.5	11.0
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR4(N)	14:20	1.0	Surface	1	1	22.24	8.10	29.37	97.4	7.17	9.6	9.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR4(N)	14:20	1.0	Surface	1	2	22.41	8.10	29.33	95.6	7.02	9.7	9.0
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR4(N)	14:20	2.6	Bottom	3	1	22.25	8.10	29.36	95.2	6.97	9.5	12.5
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR4(N)	14:19	2.6	Bottom	3	2	22.05	8.11	29.41	96.5	7.08	9.5	11.5
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR5(N)	14:14	1.0	Surface	1	1	22.06	8.40	32.65	95.6	6.91	6.2	8.8
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR5(N)	14:14	1.0	Surface	1	2	22.02	8.42	32.66	96.1	6.95	6.1	8.6
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR5(N)	14:14	4.0	Middle	2	1	21.91	8.43	32.66	96.0	6.95	6.6	9.8
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR5(N)	14:14	4.0	Middle	2	2	21.95	8.41	32.66	95.4	6.90	6.4	9.6
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR5(N)	14:14	7.0	Bottom	3	1	21.86	8.43	32.65	96.1	6.97	7.0	8.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR5(N)	14:14	7.0	Bottom	3	2	21.89	8.41	32.63	95.3	6.91	7.2	8.6
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10A(N)	15:12	1.0	Surface	1	1	22.14	8.37	32.96	89.5	6.45	5.5	7.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10A(N)	15:13	1.0	Surface	1	2	22.14	8.35	32.95	90.0	6.48	5.5	8.1
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10A(N)	15:12	6.8	Middle	2	1	22.13	8.37	32.95	88.8	6.39	5.6	7.4
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10A(N)	15:13	6.8	Middle	2	2	22.14	8.36	32.96	89.3	6.43	5.4	7.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10A(N)	15:12	12.6	Bottom	3	1	22.13	8.38	32.95	88.6	6.38	6.1	9.1
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10A(N)	15:13	12.6	Bottom	3	2	22.14	8.36	32.95	88.6	6.38	6.3	7.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10B(N2)	15:18	1.0	Surface	1	1	22.11	8.30	32.95	89.1	6.42	8.8	12.4
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10B(N2)	15:19	1.0	Surface	1	2	22.10	8.30	32.95	89.3	6.44	9.0	13.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10B(N2)	15:19	3.8	Middle	2	1	22.10	8.30	32.95	89.0	6.41	9.2	12.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10B(N2)	15:18	3.8	Middle	2	2	22.10	8.30	32.95	88.6	6.38	9.1	13.9
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10B(N2)	15:18	6.5	Bottom	3	1	22.10	8.30	32.95	88.5	6.38	9.8	13.8
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	SR10B(N2)	15:19	6.5	Bottom	3	2	22.10	8.30	32.95	88.6	6.38	10.0	13.5
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS2(A)	13:24	1.0	Surface	1	1	21.64	8.36	32.44	95.5	6.95	17.5	23.2
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS2(A)	13:25	1.0	Surface	1	2	21.68	8.35	32.44	95.6	6.95	17.3	23.4
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS2(A)	13:24	3.8	Middle	2	1	21.65	8.36	32.67	94.9	6.91	18.5	22.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS2(A)	13:25	3.8	Middle	2	2	21.63	8.35	32.65	95.0	6.91	18.7	22.8
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS2(A)	13:24	6.6	Bottom	3	1	21.67	8.36	32.73	95.4	6.95	19.9	25.1
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS2(A)	13:25	6.6	Bottom	3	2	21.66	8.35	32.71	94.8	6.90	20.1	24.5
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS(Mf)5	15:16	1.0	Surface	1	1	22.48	8.08	29.50	93.4	6.87	6.0	5.8
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS(Mf)5	15:16	1.0	Surface	1	2	22.35	8.08	29.67	90.6	6.65	5.7	4.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS(Mf)5	15:16	6.1	Middle	2	1	22.09	8.07	29.75	90.2	6.60	9.5	7.7
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS(Mf)5	15:15	6.1	Middle	2	2	22.11	8.07	29.59	91.8	6.71	9.3	6.9
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS(Mf)5	15:15	11.2	Bottom	3	1	22.03	8.07	29.62	91.3	6.71	9.3	7.0
HKLR	HY/2011/03	2017-12-06	Mid-Ebb	Fine	CS(Mf)5	15:16	11.2	Bottom	3	2	22.09	8.07	29.76	89.7	6.59	9.7	6.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS5	9:59	1.0	Surface	1	1	21.45	8.05	30.01	99.8	7.41	10.2	13.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS5	9:59	1.0	Surface	1	2	21.45	8.06	30.06	95.1	7.05	10.8	13.0
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS5	9:59	4.1	Middle	2	1	21.45	8.06	30.08	94.3	6.99	10.8	14.4
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS5	9:59	4.1	Middle	2	2	21.44	8.04	30.02	97.9	7.26	10.2	13.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS5	9:58	7.2	Bottom	3	1	21.42	8.04	29.99	96.5	7.16	10.3	15.1
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS5	9:59	7.2	Bottom	3	2	21.45	8.05	30.07	93.9	6.96	10.6	13.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS(Mf)6	9:51	1.0	Surface	1	1	21.49	8.05	29.99	98.7	7.32	11.2	15.1
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS(Mf)6	9:51	1.0	Surface	1	2	21.49	8.05	30.00	96.0	7.12	12.5	15.3
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS(Mf)6	9:51	2.0	Bottom	3	1	21.49	8.05	30.01	95.2	7.05	11.5	15.0
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS(Mf)6	9:51	2.0	Bottom	3	2	21.48	8.04	29.98	96.9	7.18	11.3	14.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS7	9:42	1.0	Surface	1	1	21.48	8.06	29.94	96.1	7.13	9.9	8.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS7	9:42	1.0	Surface	1	2	21.48	8.05	29.89	99.4	7.38	9.9	8.3
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS7	9:42	2.2	Bottom	3	1	21.47	8.05	29.95	95.4	7.07	9.6	8.5
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS7	9:41	2.2	Bottom	3	2	21.47	8.04	29.87	97.4	7.22	10.1	8.1
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS8	9:12	1.0	Surface	1	1	21.68	8.03	29.98	95.0	7.02	16.0	18.2
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS8	9:13	1.0	Surface	1	2	21.68	8.04	30.00	92.7	6.84	16.3	17.6
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS8	9:12	2.7	Bottom	3	1	21.67	8.03	29.99	93.7	6.92	16.3	19.3
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS8	9:13	2.7	Bottom	3	2	21.68	8.03	30.01	92.3	6.82	16.4	20.4
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS(Mf)9	9:33	1.0	Surface	1	1	21.61	8.06	29.96	96.3	7.13	11.9	10.6
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS(Mf)9	9:33	1.0	Surface	1	2	21.61	8.06	29.97	94.5	6.99	11.5	9.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS(Mf)9	9:33	2.1	Bottom	3	1	21.60	8.05	29.95	95.2	7.04	12.2	13.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS(Mf)9	9:33	2.1	Bottom	3	2	21.61	8.06	29.98	94.0	6.95	12.3	12.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS10(N)	9:21	1.0	Surface	1	1	21.59	8.26	32.69	96.0	6.99	17.7	20.2
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS10(N)	9:20	1.0	Surface	1	2	21.58	8.25	32.68	95.6	6.96	17.5	19.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS10(N)	9:21	5.4	Middle	2	1	21.59	8.26	32.69	95.6	6.96	18.1	20.3
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS10(N)	9:20	5.4	Middle	2	2	21.59	8.24	32.70	95.0	6.92	18.4	19.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS10(N)	9:21	9.8	Bottom	3	1	21.59	8.26	32.70	95.0	6.92	20.2	20.0
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	IS10(N)	9:20	9.8	Bottom	3	2	21.60	8.23	32.74	94.9	6.92	20.4	21.5
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR3(N)	10:07	1.0	Surface	1	1	21.49	8.05	30.02	98.9	7.33	9.8	11.0
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR3(N)	10:07	1.0	Surface	1	2	21.49	8.06	30.04	96.1	7.12	9.8	11.1
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR3(N)	10:07	2.2	Bottom	3	1	21.46	8.04	30.03	96.9	7.18	9.8	10.8
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR3(N)	10:07	2.2	Bottom	3	2	21.49	8.05	30.04	94.8	7.02	9.7	10.5
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR4(N)	9:19	1.0	Surface	1	1	21.67	8.02	29.98	100.7	7.45	14.7	22.4
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR4(N)	9:19	1.0	Surface	1	2	21.68	8.03	30.01	96.4	7.13	14.1	22.8
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR4(N)	9:19	2.2	Bottom	3	1	21.67	8.03	30.00	94.8	7.00	14.5	22.6
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR4(N)	9:19	2.2	Bottom	3	2	21.63	8.02	29.98	98.2	7.26	14.5	23.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR5(N)	9:30	1.0	Surface	1	1	21.53	8.30	32.69	95.2	6.94	21.1	26.4
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR5(N)	9:30	1.0	Surface	1	2	21.53	8.31	32.69	95.1	6.93	21.4	26.1
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR5(N)	9:30	4.2	Middle	2	1	21.53	8.30	32.69	95.2	6.94	22.4	27.2
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR5(N)	9:30	4.2	Middle	2	2	21.53	8.31	32.69	95.0	6.93	22.6	26.2
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR5(N)	9:30	7.3	Bottom	3	1	21.53	8.30	32.69	95.2	6.94	24.0	26.0
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR5(N)	9:30	7.3	Bottom	3	2	21.53	8.30	32.69	95.0	6.93	24.4	26.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10A(N)	8:31	1.0	Surface	1	1	21.93	8.10	32.92	91.3	6.60	14.0	17.4
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10A(N)	8:31	1.0	Surface	1	2	21.93	8.12	32.92	91.6	6.62	14.1	17.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10A(N)	8:31	6.9	Middle	2	1	21.93	8.08	32.92	90.7	6.56	14.4	19.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10A(N)	8:31	6.9	Middle	2	2	21.94	8.11	32.93	91.2	6.60	14.5	19.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10A(N)	8:30	12.7	Bottom	3	1	21.93	8.06	32.92	90.6	6.55	14.7	22.1
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10A(N)	8:31	12.7	Bottom	3	2	21.94	8.11	32.93	90.7	6.56	14.7	21.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10B(N2)	8:25	1.0	Surface	1	1	22.00	7.80	33.01	89.1	6.43	15.1	18.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10B(N2)	8:24	1.0	Surface	1	2	22.00	7.67	33.01	89.3	6.44	15.2	19.4
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10B(N2)	8:24	4.1	Middle	2	1	22.00	7.62	33.01	89.1	6.43	15.5	19.0
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10B(N2)	8:25	4.1	Middle	2	2	22.00	7.76	33.01	88.9	6.42	15.6	19.0
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10B(N2)	8:25	7.1	Bottom	3	1	22.00	7.73	33.01	88.9	6.42	15.8	20.2
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	SR10B(N2)	8:24	7.1	Bottom	3	2	22.00	7.57	33.01	89.2	6.43	15.9	20.8
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS2(A)	10:30	1.0	Surface	1	1	21.56	8.33	32.52	95.6	6.97	21.0	20.8
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS2(A)	10:29	1.0	Surface	1	2	21.56	8.33	32.52	95.3	6.95	20.8	21.6
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS2(A)	10:29	4.0	Middle	2	1	21.57	8.32	32.51	94.7	6.91	21.0	23.5
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS2(A)	10:30	4.0	Middle	2	2	21.57	8.33	32.52	95.1	6.94	21.2	24.9
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS2(A)	10:29	7.0	Bottom	3	1	21.58	8.32	32.51	94.6	6.90	21.8	23.1
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS2(A)	10:29	7.0	Bottom	3	2	21.57	8.33	32.51	94.7	6.91	22.0	23.6
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS(Mf)5	8:42	1.0	Surface	1	1	21.82	7.97	31.27	98.7	7.13	9.8	9.0
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS(Mf)5	8:43	1.0	Surface	1	2	21.82	8.00	30.63	92.3	6.77	10.3	9.8
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS(Mf)5	8:42	6.3	Middle	2	1	21.78	7.95	31.93	94.1	6.87	13.4	10.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS(Mf)5	8:43	6.3	Middle	2	2	21.78	7.99	30.87	92.2	6.76	13.9	11.1
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS(Mf)5	8:41	11.5	Bottom	3	1	21.79	7.91	33.47	93.6	6.85	13.5	11.7
HKLR	HY/2011/03	2017-12-06	Mid-Flood	Fine	CS(Mf)5	8:42	11.5	Bottom	3	2	21.80	7.98	31.07	92.0	6.75	13.7	11.5
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS5	15:25	1.0	Surface	1	1	21.28	8.04	28.81	94.5	7.08	7.6	10.4
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS5	15:27	1.0	Surface	1	2	21.28	8.06	28.82	94.4	7.07	7.7	11.7
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS5	15:25	4.1	Middle	2	1	21.21	8.03	28.86	94.7	7.10	8.3	10.0
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS5	15:26	4.1	Middle	2	2	21.24	8.05	28.85	94.3	7.06	8.1	11.5
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS5	15:26	7.2	Bottom	3	1	21.21	8.05	28.80	95.0	7.12	8.6	10.4
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS5	15:25	7.2	Bottom	3	2	21.20	8.03	28.82	95.3	7.15	8.5	11.1
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS(Mf)6	15:36	1.0	Surface	1	1	21.42	8.05	28.89	98.2	7.33	8.3	9.6
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS(Mf)6	15:35	1.0	Surface	1	2	21.42	8.03	28.85	98.3	7.35	8.5	9.9
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS(Mf)6	15:35	2.4	Bottom	3	1	21.39	8.04	28.87	99.2	7.42	9.0	10.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS(Mf)6	15:35	2.4	Bottom	3	2	21.38	8.03	28.82	99.4	7.44	9.4	11.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS7	15:44	1.0	Surface	1	1	21.47	8.05	28.64	101.9	7.62	8.4	13.6
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS7	15:44	1.0	Surface	1	2	21.48	8.07	28.68	102.2	7.63	8.2	12.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS7	15:44	2.5	Bottom	3	1	21.47	8.05	28.62	104.6	7.81	8.8	15.4
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS7	15:43	2.5	Bottom	3	2	21.46	8.04	28.62	104.2	7.80	8.7	13.9
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS8	16:14	1.0	Surface	1	1	21.39	8.05	28.75	95.1	7.11	17.1	21.3
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS8	16:14	1.0	Surface	1	2	21.38	8.04	28.70	95.0	7.11	17.3	21.4
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS8	16:14	2.8	Bottom	3	1	21.38	8.04	28.69	95.7	7.15	16.2	21.3
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS8	16:13	2.8	Bottom	3	2	21.38	8.03	28.67	96.1	7.20	15.8	22.0
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS(Mf)9	15:54	1.0	Surface	1	1	21.37	8.04	28.76	95.9	7.18	9.1	11.7
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS(Mf)9	15:53	1.0	Surface	1	2	21.36	8.02	28.77	96.2	7.19	9.3	11.5
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS(Mf)9	15:53	2.6	Bottom	3	1	21.35	8.01	28.72	96.2	7.21	10.6	10.1
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS(Mf)9	15:53	2.6	Bottom	3	2	21.36	8.02	28.74	96.3	7.20	10.3	11.0
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS10(N)	16:06	1.0	Surface	1	1	21.33	8.19	32.20	95.3	6.99	7.2	12.1
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS10(N)	16:06	1.0	Surface	1	2	21.32	8.18	32.20	94.7	6.95	7.3	11.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS10(N)	16:06	5.4	Middle	2	1	21.38	8.18	32.23	94.6	6.94	7.5	11.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS10(N)	16:06	5.4	Middle	2	2	21.39	8.19	32.23	94.5	6.92	7.6	12.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS10(N)	16:06	9.7	Bottom	3	1	21.41	8.18	32.30	94.3	6.92	7.8	13.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	IS10(N)	16:06	9.7	Bottom	3	2	21.39	8.19	32.27	94.0	6.89	7.9	13.3
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR3(N)	15:16	1.0	Surface	1	1	21.38	8.06	27.63	95.2	7.17	8.4	13.6
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR3(N)	15:16	1.0	Surface	1	2	21.37	8.05	27.58	95.0	7.17	8.1	14.9
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR3(N)	15:15	2.8	Bottom	3	1	21.36	8.04	27.47	95.3	7.21	8.9	12.7
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR3(N)	15:16	2.8	Bottom	3	2	21.35	8.05	27.54	95.3	7.19	9.0	12.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR4(N)	16:06	1.0	Surface	1	1	21.47	8.06	28.74	96.2	7.19	10.1	13.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR4(N)	16:05	1.0	Surface	1	2	21.48	8.05	28.69	96.0	7.17	9.7	13.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR4(N)	16:05	2.6	Bottom	3	1	21.47	8.05	28.67	96.9	7.25	10.4	13.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR4(N)	16:06	2.6	Bottom	3	2	21.48	8.06	28.70	97.0	7.25	10.5	12.6
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR5(N)	15:56	1.0	Surface	1	1	21.33	8.20	32.20	98.1	7.18	7.4	11.0
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR5(N)	15:55	1.0	Surface	1	2	21.35	8.21	32.20	96.9	7.10	7.3	9.6
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR5(N)	15:55	4.3	Middle	2	1	21.42	8.22	32.26	95.8	7.02	7.6	11.9
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR5(N)	15:56	4.3	Middle	2	2	21.38	8.20	32.21	96.4	7.07	7.7	10.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR5(N)	15:55	7.5	Bottom	3	1	21.44	8.22	32.27	95.5	7.01	7.9	13.3
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR5(N)	15:55	7.5	Bottom	3	2	21.42	8.21	32.29	95.3	6.99	7.8	12.3
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10A(N)	16:58	1.0	Surface	1	1	21.66	8.15	32.81	93.2	6.77	5.4	9.3
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10A(N)	16:59	1.0	Surface	1	2	21.67	8.14	32.84	94.0	6.83	5.3	8.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10A(N)	16:58	7.1	Middle	2	1	21.66	8.14	32.82	92.6	6.73	5.7	11.1
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10A(N)	16:58	7.1	Middle	2	2	21.66	8.15	32.81	91.2	6.63	5.5	10.1
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10A(N)	16:58	13.2	Bottom	3	1	21.66	8.14	32.83	90.9	6.61	5.9	12.3
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10A(N)	16:58	13.2	Bottom	3	2	21.67	8.15	32.82	91.0	6.62	5.8	11.6
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10B(N2)	17:08	1.0	Surface	1	1	21.67	8.13	32.83	90.6	6.59	5.2	9.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10B(N2)	17:08	1.0	Surface	1	2	21.67	8.13	32.83	90.6	6.59	5.1	8.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10B(N2)	17:08	4.0	Middle	2	1	21.67	8.13	32.83	90.4	6.57	5.5	9.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10B(N2)	17:07	4.0	Middle	2	2	21.67	8.13	32.83	90.7	6.59	5.3	9.6
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10B(N2)	17:07	6.9	Bottom	3	1	21.67	8.14	32.83	90.4	6.57	5.6	9.0
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	SR10B(N2)	17:08	6.9	Bottom	3	2	21.67	8.13	32.83	90.4	6.57	5.7	9.4
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS2(A)	15:06	1.0	Surface	1	1	21.33	8.21	32.38	96.5	7.07	50.7	37.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS2(A)	15:05	1.0	Surface	1	2	21.33	8.23	32.38	97.0	7.11	51.1	38.4
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS2(A)	15:05	4.0	Middle	2	1	21.31	8.23	32.38	96.0	7.04	56.9	40.6
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS2(A)	15:05	4.0	Middle	2	2	21.32	8.22	32.38	95.2	6.98	56.3	39.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS2(A)	15:05	7.0	Bottom	3	1	21.32	8.22	32.37	94.6	6.94	59.6	40.2
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS2(A)	15:05	7.0	Bottom	3	2	21.30	8.24	32.36	94.9	6.95	59.8	39.9
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS(Mf)5	16:56	1.0	Surface	1	1	21.57	8.06	28.31	89.9	6.72	6.4	8.9
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS(Mf)5	16:54	1.0	Surface	1	2	21.55	8.06	28.28	89.7	6.72	6.0	8.5
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS(Mf)5	16:55	6.4	Middle	2	1	21.67	8.05	28.51	90.9	6.77	7.5	11.0
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS(Mf)5	16:54	6.4	Middle	2	2	21.68	8.05	28.45	90.8	6.79	7.2	9.4
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS(Mf)5	16:54	11.8	Bottom	3	1	21.71	8.05	28.48	91.4	6.84	8.1	9.8
HKLR	HY/2011/03	2017-12-08	Mid-Ebb	Fine	CS(Mf)5	16:55	11.8	Bottom	3	2	21.72	8.05	28.52	91.8	6.83	8.0	9.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS5	11:53	1.0	Surface	1	1	21.14	8.00	29.75	93.6	7.00	11.6	15.7
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS5	11:54	1.0	Surface	1	2	21.14	8.01	29.76	93.5	6.98	11.8	15.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS5	11:53	4.2	Middle	2	1	21.11	7.99	29.69	94.3	7.06	12.3	14.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS5	11:54	4.2	Middle	2	2	21.13	8.01	29.66	94.3	7.04	12.1	14.3
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS5	11:53	7.4	Bottom	3	1	21.11	8.00	29.62	95.4	7.12	12.5	17.6
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS5	11:52	7.4	Bottom	3	2	21.10	7.99	29.61	95.9	7.17	12.7	18.0
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS(Mf)6	11:45	1.0	Surface	1	1	21.29	7.98	29.78	96.0	7.15	14.0	15.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS(Mf)6	11:46	1.0	Surface	1	2	21.29	7.99	29.82	95.5	7.11	13.6	16.2
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS(Mf)6	11:46	2.5	Bottom	3	1	21.24	7.98	29.68	96.5	7.19	15.6	19.0
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS(Mf)6	11:45	2.5	Bottom	3	2	21.23	7.98	29.73	96.5	7.20	15.7	19.2
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS7	11:35	1.0	Surface	1	1	21.21	8.00	29.72	96.8	7.23	13.3	14.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS7	11:35	1.0	Surface	1	2	21.20	7.98	29.72	96.9	7.24	13.6	13.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS7	11:34	2.6	Bottom	3	1	21.13	7.97	29.68	97.9	7.33	17.1	15.1
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS7	11:35	2.6	Bottom	3	2	21.15	8.00	29.68	97.8	7.31	16.5	14.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS8	11:05	1.0	Surface	1	1	21.28	7.97	29.31	96.0	7.19	13.5	27.2
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS8	11:05	1.0	Surface	1	2	21.28	8.00	29.32	95.9	7.17	13.2	28.2
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS8	11:04	3.0	Bottom	3	1	21.25	7.96	29.12	97.5	7.31	15.1	29.1
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS8	11:05	3.0	Bottom	3	2	21.26	7.99	29.20	97.5	7.29	15.4	29.1
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS(Mf)9	11:26	1.0	Surface	1	1	21.25	7.99	29.69	94.6	7.05	14.1	13.3
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS(Mf)9	11:26	1.0	Surface	1	2	21.24	7.94	29.57	94.4	7.04	13.7	12.8
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS(Mf)9	11:26	2.8	Bottom	3	1	21.23	7.97	29.56	95.1	7.09	15.1	16.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS(Mf)9	11:25	2.8	Bottom	3	2	21.21	7.93	29.45	95.0	7.10	14.8	15.3
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS10(N)	11:12	1.0	Surface	1	1	21.18	8.15	32.02	102.8	7.57	11.1	20.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS10(N)	11:12	1.0	Surface	1	2	21.19	8.17	32.02	102.4	7.52	11.2	21.6
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS10(N)	11:12	5.5	Middle	2	1	21.18	8.16	32.02	101.5	7.48	11.4	21.6
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS10(N)	11:12	5.5	Middle	2	2	21.19	8.14	32.02	100.2	7.38	11.5	21.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS10(N)	11:12	9.9	Bottom	3	1	21.18	8.12	32.01	99.5	7.33	11.7	20.9
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	IS10(N)	11:12	9.9	Bottom	3	2	21.18	8.16	32.02	98.6	7.27	11.7	20.6
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR3(N)	12:03	1.0	Surface	1	1	21.17	8.00	29.69	93.3	6.97	10.3	12.0
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR3(N)	12:03	1.0	Surface	1	2	21.16	8.01	29.72	93.4	6.97	10.6	12.9
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR3(N)	12:03	3.0	Bottom	3	1	21.14	8.01	29.65	94.4	7.05	11.3	11.7
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR3(N)	12:02	3.0	Bottom	3	2	21.16	7.99	29.64	94.3	7.05	10.9	12.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR4(N)	11:13	1.0	Surface	1	1	21.22	8.00	29.70	94.0	7.02	11.3	13.6
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR4(N)	11:13	1.0	Surface	1	2	21.22	8.02	29.78	94.3	7.03	11.5	14.1
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR4(N)	11:13	2.7	Bottom	3	1	21.19	8.01	29.64	95.0	7.09	13.7	17.3
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR4(N)	11:12	2.7	Bottom	3	2	21.17	7.99	29.60	95.1	7.11	14.2	16.0
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR5(N)	11:22	1.0	Surface	1	1	21.19	8.18	32.02	97.1	7.15	12.2	18.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR5(N)	11:22	1.0	Surface	1	2	21.20	8.18	32.02	96.6	7.12	12.1	17.8
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR5(N)	11:22	4.3	Middle	2	1	21.19	8.18	32.02	96.4	7.10	12.5	19.0
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR5(N)	11:22	4.3	Middle	2	2	21.18	8.18	32.02	96.0	7.07	12.4	18.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR5(N)	11:22	7.6	Bottom	3	1	21.19	8.18	32.01	95.8	7.06	12.7	18.2
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR5(N)	11:22	7.6	Bottom	3	2	21.19	8.17	32.02	95.6	7.04	12.8	19.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10A(N)	10:25	1.0	Surface	1	1	21.65	8.07	32.70	94.3	6.86	12.6	19.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10A(N)	10:26	1.0	Surface	1	2	21.65	8.11	32.70	94.8	6.90	12.7	18.2
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10A(N)	10:25	7.1	Middle	2	1	21.65	8.04	32.70	93.3	6.79	12.8	20.9
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10A(N)	10:26	7.1	Middle	2	2	21.65	8.10	32.70	93.5	6.80	12.9	20.7
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10A(N)	10:25	13.2	Bottom	3	1	21.65	8.11	32.70	92.6	6.74	13.3	20.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10A(N)	10:26	13.2	Bottom	3	2	21.65	8.09	32.70	92.8	6.75	13.2	19.0
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10B(N2)	10:15	1.0	Surface	1	1	21.66	8.14	32.70	93.7	6.82	12.8	15.8
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10B(N2)	10:15	1.0	Surface	1	2	21.64	8.14	32.70	92.4	6.73	12.9	15.0
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10B(N2)	10:15	4	Middle	2	1	21.64	8.18	32.70	95.9	7.02	13.2	17.0
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10B(N2)	10:15	4	Middle	2	2	21.65	8.11	32.70	95.6	6.96	13.1	18.7
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10B(N2)	10:15	7.0	Bottom	3	1	21.65	8.18	32.70	99.6	7.25	13.5	20.3
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	SR10B(N2)	10:15	7.0	Bottom	3	2	21.64	8.14	32.70	98.3	7.15	13.6	21.3
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS2(A)	12:18	1.0	Surface	1	1	20.96	8.15	31.44	99.4	7.36	36.7	45.6
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS2(A)	12:18	1.0	Surface	1	2	20.98	8.14	31.51	98.2	7.27	38.9	44.2
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS2(A)	12:18	4.1	Middle	2	1	20.98	8.14	31.62	97.4	7.21	42.1	45.2
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS2(A)	12:18	4.1	Middle	2	2	20.96	8.14	31.43	96.8	7.18	41.5	44.9
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS2(A)	12:18	7.1	Bottom	3	1	20.96	8.13	31.40	96.1	7.12	44.8	45.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS2(A)	12:18	7.1	Bottom	3	2	20.96	8.15	31.42	96.8	7.17	45.6	44.7
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS(Mf)5	10:40	1.0	Surface	1	1	21.45	7.99	31.21	94.2	6.94	8.2	9.6
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS(Mf)5	10:41	1.0	Surface	1	2	21.45	8.00	31.21	93.3	6.90	8.5	10.5
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS(Mf)5	10:40	6.5	Middle	2	1	21.45	7.98	32.03	96.3	7.06	11.6	11.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS(Mf)5	10:41	6.5	Middle	2	2	21.45	8.00	32.08	95.3	7.03	11.2	10.4
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS(Mf)5	10:39	12	Bottom	3	1	21.43	7.97	33.13	98.4	7.17	12.6	11.1
HKLR	HY/2011/03	2017-12-08	Mid-Flood	Fine	CS(Mf)5	10:41	12	Bottom	3	2	21.44	7.99	33.17	97.1	7.16	12.3	11.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS5	7:19	1.0	Surface	1	1	20.26	8.07	29.28	93.9	7.14	5.3	8.2
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS5	7:19	1.0	Surface	1	2	20.29	8.06	29.24	98.9	7.52	5.5	9.2
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS5	7:19	4.2	Middle	2	1	20.29	8.07	29.34	93.1	7.08	5.5	8.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS5	7:18	4.2	Middle	2	2	20.30	8.06	29.33	96.7	7.36	5.7	8.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS5	7:19	7.3	Bottom	3	1	20.29	8.07	29.35	92.9	7.07	5.6	8.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS5	7:18	7.3	Bottom	3	2	20.30	8.06	29.36	95.2	7.25	5.7	8.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS(Mf)6	7:10	1.0	Surface	1	1	20.24	8.06	29.03	94.1	7.18	9.1	11.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS(Mf)6	7:10	1.0	Surface	1	2	20.20	8.05	28.98	95.0	7.26	9.2	11.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS(Mf)6	7:10	2.2	Bottom	3	1	20.23	8.06	29.03	93.6	7.14	9.2	13.9
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS(Mf)6	7:09	2.2	Bottom	3	2	20.19	8.04	28.89	94.3	7.19	9.2	13.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS7	7:02	1.0	Surface	1	1	20.06	8.06	28.98	96.8	7.41	9.8	13.6
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS7	7:01	1.0	Surface	1	2	20.05	8.05	28.96	101.1	7.74	9.5	13.9
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS7	7:01	2.2	Bottom	3	1	20.04	8.05	28.99	98.2	7.52	9.9	13.3
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS7	7:02	2.2	Bottom	3	2	20.06	8.06	29.00	95.3	7.30	9.6	14.6
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS8	6:33	1.0	Surface	1	1	20.15	8.04	28.85	99.4	7.60	9.8	15.9
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS8	6:33	1.0	Surface	1	2	20.15	8.03	28.81	103.2	7.90	9.8	14.3
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS8	6:33	3.0	Bottom	3	1	20.15	8.04	28.87	100.6	7.70	9.8	18.1
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS8	6:33	3.0	Bottom	3	2	20.13	8.03	28.80	105.4	8.06	9.5	16.6
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS(Mf)9	6:52	1.0	Surface	1	1	20.06	8.06	28.87	101.4	7.78	7.4	10.4
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS(Mf)9	6:52	1.0	Surface	1	2	20.06	8.07	28.92	97.0	7.43	7.6	10.9
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS(Mf)9	6:52	2.8	Bottom	3	1	20.02	8.05	28.89	98.8	7.57	7.4	14.4
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS(Mf)9	6:52	2.8	Bottom	3	2	20.06	8.06	28.94	95.9	7.35	7.6	15.2
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS10(N)	6:43	1.0	Surface	1	1	20.30	8.15	32.37	99.0	7.40	2.2	6.1
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS10(N)	6:42	1.0	Surface	1	2	20.31	8.13	32.37	99.8	7.44	2.1	6.2
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS10(N)	6:42	5.9	Middle	2	1	20.43	8.13	32.47	97.8	7.30	2.6	8.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS10(N)	6:43	5.9	Middle	2	2	20.40	8.15	32.44	97.3	7.25	2.7	6.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS10(N)	6:43	10.7	Bottom	3	1	20.33	8.14	32.48	96.2	7.18	2.9	12.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	IS10(N)	6:42	10.7	Bottom	3	2	20.45	8.12	32.49	96.1	7.19	3.1	13.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR3(N)	7:28	1.0	Surface	1	1	20.04	8.05	29.00	104.0	7.94	6.3	12.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR3(N)	7:28	1.0	Surface	1	2	20.07	8.06	29.07	97.6	7.46	6.4	12.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR3(N)	7:28	2.4	Bottom	3	1	20.16	8.06	29.12	95.4	7.30	6.7	13.9
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR3(N)	7:28	2.4	Bottom	3	2	20.20	8.05	29.05	100.3	7.68	6.7	12.5
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR4(N)	6:40	1.0	Surface	1	1	20.28	8.05	28.73	100.8	7.70	5.6	7.5
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR4(N)	6:41	1.0	Surface	1	2	20.28	8.05	28.79	95.2	7.26	5.5	8.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR4(N)	6:40	2.6	Bottom	3	1	20.26	8.05	28.71	96.8	7.39	5.5	8.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR4(N)	6:40	2.6	Bottom	3	2	20.28	8.05	28.79	93.4	7.13	5.5	10.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR5(N)	6:56	1.0	Surface	1	1	20.24	8.19	32.29	98.6	7.35	3.3	5.5
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR5(N)	6:55	1.0	Surface	1	2	20.34	8.17	32.37	98.2	7.34	3.1	5.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR5(N)	6:55	4.5	Middle	2	1	20.42	8.17	32.49	97.4	7.26	3.4	8.2
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR5(N)	6:56	4.5	Middle	2	2	20.35	8.18	32.38	97.7	7.28	3.4	7.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR5(N)	6:55	7.9	Bottom	3	1	20.32	8.16	32.49	96.8	7.23	3.7	11.3
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR5(N)	6:55	7.9	Bottom	3	2	20.33	8.18	32.49	96.6	7.21	3.6	10.5
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10A(N)	5:47	1.0	Surface	1	1	21.29	8.18	33.06	89.4	6.53	2.1	7.5
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10A(N)	5:48	1.0	Surface	1	2	21.29	8.13	33.06	89.4	6.54	2.3	7.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10A(N)	5:47	6.7	Middle	2	1	21.30	8.15	33.07	89.4	6.53	2.4	8.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10A(N)	5:48	6.7	Middle	2	2	21.30	8.12	33.06	89.4	6.53	2.4	7.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10A(N)	5:47	12.4	Bottom	3	1	21.29	8.19	33.07	89.2	6.52	2.7	7.4
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10A(N)	5:47	12.4	Bottom	3	2	21.29	8.13	33.07	89.2	6.52	2.7	8.1
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10B(N2)	5:32	1.0	Surface	1	1	21.29	8.12	33.07	90.8	6.64	2.1	8.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10B(N2)	5:31	1.0	Surface	1	2	21.30	8.19	33.07	90.3	6.60	2.2	7.4
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10B(N2)	5:31	3.6	Middle	2	1	21.30	8.15	33.08	89.8	6.56	2.4	8.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10B(N2)	5:32	3.6	Middle	2	2	21.30	8.19	33.07	90.1	6.59	2.4	9.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10B(N2)	5:31	6.1	Bottom	3	1	21.30	8.17	33.08	89.7	6.55	2.7	9.4
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	SR10B(N2)	5:31	6.1	Bottom	3	2	21.30	8.15	33.07	89.7	6.56	2.8	9.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS2(A)	7:46	1.0	Surface	1	1	20.16	8.23	32.77	99.8	7.45	6.1	8.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS2(A)	7:45	1.0	Surface	1	2	20.16	8.23	32.78	98.8	7.38	6.3	9.5
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS2(A)	7:45	4.2	Middle	2	1	20.21	8.23	32.83	98.4	7.35	6.5	10.3
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS2(A)	7:46	4.2	Middle	2	2	20.18	8.23	32.79	97.8	7.31	6.4	11.9
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS2(A)	7:45	7.3	Bottom	3	1	20.21	8.23	32.83	97.4	7.27	6.8	14.5
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS2(A)	7:46	7.3	Bottom	3	2	20.15	8.23	32.84	97.1	7.26	6.7	15.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS(Mf)5	6:05	1.0	Surface	1	1	21.12	8.01	27.72	104.1	7.89	4.1	6.7
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS(Mf)5	6:06	1.0	Surface	1	2	21.12	8.03	28.21	99.2	7.51	3.9	6.0
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS(Mf)5	6:05	6.2	Middle	2	1	21.10	8.00	27.66	96.5	7.30	3.9	8.2
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS(Mf)5	6:06	6.2	Middle	2	2	21.12	8.03	28.22	93.2	7.03	3.9	9.8
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS(Mf)5	6:05	11.4	Bottom	3	1	21.09	7.99	27.47	91.7	6.92	4.0	9.2
HKLR	HY/2011/03	2017-12-11	Mid-Ebb	Cloudy	CS(Mf)5	6:05	11.4	Bottom	3	2	21.11	8.02	28.12	91.2	6.88	4.0	8.8
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS5	13:33	1.0	Surface	1	1	20.63	8.08	28.68	95.9	7.29	7.0	8.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS5	13:32	1.0	Surface	1	2	20.57	8.08	28.64	97.4	7.41	7.1	8.0
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS5	13:33	4.3	Middle	2	1	20.54	8.08	28.78	95.9	7.28	7.1	7.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS5	13:32	4.3	Middle	2	2	20.54	8.07	28.70	96.9	7.37	7.3	8.4
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS5	13:32	7.6	Bottom	3	1	20.49	8.07	28.74	96.6	7.34	7.5	8.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS5	13:32	7.6	Bottom	3	2	20.50	8.08	28.77	95.7	7.27	7.2	9.7
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS(Mf)6	13:41	1.0	Surface	1	1	20.67	8.09	28.71	98.7	7.48	9.9	8.7
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS(Mf)6	13:41	1.0	Surface	1	2	20.68	8.09	28.73	99.0	7.51	9.5	8.7
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS(Mf)6	13:41	2.3	Bottom	3	1	20.47	8.09	28.76	98.2	7.47	10.7	9.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS(Mf)6	13:41	2.3	Bottom	3	2	20.54	8.09	28.76	98.8	7.50	10.4	9.9
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS7	13:50	1.0	Surface	1	1	20.73	8.09	28.81	97.7	7.41	10.1	8.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS7	13:49	1.0	Surface	1	2	20.70	8.08	28.77	99.4	7.56	10.5	9.4
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS7	13:49	2.4	Bottom	3	1	20.51	8.09	28.79	98.7	7.48	10.2	10.1
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS7	13:50	2.4	Bottom	3	2	20.65	8.09	28.80	97.6	7.39	10.4	10.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS8	14:19	1.0	Surface	1	1	20.71	8.12	28.96	99.9	7.56	8.2	11.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS8	14:20	1.0	Surface	1	2	20.72	8.12	28.99	96.9	7.33	8.1	11.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS8	14:19	3.3	Bottom	3	1	20.70	8.12	29.02	96.4	7.29	8.0	11.0
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS8	14:19	3.3	Bottom	3	2	20.69	8.11	28.97	98.3	7.43	7.9	10.8
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS(Mf)9	14:00	1.0	Surface	1	1	20.54	8.12	28.90	96.5	7.34	10.7	11.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS(Mf)9	14:00	1.0	Surface	1	2	20.54	8.10	28.85	98.7	7.50	10.1	10.7
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS(Mf)9	14:00	2.7	Bottom	3	1	20.49	8.11	28.92	96.0	7.29	10.2	13.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS(Mf)9	13:59	2.7	Bottom	3	2	20.52	8.12	28.85	97.5	7.40	10.2	14.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS10(N)	14:22	1.0	Surface	1	1	20.72	8.26	32.49	93.7	6.94	12.3	14.7
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS10(N)	14:22	1.0	Surface	1	2	20.68	8.27	32.60	94.3	6.98	12.2	14.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS10(N)	14:21	5.9	Middle	2	1	20.73	8.27	32.55	93.5	6.93	12.5	14.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS10(N)	14:22	5.9	Middle	2	2	20.73	8.26	32.55	93.6	6.94	12.6	14.4
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS10(N)	14:22	10.8	Bottom	3	1	20.72	8.27	32.56	93.5	6.93	12.8	17.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	IS10(N)	14:21	10.8	Bottom	3	2	20.73	8.28	32.55	93.5	6.92	12.7	16.7
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR3(N)	13:23	1.0	Surface	1	1	20.49	8.12	27.34	98.0	7.53	7.9	13.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR3(N)	13:24	1.0	Surface	1	2	20.47	8.11	27.54	96.5	7.39	8.3	13.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR3(N)	13:23	2.6	Bottom	3	1	20.51	8.16	27.11	96.8	7.42	8.3	13.1
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR3(N)	13:24	2.6	Bottom	3	2	20.49	8.12	27.45	96.0	7.35	8.1	12.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR4(N)	14:13	1.0	Surface	1	1	20.76	8.10	28.96	98.2	7.44	5.8	6.9
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR4(N)	14:13	1.0	Surface	1	2	20.73	8.11	28.98	96.0	7.26	6.0	7.5
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR4(N)	14:13	2.9	Bottom	3	1	20.71	8.11	28.99	95.3	7.21	6.0	8.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR4(N)	14:12	2.9	Bottom	3	2	20.65	8.09	29.00	96.7	7.31	5.9	7.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR5(N)	14:09	1.0	Surface	1	1	20.73	8.29	32.55	99.1	7.34	11.1	15.1
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR5(N)	14:08	1.0	Surface	1	2	20.74	8.31	32.54	97.8	7.25	11.2	16.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR5(N)	14:09	4.5	Middle	2	1	20.73	8.30	32.55	97.2	7.20	11.5	16.9
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR5(N)	14:08	4.5	Middle	2	2	20.73	8.31	32.55	96.2	7.13	11.5	15.4
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR5(N)	14:09	8.0	Bottom	3	1	20.73	8.30	32.55	95.4	7.06	11.7	18.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR5(N)	14:08	8.0	Bottom	3	2	20.74	8.30	32.54	95.7	7.09	11.9	18.0
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10A(N)	15:19	1.0	Surface	1	1	21.35	8.28	33.01	94.5	6.90	4.1	13.9
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10A(N)	15:18	1.0	Surface	1	2	21.35	8.30	33.00	93.7	6.87	3.8	13.5
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10A(N)	15:19	6.8	Middle	2	1	21.35	8.29	33.00	93.2	6.81	4.3	13.8
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10A(N)	15:18	6.8	Middle	2	2	21.35	8.31	33.00	91.9	6.71	4.2	12.5
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10A(N)	15:18	12.6	Bottom	3	1	21.34	8.32	33.00	90.8	6.63	4.4	12.0
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10A(N)	15:19	12.6	Bottom	3	2	21.35	8.29	33.00	91.2	6.66	4.6	13.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10B(N2)	15:29	1.0	Surface	1	1	21.35	8.25	33.01	89.7	6.55	4.2	8.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10B(N2)	15:29	1.0	Surface	1	2	21.35	8.26	33.03	89.4	6.53	4.1	7.9
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10B(N2)	15:29	3.7	Middle	2	1	21.35	8.25	33.01	89.4	6.53	4.4	11.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10B(N2)	15:29	3.7	Middle	2	2	21.35	8.26	33.00	89.1	6.51	4.3	10.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10B(N2)	15:29	6.3	Bottom	3	1	21.36	8.27	33.00	88.9	6.49	4.6	14.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	SR10B(N2)	15:29	6.3	Bottom	3	2	21.35	8.26	33.00	88.9	6.49	4.7	15.1
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS2(A)	13:13	1.0	Surface	1	1	20.28	8.26	32.17	98.1	7.34	6.8	9.6
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS2(A)	13:13	1.0	Surface	1	2	20.27	8.25	32.14	97.9	7.33	7.1	9.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS2(A)	13:13	4.2	Middle	2	1	20.12	8.26	32.29	97.7	7.33	7.2	9.9
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS2(A)	13:13	4.2	Middle	2	2	20.22	8.25	32.22	97.7	7.32	7.1	10.3
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS2(A)	13:12	7.4	Bottom	3	1	20.09	8.18	32.46	97.3	7.29	7.4	10.4
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS2(A)	13:13	7.4	Bottom	3	2	20.12	8.26	32.35	97.7	7.33	7.4	9.1
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS(Mf)5	14:45	1.0	Surface	1	1	21.33	8.07	29.51	89.6	6.68	6.8	7.2
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS(Mf)5	14:44	1.0	Surface	1	2	21.33	8.08	29.46	95.3	7.11	6.8	8.7
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS(Mf)5	14:44	6.4	Middle	2	1	21.29	8.08	29.58	92.5	6.90	6.8	8.5
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS(Mf)5	14:44	6.4	Middle	2	2	21.30	8.07	29.65	88.6	6.60	6.7	7.4
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS(Mf)5	14:44	11.8	Bottom	3	1	21.28	8.09	29.58	91.0	6.78	6.8	7.0
HKLR	HY/2011/03	2017-12-11	Mid-Flood	Cloudy	CS(Mf)5	14:44	11.8	Bottom	3	2	21.30	8.07	29.66	88.6	6.60	6.9	8.8
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS5	9:51	1.0	Surface	1	1	20.23	8.04	30.22	99.3	7.52	5.9	6.8
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS5	9:52	1.0	Surface	1	2	20.23	8.05	30.25	95.3	7.22	5.8	7.3
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS5	9:51	4.1	Middle	2	1	20.23	8.04	30.27	97.6	7.39	5.8	6.5
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS5	9:51	4.1	Middle	2	2	20.23	8.05	30.30	94.9	7.19	5.8	6.3
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS5	9:51	7.2	Bottom	3	1	20.24	8.05	30.32	94.7	7.17	5.9	6.5
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS5	9:51	7.2	Bottom	3	2	20.23	8.03	30.29	96.7	7.32	5.9	6.8
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS(Mf)6	9:42	1.0	Surface	1	1	20.09	8.04	30.02	96.4	7.33	7.2	7.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS(Mf)6	9:42	1.0	Surface	1	2	20.09	8.03	29.97	99.9	7.60	7.4	6.9
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS(Mf)6	9:41	2.1	Bottom	3	1	20.08	8.03	29.96	98.2	7.47	7.4	6.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS(Mf)6	9:42	2.1	Bottom	3	2	20.10	8.04	30.04	95.9	7.29	7.1	6.9
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS7	9:29	1.0	Surface	1	1	19.97	8.06	30.05	98.5	7.51	6.5	5.8
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS7	9:30	1.0	Surface	1	2	19.97	8.06	30.06	96.8	7.37	6.6	5.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS7	9:29	2.1	Bottom	3	1	19.93	8.05	30.09	97.4	7.42	6.5	7.4
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS7	9:30	2.1	Bottom	3	2	19.96	8.06	30.09	96.1	7.32	6.5	6.6
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS8	9:01	1.0	Surface	1	1	20.46	8.04	30.07	94.0	7.10	7.1	9.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS8	9:01	1.0	Surface	1	2	20.47	8.04	30.03	96.2	7.26	7.0	9.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS8	9:00	3.1	Bottom	3	1	20.46	8.04	30.05	98.0	7.40	7.1	13.9
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS8	9:01	3.1	Bottom	3	2	20.47	8.04	30.09	94.8	7.16	7.2	12.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS(Mf)9	9:20	1.0	Surface	1	1	20.23	8.06	29.96	99.5	7.55	8.6	11.9
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS(Mf)9	9:20	1.0	Surface	1	2	20.23	8.07	30.00	96.8	7.34	8.6	11.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS(Mf)9	9:20	2.6	Bottom	3	1	20.23	8.07	30.01	96.0	7.28	8.4	10.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS(Mf)9	9:20	2.6	Bottom	3	2	20.22	8.06	29.96	97.9	7.43	8.6	10.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS10(N)	9:04	1.0	Surface	1	1	20.64	8.10	32.85	98.3	7.28	3.4	4.8
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS10(N)	9:04	1.0	Surface	1	2	20.68	8.10	32.86	97.3	7.21	3.3	6.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS10(N)	9:04	5.7	Middle	2	1	20.61	8.10	32.84	96.4	7.13	3.6	7.7
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS10(N)	9:04	5.7	Middle	2	2	20.61	8.10	32.85	95.3	7.06	3.6	8.4
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS10(N)	9:04	10.4	Bottom	3	1	20.60	8.10	32.83	95.0	7.04	3.9	11.7
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	IS10(N)	9:04	10.4	Bottom	3	2	20.65	8.10	32.82	94.7	7.01	3.8	11.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR3(N)	10:01	1.0	Surface	1	1	20.16	8.05	30.18	97.6	7.40	4.2	5.4
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR3(N)	10:01	1.0	Surface	1	2	20.18	8.05	30.22	95.6	7.25	4.5	5.2
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR3(N)	10:01	2.4	Bottom	3	1	20.17	8.05	30.22	95.2	7.22	4.3	7.3
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR3(N)	10:01	2.4	Bottom	3	2	20.17	8.04	30.23	96.3	7.31	4.2	8.2
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR4(N)	9:08	1.0	Surface	1	1	20.14	8.01	29.85	99.4	7.56	4.4	4.4
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR4(N)	9:08	1.0	Surface	1	2	20.16	8.02	29.87	95.3	7.24	4.2	5.2
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR4(N)	9:08	2.6	Bottom	3	1	20.16	8.01	29.92	94.0	7.15	4.4	4.4
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR4(N)	9:08	2.6	Bottom	3	2	20.13	8.02	29.90	96.7	7.35	4.2	4.7
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR5(N)	9:16	1.0	Surface	1	1	20.64	8.11	32.84	93.8	6.94	2.8	5.5
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR5(N)	9:15	1.0	Surface	1	2	20.64	8.10	32.84	93.7	6.94	2.7	5.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR5(N)	9:15	4.4	Middle	2	1	20.62	8.11	32.84	93.4	6.92	3.1	6.3
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR5(N)	9:15	4.4	Middle	2	2	20.62	8.11	32.84	93.7	6.94	3.2	6.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR5(N)	9:15	7.8	Bottom	3	1	20.63	8.10	32.83	93.4	6.92	3.6	5.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR5(N)	9:15	7.8	Bottom	3	2	20.63	8.10	32.83	93.4	6.92	3.4	6.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10A(N)	8:07	1.0	Surface	1	1	21.20	8.16	33.10	88.6	6.49	1.2	3.6
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10A(N)	8:07	1.0	Surface	1	2	21.19	8.17	33.10	88.2	6.45	1.1	4.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10A(N)	8:07	6.8	Middle	2	1	21.20	8.17	33.09	88.2	6.46	1.3	3.9
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10A(N)	8:06	6.8	Middle	2	2	21.20	8.15	33.10	87.6	6.41	1.4	3.3
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10A(N)	8:06	12.6	Bottom	3	1	21.20	8.15	33.10	87.5	6.40	1.6	3.5
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10A(N)	8:07	12.6	Bottom	3	2	21.20	8.17	33.10	87.6	6.41	1.7	3.6
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10B(N2)	7:56	1.0	Surface	1	1	21.22	8.10	33.11	94.8	6.94	2.1	6.2
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10B(N2)	7:57	1.0	Surface	1	2	21.20	8.13	33.10	93.7	6.85	2.2	6.5
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10B(N2)	7:56	3.7	Middle	2	1	21.20	8.08	33.10	92.4	6.77	2.4	5.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10B(N2)	7:57	3.7	Middle	2	2	21.20	8.12	33.10	91.8	6.72	2.3	5.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10B(N2)	7:57	6.4	Bottom	3	1	21.21	8.11	33.10	90.3	6.61	2.4	5.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	SR10B(N2)	7:56	6.4	Bottom	3	2	21.20	8.07	33.09	91.0	6.66	2.5	5.5
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS2(A)	10:07	1.0	Surface	1	1	20.46	8.15	33.34	99.4	7.36	4.9	7.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS2(A)	10:07	1.0	Surface	1	2	20.46	8.15	33.34	99.9	7.40	4.7	8.5
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS2(A)	10:07	4.2	Middle	2	1	20.44	8.15	33.34	98.5	7.30	5.2	8.3
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS2(A)	10:07	4.2	Middle	2	2	20.45	8.15	33.34	99.0	7.33	5.2	8.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS2(A)	10:07	7.3	Bottom	3	1	20.44	8.15	33.34	98.3	7.28	5.4	8.6
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS2(A)	10:07	7.3	Bottom	3	2	20.46	8.15	33.33	98.2	7.28	5.6	8.1
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS(Mf)5	8:35	1.0	Surface	1	1	21.19	7.94	31.35	87.7	6.46	3.0	6.4
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS(Mf)5	8:34	1.0	Surface	1	2	21.20	7.92	32.33	92.0	6.71	3.1	6.0
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS(Mf)5	8:35	6.1	Middle	2	1	21.20	7.94	31.71	87.5	6.46	3.0	8.6
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS(Mf)5	8:34	6.1	Middle	2	2	21.20	7.91	32.79	89.9	6.59	3.1	7.7
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS(Mf)5	8:35	11.2	Bottom	3	1	21.20	7.93	31.91	87.4	6.45	3.1	7.5
HKLR	HY/2011/03	2017-12-13	Mid-Ebb	Cloudy	CS(Mf)5	8:34	11.2	Bottom	3	2	21.20	7.91	33.63	89.2	6.56	3.1	7.6
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS5	14:40	1.0	Surface	1	1	20.13	8.14	31.11	99.3	7.51	10.8	11.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS5	14:41	1.0	Surface	1	2	20.14	8.14	31.21	96.8	7.30	10.9	11.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS5	14:40	4.3	Middle	2	1	20.12	8.15	31.11	98.2	7.42	10.3	10.6
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS5	14:41	4.3	Middle	2	2	20.14	8.14	31.26	96.4	7.27	10.5	10.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS5	14:40	7.6	Bottom	3	1	20.12	8.16	30.98	97.7	7.37	10.9	14.8
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS5	14:41	7.6	Bottom	3	2	20.16	8.14	31.23	96.4	7.27	10.5	13.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS(Mf)6	14:50	1.0	Surface	1	1	20.17	8.14	30.97	101.2	7.65	9.3	12.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS(Mf)6	14:50	1.0	Surface	1	2	20.17	8.14	31.07	99.4	7.50	9.2	11.2
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS(Mf)6	14:50	2.2	Bottom	3	1	20.13	8.15	30.88	100.1	7.56	9.5	13.1
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS(Mf)6	14:50	2.2	Bottom	3	2	20.17	8.14	31.04	98.8	7.45	9.4	12.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS7	14:59	1.0	Surface	1	1	20.21	8.12	30.92	99.1	7.48	6.6	9.0
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS7	14:59	1.0	Surface	1	2	20.21	8.12	30.99	97.0	7.32	6.5	8.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS7	14:58	2.1	Bottom	3	1	20.21	8.13	30.88	97.6	7.37	6.4	8.9
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS7	14:59	2.1	Bottom	3	2	20.21	8.12	30.96	95.8	7.23	6.6	8.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS8	15:28	1.0	Surface	1	1	20.74	8.10	30.81	94.2	7.05	11.2	14.0
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS8	15:28	1.0	Surface	1	2	20.74	8.09	30.76	96.9	7.25	11.1	13.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS8	15:28	3.2	Bottom	3	1	20.74	8.09	30.75	95.4	7.14	11.2	19.2
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS8	15:28	3.2	Bottom	3	2	20.74	8.10	30.80	93.2	6.97	11.3	18.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS(Mf)9	15:08	1.0	Surface	1	1	20.26	8.13	30.82	98.8	7.45	16.9	23.4
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS(Mf)9	15:08	1.0	Surface	1	2	20.26	8.13	30.90	96.5	7.28	16.6	23.6
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS(Mf)9	15:08	2.7	Bottom	3	1	20.26	8.13	30.77	97.4	7.35	16.8	28.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS(Mf)9	15:08	2.7	Bottom	3	2	20.26	8.13	30.89	96.1	7.25	16.5	30.1
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS10(N)	15:37	1.0	Surface	1	1	20.57	8.21	32.77	94.8	7.03	6.1	12.6
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS10(N)	15:37	1.0	Surface	1	2	20.57	8.20	32.77	95.1	7.05	6.2	12.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS10(N)	15:37	5.8	Middle	2	1	20.57	8.20	32.77	94.8	7.03	6.4	14.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS10(N)	15:37	5.8	Middle	2	2	20.57	8.21	32.77	94.5	7.01	6.6	15.9
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS10(N)	15:36	10.6	Bottom	3	1	20.57	8.21	32.77	94.4	7.00	6.8	14.0
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	IS10(N)	15:37	10.6	Bottom	3	2	20.57	8.20	32.77	94.5	7.01	6.7	15.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR3(N)	14:32	1.0	Surface	1	1	20.27	8.16	29.00	96.3	7.35	6.3	10.6
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR3(N)	14:32	1.0	Surface	1	2	20.27	8.19	28.65	97.8	7.50	6.5	10.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR3(N)	14:32	2.5	Bottom	3	1	20.27	8.31	28.07	96.6	7.38	6.5	13.2
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR3(N)	14:32	2.5	Bottom	3	2	20.27	8.18	28.81	95.9	7.31	6.5	12.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR4(N)	15:22	1.0	Surface	1	1	20.68	8.08	30.96	95.6	7.15	8.6	13.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR4(N)	15:22	1.0	Surface	1	2	20.70	8.09	30.90	92.4	6.91	8.5	13.9
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR4(N)	15:22	2.8	Bottom	3	1	20.69	8.08	30.97	93.5	7.00	8.6	13.4
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR4(N)	15:22	2.8	Bottom	3	2	20.69	8.08	31.01	91.9	6.87	8.6	13.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR5(N)	15:26	1.0	Surface	1	1	20.56	8.24	32.78	98.3	7.29	6.4	10.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR5(N)	15:26	1.0	Surface	1	2	20.57	8.22	32.72	98.5	7.32	6.5	11.2
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR5(N)	15:26	4.5	Middle	2	1	20.57	8.23	32.77	97.4	7.23	6.7	12.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR5(N)	15:26	4.5	Middle	2	2	20.57	8.26	32.77	96.4	7.15	6.6	11.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR5(N)	15:26	7.9	Bottom	3	1	20.57	8.23	32.77	95.9	7.12	7.1	14.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR5(N)	15:25	7.9	Bottom	3	2	20.57	8.28	32.76	95.7	7.10	6.9	15.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10A(N)	16:34	1.0	Surface	1	1	21.20	8.18	33.08	92.7	6.74	2.4	6.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10A(N)	16:34	1.0	Surface	1	2	21.20	8.16	33.08	92.6	6.78	2.3	6.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10A(N)	16:34	6.9	Middle	2	1	21.20	8.19	33.07	91.0	6.66	2.7	6.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10A(N)	16:34	6.9	Middle	2	2	21.20	8.16	33.07	89.6	6.56	2.6	5.6
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10A(N)	16:34	12.7	Bottom	3	1	21.20	8.17	33.07	88.6	6.49	2.9	6.0
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10A(N)	16:34	12.7	Bottom	3	2	21.20	8.20	33.06	88.9	6.51	2.9	6.0
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10B(N2)	16:44	1.0	Surface	1	1	21.19	8.13	33.08	87.6	6.41	2.1	3.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10B(N2)	16:44	1.0	Surface	1	2	21.20	8.14	33.07	87.4	6.39	2.2	3.8
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10B(N2)	16:44	3.8	Middle	2	1	21.20	8.14	33.08	87.1	6.38	2.4	4.5
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10B(N2)	16:44	3.8	Middle	2	2	21.20	8.13	33.08	87.3	6.39	2.4	3.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10B(N2)	16:44	6.5	Bottom	3	1	21.20	8.15	33.08	87.0	6.37	2.6	5.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	SR10B(N2)	16:44	6.5	Bottom	3	2	21.20	8.14	33.07	87.0	6.37	2.5	5.0
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS2(A)	14:26	1.0	Surface	1	1	20.19	8.31	32.69	99.6	7.43	5.1	5.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS2(A)	14:27	1.0	Surface	1	2	20.19	8.29	32.70	99.7	7.45	5.3	3.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS2(A)	14:26	4.2	Middle	2	1	20.20	8.32	32.70	99.3	7.42	5.4	5.9
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS2(A)	14:27	4.2	Middle	2	2	20.20	8.30	32.74	99.5	7.43	5.5	5.8
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS2(A)	14:26	7.4	Bottom	3	1	20.20	8.33	32.76	99.2	7.41	5.6	6.1
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS2(A)	14:27	7.4	Bottom	3	2	20.20	8.31	32.79	99.4	7.43	5.7	7.4
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS(Mf)5	15:57	1.0	Surface	1	1	21.14	8.07	30.69	91.9	6.83	4.2	3.1
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS(Mf)5	15:58	1.0	Surface	1	2	21.14	8.07	30.76	88.7	6.58	4.1	3.9
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS(Mf)5	15:57	6.5	Middle	2	1	21.14	8.06	30.74	90.8	6.74	4.7	4.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS(Mf)5	15:58	6.5	Middle	2	2	21.15	8.07	30.81	88.4	6.56	4.8	4.3
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS(Mf)5	15:57	11.9	Bottom	3	1	21.14	8.06	30.71	90.1	6.69	4.8	8.7
HKLR	HY/2011/03	2017-12-13	Mid-Flood	Cloudy	CS(Mf)5	15:57	11.9	Bottom	3	2	21.15	8.07	30.80	88.4	6.56	4.8	7.8
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS5	11:37	1.0	Surface	1	1	20.20	8.04	30.61	94.6	7.16	6.2	5.8
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS5	11:38	1.0	Surface	1	2	20.19	8.04	30.61	95.9	7.25	6.0	6.2
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS5	11:37	4.1	Middle	2	1	20.19	8.04	30.64	94.9	7.18	6.5	8.8
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS5	11:37	4.1	Middle	2	2	20.19	8.04	30.64	93.8	7.10	6.3	10.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS5	11:37	7.2	Bottom	3	1	20.19	8.04	30.64	94.0	7.11	6.2	11.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS5	11:36	7.2	Bottom	3	2	20.19	8.05	30.64	93.8	7.10	6.4	10.0
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS(Mf)6	11:29	1.0	Surface	1	1	20.22	8.04	30.67	94.3	7.12	7.7	8.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS(Mf)6	11:29	1.0	Surface	1	2	20.23	8.04	30.69	95.1	7.19	8.0	8.3
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS(Mf)6	11:29	2.1	Bottom	3	1	20.22	8.04	30.70	94.6	7.15	8.1	9.2
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS(Mf)6	11:29	2.1	Bottom	3	2	20.23	8.04	30.73	95.7	7.23	7.7	10.4
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS7	11:22	1.0	Surface	1	1	20.31	8.05	30.52	97.2	7.34	5.6	7.0
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS7	11:21	1.0	Surface	1	2	20.31	8.05	30.51	96.6	7.30	5.5	9.2
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS7	11:21	2.4	Bottom	3	1	20.27	8.05	30.53	96.1	7.26	5.8	12.3
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS7	11:21	2.4	Bottom	3	2	20.26	8.06	30.52	95.9	7.24	5.4	12.6
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS8	10:55	1.0	Surface	1	1	20.64	8.02	29.91	95.7	7.21	11.3	9.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS8	10:56	1.0	Surface	1	2	20.64	8.02	30.09	97.1	7.32	10.8	9.6
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS8	10:55	3.1	Bottom	3	1	20.63	8.02	30.06	94.4	7.11	10.9	12.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS8	10:55	3.1	Bottom	3	2	20.62	8.02	29.81	94.0	7.07	11.9	14.2
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS(Mf)9	11:14	1.0	Surface	1	1	20.59	8.03	30.47	95.6	7.18	10.2	10.8
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS(Mf)9	11:14	1.0	Surface	1	2	20.58	8.03	30.51	94.2	7.08	9.7	11.4
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS(Mf)9	11:14	2.6	Bottom	3	1	20.59	8.03	30.52	94.8	7.12	10.8	14.4
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS(Mf)9	11:14	2.6	Bottom	3	2	20.58	8.03	30.47	96.7	7.27	11.2	12.9
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS10(N)	11:07	1.0	Surface	1	1	20.68	8.11	32.94	98.9	7.32	3.1	3.2
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS10(N)	11:07	1.0	Surface	1	2	20.68	8.11	32.95	97.9	7.25	3.2	3.6
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS10(N)	11:07	5.6	Middle	2	1	20.60	8.11	32.95	96.5	7.14	3.4	6.0
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS10(N)	11:07	5.6	Middle	2	2	20.60	8.11	32.95	97.5	7.21	3.3	7.5
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS10(N)	11:07	10.2	Bottom	3	1	20.63	8.11	32.92	96.1	7.10	3.5	8.9
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	IS10(N)	11:07	10.2	Bottom	3	2	20.58	8.11	32.94	96.1	7.12	3.6	7.3
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR3(N)	11:48	1.0	Surface	1	1	20.19	8.04	30.62	93.8	7.09	6.2	6.4
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR3(N)	11:49	1.0	Surface	1	2	20.21	8.04	30.61	93.6	7.08	5.8	6.4
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR3(N)	11:48	2.6	Bottom	3	1	20.20	8.04	30.63	93.7	7.08	6.0	6.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR3(N)	11:48	2.6	Bottom	3	2	20.19	8.04	30.63	93.7	7.09	6.5	7.5
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR4(N)	11:02	1.0	Surface	1	1	20.74	8.03	30.21	97.5	7.33	6.5	7.6
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR4(N)	11:01	1.0	Surface	1	2	20.72	8.03	30.08	95.3	7.16	6.7	6.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR4(N)	11:01	2.7	Bottom	3	1	20.67	8.04	29.99	93.2	7.00	7.0	6.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR4(N)	11:02	2.7	Bottom	3	2	20.69	8.03	30.17	94.2	7.08	6.7	6.3
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR5(N)	11:18	1.0	Surface	1	1	20.65	8.12	32.96	95.4	7.06	3.3	6.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR5(N)	11:18	1.0	Surface	1	2	20.65	8.12	32.95	95.2	7.04	3.2	5.0
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR5(N)	11:18	4.4	Middle	2	1	20.58	8.12	32.94	95.1	7.05	3.5	8.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR5(N)	11:18	4.4	Middle	2	2	20.60	8.12	32.95	95.0	7.03	3.5	9.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR5(N)	11:18	7.7	Bottom	3	1	20.66	8.11	32.91	95.3	7.05	3.7	7.9
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR5(N)	11:18	7.7	Bottom	3	2	20.62	8.12	32.92	95.0	7.03	3.8	8.2
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10A(N)	10:13	1.0	Surface	1	1	21.00	8.11	33.08	87.1	6.40	2.3	4.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10A(N)	10:12	1.0	Surface	1	2	21.00	8.18	33.08	87.0	6.39	2.1	3.4
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10A(N)	10:13	6.9	Middle	2	1	21.00	8.11	33.08	86.9	6.38	2.6	4.4
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10A(N)	10:12	6.9	Middle	2	2	21.00	8.17	33.08	86.5	6.36	2.5	5.5
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10A(N)	10:12	12.8	Bottom	3	1	21.00	8.16	33.08	86.4	6.35	2.9	8.5
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10A(N)	10:13	12.8	Bottom	3	2	21.00	8.10	33.08	86.5	6.35	2.8	7.8

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	2017-12-15	Mid-Ebb	Cloudy	SR10B(N2)	10:01	1.0	Surface	1	1	20.98	8.16	30.67	91.6	6.73	2.1	4.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10B(N2)	10:02	1.0	Surface	1	2	21.00	8.11	33.09	91.2	6.74	2.2	3.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10B(N2)	10:01	3.8	Middle	2	1	20.99	8.13	33.09	89.7	6.59	2.3	4.6
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10B(N2)	10:01	3.8	Middle	2	2	21.00	8.10	33.09	90.6	6.76	2.4	4.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10B(N2)	10:01	6.5	Bottom	3	1	20.99	8.18	33.09	88.4	6.49	2.7	6.4
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	SR10B(N2)	10:01	6.5	Bottom	3	2	20.99	8.19	33.10	88.9	6.53	2.6	7.5
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS2(A)	12:08	1.0	Surface	1	1	20.62	8.16	33.37	98.9	7.30	5.4	7.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS2(A)	12:07	1.0	Surface	1	2	20.63	8.16	33.37	99.5	7.36	5.3	7.3
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS2(A)	12:08	4.1	Middle	2	1	20.54	8.16	33.36	98.3	7.26	5.6	10.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS2(A)	12:07	4.1	Middle	2	2	20.58	8.17	33.37	98.9	7.31	5.6	9.8
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS2(A)	12:07	7.2	Bottom	3	1	20.53	8.17	33.34	98.4	7.28	5.9	11.9
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS2(A)	12:07	7.2	Bottom	3	2	20.55	8.16	33.34	98.2	7.26	5.8	11.5
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS(Mf)5	10:29	1.0	Surface	1	1	21.07	7.94	30.97	90.9	6.75	3.4	3.1
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS(Mf)5	10:29	1.0	Surface	1	2	21.07	7.94	31.08	96.9	7.21	3.2	2.6
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS(Mf)5	10:29	6.2	Middle	2	1	21.05	7.93	31.15	87.5	6.50	3.5	4.6
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS(Mf)5	10:28	6.2	Middle	2	2	21.06	7.95	30.91	93.9	6.98	3.6	3.8
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS(Mf)5	10:29	11.3	Bottom	3	1	21.05	7.93	31.13	88.6	6.58	3.4	3.7
HKLR	HY/2011/03	2017-12-15	Mid-Ebb	Cloudy	CS(Mf)5	10:28	11.3	Bottom	3	2	21.05	7.97	30.74	88.0	6.53	3.5	4.0
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS5	15:38	1.0	Surface	1	1	20.47	8.12	28.96	96.0	7.30	5.9	4.5
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS5	15:39	1.0	Surface	1	2	20.45	8.11	29.14	95.8	7.27	6.2	3.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS5	15:39	4.2	Middle	2	1	20.41	8.11	29.14	95.6	7.26	6.3	3.8
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS5	15:38	4.2	Middle	2	2	20.44	8.12	28.96	95.8	7.29	6.1	4.8
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS5	15:39	7.4	Bottom	3	1	20.42	8.11	29.08	95.7	7.27	6.1	3.4
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS5	15:38	7.4	Bottom	3	2	20.43	8.12	28.91	95.8	7.29	6.0	3.1
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS(Mf)6	16:09	1.0	Surface	1	1	20.75	8.09	29.45	100.1	7.54	6.0	7.8
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS(Mf)6	16:08	1.0	Surface	1	2	20.75	8.09	29.31	100.1	7.55	5.5	8.0
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS(Mf)6	16:09	2.1	Bottom	3	1	20.55	8.08	29.42	99.7	7.54	7.1	7.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS(Mf)6	16:08	2.1	Bottom	3	2	20.43	8.08	29.21	99.5	7.55	7.0	7.2
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS7	16:18	1.0	Surface	1	1	20.54	8.09	29.67	95.8	7.24	5.5	8.2
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS7	16:17	1.0	Surface	1	2	20.55	8.08	29.51	97.7	7.39	5.2	8.4
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS7	16:18	2.3	Bottom	3	1	20.50	8.09	29.70	96.0	7.26	6.2	10.5
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS7	16:17	2.3	Bottom	3	2	20.52	8.07	29.48	98.9	7.49	5.8	9.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS8	16:48	1.0	Surface	1	1	20.83	8.12	29.79	93.4	7.02	11.6	14.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS8	16:48	1.0	Surface	1	2	20.82	8.12	29.81	93.1	7.00	11.2	14.2
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS8	16:48	2.9	Bottom	3	1	20.82	8.11	29.83	93.6	7.03	12.0	14.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS8	16:48	2.9	Bottom	3	2	20.82	8.12	29.83	93.2	7.00	11.9	13.5
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS(Mf)9	16:26	1.0	Surface	1	1	20.55	8.10	29.80	95.6	7.22	14.4	10.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS(Mf)9	16:26	1.0	Surface	1	2	20.55	8.10	29.78	96.7	7.30	14.0	9.9
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS(Mf)9	16:26	2.5	Bottom	3	1	20.55	8.10	29.80	96.2	7.26	14.0	18.3
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS(Mf)9	16:26	2.5	Bottom	3	2	20.54	8.10	29.78	97.9	7.39	14.0	17.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS10(N)	16:18	1.0	Surface	1	1	20.67	8.17	32.08	98.7	7.33	4.1	4.2
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS10(N)	16:18	1.0	Surface	1	2	20.66	8.17	32.13	98.7	7.34	4.2	3.4
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS10(N)	16:18	5.7	Middle	2	1	20.63	8.17	32.28	98.6	7.33	4.4	4.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS10(N)	16:18	5.7	Middle	2	2	20.64	8.17	32.22	98.5	7.32	4.4	4.5
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS10(N)	16:18	10.3	Bottom	3	1	20.62	8.17	32.42	98.4	7.32	4.7	6.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	IS10(N)	16:18	10.3	Bottom	3	2	20.63	8.17	32.42	98.4	7.31	4.6	5.3
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR3(N)	15:30	1.0	Surface	1	1	20.42	8.12	28.29	96.7	7.39	5.2	5.9
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR3(N)	15:31	1.0	Surface	1	2	20.46	8.11	28.50	96.5	7.35	5.5	6.2
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR3(N)	15:30	2.4	Bottom	3	1	20.40	8.11	28.16	96.8	7.40	5.0	6.1
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR3(N)	15:30	2.4	Bottom	3	2	20.42	8.12	28.40	96.6	7.37	5.3	7.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR4(N)	16:39	1.0	Surface	1	1	20.83	8.10	29.65	97.6	7.34	10.3	12.4
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR4(N)	16:39	1.0	Surface	1	2	20.83	8.11	29.72	99.2	7.46	10.1	11.9
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR4(N)	16:39	2.7	Bottom	3	1	20.83	8.10	29.71	96.3	7.24	9.9	12.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR4(N)	16:39	2.7	Bottom	3	2	20.81	8.09	29.64	95.4	7.17	10.5	12.8
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR5(N)	16:07	1.0	Surface	1	1	20.65	8.17	32.16	99.8	7.41	3.1	5.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR5(N)	16:07	1.0	Surface	1	2	20.68	8.17	32.09	100.2	7.44	3.2	5.3
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR5(N)	16:07	4.5	Middle	2	1	20.60	8.17	32.41	99.8	7.41	3.4	6.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR5(N)	16:07	4.5	Middle	2	2	20.66	8.17	32.15	99.1	7.36	3.5	6.8
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR5(N)	16:07	7.9	Bottom	3	1	20.64	8.17	32.28	98.5	7.32	3.7	7.5
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR5(N)	16:07	7.9	Bottom	3	2	20.62	8.17	32.51	98.6	7.33	3.6	7.1
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10A(N)	17:13	1.0	Surface	1	1	21.07	8.07	33.07	94.8	6.91	2.1	7.3
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10A(N)	17:12	1.0	Surface	1	2	21.07	8.08	33.08	93.1	6.83	1.9	6.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10A(N)	17:12	7	Middle	2	1	21.07	8.09	33.08	90.2	6.62	2.3	6.3
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10A(N)	17:12	7	Middle	2	2	21.07	8.08	33.08	91.6	6.72	2.4	7.9
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10A(N)	17:12	13	Bottom	3	1	21.06	8.09	33.08	88.9	6.52	2.6	9.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10A(N)	17:12	13	Bottom	3	2	21.07	8.08	33.08	89.5	6.57	2.5	10.9
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10B(N2)	17:23	1.0	Surface	1	1	21.07	8.07	33.07	87.4	6.42	3.6	6.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10B(N2)	17:24	1.0	Surface	1	2	21.07	8.06	33.07	87.7	6.43	3.6	8.0
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10B(N2)	17:23	3.8	Middle	2	1	21.07	8.06	33.07	87.3	6.41	3.7	7.3
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10B(N2)	17:23	3.8	Middle	2	2	21.07	8.07	33.07	87.1	6.39	3.8	7.9
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10B(N2)	17:23	6.6	Bottom	3	1	21.07	8.07	33.07	86.9	6.38	4.2	8.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	SR10B(N2)	17:23	6.6	Bottom	3	2	21.07	8.07	33.07	86.9	6.37	4.1	7.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS2(A)	15:15	1.0	Surface	1	1	20.65	8.13	32.88	99.5	7.36	6.8	8.9
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS2(A)	15:15	1.0	Surface	1	2	20.65	8.12	32.89	99.7	7.38	6.9	9.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS2(A)	15:15	4.2	Middle	2	1	20.64	8.12	33.11	99.6	7.37	7.1	9.1
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS2(A)	15:15	4.2	Middle	2	2	20.64	8.11	33.21	99.2	7.33	7.2	9.4
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS2(A)	15:15	7.3	Bottom	3	1	20.65	8.13	33.04	99.7	7.37	7.3	8.8
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS2(A)	15:15	7.3	Bottom	3	2	20.64	8.11	33.30	99.1	7.32	7.4	8.6
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS(Mf)5	17:10	1.0	Surface	1	1	21.13	8.06	29.99	88.3	6.59	5.6	8.4
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS(Mf)5	17:11	1.0	Surface	1	2	21.09	8.06	30.02	90.0	6.72	5.5	7.2
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS(Mf)5	17:10	4.3	Middle	2	1	21.08	8.05	30.07	88.6	6.61	8.9	7.4
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS(Mf)5	17:11	4.3	Middle	2	2	21.08	8.06	30.12	86.9	6.48	8.8	7.9
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS(Mf)5	17:10	7.6	Bottom	3	1	21.08	8.05	30.06	87.1	6.50	8.9	7.7
HKLR	HY/2011/03	2017-12-15	Mid-Flood	Cloudy	CS(Mf)5	17:10	7.6	Bottom	3	2	21.08	8.06	30.12	87.3	6.52	8.4	8.1

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	2017-12-18	Mid-Ebb	Sunny	IS5	12:10	1.0	Surface	1	1	18.16	8.12	29.60	93.40	7.39	5.5	5.2
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	1.0	Surface	1	2	18.17	8.11	29.59	93.70	7.40	5.6	6.6
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	4.2	Middle	2	1	18.13	8.11	29.63	93.30	7.38	5.6	5.7
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	4.2	Middle	2	2	18.15	8.11	29.61	93.60	7.40	5.6	5.7
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	7.3	Bottom	3	1	18.15	8.12	29.62	93.40	7.39	5.7	5.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	7.3	Bottom	3	2	18.15	8.11	29.61	93.70	7.41	5.8	6.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)6	12:17	1.0	Surface	1	1	18.15	8.12	29.67	95.00	7.50	6.6	5.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)6	12:17	1.0	Surface	1	2	18.16	8.12	29.66	95.20	7.53	6.5	6.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)6	12:17	2.3	Bottom	3	1	18.15	8.12	29.68	94.90	7.50	7.0	5.4
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)6	12:17	2.3	Bottom	3	2	18.17	8.12	29.67	95.50	7.54	6.8	6.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS7	12:26	1.0	Surface	1	1	18.41	8.13	29.80	95.40	7.50	7.1	8.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS7	12:27	1.0	Surface	1	2	18.40	8.13	29.81	95.40	7.49	7.2	8.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS7	12:26	2.3	Bottom	3	1	18.39	8.13	29.80	95.40	7.50	7.2	7.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS7	12:26	2.3	Bottom	3	2	18.42	8.13	29.80	95.40	7.49	7.2	8.2
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS8	13:02	1.0	Surface	1	1	19.37	8.09	29.90	92.40	7.13	12.0	10.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS8	13:02	1.0	Surface	1	2	19.30	8.09	29.94	91.70	7.08	12.1	9.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS8	13:02	3.2	Bottom	3	1	19.26	8.09	29.92	92.50	7.15	12.3	9.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS8	13:02	3.2	Bottom	3	2	19.28	8.09	29.93	92.00	7.11	12.2	11.2
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)9	12:42	1.0	Surface	1	1	19.22	8.09	29.89	91.60	7.08	8.0	7.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)9	12:41	1.0	Surface	1	2	19.17	8.09	29.90	91.70	7.10	8.1	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)9	12:41	2.7	Bottom	3	1	18.98	8.09	29.92	91.40	7.10	8.5	8.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)9	12:41	2.7	Bottom	3	2	19.13	8.09	29.87	91.40	7.08	8.4	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:44	1.0	Surface	1	1	19.48	8.16	32.99	96.60	7.31	4.3	5.7
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:45	1.0	Surface	1	2	19.47	8.16	32.99	97.00	7.34	4.2	4.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:45	5.7	Middle	2	1	19.45	8.16	32.98	96.50	7.30	4.4	9.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:44	5.7	Middle	2	2	19.46	8.17	32.99	96.00	7.26	4.5	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:44	10.4	Bottom	3	1	19.45	8.17	32.97	95.90	7.25	4.7	10.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:45	10.4	Bottom	3	2	19.46	8.16	32.97	95.80	7.24	4.8	11.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR3(N)	12:01	1.0	Surface	1	1	18.13	8.11	29.85	93.20	7.36	4.9	6.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR3(N)	12:01	1.0	Surface	1	2	18.14	8.11	29.81	93.30	7.37	4.8	4.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR3(N)	12:01	2.5	Bottom	3	1	18.14	8.11	29.83	93.30	7.36	5.0	8.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR3(N)	12:01	2.5	Bottom	3	2	18.08	8.10	29.91	93.20	7.36	5.1	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR4(N)	12:54	1.0	Surface	1	1	19.30	8.10	29.83	92.80	7.17	5.0	8.6
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR4(N)	12:55	1.0	Surface	1	2	19.30	8.10	29.84	92.70	7.16	4.9	7.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR4(N)	12:54	2.6	Bottom	3	1	19.30	8.10	29.85	92.70	7.16	5.0	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR4(N)	12:54	2.6	Bottom	3	2	19.30	8.10	29.83	92.90	7.18	5.1	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:34	1.0	Surface	1	1	19.48	8.18	32.99	102.40	7.75	3.0	7.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:33	1.0	Surface	1	2	19.47	8.19	32.99	103.90	7.86	2.9	7.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:34	4.4	Middle	2	1	19.46	8.18	32.98	100.10	7.57	3.3	6.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:33	4.4	Middle	2	2	19.45	8.20	32.98	101.40	7.66	3.1	6.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:34	7.7	Bottom	3	1	19.46	8.19	32.97	98.70	7.46	3.5	6.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:33	7.7	Bottom	3	2	19.45	8.21	32.97	99.20	7.50	3.4	6.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	1.0	Surface	1	1	19.69	8.16	33.04	97.30	7.32	4.2	6.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:34	1.0	Surface	1	2	19.71	8.15	33.05	98.00	7.38	4.2	7.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	6.9	Middle	2	1	19.70	8.16	33.05	96.80	7.29	4.5	6.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	6.9	Middle	2	2	19.69	8.17	33.04	96.20	7.24	4.6	6.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	12.8	Bottom	3	1	19.70	8.16	33.04	95.80	7.21	4.8	9.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	12.8	Bottom	3	2	19.69	8.17	33.04	95.60	7.19	4.7	8.2
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	1.0	Surface	1	1	19.71	8.14	33.04	94.70	7.13	4.1	9.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	1.0	Surface	1	2	19.70	8.13	33.04	94.90	7.14	4.2	8.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	3.8	Middle	2	1	19.70	8.13	33.04	94.80	7.13	4.4	7.6
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	3.8	Middle	2	2	19.71	8.14	33.04	94.60	7.12	4.3	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	6.6	Bottom	3	1	19.71	8.14	33.04	94.40	7.10	4.6	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	6.6	Bottom	3	2	19.71	8.14	33.04	94.40	7.10	4.5	8.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:33	1.0	Surface	1	1	18.61	8.19	33.19	105.40	8.11	17.1	24.4
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:34	1.0	Surface	1	2	18.62	8.19	33.19	106.70	8.19	17.2	24.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:34	4.1	Middle	2	1	18.62	8.19	33.18	104.70	8.05	17.4	25.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:33	4.1	Middle	2	2	18.63	8.18	33.18	103.90	7.97	17.3	25.4
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:33	7.2	Bottom	3	1	18.62	8.17	33.18	102.10	7.83	17.5	25.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:33	7.2	Bottom	3	2	18.62	8.19	33.19	103.00	7.90	17.6	25.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:27	1.0	Surface	1	1	19.87	8.12	29.96	92.20	7.04	3.1	6.4
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	1.0	Surface	1	2	19.87	8.11	29.95	92.30	7.05	3.2	6.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	6.2	Middle	2	1	19.81	8.12	29.98	92.10	7.04	3.5	5.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	6.2	Middle	2	2	19.84	8.12	29.98	92.00	7.03	3.4	4.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	11.3	Bottom	3	1	19.84	8.12	29.98	92.00	7.03	3.6	5.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	11.3	Bottom	3	2	19.82	8.12	29.97	92.10	7.04	3.7	5.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	1.0	Surface	1	1	18.05	8.07	29.99	93.00	7.35	6.5	7.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:09	1.0	Surface	1	2	18.05	8.07	30.00	92.60	7.32	6.5	7.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	4.2	Middle	2	1	18.05	8.07	30.02	92.70	7.32	6.5	8.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	4.2	Middle	2	2	18.05	8.06	30.01	92.90	7.34	6.5	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	7.4	Bottom	3	1	18.05	8.06	30.01	93.10	7.35	6.6	10.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	7.4	Bottom	3	2	18.05	8.07	30.03	92.80	7.33	6.5	10.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)6	8:00	1.0	Surface	1	1	17.86	8.07	30.06	94.10	7.46	8.2	12.0
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)6	8:00	1.0	Surface	1	2	17.86	8.07	30.07	93.70	7.43	8.1	12.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)6	8:00	2.5	Bottom	3	1	17.86	8.07	30.06	94.40	7.48	8.2	13.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)6	8:00	2.5	Bottom	3	2	17.86	8.07	30.07	93.80	7.44	8.1	13.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS7	7:51	1.0	Surface	1	1	17.98	8.08	30.15	92.00	7.28	7.6	11.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS7	7:51	1.0	Surface	1	2	17.96	8.08	30.16	92.10	7.29	7.7	10.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS7	7:51	2.6	Bottom	3	1	17.98	8.08	30.16	92.10	7.28	7.9	10.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS7	7:51	2.6	Bottom	3	2	17.97	8.08	30.16	92.10	7.28	7.8	11.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS8	7:17	1.0	Surface	1	1	18.62	8.02	29.71	94.60	7.41	21.5	26.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS8	7:18	1.0	Surface	1	2	18.63	8.03	29.74	93.60	7.33	21.4	26.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS8	7:17	3.1	Bottom	3	1	18.62	8.02	29.71	95.40	7.47	21.7	29.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS8	7:17	3.1	Bottom	3	2	18.62	8.02	29.73	94.00	7.36	21.8	30.1

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	2017-12-18	Mid-Flood	Sunny	IS(Mf)9	7:42	1.0	Surface	1	1	18.37	8.08	30.08	92.80	7.29	13.2	13.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)9	7:42	1.0	Surface	1	2	18.36	8.08	30.07	92.90	7.30	13.4	14.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)9	7:42	2.8	Bottom	3	1	18.37	8.08	30.09	92.80	7.29	13.5	15.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)9	7:42	2.8	Bottom	3	2	18.35	8.08	30.07	92.90	7.30	13.6	14.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	1.0	Surface	1	1	18.86	8.09	32.99	106.00	8.11	6.1	10.0
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	1.0	Surface	1	2	18.88	8.10	33.02	105.50	8.06	6.1	9.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	5.8	Middle	2	1	18.87	8.09	32.98	102.00	7.80	6.2	11.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	5.8	Middle	2	2	18.88	8.10	33.01	103.90	7.95	6.3	9.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	10.5	Bottom	3	1	18.88	8.09	33.00	99.50	7.60	6.5	13.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	10.5	Bottom	3	2	18.87	8.10	33.00	100.50	7.68	6.6	14.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR3(N)	8:16	1.0	Surface	1	1	18.02	8.08	27.98	91.90	7.35	5.9	5.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR3(N)	8:17	1.0	Surface	1	2	18.08	8.07	29.88	92.60	7.32	5.8	4.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR3(N)	8:17	2.9	Bottom	3	1	18.02	8.06	30.05	92.40	7.30	5.9	5.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR3(N)	8:16	2.9	Bottom	3	2	18.09	8.07	29.94	93.30	7.37	6.0	6.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR4(N)	7:27	1.0	Surface	1	1	19.02	8.01	29.98	92.30	7.16	6.7	10.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR4(N)	7:27	1.0	Surface	1	2	19.00	8.00	29.94	93.20	7.24	6.7	10.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR4(N)	7:27	2.9	Bottom	3	1	19.01	8.00	29.97	92.70	7.20	6.9	10.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR4(N)	7:27	2.9	Bottom	3	2	18.99	8.00	29.93	94.20	7.31	6.8	11.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	1.0	Surface	1	1	18.84	8.12	32.99	97.00	7.42	6.3	11.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	1.0	Surface	1	2	18.83	8.13	32.99	96.80	7.40	6.2	11.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	4.4	Middle	2	1	18.82	8.13	32.98	96.40	7.38	6.6	11.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	4.4	Middle	2	2	18.85	8.12	33.01	96.60	7.39	6.5	10.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	7.7	Bottom	3	1	18.82	8.13	32.97	96.30	7.37	6.7	11.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	7.7	Bottom	3	2	18.84	8.12	32.98	96.40	7.37	6.8	11.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	1.0	Surface	1	1	19.83	8.20	33.20	99.50	7.46	1.7	7.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	1.0	Surface	1	2	19.83	8.16	33.20	98.70	7.40	1.7	7.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	6.9	Middle	2	1	19.83	8.18	33.20	98.30	7.37	1.9	7.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	6.9	Middle	2	2	19.83	8.16	33.20	97.60	7.32	2.0	7.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:38	12.8	Bottom	3	1	19.82	8.14	33.21	96.40	7.23	2.3	7.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	12.8	Bottom	3	2	19.82	8.17	33.21	97.30	7.29	2.2	8.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	1.0	Surface	1	1	19.82	8.10	33.21	108.60	8.12	1.6	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	1.0	Surface	1	2	19.81	8.08	33.20	109.00	8.18	1.7	8.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	3.9	Middle	2	1	19.82	8.07	33.19	106.30	7.98	1.9	9.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	3.9	Middle	2	2	19.82	8.09	33.21	106.70	8.03	1.9	9.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	6.7	Bottom	3	1	19.82	8.06	33.10	104.00	7.80	2.2	11.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	6.7	Bottom	3	2	19.81	8.09	33.21	104.90	7.87	2.1	11.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:33	1.0	Surface	1	1	18.22	8.19	32.64	106.40	8.24	13.2	19.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:32	1.0	Surface	1	2	18.23	8.20	32.64	106.60	8.26	13.1	20.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:33	4.1	Middle	2	1	18.23	8.20	32.64	105.20	8.21	13.3	21.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:32	4.1	Middle	2	2	18.25	8.20	32.64	104.60	8.11	13.3	20.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:32	7.2	Bottom	3	1	18.22	8.20	32.65	103.10	8.00	13.6	23.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:32	7.2	Bottom	3	2	18.26	8.20	32.64	102.40	7.94	13.5	24.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	1.0	Surface	1	1	19.40	8.02	30.05	92.80	7.14	8.0	12.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	1.0	Surface	1	2	19.38	8.01	30.18	93.20	7.18	8.1	11.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	6.3	Middle	2	1	19.38	8.01	30.28	93.40	7.19	8.3	11.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	6.3	Middle	2	2	19.40	8.02	30.11	92.90	7.15	8.2	13.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	11.5	Bottom	3	1	19.39	8.02	30.17	92.90	7.15	8.5	14.4
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	11.5	Bottom	3	2	19.39	8.00	30.39	93.60	7.20	8.6	15.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:10	1.0	Surface	1	1	18.16	8.12	29.60	93.40	7.39	5.5	5.2
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	1.0	Surface	1	2	18.17	8.11	29.59	93.70	7.40	5.6	6.6
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	4.2	Middle	2	1	18.13	8.11	29.63	93.30	7.38	5.6	5.7
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	4.2	Middle	2	2	18.15	8.11	29.61	93.60	7.40	5.6	5.7
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	7.3	Bottom	3	1	18.15	8.12	29.62	93.40	7.39	5.7	5.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS5	12:09	7.3	Bottom	3	2	18.15	8.11	29.61	93.70	7.41	5.8	6.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)6	12:17	1.0	Surface	1	1	18.15	8.12	29.67	95.00	7.50	6.6	5.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)6	12:17	1.0	Surface	1	2	18.16	8.12	29.66	95.20	7.53	6.5	6.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)6	12:17	2.3	Bottom	3	1	18.15	8.12	29.68	94.90	7.50	7.0	5.4
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)6	12:17	2.3	Bottom	3	2	18.17	8.12	29.67	95.50	7.54	6.8	6.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS7	12:26	1.0	Surface	1	1	18.41	8.13	29.80	95.40	7.50	7.1	8.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS7	12:27	1.0	Surface	1	2	18.40	8.13	29.81	95.40	7.49	7.2	8.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS7	12:26	2.3	Bottom	3	1	18.39	8.13	29.80	95.40	7.50	7.2	7.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS7	12:26	2.3	Bottom	3	2	18.42	8.13	29.80	95.40	7.49	7.2	8.2
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS8	13:02	1.0	Surface	1	1	19.37	8.09	29.90	92.40	7.13	12.0	10.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS8	13:02	1.0	Surface	1	2	19.30	8.09	29.94	91.70	7.08	12.1	9.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS8	13:02	3.2	Bottom	3	1	19.26	8.09	29.92	92.50	7.15	12.3	9.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS8	13:02	3.2	Bottom	3	2	19.28	8.09	29.93	92.00	7.11	12.2	11.2
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)9	12:42	1.0	Surface	1	1	19.22	8.09	29.89	91.60	7.08	8.0	7.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)9	12:41	1.0	Surface	1	2	19.17	8.09	29.90	91.70	7.10	8.1	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)9	12:41	2.7	Bottom	3	1	18.98	8.09	29.92	91.40	7.10	8.5	8.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS(Mf)9	12:41	2.7	Bottom	3	2	19.13	8.09	29.87	91.40	7.08	8.4	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:44	1.0	Surface	1	1	19.48	8.16	32.99	96.60	7.31	4.3	5.7
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:45	1.0	Surface	1	2	19.47	8.16	32.99	97.00	7.34	4.2	4.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:45	5.7	Middle	2	1	19.45	8.16	32.98	96.50	7.30	4.4	9.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:44	5.7	Middle	2	2	19.46	8.17	32.99	96.00	7.26	4.5	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:44	10.4	Bottom	3	1	19.45	8.17	32.97	95.90	7.25	4.7	10.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	IS10(N)	12:45	10.4	Bottom	3	2	19.46	8.16	32.97	95.80	7.24	4.8	11.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR3(N)	12:01	1.0	Surface	1	1	18.13	8.11	29.85	93.20	7.36	4.9	6.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR3(N)	12:01	1.0	Surface	1	2	18.14	8.11	29.81	93.30	7.37	4.8	4.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR3(N)	12:01	2.5	Bottom	3	1	18.14	8.11	29.83	93.30	7.36	5.0	8.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR3(N)	12:01	2.5	Bottom	3	2	18.08	8.10	29.91	93.20	7.36	5.1	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR4(N)	12:54	1.0	Surface	1	1	19.30	8.10	29.83	92.80	7.17	5.0	8.6
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR4(N)	12:55	1.0	Surface	1	2	19.30	8.10	29.84	92.70	7.16	4.9	7.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR4(N)	12:54	2.6	Bottom	3	1	19.30	8.10	29.85	92.70	7.16	5.0	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR4(N)	12:54	2.6	Bottom	3	2	19.30	8.10	29.83	92.90	7.18	5.1	8.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:34	1.0	Surface	1	1	19.48	8.18	32.99	102.40	7.75	3.0	7.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:33	1.0	Surface	1	2	19.47	8.19	32.99	103.90	7.86	2.9	7.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:34	4.4	Middle	2	1	19.46	8.18	32.98	100.10	7.57	3.3	6.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:33	4.4	Middle	2	2	19.45	8.20	32.98	101.40	7.66	3.1	6.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:34	7.7	Bottom	3	1	19.46	8.19	32.97	98.70	7.46	3.5	6.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR5(N)	12:33	7.7	Bottom	3	2	19.45	8.21	32.97	99.20	7.50	3.4	6.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	1.0	Surface	1	1	19.69	8.16	33.04	97.30	7.32	4.2	6.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:34	1.0	Surface	1	2	19.71	8.15	33.05	98.00	7.38	4.2	7.0
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	6.9	Middle	2	1	19.70	8.16	33.05	96.80	7.29	4.5	6.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	6.9	Middle	2	2	19.69	8.17	33.04	96.20	7.24	4.6	6.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	12.8	Bottom	3	1	19.70	8.16	33.04	95.80	7.21	4.8	9.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10A(N)	13:33	12.8	Bottom	3	2	19.69	8.17	33.04	95.60	7.19	4.7	8.2
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	1.0	Surface	1	1	19.71	8.14	33.04	94.70	7.13	4.1	9.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	1.0	Surface	1	2	19.70	8.13	33.04	94.90	7.14	4.2	8.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	3.8	Middle	2	1	19.70	8.13	33.04	94.80	7.13	4.4	7.6
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	3.8	Middle	2	2	19.71	8.14	33.04	94.60	7.12	4.3	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	6.6	Bottom	3	1	19.71	8.14	33.04	94.40	7.10	4.6	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	SR10B(N2)	13:44	6.6	Bottom	3	2	19.71	8.14	33.04	94.40	7.10	4.5	8.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:33	1.0	Surface	1	1	18.61	8.19	33.19	105.40	8.11	17.1	24.4
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:34	1.0	Surface	1	2	18.62	8.19	33.19	106.70	8.19	17.2	24.5
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:34	4.1	Middle	2	1	18.62	8.19	33.18	104.70	8.05	17.4	25.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:33	4.1	Middle	2	2	18.63	8.18	33.18	103.90	7.97	17.3	25.4
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:33	7.2	Bottom	3	1	18.62	8.17	33.18	102.10	7.83	17.5	25.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS2(A)	11:33	7.2	Bottom	3	2	18.62	8.19	33.19	103.00	7.90	17.6	25.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:27	1.0	Surface	1	1	19.87	8.12	29.96	92.20	7.04	3.1	6.4
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	1.0	Surface	1	2	19.87	8.11	29.95	92.30	7.05	3.2	6.3
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	6.2	Middle	2	1	19.81	8.12	29.98	92.10	7.04	3.5	5.1
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	6.2	Middle	2	2	19.84	8.12	29.98	92.00	7.03	3.4	4.8
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	11.3	Bottom	3	1	19.84	8.12	29.98	92.00	7.03	3.6	5.9
HKLR	HY/2011/03	2017-12-18	Mid-Ebb	Sunny	CS(Mf)5	13:26	11.3	Bottom	3	2	19.82	8.12	29.97	92.10	7.04	3.7	5.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	1.0	Surface	1	1	18.05	8.07	29.99	93.00	7.35	6.5	7.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:09	1.0	Surface	1	2	18.05	8.07	30.00	92.60	7.32	6.5	7.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	4.2	Middle	2	1	18.05	8.07	30.02	92.70	7.32	6.5	8.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	4.2	Middle	2	2	18.05	8.06	30.01	92.90	7.34	6.5	7.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	7.4	Bottom	3	1	18.05	8.06	30.01	93.10	7.35	6.6	10.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS5	8:08	7.4	Bottom	3	2	18.05	8.07	30.03	92.80	7.33	6.5	10.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)6	8:00	1.0	Surface	1	1	17.86	8.07	30.06	94.10	7.46	8.2	12.0
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)6	8:00	1.0	Surface	1	2	17.86	8.07	30.07	93.70	7.43	8.1	12.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)6	8:00	2.5	Bottom	3	1	17.86	8.07	30.06	94.40	7.48	8.2	13.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)6	8:00	2.5	Bottom	3	2	17.86	8.07	30.07	93.80	7.44	8.1	13.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS7	7:51	1.0	Surface	1	1	17.98	8.08	30.15	92.00	7.28	7.6	11.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS7	7:51	1.0	Surface	1	2	17.96	8.08	30.16	92.10	7.29	7.7	10.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS7	7:51	2.6	Bottom	3	1	17.98	8.08	30.16	92.10	7.28	7.9	10.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS7	7:51	2.6	Bottom	3	2	17.97	8.08	30.16	92.10	7.28	7.8	11.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS8	7:17	1.0	Surface	1	1	18.62	8.02	29.71	94.60	7.41	21.5	26.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS8	7:18	1.0	Surface	1	2	18.63	8.03	29.74	93.60	7.33	21.4	26.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS8	7:17	3.1	Bottom	3	1	18.62	8.02	29.71	95.40	7.47	21.7	29.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS8	7:17	3.1	Bottom	3	2	18.62	8.02	29.73	94.00	7.36	21.8	30.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)9	7:42	1.0	Surface	1	1	18.37	8.08	30.08	92.80	7.29	13.2	13.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)9	7:42	1.0	Surface	1	2	18.36	8.08	30.07	92.90	7.30	13.4	14.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)9	7:42	2.8	Bottom	3	1	18.37	8.08	30.09	92.80	7.29	13.5	15.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS(Mf)9	7:42	2.8	Bottom	3	2	18.35	8.08	30.07	92.90	7.30	13.6	14.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	1.0	Surface	1	1	18.86	8.09	32.99	106.00	8.11	6.1	10.0
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	1.0	Surface	1	2	18.88	8.10	33.02	105.50	8.06	6.1	9.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	5.8	Middle	2	1	18.87	8.09	32.98	102.00	7.80	6.2	11.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	5.8	Middle	2	2	18.88	8.10	33.01	103.90	7.95	6.3	9.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	10.5	Bottom	3	1	18.88	8.09	33.00	99.50	7.60	6.5	13.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	IS10(N)	7:26	10.5	Bottom	3	2	18.87	8.10	33.00	100.50	7.68	6.6	14.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR3(N)	8:16	1.0	Surface	1	1	18.02	8.08	27.98	91.90	7.35	5.9	5.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR3(N)	8:17	1.0	Surface	1	2	18.08	8.07	29.88	92.60	7.32	5.8	4.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR3(N)	8:17	2.9	Bottom	3	1	18.02	8.06	30.05	92.40	7.30	5.9	5.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR3(N)	8:16	2.9	Bottom	3	2	18.09	8.07	29.94	93.30	7.37	6.0	6.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR4(N)	7:27	1.0	Surface	1	1	19.02	8.01	29.98	92.30	7.16	6.7	10.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR4(N)	7:27	1.0	Surface	1	2	19.00	8.00	29.94	93.20	7.24	6.7	10.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR4(N)	7:27	2.9	Bottom	3	1	19.01	8.00	29.97	92.70	7.20	6.9	10.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR4(N)	7:27	2.9	Bottom	3	2	18.99	8.00	29.93	94.20	7.31	6.8	11.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	1.0	Surface	1	1	18.84	8.12	32.99	97.00	7.42	6.3	11.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	1.0	Surface	1	2	18.83	8.13	32.99	96.80	7.40	6.2	11.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	4.4	Middle	2	1	18.82	8.13	32.98	96.40	7.38	6.6	11.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	4.4	Middle	2	2	18.85	8.12	33.01	96.60	7.39	6.5	10.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	7.7	Bottom	3	1	18.82	8.13	32.97	96.30	7.37	6.7	11.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR5(N)	7:40	7.7	Bottom	3	2	18.84	8.12	32.98	96.40	7.37	6.8	11.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	1.0	Surface	1	1	19.83	8.20	33.20	99.50	7.46	1.7	7.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	1.0	Surface	1	2	19.83	8.16	33.20	98.70	7.40	1.7	7.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	6.9	Middle	2	1	19.83	8.18	33.20	98.30	7.37	1.9	7.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	6.9	Middle	2	2	19.83	8.16	33.20	97.60	7.32	2.0	7.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:38	12.8	Bottom	3	1	19.82	8.14	33.21	96.40	7.23	2.3	7.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10A(N)	6:39	12.8	Bottom	3	2	19.82	8.17	33.21	97.30	7.29	2.2	8.3
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	1.0	Surface	1	1	19.82	8.10	33.21	108.60	8.12	1.6	8.0
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	1.0	Surface	1	2	19.81	8.08	33.20	109.00	8.18	1.7	8.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	3.9	Middle	2	1	19.82	8.07	33.19	106.30	7.98	1.9	9.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	3.9	Middle	2	2	19.82	8.09	33.21	106.70	8.03	1.9	9.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	6.7	Bottom	3	1	19.82	8.06	33.10	104.00	7.80	2.2	11.7
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	SR10B(N2)	6:24	6.7	Bottom	3	2	19.81	8.09	33.21	104.90	7.87	2.1	11.8

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	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:33	1.0	Surface	1	1	18.22	8.19	32.64	106.40	8.24	13.2	19.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:32	1.0	Surface	1	2	18.23	8.20	32.64	106.60	8.26	13.1	20.8
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:33	4.1	Middle	2	1	18.23	8.20	32.64	105.20	8.21	13.3	21.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:32	4.1	Middle	2	2	18.25	8.20	32.64	104.60	8.11	13.3	20.2
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:32	7.2	Bottom	3	1	18.22	8.20	32.65	103.10	8.00	13.6	23.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS2(A)	8:32	7.2	Bottom	3	2	18.26	8.20	32.64	102.40	7.94	13.5	24.1
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	1.0	Surface	1	1	19.40	8.02	30.05	92.80	7.14	8.0	12.5
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	1.0	Surface	1	2	19.38	8.01	30.18	93.20	7.18	8.1	11.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	6.3	Middle	2	1	19.38	8.01	30.28	93.40	7.19	8.3	11.9
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	6.3	Middle	2	2	19.40	8.02	30.11	92.90	7.15	8.2	13.6
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	11.5	Bottom	3	1	19.39	8.02	30.17	92.90	7.15	8.5	14.4
HKLR	HY/2011/03	2017-12-18	Mid-Flood	Sunny	CS(Mf)5	6:51	11.5	Bottom	3	2	19.39	8.00	30.39	93.60	7.20	8.6	15.1
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS5	13:19	1.0	Surface	1	1	17.57	8.11	29.02	94.40	7.58	6.3	4.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS5	13:20	1.0	Surface	1	2	17.58	8.11	29.04	94.20	7.56	6.3	3.7
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS5	13:20	4.3	Middle	2	1	17.53	8.11	29.11	94.10	7.55	6.5	3.6
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS5	13:19	4.3	Middle	2	2	17.53	8.11	29.10	94.20	7.56	6.4	4.0
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS5	13:20	7.5	Bottom	3	1	17.54	8.11	29.11	94.20	7.56	6.6	3.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS5	13:19	7.5	Bottom	3	2	17.52	8.11	29.14	94.30	7.57	6.5	4.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS(Mf)6	13:29	1.0	Surface	1	1	18.03	8.13	29.04	96.70	7.69	7.3	7.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS(Mf)6	13:28	1.0	Surface	1	2	17.99	8.13	29.05	96.80	7.70	7.4	8.7
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS(Mf)6	13:28	2.5	Bottom	3	1	18.01	8.13	29.02	96.90	7.71	7.6	11.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS(Mf)6	13:28	2.5	Bottom	3	2	18.00	8.13	29.04	96.70	7.69	7.5	12.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS7	13:36	1.0	Surface	1	1	18.02	8.13	29.05	97.50	7.75	7.0	10.2
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS7	13:36	1.0	Surface	1	2	18.05	8.13	29.04	97.80	7.77	6.9	9.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS7	13:36	2.6	Bottom	3	1	18.05	8.13	29.02	97.80	7.78	7.0	10.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS7	13:36	2.6	Bottom	3	2	18.05	8.13	29.04	97.60	7.75	7.0	10.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS8	14:02	1.0	Surface	1	1	18.42	8.16	29.13	97.60	7.70	7.6	12.2
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS8	14:03	1.0	Surface	1	2	18.39	8.17	29.14	97.40	7.69	7.6	13.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS8	14:03	2.8	Bottom	3	1	18.40	8.17	29.16	97.40	7.69	7.6	17.2
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS8	14:02	2.8	Bottom	3	2	18.42	8.16	29.15	97.80	7.72	7.7	16.3
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS(Mf)9	13:44	1.0	Surface	1	1	18.50	8.15	29.05	96.00	7.57	7.0	6.9
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS(Mf)9	13:44	1.0	Surface	1	2	18.49	8.15	29.05	96.40	7.60	7.1	7.1
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS(Mf)9	13:44	2.8	Bottom	3	1	18.50	8.15	29.05	96.10	7.58	7.2	8.1
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS(Mf)9	13:44	2.8	Bottom	3	2	18.49	8.15	29.04	96.60	7.61	7.3	8.6
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS10(N)	14:21	1.0	Surface	1	1	18.63	8.25	33.11	100.80	7.78	2.1	7.2
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS10(N)	14:22	1.0	Surface	1	2	18.64	8.25	33.10	97.20	7.47	2.1	7.4
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS10(N)	14:20	5.5	Middle	2	1	18.59	8.25	33.11	99.20	7.62	2.3	7.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS10(N)	14:21	5.5	Middle	2	2	18.49	8.25	33.11	97.00	7.46	2.5	6.1
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS10(N)	14:20	9.9	Bottom	3	1	18.33	8.26	33.11	98.80	7.58	4.3	8.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	IS10(N)	14:21	9.9	Bottom	3	2	18.32	8.25	33.11	96.80	7.46	4.5	10.2
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR3(N)	13:10	1.0	Surface	1	1	17.57	8.12	28.22	97.40	7.86	6.6	7.4
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR3(N)	13:09	1.0	Surface	1	2	17.60	8.12	28.14	97.80	7.88	6.4	8.1
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR3(N)	13:09	2.6	Bottom	3	1	17.55	8.13	28.10	97.90	7.90	6.6	8.9
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR3(N)	13:09	2.6	Bottom	3	2	17.55	8.12	28.18	97.40	7.86	6.8	8.7
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR4(N)	13:55	1.0	Surface	1	1	18.56	8.14	29.06	96.50	7.59	8.8	11.3
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR4(N)	13:55	1.0	Surface	1	2	18.57	8.14	29.05	96.70	7.61	8.9	10.4
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR4(N)	13:55	2.8	Bottom	3	1	18.57	8.14	29.06	96.80	7.62	9.1	14.9
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR4(N)	13:55	2.8	Bottom	3	2	18.56	8.14	29.07	96.50	7.60	9.0	14.6
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR5(N)	14:06	1.0	Surface	1	1	18.83	8.25	33.10	96.90	7.41	2.3	12.9
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR5(N)	14:07	1.0	Surface	1	2	18.82	8.25	33.10	96.60	7.39	2.2	13.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR5(N)	14:07	3.9	Middle	2	1	18.60	8.25	33.13	96.10	7.37	3.7	13.3
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR5(N)	14:06	3.9	Middle	2	2	18.55	8.26	33.13	96.40	7.40	3.9	12.9
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR5(N)	14:06	6.8	Bottom	3	1	18.46	8.26	33.12	96.20	7.40	3.8	14.7
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR5(N)	14:07	6.8	Bottom	3	2	18.46	8.26	33.11	95.70	7.37	3.8	13.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10A(N)	15:14	1.0	Surface	1	1	18.97	8.26	32.96	108.70	8.30	3.5	10.9
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10A(N)	15:14	1.0	Surface	1	2	18.96	8.26	32.97	106.20	8.10	3.4	11.4
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10A(N)	15:14	5.9	Middle	2	1	18.96	8.26	32.96	99.20	7.57	3.6	11.4
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10A(N)	15:14	5.9	Middle	2	2	18.96	8.26	32.96	103.90	7.93	3.4	11.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10A(N)	15:13	10.7	Bottom	3	1	18.96	8.26	32.96	100.60	7.68	3.5	11.4
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10A(N)	15:14	10.7	Bottom	3	2	18.96	8.26	32.96	98.50	7.52	3.5	10.4
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10B(N2)	15:22	1.0	Surface	1	1	18.96	8.25	32.97	103.70	7.92	6.0	8.1
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10B(N2)	15:23	1.0	Surface	1	2	18.96	8.24	32.97	97.60	7.45	5.7	8.7
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10B(N2)	15:22	3.3	Middle	2	1	18.96	8.24	32.97	96.30	7.35	5.7	7.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10B(N2)	15:22	3.3	Middle	2	2	18.95	8.25	32.97	101.10	7.72	5.9	8.4
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10B(N2)	15:22	5.6	Bottom	3	1	18.94	8.25	32.97	99.00	7.56	5.8	14.9
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	SR10B(N2)	15:22	5.6	Bottom	3	2	18.96	8.24	32.97	96.00	7.33	5.7	15.3
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS2(A)	12:47	1.0	Surface	1	1	18.88	8.25	33.09	100.70	7.75	8.5	4.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS2(A)	12:47	1.0	Surface	1	2	18.85	8.25	33.09	97.80	7.51	8.5	5.0
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS2(A)	12:46	3.7	Middle	2	1	18.71	8.25	33.13	100.10	7.67	8.9	9.6
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS2(A)	12:47	3.7	Middle	2	2	18.77	8.25	33.10	97.90	7.49	8.5	9.2
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS2(A)	12:46	6.3	Bottom	3	1	18.48	8.24	33.13	99.40	7.59	8.8	13.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS2(A)	12:47	6.3	Bottom	3	2	18.53	8.25	33.11	97.90	7.48	8.7	13.6
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS(Mf)5	14:35	1.0	Surface	1	1	19.02	8.14	29.05	94.10	7.34	3.5	6.3
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS(Mf)5	14:35	1.0	Surface	1	2	19.03	8.14	29.05	93.80	7.32	3.5	5.8
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS(Mf)5	14:35	6.2	Middle	2	1	18.99	8.14	29.15	93.70	7.31	3.6	7.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS(Mf)5	14:34	6.2	Middle	2	2	19.01	8.13	29.11	94.10	7.34	3.6	7.5
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS(Mf)5	14:34	11.3	Bottom	3	1	18.99	8.13	29.14	94.10	7.34	3.7	6.9
HKLR	HY/2011/03	2017-12-20	Mid-Ebb	Sunny	CS(Mf)5	14:35	11.3	Bottom	3	2	18.98	8.14	29.16	93.70	7.31	3.7	7.1
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS5	9:25	1.0	Surface	1	1	17.41	8.07	29.74	93.90	7.53	7.8	10.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS5	9:25	1.0	Surface	1	2	17.41	8.07	29.76	93.80	7.51	7.9	10.3
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS5	9:25	4.2	Middle	2	1	17.41	8.07	29.74	94.00	7.53	7.9	10.9
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS5	9:25	4.2	Middle	2	2	17.42	8.07	29.76	93.60	7.50	8.0	11.9
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS5	9:24	7.3	Bottom	3	1	17.41	8.07	29.74	94.00	7.53	9.1	11.2
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS5	9:25	7.3	Bottom	3	2	17.41	8.07	29.76	93.70	7.51	8.1	11.2

Water Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS(Mf)6	9:16	1.0	Surface	1	1	17.39	8.06	29.73	95.80	7.68	8.0	14.9
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS(Mf)6	9:16	1.0	Surface	1	2	17.40	8.06	29.74	95.40	7.65	8.1	14.2
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS(Mf)6	9:16	2.4	Bottom	3	1	17.39	8.06	29.73	96.00	7.70	8.3	13.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS(Mf)6	9:16	2.4	Bottom	3	2	17.40	8.06	29.74	95.70	7.67	8.3	13.3
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS7	9:05	1.0	Surface	1	1	17.58	8.05	29.66	94.20	7.53	8.3	12.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS7	9:04	1.0	Surface	1	2	17.59	8.05	29.64	94.40	7.54	8.2	13.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS7	9:04	2.5	Bottom	3	1	17.59	8.05	29.65	94.20	7.53	8.4	14.0
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS7	9:04	2.5	Bottom	3	2	17.59	8.04	29.62	94.50	7.55	8.4	13.4
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS8	8:35	1.0	Surface	1	1	18.18	8.05	29.36	95.90	7.58	6.2	12.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS8	8:36	1.0	Surface	1	2	18.18	8.05	29.38	95.40	7.55	6.1	11.6
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS8	8:35	2.8	Bottom	3	1	18.18	8.05	29.37	95.70	7.57	6.3	19.2
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS8	8:35	2.8	Bottom	3	2	18.18	8.05	29.35	96.20	7.62	6.3	19.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS(Mf)9	8:55	1.0	Surface	1	1	17.90	8.07	29.65	96.30	7.65	9.2	24.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS(Mf)9	8:55	1.0	Surface	1	2	17.90	8.07	29.66	96.10	7.64	9.1	25.9
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS(Mf)9	8:55	2.6	Bottom	3	1	17.90	8.07	29.66	96.30	7.64	9.4	27.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS(Mf)9	8:55	2.6	Bottom	3	2	17.90	8.07	29.65	96.70	7.68	9.4	26.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS10(N)	8:56	1.0	Surface	1	1	18.11	8.25	33.18	110.90	8.60	7.7	13.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS10(N)	8:55	1.0	Surface	1	2	18.11	8.25	33.18	107.60	8.34	7.9	13.1
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS10(N)	8:55	5.4	Middle	2	1	18.05	8.25	33.20	102.40	7.94	7.2	15.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS10(N)	8:56	5.4	Middle	2	2	18.05	8.25	33.20	105.80	8.19	7.2	15.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS10(N)	8:55	9.7	Bottom	3	1	18.02	8.25	33.20	101.20	7.85	8.3	18.9
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	IS10(N)	8:56	9.7	Bottom	3	2	18.04	8.25	33.20	100.70	7.80	8.7	17.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR3(N)	9:35	1.0	Surface	1	1	17.33	8.07	29.80	94.80	7.60	8.2	13.1
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR3(N)	9:34	1.0	Surface	1	2	17.32	8.07	29.79	95.30	7.65	8.2	12.1
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR3(N)	9:34	2.6	Bottom	3	1	17.31	8.06	29.78	95.60	7.67	8.4	13.6
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR3(N)	9:35	2.6	Bottom	3	2	17.32	8.07	29.79	95.10	7.63	8.3	13.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR4(N)	8:42	1.0	Surface	1	1	18.25	8.06	29.45	94.00	7.42	6.9	9.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR4(N)	8:42	1.0	Surface	1	2	18.25	8.06	29.44	94.20	7.44	6.8	9.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR4(N)	8:42	2.8	Bottom	3	1	18.25	8.06	29.44	94.40	7.46	7.0	11.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR4(N)	8:42	2.8	Bottom	3	2	18.25	8.06	29.45	94.10	7.43	7.0	11.4
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR5(N)	9:06	1.0	Surface	1	1	18.31	8.25	33.15	101.60	7.84	13.8	20.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR5(N)	9:06	1.0	Surface	1	2	18.31	8.25	33.15	108.50	8.37	13.9	20.9
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR5(N)	9:06	4.1	Middle	2	1	18.30	8.25	33.15	100.30	7.74	13.8	20.4
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR5(N)	9:06	4.1	Middle	2	2	18.29	8.25	33.14	105.60	8.15	13.8	21.8
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR5(N)	9:06	7.1	Bottom	3	1	18.32	8.25	33.15	99.50	7.68	14.1	21.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR5(N)	9:05	7.1	Bottom	3	2	18.30	8.25	33.13	104.00	8.03	13.8	22.6
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10A(N)	8:01	1.0	Surface	1	1	19.01	8.21	33.05	96.20	7.33	2.8	9.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10A(N)	8:00	1.0	Surface	1	2	19.01	8.19	33.06	103.80	7.91	2.6	9.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10A(N)	8:01	6	Middle	2	1	19.01	8.20	33.06	95.70	7.29	2.6	11.9
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10A(N)	8:00	6	Middle	2	2	19.02	8.19	33.07	100.10	7.62	2.8	11.3
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10A(N)	8:00	10.9	Bottom	3	1	19.02	8.20	33.07	95.60	7.28	2.8	11.4
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10A(N)	8:00	10.9	Bottom	3	2	19.02	8.18	33.07	98.50	7.51	2.8	12.0
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10B(N2)	7:50	1.0	Surface	1	1	18.93	8.14	33.04	104.40	7.97	5.6	16.3
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10B(N2)	7:51	1.0	Surface	1	2	18.94	8.19	33.04	112.40	8.58	5.4	16.0
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10B(N2)	7:50	3.2	Middle	2	1	18.93	8.13	33.04	102.70	7.84	5.7	16.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10B(N2)	7:51	3.2	Middle	2	2	18.94	8.18	33.04	100.00	7.63	5.5	16.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10B(N2)	7:51	5.3	Bottom	3	1	18.94	8.17	33.04	99.40	7.59	5.5	15.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	SR10B(N2)	7:50	5.3	Bottom	3	2	18.93	8.13	33.04	98.80	7.54	5.6	16.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS2(A)	10:06	1.0	Surface	1	1	17.43	8.28	33.24	108.00	8.47	21.1	29.0
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS2(A)	10:06	1.0	Surface	1	2	17.43	8.27	33.24	110.80	8.69	22.2	30.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS2(A)	10:06	3.8	Middle	2	1	17.43	8.26	33.24	105.00	8.24	21.1	32.1
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS2(A)	10:06	3.8	Middle	2	2	17.43	8.27	33.24	103.60	8.13	20.8	30.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS2(A)	10:06	6.5	Bottom	3	1	17.43	8.27	33.24	101.60	7.97	22.0	30.6
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS2(A)	10:05	6.5	Bottom	3	2	17.43	8.25	33.24	103.10	8.08	21.2	31.6
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS(Mf)5	8:13	1.0	Surface	1	1	18.67	8.02	29.19	93.10	7.31	5.9	7.5
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS(Mf)5	8:13	1.0	Surface	1	2	18.70	8.02	29.17	93.00	7.30	6.0	9.1
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS(Mf)5	8:13	6.2	Middle	2	1	18.72	8.02	29.19	93.00	7.29	6.7	10.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS(Mf)5	8:12	6.2	Middle	2	2	18.68	8.01	29.22	93.00	7.30	6.5	9.6
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS(Mf)5	8:13	11.3	Bottom	3	1	18.71	8.02	29.20	93.00	7.29	9.5	9.7
HKLR	HY/2011/03	2017-12-20	Mid-Flood	Sunny	CS(Mf)5	8:12	11.3	Bottom	3	2	18.70	8.01	29.25	93.00	7.29	9.3	9.3
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS5	14:18	1.0	Surface	1	1	17.61	8.16	29.09	97.5	7.82	5.8	9.6
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS5	14:19	1.0	Surface	1	2	17.59	8.16	29.15	97.4	7.81	5.7	8.7
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS5	14:19	4.1	Middle	2	1	17.52	8.15	29.20	97.2	7.79	5.8	13.0
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS5	14:18	4.1	Middle	2	2	17.55	8.16	29.17	97.3	7.80	6.0	14.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS5	14:18	7.2	Bottom	3	1	17.51	8.16	29.23	97.2	7.80	6.1	13.5
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS5	14:19	7.2	Bottom	3	2	17.51	8.15	29.23	97.1	7.79	6.1	13.6
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS(Mf)6	14:27	1.0	Surface	1	1	17.94	8.17	29.04	98.7	7.86	6.0	6.4
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS(Mf)6	14:27	1.0	Surface	1	2	17.77	8.17	29.10	98.5	7.87	5.8	5.8
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS(Mf)6	14:27	2.1	Bottom	3	1	17.56	8.17	29.15	98.5	7.90	6.2	6.0
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS(Mf)6	14:27	2.1	Bottom	3	2	17.71	8.17	29.11	98.4	7.87	6.2	6.1
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS7	14:35	1.0	Surface	1	1	18.50	8.17	29.14	101.9	8.02	4.8	6.4
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS7	14:35	1.0	Surface	1	2	18.56	8.17	29.09	102.2	8.04	4.9	5.5
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS7	14:34	2.1	Bottom	3	1	17.84	8.17	29.21	100.4	8.00	5.4	5.3
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS7	14:35	2.1	Bottom	3	2	18.40	8.17	29.03	101.3	8.00	5.1	6.5
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS8	15:01	1.0	Surface	1	1	18.32	8.19	29.26	98.6	7.79	11.2	12.6
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS8	15:00	1.0	Surface	1	2	18.37	8.19	29.22	99.0	7.85	11.1	13.6
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS8	15:00	3.0	Bottom	3	1	18.23	8.19	29.24	98.3	7.78	11.6	13.0
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS8	15:00	3.0	Bottom	3	2	18.12	8.20	29.22	98.8	7.80	11.9	12.6
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS(Mf)9	14:43	1.0	Surface	1	1	18.63	8.19	29.24	100.3	7.88	5.1	13.7
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS(Mf)9	14:43	1.0	Surface	1	2	18.78	8.20	29.17	100.5	7.87	4.9	13.7
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS(Mf)9	14:43	2.6	Bottom	3	1	18.06	8.21	29.20	98.4	7.81	5.3	13.1
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS(Mf)9	14:43	2.6	Bottom	3	2	18.34	8.20	29.19	99.3	7.84	5.2	13.1
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS10(N)	15:09	1.0	Surface	1	1	18.19	8.29	33.04	99.8	7.74	4.3	6.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS10(N)	15:10	1.0	Surface	1	2	18.16	8.29	33.03	100.0	7.74	4.4	5.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS10(N)	15:09	5.6	Middle	2	1	18.07	8.29	33.03	99.7	7.73	4.6	7.6
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS10(N)	15:09	5.6	Middle	2	2	18.08	8.29	33.03	99.6	7.72	4.5	7.5
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS10(N)	15:09	10.2	Bottom	3	1	18.11	8.29	32.99	99.3	7.70	4.9	6.5
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	IS10(N)	15:09	10.2	Bottom	3	2	18.03	8.29	33.01	99.4	7.72	4.8	7.8
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR3(N)	14:10	1.0	Surface	1	1	17.61	8.21	27.57	99.2	8.02	6.2	9.1
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR3(N)	14:10	1.0	Surface	1	2	17.66	8.19	27.77	99.2	8.02	6.2	9.6
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR3(N)	14:10	2.4	Bottom	3	1	17.49	8.21	27.69	99.0	8.00	6.1	8.4
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR3(N)	14:09	2.4	Bottom	3	2	17.48	8.21	27.35	98.8	8.02	6.2	8.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR4(N)	14:54	1.0	Surface	1	1	18.42	8.19	29.25	97.3	7.67	5.9	10.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR4(N)	14:53	1.0	Surface	1	2	18.40	8.20	29.24	97.4	7.68	6.1	9.4
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR4(N)	14:53	2.5	Bottom	3	1	18.39	8.20	29.26	97.3	7.67	6.1	12.7
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR4(N)	14:53	2.5	Bottom	3	2	18.39	8.22	29.23	97.6	7.70	6.2	11.8
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR5(N)	14:58	1.0	Surface	1	1	18.24	8.29	33.05	100.2	7.75	4.3	4.5
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR5(N)	14:57	1.0	Surface	1	2	18.04	8.29	33.04	100.0	7.76	4.2	5.0
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR5(N)	14:58	4.5	Middle	2	1	18.08	8.29	33.04	99.7	7.74	4.5	4.4
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR5(N)	14:57	4.5	Middle	2	2	18.03	8.29	32.99	99.5	7.71	4.4	4.9
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR5(N)	14:57	8.0	Bottom	3	1	18.18	8.29	33.05	99.1	7.69	4.6	3.8
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR5(N)	14:58	8.0	Bottom	3	2	18.07	8.29	32.99	99.2	7.70	4.6	3.9
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10A(N)	15:57	1.0	Surface	1	1	18.58	8.26	32.93	97.3	7.48	3.4	6.3
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10A(N)	15:57	1.0	Surface	1	2	18.57	8.26	32.93	98.3	7.56	3.3	7.8
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10A(N)	15:57	6.9	Middle	2	1	18.57	8.26	32.93	96.8	7.44	3.5	8.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10A(N)	15:57	6.9	Middle	2	2	18.57	8.26	32.93	96.2	7.39	3.6	7.4
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10A(N)	15:57	12.7	Bottom	3	1	18.57	8.26	32.93	95.8	7.37	3.7	8.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10A(N)	15:57	12.7	Bottom	3	2	18.57	8.27	32.93	95.7	7.36	3.8	9.9
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10B(N2)	16:08	1.0	Surface	1	1	18.57	8.26	32.92	94.9	7.30	3.2	6.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10B(N2)	16:09	1.0	Surface	1	2	18.57	8.25	32.92	95.2	7.32	3.3	6.1
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10B(N2)	16:08	3.9	Middle	2	1	18.57	8.26	32.93	94.8	7.29	3.5	5.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10B(N2)	16:08	3.9	Middle	2	2	18.57	8.25	32.92	95.0	7.31	3.4	5.8
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10B(N2)	16:08	6.8	Bottom	3	1	18.57	8.26	32.93	94.7	7.28	3.7	9.0
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	SR10B(N2)	16:08	6.8	Bottom	3	2	18.57	8.25	32.92	95.2	7.32	3.6	10.5
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS2(A)	14:08	1.0	Surface	1	1	17.74	8.28	32.92	101.1	7.90	7.7	11.1
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS2(A)	14:08	1.0	Surface	1	2	17.75	8.27	32.90	101.2	7.90	7.8	10.8
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS2(A)	14:07	4.2	Middle	2	1	17.69	8.28	32.96	100.9	7.88	7.9	12.9
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS2(A)	14:08	4.2	Middle	2	2	17.73	8.28	32.93	100.9	7.88	7.9	12.3
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS2(A)	14:08	7.3	Bottom	3	1	17.72	8.28	32.94	100.8	7.88	8.2	14.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS2(A)	14:07	7.3	Bottom	3	2	17.69	8.27	32.97	100.8	7.88	8.3	15.0
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS(Mf)5	15:25	1.0	Surface	1	1	18.70	8.16	29.26	94.8	7.43	3.9	6.5
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS(Mf)5	15:25	1.0	Surface	1	2	18.59	8.17	29.25	97.1	7.68	3.7	6.0
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS(Mf)5	15:25	6.0	Middle	2	1	18.30	8.17	29.31	95.3	7.49	5.3	5.0
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS(Mf)5	15:25	6.0	Middle	2	2	18.29	8.17	29.40	93.7	7.40	5.6	5.9
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS(Mf)5	15:24	11.0	Bottom	3	1	18.20	8.18	29.34	94.7	7.48	6.1	5.2
HKLR	HY/2011/03	2017-12-22	Mid-Ebb	Sunny	CS(Mf)5	15:25	11.0	Bottom	3	2	18.24	8.17	29.50	93.6	7.39	6.1	5.6
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS5	10:23	1.0	Surface	1	1	17.37	8.09	29.58	99.4	8.00	6.0	9.8
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS5	10:24	1.0	Surface	1	2	17.35	8.10	29.61	96.6	7.76	6.2	9.6
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS5	10:23	4.1	Middle	2	1	17.32	8.09	29.67	96.5	7.76	6.1	9.0
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS5	10:23	4.1	Middle	2	2	17.31	8.09	29.63	97.9	7.87	6.3	8.6
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS5	10:23	7.2	Bottom	3	1	17.24	8.09	29.72	96.6	7.75	6.3	8.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS5	10:22	7.2	Bottom	3	2	17.23	8.08	29.65	97.8	7.85	6.1	8.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS(Mf)6	10:14	1.0	Surface	1	1	17.37	8.10	29.48	100.1	8.05	7.2	9.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS(Mf)6	10:14	1.0	Surface	1	2	17.32	8.10	29.44	103.3	8.32	7.5	9.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS(Mf)6	10:13	2.0	Bottom	3	1	17.30	8.10	29.41	101.6	8.17	7.5	11.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS(Mf)6	10:14	2.0	Bottom	3	2	17.32	8.10	29.51	99.5	8.00	7.6	10.6
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS7	9:56	1.0	Surface	1	1	17.44	8.06	29.35	102.1	8.22	7.6	9.2
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS7	9:57	1.0	Surface	1	2	17.46	8.07	29.39	100.4	8.07	7.8	10.8
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS7	9:56	2.0	Bottom	3	1	17.29	8.06	29.36	101.3	8.13	7.8	10.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS7	9:57	2.0	Bottom	3	2	17.37	8.07	29.38	99.9	8.02	7.9	9.3
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS8	9:30	1.0	Surface	1	1	17.84	8.07	29.13	101.3	8.08	8.5	12.5
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS8	9:30	1.0	Surface	1	2	17.84	8.06	29.07	104.9	8.38	8.6	12.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS8	9:30	3.0	Bottom	3	1	17.83	8.06	29.13	100.2	7.99	9.5	12.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS8	9:30	3.0	Bottom	3	2	17.79	8.05	29.07	103.0	8.22	9.1	13.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS(Mf)9	9:47	1.0	Surface	1	1	17.59	8.09	29.33	101.6	8.13	9.5	10.4
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS(Mf)9	9:48	1.0	Surface	1	2	17.59	8.09	29.35	99.8	7.99	9.1	10.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS(Mf)9	9:47	2.7	Bottom	3	1	17.57	8.09	29.34	100.4	8.03	9.5	12.1
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS(Mf)9	9:48	2.7	Bottom	3	2	17.59	8.09	29.36	99.1	7.93	9.3	12.5
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS10(N)	9:41	1.0	Surface	1	1	17.65	8.28	33.11	103.1	8.06	8.7	18.8
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS10(N)	9:41	1.0	Surface	1	2	17.67	8.29	33.10	102.1	7.98	8.6	18.5
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS10(N)	9:41	5.7	Middle	2	1	17.66	8.29	33.10	100.9	7.89	8.8	18.4
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS10(N)	9:41	5.7	Middle	2	2	17.64	8.29	33.10	101.6	7.94	8.9	18.4
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS10(N)	9:41	10.3	Bottom	3	1	17.65	8.29	33.10	100.3	7.85	9.2	18.8
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	IS10(N)	9:41	10.3	Bottom	3	2	17.67	8.29	33.09	100.1	7.82	9.3	19.2
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR3(N)	10:32	1.0	Surface	1	1	17.45	8.09	29.49	100.4	8.06	5.9	7.3
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR3(N)	10:33	1.0	Surface	1	2	17.47	8.10	29.54	97.7	7.85	5.8	8.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR3(N)	10:33	2.4	Bottom	3	1	17.36	8.09	29.58	97.5	7.81	6.2	10.8
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR3(N)	10:32	2.4	Bottom	3	2	17.41	8.09	29.49	99.1	7.95	6.2	11.5
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR4(N)	9:36	1.0	Surface	1	1	17.82	8.07	29.13	101.6	8.11	8.5	16.0
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR4(N)	9:37	1.0	Surface	1	2	17.85	8.07	29.18	98.9	7.88	8.3	17.5
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR4(N)	9:36	2.9	Bottom	3	1	17.81	8.08	29.13	99.9	7.97	8.7	16.4
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR4(N)	9:36	2.9	Bottom	3	2	17.84	8.07	29.19	98.2	7.83	8.4	16.6
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR5(N)	9:52	1.0	Surface	1	1	17.66	8.28	33.11	99.1	7.75	8.3	17.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR5(N)	9:52	1.0	Surface	1	2	17.69	8.28	33.10	98.9	7.72	8.3	17.5
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR5(N)	9:52	4.6	Middle	2	1	17.65	8.28	33.11	98.8	7.72	8.4	17.6
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR5(N)	9:52	4.6	Middle	2	2	17.64	8.28	33.10	99.1	7.74	8.5	17.0
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR5(N)	9:52	8.1	Bottom	3	1	17.66	8.28	33.09	98.8	7.72	8.8	16.2
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR5(N)	9:52	8.1	Bottom	3	2	17.65	8.28	33.10	99.0	7.74	8.7	16.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10A(N)	8:57	1.0	Surface	1	1	18.31	8.21	33.05	98.5	7.60	4.3	11.8
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10A(N)	8:58	1.0	Surface	1	2	18.31	8.22	33.05	98.1	7.58	4.4	11.3
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10A(N)	8:57	7	Middle	2	1	18.31	8.21	33.05	97.3	7.51	4.6	11.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10A(N)	8:57	7	Middle	2	2	18.31	8.22	33.05	97.7	7.54	4.6	12.4
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10A(N)	8:56	12.9	Bottom	3	1	18.31	8.20	33.05	96.9	7.48	4.8	12.4
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10A(N)	8:57	12.9	Bottom	3	2	18.31	8.22	33.05	97.1	7.50	4.7	11.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10B(N2)	8:45	1.0	Surface	1	1	18.31	8.22	33.05	97.7	7.55	4.5	11.6
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10B(N2)	8:45	1.0	Surface	1	2	18.31	8.21	33.05	98.4	7.60	4.4	12.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10B(N2)	8:44	4	Middle	2	1	18.31	8.21	33.05	97.2	7.50	4.6	13.8
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10B(N2)	8:45	4	Middle	2	2	18.31	8.22	33.05	97.8	7.56	4.7	15.0
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10B(N2)	8:44	6.9	Bottom	3	1	18.31	8.20	33.05	97.2	7.50	4.9	15.2
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	SR10B(N2)	8:45	6.9	Bottom	3	2	18.31	8.22	33.05	96.7	7.47	4.8	13.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS2(A)	10:45	1.0	Surface	1	1	17.63	8.28	33.04	99.4	7.77	9.1	19.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS2(A)	10:46	1.0	Surface	1	2	17.66	8.28	33.05	99.2	7.76	9.2	21.9
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS2(A)	10:46	4.2	Middle	2	1	17.61	8.28	33.06	99.0	7.74	9.4	22.2
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS2(A)	10:45	4.2	Middle	2	2	17.64	8.28	33.05	99.4	7.77	9.3	22.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS2(A)	10:45	7.4	Bottom	3	1	17.65	8.27	33.05	98.7	7.72	9.5	21.7
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS2(A)	10:45	7.4	Bottom	3	2	17.59	8.28	33.04	98.8	7.74	9.6	21.8
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS(Mf)5	9:07	1.0	Surface	1	1	18.22	7.98	29.66	96.4	7.62	6.8	6.3
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS(Mf)5	9:08	1.0	Surface	1	2	18.22	8.02	29.35	95.3	7.54	6.5	7.5
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS(Mf)5	9:08	6.3	Middle	2	1	17.93	8.02	29.58	94.8	7.53	7.5	7.5
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS(Mf)5	9:07	6.3	Middle	2	2	17.94	7.96	29.99	95.8	7.59	7.3	7.2
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS(Mf)5	9:08	11.5	Bottom	3	1	17.93	8.02	29.69	94.5	7.50	7.7	8.3
HKLR	HY/2011/03	2017-12-22	Mid-Flood	Sunny	CS(Mf)5	9:07	11.5	Bottom	3	2	17.93	7.91	30.39	96.0	7.58	7.5	7.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS5	16:58	1.0	Surface	1	1	18.37	8.15	29.11	101.6	8.02	5.1	10.7
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS5	16:57	1.0	Surface	1	2	18.34	8.15	29.10	101.8	8.06	5.1	11.3
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS5	16:57	4.2	Middle	2	1	18.25	8.15	29.23	101.3	8.01	4.9	10.1
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS5	16:57	4.2	Middle	2	2	18.25	8.15	29.19	101.7	8.04	5.1	10.5
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS5	16:57	7.3	Bottom	3	1	18.22	8.15	29.24	101.6	8.04	5.1	10.7
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS5	16:57	7.3	Bottom	3	2	18.28	8.15	29.22	101.2	8.01	5.0	9.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS(Mf)6	17:04	1.0	Surface	1	1	18.14	8.14	29.16	101.2	8.02	10.0	6.8
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS(Mf)6	17:05	1.0	Surface	1	2	18.15	8.15	29.22	101.3	8.03	10.2	7.2
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS(Mf)6	17:04	2.2	Bottom	3	1	18.12	8.13	29.17	101.1	8.02	10.6	6.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS(Mf)6	17:05	2.2	Bottom	3	2	18.15	8.14	29.22	101.2	8.02	10.6	7.5
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS7	17:12	1.0	Surface	1	1	18.45	8.14	29.29	104.1	8.20	4.0	6.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS7	17:13	1.0	Surface	1	2	18.46	8.15	29.33	104.4	8.22	4.1	5.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS7	17:12	2.1	Bottom	3	1	18.46	8.14	29.33	104.1	8.19	4.0	5.2
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS7	17:12	2.1	Bottom	3	2	18.42	8.14	29.29	103.4	8.14	4.0	6.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS8	17:37	1.0	Surface	1	1	18.16	8.18	29.06	103.0	8.16	4.7	6.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS8	17:38	1.0	Surface	1	2	18.20	8.19	29.11	102.4	8.11	4.6	5.7
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS8	17:37	2.7	Bottom	3	1	18.21	8.18	29.12	102.6	8.14	4.7	6.1
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS8	17:38	2.7	Bottom	3	2	18.21	8.18	29.18	102.1	8.09	4.7	6.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS(Mf)9	17:20	1.0	Surface	1	1	18.30	8.15	29.29	104.0	8.21	4.6	9.1
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS(Mf)9	17:20	1.0	Surface	1	2	18.32	8.16	29.31	103.8	8.20	4.6	8.1
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS(Mf)9	17:20	2.5	Bottom	3	1	18.29	8.15	29.45	103.5	8.17	4.8	8.8
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS(Mf)9	17:20	2.5	Bottom	3	2	18.33	8.15	29.43	104.0	8.20	4.7	9.0
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS10(N)	17:51	1.0	Surface	1	1	17.98	8.40	32.39	99.8	7.79	2.9	6.6
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS10(N)	17:51	1.0	Surface	1	2	17.98	8.40	32.40	99.4	7.76	2.9	5.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS10(N)	17:51	5.3	Middle	2	1	18.02	8.40	32.50	99.4	7.74	2.7	8.1
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS10(N)	17:51	5.3	Middle	2	2	18.01	8.40	32.50	99.5	7.75	2.5	9.6
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS10(N)	17:51	9.6	Bottom	3	1	18.00	8.38	32.50	99.9	7.79	2.7	10.2
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	IS10(N)	17:50	9.6	Bottom	3	2	18.02	8.37	32.52	100.3	7.82	3.0	10.3
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR3(N)	16:50	1.0	Surface	1	1	18.14	8.16	27.30	101.3	8.12	7.5	8.8
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR3(N)	16:50	1.0	Surface	1	2	18.16	8.14	27.57	101.0	8.08	7.7	7.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR3(N)	16:49	2.5	Bottom	3	1	18.17	8.19	27.27	101.4	8.13	7.6	7.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR3(N)	16:50	2.5	Bottom	3	2	18.15	8.15	27.55	101.2	8.10	7.6	7.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR4(N)	17:31	1.0	Surface	1	1	18.35	8.18	29.06	105.4	8.34	4.0	6.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR4(N)	17:31	1.0	Surface	1	2	18.36	8.18	29.10	104.6	8.26	4.2	6.7
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR4(N)	17:31	2.5	Bottom	3	1	18.36	8.18	29.10	103.7	8.19	4.1	9.2
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR4(N)	17:31	2.5	Bottom	3	2	18.30	8.19	29.09	105.2	8.31	4.1	10.7
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR5(N)	17:40	1.0	Surface	1	1	17.98	8.40	32.39	100.4	7.84	2.5	9.2
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR5(N)	17:39	1.0	Surface	1	2	17.98	8.40	32.39	101.3	7.90	2.4	8.5
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR5(N)	17:39	4.5	Middle	2	1	18.00	8.36	32.48	101.0	7.87	3.2	9.0
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR5(N)	17:40	4.5	Middle	2	2	18.01	8.39	32.49	99.9	7.78	3.1	8.1
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR5(N)	17:39	7.9	Bottom	3	1	18.01	8.36	32.50	102.0	7.95	3.4	8.8
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR5(N)	17:40	7.9	Bottom	3	2	18.02	8.38	32.52	100.7	7.84	3.3	8.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10A(N)	18:41	1.0	Surface	1	1	18.39	8.33	32.96	96.4	7.43	2.4	7.1
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10A(N)	18:42	1.0	Surface	1	2	18.39	8.35	32.96	100.0	7.71	2.7	7.3
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10A(N)	18:42	6.6	Middle	2	1	18.40	8.34	32.95	94.5	7.29	3.0	6.7
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10A(N)	18:41	6.6	Middle	2	2	18.40	8.32	32.95	97.5	7.52	2.8	7.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10A(N)	18:41	12.2	Bottom	3	1	18.40	8.29	32.95	94.4	7.28	3.1	11.7
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10A(N)	18:42	12.2	Bottom	3	2	18.40	8.34	32.95	94.8	7.32	3.3	12.5
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10B(N2)	18:53	1.0	Surface	1	1	18.39	8.36	32.95	93.3	7.20	2.4	8.6
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10B(N2)	18:53	1.0	Surface	1	2	18.40	8.36	32.95	93.6	7.22	2.2	8.0
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10B(N2)	18:53	3.6	Middle	2	1	18.40	8.36	32.95	93.5	7.21	3.3	8.8
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10B(N2)	18:53	3.6	Middle	2	2	18.40	8.36	32.95	93.2	7.19	3.5	8.3
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10B(N2)	18:53	6.1	Bottom	3	1	18.40	8.36	32.95	93.3	7.20	3.4	13.0
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	SR10B(N2)	18:53	6.1	Bottom	3	2	18.40	8.35	32.95	93.6	7.22	3.2	11.3
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS2(A)	16:47	1.0	Surface	1	1	17.72	8.18	32.06	100.2	7.87	10.8	14.9
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS2(A)	16:47	1.0	Surface	1	2	17.72	8.20	32.07	99.3	7.80	10.7	13.3
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS2(A)	16:47	3.9	Middle	2	1	17.72	8.19	32.07	99.5	7.81	11.4	14.7
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS2(A)	16:47	3.9	Middle	2	2	17.72	8.15	32.05	100.2	7.87	11.6	13.3
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS2(A)	16:47	6.8	Bottom	3	1	17.72	8.16	32.08	99.7	7.83	12.2	14.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS2(A)	16:46	6.8	Bottom	3	2	17.72	8.15	32.06	100.4	7.88	11.8	14.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS(Mf)5	18:02	1.0	Surface	1	1	18.43	8.13	29.64	92.0	7.22	3.5	6.2
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS(Mf)5	18:01	1.0	Surface	1	2	18.43	8.13	29.60	96.4	7.57	3.5	6.3
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS(Mf)5	18:02	5.9	Middle	2	1	18.43	8.13	29.75	91.8	7.22	3.4	5.8
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS(Mf)5	18:01	5.9	Middle	2	2	18.43	8.13	29.72	93.1	7.32	3.5	6.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS(Mf)5	18:01	10.7	Bottom	3	1	18.40	8.13	29.80	92.9	7.31	3.7	6.4
HKLR	HY/2011/03	2017-12-25	Mid-Ebb	Sunny	CS(Mf)5	18:02	10.7	Bottom	3	2	18.41	8.13	29.86	91.6	7.20	3.7	5.5
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS5	12:58	1.0	Surface	1	1	18.11	8.07	30.00	99.6	7.86	5.5	7.9
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS5	12:57	1.0	Surface	1	2	18.25	8.06	29.93	100.4	7.91	5.6	8.2
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS5	12:57	4.4	Middle	2	1	17.98	8.05	30.05	99.8	7.90	5.7	8.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS5	12:58	4.4	Middle	2	2	18.03	8.06	30.05	99.2	7.84	5.4	7.5
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS5	12:58	7.7	Bottom	3	1	17.97	8.06	30.10	99.1	7.84	5.7	10.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS5	12:57	7.7	Bottom	3	2	17.97	8.05	30.07	99.6	7.88	5.7	10.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS(Mf)6	12:50	1.0	Surface	1	1	18.39	8.07	29.89	103.8	8.15	6.6	8.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS(Mf)6	12:50	1.0	Surface	1	2	18.36	8.07	29.90	103.1	8.11	6.4	9.6
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS(Mf)6	12:50	2.1	Bottom	3	1	18.31	8.07	29.93	103.3	8.13	6.8	9.5
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS(Mf)6	12:49	2.1	Bottom	3	2	18.28	8.07	29.91	103.9	8.18	6.7	11.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS7	12:41	1.0	Surface	1	1	18.29	8.04	29.95	104.5	8.22	6.7	10.2
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS7	12:41	1.0	Surface	1	2	18.20	8.05	30.00	103.5	8.15	6.6	10.9
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS7	12:41	2.1	Bottom	3	1	18.10	8.05	29.96	103.4	8.16	6.8	14.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS7	12:41	2.1	Bottom	3	2	18.16	8.04	29.93	105.1	8.29	6.7	12.9
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS8	12:15	1.0	Surface	1	1	18.17	8.04	29.47	102.7	8.13	12.1	14.6
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS8	12:15	1.0	Surface	1	2	18.16	8.05	29.55	101.8	8.05	12.4	13.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS8	12:15	3.0	Bottom	3	1	18.14	8.04	29.57	101.9	8.06	13.8	17.5
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS8	12:15	3.0	Bottom	3	2	18.16	8.04	29.42	104.1	8.24	13.3	16.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS(Mf)9	12:33	1.0	Surface	1	1	18.19	8.05	29.53	103.8	8.21	6.7	9.7
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS(Mf)9	12:34	1.0	Surface	1	2	18.21	8.05	29.58	102.6	8.11	6.7	8.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS(Mf)9	12:33	2.7	Bottom	3	1	18.18	8.05	29.60	103.2	8.16	6.9	12.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS(Mf)9	12:33	2.7	Bottom	3	2	18.16	8.05	29.51	104.7	8.28	6.7	13.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS10(N)	11:52	1.0	Surface	1	1	17.90	8.39	32.34	107.4	8.40	4.7	13.5
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS10(N)	11:53	1.0	Surface	1	2	17.90	8.40	32.33	108.9	8.51	4.8	13.9
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS10(N)	11:52	5.3	Middle	2	1	17.89	8.38	32.35	106.0	8.29	5.9	14.2
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS10(N)	11:53	5.3	Middle	2	2	17.89	8.39	32.36	103.4	8.08	5.6	12.8
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS10(N)	11:52	9.5	Bottom	3	1	17.89	8.37	32.36	103.1	8.06	6.0	15.2
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	IS10(N)	11:53	9.5	Bottom	3	2	17.89	8.39	32.36	103.9	8.12	6.2	14.2
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR3(N)	13:06	1.0	Surface	1	1	18.11	8.08	29.82	102.9	8.13	6.5	8.7
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR3(N)	13:06	1.0	Surface	1	2	18.08	8.08	29.89	101.4	8.01	6.5	7.6
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR3(N)	13:06	2.5	Bottom	3	1	18.09	8.08	29.90	101.9	8.05	6.8	8.9
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR3(N)	13:06	2.5	Bottom	3	2	18.07	8.09	29.83	103.2	8.16	6.5	8.6
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR4(N)	12:22	1.0	Surface	1	1	18.17	8.05	29.74	100.4	7.93	5.1	11.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR4(N)	12:22	1.0	Surface	1	2	18.17	8.04	29.72	101.2	7.99	5.2	10.2
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR4(N)	12:22	2.7	Bottom	3	1	18.15	8.05	29.76	100.6	7.95	5.2	11.9
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR4(N)	12:21	2.7	Bottom	3	2	18.16	8.04	29.70	101.6	8.03	5.2	10.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR5(N)	12:05	1.0	Surface	1	1	17.90	8.40	32.31	101.3	7.92	4.7	10.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR5(N)	12:05	1.0	Surface	1	2	17.90	8.40	32.31	101.6	7.94	4.5	9.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR5(N)	12:04	4.3	Middle	2	1	17.89	8.40	32.36	101.5	7.93	5.1	11.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR5(N)	12:05	4.3	Middle	2	2	17.89	8.40	32.33	101.2	7.91	4.9	10.3
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR5(N)	12:04	7.6	Bottom	3	1	17.89	8.40	32.36	101.7	7.95	5.0	10.9
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR5(N)	12:05	7.6	Bottom	3	2	17.89	8.40	32.34	101.2	7.91	5.2	9.8
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10A(N)	11:07	1.0	Surface	1	1	18.30	8.31	32.92	95.0	7.34	2.6	7.8
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10A(N)	11:06	1.0	Surface	1	2	18.30	8.30	32.92	95.8	7.40	2.5	8.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10A(N)	11:07	6.7	Middle	2	1	18.30	8.31	32.92	94.9	7.33	3.0	9.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10A(N)	11:06	6.7	Middle	2	2	18.30	8.29	32.92	95.7	7.40	3.2	8.5
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10A(N)	11:07	12.4	Bottom	3	1	18.29	8.30	32.92	95.0	7.34	3.0	8.8
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10A(N)	11:06	12.4	Bottom	3	2	18.29	8.28	32.91	96.1	7.43	2.9	9.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10B(N2)	10:56	1.0	Surface	1	1	18.30	8.25	32.92	105.7	8.17	2.0	9.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10B(N2)	10:56	1.0	Surface	1	2	18.31	8.22	32.92	103.5	8.00	1.8	9.8
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10B(N2)	10:56	3.7	Middle	2	1	18.31	8.24	32.91	101.7	7.86	2.0	8.7
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10B(N2)	10:56	3.7	Middle	2	2	18.31	8.20	32.91	98.3	7.60	2.1	10.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10B(N2)	10:55	6.3	Bottom	3	1	18.31	8.20	32.91	98.9	7.65	2.2	8.8
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	SR10B(N2)	10:56	6.3	Bottom	3	2	18.30	8.23	32.92	99.7	7.70	2.4	8.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS2(A)	12:55	1.0	Surface	1	1	17.71	8.36	31.45	101.6	8.02	9.0	9.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS2(A)	12:56	1.0	Surface	1	2	17.70	8.36	31.47	101.3	7.99	9.2	7.4
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS2(A)	12:55	3.9	Middle	2	1	17.56	8.36	31.71	100.3	7.92	11.0	11.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS2(A)	12:55	3.9	Middle	2	2	17.57	8.37	31.71	100.9	7.97	10.7	10.9
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS2(A)	12:54	6.7	Bottom	3	1	17.57	8.33	31.71	98.7	7.80	11.4	14.7
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS2(A)	12:55	6.7	Bottom	3	2	17.61	8.36	31.65	101.3	8.00	11.0	16.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS(Mf)5	11:52	1.0	Surface	1	1	18.15	8.00	30.93	95.6	7.50	4.6	6.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS(Mf)5	11:51	1.0	Surface	1	2	18.18	7.98	31.51	96.4	7.51	4.8	5.8
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS(Mf)5	11:51	6	Middle	2	1	18.11	7.99	31.13	95.4	7.47	6.2	7.6
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS(Mf)5	11:51	6	Middle	2	2	18.11	7.96	32.03	96.1	7.49	6.5	6.0
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS(Mf)5	11:50	11	Bottom	3	1	18.11	7.95	32.70	95.7	7.47	6.9	7.1
HKLR	HY/2011/03	2017-12-25	Mid-Flood	Sunny	CS(Mf)5	11:51	11	Bottom	3	2	18.10	7.98	31.30	95.3	7.47	6.9	6.4
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS5	6:52	1.0	Surface	1	1	17.95	8.03	29.13	97.4	7.75	4.3	5.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS5	6:52	1.0	Surface	1	2	17.96	8.02	29.09	100.1	7.96	4.5	6.2
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS5	6:52	4.3	Middle	2	1	17.96	8.03	29.23	97.0	7.71	4.2	6.3
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS5	6:51	4.3	Middle	2	2	17.96	8.02	29.18	98.7	7.85	4.6	5.2
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS5	6:51	7.6	Bottom	3	1	17.96	8.01	29.21	98.2	7.82	4.5	5.3
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS5	6:52	7.6	Bottom	3	2	17.96	8.02	29.24	96.9	7.71	4.5	5.9
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS(Mf)6	6:44	1.0	Surface	1	1	17.78	8.03	29.08	99.6	7.96	5.9	6.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS(Mf)6	6:44	1.0	Surface	1	2	17.77	8.02	29.05	101.1	8.08	5.9	7.5
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS(Mf)6	6:44	2.1	Bottom	3	1	17.77	8.02	29.09	99.1	7.92	5.8	6.5
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS(Mf)6	6:43	2.1	Bottom	3	2	17.76	8.01	29.04	100.1	8.00	5.9	8.1
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS7	6:36	1.0	Surface	1	1	17.83	8.02	29.11	101.8	8.13	5.6	8.7
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS7	6:36	1.0	Surface	1	2	17.84	8.03	29.13	100.2	7.99	5.5	7.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS7	6:36	2.0	Bottom	3	1	17.84	8.03	29.15	99.8	7.96	5.5	7.0
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS7	6:35	2.0	Bottom	3	2	17.81	8.01	29.08	100.6	8.03	5.5	7.0
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS8	6:06	1.0	Surface	1	1	18.15	8.03	29.07	102.2	8.11	3.8	4.4
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS8	6:06	1.0	Surface	1	2	18.14	8.01	29.00	103.0	8.18	3.8	4.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS8	6:06	2.8	Bottom	3	1	18.11	8.00	29.00	102.8	8.16	3.7	7.7
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS8	6:06	2.8	Bottom	3	2	18.15	8.02	29.07	101.7	8.07	3.9	7.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS(Mf)9	6:27	1.0	Surface	1	1	17.88	8.01	29.04	100.2	7.99	4.7	5.4
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS(Mf)9	6:27	1.0	Surface	1	2	17.88	8.01	29.00	102.0	8.14	4.7	6.3
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS(Mf)9	6:27	2.5	Bottom	3	1	17.87	8.01	29.04	99.6	7.94	4.7	5.8
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS(Mf)9	6:27	2.5	Bottom	3	2	17.86	8.00	28.99	100.8	8.04	4.5	5.0
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS10(N)	6:14	1.0	Surface	1	1	17.87	8.22	32.09	100.6	7.88	2.3	3.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS10(N)	6:14	1.0	Surface	1	2	17.86	8.21	32.09	101.1	7.92	2.2	2.7
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS10(N)	6:14	5.5	Middle	2	1	17.87	8.21	32.09	100.3	7.86	2.5	3.7
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS10(N)	6:13	5.5	Middle	2	2	17.87	8.21	32.09	101.5	7.95	2.6	4.2
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS10(N)	6:14	10.0	Bottom	3	1	17.87	8.21	32.09	100.4	7.86	2.7	6.4
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	IS10(N)	6:13	10.0	Bottom	3	2	17.90	8.22	32.09	100.1	7.83	2.8	7.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR3(N)	7:01	1.0	Surface	1	1	17.88	8.02	29.10	98.3	7.83	4.3	3.4
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR3(N)	7:01	1.0	Surface	1	2	17.87	8.01	29.09	99.9	7.96	4.2	3.7
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR3(N)	7:00	2.3	Bottom	3	1	17.84	8.01	29.12	101.2	8.08	4.2	4.0
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR3(N)	7:01	2.3	Bottom	3	2	17.89	8.01	29.13	99.1	7.89	4.2	3.9
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR4(N)	6:16	1.0	Surface	1	1	18.10	8.02	29.07	100.2	7.96	3.1	3.5
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR4(N)	6:16	1.0	Surface	1	2	18.09	8.02	29.05	102.2	8.12	3.1	4.7
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR4(N)	6:15	2.7	Bottom	3	1	18.08	8.01	29.06	101.0	8.02	3.1	4.8
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR4(N)	6:16	2.7	Bottom	3	2	18.10	8.02	29.09	99.7	7.91	3.1	4.8
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR5(N)	6:26	1.0	Surface	1	1	17.87	8.22	32.09	100.0	7.83	1.5	3.5
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR5(N)	6:26	1.0	Surface	1	2	17.88	8.22	32.08	99.8	7.82	1.3	4.5
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR5(N)	6:26	4.3	Middle	2	1	17.87	8.22	32.09	99.9	7.82	1.8	4.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR5(N)	6:26	4.3	Middle	2	2	17.88	8.22	32.09	99.7	7.81	1.7	5.3
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR5(N)	6:25	7.5	Bottom	3	1	17.88	8.22	32.08	99.9	7.83	2.0	4.2
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR5(N)	6:26	7.5	Bottom	3	2	17.88	8.22	32.08	99.7	7.81	1.9	5.2
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10A(N)	5:19	1.0	Surface	1	1	18.38	8.26	32.83	95.7	7.39	1.1	3.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10A(N)	5:18	1.0	Surface	1	2	18.38	8.24	32.83	95.2	7.35	1.0	4.4
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10A(N)	5:18	6.9	Middle	2	1	18.38	8.24	32.83	95.2	7.35	1.1	2.9
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10A(N)	5:19	6.9	Middle	2	2	18.38	8.25	32.83	95.8	7.39	1.2	3.8
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10A(N)	5:19	12.8	Bottom	3	1	18.39	8.25	32.84	95.1	7.35	1.3	3.8
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10A(N)	5:18	12.8	Bottom	3	2	18.39	8.23	32.84	95.2	7.35	1.2	3.4
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10B(N2)	5:07	1.0	Surface	1	1	18.38	8.19	32.84	100.5	7.76	1.1	2.3
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10B(N2)	5:06	1.0	Surface	1	2	18.38	8.16	32.84	101.3	7.82	1.2	2.2
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10B(N2)	5:07	4.0	Middle	2	1	18.39	8.19	32.84	99.0	7.64	1.3	3.3
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10B(N2)	5:06	4.0	Middle	2	2	18.39	8.15	32.84	98.3	7.59	1.3	2.8
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10B(N2)	5:06	6.9	Bottom	3	1	18.39	8.22	32.84	96.0	7.41	1.5	3.2
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	SR10B(N2)	5:07	6.9	Bottom	3	2	18.39	8.18	32.84	97.9	7.56	1.4	3.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS2(A)	7:17	1.0	Surface	1	1	17.74	8.17	32.55	101.6	7.95	2.7	6.8
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS2(A)	7:17	1.0	Surface	1	2	17.73	8.17	32.54	102.6	8.03	2.6	7.9
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS2(A)	7:17	4.0	Middle	2	1	17.76	8.17	32.56	100.7	7.89	2.9	8.5
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS2(A)	7:17	4.0	Middle	2	2	17.75	8.17	32.56	101.2	7.92	2.8	7.9
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS2(A)	7:17	7.0	Bottom	3	1	17.73	8.17	32.56	100.4	7.86	3.1	6.6
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS2(A)	7:17	7.0	Bottom	3	2	17.75	8.17	32.58	100.2	7.84	3.2	7.1
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS(Mf)5	5:40	1.0	Surface	1	1	18.03	7.97	29.98	94.9	7.44	2.6	3.0
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS(Mf)5	5:39	1.0	Surface	1	2	17.99	7.94	30.72	98.6	7.62	2.5	2.4
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS(Mf)5	5:39	6.1	Middle	2	1	18.29	7.89	31.61	95.2	7.48	2.5	3.9
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS(Mf)5	5:40	6.1	Middle	2	2	18.28	7.95	30.45	93.8	7.40	2.5	3.7
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS(Mf)5	5:39	11.1	Bottom	3	1	18.27	7.94	30.79	93.6	7.36	2.6	5.9
HKLR	HY/2011/03	2017-12-27	Mid-Ebb	Sunny	CS(Mf)5	5:39	11.1	Bottom	3	2	18.33	7.83	32.77	95.0	7.47	2.6	4.8
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS5	13:03	1.0	Surface	1	1	18.25	8.05	28.44	99.7	7.92	6.6	6.3
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS5	13:02	1.0	Surface	1	2	18.25	8.05	28.36	99.3	7.89	6.7	6.3
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS5	13:02	4.4	Middle	2	1	18.26	8.05	28.41	98.6	7.84	6.5	6.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS5	13:03	4.4	Middle	2	2	18.25	8.05	28.51	99.5	7.90	6.6	7.1
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS5	13:02	7.8	Bottom	3	1	18.28	8.06	28.39	97.2	7.72	7.3	6.6
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS5	13:02	7.8	Bottom	3	2	18.26	8.04	28.53	99.4	7.89	7.4	7.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS(Mf)6	13:16	1.0	Surface	1	1	18.42	8.06	28.46	101.7	8.05	8.2	8.8
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS(Mf)6	13:15	1.0	Surface	1	2	18.41	8.06	28.39	100.4	7.95	8.4	9.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS(Mf)6	13:15	2.0	Bottom	3	1	18.32	8.07	28.38	99.3	7.89	8.2	8.5
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS(Mf)6	13:16	2.0	Bottom	3	2	18.27	8.07	28.49	100.8	8.01	8.1	9.4
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS7	13:29	1.0	Surface	1	1	18.34	8.09	28.67	102.0	8.08	8.2	9.1
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS7	13:30	1.0	Surface	1	2	18.36	8.10	28.70	102.7	8.13	8.2	8.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS7	13:29	2.5	Bottom	3	1	18.29	8.09	28.72	101.4	8.04	9.4	10.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS7	13:30	2.5	Bottom	3	2	18.31	8.10	28.75	102.4	8.11	9.2	9.1
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS8	14:10	1.0	Surface	1	1	18.29	8.11	28.68	98.7	7.83	4.2	5.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS8	14:10	1.0	Surface	1	2	18.28	8.10	28.67	98.6	7.82	4.4	6.8
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS8	14:09	3.4	Bottom	3	1	18.25	8.10	28.74	98.2	7.79	4.8	7.1
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS8	14:10	3.4	Bottom	3	2	18.26	8.11	28.72	98.6	7.82	4.7	7.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS(Mf)9	13:43	1.0	Surface	1	1	18.27	8.09	28.84	100.7	7.98	6.6	9.9
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS(Mf)9	13:42	1.0	Surface	1	2	18.26	8.09	28.82	100.3	7.95	6.5	8.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS(Mf)9	13:43	2.7	Bottom	3	1	18.26	8.09	28.86	100.5	7.97	6.9	11.8
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS(Mf)9	13:42	2.7	Bottom	3	2	18.25	8.09	28.84	99.8	7.91	6.8	10.5
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS10(N)	13:51	1.0	Surface	1	1	18.08	8.22	32.02	100.5	7.84	3.2	4.4
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS10(N)	13:50	1.0	Surface	1	2	18.08	8.23	32.09	100.7	7.85	3.3	4.4
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS10(N)	13:51	5.6	Middle	2	1	18.07	8.22	32.13	100.5	7.84	3.5	4.8
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS10(N)	13:50	5.6	Middle	2	2	18.07	8.23	32.16	100.5	7.84	3.6	5.5
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS10(N)	13:50	10.1	Bottom	3	1	18.06	8.23	32.19	100.6	7.85	3.7	5.8
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	IS10(N)	13:51	10.1	Bottom	3	2	18.08	8.23	32.00	100.7	7.86	3.8	6.5
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR3(N)	12:48	1.0	Surface	1	1	18.18	8.13	26.78	97.0	7.80	6.6	6.4
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR3(N)	12:49	1.0	Surface	1	2	18.16	8.07	27.00	98.4	7.90	6.6	6.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR3(N)	12:48	2.2	Bottom	3	1	18.14	8.10	26.88	97.6	7.84	6.7	8.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR3(N)	12:48	2.2	Bottom	3	2	18.20	8.13	26.61	94.4	7.59	6.6	9.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR4(N)	13:58	1.0	Surface	1	1	18.35	8.07	28.77	98.6	7.81	6.7	7.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR4(N)	13:57	1.0	Surface	1	2	18.34	8.08	28.72	98.3	7.78	6.9	7.9
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR4(N)	13:57	2.8	Bottom	3	1	18.40	8.09	28.72	98.0	7.75	7.1	8.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR4(N)	13:58	2.8	Bottom	3	2	18.34	8.07	28.79	98.6	7.80	7.1	9.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR5(N)	13:38	1.0	Surface	1	1	18.09	8.27	31.99	101.2	7.90	3.4	3.4
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR5(N)	13:39	1.0	Surface	1	2	18.09	8.25	32.02	101.1	7.89	3.5	4.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR5(N)	13:38	4.4	Middle	2	1	18.07	8.27	32.16	100.9	7.87	3.6	3.5
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR5(N)	13:38	4.4	Middle	2	2	18.07	8.25	32.16	101.0	7.88	3.6	3.4
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR5(N)	13:38	7.7	Bottom	3	1	18.07	8.28	32.15	100.9	7.87	3.8	3.1
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR5(N)	13:38	7.7	Bottom	3	2	18.08	8.26	32.11	100.9	7.87	3.9	4.5
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10A(N)	14:52	1.0	Surface	1	1	18.42	8.21	32.72	97.6	7.54	1.3	2.7
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10A(N)	14:52	1.0	Surface	1	2	18.43	8.20	32.72	98.5	7.60	1.4	3.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10A(N)	14:52	7	Middle	2	1	18.42	8.20	32.73	97.3	7.51	1.6	2.6
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10A(N)	14:52	7	Middle	2	2	18.42	8.21	32.73	96.9	7.48	1.5	2.5
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10A(N)	14:52	13	Bottom	3	1	18.43	8.21	32.72	96.5	7.45	1.8	3.9
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10A(N)	14:52	13	Bottom	3	2	18.42	8.21	32.74	96.4	7.44	1.7	3.9
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10B(N2)	15:01	1.0	Surface	1	1	18.42	8.19	32.72	95.8	7.40	1.1	2.7
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10B(N2)	15:01	1.0	Surface	1	2	18.42	8.18	32.73	95.3	7.36	1.1	3.6
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10B(N2)	15:01	4.1	Middle	2	1	18.42	8.18	32.74	95.1	7.34	1.2	2.7
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10B(N2)	15:01	4.1	Middle	2	2	18.42	8.19	32.72	95.5	7.37	1.3	2.4
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10B(N2)	15:01	7.1	Bottom	3	1	18.42	8.19	32.72	95.0	7.33	1.5	4.5
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	SR10B(N2)	15:01	7.1	Bottom	3	2	18.43	8.20	32.72	95.5	7.37	1.4	5.7
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS2(A)	12:42	1.0	Surface	1	1	18.05	8.26	31.89	100.9	7.89	2.4	5.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS2(A)	12:42	1.0	Surface	1	2	17.91	8.29	31.94	99.7	7.81	2.4	5.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS2(A)	12:42	4.1	Middle	2	1	17.91	8.27	31.96	100.2	7.85	2.5	4.1
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS2(A)	12:42	4.1	Middle	2	2	17.82	8.31	32.03	98.9	7.76	2.6	4.0
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS2(A)	12:42	7.1	Bottom	3	1	17.90	8.28	31.99	99.9	7.82	2.7	6.1
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS2(A)	12:41	7.1	Bottom	3	2	17.79	8.32	32.16	98.4	7.71	2.8	5.7
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS(Mf)5	14:41	1.0	Surface	1	1	18.36	8.07	29.18	93.1	7.35	3.3	2.9
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS(Mf)5	14:42	1.0	Surface	1	2	18.35	8.07	29.27	92.5	7.30	3.3	3.3
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS(Mf)5	14:40	6.6	Middle	2	1	18.32	8.07	29.35	92.2	7.28	7.4	7.2
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS(Mf)5	14:42	6.6	Middle	2	2	18.32	8.07	29.41	92.1	7.27	7.5	8.7
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS(Mf)5	14:40	12.2	Bottom	3	1	18.31	8.07	29.47	92.1	7.27	10.7	10.4
HKLR	HY/2011/03	2017-12-27	Mid-Flood	Sunny	CS(Mf)5	14:42	12.2	Bottom	3	2	18.31	8.07	29.53	92.1	7.26	10.3	10.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS5	9:40	1.0	Surface	1	1	18.43	8.04	29.29	100.2	7.89	4.8	9.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS5	9:41	1.0	Surface	1	2	18.43	8.04	29.30	99.1	7.81	4.8	10.7
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS5	9:41	4.2	Middle	2	1	18.42	8.04	29.34	99.0	7.80	4.8	9.1
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS5	9:40	4.2	Middle	2	2	18.41	8.03	29.33	99.7	7.85	4.7	9.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS5	9:40	7.3	Bottom	3	1	18.41	8.03	29.35	99.5	7.84	4.9	9.8
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS5	9:40	7.3	Bottom	3	2	18.41	8.04	29.36	99.0	7.80	4.7	9.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS(Mf)6	9:32	1.0	Surface	1	1	18.45	8.03	29.26	100.7	7.94	6.6	6.0
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS(Mf)6	9:32	1.0	Surface	1	2	18.45	8.03	29.27	100.5	7.92	6.5	5.6
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS(Mf)6	9:32	2.1	Bottom	3	1	18.45	8.03	29.28	100.6	7.92	6.6	7.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS(Mf)6	9:31	2.1	Bottom	3	2	18.42	8.03	29.28	101.2	7.98	6.5	6.9
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS7	9:24	1.0	Surface	1	1	18.40	8.05	29.11	101.7	8.02	3.8	5.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS7	9:23	1.0	Surface	1	2	18.40	8.04	29.09	101.7	8.03	3.7	4.7
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS7	9:24	2.1	Bottom	3	1	18.41	8.05	29.20	101.6	8.02	3.6	4.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS7	9:23	2.1	Bottom	3	2	18.41	8.03	29.20	102.1	8.05	3.8	4.1
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS8	8:56	1.0	Surface	1	1	18.37	8.02	29.12	101.7	8.03	6.8	8.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS8	8:56	1.0	Surface	1	2	18.36	8.02	29.07	101.9	8.05	6.7	9.0
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS8	8:56	3.1	Bottom	3	1	18.36	8.02	29.15	101.7	8.03	8.2	11.1
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS8	8:55	3.1	Bottom	3	2	18.36	8.00	29.13	102.1	8.06	8.3	9.7
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS(Mf)9	9:15	1.0	Surface	1	1	18.45	8.03	29.28	102.2	8.05	5.5	5.9
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS(Mf)9	9:14	1.0	Surface	1	2	18.47	8.03	29.26	102.4	8.06	5.6	6.0
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS(Mf)9	9:15	2.6	Bottom	3	1	18.43	8.03	29.30	102.2	8.05	5.9	6.6
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS(Mf)9	9:14	2.6	Bottom	3	2	18.42	8.02	29.29	102.3	8.06	5.9	5.9
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS10(N)	9:11	1.0	Surface	1	1	18.25	8.20	31.54	100.9	7.87	1.8	6.8
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS10(N)	9:12	1.0	Surface	1	2	18.25	8.20	31.54	100.7	7.85	1.9	6.2
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS10(N)	9:12	5.4	Middle	2	1	18.24	8.20	31.78	100.5	7.83	2.1	6.2
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS10(N)	9:11	5.4	Middle	2	2	18.25	8.19	31.79	100.7	7.84	2.0	5.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS10(N)	9:11	9.7	Bottom	3	1	18.27	8.19	31.92	100.9	7.85	2.1	5.5
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	IS10(N)	9:12	9.7	Bottom	3	2	18.26	8.19	31.80	100.7	7.84	2.2	5.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR3(N)	9:50	1.0	Surface	1	1	18.44	8.03	29.25	99.8	7.87	5.4	4.0
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR3(N)	9:50	1.0	Surface	1	2	18.45	8.03	29.27	99.4	7.83	5.5	3.7
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR3(N)	9:50	2.2	Bottom	3	1	18.41	8.03	29.28	100.2	7.90	5.6	7.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR3(N)	9:50	2.2	Bottom	3	2	18.40	8.03	29.29	99.6	7.85	5.6	7.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR4(N)	9:03	1.0	Surface	1	1	18.43	8.06	29.00	99.1	7.82	3.9	3.2
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR4(N)	9:03	1.0	Surface	1	2	18.44	8.06	28.98	100.1	7.90	4.0	2.5
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR4(N)	9:03	2.8	Bottom	3	1	18.43	8.06	29.02	99.6	7.86	4.0	2.9
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR4(N)	9:02	2.8	Bottom	3	2	18.40	8.05	29.02	100.6	7.94	4.1	3.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR5(N)	9:24	1.0	Surface	1	1	18.25	8.20	31.55	100.9	7.86	1.3	6.1
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR5(N)	9:24	1.0	Surface	1	2	18.25	8.20	31.52	100.7	7.86	1.4	5.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR5(N)	9:23	4.4	Middle	2	1	18.27	8.19	31.78	100.6	7.83	1.6	5.0
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR5(N)	9:24	4.4	Middle	2	2	18.26	8.20	31.81	100.6	7.83	1.5	5.8
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR5(N)	9:23	7.7	Bottom	3	1	18.27	8.19	31.76	100.4	7.82	1.9	6.0
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR5(N)	9:24	7.7	Bottom	3	2	18.26	8.20	31.83	100.4	7.83	1.8	5.2
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10A(N)	8:13	1.0	Surface	1	1	18.45	8.19	32.67	94.1	7.26	1.4	3.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10A(N)	8:12	1.0	Surface	1	2	18.45	8.17	32.67	94.4	7.29	1.5	4.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10A(N)	8:12	6.9	Middle	2	1	18.45	8.16	32.67	93.7	7.23	1.6	4.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10A(N)	8:12	6.9	Middle	2	2	18.45	8.19	32.67	94.2	7.27	1.6	4.0
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10A(N)	8:12	12.8	Bottom	3	1	18.45	8.16	32.67	93.6	7.23	1.8	4.5
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10A(N)	8:12	12.8	Bottom	3	2	18.45	8.18	32.67	93.7	7.23	1.7	4.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10B(N2)	8:01	1.0	Surface	1	1	18.44	8.16	32.67	99.9	7.72	1.2	1.1
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10B(N2)	8:02	1.0	Surface	1	2	18.45	8.11	32.67	98.8	7.63	1.2	1.5
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10B(N2)	8:01	3.9	Middle	2	1	18.44	8.14	32.67	96.4	7.44	1.3	1.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10B(N2)	8:02	3.9	Middle	2	2	18.45	8.10	32.67	97.8	7.55	1.4	1.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10B(N2)	8:01	6.8	Bottom	3	1	18.44	8.12	32.67	95.6	7.38	1.5	2.1
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	SR10B(N2)	8:02	6.8	Bottom	3	2	18.45	8.13	32.67	95.9	7.41	1.6	2.9
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS2(A)	10:15	1.0	Surface	1	1	18.19	8.23	31.95	100.7	7.85	3.1	3.6
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS2(A)	10:14	1.0	Surface	1	2	18.14	8.25	31.96	100.6	7.84	3.2	2.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS2(A)	10:15	4.0	Middle	2	1	18.10	8.24	32.04	100.4	7.83	3.3	3.6
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS2(A)	10:14	4.0	Middle	2	2	18.07	8.26	32.03	100.2	7.82	3.4	2.5
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS2(A)	10:15	7.0	Bottom	3	1	18.12	8.24	32.13	100.4	7.82	3.5	4.5
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS2(A)	10:14	7.0	Bottom	3	2	18.11	8.28	32.14	100.2	7.81	3.6	5.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS(Mf)5	8:29	1.0	Surface	1	1	18.33	7.95	29.54	95.9	7.53	2.1	2.4
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS(Mf)5	8:28	1.0	Surface	1	2	18.32	7.91	30.19	97.7	7.59	2.1	2.9
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS(Mf)5	8:29	6.1	Middle	2	1	18.38	7.92	29.96	95.5	7.52	2.2	2.3
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS(Mf)5	8:28	6.1	Middle	2	2	18.38	7.86	30.88	96.4	7.57	2.1	2.8
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS(Mf)5	8:29	11.2	Bottom	3	1	18.42	7.91	30.22	95.3	7.49	2.2	4.5
HKLR	HY/2011/03	2017-12-29	Mid-Ebb	Sunny	CS(Mf)5	8:28	11.2	Bottom	3	2	18.43	7.85	31.58	96.4	7.53	2.2	5.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS5	14:12	1.0	Surface	1	1	18.94	8.12	28.65	101.4	7.94	5.2	6.4
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS5	14:12	1.0	Surface	1	2	18.85	8.12	28.63	100.6	7.89	5.0	5.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS5	14:12	4.4	Middle	2	1	18.78	8.11	28.74	100.7	7.91	5.1	7.0
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS5	14:12	4.4	Middle	2	2	18.75	8.12	28.68	99.8	7.85	5.1	6.2
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS5	14:11	7.7	Bottom	3	1	18.69	8.14	28.69	98.9	7.78	5.0	10.9
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS5	14:12	7.7	Bottom	3	2	18.70	8.12	28.78	100.3	7.89	5.2	9.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS(Mf)6	14:22	1.0	Surface	1	1	19.40	8.12	28.67	101.1	7.85	4.5	4.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS(Mf)6	14:22	1.0	Surface	1	2	19.29	8.14	28.72	104.5	8.13	4.7	3.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS(Mf)6	14:21	2.1	Bottom	3	1	19.43	8.13	28.63	100.9	7.83	5.8	3.4
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS(Mf)6	14:22	2.1	Bottom	3	2	19.17	8.14	28.74	102.9	8.02	5.7	4.6
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS7	14:36	1.0	Surface	1	1	18.96	8.14	28.68	106.0	8.30	6.2	6.6
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS7	14:36	1.0	Surface	1	2	19.05	8.14	28.54	104.8	8.19	6.1	5.9
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS7	14:36	2.3	Bottom	3	1	18.96	8.14	28.68	104.8	8.21	8.2	6.8
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS7	14:36	2.3	Bottom	3	2	18.88	8.15	28.63	103.1	8.08	8.6	5.2
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS8	15:08	1.0	Surface	1	1	18.85	8.16	28.84	104.0	8.15	6.2	7.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS8	15:08	1.0	Surface	1	2	18.94	8.16	28.78	103.4	8.09	6.2	8.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS8	15:08	3.1	Bottom	3	1	18.78	8.15	28.87	101.8	7.99	6.1	9.2
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS8	15:08	3.1	Bottom	3	2	18.79	8.16	28.87	103.5	8.12	6.1	7.6
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS(Mf)9	14:46	1.0	Surface	1	1	18.86	8.13	28.86	102.1	8.00	6.1	5.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS(Mf)9	14:46	1.0	Surface	1	2	18.86	8.13	28.89	104.2	8.16	5.7	6.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS(Mf)9	14:46	2.7	Bottom	3	1	18.77	8.13	28.91	103.3	8.11	5.9	9.3
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS(Mf)9	14:46	2.7	Bottom	3	2	18.78	8.14	28.87	100.2	7.86	6.1	10.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS10(N)	14:50	1.0	Surface	1	1	18.66	8.22	31.30	104.1	8.02	2.5	3.9
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS10(N)	14:49	1.0	Surface	1	2	19.04	8.21	31.10	104.1	8.07	2.6	2.3
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS10(N)	14:49	5.4	Middle	2	1	18.33	8.22	31.59	103.0	8.02	2.9	2.2
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS10(N)	14:49	5.4	Middle	2	2	18.36	8.22	31.51	102.9	8.00	2.8	3.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS10(N)	14:49	9.8	Bottom	3	1	18.64	8.21	31.37	102.2	7.96	3.1	3.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	IS10(N)	14:49	9.8	Bottom	3	2	18.42	8.21	31.61	102.6	7.96	3.0	3.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR3(N)	14:03	1.0	Surface	1	1	18.75	8.11	27.34	100.4	7.95	5.5	3.8
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR3(N)	14:03	1.0	Surface	1	2	18.64	8.14	27.11	99.5	7.91	5.4	5.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR3(N)	14:03	2.3	Bottom	3	1	18.57	8.14	26.76	98.4	7.85	5.6	6.2
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR3(N)	14:03	2.3	Bottom	3	2	18.66	8.12	27.22	99.9	7.93	5.5	5.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR4(N)	15:02	1.0	Surface	1	1	18.75	8.18	28.71	102.3	8.04	6.9	7.8
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR4(N)	15:02	1.0	Surface	1	2	18.73	8.18	28.68	101.0	7.94	6.8	7.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR4(N)	15:02	2.7	Bottom	3	1	18.77	8.18	28.68	100.0	7.85	6.9	7.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR4(N)	15:02	2.7	Bottom	3	2	18.68	8.18	28.71	101.3	7.97	7.1	7.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR5(N)	14:38	1.0	Surface	1	1	18.91	8.22	31.17	103.3	7.98	2.3	1.9
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR5(N)	14:38	1.0	Surface	1	2	19.05	8.22	31.09	103.0	7.94	2.2	1.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR5(N)	14:38	4.5	Middle	2	1	18.40	8.24	31.46	102.2	7.95	2.4	1.6
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR5(N)	14:38	4.5	Middle	2	2	18.44	8.25	31.42	101.0	7.85	2.6	1.8
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR5(N)	14:38	7.9	Bottom	3	1	18.61	8.23	31.35	102.7	7.96	2.7	8.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR5(N)	14:38	7.9	Bottom	3	2	18.42	8.25	31.46	100.8	7.84	2.8	8.4
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10A(N)	15:48	1.0	Surface	1	1	18.61	8.20	32.56	97.0	7.47	1.2	4.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10A(N)	15:49	1.0	Surface	1	2	18.59	8.20	32.57	97.8	7.53	1.1	4.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10A(N)	15:48	7	Middle	2	1	18.59	8.20	32.59	96.5	7.43	1.4	4.6
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10A(N)	15:49	7	Middle	2	2	18.59	8.19	32.60	96.8	7.45	1.3	5.6
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10A(N)	15:48	12.9	Bottom	3	1	18.59	8.20	32.59	95.7	7.37	1.6	4.0
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10A(N)	15:49	12.9	Bottom	3	2	18.60	8.20	32.57	96.0	7.39	1.5	4.8
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10B(N2)	15:58	1.0	Surface	1	1	18.58	8.18	32.60	95.5	7.35	1.2	3.4
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10B(N2)	15:58	1.0	Surface	1	2	18.59	8.19	32.58	95.0	7.32	1.3	4.4
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10B(N2)	15:58	4	Middle	2	1	18.58	8.19	32.60	94.2	7.26	1.6	4.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10B(N2)	15:58	4	Middle	2	2	18.58	8.18	32.60	94.8	7.30	1.5	3.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10B(N2)	15:58	6.9	Bottom	3	1	18.59	8.19	32.59	94.2	7.26	1.8	4.2
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	SR10B(N2)	15:58	6.9	Bottom	3	2	18.59	8.18	32.59	94.5	7.28	1.7	4.9
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS2(A)	13:47	1.0	Surface	1	1	18.85	8.23	31.25	102.5	7.92	2.3	3.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS2(A)	13:48	1.0	Surface	1	2	18.82	8.23	31.26	103.5	8.00	2.2	4.1
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS2(A)	13:47	4.0	Middle	2	1	18.61	8.23	31.47	101.2	7.84	2.4	4.3
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS2(A)	13:47	4.0	Middle	2	2	18.52	8.23	31.54	102.8	7.98	2.4	3.8
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS2(A)	13:47	7.0	Bottom	3	1	18.63	8.23	31.55	102.3	7.92	2.6	6.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS2(A)	13:47	7.0	Bottom	3	2	18.19	8.21	32.07	99.7	7.76	2.5	5.4
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS(Mf)5	15:35	1.0	Surface	1	1	18.51	8.12	28.89	98.8	7.79	2.4	0.7
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS(Mf)5	15:35	1.0	Surface	1	2	18.49	8.12	28.94	97.8	7.71	2.3	0.8
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS(Mf)5	15:34	6.3	Middle	2	1	18.39	8.09	29.16	98.8	7.79	3.3	1.9
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS(Mf)5	15:35	6.3	Middle	2	2	18.39	8.09	29.17	97.7	7.70	3.2	1.6
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS(Mf)5	15:35	11.5	Bottom	3	1	18.40	8.09	29.34	96.9	7.65	3.6	1.5
HKLR	HY/2011/03	2017-12-29	Mid-Flood	Sunny	CS(Mf)5	15:34	11.5	Bottom	3	2	18.40	8.09	29.29	97.9	7.72	3.3	1.4

Water Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS5	12:50	1.0	Surface	1	1	18.51	8.06	29.08	101.8	8.02	6.2	11.4
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS5	12:50	1.0	Surface	1	2	18.51	8.06	29.06	102.1	8.05	6.3	11.4
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS5	12:50	4.2	Middle	2	1	18.51	8.06	29.11	101.7	8.01	6.2	10.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS5	12:50	4.2	Middle	2	2	18.51	8.06	29.08	102.1	8.04	6.4	10.0
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS5	12:50	7.4	Bottom	3	1	18.51	8.06	29.12	101.7	8.01	6.5	10.2
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS5	12:49	7.4	Bottom	3	2	18.49	8.06	29.09	102.1	8.04	6.6	11.9
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS(Mf)6	12:41	1.0	Surface	1	1	18.74	8.08	29.11	103.6	8.13	5.5	9.4
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS(Mf)6	12:41	1.0	Surface	1	2	18.74	8.08	29.09	103.5	8.11	5.6	10.1
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS(Mf)6	12:41	2.1	Bottom	3	1	18.74	8.08	29.11	103.6	8.12	5.5	11.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS(Mf)6	12:41	2.1	Bottom	3	2	18.72	8.09	29.10	103.0	8.08	5.5	12.9
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS7	12:34	1.0	Surface	1	1	18.81	8.11	29.10	108.4	8.49	4.9	10.4
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS7	12:33	1.0	Surface	1	2	18.81	8.11	29.07	107.0	8.38	4.7	10.2
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS7	12:33	2.2	Bottom	3	1	18.76	8.10	29.12	107.8	8.45	4.8	11.6
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS7	12:33	2.2	Bottom	3	2	18.80	8.11	29.07	104.9	8.22	4.8	12.7
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS8	12:08	1.0	Surface	1	1	18.72	8.10	28.80	105.3	8.27	3.2	7.1
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS8	12:08	1.0	Surface	1	2	18.72	8.10	28.76	103.8	8.16	3.3	6.0
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS8	12:08	3.1	Bottom	3	1	18.74	8.10	28.84	104.5	8.20	3.3	7.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS8	12:08	3.1	Bottom	3	2	18.74	8.11	28.79	102.8	8.08	3.3	7.7
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS(Mf)9	12:26	1.0	Surface	1	1	18.73	8.07	29.01	106.6	8.37	5.6	10.6
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS(Mf)9	12:26	1.0	Surface	1	2	18.72	8.06	28.98	106.1	8.33	5.6	10.8
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS(Mf)9	12:26	2.7	Bottom	3	1	18.75	8.06	29.07	105.4	8.27	5.6	12.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS(Mf)9	12:26	2.7	Bottom	3	2	18.74	8.07	29.10	106.4	8.34	5.5	10.9
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS10(N)	12:05	1.0	Surface	1	1	18.60	8.40	31.22	104.7	8.13	2.0	5.7
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS10(N)	12:05	1.0	Surface	1	2	18.59	8.39	31.24	104.7	8.13	1.9	5.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS10(N)	12:05	5.3	Middle	2	1	18.54	8.40	31.53	104.3	8.09	2.0	7.5
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS10(N)	12:04	5.3	Middle	2	2	18.54	8.39	31.52	104.5	8.11	1.9	6.1
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS10(N)	12:05	9.6	Bottom	3	1	18.56	8.39	31.50	104.5	8.11	2.1	6.1
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	IS10(N)	12:04	9.6	Bottom	3	2	18.55	8.39	31.55	104.7	8.12	2.2	6.7
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR3(N)	12:59	1.0	Surface	1	1	18.78	8.09	29.02	105.0	8.23	5.4	8.2
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR3(N)	12:59	1.0	Surface	1	2	18.78	8.09	29.06	105.7	8.29	5.4	8.1
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR3(N)	12:59	2.3	Bottom	3	1	18.78	8.09	29.06	105.3	8.26	5.3	9.9
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR3(N)	12:59	2.3	Bottom	3	2	18.77	8.09	28.99	104.3	8.18	5.6	9.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR4(N)	12:14	1.0	Surface	1	1	18.75	8.07	28.84	103.3	8.11	3.2	8.0
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR4(N)	12:15	1.0	Surface	1	2	18.74	8.06	28.88	103.4	8.12	3.2	9.9
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR4(N)	12:14	2.7	Bottom	3	1	18.73	8.07	28.83	103.1	8.10	3.3	10.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR4(N)	12:14	2.7	Bottom	3	2	18.74	8.07	28.88	103.3	8.11	3.2	10.0
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR5(N)	12:13	1.0	Surface	1	1	18.60	8.40	31.08	103.6	8.05	1.8	7.8
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR5(N)	12:13	1.0	Surface	1	2	18.61	8.40	31.08	103.4	8.03	1.7	9.2
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR5(N)	12:13	4.2	Middle	2	1	18.50	8.40	31.39	103.0	8.01	1.8	10.0
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR5(N)	12:12	4.2	Middle	2	2	18.48	8.40	31.44	103.1	8.02	1.9	9.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR5(N)	12:13	7.4	Bottom	3	1	18.50	8.40	31.46	103.1	8.00	2.4	9.5
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR5(N)	12:12	7.4	Bottom	3	2	18.47	8.40	31.52	103.3	8.02	2.4	9.5
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10A(N)	11:12	1.0	Surface	1	1	18.63	8.29	32.34	94.6	7.29	1.1	7.8
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10A(N)	11:11	1.0	Surface	1	2	18.63	8.28	32.38	94.4	7.28	1.1	6.0
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10A(N)	11:11	6.9	Middle	2	1	18.63	8.29	32.35	94.3	7.27	1.5	6.0
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10A(N)	11:11	6.9	Middle	2	2	18.63	8.28	32.38	94.2	7.26	1.4	7.0
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10A(N)	11:11	12.7	Bottom	3	1	18.63	8.29	32.36	94.1	7.25	1.8	7.4
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10A(N)	11:11	12.7	Bottom	3	2	18.63	8.28	32.38	94.2	7.26	1.8	8.7
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10B(N2)	10:57	1.0	Surface	1	1	18.63	8.23	32.40	94.0	7.24	1.4	7.6
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10B(N2)	10:57	1.0	Surface	1	2	18.64	8.21	32.42	93.7	7.22	1.5	8.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10B(N2)	10:56	3.5	Middle	2	1	18.64	8.20	32.45	93.7	7.21	1.7	8.2
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10B(N2)	10:57	3.5	Middle	2	2	18.64	8.22	32.43	93.5	7.20	1.8	9.5
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10B(N2)	10:56	6.0	Bottom	3	1	18.64	8.19	32.45	93.7	7.22	2.0	8.3
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	SR10B(N2)	10:57	6.0	Bottom	3	2	18.64	8.21	32.44	93.5	7.20	1.9	8.2
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS2(A)	13:06	1.0	Surface	1	1	18.32	8.37	31.55	100.9	7.86	7.5	8.6
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS2(A)	13:07	1.0	Surface	1	2	18.33	8.37	31.54	100.4	7.82	7.4	9.5
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS2(A)	13:07	3.8	Middle	2	1	18.18	8.37	31.82	99.9	7.79	7.6	9.9
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS2(A)	13:06	3.8	Middle	2	2	18.16	8.37	31.87	100.3	7.82	7.7	10.8
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS2(A)	13:06	6.6	Bottom	3	1	18.16	8.37	31.88	100.4	7.83	7.9	10.7
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS2(A)	13:07	6.6	Bottom	3	2	18.18	8.37	31.83	99.9	7.79	7.8	9.6
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS(Mf)5	11:42	1.0	Surface	1	1	18.68	7.89	31.19	97.8	7.51	2.4	5.6
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS(Mf)5	11:42	1.0	Surface	1	2	18.70	7.94	30.04	96.2	7.51	2.4	5.8
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS(Mf)5	11:42	6.3	Middle	2	1	18.68	7.90	30.66	96.0	7.45	2.4	7.9
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS(Mf)5	11:41	6.3	Middle	2	2	18.69	7.86	31.79	96.3	7.46	2.4	8.9
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS(Mf)5	11:41	11.5	Bottom	3	1	18.69	7.85	32.63	96.2	7.44	2.4	10.2
HKLR	HY/2011/03	2018-01-01	Mid-Ebb	Sunny	CS(Mf)5	11:42	11.5	Bottom	3	2	18.68	7.89	30.99	95.1	7.40	2.4	9.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS5	16:27	1.0	Surface	1	1	18.71	8.10	29.44	104.0	8.14	4.1	8.8
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS5	16:27	1.0	Surface	1	2	18.70	8.10	29.47	104.4	8.17	4.1	7.1
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS5	16:27	4.4	Middle	2	1	18.71	8.09	29.49	103.7	8.12	4.1	7.7
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS5	16:27	4.4	Middle	2	2	18.71	8.10	29.51	104.1	8.15	4.1	7.8
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS5	16:27	7.8	Bottom	3	1	18.72	8.10	29.52	103.9	8.13	4.2	9.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS5	16:26	7.8	Bottom	3	2	18.70	8.09	29.50	103.1	8.07	4.2	9.9
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS(Mf)6	16:36	1.0	Surface	1	1	18.80	8.17	29.37	109.5	8.56	4.9	8.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS(Mf)6	16:36	1.0	Surface	1	2	18.79	8.16	29.31	107.6	8.42	4.7	8.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS(Mf)6	16:36	2.3	Bottom	3	1	18.79	8.16	29.36	109.0	8.52	5.1	9.7
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS(Mf)6	16:36	2.3	Bottom	3	2	18.76	8.15	29.27	105.8	8.29	5.1	8.1
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS7	16:44	1.0	Surface	1	1	18.72	8.15	29.18	106.3	8.34	3.1	9.5
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS7	16:44	1.0	Surface	1	2	18.72	8.15	29.25	107.1	8.39	3.1	8.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS7	16:44	2.2	Bottom	3	1	18.73	8.15	29.15	105.5	8.27	3.1	10.8
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS7	16:44	2.2	Bottom	3	2	18.74	8.15	29.26	106.9	8.37	3.2	9.7
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS8	17:08	1.0	Surface	1	1	18.59	8.11	29.05	104.1	8.19	3.6	9.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS8	17:08	1.0	Surface	1	2	18.61	8.12	29.11	104.6	8.22	3.6	8.7
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS8	17:08	3.3	Bottom	3	1	18.54	8.12	29.03	103.2	8.13	3.8	12.5
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS8	17:08	3.3	Bottom	3	2	18.61	8.12	29.10	104.3	8.20	3.7	11.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS(Mf)9	16:52	1.0	Surface	1	1	18.80	8.17	29.30	108.6	8.50	3.6	13.9
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS(Mf)9	16:52	1.0	Surface	1	2	18.79	8.17	29.24	106.4	8.33	3.4	12.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS(Mf)9	16:52	2.8	Bottom	3	1	18.71	8.16	29.27	104.2	8.17	3.6	14.0
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS(Mf)9	16:52	2.8	Bottom	3	2	18.81	8.17	29.33	108.1	8.46	3.7	14.6
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS10(N)	17:08	1.0	Surface	1	1	18.56	8.43	31.64	103.7	8.04	5.4	7.7
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS10(N)	17:08	1.0	Surface	1	2	18.56	8.43	31.64	103.7	8.04	5.3	8.9
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS10(N)	17:08	5.4	Middle	2	1	18.56	8.43	31.64	103.4	8.02	5.8	7.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS10(N)	17:07	5.4	Middle	2	2	18.56	8.43	31.64	103.5	8.02	5.9	8.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS10(N)	17:07	9.7	Bottom	3	1	18.56	8.43	31.64	103.3	8.01	6.0	7.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	IS10(N)	17:08	9.7	Bottom	3	2	18.56	8.43	31.64	103.4	8.01	5.9	8.2
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR3(N)	16:19	1.0	Surface	1	1	18.46	8.11	28.62	103.2	8.16	4.4	10.2
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR3(N)	16:19	1.0	Surface	1	2	18.49	8.10	28.74	103.5	8.17	4.5	9.6
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR3(N)	16:18	2.3	Bottom	3	1	18.48	8.12	28.46	103.0	8.15	4.3	8.6
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR3(N)	16:19	2.3	Bottom	3	2	18.51	8.10	28.73	103.4	8.16	4.4	8.6
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR4(N)	17:03	1.0	Surface	1	1	18.64	8.13	29.13	104.3	8.20	4.7	6.2
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR4(N)	17:03	1.0	Surface	1	2	18.65	8.14	29.16	104.9	8.23	4.8	6.5
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR4(N)	17:03	2.8	Bottom	3	1	18.65	8.13	29.16	104.6	8.22	4.9	5.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR4(N)	17:03	2.8	Bottom	3	2	18.61	8.12	29.14	103.6	8.14	5.0	6.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR5(N)	16:56	1.0	Surface	1	1	18.54	8.43	31.15	103.1	8.02	1.5	5.5
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR5(N)	16:57	1.0	Surface	1	2	18.53	8.43	31.18	103.2	8.02	1.4	6.0
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR5(N)	16:57	4.2	Middle	2	1	18.53	8.43	31.25	102.7	7.98	1.7	5.5
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR5(N)	16:56	4.2	Middle	2	2	18.51	8.43	31.32	102.5	7.97	1.8	5.6
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR5(N)	16:56	7.4	Bottom	3	1	18.49	8.42	31.52	102.5	7.96	2.0	7.7
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR5(N)	16:57	7.4	Bottom	3	2	18.49	8.42	31.43	102.5	7.97	1.9	8.9
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10A(N)	18:11	1.0	Surface	1	1	18.66	8.35	32.38	94.4	7.27	1.3	9.1
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10A(N)	18:12	1.0	Surface	1	2	18.65	8.35	32.36	94.2	7.25	1.4	8.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10A(N)	18:11	6.8	Middle	2	1	18.66	8.35	32.38	94.3	7.26	1.5	8.2
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10A(N)	18:11	6.8	Middle	2	2	18.66	8.35	32.38	94.1	7.24	1.5	9.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10A(N)	18:11	12.6	Bottom	3	1	18.66	8.35	32.38	94.0	7.24	1.9	8.7
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10A(N)	18:11	12.6	Bottom	3	2	18.66	8.35	32.37	94.2	7.25	1.8	9.9
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10B(N2)	18:20	1.0	Surface	1	1	18.64	8.33	32.44	93.5	7.20	1.8	9.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10B(N2)	18:19	1.0	Surface	1	2	18.65	8.33	32.44	93.6	7.21	1.5	8.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10B(N2)	18:19	3.6	Middle	2	1	18.65	8.33	32.44	93.5	7.20	1.8	8.2
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10B(N2)	18:20	3.6	Middle	2	2	18.65	8.33	32.44	93.4	7.19	1.8	9.3
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10B(N2)	18:19	6.1	Bottom	3	1	18.65	8.33	32.44	93.4	7.19	2.0	8.6
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	SR10B(N2)	18:19	6.1	Bottom	3	2	18.65	8.33	32.44	93.5	7.20	1.9	7.9
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS2(A)	16:00	1.0	Surface	1	1	18.38	8.46	31.31	104.1	8.12	2.4	9.0
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS2(A)	16:01	1.0	Surface	1	2	18.38	8.45	31.32	103.4	8.05	2.5	8.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS2(A)	16:00	3.8	Middle	2	1	18.32	8.45	31.42	103.8	8.09	3.5	8.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS2(A)	16:01	3.8	Middle	2	2	18.32	8.45	31.44	102.6	8.00	3.6	8.2
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS2(A)	16:01	6.5	Bottom	3	1	18.26	8.45	31.63	102.8	8.01	4.3	9.0
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS2(A)	16:00	6.5	Bottom	3	2	18.29	8.45	31.51	103.9	8.10	4.2	7.9
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS(Mf)5	17:35	1.0	Surface	1	1	18.69	8.09	29.41	97.1	7.60	4.3	5.7
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS(Mf)5	17:35	1.0	Surface	1	2	18.69	8.08	29.44	100.0	7.83	4.4	3.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS(Mf)5	17:35	6.5	Middle	2	1	18.68	8.07	29.60	96.7	7.57	6.6	3.9
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS(Mf)5	17:35	6.5	Middle	2	2	18.68	8.07	29.55	98.2	7.69	6.7	5.5
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS(Mf)5	17:34	12.0	Bottom	3	1	18.68	8.07	29.54	97.8	7.66	6.6	6.4
HKLR	HY/2011/03	2018-01-01	Mid-Flood	Sunny	CS(Mf)5	17:35	12.0	Bottom	3	2	18.69	8.08	29.59	96.5	7.55	6.5	5.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS5	12:41	1.0	Surface	1	1	18.70	8.07	27.47	100.3	7.95	3.8	6.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS5	12:41	1.0	Surface	1	2	18.62	8.07	27.56	101.0	8.01	3.9	6.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS5	12:40	4.2	Middle	2	1	18.66	8.08	27.55	99.2	7.86	3.6	10.2
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS5	12:41	4.2	Middle	2	2	18.56	8.07	27.63	100.6	7.99	3.8	9.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS5	12:41	7.3	Bottom	3	1	18.57	8.07	27.64	100.4	7.97	3.9	10.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS5	12:40	7.3	Bottom	3	2	18.61	8.10	27.54	97.6	7.74	3.8	9.8
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS(Mf)6	13:04	1.0	Surface	1	1	18.83	8.07	27.62	99.0	7.82	4.5	6.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS(Mf)6	13:05	1.0	Surface	1	2	18.83	8.05	27.71	102.9	8.12	4.6	5.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS(Mf)6	13:05	2.1	Bottom	3	1	18.81	8.06	27.70	101.1	7.98	4.6	12.1
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS(Mf)6	13:04	2.1	Bottom	3	2	18.86	8.13	27.55	95.8	7.57	4.8	11.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS7	13:12	1.0	Surface	1	1	18.90	8.11	27.93	104.1	8.19	4.7	14.1
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS7	13:12	1.0	Surface	1	2	18.90	8.11	27.94	106.9	8.42	4.6	15.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS7	13:12	2.0	Bottom	3	1	18.89	8.11	27.97	105.5	8.30	4.8	14.3
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS7	13:12	2.0	Bottom	3	2	18.89	8.11	27.93	101.6	8.00	4.7	15.8
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS8	13:39	1.0	Surface	1	1	18.81	8.08	27.72	101.3	8.00	5.5	10.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS8	13:39	1.0	Surface	1	2	18.86	8.08	27.67	100.9	7.96	5.5	9.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS8	13:39	2.9	Bottom	3	1	18.78	8.08	27.76	100.9	7.97	5.6	10.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS8	13:38	2.9	Bottom	3	2	18.77	8.08	27.73	100.1	7.91	5.5	9.2
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS(Mf)9	13:20	1.0	Surface	1	1	18.93	8.09	27.79	102.7	8.09	4.6	9.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS(Mf)9	13:21	1.0	Surface	1	2	18.91	8.09	27.82	104.4	8.22	4.5	10.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS(Mf)9	13:21	2.5	Bottom	3	1	18.82	8.09	27.90	103.4	8.16	4.8	10.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS(Mf)9	13:20	2.5	Bottom	3	2	18.85	8.09	27.83	101.0	7.96	4.8	11.1
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS10(N)	13:25	1.0	Surface	1	1	18.70	8.19	31.19	100.4	7.78	3.2	9.9
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS10(N)	13:26	1.0	Surface	1	2	18.69	8.19	31.19	100.4	7.78	3.1	10.3
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS10(N)	13:25	5.2	Middle	2	1	18.66	8.20	31.20	100.2	7.77	3.5	9.5
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS10(N)	13:25	5.2	Middle	2	2	18.65	8.19	31.21	100.1	7.77	3.4	8.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS10(N)	13:25	9.4	Bottom	3	1	18.67	8.19	31.19	100.2	7.77	3.6	10.1
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	IS10(N)	13:25	9.4	Bottom	3	2	18.67	8.20	31.19	100.2	7.77	3.7	10.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR3(N)	12:33	1.0	Surface	1	1	18.78	8.09	25.99	94.6	7.55	4.7	9.8
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR3(N)	12:33	1.0	Surface	1	2	18.78	8.04	26.19	98.0	7.82	4.6	10.5
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR3(N)	12:32	2.3	Bottom	3	1	18.73	8.08	25.83	89.1	7.13	4.8	9.3
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR3(N)	12:33	2.3	Bottom	3	2	18.74	8.06	26.10	96.6	7.71	4.8	9.3
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR4(N)	13:32	1.0	Surface	1	1	19.07	8.08	27.71	100.6	7.90	6.0	6.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR4(N)	13:32	1.0	Surface	1	2	19.07	8.10	27.64	98.9	7.78	6.0	5.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR4(N)	13:32	2.5	Bottom	3	1	19.04	8.12	27.61	97.7	7.69	6.0	8.8
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR4(N)	13:32	2.5	Bottom	3	2	19.01	8.09	27.73	99.8	7.85	6.1	8.8

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	2018-01-03	Mid-Ebb	Sunny	SR5(N)	13:14	1.0	Surface	1	1	18.70	8.21	31.19	100.2	7.77	2.6	6.1
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR5(N)	13:14	1.0	Surface	1	2	18.68	8.22	31.19	99.7	7.73	2.4	6.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR5(N)	13:14	4.1	Middle	2	1	18.65	8.21	31.20	99.1	7.68	2.7	7.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR5(N)	13:14	4.1	Middle	2	2	18.67	8.23	31.19	99.4	7.71	2.9	5.8
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR5(N)	13:14	7.1	Bottom	3	1	18.67	8.22	31.19	98.1	7.61	3.1	10.3
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR5(N)	13:14	7.1	Bottom	3	2	18.67	8.24	31.21	96.5	7.49	3.2	11.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10A(N)	14:12	1.0	Surface	1	1	18.65	8.20	31.86	96.0	7.42	2.8	10.5
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10A(N)	14:12	1.0	Surface	1	2	18.65	8.18	31.86	96.3	7.44	2.9	10.5
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10A(N)	14:11	6.8	Middle	2	1	18.65	8.21	31.86	95.9	7.41	3.0	9.3
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10A(N)	14:12	6.8	Middle	2	2	18.65	8.19	31.86	96.0	7.42	3.1	9.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10A(N)	14:12	12.5	Bottom	3	1	18.64	8.19	31.86	95.3	7.37	3.3	10.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10A(N)	14:11	12.5	Bottom	3	2	18.66	8.22	31.86	94.9	7.33	3.2	11.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10B(N2)	14:24	1.0	Surface	1	1	18.67	8.15	31.83	97.4	7.53	3.2	7.2
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10B(N2)	14:24	1.0	Surface	1	2	18.63	8.15	31.88	98.6	7.62	3.1	8.2
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10B(N2)	14:24	3.7	Middle	2	1	18.63	8.15	31.88	96.8	7.48	3.4	7.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10B(N2)	14:23	3.7	Middle	2	2	18.65	8.17	31.86	96.7	7.47	3.3	7.6
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10B(N2)	14:24	6.4	Bottom	3	1	18.64	8.15	31.87	96.1	7.43	3.5	14.2
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	SR10B(N2)	14:22	6.4	Bottom	3	2	18.65	8.17	31.86	96.1	7.43	3.6	15.9
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS2(A)	12:24	1.0	Surface	1	1	18.53	8.15	30.45	97.8	7.63	15.4	13.3
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS2(A)	12:23	1.0	Surface	1	2	18.62	8.15	30.33	98.1	7.66	15.2	13.7
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS2(A)	12:24	3.8	Middle	2	1	18.25	8.15	31.02	97.3	7.61	15.6	16.3
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS2(A)	12:23	3.8	Middle	2	2	18.52	8.15	30.48	97.3	7.61	15.5	15.5
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS2(A)	12:24	6.5	Bottom	3	1	18.32	8.15	30.97	96.1	7.51	15.8	17.4
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS2(A)	12:23	6.5	Bottom	3	2	18.26	8.15	31.01	94.2	7.37	15.7	17.0
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS(Mf)5	14:03	1.0	Surface	1	1	18.85	8.06	27.85	97.5	7.69	3.9	6.2
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS(Mf)5	14:02	1.0	Surface	1	2	18.85	8.06	27.76	97.5	7.69	3.9	6.9
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS(Mf)5	14:03	6.1	Middle	2	1	18.68	8.05	28.05	96.9	7.65	4.8	5.4
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS(Mf)5	14:02	6.1	Middle	2	2	18.71	8.06	27.91	96.6	7.63	4.7	5.8
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS(Mf)5	14:02	11.1	Bottom	3	1	18.63	8.06	28.11	96.2	7.60	5.6	6.1
HKLR	HY/2011/03	2018-01-03	Mid-Ebb	Sunny	CS(Mf)5	14:02	11.1	Bottom	3	2	18.64	8.05	28.22	96.8	7.64	5.5	5.4
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS5	8:44	1.0	Surface	1	1	18.40	8.04	28.74	100.8	7.97	5.2	8.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS5	8:43	1.0	Surface	1	2	18.40	8.03	28.70	101.6	8.04	5.2	8.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS5	8:43	4.3	Middle	2	1	18.39	8.02	28.69	101.2	8.01	5.2	8.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS5	8:44	4.3	Middle	2	2	18.39	8.04	28.74	100.7	7.97	5.3	7.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS5	8:44	7.6	Bottom	3	1	18.40	8.03	28.73	100.7	7.96	5.3	9.0
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS5	8:43	7.6	Bottom	3	2	18.39	8.02	28.67	101.1	8.00	5.2	9.0
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS(Mf)6	8:37	1.0	Surface	1	1	18.41	8.06	28.76	102.1	8.07	8.7	10.0
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS(Mf)6	8:36	1.0	Surface	1	2	18.41	8.06	28.74	102.3	8.09	8.9	11.1
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS(Mf)6	8:36	2.1	Bottom	3	1	18.39	8.05	28.70	102.2	8.08	8.8	13.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS(Mf)6	8:36	2.1	Bottom	3	2	18.41	8.06	28.75	102.1	8.07	8.8	14.3
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS7	8:29	1.0	Surface	1	1	18.39	8.04	28.76	101.7	8.04	5.4	9.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS7	8:28	1.0	Surface	1	2	18.39	8.04	28.74	101.8	8.05	5.5	9.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS7	8:29	2.2	Bottom	3	1	18.39	8.04	28.76	101.6	8.04	5.5	12.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS7	8:28	2.2	Bottom	3	2	18.37	8.04	28.72	101.7	8.05	5.5	12.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS8	8:03	1.0	Surface	1	1	18.41	7.97	28.58	99.5	7.87	4.1	6.6
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS8	8:03	1.0	Surface	1	2	18.39	7.96	28.56	100.3	7.95	4.1	4.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS8	8:02	2.9	Bottom	3	1	18.39	7.95	28.55	101.7	8.05	4.1	6.0
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS8	8:03	2.9	Bottom	3	2	18.40	7.97	28.58	100.0	7.92	4.2	6.3
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS(Mf)9	8:21	1.0	Surface	1	1	18.43	8.03	28.72	100.3	7.93	6.4	9.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS(Mf)9	8:20	1.0	Surface	1	2	18.43	8.02	28.69	101.8	8.05	6.3	10.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS(Mf)9	8:20	2.7	Bottom	3	1	18.42	8.02	28.68	101.1	8.00	6.3	9.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS(Mf)9	8:20	2.7	Bottom	3	2	18.43	8.02	28.72	100.1	7.91	6.6	9.6
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS10(N)	8:14	1.0	Surface	1	1	18.45	8.11	31.29	100.7	7.84	8.5	14.4
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS10(N)	8:13	1.0	Surface	1	2	18.45	8.19	31.29	101.7	7.91	8.3	15.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS10(N)	8:13	5.3	Middle	2	1	18.45	8.19	31.29	101.0	7.86	8.6	15.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS10(N)	8:14	5.3	Middle	2	2	18.45	8.13	31.31	100.1	7.79	8.7	15.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS10(N)	8:13	9.5	Bottom	3	1	18.45	8.18	31.26	99.8	7.77	8.8	17.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	IS10(N)	8:14	9.5	Bottom	3	2	18.45	8.13	31.31	99.8	7.77	8.9	16.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR3(N)	8:52	1.0	Surface	1	1	18.43	8.03	28.72	101.3	8.01	5.0	8.5
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR3(N)	8:52	1.0	Surface	1	2	18.42	8.02	28.70	101.8	8.05	5.3	8.0
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR3(N)	8:51	2.5	Bottom	3	1	18.39	8.02	28.69	102.0	8.07	5.3	10.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR3(N)	8:52	2.5	Bottom	3	2	18.43	8.02	28.71	101.6	8.04	5.2	9.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR4(N)	8:10	1.0	Surface	1	1	18.39	7.99	28.53	101.7	8.06	5.5	8.6
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR4(N)	8:10	1.0	Surface	1	2	18.39	8.00	28.57	99.6	7.89	5.3	9.9
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR4(N)	8:10	2.7	Bottom	3	1	18.37	7.98	28.51	100.3	7.95	5.5	13.5
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR4(N)	8:10	2.7	Bottom	3	2	18.39	7.99	28.56	98.8	7.83	5.5	13.3
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR5(N)	8:25	1.0	Surface	1	1	18.45	8.12	31.25	99.3	7.73	8.2	15.9
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR5(N)	8:24	1.0	Surface	1	2	18.45	8.12	31.27	99.3	7.73	8.1	16.1
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR5(N)	8:25	4.2	Middle	2	1	18.45	8.12	31.25	99.2	7.72	8.6	15.4
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR5(N)	8:24	4.2	Middle	2	2	18.44	8.12	31.34	99.2	7.72	8.5	14.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR5(N)	8:25	7.3	Bottom	3	1	18.45	8.12	31.25	99.2	7.72	8.8	16.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR5(N)	8:24	7.3	Bottom	3	2	18.45	8.11	31.32	99.3	7.72	8.7	17.4
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10A(N)	7:25	1.0	Surface	1	1	18.44	8.13	31.60	99.7	7.75	7.9	15.3
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10A(N)	7:24	1.0	Surface	1	2	18.44	8.19	31.61	99.9	7.77	7.8	15.5
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10A(N)	7:24	6.9	Middle	2	1	18.44	8.17	31.59	99.2	7.71	8.1	17.1
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10A(N)	7:24	6.9	Middle	2	2	18.44	8.12	31.60	99.8	7.76	8.0	17.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10A(N)	7:24	12.7	Bottom	3	1	18.44	8.11	31.60	99.3	7.71	8.3	22.9
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10A(N)	7:24	12.7	Bottom	3	2	18.44	8.15	31.59	99.2	7.70	8.2	22.8
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10B(N2)	7:13	1.0	Surface	1	1	18.44	8.16	31.60	103.5	8.05	8.4	17.6
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10B(N2)	7:13	1.0	Surface	1	2	18.44	8.17	31.60	103.9	8.08	8.5	16.4
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10B(N2)	7:13	3.7	Middle	2	1	18.44	8.13	31.60	102.4	7.96	8.6	18.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10B(N2)	7:13	3.7	Middle	2	2	18.44	8.14	31.60	103.4	8.03	8.7	18.0
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10B(N2)	7:13	6.4	Bottom	3	1	18.44	8.11	31.60	101.8	7.91	8.9	18.9
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	SR10B(N2)	7:13	6.4	Bottom	3	2	18.44	8.12	31.61	101.4	7.88	8.8	17.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS2(A)	9:12	1.0	Surface	1	1	18.52	8.16	31.04	100.4	7.81	12.2	19.1
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS2(A)	9:11	1.0	Surface	1	2	18.51	8.16	31.04	100.1	7.80	12.1	19.4
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS2(A)	9:11	3.9	Middle	2	1	18.51	8.16	31.05	99.6	7.76	12.3	22.9
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS2(A)	9:12	3.9	Middle	2	2	18.51	8.16	31.04	100.0	7.79	12.4	22.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS2(A)	9:11	6.7	Bottom	3	1	18.51	8.17	31.05	99.3	7.73	12.6	23.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS2(A)	9:11	6.7	Bottom	3	2	18.51	8.16	31.04	99.4	7.74	12.7	24.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS(Mf)5	7:41	1.0	Surface	1	1	18.52	7.93	28.80	97.7	7.70	7.9	8.7
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS(Mf)5	7:40	1.0	Surface	1	2	18.53	7.90	29.38	98.5	7.72	8.3	9.9
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS(Mf)5	7:40	6.0	Middle	2	1	18.53	7.89	29.65	98.2	7.70	10.6	12.1
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS(Mf)5	7:41	6.0	Middle	2	2	18.53	7.93	28.96	97.5	7.68	10.8	12.1
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS(Mf)5	7:41	11.0	Bottom	3	1	18.49	7.93	29.15	97.3	7.66	10.6	12.2
HKLR	HY/2011/03	2018-01-03	Mid-Flood	Sunny	CS(Mf)5	7:40	11.0	Bottom	3	2	18.49	7.88	30.33	98.2	7.70	10.6	11.8
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS5	14:25	1.0	Surface	1	1	18.82	8.05	28.71	98.6	7.74	5.7	5.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS5	14:25	1.0	Surface	1	2	18.82	8.05	28.72	98.5	7.73	5.6	5.5
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS5	14:25	4.3	Middle	2	1	18.82	8.05	28.73	98.4	7.72	5.7	5.1
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS5	14:25	4.3	Middle	2	2	18.82	8.05	28.73	98.5	7.73	5.8	6.6
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS5	14:25	7.5	Bottom	3	1	18.82	8.05	28.74	98.4	7.72	5.8	6.0
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS5	14:25	7.5	Bottom	3	2	18.82	8.05	28.73	98.4	7.72	5.9	6.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS(Mf)6	14:32	1.0	Surface	1	1	18.80	8.05	28.72	98.2	7.71	6.4	8.3
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS(Mf)6	14:32	1.0	Surface	1	2	18.80	8.05	28.71	98.2	7.71	6.3	7.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS(Mf)6	14:32	2.5	Bottom	3	1	18.80	8.05	28.72	98.2	7.71	6.5	7.6
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS(Mf)6	14:32	2.5	Bottom	3	2	18.80	8.05	28.71	98.1	7.70	6.4	8.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS7	14:40	1.0	Surface	1	1	19.19	8.09	28.65	103.9	8.10	4.4	7.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS7	14:40	1.0	Surface	1	2	19.19	8.09	28.65	103.9	8.10	4.4	7.0
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS7	14:40	2.5	Bottom	3	1	19.19	8.09	28.65	103.8	8.09	4.5	9.3
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS7	14:40	2.5	Bottom	3	2	19.19	8.09	28.66	103.9	8.10	4.4	7.6
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS8	15:08	1.0	Surface	1	1	18.84	8.05	28.34	97.7	7.68	10.2	7.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS8	15:08	1.0	Surface	1	2	18.84	8.05	28.34	97.9	7.70	10.1	7.9
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS8	15:08	3.1	Bottom	3	1	18.83	8.05	28.36	98.2	7.72	10.1	6.6
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS8	15:08	3.1	Bottom	3	2	18.83	8.05	28.35	97.8	7.69	10.2	7.0
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS(Mf)9	14:48	1.0	Surface	1	1	18.87	8.05	28.57	98.8	7.75	9.4	5.0
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS(Mf)9	14:48	1.0	Surface	1	2	18.85	8.05	28.60	98.9	7.76	9.3	5.8
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS(Mf)9	14:48	2.7	Bottom	3	1	18.84	8.05	28.64	98.9	7.76	9.4	8.3
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS(Mf)9	14:47	2.7	Bottom	3	2	18.89	8.05	28.57	99.2	7.78	9.4	8.6
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS10(N)	15:02	1.0	Surface	1	1	19.01	8.14	29.75	97.7	7.59	2.7	4.9
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS10(N)	15:03	1.0	Surface	1	2	19.02	8.13	29.70	97.6	7.58	2.8	5.9
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS10(N)	15:02	5.3	Middle	2	1	18.90	8.14	30.19	97.4	7.56	2.9	9.1
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS10(N)	15:03	5.3	Middle	2	2	18.92	8.14	30.13	97.4	7.56	3.0	8.3
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS10(N)	15:02	9.6	Bottom	3	1	19.00	8.13	30.05	97.3	7.55	3.3	8.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	IS10(N)	15:02	9.6	Bottom	3	2	18.89	8.14	30.40	97.1	7.53	3.1	8.0
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR3(N)	14:14	1.0	Surface	1	1	18.97	8.05	28.73	100.0	7.82	6.4	7.1
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR3(N)	14:14	1.0	Surface	1	2	18.93	8.05	28.74	99.8	7.82	6.3	8.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR3(N)	14:14	2.9	Bottom	3	1	18.95	8.05	28.72	99.8	7.82	6.5	7.8
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR3(N)	14:14	2.9	Bottom	3	2	18.91	8.05	28.74	99.8	7.81	6.4	7.8
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR4(N)	14:59	1.0	Surface	1	1	18.96	8.06	28.42	99.5	7.80	5.8	5.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR4(N)	15:00	1.0	Surface	1	2	18.93	8.06	28.43	99.2	7.78	5.8	5.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR4(N)	15:00	2.7	Bottom	3	1	18.95	8.06	28.42	99.3	7.78	5.8	7.9
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR4(N)	14:59	2.7	Bottom	3	2	18.94	8.06	28.43	99.3	7.79	5.8	6.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR5(N)	14:51	1.0	Surface	1	1	18.98	8.15	29.91	98.0	7.62	2.3	5.8
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR5(N)	14:50	1.0	Surface	1	2	18.99	8.15	29.84	98.3	7.64	2.2	5.9
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR5(N)	14:51	4.1	Middle	2	1	18.89	8.15	30.36	97.9	7.59	2.6	4.7
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR5(N)	14:50	4.1	Middle	2	2	18.90	8.15	30.36	98.1	7.61	2.5	4.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR5(N)	14:50	7.2	Bottom	3	1	18.92	8.15	30.37	97.7	7.58	3.0	6.5
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR5(N)	14:50	7.2	Bottom	3	2	18.87	8.15	30.55	98.1	7.61	2.8	6.1
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10A(N)	15:45	1.0	Surface	1	1	18.75	8.14	31.30	98.1	7.59	2.4	5.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10A(N)	15:45	1.0	Surface	1	2	18.74	8.13	31.38	97.3	7.53	2.3	5.5
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10A(N)	15:45	6.9	Middle	2	1	18.73	8.13	31.38	97.0	7.50	2.5	9.3
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10A(N)	15:44	6.9	Middle	2	2	18.73	8.13	31.39	96.5	7.46	2.6	9.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10A(N)	15:45	12.8	Bottom	3	1	18.73	8.13	31.38	96.2	7.44	2.7	8.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10A(N)	15:44	12.8	Bottom	3	2	18.74	8.13	31.39	96.1	7.44	2.8	9.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10B(N2)	15:56	1.0	Surface	1	1	18.74	8.13	31.35	95.8	7.41	2.5	3.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10B(N2)	15:56	1.0	Surface	1	2	18.74	8.13	31.36	95.9	7.42	2.5	4.3
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10B(N2)	15:55	3.7	Middle	2	1	18.74	8.13	31.35	95.9	7.42	2.7	4.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10B(N2)	15:56	3.7	Middle	2	2	18.74	8.13	31.36	95.6	7.40	2.8	3.4
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10B(N2)	15:55	6.4	Bottom	3	1	18.74	8.13	31.34	96.1	7.43	3.0	6.6
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	SR10B(N2)	15:56	6.4	Bottom	3	2	18.74	8.13	31.35	95.7	7.41	2.9	6.6
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS2(A)	14:00	1.0	Surface	1	1	18.63	8.12	30.18	97.3	7.60	8.7	7.8
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS2(A)	14:00	1.0	Surface	1	2	18.75	8.12	29.97	97.5	7.60	8.8	7.8
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS2(A)	13:59	3.9	Middle	2	1	18.63	8.12	30.20	97.2	7.59	9.1	8.9
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS2(A)	14:00	3.9	Middle	2	2	18.46	8.12	30.83	96.9	7.56	8.9	9.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS2(A)	13:59	6.7	Bottom	3	1	18.70	8.10	30.22	97.5	7.60	9.4	11.3
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS2(A)	14:00	6.7	Bottom	3	2	18.55	8.12	30.71	97.1	7.57	9.3	11.3
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS(Mf)5	15:44	1.0	Surface	1	1	18.75	8.04	28.31	95.9	7.56	4.4	6.1
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS(Mf)5	15:43	1.0	Surface	1	2	18.77	8.04	28.30	96.1	7.57	4.4	4.9
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS(Mf)5	15:44	6.2	Middle	2	1	18.73	8.04	28.32	96.0	7.56	4.5	5.9
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS(Mf)5	15:43	6.2	Middle	2	2	18.73	8.03	28.33	96.0	7.56	4.5	5.2
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS(Mf)5	15:44	11.4	Bottom	3	1	18.78	8.04	28.30	96.1	7.56	4.5	6.0
HKLR	HY/2011/03	2018-01-05	Mid-Ebb	Sunny	CS(Mf)5	15:43	11.4	Bottom	3	2	18.72	8.03	28.33	96.0	7.57	4.6	7.5
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS5	10:11	1.0	Surface	1	1	18.69	8.03	28.75	98.3	7.73	9.2	8.4
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS5	10:12	1.0	Surface	1	2	18.70	8.02	28.76	98.2	7.72	9.2	8.9
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS5	10:11	4.3	Middle	2	1	18.69	8.03	28.78	98.2	7.72	9.3	8.5
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS5	10:12	4.3	Middle	2	2	18.70	8.02	28.79	98.2	7.72	9.2	8.5
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS5	10:11	7.5	Bottom	3	1	18.69	8.03	28.79	98.1	7.72	9.2	10.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS5	10:11	7.5	Bottom	3	2	18.69	8.03	28.79	98.2	7.72	9.3	11.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS(Mf)6	10:02	1.0	Surface	1	1	18.76	8.04	28.75	101.0	7.93	5.2	6.4
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS(Mf)6	10:02	1.0	Surface	1	2	18.76	8.04	28.76	100.9	7.93	5.2	7.9
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS(Mf)6	10:02	2.4	Bottom	3	1	18.76	8.04	28.76	100.9	7.93	5.3	7.6
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS(Mf)6	10:02	2.4	Bottom	3	2	18.77	8.04	28.76	101.0	7.93	5.4	8.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS7	9:54	1.0	Surface	1	1	18.78	8.02	28.73	98.8	7.76	6.8	9.8
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS7	9:54	1.0	Surface	1	2	18.78	8.02	28.72	99.0	7.77	6.7	8.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS7	9:54	2.4	Bottom	3	1	18.78	8.02	28.73	98.9	7.77	6.8	9.6
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS7	9:54	2.4	Bottom	3	2	18.79	8.02	28.73	99.3	7.80	6.7	8.4
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS8	9:26	1.0	Surface	1	1	18.70	7.98	28.50	95.6	7.53	7.7	12.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS8	9:27	1.0	Surface	1	2	18.70	7.98	28.49	95.5	7.52	7.8	12.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS8	9:27	3.1	Bottom	3	1	18.71	7.98	28.55	95.6	7.53	8.3	14.2
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS8	9:26	3.1	Bottom	3	2	18.71	7.98	28.54	95.6	7.53	8.1	14.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS(Mf)9	9:45	1.0	Surface	1	1	18.74	8.00	28.60	97.5	7.67	7.3	10.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS(Mf)9	9:45	1.0	Surface	1	2	18.74	8.00	28.61	97.5	7.67	7.3	9.1
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS(Mf)9	9:45	2.6	Bottom	3	1	18.74	8.00	28.60	97.6	7.68	7.4	10.9
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS(Mf)9	9:45	2.6	Bottom	3	2	18.74	8.00	28.61	97.4	7.66	7.3	10.4
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS10(N)	9:41	1.0	Surface	1	1	18.68	8.12	30.77	99.2	7.71	10.4	14.9
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS10(N)	9:40	1.0	Surface	1	2	18.68	8.11	30.78	98.9	7.69	10.3	13.5
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS10(N)	9:41	5.3	Middle	2	1	18.66	8.11	30.82	98.5	7.66	10.5	14.4
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS10(N)	9:40	5.3	Middle	2	2	18.67	8.10	30.78	98.1	7.63	10.4	14.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS10(N)	9:40	9.6	Bottom	3	1	18.68	8.10	30.79	98.0	7.62	10.7	15.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	IS10(N)	9:40	9.6	Bottom	3	2	18.67	8.11	30.82	98.0	7.62	10.8	15.6
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR3(N)	10:21	1.0	Surface	1	1	18.74	8.03	28.73	97.3	7.64	8.2	10.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR3(N)	10:22	1.0	Surface	1	2	18.74	8.03	28.73	97.1	7.63	8.3	10.4
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR3(N)	10:21	2.6	Bottom	3	1	18.75	8.03	28.73	97.4	7.65	8.3	13.8
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR3(N)	10:21	2.6	Bottom	3	2	18.75	8.03	28.73	97.2	7.64	8.3	13.1
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR4(N)	9:35	1.0	Surface	1	1	18.69	7.99	28.46	94.9	7.48	7.6	7.6
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR4(N)	9:35	1.0	Surface	1	2	18.69	7.99	28.46	94.8	7.47	7.7	8.4
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR4(N)	9:34	2.6	Bottom	3	1	18.70	7.99	28.53	95.0	7.48	8.4	13.1
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR4(N)	9:35	2.6	Bottom	3	2	18.69	7.99	28.49	95.0	7.48	8.4	12.6
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR5(N)	9:53	1.0	Surface	1	1	18.67	8.13	30.82	97.8	7.60	10.2	22.5
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR5(N)	9:53	1.0	Surface	1	2	18.66	8.12	30.83	97.8	7.60	10.3	22.2
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR5(N)	9:53	4.2	Middle	2	1	18.66	8.13	30.84	97.6	7.59	10.6	22.2
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR5(N)	9:52	4.2	Middle	2	2	18.68	8.12	30.79	97.6	7.59	10.5	20.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR5(N)	9:53	7.3	Bottom	3	1	18.67	8.13	30.82	97.5	7.58	10.8	21.8
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR5(N)	9:52	7.3	Bottom	3	2	18.68	8.12	30.81	97.5	7.58	10.7	21.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10A(N)	8:53	1.0	Surface	1	1	18.65	8.17	30.98	98.4	7.64	3.3	7.9
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10A(N)	8:53	1.0	Surface	1	2	18.65	8.15	30.97	98.2	7.62	3.4	7.3
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10A(N)	8:53	7.0	Middle	2	1	18.66	8.16	31.02	97.9	7.60	3.5	9.6
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10A(N)	8:53	7.0	Middle	2	2	18.66	8.17	31.01	98.1	7.62	3.6	8.3
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10A(N)	8:53	12.9	Bottom	3	1	18.66	8.15	31.02	97.7	7.59	3.7	8.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10A(N)	8:53	12.9	Bottom	3	2	18.66	8.19	31.02	97.7	7.59	3.8	8.8
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10B(N2)	8:41	1.0	Surface	1	1	18.65	8.11	30.99	102.4	7.95	3.7	6.1
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10B(N2)	8:41	1.0	Surface	1	2	18.66	8.14	30.98	101.5	7.88	3.7	6.9
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10B(N2)	8:41	3.8	Middle	2	1	18.66	8.11	31.00	100.2	7.78	3.9	5.6
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10B(N2)	8:41	3.8	Middle	2	2	18.66	8.19	31.00	100.8	7.83	3.9	5.2
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10B(N2)	8:41	6.5	Bottom	3	1	18.66	8.15	31.04	99.4	7.72	4.1	6.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	SR10B(N2)	8:41	6.5	Bottom	3	2	18.65	8.16	31.00	99.7	7.74	4.0	7.8
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS2(A)	10:46	1.0	Surface	1	1	18.79	8.17	30.15	96.7	7.53	11.9	9.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS2(A)	10:46	1.0	Surface	1	2	18.80	8.16	30.15	96.6	7.52	11.8	10.4
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS2(A)	10:46	3.9	Middle	2	1	18.76	8.18	30.26	96.6	7.52	12.1	9.7
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS2(A)	10:46	3.9	Middle	2	2	18.76	8.16	30.22	96.5	7.51	12.2	9.9
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS2(A)	10:46	6.7	Bottom	3	1	18.78	8.16	30.20	96.5	7.51	12.4	12.2
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS2(A)	10:46	6.7	Bottom	3	2	18.76	8.19	30.29	96.8	7.53	12.3	11.1
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS(Mf)5	9:04	1.0	Surface	1	1	18.87	7.93	28.34	95.7	7.52	5.4	8.2
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS(Mf)5	9:05	1.0	Surface	1	2	18.87	7.93	28.27	95.9	7.54	5.4	7.9
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS(Mf)5	9:04	6.1	Middle	2	1	18.78	7.94	28.46	95.6	7.52	5.5	8.6
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS(Mf)5	9:04	6.1	Middle	2	2	18.78	7.94	28.54	95.7	7.52	5.4	7.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS(Mf)5	9:04	11.2	Bottom	3	1	18.79	7.94	28.47	95.5	7.51	5.6	8.0
HKLR	HY/2011/03	2018-01-05	Mid-Flood	Sunny	CS(Mf)5	9:04	11.2	Bottom	3	2	18.76	7.94	28.58	95.5	7.51	5.6	7.1
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS5	17:08	1.0	Surface	1	1	18.40	8.00	27.40	101.1	8.07	7.2	8.7
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS5	17:08	1.0	Surface	1	2	18.38	7.99	27.30	104.5	8.35	7.4	8.4
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS5	17:08	4.2	Middle	2	1	18.41	8.00	27.39	96.6	7.70	7.4	7.1
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS5	17:07	4.2	Middle	2	2	18.39	7.98	27.27	99.5	7.94	7.6	8.8
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS5	17:08	7.4	Bottom	3	1	18.40	7.99	27.36	96.2	7.67	7.3	11.0
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS5	17:07	7.4	Bottom	3	2	18.37	7.97	27.18	97.8	7.80	7.6	10.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS(Mf)6	17:16	1.0	Surface	1	1	18.34	8.01	27.38	106.2	8.49	6.9	6.6
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS(Mf)6	17:16	1.0	Surface	1	2	18.33	8.00	27.31	101.4	8.10	7.1	8.0
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS(Mf)6	17:16	2.2	Bottom	3	1	18.34	8.01	27.35	102.8	8.21	6.8	10.4
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS(Mf)6	17:16	2.2	Bottom	3	2	18.27	8.00	27.26	99.7	7.96	7.1	9.5
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS7	17:24	1.0	Surface	1	1	18.24	8.03	27.34	100.1	8.01	9.3	9.4
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS7	17:24	1.0	Surface	1	2	18.23	8.02	27.25	105.5	8.46	9.5	10.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS7	17:24	2.1	Bottom	3	1	18.24	8.03	27.31	98.8	7.91	9.4	9.3
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS7	17:23	2.1	Bottom	3	2	18.18	8.02	27.17	102.2	8.19	9.5	10.5
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS8	17:54	1.0	Surface	1	1	18.22	8.02	27.46	104.7	8.37	15.2	25.4
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS8	17:54	1.0	Surface	1	2	18.23	8.03	27.56	108.3	8.68	15.4	25.0
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS8	17:54	2.8	Bottom	3	1	18.23	8.03	27.53	100.7	8.04	15.3	24.4
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS8	17:54	2.8	Bottom	3	2	18.10	8.03	27.42	102.0	8.15	15.2	24.6
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS(Mf)9	17:33	1.0	Surface	1	1	18.20	8.00	27.51	102.9	8.23	9.5	11.9
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS(Mf)9	17:34	1.0	Surface	1	2	18.22	8.02	27.59	105.8	8.47	9.4	10.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS(Mf)9	17:33	2.4	Bottom	3	1	18.18	8.00	27.44	99.9	7.99	9.5	10.1
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS(Mf)9	17:34	2.4	Bottom	3	2	18.22	8.01	27.58	99.0	7.91	9.2	11.6
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS10(N)	17:20	1.0	Surface	1	1	18.35	8.11	30.34	96.3	7.55	4.7	10.7
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS10(N)	17:19	1.0	Surface	1	2	18.34	8.11	30.33	96.4	7.56	4.7	11.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS10(N)	17:19	5.3	Middle	2	1	18.35	8.11	30.34	96.3	7.55	4.9	11.9
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS10(N)	17:20	5.3	Middle	2	2	18.35	8.11	30.33	96.2	7.55	4.8	12.3
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS10(N)	17:19	9.6	Bottom	3	1	18.36	8.11	30.34	96.2	7.54	5.2	15.5
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	IS10(N)	17:19	9.6	Bottom	3	2	18.34	8.11	30.33	96.2	7.55	5.1	14.9
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR3(N)	16:59	1.0	Surface	1	1	18.29	7.98	27.33	102.4	8.20	6.4	10.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR3(N)	16:59	1.0	Surface	1	2	18.32	7.99	27.36	96.8	7.74	6.5	9.3
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR3(N)	16:59	2.4	Bottom	3	1	18.29	7.99	27.36	96.4	7.70	6.5	9.4
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR3(N)	16:58	2.4	Bottom	3	2	18.27	7.95	27.25	97.7	7.81	6.5	10.3
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR4(N)	17:46	1.0	Surface	1	1	18.22	8.00	27.45	106.0	8.48	7.5	10.1
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR4(N)	17:47	1.0	Surface	1	2	18.23	8.02	27.53	103.4	8.27	7.2	10.9
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR4(N)	17:47	2.7	Bottom	3	1	18.23	8.01	27.50	98.3	7.85	7.3	9.8
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR4(N)	17:46	2.7	Bottom	3	2	18.20	8.00	27.42	100.5	8.03	7.4	9.0
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR5(N)	17:09	1.0	Surface	1	1	18.35	8.11	30.34	98.4	7.72	4.2	12.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR5(N)	17:09	1.0	Surface	1	2	18.34	8.11	30.34	99.5	7.80	4.3	12.9
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR5(N)	17:09	4.2	Middle	2	1	18.35	8.11	30.34	97.1	7.61	4.4	13.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR5(N)	17:09	4.2	Middle	2	2	18.36	8.11	30.32	98.1	7.70	4.4	12.3
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR5(N)	17:09	7.4	Bottom	3	1	18.35	8.11	30.34	96.4	8.23	4.6	13.1
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR5(N)	17:09	7.4	Bottom	3	2	18.36	8.11	30.27	96.5	7.56	4.7	12.9
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10A(N)	18:18	1.0	Surface	1	1	18.34	8.12	30.34	100.7	7.92	4.2	12.4
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10A(N)	18:18	1.0	Surface	1	2	18.33	8.12	30.34	101.4	7.96	4.1	13.0
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10A(N)	18:18	6.9	Middle	2	1	18.32	8.12	30.34	100.4	7.87	4.3	13.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10A(N)	18:18	6.9	Middle	2	2	18.34	8.12	30.35	99.7	7.81	4.5	14.5
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10A(N)	18:18	12.8	Bottom	3	1	18.33	8.12	30.35	99.2	7.78	4.7	14.0
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10A(N)	18:18	12.8	Bottom	3	2	18.29	8.13	30.34	99.8	7.83	4.6	13.7
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10B(N2)	18:39	1.0	Surface	1	1	18.33	8.11	30.33	97.6	7.65	3.6	11.0
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10B(N2)	18:39	1.0	Surface	1	2	18.33	8.11	30.34	97.0	7.61	3.6	10.6
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10B(N2)	18:39	3.8	Middle	2	1	18.33	8.11	30.34	97.0	7.61	3.7	11.3
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10B(N2)	18:39	3.8	Middle	2	2	18.33	8.11	30.34	97.3	7.63	3.8	11.3
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10B(N2)	18:39	6.6	Bottom	3	1	18.33	8.11	30.34	97.2	7.62	3.9	13.1
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	SR10B(N2)	18:39	6.6	Bottom	3	2	18.33	8.11	30.34	96.9	7.60	3.9	14.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS2(A)			Surface	1	1							
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS2(A)			Surface	1	2							
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS2(A)			Middle	2	1							
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS2(A)			Middle	2	2							
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS2(A)			Bottom	3	1							
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS2(A)			Bottom	3	2							
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS(Mf)5	18:21	1.0	Surface	1	1	18.38	8.05	27.90	96.6	7.65	2.8	3.4
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS(Mf)5	18:20	1.0	Surface	1	2	18.40	8.03	27.85	103.9	8.22	2.9	2.7
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS(Mf)5	18:21	6.1	Middle	2	1	18.49	8.03	28.18	94.9	7.52	3.2	2.3
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS(Mf)5	18:20	6.1	Middle	2	2	18.48	8.02	28.05	99.8	7.91	3.4	3.0
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS(Mf)5	18:20	11.1	Bottom	3	1	18.54	8.00	28.19	98.1	7.80	3.5	3.2
HKLR	HY/2011/03	2018-01-08	Mid-Ebb	Rainy	CS(Mf)5	18:21	11.1	Bottom	3	2	18.52	8.03	28.29	94.6	7.52	3.2	3.5
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS5	13:09	1.0	Surface	1	1	18.47	8.01	27.57	96.3	7.66	6.0	6.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS5	13:08	1.0	Surface	1	2	18.47	8.00	27.52	101.1	8.05	6.1	7.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS5	13:09	4.4	Middle	2	1	18.48	8.01	27.58	95.6	7.60	6.3	7.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS5	13:08	4.4	Middle	2	2	18.48	7.99	27.51	98.8	7.86	6.2	8.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS5	13:08	7.8	Bottom	3	1	18.47	7.98	27.49	97.6	7.76	6.1	11.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS5	13:08	7.8	Bottom	3	2	18.48	8.00	27.59	95.5	7.60	6.2	10.3
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS(Mf)6	12:54	1.0	Surface	1	1	18.45	8.01	27.40	98.1	7.81	7.7	10.7
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS(Mf)6	12:54	1.0	Surface	1	2	18.45	8.01	27.37	101.5	8.09	7.7	10.0
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS(Mf)6	12:54	2.2	Bottom	3	1	18.46	8.01	27.46	96.9	7.72	7.6	12.9
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS(Mf)6	12:54	2.2	Bottom	3	2	18.44	8.00	27.38	99.5	7.93	7.7	11.5
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS7	12:47	1.0	Surface	1	1	18.42	8.00	27.31	97.5	7.77	6.7	7.2
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS7	12:47	1.0	Surface	1	2	18.42	8.00	27.34	96.1	7.66	6.4	8.1
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS7	12:47	2.1	Bottom	3	1	18.43	8.00	27.36	95.7	7.63	6.6	8.7
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS7	12:47	2.1	Bottom	3	2	18.44	7.99	27.32	96.7	7.71	6.6	9.0
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS8	12:18	1.0	Surface	1	1	18.50	7.96	27.31	98.0	7.80	7.3	11.1
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS8	12:17	1.0	Surface	1	2	18.49	7.94	27.24	101.8	8.11	7.3	11.3
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS8	12:18	3.0	Bottom	3	1	18.50	7.95	27.31	97.2	7.74	7.4	11.3
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS8	12:17	3.0	Bottom	3	2	18.49	7.92	27.22	99.6	7.93	7.5	12.0
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS(Mf)9	12:37	1.0	Surface	1	1	18.45	7.98	27.38	101.9	8.12	7.5	8.0
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS(Mf)9	12:37	1.0	Surface	1	2	18.46	7.98	27.41	98.7	7.86	7.4	9.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS(Mf)9	12:37	2.7	Bottom	3	1	18.46	7.98	27.40	98.1	7.81	7.6	9.3
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS(Mf)9	12:36	2.7	Bottom	3	2	18.44	7.97	27.31	99.2	7.90	7.7	8.3
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS10(N)	12:37	1.0	Surface	1	1	18.56	8.10	30.06	101.0	7.90	2.1	4.7
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS10(N)	12:37	1.0	Surface	1	2	18.56	8.11	30.06	100.8	7.88	2.2	6.2
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS10(N)	12:37	5.4	Middle	2	1	18.57	8.11	30.07	100.3	7.84	2.4	5.3
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS10(N)	12:37	5.4	Middle	2	2	18.56	8.10	30.07	100.0	7.82	2.3	6.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS10(N)	12:36	9.7	Bottom	3	1	18.56	8.10	30.06	98.9	7.74	2.5	8.3
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	IS10(N)	12:37	9.7	Bottom	3	2	18.57	8.10	30.07	99.3	7.77	2.5	9.6
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR3(N)	13:18	1.0	Surface	1	1	18.45	7.99	27.52	100.6	8.01	6.4	7.8
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR3(N)	13:18	1.0	Surface	1	2	18.46	8.00	27.57	97.1	7.72	6.1	8.6
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR3(N)	13:18	2.6	Bottom	3	1	18.45	7.99	27.47	98.0	7.80	6.4	8.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR3(N)	13:18	2.6	Bottom	3	2	18.46	8.00	27.55	96.1	7.64	6.3	9.7
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR4(N)	12:24	1.0	Surface	1	1	18.51	7.96	27.32	101.3	8.07	10.8	16.0
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR4(N)	12:24	1.0	Surface	1	2	18.51	7.97	27.35	98.1	7.81	10.7	15.5
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR4(N)	12:24	2.8	Bottom	3	1	18.48	7.95	27.31	99.5	7.92	10.8	15.5
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR4(N)	12:24	2.8	Bottom	3	2	18.51	7.96	27.34	97.0	7.72	10.5	14.5
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR5(N)	12:45	1.0	Surface	1	1	18.57	8.12	30.09	97.1	7.59	2.2	5.6
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR5(N)	12:45	1.0	Surface	1	2	18.57	8.12	30.09	96.9	7.58	2.1	4.8
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR5(N)	12:45	4.3	Middle	2	1	18.57	8.12	30.09	96.9	7.58	2.4	7.8
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR5(N)	12:45	4.3	Middle	2	2	18.57	8.11	30.09	97.1	7.59	2.5	7.8
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR5(N)	12:45	7.6	Bottom	3	1	18.57	8.12	30.09	96.9	7.58	2.6	6.9
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR5(N)	12:44	7.6	Bottom	3	2	18.57	8.11	30.09	97.3	7.61	2.7	7.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10A(N)	11:36	1.0	Surface	1	1	18.59	8.16	30.89	94.4	7.35	1.5	4.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10A(N)	11:36	1.0	Surface	1	2	18.59	8.18	30.88	94.2	7.33	1.4	5.1
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10A(N)	11:36	7	Middle	2	1	18.59	8.18	30.91	94.1	7.32	1.6	4.0
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10A(N)	11:36	7	Middle	2	2	18.59	8.16	30.92	94.4	7.35	1.6	3.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10A(N)	11:36	13	Bottom	3	1	18.59	8.15	30.91	94.6	7.36	1.8	6.7
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10A(N)	11:36	13	Bottom	3	2	18.59	8.17	30.92	94.1	7.32	1.8	5.0
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10B(N2)	11:24	1.0	Surface	1	1	18.59	8.18	30.89	99.6	7.75	2.0	5.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10B(N2)	11:24	1.0	Surface	1	2	18.59	8.18	30.85	99.2	7.76	1.9	5.2
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10B(N2)	11:24	3.9	Middle	2	1	18.57	8.12	30.90	96.9	7.54	2.3	5.8
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10B(N2)	11:24	3.9	Middle	2	2	18.59	8.17	30.93	98.7	7.68	2.2	5.3
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10B(N2)	11:24	6.8	Bottom	3	1	18.52	8.11	30.98	95.8	7.45	2.4	8.1
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	SR10B(N2)	11:24	6.8	Bottom	3	2	18.59	8.14	30.91	96.1	7.48	2.3	8.8
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS2(A)	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS2(A)	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS2(A)	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS2(A)	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS2(A)	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS2(A)	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS(Mf)5	11:52	1.0	Surface	1	1	18.63	7.91	27.29	94.6	7.51	4.5	7.1
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS(Mf)5	11:51	1.0	Surface	1	2	18.63	7.85	27.71	97.0	7.64	4.6	7.1
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS(Mf)5	11:51	6.1	Middle	2	1	18.58	7.91	27.47	94.2	7.48	5.5	6.8
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS(Mf)5	11:50	6.1	Middle	2	2	18.58	7.82	28.06	95.4	7.55	5.7	7.4
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS(Mf)5	11:50	11.2	Bottom	3	1	18.57	7.82	28.91	95.1	7.54	5.6	7.5
HKLR	HY/2011/03	2018-01-08	Mid-Flood	Rainy	CS(Mf)5	11:51	11.2	Bottom	3	2	18.57	7.89	27.58	94.2	7.48	5.9	6.9
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS5	7:46	1.0	Surface	1	1	16.84	8.02	27.25	91.7	7.54	6.4	9.6
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS5	7:47	1.0	Surface	1	2	16.84	8.02	27.27	91.4	7.52	6.4	9.7
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS5	7:46	4.1	Middle	2	1	16.84	8.02	27.26	91.7	7.55	6.6	8.7
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS5	7:47	4.1	Middle	2	2	16.84	8.02	27.27	91.4	7.51	6.5	10.0
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS5	7:46	7.2	Bottom	3	1	16.84	8.02	27.25	91.8	7.55	6.7	9.9
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS5	7:47	7.2	Bottom	3	2	16.84	8.02	27.27	91.4	7.52	6.6	11.1
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS(Mf)6	7:36	1.0	Surface	1	1	16.30	8.03	27.25	92.9	7.72	5.9	6.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS(Mf)6	7:37	1.0	Surface	1	2	16.30	8.03	27.26	92.5	7.69	6.0	6.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS(Mf)6	7:36	2.2	Bottom	3	1	16.30	8.03	27.25	93.2	7.75	6.0	9.7
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS(Mf)6	7:36	2.2	Bottom	3	2	16.30	8.03	27.26	92.7	7.71	5.9	10.0
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS7	7:29	1.0	Surface	1	1	16.40	8.03	27.34	93.7	7.77	6.6	9.0
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS7	7:28	1.0	Surface	1	2	16.40	8.03	27.33	94.1	7.80	6.5	8.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS7	7:28	2.2	Bottom	3	1	16.41	8.03	27.35	93.9	7.78	6.6	9.8
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS7	7:28	2.2	Bottom	3	2	16.40	8.03	27.32	94.4	7.83	6.5	8.6
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS8	7:00	1.0	Surface	1	1	16.63	8.02	26.94	94.1	7.79	5.6	5.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS8	6:59	1.0	Surface	1	2	16.72	8.02	26.91	94.5	7.81	5.5	5.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS8	6:59	3.3	Bottom	3	1	16.98	8.01	27.10	95.5	7.84	5.7	7.9
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS8	6:59	3.3	Bottom	3	2	16.65	8.02	26.95	94.4	7.81	5.7	9.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS(Mf)9	7:20	1.0	Surface	1	1	16.54	8.03	27.13	94.2	7.80	5.9	7.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS(Mf)9	7:20	1.0	Surface	1	2	16.53	8.03	27.09	94.7	7.84	5.9	6.9
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS(Mf)9	7:20	2.7	Bottom	3	1	16.54	8.03	27.12	94.4	7.82	5.9	8.8
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS(Mf)9	7:19	2.7	Bottom	3	2	16.56	8.02	27.06	95.5	7.91	6.0	9.0
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS10(N)	7:08	1.0	Surface	1	1	17.12	8.13	30.90	102.1	8.17	1.1	4.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS10(N)	7:08	1.0	Surface	1	2	17.14	8.14	30.91	104.0	8.32	1.1	5.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS10(N)	7:08	5.4	Middle	2	1	17.30	8.13	30.98	100.6	8.05	1.3	5.4
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS10(N)	7:07	5.4	Middle	2	2	17.16	8.12	30.91	99.4	7.91	1.2	6.2
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS10(N)	7:08	9.7	Bottom	3	1	17.31	8.12	31.17	98.1	7.82	1.5	8.2
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	IS10(N)	7:07	9.7	Bottom	3	2	17.16	8.12	30.93	97.1	7.77	1.4	9.6
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR3(N)	7:56	1.0	Surface	1	1	16.85	8.02	27.29	92.1	7.57	5.6	7.1
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR3(N)	7:55	1.0	Surface	1	2	16.85	8.02	27.28	92.4	7.60	5.7	8.6
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR3(N)	7:56	2.3	Bottom	3	1	16.85	8.02	27.28	92.2	7.58	5.7	8.6
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR3(N)	7:55	2.3	Bottom	3	2	16.85	8.02	27.28	92.9	7.64	5.8	8.9
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR4(N)	7:08	1.0	Surface	1	1	16.69	8.02	27.06	91.5	7.55	3.9	7.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR4(N)	7:08	1.0	Surface	1	2	16.63	8.02	27.09	91.2	7.54	3.8	8.9
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR4(N)	7:08	2.6	Bottom	3	1	16.62	8.02	27.06	91.3	7.55	3.9	7.7
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR4(N)	7:07	2.6	Bottom	3	2	16.80	8.01	27.21	91.7	7.55	4.0	8.6
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR5(N)	7:20	1.0	Surface	1	1	17.15	8.14	30.92	95.5	7.63	1.1	5.1
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR5(N)	7:20	1.0	Surface	1	2	17.19	8.14	30.94	96.3	7.69	1.1	6.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR5(N)	7:20	4.3	Middle	2	1	17.28	8.14	30.97	95.0	7.59	1.2	6.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR5(N)	7:20	4.3	Middle	2	2	17.36	8.14	31.03	95.7	7.63	1.3	6.1
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR5(N)	7:20	7.6	Bottom	3	1	17.22	8.14	31.16	95.5	7.62	1.5	5.2
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR5(N)	7:19	7.6	Bottom	3	2	17.19	8.14	31.11	95.1	7.57	1.4	5.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10A(N)	6:14	1.0	Surface	1	1	17.48	8.20	32.26	99.0	7.80	1.3	6.4
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10A(N)	6:14	1.0	Surface	1	2	17.47	8.16	32.26	98.7	7.78	1.2	6.2
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10A(N)	6:13	7.0	Middle	2	1	17.48	8.15	32.25	98.1	7.74	1.4	4.7
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10A(N)	6:14	7.0	Middle	2	2	17.49	8.19	32.26	99.6	7.85	1.5	5.4
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10A(N)	6:13	13.0	Bottom	3	1	17.48	8.13	32.26	97.9	7.71	1.6	5.8
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10A(N)	6:14	13.0	Bottom	3	2	17.49	8.18	32.26	97.7	7.70	1.7	5.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10B(N2)	6:03	1.0	Surface	1	1	17.49	8.15	32.26	106.6	8.21	1.2	3.9
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10B(N2)	6:02	1.0	Surface	1	2	17.49	8.11	32.26	107.1	8.44	1.1	4.7
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10B(N2)	6:02	3.9	Middle	2	1	17.46	8.15	32.26	105.6	8.32	1.2	4.7
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10B(N2)	6:03	3.9	Middle	2	2	17.49	8.12	32.26	104.8	8.26	1.3	5.8
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10B(N2)	6:02	6.8	Bottom	3	1	17.44	8.15	32.26	103.4	8.14	1.3	8.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	SR10B(N2)	6:03	6.8	Bottom	3	2	17.49	8.18	32.27	103.6	8.16	1.4	8.8
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS2(A)	8:16	1.0	Surface	1	1	16.66	8.14	30.75	104.9	8.47	3.2	8.0
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS2(A)	8:16	1.0	Surface	1	2	16.61	8.14	30.71	106.0	8.55	3.1	7.4
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS2(A)	8:16	4.0	Middle	2	1	16.72	8.15	30.97	104.1	8.43	3.5	8.5
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS2(A)	8:15	4.0	Middle	2	2	16.68	8.14	30.82	104.0	8.41	3.4	7.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS2(A)	8:15	7.0	Bottom	3	1	16.70	8.13	30.95	102.6	8.27	3.8	16.2
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS2(A)	8:16	7.0	Bottom	3	2	16.67	8.15	30.90	103.1	8.32	3.7	15.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS(Mf)5	6:35	1.0	Surface	1	1	17.28	7.96	28.13	93.1	7.55	2.2	5.1
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS(Mf)5	6:34	1.0	Surface	1	2	17.30	7.95	28.14	93.3	7.56	2.2	5.3
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS(Mf)5	6:35	6.2	Middle	2	1	17.58	7.96	28.32	93.5	7.53	2.2	4.2
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS(Mf)5	6:34	6.2	Middle	2	2	17.56	7.95	28.30	93.7	7.56	2.2	4.0
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS(Mf)5	6:34	11.4	Bottom	3	1	17.51	7.95	28.37	94.0	7.58	2.3	7.4
HKLR	HY/2011/03	2018-01-10	Mid-Ebb	Cloudy	CS(Mf)5	6:35	11.4	Bottom	3	2	17.51	7.95	28.38	93.6	7.54	2.2	8.8
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS5	13:09	1.0	Surface	1	1	16.67	8.08	26.44	94.2	7.81	5.7	7.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS5	13:10	1.0	Surface	1	2	16.67	8.08	26.44	93.7	7.77	5.7	7.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS5	13:10	4.2	Middle	2	1	16.67	8.08	26.50	93.8	7.78	5.7	7.7
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS5	13:09	4.2	Middle	2	2	16.67	8.08	26.49	94.2	7.81	5.8	7.3
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS5	13:09	7.3	Bottom	3	1	16.66	8.08	26.50	94.3	7.82	5.8	15.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS5	13:10	7.3	Bottom	3	2	16.66	8.08	26.51	93.9	7.78	5.7	14.0
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS(Mf)6	13:20	1.0	Surface	1	1	16.60	8.11	26.54	96.9	8.04	8.0	6.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS(Mf)6	13:20	1.0	Surface	1	2	16.60	8.11	26.55	96.8	8.03	8.0	7.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS(Mf)6	13:20	2.3	Bottom	3	1	16.60	8.11	26.56	96.7	8.03	8.1	6.8
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS(Mf)6	13:20	2.3	Bottom	3	2	16.60	8.11	26.53	96.9	8.04	8.0	6.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS7	13:29	1.0	Surface	1	1	16.78	8.10	26.60	95.3	7.88	6.4	9.5
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS7	13:29	1.0	Surface	1	2	16.79	8.10	26.61	94.9	7.84	6.5	10.1
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS7	13:29	2.2	Bottom	3	1	16.78	8.09	26.59	95.8	7.92	6.6	8.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS7	13:29	2.2	Bottom	3	2	16.79	8.10	26.62	95.1	7.86	6.7	10.0
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS8	13:59	1.0	Surface	1	1	17.03	8.14	26.78	94.7	7.78	9.9	16.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS8	14:00	1.0	Surface	1	2	17.02	8.14	26.80	94.6	7.77	10.0	15.5
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS8	13:59	3.2	Bottom	3	1	17.02	8.14	26.83	95.0	7.81	10.6	17.5
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS8	14:00	3.2	Bottom	3	2	17.03	8.14	26.81	94.7	7.78	10.5	16.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS(Mf)9	13:39	1.0	Surface	1	1	16.93	8.10	26.72	95.2	7.84	5.7	9.5
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS(Mf)9	13:39	1.0	Surface	1	2	16.95	8.10	26.72	95.5	7.86	5.6	8.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS(Mf)9	13:39	2.6	Bottom	3	1	16.94	8.10	26.71	95.3	7.85	5.6	9.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS(Mf)9	13:39	2.6	Bottom	3	2	16.95	8.10	26.72	95.7	7.88	5.7	9.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS10(N)	13:50	1.0	Surface	1	1	17.22	8.19	30.77	97.8	7.80	1.4	5.1
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS10(N)	13:51	1.0	Surface	1	2	17.23	8.19	30.79	97.9	7.81	1.5	4.2
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS10(N)	13:50	5.4	Middle	2	1	17.27	8.19	30.87	97.3	7.78	1.5	4.5
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS10(N)	13:51	5.4	Middle	2	2	17.28	8.19	30.91	97.5	7.79	1.7	4.3
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS10(N)	13:50	9.8	Bottom	3	1	17.26	8.19	30.94	97.4	7.77	1.9	4.5
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	IS10(N)	13:50	9.8	Bottom	3	2	17.26	8.19	30.92	97.4	7.77	1.8	4.8
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR3(N)	12:59	1.0	Surface	1	1	16.96	8.10	25.94	94.0	7.78	6.0	7.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR3(N)	12:59	1.0	Surface	1	2	16.97	8.10	25.83	94.9	7.85	5.9	8.4
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR3(N)	12:59	2.4	Bottom	3	1	16.94	8.11	25.80	95.3	7.89	6.0	8.8
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR3(N)	12:59	2.4	Bottom	3	2	16.93	8.10	25.92	94.4	7.81	6.1	8.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR4(N)	13:51	1.0	Surface	1	1	17.09	8.15	26.76	95.2	7.81	4.0	6.7
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR4(N)	13:51	1.0	Surface	1	2	17.10	8.15	26.80	94.8	7.78	4.0	6.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR4(N)	13:50	2.6	Bottom	3	1	17.11	8.14	26.80	95.8	7.86	4.0	8.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR4(N)	13:51	2.6	Bottom	3	2	17.10	8.15	26.83	94.9	7.78	4.1	8.4
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR5(N)	13:41	1.0	Surface	1	1	17.26	8.19	30.84	99.2	7.92	1.3	3.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR5(N)	13:40	1.0	Surface	1	2	17.26	8.19	30.86	100.0	7.97	1.2	3.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR5(N)	13:40	4.4	Middle	2	1	17.32	8.19	30.98	99.5	7.93	1.3	4.4
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR5(N)	13:40	4.4	Middle	2	2	17.29	8.19	30.93	98.8	7.88	1.4	5.3
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR5(N)	13:40	7.7	Bottom	3	1	17.32	8.19	31.04	98.4	7.85	1.6	4.7
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR5(N)	13:40	7.7	Bottom	3	2	17.28	8.19	30.97	98.6	7.86	1.5	4.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10A(N)	14:50	1.0	Surface	1	1	17.43	8.19	32.23	102.9	8.12	1.1	4.5
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10A(N)	14:50	1.0	Surface	1	2	17.43	8.19	32.24	101.6	8.02	1.2	3.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10A(N)	14:50	7.1	Middle	2	1	17.44	8.19	32.24	100.9	7.96	1.2	4.0
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10A(N)	14:50	7.1	Middle	2	2	17.44	8.19	32.23	99.6	7.86	1.2	3.2
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10A(N)	14:50	13.1	Bottom	3	1	17.43	8.19	32.22	98.4	7.77	1.5	5.8
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10A(N)	14:50	13.1	Bottom	3	2	17.43	8.19	32.24	98.8	7.80	1.4	6.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10B(N2)	15:01	1.0	Surface	1	1	17.43	8.19	32.24	97.1	7.66	1.1	2.8
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10B(N2)	15:01	1.0	Surface	1	2	17.43	8.19	32.24	96.8	7.63	1.2	3.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10B(N2)	15:01	3.9	Middle	2	1	17.44	8.19	32.24	96.4	7.60	1.3	4.1
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10B(N2)	15:01	3.9	Middle	2	2	17.44	8.19	32.24	96.7	7.63	1.2	5.5
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10B(N2)	15:01	6.8	Bottom	3	1	17.44	8.19	32.24	96.2	7.59	1.4	6.3
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	SR10B(N2)	15:01	6.8	Bottom	3	2	17.43	8.19	32.25	96.2	7.59	1.4	6.0
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS2(A)	12:39	1.0	Surface	1	1	16.92	8.21	30.26	99.7	8.05	2.1	7.9
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS2(A)	12:39	1.0	Surface	1	2	16.76	8.21	30.53	99.8	8.06	2.1	7.2
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS2(A)	12:39	4.1	Middle	2	1	16.92	8.21	30.40	99.7	8.03	2.2	9.2
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS2(A)	12:38	4.1	Middle	2	2	16.92	8.21	30.31	99.6	8.03	2.3	8.1
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS2(A)	12:39	7.1	Bottom	3	1	16.78	8.21	30.49	98.8	7.97	2.6	7.7
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS2(A)	12:38	7.1	Bottom	3	2	16.92	8.21	30.47	98.7	7.95	2.5	8.2
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS(Mf)5	14:28	1.0	Surface	1	1	17.44	8.09	28.07	94.8	7.67	1.6	4.6
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS(Mf)5	14:27	1.0	Surface	1	2	17.45	8.09	28.11	95.1	7.69	1.7	5.0
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS(Mf)5	14:27	6.2	Middle	2	1	17.47	8.09	28.18	95.1	7.68	1.7	4.2
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS(Mf)5	14:27	6.2	Middle	2	2	17.46	8.09	28.17	94.8	7.66	1.6	4.3
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS(Mf)5	14:27	11.4	Bottom	3	1	17.47	8.08	28.23	95.4	7.71	1.7	5.4
HKLR	HY/2011/03	2018-01-10	Mid-Flood	Cloudy	CS(Mf)5	14:27	11.4	Bottom	3	2	17.46	8.09	28.17	95.0	7.67	1.6	5.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS5	10:36	1.0	Surface	1	1	15.82	8.05	27.42	97.1	8.14	3.6	5.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS5	10:35	1.0	Surface	1	2	15.82	8.05	27.41	97.1	8.14	3.7	4.1
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS5	10:35	4.3	Middle	2	1	15.81	8.05	27.45	97.1	8.14	3.8	3.6
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS5	10:36	4.3	Middle	2	2	15.81	8.05	27.45	97.0	8.13	3.7	3.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS5	10:35	7.5	Bottom	3	1	15.81	8.05	27.46	97.2	8.15	4.0	4.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS5	10:35	7.5	Bottom	3	2	15.81	8.05	27.46	96.9	8.13	3.9	4.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS(Mf)6	10:26	1.0	Surface	1	1	15.63	8.04	27.39	98.3	8.27	4.6	7.5
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS(Mf)6	10:26	1.0	Surface	1	2	15.63	8.05	27.38	98.2	8.27	4.6	6.8
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS(Mf)6	10:26	2.2	Bottom	3	1	15.63	8.05	27.39	98.4	8.28	4.6	9.4
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS(Mf)6	10:26	2.2	Bottom	3	2	15.63	8.04	27.39	98.5	8.29	4.7	7.8
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS7	10:18	1.0	Surface	1	1	15.73	8.04	27.37	99.4	8.35	3.7	5.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS7	10:18	1.0	Surface	1	2	15.70	8.04	27.37	99.3	8.35	3.8	5.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS7	10:18	2.2	Bottom	3	1	15.71	8.04	27.38	99.7	8.38	3.7	4.8
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS7	10:18	2.2	Bottom	3	2	15.71	8.04	27.37	99.3	8.35	3.7	4.8
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS8	9:51	1.0	Surface	1	1	16.39	8.02	27.96	97.4	8.04	9.9	7.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS8	9:51	1.0	Surface	1	2	16.41	8.01	27.98	97.8	8.08	9.8	9.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS8	9:51	3.3	Bottom	3	1	16.44	8.01	28.07	97.6	8.05	10.1	9.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS8	9:51	3.3	Bottom	3	2	16.46	8.01	28.07	98.6	8.13	10.0	9.4
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS(Mf)9	10:10	1.0	Surface	1	1	16.04	8.04	27.69	99.3	8.28	4.9	4.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS(Mf)9	10:11	1.0	Surface	1	2	16.04	8.04	27.71	98.7	8.22	5.0	4.6
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS(Mf)9	10:10	2.7	Bottom	3	1	16.05	8.04	27.68	99.6	8.30	5.1	6.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS(Mf)9	10:10	2.7	Bottom	3	2	16.04	8.04	27.73	98.7	8.22	5.2	6.3
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS10(N)	10:05	1.0	Surface	1	1	16.37	8.22	31.62	108.7	8.72	5.6	3.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS10(N)	10:05	1.0	Surface	1	2	16.44	8.24	31.66	112.5	9.02	5.5	5.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS10(N)	10:05	5.5	Middle	2	1	16.71	8.24	31.99	105.2	8.51	5.6	4.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS10(N)	10:04	5.5	Middle	2	2	16.68	8.21	31.96	102.6	8.22	5.8	5.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS10(N)	10:04	10.0	Bottom	3	1	16.69	8.20	31.98	101.4	8.12	5.7	4.8
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	IS10(N)	10:05	10.0	Bottom	3	2	16.70	8.23	32.01	100.3	8.10	5.6	4.5
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR3(N)	10:45	1.0	Surface	1	1	15.90	8.06	27.39	98.8	8.27	3.5	5.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR3(N)	10:45	1.0	Surface	1	2	15.91	8.06	27.40	98.7	8.26	3.6	5.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR3(N)	10:44	2.4	Bottom	3	1	15.90	8.06	27.38	99.3	8.31	3.8	6.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR3(N)	10:45	2.4	Bottom	3	2	15.91	8.06	27.41	98.8	8.27	3.9	6.8
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR4(N)	9:58	1.0	Surface	1	1	15.03	7.99	26.12	93.4	8.02	3.8	7.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR4(N)	9:59	1.0	Surface	1	2	15.28	7.99	26.63	93.5	7.97	3.7	8.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR4(N)	9:58	2.6	Bottom	3	1	14.99	7.98	27.59	94.6	8.06	3.9	7.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR4(N)	9:58	2.6	Bottom	3	2	15.12	7.98	27.10	94.0	8.01	3.9	8.3
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR5(N)	10:16	1.0	Surface	1	1	16.75	8.26	32.18	97.8	7.81	6.4	3.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR5(N)	10:15	1.0	Surface	1	2	16.75	8.25	32.17	99.4	7.95	6.7	3.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR5(N)	10:15	3.7	Middle	2	1	16.77	8.25	32.19	98.9	7.91	7.7	3.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR5(N)	10:16	3.7	Middle	2	2	16.77	8.25	32.19	97.6	7.80	7.5	4.6
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR5(N)	10:15	6.3	Bottom	3	1	16.77	8.25	32.20	97.5	7.80	7.8	4.6
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR5(N)	10:15	6.3	Bottom	3	2	16.78	8.25	32.21	98.4	7.87	7.7	4.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10A(N)	9:07	1.0	Surface	1	1	16.99	8.24	32.42	98.5	7.83	3.5	7.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10A(N)	9:06	1.0	Surface	1	2	16.98	8.23	32.43	105.2	8.36	3.5	8.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10A(N)	9:06	6.3	Middle	2	1	16.99	8.22	32.42	102.3	8.13	3.5	8.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10A(N)	9:06	6.3	Middle	2	2	16.99	8.23	32.42	98.0	7.79	3.6	7.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10A(N)	9:06	11.5	Bottom	3	1	16.99	8.22	32.42	101.0	8.03	3.7	8.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10A(N)	9:06	11.5	Bottom	3	2	16.99	8.23	32.42	97.7	7.76	3.8	7.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10B(N2)	8:57	1.0	Surface	1	1	16.91	8.07	32.42	103.4	8.24	3.5	5.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10B(N2)	8:58	1.0	Surface	1	2	16.91	8.19	32.42	98.4	7.83	3.6	6.1
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10B(N2)	8:58	3.3	Middle	2	1	16.91	8.15	32.42	97.6	7.77	3.7	5.5
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10B(N2)	8:57	3.3	Middle	2	2	16.91	8.04	32.42	100.9	8.04	3.8	4.7
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10B(N2)	8:57	5.6	Bottom	3	1	16.91	8.11	32.42	97.3	7.74	3.8	4.8
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	SR10B(N2)	8:57	5.6	Bottom	3	2	16.90	8.03	32.41	99.7	7.94	3.8	5.6
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS2(A)	11:11	1.0	Surface	1	1	15.76	8.26	32.35	110.5	9.00	6.1	8.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS2(A)	11:12	1.0	Surface	1	2	15.77	8.27	32.31	106.2	8.65	6.3	9.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS2(A)	11:11	3.2	Middle	2	1	15.77	8.25	32.36	109.0	8.88	6.4	7.8
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS2(A)	11:11	3.2	Middle	2	2	15.77	8.27	32.36	105.5	8.59	6.1	9.5
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS2(A)	11:11	5.4	Bottom	3	1	15.77	8.24	32.37	107.5	8.76	6.4	12.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS2(A)	11:11	5.4	Bottom	3	2	15.77	8.27	32.36	105.1	8.56	6.5	14.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS(Mf)5	9:28	1.0	Surface	1	1	16.99	7.98	28.22	94.4	7.70	2.3	5.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS(Mf)5	9:28	1.0	Surface	1	2	17.00	7.98	28.24	94.4	7.70	2.2	6.0
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS(Mf)5	9:27	6.3	Middle	2	1	17.00	7.98	28.28	94.4	7.69	2.3	7.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS(Mf)5	9:28	6.3	Middle	2	2	17.00	7.98	28.28	94.3	7.68	2.3	6.2
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS(Mf)5	9:27	11.5	Bottom	3	1	16.99	7.98	28.31	94.4	7.70	2.3	6.9
HKLR	HY/2011/03	2018-01-12	Mid-Ebb	Sunny	CS(Mf)5	9:28	11.5	Bottom	3	2	16.99	7.98	28.30	94.4	7.69	2.3	7.4
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS5	14:28	1.0	Surface	1	1	16.03	7.96	26.74	100.6	8.43	3.3	5.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS5	14:29	1.0	Surface	1	2	16.04	7.96	26.73	100.5	8.42	3.3	5.5
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS5	14:28	4.3	Middle	2	1	15.99	7.96	26.75	100.5	8.43	3.4	7.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS5	14:28	4.3	Middle	2	2	16.01	7.96	26.76	100.3	8.41	3.4	6.1
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS5	14:28	7.5	Bottom	3	1	16.04	7.96	26.75	100.3	8.40	3.3	11.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS5	14:28	7.5	Bottom	3	2	15.99	7.96	26.76	100.4	8.42	3.4	10.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS(Mf)6	14:37	1.0	Surface	1	1	16.72	8.03	27.19	105.6	8.71	4.2	4.4
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS(Mf)6	14:37	1.0	Surface	1	2	16.70	8.02	27.17	105.3	8.69	4.1	6.0
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS(Mf)6	14:37	2.4	Bottom	3	1	16.70	8.03	27.23	105.3	8.69	4.3	6.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS(Mf)6	14:37	2.4	Bottom	3	2	16.66	8.02	27.24	105.0	8.66	4.4	8.2
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS7	14:46	1.0	Surface	1	1	16.21	8.03	27.23	106.4	8.86	6.5	5.5
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS7	14:46	1.0	Surface	1	2	16.20	8.03	27.21	106.5	8.87	6.4	5.6
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS7	14:46	2.4	Bottom	3	1	16.21	8.03	27.23	106.4	8.86	6.5	7.5
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS7	14:45	2.4	Bottom	3	2	16.21	8.03	27.20	106.5	8.87	6.5	7.5
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS8	15:12	1.0	Surface	1	1	16.67	8.03	27.86	102.1	8.39	3.9	5.2
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS8	15:13	1.0	Surface	1	2	16.66	8.03	27.83	101.9	8.38	3.8	6.1
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS8	15:13	3.2	Bottom	3	1	16.66	8.03	27.97	102.0	8.38	3.9	6.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS8	15:12	3.2	Bottom	3	2	16.71	8.02	28.32	102.7	8.41	4.0	5.1
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS(Mf)9	14:54	1.0	Surface	1	1	16.64	8.02	27.91	101.7	8.36	6.1	7.2
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS(Mf)9	14:54	1.0	Surface	1	2	16.61	8.03	27.77	102.2	8.42	6.0	5.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS(Mf)9	14:54	2.6	Bottom	3	1	16.62	8.03	27.91	103.4	8.51	6.4	8.4
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS(Mf)9	14:54	2.6	Bottom	3	2	16.63	8.02	27.93	102.0	8.39	6.5	9.4
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS10(N)	15:12	1.0	Surface	1	1	16.83	8.26	32.03	98.7	7.87	4.7	4.9
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS10(N)	15:13	1.0	Surface	1	2	16.83	8.26	32.03	97.5	7.79	4.6	5.5
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS10(N)	15:13	5.7	Middle	2	1	16.88	8.25	32.10	97.5	7.77	4.6	4.4
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS10(N)	15:12	5.7	Middle	2	2	16.91	8.25	32.13	98.3	7.86	4.7	4.2
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS10(N)	15:13	10.4	Bottom	3	1	16.92	8.25	32.16	97.3	7.77	4.8	5.1
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	IS10(N)	15:12	10.4	Bottom	3	2	16.92	8.25	32.16	98.3	7.84	4.7	4.9
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR3(N)	14:19	1.0	Surface	1	1	16.22	7.90	27.08	102.4	8.53	3.2	4.1
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR3(N)	14:19	1.0	Surface	1	2	16.12	7.89	27.17	101.8	8.50	3.2	5.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR3(N)	14:19	2.6	Bottom	3	1	16.15	7.89	27.18	101.5	8.46	3.2	6.9
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR3(N)	14:19	2.6	Bottom	3	2	16.18	7.90	27.11	102.0	8.51	3.2	7.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR4(N)	15:06	1.0	Surface	1	1	16.66	8.02	27.69	101.1	8.32	6.4	3.6
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR4(N)	15:06	1.0	Surface	1	2	16.66	8.01	27.75	101.7	8.37	6.3	4.9
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR4(N)	15:06	2.6	Bottom	3	1	16.65	8.01	27.82	101.5	8.35	6.6	7.0
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR4(N)	15:06	2.6	Bottom	3	2	16.68	8.01	27.87	102.5	8.43	6.5	7.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR5(N)	15:02	1.0	Surface	1	1	16.85	8.26	32.09	101.4	8.09	5.1	5.1
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR5(N)	15:03	1.0	Surface	1	2	16.85	8.27	32.07	102.6	8.19	5.1	4.1
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR5(N)	15:03	3.9	Middle	2	1	16.84	8.26	32.09	101.8	8.13	5.2	4.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR5(N)	15:02	3.9	Middle	2	2	16.84	8.26	32.12	99.8	7.97	5.0	3.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR5(N)	15:03	6.8	Bottom	3	1	16.83	8.26	32.12	99.5	7.95	5.5	3.7
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR5(N)	15:02	6.8	Bottom	3	2	16.84	8.26	32.12	99.3	7.94	5.2	3.4
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10A(N)	16:18	1.0	Surface	1	1	16.99	8.29	32.39	104.7	8.32	5.7	5.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10A(N)	16:20	1.0	Surface	1	2	16.99	8.29	32.39	100.6	8.00	5.4	4.9
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10A(N)	16:19	6.3	Middle	2	1	17.00	8.28	32.38	99.7	7.92	5.7	6.7
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10A(N)	16:18	6.3	Middle	2	2	16.99	8.28	32.38	103.2	8.20	5.8	5.5
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10A(N)	16:18	11.5	Bottom	3	1	16.99	8.28	32.38	102.1	8.12	5.8	5.7
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10A(N)	16:19	11.5	Bottom	3	2	17.00	8.28	32.38	97.3	7.74	5.9	6.7
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10B(N2)	16:27	1.0	Surface	1	1	17.02	8.29	32.42	97.6	7.75	4.1	3.6
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10B(N2)	16:27	1.0	Surface	1	2	17.02	8.29	32.42	98.4	7.81	4.2	2.7
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10B(N2)	16:27	3.7	Middle	2	1	17.02	8.29	32.42	98.0	7.79	4.3	4.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10B(N2)	16:27	3.7	Middle	2	2	17.02	8.29	32.42	97.3	7.73	4.2	4.2
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10B(N2)	16:27	6.4	Bottom	3	1	17.02	8.29	32.42	97.9	7.78	4.5	3.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	SR10B(N2)	16:27	6.4	Bottom	3	2	17.02	8.29	32.42	97.3	7.73	4.2	4.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS2(A)	14:02	1.0	Surface	1	1	15.80	8.23	32.14	109.7	8.92	5.0	4.0
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS2(A)	14:02	1.0	Surface	1	2	15.80	8.24	32.14	106.6	8.68	4.8	3.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS2(A)	14:02	3.5	Middle	2	1	15.80	8.24	32.18	105.7	8.61	8.6	5.2
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS2(A)	14:02	3.5	Middle	2	2	15.80	8.22	32.20	108.2	8.81	8.5	3.4
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS2(A)	14:02	6.0	Bottom	3	1	15.81	8.23	32.27	105.5	8.59	8.4	4.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS2(A)	14:01	6.0	Bottom	3	2	15.83	8.19	32.31	107.5	8.76	8.7	5.5
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS(Mf)5	15:37	1.0	Surface	1	1	17.10	8.02	28.85	96.5	7.82	2.7	3.9
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS(Mf)5	15:37	1.0	Surface	1	2	17.10	8.03	28.87	96.3	7.80	2.6	2.5
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS(Mf)5	15:37	6.4	Middle	2	1	17.09	8.02	28.88	96.5	7.82	2.8	4.3
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS(Mf)5	15:37	6.4	Middle	2	2	17.09	8.02	28.90	96.1	7.79	2.8	3.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS(Mf)5	15:37	11.7	Bottom	3	1	17.09	8.02	28.89	96.7	7.83	2.9	5.8
HKLR	HY/2011/03	2018-01-12	Mid-Flood	Sunny	CS(Mf)5	15:37	11.7	Bottom	3	2	17.09	8.02	28.90	96.2	7.79	2.8	4.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS5	13:16:35	1.0	Surface	1	1	16.35	8.09	28.92	107.4	8.83	2.8	5.4
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS5	13:16:03	1.0	Surface	1	2	16.36	8.09	28.93	104.8	8.61	3.0	6.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS5	13:16:24	4.1	Middle	2	1	16.28	8.09	28.94	106.4	8.76	3.1	5.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS5	13:15:56	4.1	Middle	2	2	16.29	8.09	28.94	103.5	8.52	3.2	5.7
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS5	13:15:42	7.2	Bottom	3	1	16.32	8.09	28.93	101.2	8.32	3.2	4.7
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS5	13:16:16	7.2	Bottom	3	2	16.27	8.09	28.95	106.0	8.73	3.1	5.0
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS(Mf)6	13:02:50	1.0	Surface	1	1	16.37	8.11	28.92	106.5	8.75	4.5	5.6
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS(Mf)6	13:02:35	1.0	Surface	1	2	16.35	8.11	28.97	105.4	8.67	4.4	6.6
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS(Mf)6	13:02:42	2.2	Bottom	3	1	16.33	8.11	28.95	104.4	8.58	4.5	7.6
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS(Mf)6	13:02:24	2.2	Bottom	3	2	16.35	8.12	29.02	101.8	8.36	4.4	8.0
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS7	12:55:11	1.0	Surface	1	1	16.53	8.14	28.66	109.1	8.96	4.6	5.4
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS7	12:55:25	1.0	Surface	1	2	16.66	8.14	28.65	110.7	9.06	4.5	5.1
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS7	12:55:00	2.1	Bottom	3	1	16.49	8.14	28.59	103.5	8.50	4.6	5.1
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS7	12:55:18	2.1	Bottom	3	2	16.51	8.14	28.62	107.5	8.82	4.6	5.2
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS8	12:30:14	1.0	Surface	1	1	16.40	8.10	28.26	108.3	8.92	4.5	5.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS8	12:30:33	1.0	Surface	1	2	16.40	8.11	28.30	109.3	9.01	4.4	6.4
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS8	12:30:23	3.0	Bottom	3	1	16.41	8.10	28.43	106.4	8.78	4.4	5.6
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS8	12:30:03	3.0	Bottom	3	2	16.40	8.09	28.38	104.3	8.59	4.5	5.0
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS(Mf)9	12:47:43	1.0	Surface	1	1	16.84	8.14	28.60	109.4	8.92	4.1	5.7
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS(Mf)9	12:47:57	1.0	Surface	1	2	16.78	8.14	28.64	111.6	9.11	4.2	5.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS(Mf)9	12:47:49	2.7	Bottom	3	1	16.74	8.14	28.62	110.1	9.00	4.2	5.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS(Mf)9	12:47:32	2.7	Bottom	3	2	16.60	8.14	28.68	105.5	8.64	4.2	6.1
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS10(N)	12:24:37	1.0	Surface	1	1	16.59	8.27	32.19	107.1	8.59	4.2	4.0
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS10(N)	12:25:09	1.0	Surface	1	2	16.65	8.27	32.19	108.0	8.65	4.3	3.9
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS10(N)	12:24:28	5.4	Middle	2	1	16.58	8.28	32.20	106.3	8.53	4.6	5.6
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS10(N)	12:24:53	5.4	Middle	2	2	16.57	8.27	32.23	107.5	8.62	4.5	5.6
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS10(N)	12:24:18	9.8	Bottom	3	1	16.52	8.28	32.22	105.2	8.45	4.9	6.1
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	IS10(N)	12:24:46	9.8	Bottom	3	2	16.58	8.27	32.18	107.2	8.60	4.7	5.2
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR3(N)	13:24:46	1.0	Surface	1	1	16.62	8.12	28.77	110.7	9.06	4.8	7.2
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR3(N)	13:24:27	1.0	Surface	1	2	16.62	8.12	28.72	109.4	8.97	4.8	7.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR3(N)	13:24:37	2.5	Bottom	3	1	16.51	8.12	28.77	107.8	8.82	4.7	6.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR3(N)	13:24:14	2.5	Bottom	3	2	16.33	8.12	28.72	103.7	8.54	4.8	6.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR4(N)	12:36:27	1.0	Surface	1	1	16.98	8.08	28.39	107.0	8.72	3.3	5.9
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR4(N)	12:36:06	1.0	Surface	1	2	16.83	8.09	28.45	105.6	8.62	3.5	6.2
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR4(N)	12:35:57	2.7	Bottom	3	1	16.79	8.11	28.43	101.4	8.29	3.5	6.4
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR4(N)	12:36:17	2.7	Bottom	3	2	16.83	8.09	28.47	103.6	8.46	3.5	5.8
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR5(N)	12:36:52	1.0	Surface	1	1	16.63	8.26	32.19	108.3	8.68	4.7	4.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR5(N)	12:37:25	1.0	Surface	1	2	16.58	8.26	32.20	108.0	8.66	4.6	3.8
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR5(N)	12:36:42	4.2	Middle	2	1	16.56	8.26	32.20	107.8	8.65	4.9	5.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR5(N)	12:37:11	4.2	Middle	2	2	16.49	8.26	32.20	107.6	8.65	4.8	6.9
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR5(N)	12:36:32	7.3	Bottom	3	1	16.56	8.26	32.18	107.9	8.66	5.2	5.8
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR5(N)	12:37:02	7.3	Bottom	3	2	16.55	8.26	32.18	108.0	8.67	5.4	5.8
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10A(N)	11:31:23	1.0	Surface	1	1	16.84	8.14	32.30	95.5	7.61	4.3	5.7
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10A(N)	11:30:51	1.0	Surface	1	2	16.85	8.14	32.30	95.6	7.63	4.1	6.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10A(N)	11:30:42	6.9	Middle	2	1	16.82	8.14	32.29	95.5	7.62	4.4	5.4
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10A(N)	11:31:10	6.9	Middle	2	2	16.81	8.14	32.29	95.3	7.60	4.6	4.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10A(N)	11:31:02	12.8	Bottom	3	1	16.82	8.14	32.29	95.3	7.61	4.9	8.0
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10A(N)	11:30:35	12.8	Bottom	3	2	16.84	8.14	32.28	95.5	7.62	4.9	7.8

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	2018-01-15	Mid-Ebb	Sunny	SR10B(N2)	11:17:42	1.0	Surface	1	1	16.84	8.13	32.28	95.9	7.65	3.2	4.7
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10B(N2)	11:18:15	1.0	Surface	1	2	16.85	8.13	32.29	95.7	7.64	3.3	4.0
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10B(N2)	11:17:27	3.9	Middle	2	1	16.82	8.13	32.25	95.8	7.65	3.4	3.8
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10B(N2)	11:18:01	3.9	Middle	2	2	16.82	8.13	32.29	95.5	7.62	3.5	3.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10B(N2)	11:17:16	6.8	Bottom	3	1	16.82	8.12	32.25	95.7	7.64	3.7	3.9
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	SR10B(N2)	11:17:54	6.8	Bottom	3	2	16.82	8.13	32.29	95.5	7.62	3.8	5.7
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS2(A)	13:24:58	1.0	Surface	1	1	16.59	8.26	32.19	107.6	8.63	5.7	5.8
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS2(A)	13:24:19	1.0	Surface	1	2	16.48	8.27	32.30	105.4	8.47	5.7	4.1
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS2(A)	13:24:44	3.9	Middle	2	1	16.43	8.25	32.28	105.7	8.50	6.1	4.7
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS2(A)	13:24:14	3.9	Middle	2	2	16.38	8.26	32.33	104.5	8.41	5.9	4.7
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS2(A)	13:24:37	6.8	Bottom	3	1	16.34	8.25	32.32	105.3	8.49	6.5	5.1
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS2(A)	13:24:05	6.8	Bottom	3	2	16.32	8.27	32.34	104.1	8.39	6.3	5.0
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS(Mf)5	12:05:19	1.0	Surface	1	1	17.14	7.96	29.34	99.4	8.03	1.8	3.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS(Mf)5	12:04:35	1.0	Surface	1	2	17.16	7.92	29.91	99.7	8.02	1.8	4.3
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS(Mf)5	12:04:24	6.1	Middle	2	1	16.79	7.90	30.21	99.4	8.02	2.0	2.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS(Mf)5	12:05:05	6.1	Middle	2	2	16.79	7.95	29.51	98.9	8.02	1.9	2.5
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS(Mf)5	12:04:49	11.2	Bottom	3	1	16.81	7.94	29.72	98.5	8.00	1.8	2.9
HKLR	HY/2011/03	2018-01-15	Mid-Ebb	Sunny	CS(Mf)5	12:04:09	11.2	Bottom	3	2	16.78	7.87	30.73	98.9	8.00	1.9	2.8
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS5	16:07:09	1.0	Surface	1	1	16.54	8.20	29.33	110.6	9.04	3.1	5.5
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS5	16:06:38	1.0	Surface	1	2	16.55	8.19	29.35	107.5	8.78	3.0	6.1
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS5	16:06:30	4.3	Middle	2	1	16.58	8.19	29.41	106.0	8.65	2.8	7.0
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS5	16:06:59	4.3	Middle	2	2	16.58	8.19	29.40	109.7	8.95	2.9	6.3
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS5	16:06:17	7.6	Bottom	3	1	16.54	8.19	29.44	103.2	8.42	2.9	6.2
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS5	16:06:47	7.6	Bottom	3	2	16.56	8.19	29.42	109.0	8.90	3.0	5.5
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS(Mf)6	16:15:12	1.0	Surface	1	1	16.81	8.20	29.07	106.9	8.70	3.7	6.5
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS(Mf)6	16:15:26	1.0	Surface	1	2	16.81	8.21	29.10	110.2	8.97	3.8	5.9
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS(Mf)6	16:15:18	2.3	Bottom	3	1	16.72	8.20	29.07	108.1	8.82	4.0	6.3
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS(Mf)6	16:15:03	2.3	Bottom	3	2	16.46	8.19	29.14	103.3	8.46	4.1	5.7
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS7	16:23:23	1.0	Surface	1	1	16.90	8.23	29.01	115.7	9.44	7.8	6.5
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS7	16:23:41	1.0	Surface	1	2	16.76	8.24	29.10	118.4	9.64	7.6	5.4
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS7	16:23:32	2.4	Bottom	3	1	16.70	8.24	29.07	113.4	9.22	7.5	4.6
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS7	16:23:10	2.4	Bottom	3	2	16.64	8.23	29.05	108.0	8.82	7.6	5.2
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS8	16:49:32	1.0	Surface	1	1	16.96	8.23	28.94	114.4	9.29	3.8	4.6
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS8	16:49:13	1.0	Surface	1	2	16.94	8.22	28.92	112.0	9.10	3.9	5.2
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS8	16:49:05	3.2	Bottom	3	1	16.83	8.23	28.93	104.5	8.51	4.7	7.1
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS8	16:49:23	3.2	Bottom	3	2	16.95	8.23	28.93	108.1	8.79	4.8	8.5
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS(Mf)9	16:32:25	1.0	Surface	1	1	16.63	8.20	29.13	112.0	9.14	6.5	8.4
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS(Mf)9	16:32:07	1.0	Surface	1	2	16.57	8.18	29.12	108.0	8.83	6.7	8.1
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS(Mf)9	16:32:16	2.7	Bottom	3	1	16.50	8.19	29.09	110.1	9.01	6.6	7.8
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS(Mf)9	16:31:58	2.7	Bottom	3	2	16.45	8.18	29.10	105.3	8.63	6.6	8.9
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS10(N)	16:47:12	1.0	Surface	1	1	17.11	8.28	30.27	114.2	9.17	4.4	3.0
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS10(N)	16:46:36	1.0	Surface	1	2	16.98	8.29	30.48	113.1	9.10	4.3	4.6
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS10(N)	16:46:27	5.5	Middle	2	1	16.66	8.30	31.26	112.5	9.06	4.6	3.0
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS10(N)	16:46:53	5.5	Middle	2	2	16.64	8.29	31.33	112.2	9.04	4.5	4.0
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS10(N)	16:46:17	9.9	Bottom	3	1	16.86	8.29	31.59	113.2	9.07	4.9	4.1
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	IS10(N)	16:46:45	9.9	Bottom	3	2	16.74	8.29	31.39	112.7	9.06	4.7	3.6
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR3(N)	15:58:46	1.0	Surface	1	1	16.98	8.22	28.93	113.0	9.18	4.6	5.9
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR3(N)	15:59:10	1.0	Surface	1	2	16.93	8.22	29.04	114.6	9.31	4.4	5.2
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR3(N)	15:58:22	2.6	Bottom	3	1	16.42	8.21	29.03	108.3	8.88	4.6	6.1
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR3(N)	15:58:58	2.6	Bottom	3	2	16.50	8.21	29.14	113.1	9.26	4.5	6.3
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR4(N)	16:43:40	1.0	Surface	1	1	17.38	8.23	28.88	117.3	9.45	3.3	4.4
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR4(N)	16:43:56	1.0	Surface	1	2	17.33	8.22	28.90	119.3	9.62	3.3	5.2
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR4(N)	16:43:44	2.7	Bottom	3	1	17.38	8.23	28.84	117.7	9.49	3.4	6.8
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR4(N)	16:43:30	2.7	Bottom	3	2	17.18	8.22	28.91	114.8	9.29	3.3	6.3
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR5(N)	16:35:30	1.0	Surface	1	1	16.99	8.32	30.48	109.3	8.79	4.2	4.5
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR5(N)	16:36:00	1.0	Surface	1	2	17.07	8.30	30.29	111.8	8.99	4.3	4.2
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR5(N)	16:35:49	4.2	Middle	2	1	16.69	8.32	31.17	109.8	8.84	4.5	5.4
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR5(N)	16:35:24	4.2	Middle	2	2	16.77	8.33	30.97	108.4	8.72	4.4	4.6
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR5(N)	16:35:16	7.4	Bottom	3	1	16.75	8.34	31.31	105.0	8.44	4.7	5.7
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR5(N)	16:35:41	7.4	Bottom	3	2	16.70	8.31	31.42	106.8	8.60	4.7	4.5
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10A(N)	17:40:06	1.0	Surface	1	1	16.90	8.24	32.35	100.6	8.02	2.2	4.8
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10A(N)	17:40:38	1.0	Surface	1	2	16.90	8.22	32.35	101.1	8.05	2.3	4.3
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10A(N)	17:39:58	7.0	Middle	2	1	16.90	8.25	32.35	100.4	7.99	2.6	3.0
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10A(N)	17:40:26	7.0	Middle	2	2	16.90	8.22	32.35	99.6	7.94	2.4	4.0
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10A(N)	17:40:20	12.9	Bottom	3	1	16.89	8.23	32.36	99.5	7.93	2.5	4.1
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10A(N)	17:39:50	12.9	Bottom	3	2	16.90	8.27	32.35	99.3	7.91	2.6	4.1
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10B(N2)	17:51:12	1.0	Surface	1	1	16.90	8.21	32.35	98.7	7.86	1.9	3.9
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10B(N2)	17:51:35	1.0	Surface	1	2	16.90	8.20	32.35	98.5	7.84	2.0	4.6
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10B(N2)	17:51:28	3.9	Middle	2	1	16.90	8.20	32.35	98.3	7.83	2.2	4.8
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10B(N2)	17:51:04	3.9	Middle	2	2	16.90	8.21	32.35	98.6	7.86	2.1	5.0
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10B(N2)	17:51:21	6.8	Bottom	3	1	16.91	8.20	32.35	98.4	7.84	2.3	5.0
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	SR10B(N2)	17:50:55	6.8	Bottom	3	2	16.90	8.21	32.35	98.8	7.87	2.4	6.4
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS2(A)	15:49:54	1.0	Surface	1	1	17.21	8.32	31.78	112.3	8.91	4.3	3.8
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS2(A)	15:50:28	1.0	Surface	1	2	17.31	8.31	31.70	110.3	8.85	4.4	4.8
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS2(A)	15:50:15	4.0	Middle	2	1	16.47	8.30	32.37	110.7	8.79	4.9	3.9
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS2(A)	15:49:45	4.0	Middle	2	2	16.62	8.31	32.27	108.0	8.65	4.6	4.4
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS2(A)	15:50:07	6.9	Bottom	3	1	16.59	8.30	32.19	109.6	8.80	5.1	7.2
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS2(A)	15:49:35	6.9	Bottom	3	2	16.32	8.30	32.37	107.2	8.64	4.9	6.3
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS(Mf)5	17:15:11	1.0	Surface	1	1	17.10	8.14	29.33	103.1	8.33	1.9	3.6
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS(Mf)5	17:15:43	1.0	Surface	1	2	16.89	8.13	29.42	103.2	8.39	1.8	4.9
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS(Mf)5	17:15:36	6.5	Middle	2	1	16.75	8.12	29.39	102.8	8.33	2.1	4.1
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS(Mf)5	17:14:58	6.5	Middle	2	2	16.75	8.11	29.37	102.0	8.30	2.0	5.2
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS(Mf)5	17:14:48	11.9	Bottom	3	1	16.72	8.11	29.35	101.6	8.27	2.1	3.9
HKLR	HY/2011/03	2018-01-15	Mid-Flood	Sunny	CS(Mf)5	17:15:26	11.9	Bottom	3	2	16.75	8.12	29.38	102.6	8.34	2.1	4.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS5	12:07	1.0	Surface	1	1	17.05	8.23	28.64	117.1	9.51	3.2	3.7
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS5	12:06	1.0	Surface	1	2	17.04	8.24	28.61	114.4	9.30	3.1	5.2
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS5	12:07	4.3	Middle	2	1	16.98	8.23	28.65	115.5	9.40	3.1	4.9
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS5	12:06	4.3	Middle	2	2	16.98	8.24	28.62	110.8	9.01	3.2	4.5
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS5	12:06	7.5	Bottom	3	1	16.99	8.24	28.61	104.0	8.46	3.1	4.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS5	12:07	7.5	Bottom	3	2	16.97	8.23	28.65	107.2	8.72	3.1	4.2
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS(Mf)6	12:36	1.0	Surface	1	1	17.11	8.21	28.76	108.1	8.76	3.4	5.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS(Mf)6	12:36	1.0	Surface	1	2	17.14	8.21	28.72	113.8	9.22	3.4	3.7
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS(Mf)6	12:36	2.2	Bottom	3	1	17.11	8.21	28.74	111.2	9.01	3.4	4.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS(Mf)6	12:35	2.2	Bottom	3	2	17.21	8.23	28.81	98.8	7.99	3.5	5.8
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS7	12:45	1.0	Surface	1	1	17.47	8.29	28.48	118.5	9.57	3.5	8.7
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS7	12:45	1.0	Surface	1	2	17.45	8.28	28.48	122.4	9.87	3.5	9.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS7	12:44	2.1	Bottom	3	1	17.28	8.29	28.62	108.0	8.73	3.4	7.9
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS7	12:45	2.1	Bottom	3	2	17.38	8.29	28.54	114.9	9.27	3.5	8.4
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS8	13:12	1.0	Surface	1	1	17.64	8.25	28.01	120.7	9.76	4.6	7.2
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS8	13:12	1.0	Surface	1	2	17.42	8.25	28.06	123.5	10.00	4.5	7.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS8	13:12	2.8	Bottom	3	1	17.29	8.25	28.50	118.4	9.54	4.4	6.7
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS8	13:12	2.8	Bottom	3	2	17.22	8.27	28.53	113.0	9.15	4.6	6.8
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS(Mf)9	12:54	1.0	Surface	1	1	17.59	8.27	28.24	127.7	10.29	5.8	4.5
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS(Mf)9	12:53	1.0	Surface	1	2	17.57	8.27	28.27	123.2	9.97	5.9	3.9
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS(Mf)9	12:53	2.5	Bottom	3	1	17.32	8.27	28.46	119.8	9.65	5.7	3.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS(Mf)9	12:53	2.5	Bottom	3	2	17.22	8.28	28.57	111.7	9.04	5.9	5.2
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS10(N)	12:47	1.0	Surface	1	1	17.24	8.28	28.83	117.6	9.50	6.1	4.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS10(N)	12:48	1.0	Surface	1	2	17.15	8.30	29.08	117.0	9.46	6.1	3.8
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS10(N)	12:47	5.3	Middle	2	1	17.15	8.30	29.06	117.4	9.50	6.4	5.5
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS10(N)	12:48	5.3	Middle	2	2	17.12	8.28	30.49	116.1	9.31	6.2	4.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS10(N)	12:48	9.5	Bottom	3	1	17.18	8.27	30.57	116.2	9.31	6.5	5.0
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	IS10(N)	12:47	9.5	Bottom	3	2	17.21	8.29	30.23	116.7	9.36	6.6	4.4
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR3(N)	11:59	1.0	Surface	1	1	17.06	8.24	28.32	117.8	9.58	3.9	4.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR3(N)	11:58	1.0	Surface	1	2	17.07	8.25	28.21	113.2	9.22	3.9	5.7
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR3(N)	11:58	2.5	Bottom	3	1	17.01	8.24	28.27	115.4	9.40	3.9	5.9
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR3(N)	11:58	2.5	Bottom	3	2	17.00	8.26	28.07	107.4	8.76	3.7	5.0
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR4(N)	13:04	1.0	Surface	1	1	17.24	8.17	28.11	106.8	8.68	5.7	6.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR4(N)	13:05	1.0	Surface	1	2	17.25	8.16	28.10	109.0	8.84	5.7	6.9
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR4(N)	13:04	2.5	Bottom	3	1	17.17	8.16	28.21	104.5	8.48	5.8	7.2
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR4(N)	13:04	2.5	Bottom	3	2	17.56	8.20	28.03	98.9	7.98	5.7	8.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR5(N)	12:38	1.0	Surface	1	1	17.19	8.29	28.86	116.0	9.38	5.3	3.9
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR5(N)	12:37	1.0	Surface	1	2	17.21	8.28	28.91	115.0	9.23	5.2	4.3
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR5(N)	12:38	4.1	Middle	2	1	17.16	8.29	30.20	113.8	9.12	5.5	3.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR5(N)	12:37	4.1	Middle	2	2	17.19	8.29	30.36	112.8	9.12	5.6	3.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR5(N)	12:37	7.1	Bottom	3	1	17.13	8.28	30.64	109.3	8.77	5.7	3.8
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR5(N)	12:37	7.1	Bottom	3	2	17.14	8.28	30.47	108.1	8.68	5.8	3.9
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10A(N)	13:31	1.0	Surface	1	1	17.12	8.21	31.56	106.4	8.48	3.4	3.8
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10A(N)	13:31	1.0	Surface	1	2	17.12	8.22	31.56	107.3	8.55	3.2	2.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10A(N)	13:31	6.8	Middle	2	1	17.12	8.22	31.55	105.5	8.41	3.6	3.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10A(N)	13:31	6.8	Middle	2	2	17.12	8.20	31.57	104.5	8.33	3.6	2.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10A(N)	13:31	12.6	Bottom	3	1	17.11	8.19	31.57	102.6	8.17	3.8	2.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10A(N)	13:31	12.6	Bottom	3	2	17.11	8.21	31.57	104.1	8.29	3.9	2.5
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10B(N2)	13:44	1.0	Surface	1	1	17.12	8.22	31.56	108.4	8.64	4.4	2.4
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10B(N2)	13:43	1.0	Surface	1	2	17.13	8.22	31.54	108.3	8.63	4.3	3.7
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10B(N2)	13:43	3.7	Middle	2	1	17.11	8.22	31.59	108.2	8.62	4.7	4.3
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10B(N2)	13:43	3.7	Middle	2	2	17.09	8.22	31.64	108.1	8.62	4.6	3.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10B(N2)	13:43	6.3	Bottom	3	1	17.11	8.22	31.60	108.3	8.63	4.8	3.1
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	SR10B(N2)	13:43	6.3	Bottom	3	2	17.11	8.22	31.57	108.2	8.63	4.8	4.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS2(A)	11:50	1.0	Surface	1	1	16.76	8.18	30.78	110.2	8.88	7.2	4.8
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS2(A)	11:50	1.0	Surface	1	2	16.77	8.21	30.73	111.3	8.98	7.3	5.3
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS2(A)	11:50	3.8	Middle	2	1	16.73	8.20	30.93	109.4	8.82	7.5	4.8
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS2(A)	11:49	3.8	Middle	2	2	16.73	8.15	30.99	108.2	8.73	7.4	5.9
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS2(A)	11:50	6.5	Bottom	3	1	16.73	8.19	30.92	105.2	8.48	7.6	4.6
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS2(A)	11:49	6.5	Bottom	3	2	16.73	8.13	31.01	104.6	8.37	7.7	5.0
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS(Mf)5	13:40	1.0	Surface	1	1	17.35	8.17	28.11	105.0	8.51	2.2	3.4
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS(Mf)5	13:40	1.0	Surface	1	2	17.40	8.17	28.15	108.5	8.78	2.3	2.8
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS(Mf)5	13:40	6.0	Middle	2	1	17.01	8.12	28.56	106.9	8.68	2.1	3.5
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS(Mf)5	13:40	6.0	Middle	2	2	17.01	8.13	28.50	100.9	8.21	2.1	2.4
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS(Mf)5	13:39	11.0	Bottom	3	1	16.99	8.13	28.74	100.2	8.15	2.1	6.0
HKLR	HY/2011/03	2018-01-17	Mid-Ebb	Sunny	CS(Mf)5	13:40	11.0	Bottom	3	2	16.99	8.12	28.79	105.8	8.60	2.0	4.7
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS5	8:12	1.0	Surface	1	1	16.85	8.15	28.12	113.8	9.31	3.8	5.2
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS5	8:11	1.0	Surface	1	2	16.84	8.14	28.08	110.8	9.07	3.9	6.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS5	8:12	4.3	Middle	2	1	16.85	8.14	28.16	112.6	9.21	4.1	4.1
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS5	8:11	4.3	Middle	2	2	16.85	8.13	28.11	109.1	8.93	4.1	5.9
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS5	8:11	7.5	Bottom	3	1	16.86	8.14	28.18	111.6	9.12	3.9	5.6
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS5	8:11	7.5	Bottom	3	2	16.85	8.13	28.11	107.1	8.76	4.1	4.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS(Mf)6	8:03	1.0	Surface	1	1	16.79	8.15	28.11	109.5	8.97	6.7	8.3
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS(Mf)6	8:03	1.0	Surface	1	2	16.79	8.15	28.14	112.3	9.19	6.9	8.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS(Mf)6	8:03	2.1	Bottom	3	1	16.82	8.15	28.20	110.9	9.08	6.8	7.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS(Mf)6	8:03	2.1	Bottom	3	2	16.76	8.14	28.04	107.4	8.80	6.8	6.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS7	7:54	1.0	Surface	1	1	16.75	8.12	28.08	110.2	9.03	5.5	2.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS7	7:54	1.0	Surface	1	2	16.74	8.13	28.12	113.2	9.28	5.6	4.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS7	7:53	2.1	Bottom	3	1	16.80	8.11	28.26	108.4	8.87	5.5	5.3
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS7	7:54	2.1	Bottom	3	2	16.79	8.13	28.30	112.3	9.19	5.5	5.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS8	7:27	1.0	Surface	1	1	17.04	8.08	27.68	107.9	8.82	5.9	6.4
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS8	7:27	1.0	Surface	1	2	17.05	8.09	27.71	110.0	8.99	5.7	5.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS8	7:27	3.0	Bottom	3	1	17.09	8.08	28.01	109.5	8.92	5.8	10.7
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS8	7:27	3.0	Bottom	3	2	17.11	8.06	28.06	106.1	8.64	5.6	10.1

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	2018-01-17	Mid-Flood	Sunny	IS(Mf)9	7:46	1.0	Surface	1	1	17.01	8.12	28.17	112.4	9.16	4.5	5.4
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS(Mf)9	7:46	1.0	Surface	1	2	16.96	8.13	28.12	114.6	9.36	4.6	5.9
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS(Mf)9	7:45	2.3	Bottom	3	1	16.94	8.12	28.24	109.0	8.90	6.7	4.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS(Mf)9	7:46	2.3	Bottom	3	2	16.92	8.13	28.42	113.8	9.28	6.8	6.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS10(N)	7:37	1.0	Surface	1	1	16.93	8.18	30.55	110.9	8.92	5.3	5.9
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS10(N)	7:38	1.0	Surface	1	2	16.93	8.21	30.49	112.2	9.03	5.2	6.3
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS10(N)	7:38	5.3	Middle	2	1	16.97	8.20	30.78	111.6	8.96	5.5	6.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS10(N)	7:37	5.3	Middle	2	2	16.97	8.17	30.74	109.6	8.80	5.4	6.7
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS10(N)	7:38	9.5	Bottom	3	1	16.94	8.19	30.71	111.2	8.94	5.7	8.1
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	IS10(N)	7:37	9.5	Bottom	3	2	16.96	8.14	30.80	108.1	8.68	5.8	9.9
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR3(N)	8:21	1.0	Surface	1	1	16.83	8.13	28.05	110.2	9.02	3.5	5.1
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR3(N)	8:21	1.0	Surface	1	2	16.83	8.14	28.08	111.9	9.16	3.6	5.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR3(N)	8:20	2.3	Bottom	3	1	16.83	8.11	28.01	106.8	8.74	3.6	6.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR3(N)	8:21	2.3	Bottom	3	2	16.84	8.13	28.07	110.9	9.08	3.6	5.6
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR4(N)	7:33	1.0	Surface	1	1	16.92	8.08	27.78	107.2	8.77	4.9	7.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR4(N)	7:33	1.0	Surface	1	2	16.93	8.07	27.75	106.0	8.67	5.0	7.2
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR4(N)	7:33	2.4	Bottom	3	1	16.93	8.07	27.75	104.9	8.58	5.0	6.6
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR4(N)	7:33	2.4	Bottom	3	2	16.93	8.08	27.78	106.7	8.74	5.1	7.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR5(N)	7:50	1.0	Surface	1	1	16.97	8.24	30.77	113.7	9.13	5.5	8.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR5(N)	7:49	1.0	Surface	1	2	16.96	8.23	30.74	113.0	9.08	5.3	8.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR5(N)	7:49	4.2	Middle	2	1	16.96	8.23	30.70	112.7	9.06	5.8	11.1
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR5(N)	7:50	4.2	Middle	2	2	16.98	8.24	30.80	113.4	9.10	5.7	9.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR5(N)	7:49	7.3	Bottom	3	1	16.96	8.22	30.76	112.4	9.03	6.2	11.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR5(N)	7:50	7.3	Bottom	3	2	16.97	8.24	30.80	113.1	9.08	6.1	11.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10A(N)	6:45	1.0	Surface	1	1	17.00	8.33	31.09	111.0	8.89	2.6	4.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10A(N)	6:45	1.0	Surface	1	2	16.99	8.36	31.09	111.0	8.89	2.7	6.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10A(N)	6:45	6.9	Middle	2	1	17.01	8.35	31.12	110.7	8.87	2.8	6.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10A(N)	6:45	6.9	Middle	2	2	17.01	8.32	31.11	110.6	8.86	2.8	6.4
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10A(N)	6:45	12.8	Bottom	3	1	17.00	8.34	31.12	110.7	8.86	3.1	7.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10A(N)	6:44	12.8	Bottom	3	2	17.00	8.31	31.11	110.6	8.86	3.0	7.2
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10B(N2)	6:34	1.0	Surface	1	1	16.99	8.28	31.09	110.6	8.86	2.1	5.9
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10B(N2)	6:34	1.0	Surface	1	2	17.00	8.21	31.11	110.1	8.82	2.2	5.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10B(N2)	6:34	3.7	Middle	2	1	17.01	8.25	31.13	110.2	8.83	2.6	6.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10B(N2)	6:33	3.7	Middle	2	2	17.01	8.18	31.12	109.7	8.78	2.5	6.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10B(N2)	6:33	6.4	Bottom	3	1	17.01	8.12	31.13	109.0	8.73	2.8	6.0
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	SR10B(N2)	6:34	6.4	Bottom	3	2	17.00	8.23	31.15	110.1	8.82	2.7	5.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS2(A)	8:46	1.0	Surface	1	1	16.79	8.24	29.89	110.8	8.98	7.2	7.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS2(A)	8:46	1.0	Surface	1	2	16.79	8.23	29.87	110.6	8.96	7.1	8.2
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS2(A)	8:46	3.9	Middle	2	1	16.83	8.22	30.11	110.8	8.96	7.3	9.3
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS2(A)	8:46	3.9	Middle	2	2	16.83	8.21	30.12	110.1	8.90	7.4	7.9
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS2(A)	8:45	6.7	Bottom	3	1	16.85	8.20	30.18	109.6	8.85	7.8	7.8
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS2(A)	8:46	6.7	Bottom	3	2	16.81	8.23	30.07	110.7	8.95	7.7	7.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS(Mf)5	7:04	1.0	Surface	1	1	16.95	8.00	28.07	110.5	9.02	5.4	5.1
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS(Mf)5	7:04	1.0	Surface	1	2	16.98	8.02	27.87	111.3	9.10	5.5	5.9
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS(Mf)5	7:04	6.2	Middle	2	1	17.02	8.01	28.36	109.9	8.95	5.3	4.7
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS(Mf)5	7:04	6.2	Middle	2	2	17.02	8.03	28.06	111.0	9.05	5.6	4.5
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS(Mf)5	7:03	11.3	Bottom	3	1	17.03	8.01	28.69	108.8	8.84	5.5	8.1
HKLR	HY/2011/03	2018-01-17	Mid-Flood	Sunny	CS(Mf)5	7:04	11.3	Bottom	3	2	17.02	8.02	28.21	110.5	9.00	5.6	7.9
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS5	13:11	1.0	Surface	1	1	17.55	8.17	30.52	122.4	9.73	2.8	9.1
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS5	13:11	1.0	Surface	1	2	17.55	8.17	30.52	124.2	9.88	2.8	10.9
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS5	13:11	4.2	Middle	2	1	17.52	8.16	30.53	124.0	9.87	2.7	9.2
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS5	13:10	4.2	Middle	2	2	17.53	8.16	30.53	121.2	9.64	2.7	10.1
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS5	13:10	7.4	Bottom	3	1	17.52	8.16	30.54	116.0	9.23	2.7	14.9
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS5	13:11	7.4	Bottom	3	2	17.52	8.16	30.53	123.8	9.85	2.8	16.8
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS(Mf)6	13:40	1.0	Surface	1	1	17.74	8.05	29.13	121.2	9.70	4.1	7.8
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS(Mf)6	13:41	1.0	Surface	1	2	17.75	8.06	28.58	122.8	9.85	3.9	8.3
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS(Mf)6	13:40	2.1	Bottom	3	1	17.74	8.05	29.81	116.5	9.27	4.1	10.0
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS(Mf)6	13:41	2.1	Bottom	3	2	17.74	8.06	28.89	120.1	9.60	4.1	9.2
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS7	13:49	1.0	Surface	1	1	17.83	8.11	27.23	120.9	9.76	4.1	9.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS7	13:49	1.0	Surface	1	2	17.84	8.13	27.21	124.5	10.05	4.0	7.8
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS7	13:49	2.1	Bottom	3	1	17.82	8.12	27.23	117.0	9.44	4.0	13.5
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS7	13:48	2.1	Bottom	3	2	17.81	8.08	27.25	111.0	8.96	4.2	11.6
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS8	14:15	1.0	Surface	1	1	17.69	8.13	27.29	114.9	9.29	5.6	11.9
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS8	14:16	1.0	Surface	1	2	17.68	8.14	27.25	116.6	9.44	5.5	11.6
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS8	14:15	3.1	Bottom	3	1	17.71	8.13	27.50	106.4	8.59	5.5	11.1
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS8	14:16	3.1	Bottom	3	2	17.69	8.13	27.43	110.6	8.95	5.6	11.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS(Mf)9	13:57	1.0	Surface	1	1	17.75	8.14	27.05	120.3	9.74	4.2	9.3
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS(Mf)9	13:58	1.0	Surface	1	2	17.74	8.14	27.07	122.7	9.92	4.3	8.9
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS(Mf)9	13:58	2.6	Bottom	3	1	17.68	8.14	27.16	115.5	9.34	4.2	8.8
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS(Mf)9	13:57	2.6	Bottom	3	2	17.69	8.13	27.17	108.7	8.80	4.2	8.1
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS10(N)	13:55	1.0	Surface	1	1	17.45	8.31	29.94	118.9	9.51	4.3	5.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS10(N)	13:55	1.0	Surface	1	2	17.46	8.32	29.93	118.7	9.49	4.2	6.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS10(N)	13:55	5.3	Middle	2	1	17.44	8.31	29.94	118.7	9.50	4.3	8.8
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS10(N)	13:54	5.3	Middle	2	2	17.45	8.31	29.94	118.4	9.47	4.4	7.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS10(N)	13:55	9.5	Bottom	3	1	17.45	8.31	29.94	118.9	9.51	4.6	7.3
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	IS10(N)	13:54	9.5	Bottom	3	2	17.46	8.31	29.93	118.3	9.46	4.6	8.2
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR3(N)	13:02	1.0	Surface	1	1	17.55	8.16	30.53	123.9	9.85	2.7	6.1
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR3(N)	13:02	1.0	Surface	1	2	17.55	8.16	30.53	123.2	9.80	2.7	7.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR3(N)	13:01	2.4	Bottom	3	1	17.57	8.15	30.54	117.2	9.32	2.7	12.4
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR3(N)	13:02	2.4	Bottom	3	2	17.54	8.16	30.53	122.4	9.74	2.7	11.1
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR4(N)	14:09	1.0	Surface	1	1	17.68	8.10	27.05	112.7	9.13	4.7	7.5
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR4(N)	14:09	1.0	Surface	1	2	17.67	8.10	27.06	114.7	9.29	4.5	5.9
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR4(N)	14:09	2.5	Bottom	3	1	17.66	8.10	27.07	110.1	8.92	4.4	11.4
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR4(N)	14:08	2.5	Bottom	3	2	17.67	8.10	27.07	106.3	8.61	4.5	10.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR5(N)	13:43	1.0	Surface	1	1	17.45	8.31	29.94	116.5	9.32	4.2	10.1
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR5(N)	13:43	1.0	Surface	1	2	17.45	8.31	29.94	115.8	9.26	4.3	8.6
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR5(N)	13:43	4.1	Middle	2	1	17.44	8.31	29.95	115.3	9.22	4.5	9.5
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR5(N)	13:42	4.1	Middle	2	2	17.45	8.31	29.94	113.9	9.11	4.4	10.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR5(N)	13:43	7.1	Bottom	3	1	17.45	8.31	29.94	112.4	8.99	4.7	11.2
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR5(N)	13:42	7.1	Bottom	3	2	17.45	8.30	29.95	110.4	8.83	4.6	12.3
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10A(N)	14:38	1.0	Surface	1	1	17.38	8.27	30.72	109.4	8.72	2.6	6.3
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10A(N)	14:39	1.0	Surface	1	2	17.37	8.27	30.73	110.5	8.81	2.7	5.2
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10A(N)	14:39	6.8	Middle	2	1	17.36	8.27	30.82	109.7	8.75	2.9	6.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10A(N)	14:38	6.8	Middle	2	2	17.38	8.27	30.73	108.4	8.64	2.8	5.3
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10A(N)	14:38	12.6	Bottom	3	1	17.36	8.27	30.81	107.1	8.54	3.0	8.5
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10A(N)	14:38	12.6	Bottom	3	2	17.38	8.27	30.72	105.1	8.38	3.0	8.0
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10B(N2)	14:50	1.0	Surface	1	1	17.38	8.27	30.72	111.9	8.92	2.3	8.5
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10B(N2)	14:50	1.0	Surface	1	2	17.37	8.27	30.76	111.7	8.90	2.1	9.4
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10B(N2)	14:50	3.7	Middle	2	1	17.36	8.27	30.80	111.6	8.90	2.6	9.5
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10B(N2)	14:50	3.7	Middle	2	2	17.36	8.27	30.79	111.6	8.89	2.5	9.8
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10B(N2)	14:50	6.4	Bottom	3	1	17.36	8.27	30.81	111.6	8.90	3.0	11.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	SR10B(N2)	14:50	6.4	Bottom	3	2	17.37	8.27	30.79	111.7	8.90	2.9	13.0
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS2(A)	12:59	1.0	Surface	1	1	17.22	8.26	29.71	109.1	8.76	5.2	9.0
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS2(A)	12:58	1.0	Surface	1	2	17.24	8.25	29.64	110.0	8.84	5.3	8.9
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS2(A)	12:58	3.8	Middle	2	1	17.09	8.24	30.44	107.6	8.65	5.6	9.7
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS2(A)	12:59	3.8	Middle	2	2	17.10	8.24	30.41	108.8	8.73	5.5	8.2
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS2(A)	12:58	6.6	Bottom	3	1	17.09	8.23	30.48	104.5	8.38	5.8	9.0
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS2(A)	12:58	6.6	Bottom	3	2	17.18	8.25	30.15	105.8	8.49	5.7	10.0
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS(Mf)5	14:38	1.0	Surface	1	1	17.50	8.09	27.53	110.6	8.97	2.8	10.3
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS(Mf)5	14:38	1.0	Surface	1	2	17.49	8.09	27.50	107.2	8.69	2.8	10.1
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS(Mf)5	14:38	5.8	Middle	2	1	17.42	8.07	27.89	109.7	8.88	2.9	12.2
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS(Mf)5	14:38	5.8	Middle	2	2	17.42	8.07	27.85	105.0	8.51	3.0	12.0
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS(Mf)5	14:38	10.6	Bottom	3	1	17.38	8.06	28.07	103.8	8.40	3.4	12.5
HKLR	HY/2011/03	2018-01-19	Mid-Ebb	Sunny	CS(Mf)5	14:38	10.6	Bottom	3	2	17.40	8.07	28.03	109.4	8.87	3.5	12.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS5	9:23	1.0	Surface	1	1	17.56	8.10	30.56	120.8	9.62	5.9	10.9
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS5	9:23	1.0	Surface	1	2	17.53	8.09	30.57	120.9	9.62	5.7	11.1
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS5	9:23	4.2	Middle	2	1	17.49	8.10	30.58	120.8	9.60	5.8	11.1
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS5	9:23	4.2	Middle	2	2	17.49	8.10	30.57	120.4	9.58	5.8	11.4
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS5	9:23	7.3	Bottom	3	1	17.50	8.10	30.57	120.4	9.58	5.8	12.4
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS5	9:23	7.3	Bottom	3	2	17.49	8.10	30.59	119.7	9.53	5.6	12.2
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS(Mf)6	9:13	1.0	Surface	1	1	17.55	8.12	30.66	121.1	9.63	3.6	15.4
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS(Mf)6	9:13	1.0	Surface	1	2	17.55	8.12	30.66	126.0	10.01	3.8	14.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS(Mf)6	9:13	2.0	Bottom	3	1	17.55	8.12	30.67	113.2	9.00	3.6	16.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS(Mf)6	9:13	2.0	Bottom	3	2	17.55	8.12	30.66	118.7	9.44	3.7	15.2
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS7	9:03	1.0	Surface	1	1	17.55	8.11	30.67	122.6	9.74	4.3	11.5
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS7	9:03	1.0	Surface	1	2	17.55	8.11	30.66	120.0	9.54	4.4	10.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS7	9:03	2.1	Bottom	3	1	17.55	8.11	30.67	116.8	9.28	4.6	14.1
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS7	9:03	2.1	Bottom	3	2	17.56	8.11	30.69	110.7	8.80	4.5	13.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS8	8:36	1.0	Surface	1	1	17.42	8.01	30.52	119.8	9.55	4.6	9.7
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS8	8:36	1.0	Surface	1	2	17.42	8.02	30.52	121.6	9.70	4.9	7.9
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS8	8:36	2.7	Bottom	3	1	17.43	8.02	30.59	120.5	9.60	4.7	10.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS8	8:36	2.7	Bottom	3	2	17.45	8.02	30.62	118.3	9.42	4.8	11.2
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS(Mf)9	8:54	1.0	Surface	1	1	17.48	8.08	30.59	117.1	9.33	5.7	11.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS(Mf)9	8:55	1.0	Surface	1	2	17.48	8.08	30.59	120.8	9.61	5.8	9.1
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS(Mf)9	8:55	2.5	Bottom	3	1	17.48	8.08	30.59	118.8	9.46	5.8	14.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS(Mf)9	8:54	2.5	Bottom	3	2	17.48	8.07	30.59	113.2	9.01	5.5	12.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS10(N)	8:56	1.0	Surface	1	1	17.47	8.21	29.85	114.5	9.16	5.3	8.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS10(N)	8:56	1.0	Surface	1	2	17.47	8.22	29.81	113.6	9.08	5.4	9.4
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS10(N)	8:56	5.3	Middle	2	1	17.44	8.20	29.99	111.4	8.91	5.5	9.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS10(N)	8:56	5.3	Middle	2	2	17.45	8.22	29.95	112.6	9.00	5.5	8.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS10(N)	8:56	9.6	Bottom	3	1	17.47	8.21	29.91	107.0	8.55	5.7	8.8
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	IS10(N)	8:55	9.6	Bottom	3	2	17.42	8.17	30.06	109.7	8.77	5.9	10.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR3(N)	9:33	1.0	Surface	1	1	17.49	8.12	30.54	120.8	9.62	5.4	12.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR3(N)	9:32	1.0	Surface	1	2	17.49	8.12	30.54	119.4	9.51	5.3	12.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR3(N)	9:33	2.4	Bottom	3	1	17.49	8.12	30.55	117.6	9.36	5.2	14.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR3(N)	9:32	2.4	Bottom	3	2	17.49	8.12	30.55	114.0	9.08	5.1	14.1
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR4(N)	8:43	1.0	Surface	1	1	17.35	8.00	30.35	111.0	8.87	5.1	11.5
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR4(N)	8:43	1.0	Surface	1	2	17.35	8.00	30.37	113.0	9.03	5.1	11.5
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR4(N)	8:43	2.5	Bottom	3	1	17.35	8.00	30.35	108.7	8.69	5.1	13.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR4(N)	8:43	2.5	Bottom	3	2	17.34	8.00	30.34	111.9	8.95	5.2	12.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR5(N)	9:09	1.0	Surface	1	1	17.47	8.25	29.81	117.1	9.37	5.1	9.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR5(N)	9:08	1.0	Surface	1	2	17.48	8.24	29.77	116.7	9.34	5.2	10.9
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR5(N)	9:09	4.1	Middle	2	1	17.45	8.24	29.94	116.8	9.34	5.3	11.2
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR5(N)	9:08	4.1	Middle	2	2	17.46	8.24	29.90	116.3	9.30	5.4	12.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR5(N)	9:08	7.2	Bottom	3	1	17.48	8.23	29.89	115.9	9.27	5.6	12.5
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR5(N)	9:09	7.2	Bottom	3	2	17.48	8.24	29.88	116.7	9.33	5.5	13.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10A(N)	8:05	1.0	Surface	1	1	17.40	8.27	30.18	113.2	9.05	2.8	11.8
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10A(N)	8:05	1.0	Surface	1	2	17.39	8.30	30.26	113.0	9.03	2.9	11.1
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10A(N)	8:05	6.9	Middle	2	1	17.38	8.28	30.36	113.0	9.03	3.0	12.8
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10A(N)	8:05	6.9	Middle	2	2	17.39	8.26	30.25	112.7	9.01	2.9	13.8
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10A(N)	8:05	12.8	Bottom	3	1	17.39	8.28	30.30	113.1	9.04	3.1	14.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10A(N)	8:05	12.8	Bottom	3	2	17.39	8.25	30.24	112.8	9.02	3.2	14.8
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10B(N2)	7:52	1.0	Surface	1	1	17.40	8.13	30.18	111.4	8.90	3.1	11.9
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10B(N2)	7:53	1.0	Surface	1	2	17.40	8.21	30.19	112.3	8.98	3.2	10.8
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10B(N2)	7:52	3.7	Middle	2	1	17.39	8.19	30.24	110.8	8.86	3.3	11.6
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10B(N2)	7:52	3.7	Middle	2	2	17.40	8.19	30.21	111.8	8.93	3.4	10.7
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10B(N2)	7:52	6.4	Bottom	3	1	17.39	8.23	30.30	108.4	8.66	3.5	10.1
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	SR10B(N2)	7:52	6.4	Bottom	3	2	17.40	8.16	30.21	109.8	8.77	3.6	10.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS2(A)	9:57	1.0	Surface	1	1	17.40	8.24	29.33	112.5	9.04	8.6	9.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS2(A)	9:56	1.0	Surface	1	2	17.40	8.23	29.35	111.7	8.97	8.5	9.9
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS2(A)	9:56	3.9	Middle	2	1	17.37	8.23	29.45	110.2	8.85	8.7	10.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS2(A)	9:56	3.9	Middle	2	2	17.39	8.24	29.35	110.9	8.91	8.8	9.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS2(A)	9:56	6.7	Bottom	3	1	17.40	8.23	29.36	108.5	8.72	9.1	13.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS2(A)	9:56	6.7	Bottom	3	2	17.37	8.22	29.46	106.9	8.58	9.3	11.5
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS(Mf)5	8:14	1.0	Surface	1	1	17.23	7.96	30.22	113.2	9.08	5.9	10.5
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS(Mf)5	8:15	1.0	Surface	1	2	17.23	7.97	30.21	113.7	9.12	6.2	10.4
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS(Mf)5	8:14	6.1	Middle	2	1	17.21	7.96	30.39	113.7	9.11	6.8	10.3
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS(Mf)5	8:13	6.1	Middle	2	2	17.21	7.96	30.40	113.4	9.08	6.4	10.0
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS(Mf)5	8:13	11.1	Bottom	3	1	17.22	7.95	30.45	113.1	9.06	6.7	10.2
HKLR	HY/2011/03	2018-01-19	Mid-Flood	Sunny	CS(Mf)5	8:14	11.1	Bottom	3	2	17.22	7.97	30.44	113.4	9.08	6.7	11.2
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS5	15:14	1.0	Surface	1	1	18.39	8.37	27.09	135.0	10.78	3.9	10.0
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS5	15:15	1.0	Surface	1	2	18.42	8.37	27.07	136.9	10.93	4.0	9.1
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS5	15:13	4.1	Middle	2	1	18.55	8.38	27.06	135.6	10.80	3.9	9.8
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS5	15:14	4.1	Middle	2	2	18.54	8.39	27.05	137.8	10.98	4.0	9.8
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS5	15:14	7.2	Bottom	3	1	18.55	8.39	27.04	137.0	10.91	4.0	12.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS5	15:13	7.2	Bottom	3	2	18.63	8.39	27.06	131.3	10.44	3.9	10.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS(Mf)6	15:25	1.0	Surface	1	1	18.40	8.37	27.04	134.0	10.71	4.8	8.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS(Mf)6	15:25	1.0	Surface	1	2	18.40	8.37	27.04	131.2	10.49	4.7	8.6
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS(Mf)6	15:25	2.3	Bottom	3	1	18.40	8.37	27.04	133.0	10.63	4.0	9.9
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS(Mf)6	15:25	2.3	Bottom	3	2	18.41	8.37	27.05	129.0	10.30	3.9	8.8
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS7	15:34	1.0	Surface	1	1	18.62	8.43	27.00	131.1	10.44	7.7	10.7
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS7	15:34	1.0	Surface	1	2	18.78	8.42	26.94	116.3	9.23	7.8	9.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS7	15:34	2.3	Bottom	3	1	18.90	8.40	26.87	106.1	8.41	5.4	9.2
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS7	15:34	2.3	Bottom	3	2	18.72	8.43	26.97	127.0	10.09	5.5	9.4
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS8	16:07	1.0	Surface	1	1	18.36	8.40	26.61	138.0	11.06	4.4	9.7
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS8	16:07	1.0	Surface	1	2	18.42	8.40	26.61	127.5	10.21	4.6	8.2
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS8	16:07	2.8	Bottom	3	1	18.80	8.40	26.41	120.4	9.58	4.3	11.6
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS8	16:07	2.8	Bottom	3	2	18.48	8.40	26.55	134.1	10.73	4.6	9.9
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS(Mf)9	15:46	1.0	Surface	1	1	18.55	8.45	26.88	155.0	12.36	3.4	6.6
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS(Mf)9	15:46	1.0	Surface	1	2	19.06	8.45	26.67	156.3	12.36	3.4	5.0
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS(Mf)9	15:45	2.5	Bottom	3	1	19.12	8.46	26.70	155.7	12.29	3.4	6.8
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS(Mf)9	15:46	2.5	Bottom	3	2	18.95	8.45	26.78	157.0	12.44	3.5	6.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS10(N)	15:48	1.0	Surface	1	1	18.26	8.30	28.59	130.2	10.42	4.8	6.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS10(N)	15:48	1.0	Surface	1	2	18.25	8.30	28.60	129.9	10.40	4.9	5.0
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS10(N)	15:48	5.3	Middle	2	1	18.10	8.28	29.91	129.1	10.29	5.1	5.2
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS10(N)	15:48	5.3	Middle	2	2	18.13	8.29	29.82	129.2	10.30	5.0	6.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS10(N)	15:48	9.5	Bottom	3	1	18.18	8.29	30.00	129.7	10.31	5.2	5.6
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	IS10(N)	15:48	9.5	Bottom	3	2	18.21	8.28	30.00	129.8	10.31	5.3	5.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR3(N)	15:04	1.0	Surface	1	1	18.45	8.35	26.13	118.7	9.53	4.4	6.9
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR3(N)	15:05	1.0	Surface	1	2	18.47	8.37	26.31	126.5	10.14	4.4	7.2
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR3(N)	15:04	2.8	Bottom	3	1	18.45	8.32	26.05	113.3	9.10	4.3	8.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR3(N)	15:04	2.8	Bottom	3	2	18.46	8.36	26.24	123.5	9.90	4.5	7.9
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR4(N)	16:00	1.0	Surface	1	1	18.49	8.36	26.75	124.7	9.97	6.2	10.4
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR4(N)	16:00	1.0	Surface	1	2	18.48	8.36	26.75	136.1	10.88	6.3	9.4
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR4(N)	16:00	2.6	Bottom	3	1	18.49	8.36	26.65	133.0	10.63	6.4	9.4
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR4(N)	16:00	2.6	Bottom	3	2	18.56	8.36	26.62	111.4	8.89	6.5	10.0
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR5(N)	15:38	1.0	Surface	1	1	18.42	8.30	28.49	129.9	10.38	5.2	2.1
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR5(N)	15:38	1.0	Surface	1	2	18.25	8.29	28.58	129.3	10.36	5.4	2.4
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR5(N)	15:38	4.1	Middle	2	1	18.20	8.29	28.63	129.0	10.34	5.4	4.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR5(N)	15:38	4.1	Middle	2	2	18.11	8.29	29.78	128.2	10.22	5.5	5.0
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR5(N)	15:38	7.1	Bottom	3	1	18.11	8.28	30.08	128.9	10.26	5.6	5.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR5(N)	15:37	7.1	Bottom	3	2	18.12	8.28	29.99	128.4	10.22	5.7	4.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10A(N)	16:34	1.0	Surface	1	1	17.94	8.26	31.24	119.6	9.49	2.3	4.1
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10A(N)	16:33	1.0	Surface	1	2	17.91	8.25	31.28	118.2	9.38	2.2	3.4
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10A(N)	16:34	6.8	Middle	2	1	17.87	8.25	31.36	117.2	9.30	2.6	2.2
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10A(N)	16:33	6.8	Middle	2	2	17.88	8.24	31.34	115.1	9.14	2.5	2.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10A(N)	16:33	12.5	Bottom	3	1	17.89	8.23	31.37	113.5	8.97	2.8	3.6
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10A(N)	16:34	12.5	Bottom	3	2	17.89	8.25	31.35	113.2	8.98	2.7	4.1
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10B(N2)	16:40	1.0	Surface	1	1	17.94	8.27	31.22	122.4	9.71	2.2	5.9
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10B(N2)	16:41	1.0	Surface	1	2	17.94	8.27	31.21	123.6	9.80	2.3	5.8
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10B(N2)	16:41	3.8	Middle	2	1	17.92	8.27	31.26	123.1	9.77	2.4	4.1
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10B(N2)	16:40	3.8	Middle	2	2	17.89	8.26	31.32	121.7	9.66	2.4	4.2
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10B(N2)	16:40	6.6	Bottom	3	1	17.89	8.26	31.33	121.8	9.66	2.6	5.0
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	SR10B(N2)	16:41	6.6	Bottom	3	2	17.95	8.27	31.23	123.1	9.76	2.5	5.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS2(A)	14:47	1.0	Surface	1	1	17.78	8.25	30.90	113.7	9.08	7.9	5.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS2(A)	14:47	1.0	Surface	1	2	18.07	8.26	30.70	116.9	9.28	7.8	4.4
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS2(A)	14:47	3.9	Middle	2	1	17.63	8.23	31.10	111.9	8.93	8.1	5.6
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS2(A)	14:47	3.9	Middle	2	2	17.68	8.24	31.01	113.6	9.07	8.0	6.7
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS2(A)	14:47	6.7	Bottom	3	1	17.56	8.23	31.19	106.7	8.53	8.4	9.3
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS2(A)	14:47	6.7	Bottom	3	2	17.61	8.23	31.11	108.6	8.67	8.3	8.7
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS(Mf)5	16:35	1.0	Surface	1	1	17.84	8.23	27.40	115.3	9.29	3.2	6.2
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS(Mf)5	16:37	1.0	Surface	1	2	17.84	8.24	27.49	125.9	10.14	3.1	5.7
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS(Mf)5	16:35	6.2	Middle	2	1	18.13	8.30	26.90	115.3	9.27	2.4	6.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS(Mf)5	16:36	6.2	Middle	2	2	18.29	8.31	26.80	129.7	10.40	2.4	6.5
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS(Mf)5	16:35	11.3	Bottom	3	1	18.46	8.32	26.20	103.0	8.30	2.1	7.7
HKLR	HY/2011/03	2018-01-22	Mid-Ebb	Cloudy	CS(Mf)5	16:36	11.3	Bottom	3	2	18.42	8.34	26.49	128.4	10.29	2.2	7.0
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS5	11:21	1.0	Surface	1	1	18.11	8.21	26.72	117.3	9.44	4.2	9.8
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS5	11:23	1.0	Surface	1	2	18.13	8.21	26.70	124.6	10.03	4.3	8.1
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS5	11:21	4.3	Middle	2	1	18.20	8.23	26.57	110.6	8.89	3.7	12.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS5	11:22	4.3	Middle	2	2	18.20	8.22	26.56	123.9	9.97	3.7	12.5
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS5	11:21	7.5	Bottom	3	1	18.32	8.23	26.49	103.5	8.31	3.3	12.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS5	11:22	7.5	Bottom	3	2	18.20	8.22	26.55	121.7	9.79	3.2	12.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS(Mf)6	11:10	1.0	Surface	1	1	18.17	8.23	26.73	129.2	10.39	3.5	5.5
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS(Mf)6	11:11	1.0	Surface	1	2	18.17	8.23	26.72	132.2	10.63	3.4	6.0
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS(Mf)6	11:11	2.6	Bottom	3	1	18.19	8.23	26.68	131.4	10.57	3.6	9.6
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS(Mf)6	11:10	2.6	Bottom	3	2	18.27	8.22	26.68	125.5	10.08	3.5	10.4
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS7	11:00	1.0	Surface	1	1	18.25	8.22	26.70	128.4	10.31	4.6	8.9
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS7	11:01	1.0	Surface	1	2	18.26	8.23	26.71	130.9	10.51	4.7	8.4
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS7	11:00	2.5	Bottom	3	1	18.27	8.23	26.71	130.2	10.45	4.8	7.1
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS7	11:00	2.5	Bottom	3	2	18.34	8.21	26.62	121.7	9.76	4.5	8.9
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS8	10:28	1.0	Surface	1	1	17.95	8.10	26.33	110.0	8.90	13.5	25.7
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS8	10:28	1.0	Surface	1	2	17.94	8.11	26.33	114.9	9.30	13.5	24.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS8	10:28	3.0	Bottom	3	1	17.98	8.11	26.17	113.5	9.19	16.8	24.8
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS8	10:28	3.0	Bottom	3	2	18.00	8.08	26.16	103.3	8.36	17.0	23.8
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS(Mf)9	10:50	1.0	Surface	1	1	18.09	8.18	26.59	124.0	9.99	6.5	10.1
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS(Mf)9	10:50	1.0	Surface	1	2	18.07	8.18	26.66	122.0	9.83	6.5	8.2
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS(Mf)9	10:49	2.7	Bottom	3	1	18.06	8.17	26.62	119.7	9.65	5.6	12.9
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS(Mf)9	10:50	2.7	Bottom	3	2	18.08	8.18	26.56	123.1	9.92	5.4	14.2
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS10(N)	10:51	1.0	Surface	1	1	17.98	8.25	29.89	119.3	9.53	8.0	6.7
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS10(N)	10:52	1.0	Surface	1	2	17.97	8.26	29.92	120.3	9.61	8.1	5.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS10(N)	10:51	5.4	Middle	2	1	17.88	8.22	30.24	118.4	9.46	8.3	8.8
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS10(N)	10:52	5.4	Middle	2	2	17.89	8.25	30.15	118.9	9.50	8.2	7.4
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS10(N)	10:51	9.7	Bottom	3	1	17.87	8.21	30.27	110.0	8.79	8.3	7.1
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	IS10(N)	10:52	9.7	Bottom	3	2	17.90	8.24	30.18	112.0	8.95	8.4	8.6
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR3(N)	11:33	1.0	Surface	1	1	18.24	8.20	26.72	108.5	8.71	3.7	7.4
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR3(N)	11:34	1.0	Surface	1	2	18.17	8.20	26.69	119.5	9.61	3.7	8.7
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR3(N)	11:33	3.0	Bottom	3	1	18.25	8.20	26.67	114.7	9.21	3.0	11.7
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR3(N)	11:33	3.0	Bottom	3	2	18.30	8.20	26.75	100.5	8.06	3.1	12.9
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR4(N)	10:37	1.0	Surface	1	1	18.00	8.14	26.18	117.6	9.52	4.3	11.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR4(N)	10:37	1.0	Surface	1	2	18.02	8.13	26.18	115.1	9.31	4.6	10.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR4(N)	10:36	2.8	Bottom	3	1	18.05	8.13	26.22	104.2	8.43	4.6	13.4
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR4(N)	10:37	2.8	Bottom	3	2	18.02	8.14	26.15	116.1	9.40	4.4	13.0
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR5(N)	11:01	1.0	Surface	1	1	17.93	8.26	30.06	121.5	9.70	8.3	4.9
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR5(N)	11:01	1.0	Surface	1	2	17.90	8.26	30.12	120.4	9.62	8.4	4.9
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR5(N)	11:01	4.1	Middle	2	1	17.88	8.25	30.22	119.8	9.57	8.5	6.5
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR5(N)	11:01	4.1	Middle	2	2	17.87	8.25	30.26	120.4	9.62	8.4	5.0
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR5(N)	11:01	7.2	Bottom	3	1	17.87	8.25	30.26	119.4	9.54	8.7	5.5
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR5(N)	11:00	7.2	Bottom	3	2	17.90	8.25	30.18	119.5	9.55	8.8	6.8
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10A(N)	10:02	1.0	Surface	1	1	17.92	8.19	30.37	118.1	9.42	3.3	4.5
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10A(N)	10:02	1.0	Surface	1	2	17.93	8.20	30.34	118.1	9.42	3.2	6.2
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10A(N)	10:02	6.9	Middle	2	1	17.89	8.19	30.43	117.8	9.40	3.6	10.0
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10A(N)	10:02	6.9	Middle	2	2	17.90	8.18	30.36	117.7	9.39	3.5	9.0
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10A(N)	10:02	12.8	Bottom	3	1	17.90	8.19	30.48	117.9	9.40	3.8	12.5
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10A(N)	10:02	12.8	Bottom	3	2	17.91	8.18	30.38	117.7	9.39	3.7	12.6
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10B(N2)	9:52	1.0	Surface	1	1	17.88	8.18	30.64	116.5	9.29	3.1	7.7
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10B(N2)	9:52	1.0	Surface	1	2	17.90	8.15	30.56	117.1	9.33	3.2	6.9
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10B(N2)	9:51	3.9	Middle	2	1	17.81	8.15	30.92	115.7	9.19	3.5	11.2
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10B(N2)	9:52	3.9	Middle	2	2	17.89	8.15	30.56	116.0	9.25	3.6	10.1
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10B(N2)	9:51	6.8	Bottom	3	1	17.75	8.11	31.24	112.1	8.93	3.9	9.9
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	SR10B(N2)	9:52	6.8	Bottom	3	2	17.88	8.14	30.55	111.2	8.85	3.9	9.4
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS2(A)	11:53	1.0	Surface	1	1	18.06	8.27	29.72	120.3	9.57	7.3	8.8
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS2(A)	11:52	1.0	Surface	1	2	18.10	8.26	29.69	119.4	9.53	7.4	7.2
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS2(A)	11:52	4.0	Middle	2	1	17.71	8.21	30.71	117.5	9.38	7.5	8.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS2(A)	11:53	4.0	Middle	2	2	17.73	8.23	30.67	118.6	9.48	7.7	7.0
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS2(A)	11:52	6.9	Bottom	3	1	17.72	8.21	30.72	112.2	8.96	7.9	7.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS2(A)	11:53	6.9	Bottom	3	2	17.87	8.24	30.40	113.5	9.07	7.9	7.6
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS(Mf)5	10:03	1.0	Surface	1	1	17.76	8.06	26.93	112.5	9.11	4.6	11.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS(Mf)5	10:02	1.0	Surface	1	2	17.76	8.05	27.08	112.5	9.10	4.7	11.0
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS(Mf)5	10:02	6.3	Middle	2	1	17.85	8.08	26.31	115.1	9.33	2.8	12.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS(Mf)5	10:01	6.3	Middle	2	2	17.85	8.07	26.46	114.7	9.30	2.6	11.4
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS(Mf)5	10:02	11.6	Bottom	3	1	17.93	8.10	25.88	115.0	9.34	1.7	12.3
HKLR	HY/2011/03	2018-01-22	Mid-Flood	Cloudy	CS(Mf)5	10:00	11.6	Bottom	3	2	17.93	8.07	26.72	116.0	9.37	1.6	11.9
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS5	17:09	1.0	Surface	1	1	18.61	8.27	27.21	136.0	10.81	6.0	9.7
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS5	17:10	1.0	Surface	1	2	18.62	8.28	27.21	137.1	10.90	6.0	10.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS5	17:09	4.2	Middle	2	1	18.61	8.27	27.21	135.6	10.78	6.0	17.6
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS5	17:10	4.2	Middle	2	2	18.61	8.27	27.21	136.5	10.85	5.9	17.2
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS5	17:10	7.4	Bottom	3	1	18.61	8.27	27.22	136.5	10.85	5.9	22.0
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS5	17:09	7.4	Bottom	3	2	18.61	8.27	27.21	135.4	10.76	6.0	20.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS(Mf)6	17:17	1.0	Surface	1	1	18.89	8.38	26.82	144.0	11.41	7.2	14.0
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS(Mf)6	17:18	1.0	Surface	1	2	18.89	8.38	26.83	144.6	11.46	7.2	14.7
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS(Mf)6	17:17	2.2	Bottom	3	1	18.90	8.38	26.81	143.5	11.37	7.5	14.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS(Mf)6	17:17	2.2	Bottom	3	2	18.90	8.38	26.83	144.5	11.45	7.4	15.7
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS7	17:25	1.0	Surface	1	1	18.84	8.38	26.75	147.1	11.68	6.7	14.7
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS7	17:25	1.0	Surface	1	2	18.84	8.38	26.74	146.0	11.59	6.6	13.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS7	17:25	2.2	Bottom	3	1	18.84	8.38	26.74	146.5	11.63	6.9	19.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS7	17:25	2.2	Bottom	3	2	18.83	8.38	26.74	145.5	11.55	6.9	21.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS8	17:51	1.0	Surface	1	1	18.70	8.37	26.48	141.2	11.25	6.6	12.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS8	17:51	1.0	Surface	1	2	18.71	8.37	26.48	139.8	11.14	6.5	13.0
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS8	17:50	2.8	Bottom	3	1	18.71	8.37	26.48	137.9	10.99	7.0	13.2
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS8	17:51	2.8	Bottom	3	2	18.70	8.37	26.48	140.6	11.20	6.9	12.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS(Mf)9	17:34	1.0	Surface	1	1	18.63	8.33	26.60	140.6	11.21	7.0	13.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS(Mf)9	17:34	1.0	Surface	1	2	18.63	8.33	26.61	141.5	11.29	7.1	14.5
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS(Mf)9	17:33	2.5	Bottom	3	1	18.63	8.33	26.60	139.7	11.14	7.1	15.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS(Mf)9	17:34	2.5	Bottom	3	2	18.63	8.33	26.60	141.1	11.26	7.0	14.5
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS10(N)	17:51	1.0	Surface	1	1	18.31	8.47	28.80	128.1	10.15	3.5	9.3
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS10(N)	17:50	1.0	Surface	1	2	18.31	8.47	28.78	127.3	10.09	3.7	8.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS10(N)	17:50	5.4	Middle	2	1	18.23	8.43	29.14	125.5	9.93	3.9	13.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS10(N)	17:51	5.4	Middle	2	2	18.24	8.43	29.12	127.0	10.06	3.5	13.3
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS10(N)	17:51	9.7	Bottom	3	1	18.25	8.44	29.15	127.6	10.10	4.3	12.2
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	IS10(N)	17:50	9.7	Bottom	3	2	18.17	8.42	29.36	126.1	9.98	4.0	13.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR3(N)	17:01	1.0	Surface	1	1	18.94	8.31	27.28	150.6	11.89	4.4	9.9
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR3(N)	17:01	1.0	Surface	1	2	18.93	8.32	27.28	150.9	11.92	4.3	9.9
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR3(N)	17:01	2.5	Bottom	3	1	18.93	8.32	27.28	150.8	11.91	4.3	11.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR3(N)	17:01	2.5	Bottom	3	2	18.94	8.31	27.27	149.9	11.84	4.4	12.9
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR4(N)	17:45	1.0	Surface	1	1	18.73	8.37	26.41	148.5	11.84	4.7	10.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR4(N)	17:45	1.0	Surface	1	2	18.70	8.37	26.41	149.4	11.91	4.6	10.9
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR4(N)	17:45	2.5	Bottom	3	1	18.71	8.37	26.43	148.7	11.86	4.7	12.0
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR4(N)	17:45	2.5	Bottom	3	2	18.71	8.37	26.41	149.0	11.88	4.7	12.6
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR5(N)	17:40	1.0	Surface	1	1	18.30	8.48	28.82	125.9	9.97	4.8	8.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR5(N)	17:39	1.0	Surface	1	2	18.31	8.49	28.80	123.0	9.73	4.7	8.7
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR5(N)	17:39	4.1	Middle	2	1	18.26	8.45	29.06	123.8	9.80	4.8	11.6
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR5(N)	17:39	4.1	Middle	2	2	18.27	8.47	29.00	120.1	9.51	5.0	10.9
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR5(N)	17:39	7.2	Bottom	3	1	18.26	8.46	29.09	115.9	9.17	4.9	10.3
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR5(N)	17:39	7.2	Bottom	3	2	18.25	8.49	29.08	109.7	8.68	5.3	9.9
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10A(N)	18:40	1.0	Surface	1	1	17.95	8.40	30.35	118.7	9.38	2.7	7.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10A(N)	18:39	1.0	Surface	1	2	17.96	8.42	30.23	116.3	9.19	2.8	8.0
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10A(N)	18:39	7.0	Middle	2	1	17.91	8.41	30.67	112.3	8.86	2.8	6.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10A(N)	18:39	7.0	Middle	2	2	17.91	8.39	30.67	117.7	9.29	2.5	7.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10A(N)	18:38	12.9	Bottom	3	1	17.91	8.42	30.67	107.6	8.50	3.0	11.4
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10A(N)	18:39	12.9	Bottom	3	2	17.92	8.40	30.65	117.4	9.26	2.9	11.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10B(N2)	18:51	1.0	Surface	1	1	17.94	8.39	30.44	119.2	9.42	2.3	8.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10B(N2)	18:51	1.0	Surface	1	2	17.93	8.39	30.45	119.3	9.42	2.5	8.3
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10B(N2)	18:51	3.4	Middle	2	1	17.91	8.38	30.62	118.9	9.38	2.2	10.0
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10B(N2)	18:51	3.4	Middle	2	2	17.91	8.38	30.65	119.0	9.39	2.4	10.0
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10B(N2)	18:50	5.8	Bottom	3	1	17.91	8.38	30.67	118.7	9.37	2.6	9.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	SR10B(N2)	18:51	5.8	Bottom	3	2	17.91	8.38	30.68	118.9	9.38	2.6	9.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS2(A)	16:52	1.0	Surface	1	1	18.26	8.47	30.43	133.3	10.46	6.0	8.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS2(A)	16:52	1.0	Surface	1	2	18.26	8.47	30.44	129.3	10.14	6.3	9.5
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS2(A)	16:52	3.8	Middle	2	1	18.18	8.46	30.73	130.7	10.26	6.6	10.7
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS2(A)	16:52	3.8	Middle	2	2	18.13	8.44	30.81	127.3	9.99	6.7	11.6
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS2(A)	16:52	6.6	Bottom	3	1	18.17	8.45	30.79	121.5	9.54	6.9	16.1
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS2(A)	16:51	6.6	Bottom	3	2	18.01	8.41	31.08	115.0	9.04	7.0	15.7
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS(Mf)5	18:30	1.0	Surface	1	1	18.09	8.22	27.26	115.7	9.29	3.4	9.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS(Mf)5	18:31	1.0	Surface	1	2	18.10	8.22	27.24	117.0	9.39	3.4	9.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS(Mf)5	18:31	6.2	Middle	2	1	18.00	8.17	27.66	114.3	9.17	3.5	8.8
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS(Mf)5	18:30	6.2	Middle	2	2	17.95	8.16	27.80	112.8	9.05	3.4	9.6
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS(Mf)5	18:31	11.3	Bottom	3	1	17.90	8.16	27.99	114.2	9.16	2.9	11.6
HKLR	HY/2011/03	2018-01-24	Mid-Ebb	Sunny	CS(Mf)5	18:30	11.3	Bottom	3	2	17.90	8.16	27.99	112.6	9.03	3.5	12.6
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS5	12:15	1.0	Surface	1	1	18.47	8.33	26.55	132.3	10.58	5.6	10.9
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS5	12:16	1.0	Surface	1	2	18.50	8.33	26.53	132.1	10.57	5.6	10.8
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS5	12:16	4.1	Middle	2	1	18.41	8.32	26.60	132.0	10.57	5.7	13.6
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS5	12:15	4.1	Middle	2	2	18.43	8.32	26.58	132.1	10.58	5.8	13.6
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS5	12:16	7.2	Bottom	3	1	18.45	8.33	26.58	132.4	10.60	5.7	12.2
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS5	12:15	7.2	Bottom	3	2	18.41	8.32	26.61	132.8	10.64	5.8	12.9
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS(Mf)6	12:05	1.0	Surface	1	1	18.61	8.35	26.49	134.3	10.72	7.0	14.8
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS(Mf)6	12:06	1.0	Surface	1	2	18.61	8.35	26.49	135.2	10.79	6.9	13.1
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS(Mf)6	12:06	2.3	Bottom	3	1	18.61	8.35	26.50	134.6	10.75	7.0	17.7
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS(Mf)6	12:05	2.3	Bottom	3	2	18.61	8.35	26.50	133.7	10.67	6.9	17.6
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS7	11:56	1.0	Surface	1	1	18.59	8.36	26.45	135.4	10.82	6.1	16.3
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS7	11:57	1.0	Surface	1	2	18.58	8.36	26.46	135.7	10.84	6.2	17.2
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS7	11:56	2.3	Bottom	3	1	18.59	8.37	26.46	135.0	10.78	6.3	20.1
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS7	11:56	2.3	Bottom	3	2	18.58	8.36	26.46	135.5	10.83	6.3	18.9
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS8	11:30	1.0	Surface	1	1	18.32	8.23	26.29	125.8	10.11	13.2	19.8
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS8	11:29	1.0	Surface	1	2	18.34	8.23	26.29	125.4	10.08	13.1	21.5
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS8	11:29	3.0	Bottom	3	1	18.34	8.24	26.30	125.2	10.06	13.4	29.8
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS8	11:30	3.0	Bottom	3	2	18.31	8.23	26.30	125.4	10.08	13.5	28.4
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS(Mf)9	11:49	1.0	Surface	1	1	18.47	8.31	26.29	129.9	10.41	8.4	18.4
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS(Mf)9	11:48	1.0	Surface	1	2	18.47	8.31	26.28	128.3	10.29	9.3	19.4
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS(Mf)9	11:49	2.7	Bottom	3	1	18.47	8.31	26.29	129.0	10.34	8.5	18.3
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS(Mf)9	11:48	2.7	Bottom	3	2	18.46	8.31	26.27	127.1	10.19	9.6	17.9
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS10(N)	11:40	1.0	Surface	1	1	18.24	8.46	28.40	124.7	9.91	7.5	15.4
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS10(N)	11:40	1.0	Surface	1	2	18.27	8.47	28.37	123.3	9.80	7.5	14.1
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS10(N)	11:40	5.4	Middle	2	1	18.17	8.44	28.59	123.1	9.79	7.7	13.7
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS10(N)	11:39	5.4	Middle	2	2	18.20	8.46	28.47	120.5	9.58	7.7	14.0
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS10(N)	11:39	9.7	Bottom	3	1	18.18	8.46	28.54	118.1	9.39	7.5	16.3
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	IS10(N)	11:40	9.7	Bottom	3	2	18.17	8.44	28.63	123.3	9.80	7.8	16.4
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR3(N)	12:23	1.0	Surface	1	1	18.50	8.31	26.62	129.0	10.32	5.6	12.5
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR3(N)	12:23	1.0	Surface	1	2	18.38	8.30	26.64	126.9	10.17	5.6	11.3
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR3(N)	12:23	2.5	Bottom	3	1	18.35	8.30	26.64	126.0	10.10	5.7	15.8
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR3(N)	12:23	2.5	Bottom	3	2	18.37	8.30	26.64	127.8	10.24	5.6	15.6
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR4(N)	11:38	1.0	Surface	1	1	18.41	8.25	26.42	129.9	10.41	7.7	15.8
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR4(N)	11:38	1.0	Surface	1	2	18.42	8.25	26.43	130.3	10.45	7.9	15.0
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR4(N)	11:38	2.7	Bottom	3	1	18.41	8.25	26.43	129.7	10.40	7.9	20.6
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR4(N)	11:38	2.7	Bottom	3	2	18.42	8.25	26.43	130.0	10.42	8.0	21.0
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR5(N)	11:52	1.0	Surface	1	1	18.25	8.45	28.42	125.3	9.96	7.5	12.3
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR5(N)	11:51	1.0	Surface	1	2	18.23	8.45	28.44	125.1	9.94	7.9	13.8
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR5(N)	11:51	4.1	Middle	2	1	18.18	8.44	28.56	124.4	9.90	8.5	15.9
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR5(N)	11:52	4.1	Middle	2	2	18.19	8.44	28.53	124.5	9.90	8.1	15.2
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR5(N)	11:51	7.2	Bottom	3	1	18.19	8.45	28.54	124.8	9.93	9.1	16.9
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR5(N)	11:51	7.2	Bottom	3	2	18.19	8.44	28.55	124.7	9.92	8.7	18.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10A(N)	10:53	1.0	Surface	1	1	18.04	8.33	29.45	120.4	9.55	3.3	6.3
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10A(N)	10:53	1.0	Surface	1	2	18.05	8.34	29.43	120.3	9.54	3.5	6.6
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10A(N)	10:53	6.9	Middle	2	1	17.97	8.33	29.80	119.3	9.45	3.4	8.5
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10A(N)	10:52	6.9	Middle	2	2	17.97	8.31	29.77	119.2	9.45	3.4	7.2
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10A(N)	10:53	12.7	Bottom	3	1	17.97	8.32	29.78	119.8	9.49	4.2	8.4
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10A(N)	10:52	12.7	Bottom	3	2	17.97	8.30	29.77	119.6	9.48	4.2	9.9
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10B(N2)	10:41	1.0	Surface	1	1	18.09	8.34	29.27	121.0	9.60	4.1	6.1
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10B(N2)	10:40	1.0	Surface	1	2	18.10	8.34	29.21	120.1	9.52	4.0	6.5
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10B(N2)	10:41	3.3	Middle	2	1	18.01	8.33	29.67	119.9	9.50	3.8	6.1
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10B(N2)	10:40	3.3	Middle	2	2	18.01	8.32	29.61	116.5	9.23	3.5	6.2
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10B(N2)	10:40	5.6	Bottom	3	1	17.99	8.32	29.72	113.4	8.99	3.5	6.9
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	SR10B(N2)	10:40	5.6	Bottom	3	2	18.00	8.33	29.70	113.9	9.04	3.7	6.6
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS2(A)	12:51	1.0	Surface	1	1	18.18	8.43	29.39	119.8	9.49	8.8	9.0
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS2(A)	12:52	1.0	Surface	1	2	18.23	8.43	29.32	123.7	9.78	9.0	10.5
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS2(A)	12:51	3.7	Middle	2	1	17.78	8.37	30.22	116.7	9.24	11.0	11.0
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS2(A)	12:51	3.7	Middle	2	2	17.77	8.37	30.16	118.6	9.41	11.5	10.4
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS2(A)	12:50	6.3	Bottom	3	1	17.79	8.36	30.25	107.2	8.50	10.6	15.0
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS2(A)	12:51	6.3	Bottom	3	2	17.87	8.39	30.06	111.2	8.82	11.1	13.7
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS(Mf)5	11:09	1.0	Surface	1	1	18.21	8.15	26.50	118.3	9.52	2.7	7.0
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS(Mf)5	11:08	1.0	Surface	1	2	18.20	8.14	26.57	118.1	9.50	2.6	8.3
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS(Mf)5	11:08	6.2	Middle	2	1	18.11	8.12	26.82	116.9	9.40	2.8	8.5
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS(Mf)5	11:08	6.2	Middle	2	2	18.10	8.11	26.89	117.0	9.41	2.7	7.0
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS(Mf)5	11:08	11.4	Bottom	3	1	18.07	8.11	26.97	117.4	9.44	2.8	11.5
HKLR	HY/2011/03	2018-01-24	Mid-Flood	Sunny	CS(Mf)5	11:07	11.4	Bottom	3	2	18.06	8.11	27.09	117.6	9.45	2.8	10.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS5	7:29	1.0	Surface	1	1	18.34	8.34	26.79	124.7	9.99	4.0	6.1
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS5	7:28	1.0	Surface	1	2	18.33	8.34	26.74	121.5	9.69	4.1	5.0
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS5	7:29	4.2	Middle	2	1	18.34	8.31	27.31	123.8	9.89	4.3	5.6
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS5	7:28	4.2	Middle	2	2	18.32	8.29	27.37	118.5	9.50	4.4	5.8
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS5	7:28	7.4	Bottom	3	1	18.26	8.28	27.73	110.0	8.78	4.4	5.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS5	7:29	7.4	Bottom	3	2	18.31	8.30	27.64	114.7	9.16	4.5	5.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS(Mf)6	7:20	1.0	Surface	1	1	18.31	8.35	26.47	110.6	8.88	6.3	5.1
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS(Mf)6	7:20	1.0	Surface	1	2	18.30	8.36	26.50	116.0	9.32	6.2	4.9
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS(Mf)6	7:20	2.3	Bottom	3	1	18.31	8.35	26.52	113.5	9.12	6.7	5.8
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS(Mf)6	7:20	2.3	Bottom	3	2	18.30	8.34	26.45	106.8	8.58	6.5	5.0
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS7	7:12	1.0	Surface	1	1	18.19	8.36	26.34	112.6	9.07	5.0	4.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS7	7:12	1.0	Surface	1	2	18.17	8.36	26.35	114.6	9.23	4.9	6.0
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS7	7:12	2.4	Bottom	3	1	18.18	8.36	26.38	109.3	8.81	5.2	6.8
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS7	7:12	2.4	Bottom	3	2	18.22	8.35	26.42	105.8	8.51	4.9	6.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS8	6:41	1.0	Surface	1	1	18.21	8.25	26.47	119.1	9.58	9.0	6.9
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS8	6:41	1.0	Surface	1	2	18.20	8.24	26.49	115.9	9.33	9.8	7.0
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS8	6:41	3.1	Bottom	3	1	18.20	8.23	26.52	113.8	9.16	10.1	7.3
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS8	6:41	3.1	Bottom	3	2	18.19	8.23	26.59	117.3	9.44	9.7	6.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS(Mf)9	7:04	1.0	Surface	1	1	18.26	8.35	26.26	119.0	9.58	4.2	6.2
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS(Mf)9	7:04	1.0	Surface	1	2	18.25	8.32	26.24	113.6	9.15	4.0	6.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS(Mf)9	7:03	2.7	Bottom	3	1	18.24	8.30	26.34	110.1	8.86	3.9	5.0
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS(Mf)9	7:04	2.7	Bottom	3	2	18.24	8.33	26.33	115.6	9.31	4.2	4.6
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS10(N)	6:48	1.0	Surface	1	1	18.14	8.40	29.34	121.5	9.62	3.4	3.6
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS10(N)	6:48	1.0	Surface	1	2	18.15	8.41	29.34	121.1	9.59	3.3	4.1
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS10(N)	6:48	5.3	Middle	2	1	18.02	8.36	30.05	120.7	9.52	3.6	3.1
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS10(N)	6:48	5.3	Middle	2	2	18.04	8.37	29.94	120.8	9.55	3.7	3.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS10(N)	6:47	9.6	Bottom	3	1	18.01	8.35	30.14	120.2	9.51	3.9	3.7
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	IS10(N)	6:48	9.6	Bottom	3	2	18.07	8.38	29.90	120.9	9.56	3.8	3.9
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR3(N)	7:41	1.0	Surface	1	1	18.34	8.36	26.72	126.3	10.12	3.7	5.6
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR3(N)	7:41	1.0	Surface	1	2	18.36	8.35	26.80	126.2	10.10	3.6	5.7
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR3(N)	7:41	2.8	Bottom	3	1	18.35	8.35	26.85	126.3	10.11	3.6	4.2
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR3(N)	7:40	2.8	Bottom	3	2	18.38	8.34	26.94	125.8	10.06	3.8	4.2
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR4(N)	6:51	1.0	Surface	1	1	18.19	8.26	26.50	121.4	9.77	8.1	4.6
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR4(N)	6:51	1.0	Surface	1	2	18.20	8.26	26.53	122.3	9.84	8.2	4.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR4(N)	6:51	2.9	Bottom	3	1	18.19	8.25	26.58	120.8	9.72	8.4	3.8
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR4(N)	6:51	2.9	Bottom	3	2	18.20	8.25	26.58	121.8	9.80	8.5	3.2
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR5(N)	6:59	1.0	Surface	1	1	18.06	8.39	29.68	122.3	9.67	3.5	3.7
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR5(N)	6:59	1.0	Surface	1	2	18.08	8.40	29.53	122.0	9.65	3.4	3.0
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR5(N)	6:59	4.1	Middle	2	1	18.03	8.37	30.04	121.6	9.63	3.6	3.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR5(N)	6:59	4.1	Middle	2	2	18.04	8.38	29.95	121.9	9.66	3.6	2.9
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR5(N)	6:59	7.1	Bottom	3	1	18.10	8.39	29.82	121.6	9.61	3.7	3.8
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR5(N)	6:59	7.1	Bottom	3	2	18.14	8.40	29.72	121.8	9.63	3.8	4.3
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10A(N)	5:48	1.0	Surface	1	1	17.78	8.26	31.38	115.8	9.12	2.2	1.9
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10A(N)	5:48	1.0	Surface	1	2	17.77	8.26	31.41	115.7	9.12	2.1	1.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10A(N)	5:48	6.9	Middle	2	1	17.76	8.26	31.48	115.5	9.10	2.2	1.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10A(N)	5:47	6.9	Middle	2	2	17.76	8.25	31.47	115.4	9.09	2.3	1.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10A(N)	5:48	12.8	Bottom	3	1	17.77	8.26	31.47	115.6	9.10	2.4	2.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10A(N)	5:47	12.8	Bottom	3	2	17.77	8.25	31.45	115.6	9.10	2.3	2.9
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10B(N2)	5:38	1.0	Surface	1	1	17.79	8.22	31.31	115.3	9.08	2.1	1.1
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10B(N2)	5:39	1.0	Surface	1	2	17.79	8.24	31.36	115.6	9.11	2.2	1.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10B(N2)	5:38	3.8	Middle	2	1	17.77	8.23	31.44	115.2	9.08	2.3	3.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10B(N2)	5:38	3.8	Middle	2	2	17.77	8.21	31.43	114.8	9.04	2.3	2.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10B(N2)	5:37	6.6	Bottom	3	1	17.75	8.19	31.51	114.5	9.01	2.5	2.2
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	SR10B(N2)	5:38	6.6	Bottom	3	2	17.76	8.23	31.49	115.0	9.06	2.4	3.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS2(A)	7:49	1.0	Surface	1	1	17.97	8.39	27.45	122.5	9.83	2.7	3.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS2(A)	7:48	1.0	Surface	1	2	17.99	8.39	28.10	122.7	9.86	2.6	2.6
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS2(A)	7:48	4.0	Middle	2	1	17.87	8.39	29.62	121.0	9.68	2.8	2.6
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS2(A)	7:48	4.0	Middle	2	2	17.85	8.38	30.07	121.7	9.65	2.8	3.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS2(A)	7:48	6.9	Bottom	3	1	17.96	8.36	30.85	119.7	9.51	3.0	4.9
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS2(A)	7:48	6.9	Bottom	3	2	17.92	8.37	31.49	120.5	9.46	2.9	6.6

Water Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS(Mf)5	6:14	1.0	Surface	1	1	17.94	8.22	26.97	115.9	9.35	2.3	2.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS(Mf)5	6:13	1.0	Surface	1	2	17.95	8.24	27.36	112.3	9.04	2.3	2.5
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS(Mf)5	6:14	6.3	Middle	2	1	17.92	8.23	28.03	114.1	9.14	2.3	3.1
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS(Mf)5	6:13	6.3	Middle	2	2	17.92	8.23	28.64	109.5	8.75	2.1	3.3
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS(Mf)5	6:13	11.5	Bottom	3	1	17.93	8.23	28.11	113.8	9.12	2.3	2.4
HKLR	HY/2011/03	2018-01-26	Mid-Ebb	Cloudy	CS(Mf)5	6:13	11.5	Bottom	3	2	17.88	8.24	29.22	106.8	8.51	2.3	3.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS5	12:26	1.0	Surface	1	1	18.57	8.43	25.92	130.6	10.47	4.1	4.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS5	12:26	1.0	Surface	1	2	18.62	8.43	25.91	133.1	10.66	4.2	4.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS5	12:26	4.4	Middle	2	1	18.46	8.40	26.29	124.9	10.02	5.4	3.8
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS5	12:26	4.4	Middle	2	2	18.44	8.38	26.43	130.7	10.47	5.1	4.6
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS5	12:25	7.8	Bottom	3	1	18.35	8.36	26.85	121.3	9.71	5.5	4.7
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS5	12:26	7.8	Bottom	3	2	18.37	8.36	27.08	130.9	10.46	5.5	5.7
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS(Mf)6	12:40	1.0	Surface	1	1	18.61	8.47	25.91	133.3	10.68	3.8	4.3
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS(Mf)6	12:39	1.0	Surface	1	2	18.65	8.47	25.87	125.2	10.02	3.7	5.9
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS(Mf)6	12:39	2.3	Bottom	3	1	18.50	8.46	25.95	123.5	9.89	3.8	6.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS(Mf)6	12:40	2.3	Bottom	3	2	18.57	8.47	25.94	129.8	10.41	3.8	6.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS7	12:50	1.0	Surface	1	1	18.66	8.43	25.90	128.7	10.32	3.2	5.5
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS7	12:51	1.0	Surface	1	2	18.69	8.46	25.89	136.3	10.91	3.3	4.3
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS7	12:50	2.4	Bottom	3	1	18.56	8.42	25.97	123.0	9.85	3.2	6.0
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS7	12:50	2.4	Bottom	3	2	18.55	8.40	25.93	114.5	9.18	3.3	5.7
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS8	13:22	1.0	Surface	1	1	18.46	8.36	25.83	127.7	10.27	4.7	4.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS8	13:22	1.0	Surface	1	2	18.39	8.35	25.99	119.6	9.62	5.0	5.2
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS8	13:22	3.0	Bottom	3	1	18.30	8.34	26.37	114.0	9.17	5.9	4.9
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS8	13:22	3.0	Bottom	3	2	18.40	8.35	26.14	122.0	9.80	6.0	4.6
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS(Mf)9	13:01	1.0	Surface	1	1	18.45	8.37	26.11	124.9	10.02	5.9	7.8
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS(Mf)9	13:01	1.0	Surface	1	2	18.42	8.36	26.09	114.9	9.23	6.0	8.2
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS(Mf)9	13:00	2.8	Bottom	3	1	18.33	8.32	26.26	109.2	8.78	6.6	8.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS(Mf)9	13:01	2.8	Bottom	3	2	18.40	8.36	26.20	119.1	9.57	6.3	7.6
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS10(N)	13:04	1.0	Surface	1	1	18.26	8.43	28.96	131.1	10.37	4.4	4.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS10(N)	13:04	1.0	Surface	1	2	18.32	8.44	28.74	131.2	10.39	4.3	3.0
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS10(N)	13:04	5.4	Middle	2	1	18.14	8.42	29.57	130.9	10.36	4.4	3.8
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS10(N)	13:04	5.4	Middle	2	2	18.14	8.42	29.53	130.4	10.33	4.5	3.8
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS10(N)	13:04	9.7	Bottom	3	1	18.22	8.42	29.41	130.6	10.32	4.6	3.8
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	IS10(N)	13:04	9.7	Bottom	3	2	18.18	8.42	29.72	129.7	10.26	4.5	4.9
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR3(N)	12:13	1.0	Surface	1	1	18.60	8.36	25.02	126.8	10.21	3.7	7.5
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR3(N)	12:13	1.0	Surface	1	2	18.61	8.37	24.71	124.5	10.17	4.0	8.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR3(N)	12:13	2.1	Bottom	3	1	18.62	8.36	24.66	111.4	8.99	3.7	8.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR3(N)	12:13	2.1	Bottom	3	2	18.58	8.37	25.02	122.8	9.89	4.1	9.0
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR4(N)	13:14	1.0	Surface	1	1	18.41	8.33	26.00	125.0	10.05	9.3	11.7
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR4(N)	13:14	1.0	Surface	1	2	18.38	8.32	26.06	118.2	9.50	9.4	10.2
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR4(N)	13:14	2.9	Bottom	3	1	18.36	8.32	26.17	111.9	8.99	10.2	12.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR4(N)	13:14	2.9	Bottom	3	2	18.38	8.33	26.11	121.9	9.80	10.0	12.2
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR5(N)	12:54	1.0	Surface	1	1	18.50	8.45	28.27	131.2	10.37	4.7	4.8
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR5(N)	12:54	1.0	Surface	1	2	18.28	8.44	28.89	131.4	10.39	4.6	4.2
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR5(N)	12:54	4.2	Middle	2	1	18.18	8.43	29.37	130.8	10.35	4.7	3.7
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR5(N)	12:54	4.2	Middle	2	2	18.15	8.43	29.48	130.2	10.32	4.7	4.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR5(N)	12:54	7.4	Bottom	3	1	18.25	8.43	29.32	130.2	10.30	4.9	4.5
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR5(N)	12:54	7.4	Bottom	3	2	18.31	8.43	29.18	129.7	10.27	4.8	4.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10A(N)	14:02	1.0	Surface	1	1	17.84	8.36	31.20	117.4	9.25	3.4	6.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10A(N)	14:02	1.0	Surface	1	2	17.83	8.36	31.26	116.7	9.19	3.5	6.3
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10A(N)	14:02	7.1	Middle	2	1	17.80	8.35	31.41	117.0	9.21	3.7	5.5
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10A(N)	14:02	7.1	Middle	2	2	17.80	8.35	31.43	116.2	9.15	3.6	4.9
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10A(N)	14:02	13.1	Bottom	3	1	17.83	8.36	31.36	117.3	9.23	3.8	5.2
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10A(N)	14:02	13.1	Bottom	3	2	17.83	8.36	31.36	116.2	9.15	3.9	5.3
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10B(N2)	14:13	1.0	Surface	1	1	17.80	8.35	31.34	119.5	9.41	2.7	3.9
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10B(N2)	14:13	1.0	Surface	1	2	17.81	8.35	31.35	118.7	9.35	2.8	3.0
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10B(N2)	14:13	3.9	Middle	2	1	17.79	8.34	31.45	118.5	9.33	2.9	4.8
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10B(N2)	14:13	3.9	Middle	2	2	17.79	8.35	31.45	118.2	9.31	3.1	3.7
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10B(N2)	14:13	6.8	Bottom	3	1	17.81	8.35	31.41	117.8	9.28	3.3	3.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	SR10B(N2)	14:13	6.8	Bottom	3	2	17.82	8.35	31.37	117.8	9.28	3.3	4.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS2(A)	12:01	1.0	Surface	1	1	18.24	8.41	29.33	127.6	10.09	4.3	4.9
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS2(A)	12:01	1.0	Surface	1	2	18.12	8.42	29.92	128.8	10.17	4.2	4.7
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS2(A)	12:01	4.0	Middle	2	1	17.90	8.40	31.32	127.1	9.99	4.5	4.7
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS2(A)	12:01	4.0	Middle	2	2	17.91	8.40	31.18	125.6	9.88	4.6	6.6
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS2(A)	12:01	7.0	Bottom	3	1	17.98	8.39	31.45	127.5	10.00	4.8	5.0
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS2(A)	12:01	7.0	Bottom	3	2	17.93	8.39	31.45	125.4	9.84	4.8	5.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS(Mf)5	13:52	1.0	Surface	1	1	18.10	8.33	26.70	122.0	9.82	2.5	4.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS(Mf)5	13:51	1.0	Surface	1	2	18.11	8.30	26.65	120.2	9.65	2.7	3.8
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS(Mf)5	13:51	6.2	Middle	2	1	17.84	8.21	27.99	116.7	9.37	4.5	3.3
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS(Mf)5	13:50	6.2	Middle	2	2	17.84	8.24	27.92	120.6	9.71	4.3	4.1
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS(Mf)5	13:50	11.4	Bottom	3	1	17.84	8.24	28.04	106.7	8.57	4.6	7.4
HKLR	HY/2011/03	2018-01-26	Mid-Flood	Cloudy	CS(Mf)5	13:51	11.4	Bottom	3	2	17.86	8.23	28.08	108.0	8.68	4.4	7.3
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS5	12:10	1.0	Surface	1	1	17.29	8.26	27.13	106.6	8.70	5.5	13
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS5	12:10	1.0	Surface	1	2	17.31	8.26	27.11	106.8	8.71	5.4	12.7
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS5	12:09	4.2	Middle	2	1	17.28	8.26	27.14	106.5	8.69	5.5	17.3
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS5	12:10	4.2	Middle	2	2	17.29	8.26	27.16	106.5	8.69	5.5	18
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS5	12:09	7.3	Bottom	3	1	17.28	8.26	27.12	106.6	8.70	5.6	16.6
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS5	12:10	7.3	Bottom	3	2	17.29	8.26	27.15	106.6	8.69	5.7	17.1
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS(Mf)6	12:01	1.0	Surface	1	1	17.32	8.25	27.08	108.4	8.84	5.0	10.7
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS(Mf)6	12:01	1.0	Surface	1	2	17.32	8.25	27.09	108.4	8.84	5.0	9.2
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS(Mf)6	12:01	2.2	Bottom	3	1	17.31	8.25	27.09	108.3	8.84	5.1	14.9
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS(Mf)6	12:01	2.2	Bottom	3	2	17.31	8.25	27.08	108.3	8.83	5.0	16.7
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS7	11:53	1.0	Surface	1	1	17.11	8.29	26.87	115.2	9.44	3.6	9.6
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS7	11:53	1.0	Surface	1	2	17.12	8.29	26.86	115.3	9.45	3.7	9.3

Water Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS7	11:53	2.3	Bottom	3	1	17.12	8.29	26.86	115.5	9.47	3.8	9.8
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS7	11:53	2.3	Bottom	3	2	17.12	8.29	26.90	115.5	9.47	3.8	9.6
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS8	11:27	1.0	Surface	1	1	17.13	8.25	26.75	113.4	9.30	4.1	12.4
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS8	11:27	1.0	Surface	1	2	17.09	8.25	26.70	113.9	9.35	4.2	13.6
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS8	11:27	3.1	Bottom	3	1	17.10	8.25	26.75	113.6	9.33	4.3	12.1
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS8	11:27	3.1	Bottom	3	2	17.10	8.25	26.77	113.6	9.33	4.3	13
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS(Mf)9	11:45	1.0	Surface	1	1	17.21	8.26	26.90	112.4	9.20	4.7	10.2
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS(Mf)9	11:45	1.0	Surface	1	2	17.20	8.25	26.87	112.7	9.22	4.6	9.1
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS(Mf)9	11:45	2.5	Bottom	3	1	17.19	8.25	26.86	112.8	9.24	4.8	11.8
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS(Mf)9	11:45	2.5	Bottom	3	2	17.20	8.26	26.89	112.5	9.21	4.7	12.1
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS10(N)	11:44	1.0	Surface	1	1	17.26	8.35	29.90	114.7	9.13	2.2	13.5
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS10(N)	11:44	1.0	Surface	1	2	17.22	8.35	30.01	115.8	9.22	2.3	13
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS10(N)	11:44	5.3	Middle	2	1	17.41	8.33	30.74	113.7	9.08	2.5	12.7
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS10(N)	11:44	5.3	Middle	2	2	17.37	8.33	30.35	113.6	9.12	2.4	12.4
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS10(N)	11:44	9.6	Bottom	3	1	17.31	8.33	30.56	112.9	9.02	2.7	17.4
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	IS10(N)	11:44	9.6	Bottom	3	2	17.41	8.33	30.81	112.7	9.05	2.7	16
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR3(N)	12:19	1.0	Surface	1	1	17.19	8.25	27.09	107.7	8.81	5.4	12.9
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR3(N)	12:18	1.0	Surface	1	2	17.19	8.25	27.07	108.0	8.83	5.5	11.2
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR3(N)	12:18	2.3	Bottom	3	1	17.19	8.24	27.07	108.2	8.85	5.6	12.5
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR3(N)	12:19	2.3	Bottom	3	2	17.18	8.25	27.09	107.9	8.82	5.5	12.1
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR4(N)	11:34	1.0	Surface	1	1	17.09	8.25	26.83	110.5	9.07	3.3	12.5
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR4(N)	11:34	1.0	Surface	1	2	17.09	8.25	26.83	110.5	9.07	3.4	11.7
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR4(N)	11:34	2.5	Bottom	3	1	17.11	8.25	26.86	110.7	9.07	3.4	13.3
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR4(N)	11:34	2.5	Bottom	3	2	17.07	8.25	26.84	110.7	9.08	3.5	12.5
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR5(N)	11:56	1.0	Surface	1	1	17.25	8.34	30.01	112.3	9.01	2.5	9
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR5(N)	11:56	1.0	Surface	1	2	17.23	8.35	29.98	112.7	9.05	2.4	8
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR5(N)	11:56	4.2	Middle	2	1	17.36	8.33	30.30	112.8	9.01	2.6	7.8
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR5(N)	11:56	4.2	Middle	2	2	17.37	8.33	30.31	112.5	8.99	2.7	9.2
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR5(N)	11:56	7.4	Bottom	3	1	17.33	8.33	30.48	113.3	9.05	3.0	9.4
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR5(N)	11:56	7.4	Bottom	3	2	17.30	8.33	30.40	112.8	9.02	2.9	9.8
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10A(N)	10:48	1.0	Surface	1	1	17.26	8.24	32.11	107.0	8.47	1.9	9.4
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10A(N)	10:47	1.0	Surface	1	2	17.26	8.23	32.12	107.5	8.52	1.8	9.7
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10A(N)	10:48	6.9	Middle	2	1	17.26	8.23	32.12	107.1	8.48	2.1	10.5
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10A(N)	10:47	6.9	Middle	2	2	17.25	8.22	32.13	107.4	8.51	2.1	10.4
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10A(N)	10:48	12.8	Bottom	3	1	17.26	8.23	32.12	107.1	8.48	2.3	10.5
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10A(N)	10:47	12.8	Bottom	3	2	17.26	8.22	32.13	107.6	8.53	2.2	11.8
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10B(N2)	10:35	1.0	Surface	1	1	17.24	8.18	32.13	111.8	8.86	2.7	9.3
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10B(N2)	10:36	1.0	Surface	1	2	17.26	8.21	32.12	111.4	8.83	2.9	10.8
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10B(N2)	10:35	3.9	Middle	2	1	17.26	8.15	32.13	109.5	8.68	2.9	9.3
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10B(N2)	10:36	3.9	Middle	2	2	17.26	8.20	32.14	110.4	8.75	3.0	9.9
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10B(N2)	10:35	6.7	Bottom	3	1	17.24	8.14	32.14	108.6	8.60	3.1	9.3
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	SR10B(N2)	10:36	6.7	Bottom	3	2	17.26	8.19	32.15	108.8	8.62	3.2	9.4
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS2(A)	12:48	1.0	Surface	1	1	16.90	8.34	30.88	110.6	8.89	4.4	10.2
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS2(A)	12:49	1.0	Surface	1	2	16.89	8.34	29.33	109.7	8.90	4.5	11.5
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS2(A)	12:48	4.0	Middle	2	1	16.90	8.34	30.89	109.5	8.80	4.7	12.2
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS2(A)	12:48	4.0	Middle	2	2	16.93	8.34	30.92	111.2	8.93	4.6	13
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS2(A)	12:48	6.9	Bottom	3	1	16.94	8.33	31.07	110.3	8.85	4.8	11.9
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS2(A)	12:48	6.9	Bottom	3	2	16.95	8.34	30.98	111.9	8.98	4.9	11.7
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS(Mf)5	11:01	1.0	Surface	1	1	17.15	8.19	27.34	109.0	8.87	2.5	11
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS(Mf)5	11:00	1.0	Surface	1	2	17.28	8.18	27.46	109.9	8.90	2.6	9.6
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS(Mf)5	11:00	6.3	Middle	2	1	17.38	8.15	28.00	109.0	8.87	2.6	10.4
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS(Mf)5	11:01	6.3	Middle	2	2	17.39	8.16	27.92	108.6	8.84	2.5	10.6
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS(Mf)5	11:00	11.5	Bottom	3	1	17.34	8.15	28.23	108.9	8.83	2.7	10.2
HKLR	HY/2011/03	2018-01-29	Mid-Ebb	Cloudy	CS(Mf)5	11:01	11.5	Bottom	3	2	17.32	8.16	28.04	108.4	8.78	2.7	9.4
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS5	15:18	1.0	Surface	1	1	17.17	8.31	27.20	107.4	8.78	5.5	11.4
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS5	15:17	1.0	Surface	1	2	17.18	8.32	27.18	107.5	8.79	5.6	10.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS5	15:17	4.2	Middle	2	1	17.18	8.32	27.20	107.3	8.77	5.6	10.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS5	15:18	4.2	Middle	2	2	17.18	8.32	27.21	107.3	8.77	5.7	10.5
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS5	15:18	7.4	Bottom	3	1	17.18	8.31	27.21	107.3	8.77	5.7	11.7
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS5	15:17	7.4	Bottom	3	2	17.18	8.32	27.19	107.4	8.78	5.7	12.2
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS(Mf)6	15:26	1.0	Surface	1	1	16.87	8.33	27.09	111.9	9.21	5.2	10.3
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS(Mf)6	15:26	1.0	Surface	1	2	16.87	8.33	27.10	111.7	9.19	5.2	9.8
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS(Mf)6	15:26	2.3	Bottom	3	1	16.87	8.33	27.09	111.9	9.20	5.2	9.7
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS(Mf)6	15:26	2.3	Bottom	3	2	16.87	8.33	27.10	111.8	9.20	5.3	10.5
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS7	15:34	1.0	Surface	1	1	17.07	8.29	26.98	110.2	9.04	3.6	5.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS7	15:34	1.0	Surface	1	2	17.06	8.30	27.01	109.9	9.01	3.5	5.8
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS7	15:34	2.4	Bottom	3	1	17.06	8.29	26.97	110.6	9.07	3.7	6.8
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS7	15:34	2.4	Bottom	3	2	17.06	8.29	27.00	110.0	9.02	3.6	7.8
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS8	15:59	1.0	Surface	1	1	17.01	8.28	26.83	110.8	9.10	8.4	12.8
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS8	16:00	1.0	Surface	1	2	17.02	8.29	26.90	110.5	9.07	8.3	13.7
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS8	15:59	3.2	Bottom	3	1	17.01	8.28	26.80	110.8	9.11	8.7	14.4
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS8	15:59	3.2	Bottom	3	2	17.02	8.28	26.87	110.5	9.08	8.8	13.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS(Mf)9	15:42	1.0	Surface	1	1	17.13	8.31	27.15	111.9	9.16	5.5	8.5
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS(Mf)9	15:42	1.0	Surface	1	2	17.10	8.31	27.13	111.8	9.15	5.4	9.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS(Mf)9	15:42	2.6	Bottom	3	1	17.13	8.31	27.16	112.0	9.16	5.8	11.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS(Mf)9	15:42	2.6	Bottom	3	2	17.08	8.31	27.15	111.3	9.11	5.7	13
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS10(N)	16:00	1.0	Surface	1	1	17.21	8.31	30.68	110.9	8.87	2.5	6.3
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS10(N)	16:00	1.0	Surface	1	2	17.20	8.31	30.69	111.0	8.88	2.6	6.4
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS10(N)	16:00	5.4	Middle	2	1	17.23	8.31	30.70	110.9	8.86	2.6	11.4
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS10(N)	16:00	5.4	Middle	2	2	17.23	8.31	30.69	110.8	8.86	2.5	11.7
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS10(N)	16:00	9.7	Bottom	3	1	17.21	8.31	30.70	110.9	8.87	2.6	10.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	IS10(N)	16:00	9.7	Bottom	3	2	17.22	8.31	30.72	111.0	8.88	2.6	10.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR3(N)	15:08	1.0	Surface	1	1	17.24	8.30	27.21	108.1	8.83	5.3	8.2
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR3(N)	15:08	1.0	Surface	1	2	17.24	8.30	27.22	108.1	8.82	5.2	9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR3(N)	15:08	2.3	Bottom	3	1	17.24	8.30	27.22	108.3	8.84	5.4	13.5
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR3(N)	15:08	2.3	Bottom	3	2	17.24	8.30	27.23	108.1	8.82	5.4	14.3
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR4(N)	15:54	1.0	Surface	1	1	16.93	8.29	26.89	109.8	9.03	4.8	14
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR4(N)	15:54	1.0	Surface	1	2	16.93	8.30	26.90	109.6	9.02	4.9	12.5
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR4(N)	15:53	2.7	Bottom	3	1	16.93	8.29	26.89	109.9	9.04	5.0	14.0
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR4(N)	15:54	2.7	Bottom	3	2	16.93	8.29	26.91	109.7	9.03	5.1	14.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR5(N)	15:48	1.0	Surface	1	1	17.22	8.31	30.72	113.6	9.08	2.1	5.2
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR5(N)	15:48	1.0	Surface	1	2	17.22	8.31	30.72	112.9	9.02	1.9	5.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR5(N)	15:48	4.3	Middle	2	1	17.26	8.31	30.76	112.0	8.95	2.2	7.9
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR5(N)	15:48	4.3	Middle	2	2	17.25	8.31	30.75	112.6	9.00	2.3	9
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR5(N)	15:48	7.5	Bottom	3	1	17.25	8.31	30.81	111.6	8.92	2.4	13.4
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR5(N)	15:48	7.5	Bottom	3	2	17.24	8.31	30.76	111.7	8.92	2.5	12.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10A(N)	16:58	1.0	Surface	1	1	17.09	8.26	32.20	111.4	8.85	2.2	5.3
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10A(N)	16:58	1.0	Surface	1	2	17.09	8.25	32.21	112.4	8.93	2.3	5.8
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10A(N)	16:58	7.1	Middle	2	1	17.10	8.25	32.25	110.4	8.77	2.4	7.7
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10A(N)	16:58	7.1	Middle	2	2	17.08	8.26	32.20	108.4	8.61	2.4	7.4
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10A(N)	16:58	13.1	Bottom	3	1	17.07	8.26	32.24	107.8	8.56	2.5	9.2
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10A(N)	16:58	13.1	Bottom	3	2	17.10	8.25	32.25	107.2	8.51	2.6	8.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10B(N2)	17:09	1.0	Surface	1	1	17.10	8.25	32.21	105.1	8.35	2.2	9.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10B(N2)	17:09	1.0	Surface	1	2	17.10	8.25	32.23	105.4	8.37	2.3	8.7
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10B(N2)	17:09	4	Middle	2	1	17.10	8.25	32.25	105.5	8.38	2.4	9.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10B(N2)	17:09	4	Middle	2	2	17.10	8.25	32.25	105.0	8.33	2.4	11
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10B(N2)	17:09	6.9	Bottom	3	1	17.10	8.25	32.25	105.7	8.39	2.6	13
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	SR10B(N2)	17:09	6.9	Bottom	3	2	17.10	8.25	32.25	105.1	8.35	2.5	12.2
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS2(A)	14:54	1.0	Surface	1	1	16.86	8.35	30.54	109.8	8.85	3.1	9.8
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS2(A)	14:54	1.0	Surface	1	2	16.85	8.35	30.54	110.9	8.94	3.1	10.9
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS2(A)	14:54	4.1	Middle	2	1	16.86	8.35	30.54	111.2	8.97	3.2	10.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS2(A)	14:54	4.1	Middle	2	2	16.86	8.34	30.58	109.9	8.86	3.3	10.2
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS2(A)	14:54	7.1	Bottom	3	1	16.86	8.35	30.55	111.9	9.01	3.4	14.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS2(A)	14:54	7.1	Bottom	3	2	16.86	8.35	30.57	110.4	8.90	3.5	15.8
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS(Mf)5	16:27	1.0	Surface	1	1	16.94	8.30	27.82	110.3	9.03	2.2	11.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS(Mf)5	16:27	1.0	Surface	1	2	16.96	8.29	27.86	110.0	8.99	2.1	11.1
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS(Mf)5	16:27	6.4	Middle	2	1	17.06	8.28	28.04	110.2	8.98	2.2	10.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS(Mf)5	16:27	6.4	Middle	2	2	17.14	8.27	28.27	110.2	8.95	2.2	10.5
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS(Mf)5	16:26	11.7	Bottom	3	1	17.10	8.28	28.26	110.3	8.97	2.3	11.6
HKLR	HY/2011/03	2018-01-29	Mid-Flood	Cloudy	CS(Mf)5	16:27	11.7	Bottom	3	2	17.04	8.28	28.18	110.4	8.99	2.3	10.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS5	11:52	1.0	Surface	1	1	15.62	8.25	26.89	100.2	8.44	4.4	11.9
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS5	11:51	1.0	Surface	1	2	15.62	8.23	26.78	107.8	9.09	4.4	10.7
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS5	11:51	4.2	Middle	2	1	15.72	8.21	26.80	105.3	8.88	4.5	11.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS5	11:52	4.2	Middle	2	2	15.67	8.24	26.92	98.9	8.34	4.5	11.0
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS5	11:51	7.4	Bottom	3	1	15.71	8.20	26.76	102.4	8.66	4.4	11.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS5	11:52	7.4	Bottom	3	2	15.73	8.24	26.94	98.6	8.33	4.5	10.0
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS(Mf)6	12:27	1.0	Surface	1	1	15.67	8.21	27.10	109.2	9.20	3.0	6.2
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS(Mf)6	12:27	1.0	Surface	1	2	15.70	8.24	27.20	111.8	9.43	3.1	7.1
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS(Mf)6	12:27	2.1	Bottom	3	1	15.71	8.23	27.17	105.5	8.88	3.1	14.7
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS(Mf)6	12:27	2.1	Bottom	3	2	15.64	8.19	26.92	107.1	9.01	3.1	14.9
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS7	12:38	1.0	Surface	1	1	15.70	8.28	27.28	102.0	8.58	3.3	11.7
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS7	12:37	1.0	Surface	1	2	15.68	8.27	27.26	101.5	8.54	3.2	11.9
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS7	12:37	2.2	Bottom	3	1	15.74	8.27	27.29	101.4	8.52	3.3	11.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS7	12:37	2.2	Bottom	3	2	15.74	8.26	27.28	101.9	8.57	3.2	11.9
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS8	13:06	1.0	Surface	1	1	15.78	8.22	27.56	100.3	8.41	6.2	12.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS8	13:06	1.0	Surface	1	2	15.74	8.23	27.53	100.2	8.41	6.2	11.2
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS8	13:06	2.9	Bottom	3	1	15.82	8.22	27.71	101.4	8.49	6.0	12.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS8	13:06	2.9	Bottom	3	2	15.80	8.22	27.73	100.6	8.42	6.1	12.2
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS(Mf)9	12:48	1.0	Surface	1	1	15.88	8.19	27.63	106.1	8.88	4.3	6.0
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS(Mf)9	12:48	1.0	Surface	1	2	15.88	8.19	27.67	103.2	8.63	4.4	4.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS(Mf)9	12:47	2.7	Bottom	3	1	15.87	8.20	27.75	108.4	9.06	4.3	13.9
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS(Mf)9	12:48	2.7	Bottom	3	2	15.92	8.19	27.79	103.8	8.67	4.3	12.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS10(N)	12:40	1.0	Surface	1	1	16.20	8.31	31.80	99.6	8.07	4.1	9.7
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS10(N)	12:40	1.0	Surface	1	2	16.18	8.31	31.77	99.3	8.05	4.2	8.2
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS10(N)	12:40	5.3	Middle	2	1	16.22	8.31	31.89	99.8	8.08	4.3	9.1
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS10(N)	12:40	5.3	Middle	2	2	16.23	8.31	31.88	99.6	8.06	4.4	8.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS10(N)	12:40	9.5	Bottom	3	1	16.14	8.31	31.87	99.9	8.10	4.5	14.1
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	IS10(N)	12:40	9.5	Bottom	3	2	16.20	8.31	31.88	99.6	8.07	4.6	13.2
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR3(N)	11:43	1.0	Surface	1	1	15.71	8.21	26.78	102.4	8.64	5.2	9.4
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR3(N)	11:42	1.0	Surface	1	2	15.72	8.16	26.70	106.9	9.02	5.1	10.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR3(N)	11:42	2.3	Bottom	3	1	15.66	8.06	26.63	111.1	9.39	5.0	12.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR3(N)	11:43	2.3	Bottom	3	2	15.73	8.18	26.75	104.8	8.83	5.3	12.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR4(N)	12:59	1.0	Surface	1	1	15.72	8.19	27.38	104.5	8.78	4.7	8.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR4(N)	12:59	1.0	Surface	1	2	15.72	8.21	27.45	102.3	8.59	4.8	7.1
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR4(N)	12:58	2.5	Bottom	3	1	15.73	8.17	27.34	106.6	8.96	4.8	12.4
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR4(N)	12:59	2.5	Bottom	3	2	15.80	8.19	27.61	103.5	8.67	4.8	13.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR5(N)	12:28	1.0	Surface	1	1	16.13	8.31	31.75	99.9	8.10	4.3	9.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR5(N)	12:28	1.0	Surface	1	2	16.14	8.31	31.77	99.6	8.09	4.2	8.7
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR5(N)	12:28	4.2	Middle	2	1	16.22	8.31	31.88	100.1	8.10	4.5	10.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR5(N)	12:28	4.2	Middle	2	2	16.21	8.31	31.89	100.0	8.10	4.4	9.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR5(N)	12:28	7.3	Bottom	3	1	16.12	8.31	31.85	99.9	8.11	4.6	15.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR5(N)	12:28	7.3	Bottom	3	2	16.15	8.31	31.87	100.2	8.12	4.7	15.3
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10A(N)	13:33	1.0	Surface	1	1	16.38	8.27	32.24	103.5	8.34	3.2	11.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10A(N)	13:33	1.0	Surface	1	2	16.40	8.27	32.23	103.1	8.32	3.2	11.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10A(N)	13:33	6.8	Middle	2	1	16.41	8.27	32.26	102.6	8.26	3.4	10.7
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10A(N)	13:33	6.8	Middle	2	2	16.36	8.27	32.22	101.3	8.15	3.4	11.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10A(N)	13:33	12.5	Bottom	3	1	16.41	8.27	32.27	100.7	8.11	3.6	10.9
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10A(N)	13:32	12.5	Bottom	3	2	16.35	8.27	32.23	100.3	8.07	3.7	10.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10B(N2)	13:44	1.0	Surface	1	1	16.37	8.28	32.20	98.7	7.95	3.2	12.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10B(N2)	13:45	1.0	Surface	1	2	16.39	8.28	32.23	98.3	7.92	3.1	11.7
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10B(N2)	13:44	4.0	Middle	2	1	16.39	8.27	32.23	98.8	7.96	3.4	13.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10B(N2)	13:45	4.0	Middle	2	2	16.40	8.27	32.24	98.5	7.93	3.3	13.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10B(N2)	13:44	6.9	Bottom	3	1	16.36	8.27	32.24	99.0	7.98	3.6	15.5
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	SR10B(N2)	13:45	6.9	Bottom	3	2	16.37	8.28	32.25	98.6	7.95	3.5	14.7
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS2(A)	11:30	1.0	Surface	1	1	16.20	8.30	31.80	102.9	8.34	4.2	9.4
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS2(A)	11:30	1.0	Surface	1	2	16.15	8.29	31.87	102.4	8.30	4.1	10.9
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS2(A)	11:30	3.9	Middle	2	1	16.17	8.29	31.78	101.6	8.23	4.2	10.1
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS2(A)	11:30	3.9	Middle	2	2	16.23	8.30	31.90	102.0	8.27	4.3	9.1
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS2(A)	11:30	6.8	Bottom	3	1	16.20	8.29	31.90	100.9	8.17	4.4	12.2
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS2(A)	11:30	6.8	Bottom	3	2	16.21	8.28	31.87	100.5	8.15	4.4	13.1
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS(Mf)5	13:38	1.0	Surface	1	1	16.25	8.22	28.52	100.0	8.23	3.7	8.0
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS(Mf)5	13:37	1.0	Surface	1	2	16.24	8.20	28.45	104.6	8.61	3.6	8.8
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS(Mf)5	13:37	6.2	Middle	2	1	16.33	8.18	28.49	102.0	8.41	5.1	7.9
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS(Mf)5	13:38	6.2	Middle	2	2	16.36	8.20	28.63	99.0	8.18	5.1	8.4
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS(Mf)5	13:38	11.3	Bottom	3	1	16.38	8.20	28.65	98.8	8.14	5.4	7.6
HKLR	HY/2011/03	2018-01-31	Mid-Ebb	Rainy	CS(Mf)5	13:37	11.3	Bottom	3	2	16.38	8.17	28.50	101.4	8.38	5.6	7.3
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS5	8:13	1.0	Surface	1	1	15.83	8.20	27.29	106.8	8.96	5.2	11.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS5	8:14	1.0	Surface	1	2	15.83	8.22	27.35	99.0	8.29	5.2	12.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS5	8:14	4.4	Middle	2	1	15.84	8.21	27.37	98.7	8.28	5.4	11.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS5	8:13	4.4	Middle	2	2	15.82	8.19	27.29	103.2	8.66	5.4	10.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS5	8:14	7.7	Bottom	3	1	15.85	8.21	27.38	98.5	8.26	5.6	12.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS5	8:13	7.7	Bottom	3	2	15.82	8.18	27.24	102.1	8.57	5.5	11.5
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS(Mf)6	8:02	1.0	Surface	1	1	15.76	8.21	27.18	100.4	8.44	4.2	6.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS(Mf)6	8:01	1.0	Surface	1	2	15.76	8.20	27.12	103.6	8.71	4.3	7.2
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS(Mf)6	8:01	2.2	Bottom	3	1	15.79	8.20	27.13	106.1	8.91	4.5	10.7
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS(Mf)6	8:01	2.2	Bottom	3	2	15.81	8.21	27.22	101.8	8.55	4.4	9.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS7	7:53	1.0	Surface	1	1	15.93	8.21	27.27	100.3	8.40	4.5	6.1
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS7	7:53	1.0	Surface	1	2	15.94	8.20	27.23	101.7	8.52	4.6	5.1
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS7	7:53	2.2	Bottom	3	1	15.98	8.20	27.27	101.2	8.47	4.6	11.7
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS7	7:53	2.2	Bottom	3	2	15.99	8.19	27.23	103.8	8.68	4.8	12.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS8	7:19	1.0	Surface	1	1	15.92	8.11	26.77	107.3	9.02	4.6	7.3
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS8	7:20	1.0	Surface	1	2	15.89	8.13	26.86	109.4	9.19	4.3	7.5
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS8	7:20	2.8	Bottom	3	1	15.91	8.12	26.85	103.8	8.72	4.4	8.3
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS8	7:19	2.8	Bottom	3	2	15.92	8.09	26.75	105.7	8.87	4.5	8.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS(Mf)9	7:44	1.0	Surface	1	1	15.99	8.17	27.14	104.0	8.70	5.4	7.5
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS(Mf)9	7:44	1.0	Surface	1	2	16.07	8.15	27.04	109.0	9.11	5.1	7.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS(Mf)9	7:44	2.7	Bottom	3	1	16.10	8.16	27.16	106.0	8.85	5.5	9.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS(Mf)9	7:44	2.7	Bottom	3	2	16.05	8.15	27.02	110.3	9.23	5.2	8.4
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS10(N)	7:16	1.0	Surface	1	1	15.94	8.32	31.65	105.2	8.57	8.0	10.5
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS10(N)	7:15	1.0	Surface	1	2	15.95	8.31	31.61	104.1	8.49	7.9	10.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS10(N)	7:16	5.4	Middle	2	1	15.92	8.32	31.69	103.6	8.45	8.2	12.4
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS10(N)	7:15	5.4	Middle	2	2	15.95	8.31	31.65	102.6	8.36	8.1	12.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS10(N)	7:16	9.7	Bottom	3	1	15.94	8.31	31.66	102.2	8.33	8.4	15.4
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	IS10(N)	7:15	9.7	Bottom	3	2	15.94	8.31	31.67	102.0	8.31	8.3	15.2
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR3(N)	8:23	1.0	Surface	1	1	15.84	8.20	27.20	104.3	8.75	4.7	9.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR3(N)	8:24	1.0	Surface	1	2	15.84	8.21	27.29	101.4	8.50	4.8	8.3
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR3(N)	8:23	2.5	Bottom	3	1	15.79	8.19	27.15	107.3	9.01	4.8	11.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR3(N)	8:23	2.5	Bottom	3	2	15.85	8.21	27.27	102.8	8.62	4.8	12.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR4(N)	7:29	1.0	Surface	1	1	15.99	8.16	27.36	106.9	8.94	4.4	8.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR4(N)	7:29	1.0	Surface	1	2	15.97	8.14	27.28	103.3	8.64	4.5	8.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR4(N)	7:29	2.7	Bottom	3	1	15.99	8.14	27.23	101.5	8.49	4.3	8.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR4(N)	7:29	2.7	Bottom	3	2	16.00	8.15	27.37	100.6	8.41	4.4	8.4
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR5(N)	7:29	1.0	Surface	1	1	15.96	8.32	31.63	100.2	8.17	8.2	15.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR5(N)	7:28	1.0	Surface	1	2	15.95	8.32	31.64	100.6	8.20	8.1	15.0
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR5(N)	7:29	4.2	Middle	2	1	15.95	8.32	31.65	100.2	8.17	8.4	15.5
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR5(N)	7:28	4.2	Middle	2	2	15.92	8.32	31.69	100.6	8.20	8.4	15.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR5(N)	7:28	7.4	Bottom	3	1	15.94	8.32	31.68	100.6	8.20	8.5	17.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR5(N)	7:28	7.4	Bottom	3	2	15.96	8.32	31.64	100.3	8.18	8.4	17.4
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10A(N)	6:28	1.0	Surface	1	1	16.36	8.25	32.00	99.3	8.01	6.6	14.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10A(N)	6:28	1.0	Surface	1	2	16.36	8.24	32.00	99.3	8.01	6.5	13.0
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10A(N)	6:28	7	Middle	2	1	16.36	8.25	31.99	99.2	8.00	6.7	14.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10A(N)	6:28	7	Middle	2	2	16.36	8.24	31.99	99.2	8.01	6.8	14.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10A(N)	6:27	12.9	Bottom	3	1	16.37	8.23	31.99	99.3	8.01	7.0	15.4
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10A(N)	6:28	12.9	Bottom	3	2	16.36	8.24	31.99	99.2	8.00	6.9	15.0
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10B(N2)	6:15	1.0	Surface	1	1	16.38	8.21	32.03	101.1	8.15	6.5	16.2
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10B(N2)	6:15	1.0	Surface	1	2	16.38	8.18	32.05	100.7	8.12	6.5	15.2
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10B(N2)	6:15	4	Middle	2	1	16.38	8.20	32.03	100.3	8.09	6.7	16.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10B(N2)	6:15	4	Middle	2	2	16.39	8.16	32.04	100.0	8.06	6.7	16.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10B(N2)	6:15	6.9	Bottom	3	1	16.38	8.15	32.05	99.8	8.04	6.9	18.7
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	SR10B(N2)	6:15	6.9	Bottom	3	2	16.38	8.19	32.04	99.7	8.04	6.9	17.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS2(A)	8:35	1.0	Surface	1	1	15.96	8.33	31.62	99.9	8.14	7.1	12.3
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS2(A)	8:36	1.0	Surface	1	2	15.96	8.33	31.61	99.8	8.13	7.2	11.3
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS2(A)	8:36	4.0	Middle	2	1	15.95	8.33	31.64	99.7	8.13	7.4	11.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS2(A)	8:35	4.0	Middle	2	2	15.95	8.33	31.65	99.8	8.13	7.3	12.2
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS2(A)	8:35	7.0	Bottom	3	1	15.96	8.33	31.64	99.8	8.13	7.6	15.5
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS2(A)	8:35	7.0	Bottom	3	2	15.97	8.33	31.64	99.9	8.14	7.5	16.2
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS(Mf)5	6:54	1.0	Surface	1	1	16.24	8.07	27.46	99.3	8.25	7.3	8.8
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS(Mf)5	6:55	1.0	Surface	1	2	16.23	8.10	27.49	99.1	8.24	7.4	7.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS(Mf)5	6:54	5.9	Middle	2	1	16.23	8.06	27.52	99.0	8.23	7.5	13.7
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS(Mf)5	6:55	5.9	Middle	2	2	16.23	8.10	27.52	98.9	8.22	7.5	14.6
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS(Mf)5	6:54	10.8	Bottom	3	1	16.20	8.09	27.53	98.4	8.18	7.5	12.9
HKLR	HY/2011/03	2018-01-31	Mid-Flood	Rainy	CS(Mf)5	6:53	10.8	Bottom	3	2	16.22	8.02	27.60	98.9	8.22	7.7	12.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS5	13:25	1.0	Surface	1	1	14.80	8.22	27.26	104.0	8.92	4.3	6.9
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS5	13:25	1.0	Surface	1	2	14.79	8.20	27.16	103.2	8.84	4.2	6.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS5	13:24	4.1	Middle	2	1	14.78	8.19	27.20	101.6	8.71	4.4	8.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS5	13:25	4.1	Middle	2	2	14.79	8.21	27.27	102.3	8.77	4.4	9.1
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS5	13:25	7.2	Bottom	3	1	14.80	8.21	27.21	100.2	8.59	4.6	7.5
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS5	13:24	7.2	Bottom	3	2	14.75	8.19	27.21	101.0	8.65	4.6	7.9
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS(Mf)6	13:32	1.0	Surface	1	1	14.82	8.24	27.05	105.6	9.10	4.0	5.0
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS(Mf)6	13:32	1.0	Surface	1	2	14.84	8.24	27.12	105.6	9.06	4.1	6.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS(Mf)6	13:32	2.6	Bottom	3	1	14.84	8.24	27.09	104.7	8.98	4.0	8.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS(Mf)6	13:32	2.6	Bottom	3	2	14.53	8.24	27.15	103.1	8.84	4.0	10.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS7	13:42	1.0	Surface	1	1	14.82	8.26	26.95	107.4	9.21	3.2	4.9
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS7	13:42	1.0	Surface	1	2	14.83	8.27	26.99	108.3	9.29	3.3	6.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS7	13:42	2.4	Bottom	3	1	14.82	8.26	26.98	107.4	9.22	3.3	12.3
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS7	13:42	2.4	Bottom	3	2	14.82	8.26	26.92	106.1	9.10	3.3	11.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS8	14:06	1.0	Surface	1	1	14.97	8.25	27.29	105.4	9.01	5.2	7.2
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS8	14:06	1.0	Surface	1	2	14.95	8.24	27.18	105.4	9.01	5.3	6.2
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS8	14:06	2.9	Bottom	3	1	14.91	8.21	27.30	104.6	8.94	5.5	9.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS8	14:06	2.9	Bottom	3	2	14.94	8.24	27.34	103.7	8.85	5.5	9.3
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS(Mf)9	13:50	1.0	Surface	1	1	15.00	8.27	27.33	100.2	8.54	5.0	10.9
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS(Mf)9	13:51	1.0	Surface	1	2	15.00	8.27	27.36	100.0	8.53	5.0	9.0
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS(Mf)9	13:50	2.5	Bottom	3	1	15.00	8.27	27.34	100.2	8.55	5.2	11.0
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS(Mf)9	13:50	2.5	Bottom	3	2	15.00	8.27	27.36	100.1	8.53	5.2	11.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS10(N)	14:09	1.0	Surface	1	1	15.36	8.53	32.08	97.7	8.03	4.3	7.5
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS10(N)	14:08	1.0	Surface	1	2	15.37	8.53	32.09	97.5	8.01	4.1	8.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS10(N)	14:08	5.3	Middle	2	1	15.37	8.53	32.09	97.4	8.01	4.4	7.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS10(N)	14:09	5.3	Middle	2	2	15.37	8.53	32.08	97.5	8.02	4.3	8.3
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS10(N)	14:08	9.6	Bottom	3	1	15.37	8.53	32.09	97.4	8.01	4.5	9.7
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	IS10(N)	14:09	9.6	Bottom	3	2	15.37	8.53	32.09	97.5	8.02	4.4	10.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR3(N)	13:17	1.0	Surface	1	1	14.82	8.21	26.39	103.0	8.86	4.6	7.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR3(N)	13:17	1.0	Surface	1	2	14.82	8.22	26.29	104.4	8.99	4.5	7.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR3(N)	13:17	3.0	Bottom	3	1	14.82	8.21	26.34	104.3	8.98	4.7	6.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR3(N)	13:17	3.0	Bottom	3	2	14.83	8.23	26.28	105.3	9.07	4.7	7.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR4(N)	14:00	1.0	Surface	1	1	14.84	8.24	27.04	104.9	8.99	3.3	9.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR4(N)	14:01	1.0	Surface	1	2	14.86	8.24	27.17	105.3	9.02	3.3	10.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR4(N)	14:00	3.0	Bottom	3	1	14.87	8.23	27.21	103.0	8.81	3.5	11.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR4(N)	14:00	3.0	Bottom	3	2	14.84	8.24	27.05	102.4	8.76	3.6	12.3
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR5(N)	13:56	1.0	Surface	1	1	15.42	8.53	32.12	97.5	8.01	5.1	7.3
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR5(N)	13:56	1.0	Surface	1	2	15.36	8.53	32.11	97.7	8.03	5.0	6.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR5(N)	13:56	4.1	Middle	2	1	15.38	8.53	32.11	97.5	8.02	5.1	6.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR5(N)	13:56	4.1	Middle	2	2	15.44	8.53	32.15	97.5	8.01	5.2	7.3
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR5(N)	13:56	7.1	Bottom	3	1	15.39	8.53	32.15	97.7	8.03	5.6	10.1
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR5(N)	13:56	7.1	Bottom	3	2	15.36	8.53	32.12	97.6	8.02	5.5	11.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10A(N)	14:59	1.0	Surface	1	1	15.98	8.48	32.41	94.9	7.70	8.1	10.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10A(N)	14:59	1.0	Surface	1	2	15.98	8.48	32.41	94.9	7.69	8.2	11.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10A(N)	14:59	6.8	Middle	2	1	15.98	8.48	32.41	94.8	7.69	8.1	10.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10A(N)	14:58	6.8	Middle	2	2	15.99	8.48	32.41	94.8	7.69	8.0	11.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10A(N)	14:58	12.6	Bottom	3	1	15.99	8.48	32.41	95.0	7.70	8.1	18.0
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10A(N)	14:59	12.6	Bottom	3	2	15.98	8.48	32.41	94.8	7.69	8.2	17.5
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10B(N2)	15:12	1.0	Surface	1	1	16.00	8.48	32.42	94.8	7.68	7.6	10.1
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10B(N2)	15:12	1.0	Surface	1	2	16.00	8.48	32.42	94.8	7.68	7.7	9.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10B(N2)	15:12	3.8	Middle	2	1	16.00	8.48	32.42	94.7	7.68	7.8	11.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10B(N2)	15:12	3.8	Middle	2	2	16.00	8.48	32.42	94.7	7.67	7.8	11.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10B(N2)	15:12	6.5	Bottom	3	1	16.00	8.48	32.42	94.7	7.67	7.9	20.3
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	SR10B(N2)	15:12	6.5	Bottom	3	2	16.00	8.48	32.42	94.6	7.67	7.8	18.6
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS2(A)	13:01	1.0	Surface	1	1	15.37	8.53	32.11	97.4	8.00	5.5	10.0
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS2(A)	13:01	1.0	Surface	1	2	15.37	8.53	32.10	97.3	8.00	5.6	10.7
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS2(A)	13:01	3.8	Middle	2	1	15.39	8.53	32.12	97.3	7.99	5.5	11.2
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS2(A)	13:01	3.8	Middle	2	2	15.39	8.53	32.13	97.3	8.00	5.5	10.4
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS2(A)	13:01	6.5	Bottom	3	1	15.41	8.53	32.14	97.3	7.99	5.6	12.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS2(A)	13:01	6.5	Bottom	3	2	15.37	8.53	32.14	97.3	8.00	5.5	11.9
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS(Mf)5	14:29	1.0	Surface	1	1	15.71	8.21	27.71	103.2	8.65	5.1	12.0
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS(Mf)5	14:30	1.0	Surface	1	2	15.72	8.22	27.78	104.4	8.75	5.2	12.5
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS(Mf)5	14:29	6.2	Middle	2	1	15.74	8.22	27.84	102.0	8.56	5.3	12.5
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS(Mf)5	14:29	6.2	Middle	2	2	15.75	8.20	27.79	100.4	8.42	5.4	12.9
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS(Mf)5	14:29	11.4	Bottom	3	1	15.73	8.19	27.80	100.2	8.40	5.5	14.8
HKLR	HY/2011/03	2018-02-02	Mid-Ebb	Cloudy	CS(Mf)5	14:29	11.4	Bottom	3	2	15.72	8.21	27.81	100.2	8.40	5.6	14.6
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS5	9:11	1.0	Surface	1	1	14.81	8.11	27.52	104.4	8.93	4.4	8.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS5	9:11	1.0	Surface	1	2	14.81	8.12	27.60	105.7	9.06	4.5	9.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS5	9:11	4.2	Middle	2	1	14.81	8.12	27.59	102.9	8.80	4.7	9.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS5	9:11	4.2	Middle	2	2	14.80	8.10	27.49	101.7	8.69	4.7	8.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS5	9:11	7.3	Bottom	3	1	14.81	8.11	27.56	100.1	8.55	4.9	10.3
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS5	9:11	7.3	Bottom	3	2	14.72	8.11	27.46	100.6	8.60	4.9	10.3
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS(Mf)6	9:03	1.0	Surface	1	1	14.70	8.10	27.57	104.2	8.94	4.5	9.0
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS(Mf)6	9:03	1.0	Surface	1	2	14.68	8.09	27.52	105.5	9.04	4.5	9.1
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS(Mf)6	9:03	2.6	Bottom	3	1	14.69	8.10	27.57	102.0	8.74	4.5	15.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS(Mf)6	9:03	2.6	Bottom	3	2	14.69	8.09	27.51	102.5	8.78	4.6	16.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS7	8:55	1.0	Surface	1	1	14.67	8.13	27.49	107.6	9.23	7.1	11.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS7	8:55	1.0	Surface	1	2	14.67	8.12	27.41	106.3	9.12	7.2	11.1
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS7	8:55	2.5	Bottom	3	1	14.66	8.12	27.40	103.2	8.85	7.3	16.0
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS7	8:55	2.5	Bottom	3	2	14.67	8.12	27.44	104.9	9.00	7.4	16.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS8	8:28	1.0	Surface	1	1	14.99	8.11	27.32	105.1	8.95	8.5	15.8
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS8	8:28	1.0	Surface	1	2	14.96	8.11	27.21	105.4	8.98	8.6	16.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS8	8:28	3.0	Bottom	3	1	14.97	8.11	27.38	102.7	8.77	8.8	23.3
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS8	8:28	3.0	Bottom	3	2	15.00	8.10	27.27	104.0	8.87	8.9	21.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS(Mf)9	8:46	1.0	Surface	1	1	14.99	8.10	27.41	108.4	9.27	6.2	13.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS(Mf)9	8:46	1.0	Surface	1	2	14.97	8.09	27.31	107.8	9.20	6.3	12.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS(Mf)9	8:46	2.7	Bottom	3	1	14.98	8.09	27.36	103.6	8.83	6.6	12.6
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS(Mf)9	8:46	2.7	Bottom	3	2	14.87	8.11	27.31	106.2	9.06	6.5	12.7
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS10(N)	8:45	1.0	Surface	1	1	15.12	8.54	31.93	98.2	8.13	10.9	15.6
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS10(N)	8:45	1.0	Surface	1	2	15.11	8.54	31.91	98.1	8.11	10.8	15.0
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS10(N)	8:45	5.4	Middle	2	1	15.13	8.53	31.95	98.2	8.12	11.0	19.0
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS10(N)	8:45	5.4	Middle	2	2	15.13	8.54	31.94	98.1	8.11	10.9	20.2
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS10(N)	8:45	9.8	Bottom	3	1	15.12	8.54	31.95	98.1	8.11	11.2	21.8
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	IS10(N)	8:44	9.8	Bottom	3	2	15.13	8.53	31.95	98.3	8.13	11.2	20.7
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR3(N)	9:21	1.0	Surface	1	1	14.81	8.17	27.76	96.4	8.23	5.2	10.2
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR3(N)	9:20	1.0	Surface	1	2	14.81	8.17	27.75	96.7	8.26	5.3	10.2
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR3(N)	9:20	3.2	Bottom	3	1	14.82	8.17	27.76	96.8	8.27	5.4	10.3
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR3(N)	9:21	3.2	Bottom	3	2	14.81	8.17	27.77	96.5	8.24	5.5	11.2
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR4(N)	8:36	1.0	Surface	1	1	14.97	8.09	27.63	106.1	9.04	6.2	9.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR4(N)	8:36	1.0	Surface	1	2	14.96	8.08	27.55	105.3	8.98	6.1	8.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR4(N)	8:36	2.9	Bottom	3	1	14.91	8.09	27.67	103.3	8.79	6.4	14.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR4(N)	8:36	2.9	Bottom	3	2	14.99	8.08	27.73	104.1	8.83	6.3	14.6
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR5(N)	9:01	1.0	Surface	1	1	15.34	8.51	32.00	96.8	7.97	13.2	21.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR5(N)	9:01	1.0	Surface	1	2	15.30	8.51	32.00	96.9	7.98	13.1	22.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR5(N)	9:00	4.2	Middle	2	1	15.33	8.51	32.02	96.7	7.96	13.5	23.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR5(N)	9:01	4.2	Middle	2	2	15.30	8.51	32.00	96.7	7.96	13.8	24.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR5(N)	9:00	7.3	Bottom	3	1	15.34	8.51	32.01	96.7	7.96	13.8	23.2
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR5(N)	9:01	7.3	Bottom	3	2	15.32	8.51	31.99	96.8	7.97	14.0	24.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10A(N)	7:52	1.0	Surface	1	1	15.61	8.50	32.23	96.9	7.92	8.9	18.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10A(N)	7:52	1.0	Surface	1	2	15.60	8.50	32.23	96.8	7.91	8.8	18.0
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10A(N)	7:52	6.8	Middle	2	1	15.61	8.50	32.23	96.8	7.91	9.2	18.8
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10A(N)	7:52	6.8	Middle	2	2	15.59	8.50	32.23	96.8	7.91	9.0	17.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10A(N)	7:52	12.6	Bottom	3	1	15.61	8.50	32.22	96.7	7.91	9.7	17.7
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10A(N)	7:52	12.6	Bottom	3	2	15.61	8.50	32.22	96.8	7.92	9.8	17.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10B(N2)	7:41	1.0	Surface	1	1	15.62	8.50	32.24	97.2	7.94	10.0	13.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10B(N2)	7:41	1.0	Surface	1	2	15.61	8.50	32.23	97.6	7.98	10.0	14.6
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10B(N2)	7:40	4.1	Middle	2	1	15.61	8.50	32.23	98.0	8.01	10.0	15.1
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10B(N2)	7:41	4.1	Middle	2	2	15.62	8.50	32.24	97.1	7.94	9.9	16.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10B(N2)	7:41	7.1	Bottom	3	1	15.62	8.50	32.24	97.2	7.95	10.5	16.0
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	SR10B(N2)	7:40	7.1	Bottom	3	2	15.61	8.50	32.23	98.3	8.03	10.3	16.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS2(A)	9:52	1.0	Surface	1	1	14.95	8.53	31.93	99.5	8.26	14.7	11.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS2(A)	9:52	1.0	Surface	1	2	14.95	8.53	31.93	100.2	8.31	14.8	10.0
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS2(A)	9:52	4.0	Middle	2	1	14.97	8.53	31.92	99.6	8.26	15.0	12.7
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS2(A)	9:52	4.0	Middle	2	2	14.95	8.53	31.93	100.3	8.32	15.2	11.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS2(A)	9:52	7.0	Bottom	3	1	14.96	8.53	31.93	100.7	8.36	15.5	15.9
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS2(A)	9:52	7.0	Bottom	3	2	14.96	8.53	31.93	99.8	8.28	15.7	16.7
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS(Mf)5	8:07	1.0	Surface	1	1	15.32	8.04	28.01	97.0	8.18	6.3	10.6
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS(Mf)5	8:07	1.0	Surface	1	2	15.33	8.03	28.03	97.4	8.22	6.3	10.5
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS(Mf)5	8:06	6.3	Middle	2	1	15.33	8.02	28.08	97.5	8.22	6.4	11.2
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS(Mf)5	8:07	6.3	Middle	2	2	15.32	8.04	28.05	97.0	8.18	6.5	10.4
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS(Mf)5	8:07	11.5	Bottom	3	1	15.33	8.03	28.05	97.3	8.21	6.6	12.0
HKLR	HY/2011/03	2018-02-02	Mid-Flood	Cloudy	CS(Mf)5	8:06	11.5	Bottom	3	2	15.32	8.01	28.07	97.6	8.24	6.7	12.4
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS5	15:25	1.0	Surface	1	1	13.67	8.24	27.60	101.9	8.91	3.4	4.2
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS5	15:24	1.0	Surface	1	2	13.69	8.24	27.58	103.9	9.10	3.4	5.6
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS5	15:24	4.1	Middle	2	1	13.67	8.24	27.69	103.0	9.00	3.6	4.9
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS5	15:25	4.1	Middle	2	2	13.65	8.24	27.72	101.0	8.83	3.5	6.6
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS5	15:24	7.2	Bottom	3	1	13.64	8.24	27.75	101.0	8.83	3.5	4.8
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS5	15:24	7.2	Bottom	3	2	13.62	8.25	27.73	102.6	8.97	3.5	4.8
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS(Mf)6	15:32	1.0	Surface	1	1	13.68	8.26	27.40	105.3	9.24	8.5	13.2
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS(Mf)6	15:32	1.0	Surface	1	2	13.69	8.25	27.45	104.8	9.17	8.3	14.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS(Mf)6	15:32	2.2	Bottom	3	1	13.68	8.25	27.46	104.0	9.10	8.5	16.7
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS(Mf)6	15:32	2.2	Bottom	3	2	13.59	8.26	27.40	105.3	9.22	8.5	15.5
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS7	15:41	1.0	Surface	1	1	13.79	8.29	27.38	108.5	9.48	4.2	7.4
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS7	15:41	1.0	Surface	1	2	13.80	8.30	27.47	108.3	9.46	4.1	8.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS7	15:41	2.2	Bottom	3	1	13.80	8.29	27.48	108.0	9.43	4.1	7.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS7	15:40	2.2	Bottom	3	2	13.72	8.29	27.37	106.7	9.34	4.1	6.2
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS8	16:07	1.0	Surface	1	1	14.16	8.27	27.69	104.9	9.05	6.0	8.6
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS8	16:07	1.0	Surface	1	2	14.16	8.27	27.60	107.2	9.26	6.1	7.4
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS8	16:07	2.8	Bottom	3	1	14.26	8.26	27.66	105.1	9.10	6.3	9.2
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS8	16:07	2.8	Bottom	3	2	14.25	8.26	27.79	103.9	8.99	6.0	10.1
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS(Mf)9	15:50	1.0	Surface	1	1	14.25	8.26	27.73	103.5	8.94	6.2	8.9
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS(Mf)9	15:49	1.0	Surface	1	2	14.25	8.26	27.66	106.1	9.17	6.1	8.8
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS(Mf)9	15:49	2.5	Bottom	3	1	14.25	8.26	27.74	102.1	8.82	6.4	9.5
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS(Mf)9	15:49	2.5	Bottom	3	2	14.22	8.26	27.70	104.6	9.04	6.5	9.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS10(N)	16:01	1.0	Surface	1	1	14.88	8.27	32.47	96.6	8.00	4.8	3.8
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS10(N)	16:01	1.0	Surface	1	2	14.88	8.28	32.47	97.0	8.04	4.9	3.9
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS10(N)	16:01	5.2	Middle	2	1	14.88	8.28	32.47	96.6	8.00	5.1	3.3
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS10(N)	16:01	5.2	Middle	2	2	14.88	8.28	32.47	97.2	8.05	5.0	4.2
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS10(N)	16:01	9.4	Bottom	3	1	14.88	8.28	32.46	96.7	8.01	5.2	4.7
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	IS10(N)	16:01	9.4	Bottom	3	2	14.87	8.28	32.47	97.3	8.06	5.1	6.2
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR3(N)	15:16	1.0	Surface	1	1	13.69	8.26	26.68	103.4	9.10	3.4	5.4
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR3(N)	15:16	1.0	Surface	1	2	13.70	8.28	26.55	103.9	9.14	3.3	4.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR3(N)	15:16	2.5	Bottom	3	1	13.69	8.27	26.62	103.6	9.12	3.4	6.5
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR3(N)	15:16	2.5	Bottom	3	2	13.69	8.28	26.45	104.1	9.17	3.3	5.1
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR4(N)	16:01	1.0	Surface	1	1	14.00	8.24	27.54	105.2	9.14	3.4	5.8
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR4(N)	16:01	1.0	Surface	1	2	14.01	8.24	27.59	103.7	9.01	3.5	4.9
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR4(N)	16:01	2.5	Bottom	3	1	14.00	8.24	27.56	104.4	9.07	3.6	6.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR4(N)	16:01	2.5	Bottom	3	2	14.01	8.24	27.63	103.3	8.97	3.6	5.5

Water Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR5(N)	15:48	1.0	Surface	1	1	14.88	8.28	32.47	99.5	8.24	4.2	5.5
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR5(N)	15:48	1.0	Surface	1	2	14.88	8.28	32.47	98.1	8.12	4.3	5.4
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR5(N)	15:48	4.1	Middle	2	1	14.88	8.28	32.47	98.3	8.14	4.4	4.3
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR5(N)	15:48	4.1	Middle	2	2	14.87	8.28	32.47	100.0	8.28	4.4	5.3
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR5(N)	15:48	7.2	Bottom	3	1	14.87	8.28	32.47	100.6	8.33	4.6	6.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR5(N)	15:48	7.2	Bottom	3	2	14.88	8.28	32.47	98.7	8.18	4.5	6.1
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10A(N)	16:49	1.0	Surface	1	1	15.44	8.24	32.65	95.7	7.83	4.8	5.9
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10A(N)	16:49	1.0	Surface	1	2	15.44	8.24	32.65	97.8	8.00	4.9	5.9
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10A(N)	16:48	7.0	Middle	2	1	15.44	8.25	32.65	98.4	8.05	5.3	6.9
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10A(N)	16:49	7.0	Middle	2	2	15.44	8.24	32.65	96.2	7.87	5.1	6.7
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10A(N)	16:48	12.9	Bottom	3	1	15.44	8.25	32.65	99.6	8.15	5.4	7.4
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10A(N)	16:49	12.9	Bottom	3	2	15.44	8.24	32.65	96.6	7.90	5.3	7.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10B(N2)	17:00	1.0	Surface	1	1	15.44	8.23	32.65	94.3	7.72	5.2	6.1
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10B(N2)	17:01	1.0	Surface	1	2	15.44	8.23	32.65	93.9	7.68	5.3	5.5
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10B(N2)	17:01	3.9	Middle	2	1	15.44	8.23	32.65	93.8	7.68	5.4	7.8
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10B(N2)	17:00	3.9	Middle	2	2	15.44	8.23	32.65	94.4	7.72	5.4	7.5
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10B(N2)	17:00	6.8	Bottom	3	1	15.44	8.24	32.65	94.6	7.74	5.7	8.0
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	SR10B(N2)	17:01	6.8	Bottom	3	2	15.44	8.23	32.65	94.1	7.70	5.6	9.5
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS2(A)	15:01	1.0	Surface	1	1	14.63	8.24	32.81	104.9	8.71	11.1	15.1
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS2(A)	15:01	1.0	Surface	1	2	14.63	8.25	32.81	105.7	8.78	11.2	14.7
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS2(A)	15:01	4.0	Middle	2	1	14.63	8.24	32.82	104.4	8.67	11.3	14.3
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS2(A)	15:01	4.0	Middle	2	2	14.62	8.24	32.82	103.6	8.61	11.4	14.6
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS2(A)	15:00	6.9	Bottom	3	1	14.61	8.23	32.82	102.7	8.53	11.6	17.5
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS2(A)	15:01	6.9	Bottom	3	2	14.63	8.24	32.81	103.1	8.57	11.5	17.1
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS(Mf)5	16:31	1.0	Surface	1	1	15.48	8.21	28.21	98.0	8.22	3.3	5.4
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS(Mf)5	16:30	1.0	Surface	1	2	15.47	8.20	28.08	104.7	8.79	3.3	4.3
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS(Mf)5	16:31	5.9	Middle	2	1	15.48	8.20	28.39	96.6	8.10	4.2	3.7
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS(Mf)5	16:30	5.9	Middle	2	2	15.48	8.19	28.28	102.6	8.62	4.3	4.3
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS(Mf)5	16:30	10.8	Bottom	3	1	15.48	8.19	28.31	100.4	8.44	4.2	3.6
HKLR	HY/2011/03	2018-02-05	Mid-Ebb	Fine	CS(Mf)5	16:31	10.8	Bottom	3	2	15.48	8.20	28.44	96.1	8.07	4.3	4.7
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS5	11:28	1.0	Surface	1	1	13.53	8.15	27.99	99.1	8.67	4.1	5.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS5	11:27	1.0	Surface	1	2	13.53	8.15	27.96	100.4	8.79	4.1	4.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS5	11:27	4.3	Middle	2	1	13.52	8.15	27.99	99.9	8.75	4.2	5.3
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS5	11:28	4.3	Middle	2	2	13.52	8.15	28.02	98.2	8.59	4.1	5.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS5	11:27	7.5	Bottom	3	1	13.52	8.15	28.02	98.1	8.59	4.4	7.1
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS5	11:27	7.5	Bottom	3	2	13.52	8.15	27.99	99.7	8.72	4.2	7.2
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS(Mf)6	11:18	1.0	Surface	1	1	13.47	8.16	27.79	105.1	9.23	4.5	6.4
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS(Mf)6	11:18	1.0	Surface	1	2	13.45	8.15	27.72	108.7	9.56	4.7	7.1
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS(Mf)6	11:18	2.0	Bottom	3	1	13.45	8.15	27.76	104.5	9.17	4.5	5.7
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS(Mf)6	11:18	2.0	Bottom	3	2	13.40	8.15	27.66	106.6	9.36	4.6	6.1
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS7	11:10	1.0	Surface	1	1	13.46	8.15	27.70	106.2	9.33	5.0	7.0
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS7	11:10	1.0	Surface	1	2	13.45	8.14	27.62	109.6	9.64	5.2	7.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS7	11:09	2.3	Bottom	3	1	13.43	8.14	27.57	107.4	9.44	5.1	8.0
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS7	11:10	2.3	Bottom	3	2	13.46	8.14	27.67	105.2	9.24	5.1	9.7
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS8	10:39	1.0	Surface	1	1	14.19	8.06	27.54	107.9	9.34	8.5	27.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS8	10:40	1.0	Surface	1	2	14.19	8.07	27.62	102.1	8.84	8.8	28.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS8	10:39	3.0	Bottom	3	1	14.18	8.04	27.51	104.4	9.04	8.8	28.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS8	10:39	3.0	Bottom	3	2	14.18	8.07	27.62	100.4	8.69	8.9	28.6
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS(Mf)9	11:00	1.0	Surface	1	1	13.86	8.14	27.82	107.5	9.36	6.8	9.3
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS(Mf)9	11:00	1.0	Surface	1	2	13.85	8.14	27.86	110.6	9.64	6.8	10.2
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS(Mf)9	11:00	2.7	Bottom	3	1	13.82	8.15	27.78	106.1	9.23	6.9	12.1
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS(Mf)9	11:00	2.7	Bottom	3	2	13.87	8.14	27.88	104.2	9.07	6.9	11.4
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS10(N)	10:49	1.0	Surface	1	1	14.24	8.28	32.46	98.4	8.26	6.7	7.3
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS10(N)	10:49	1.0	Surface	1	2	14.24	8.28	32.46	98.1	8.23	6.9	7.5
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS10(N)	10:49	5.3	Middle	2	1	14.23	8.28	32.45	98.5	8.26	7.1	6.2
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS10(N)	10:49	5.3	Middle	2	2	14.23	8.28	32.45	98.1	8.23	7.3	6.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS10(N)	10:49	9.6	Bottom	3	1	14.24	8.28	32.44	98.2	8.24	7.5	10.3
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	IS10(N)	10:49	9.6	Bottom	3	2	14.22	8.28	32.44	98.5	8.27	7.4	11.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR3(N)	11:38	1.0	Surface	1	1	13.57	8.16	28.05	99.8	8.73	4.0	5.7
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR3(N)	11:38	1.0	Surface	1	2	13.58	8.15	28.03	101.3	8.85	4.0	6.7
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR3(N)	11:38	2.4	Bottom	3	1	13.57	8.15	28.03	102.1	8.92	3.9	7.0
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR3(N)	11:38	2.4	Bottom	3	2	13.56	8.15	28.06	100.3	8.77	4.0	8.7
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR4(N)	10:48	1.0	Surface	1	1	14.13	8.10	27.70	106.5	9.24	7.7	10.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR4(N)	10:48	1.0	Surface	1	2	14.13	8.10	27.79	101.9	8.82	7.6	10.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR4(N)	10:47	2.8	Bottom	3	1	14.09	8.09	27.67	104.2	9.03	7.5	9.6
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR4(N)	10:48	2.8	Bottom	3	2	14.13	8.10	27.78	100.2	8.68	7.4	10.0
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR5(N)	11:01	1.0	Surface	1	1	14.25	8.28	32.46	97.8	8.21	7.2	12.3
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR5(N)	11:02	1.0	Surface	1	2	14.25	8.28	32.43	97.6	8.19	7.3	11.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR5(N)	11:01	4.2	Middle	2	1	14.18	8.28	32.43	97.5	8.19	7.5	11.3
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR5(N)	11:01	4.2	Middle	2	2	14.20	8.28	32.44	97.8	8.21	7.5	12.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR5(N)	11:01	7.3	Bottom	3	1	14.23	8.28	32.42	97.8	8.21	7.9	11.7
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR5(N)	11:01	7.3	Bottom	3	2	14.20	8.28	32.39	97.5	8.19	7.8	11.0
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10A(N)	10:08	1.0	Surface	1	1	15.41	8.18	32.68	93.7	7.67	5.3	7.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10A(N)	10:08	1.0	Surface	1	2	15.41	8.18	32.68	93.5	7.65	5.4	9.4
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10A(N)	10:07	7	Middle	2	1	15.42	8.17	32.68	93.6	7.66	5.7	8.5
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10A(N)	10:08	7	Middle	2	2	15.41	8.18	32.68	93.4	7.65	5.6	7.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10A(N)	10:07	13	Bottom	3	1	15.42	8.17	32.68	93.7	7.67	5.9	8.7
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10A(N)	10:08	13	Bottom	3	2	15.41	8.18	32.68	93.4	7.65	5.8	7.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10B(N2)	9:56	1.0	Surface	1	1	15.43	8.15	32.69	94.3	7.71	5.3	6.6
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10B(N2)	9:56	1.0	Surface	1	2	15.43	8.14	32.69	95.2	7.79	5.4	5.5
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10B(N2)	9:55	4	Middle	2	1	15.43	8.13	32.69	95.5	7.82	5.5	11.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10B(N2)	9:56	4	Middle	2	2	15.43	8.15	32.69	94.4	7.73	5.5	11.1
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10B(N2)	9:55	6.9	Bottom	3	1	15.43	8.12	32.69	96.0	7.86	5.7	13.4
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	SR10B(N2)	9:56	6.9	Bottom	3	2	15.43	8.14	32.69	94.7	7.75	5.6	14.5

Water Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS2(A)	11:52	1.0	Surface	1	1	14.27	8.28	32.48	103.0	8.64	7.8	11.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS2(A)	11:53	1.0	Surface	1	2	14.25	8.28	32.46	103.9	8.72	7.9	10.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS2(A)	11:52	4.0	Middle	2	1	14.26	8.29	32.48	101.3	8.49	8.1	10.9
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS2(A)	11:52	4.0	Middle	2	2	14.25	8.28	32.48	102.1	8.56	8.2	10.5
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS2(A)	11:52	7.0	Bottom	3	1	14.26	8.28	32.44	100.6	8.44	8.5	11.4
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS2(A)	11:52	7.0	Bottom	3	2	14.25	8.29	32.47	100.2	8.41	8.4	12.2
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS(Mf)5	10:16	1.0	Surface	1	1	14.84	7.90	27.06	99.6	8.55	8.4	11.6
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS(Mf)5	10:17	1.0	Surface	1	2	14.84	7.99	27.17	95.0	8.14	8.7	10.1
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS(Mf)5	10:17	6.4	Middle	2	1	14.85	7.97	27.20	94.1	8.06	8.7	9.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS(Mf)5	10:16	6.4	Middle	2	2	14.84	7.84	26.97	97.0	8.32	8.5	10.4
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS(Mf)5	10:17	11.8	Bottom	3	1	14.85	7.95	27.21	94.0	8.05	8.6	9.8
HKLR	HY/2011/03	2018-02-05	Mid-Flood	Fine	CS(Mf)5	10:16	11.8	Bottom	3	2	14.84	7.84	26.79	96.5	8.27	8.8	10.6
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS5	17:16	1.0	Surface	1	1	13.93	8.25	27.81	106.3	9.24	3.4	8.9
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS5	17:16	1.0	Surface	1	2	13.92	8.26	27.77	105.8	9.19	3.4	9.2
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS5	17:15	4.1	Middle	2	1	13.93	8.26	27.89	105.7	9.19	3.6	10.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS5	17:16	4.1	Middle	2	2	13.93	8.25	27.92	106.1	9.21	3.6	9.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS5	17:15	7.1	Bottom	3	1	13.93	8.26	27.94	105.6	9.17	3.5	13.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS5	17:16	7.1	Bottom	3	2	13.93	8.26	27.90	105.5	9.16	3.5	12.1
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS(Mf)6	17:24	1.0	Surface	1	1	13.78	8.27	27.70	106.2	9.26	3.3	11.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS(Mf)6	17:23	1.0	Surface	1	2	13.78	8.27	27.63	106.4	9.29	3.2	11.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS(Mf)6	17:23	2.1	Bottom	3	1	13.76	8.27	27.62	105.5	9.21	3.2	10.9
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS(Mf)6	17:23	2.1	Bottom	3	2	13.79	8.27	27.70	106.0	9.24	3.3	10.1
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS7	17:31	1.0	Surface	1	1	13.95	8.33	27.58	113.0	9.83	4.9	10.6
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS7	17:32	1.0	Surface	1	2	13.95	8.34	27.64	115.4	10.04	4.7	10.8
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS7	17:32	2.1	Bottom	3	1	13.96	8.34	27.64	113.8	9.89	4.7	9.2
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS7	17:31	2.1	Bottom	3	2	13.88	8.33	27.56	109.5	9.54	4.8	9.8
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS8	17:58	1.0	Surface	1	1	14.17	8.29	27.78	104.0	8.98	6.3	13.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS8	17:58	1.0	Surface	1	2	14.30	8.28	27.74	104.3	8.94	6.2	14.6
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS8	17:58	2.9	Bottom	3	1	14.59	8.26	27.93	103.0	8.89	6.2	19.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS8	17:58	2.9	Bottom	3	2	14.33	8.28	27.92	103.8	8.96	6.1	17.5
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS(Mf)9	17:40	1.0	Surface	1	1	14.13	8.31	27.75	108.0	9.35	5.4	10.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS(Mf)9	17:40	1.0	Surface	1	2	14.15	8.31	27.69	107.3	9.29	5.6	9.9
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS(Mf)9	17:40	2.6	Bottom	3	1	14.25	8.30	27.79	107.5	9.28	5.5	13.8
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS(Mf)9	17:40	2.6	Bottom	3	2	14.15	8.31	27.82	107.8	9.32	5.5	14.4
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS10(N)	17:53	1.0	Surface	1	1	15.06	8.26	32.64	95.8	7.90	4.3	12.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS10(N)	17:53	1.0	Surface	1	2	15.10	8.25	32.64	96.2	7.93	4.2	12.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS10(N)	17:53	5.4	Middle	2	1	15.08	8.26	32.64	96.2	7.93	4.4	13.4
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS10(N)	17:53	5.4	Middle	2	2	15.01	8.26	32.62	95.6	7.89	4.4	12.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS10(N)	17:53	9.7	Bottom	3	1	15.05	8.26	32.61	95.7	7.89	4.5	12.8
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	IS10(N)	17:53	9.7	Bottom	3	2	15.10	8.26	32.63	96.5	7.95	4.6	11.9
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR3(N)	17:08	1.0	Surface	1	1	14.01	8.29	26.94	107.8	9.41	3.8	7.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR3(N)	17:08	1.0	Surface	1	2	14.00	8.29	26.76	107.2	9.36	3.8	9.4
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR3(N)	17:08	2.3	Bottom	3	1	14.02	8.29	26.61	105.7	9.24	3.9	12.9
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR3(N)	17:08	2.3	Bottom	3	2	14.00	8.29	26.85	107.6	9.40	3.8	11.2
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR4(N)	17:51	1.0	Surface	1	1	14.61	8.25	27.78	102.5	8.74	4.8	10.8
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR4(N)	17:51	1.0	Surface	1	2	14.74	8.24	27.74	105.3	8.98	4.7	10.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR4(N)	17:51	2.7	Bottom	3	1	14.85	8.24	27.82	102.7	8.78	4.8	13.5
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR4(N)	17:51	2.7	Bottom	3	2	14.81	8.24	27.88	101.9	8.73	4.8	12.3
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR5(N)	17:40	1.0	Surface	1	1	15.11	8.26	32.64	98.0	8.07	4.2	11.6
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR5(N)	17:40	1.0	Surface	1	2	15.13	8.27	32.65	100.3	8.26	4.1	11.2
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR5(N)	17:40	4.2	Middle	2	1	15.11	8.26	32.64	98.3	8.10	4.3	10.3
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR5(N)	17:40	4.2	Middle	2	2	15.12	8.27	32.65	101.4	8.35	4.2	10.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR5(N)	17:40	7.4	Bottom	3	1	15.12	8.28	32.64	102.4	8.44	4.4	11.6
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR5(N)	17:40	7.4	Bottom	3	2	15.12	8.26	32.64	98.9	8.14	4.5	10.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10A(N)	18:38	1.0	Surface	1	1	15.46	8.24	32.74	93.9	7.68	3.2	8.5
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10A(N)	18:39	1.0	Surface	1	2	15.46	8.24	32.74	93.4	7.63	3.1	7.2
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10A(N)	18:38	7.0	Middle	2	1	15.46	8.24	32.74	93.3	7.62	3.3	9.4
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10A(N)	18:38	7.0	Middle	2	2	15.46	8.24	32.74	94.0	7.68	3.3	8.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10A(N)	18:38	13.0	Bottom	3	1	15.46	8.24	32.74	93.4	7.63	3.4	9.9
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10A(N)	18:37	13.0	Bottom	3	2	15.46	8.24	32.74	94.2	7.70	3.5	8.9
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10B(N2)	18:48	1.0	Surface	1	1	15.46	8.24	32.74	93.0	7.60	3.2	7.5
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10B(N2)	18:48	1.0	Surface	1	2	15.46	8.24	32.74	93.0	7.61	3.3	6.8
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10B(N2)	18:47	3.9	Middle	2	1	15.46	8.24	32.74	92.9	7.60	3.6	12.8
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10B(N2)	18:48	3.9	Middle	2	2	15.46	8.24	32.74	92.9	7.59	3.5	12.6
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10B(N2)	18:47	6.7	Bottom	3	1	15.46	8.24	32.74	93.1	7.61	3.8	11.4
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	SR10B(N2)	18:48	6.7	Bottom	3	2	15.46	8.24	32.74	92.8	7.59	3.7	11.6
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS2(A)	16:50	1.0	Surface	1	1	14.26	8.27	32.72	104.5	8.75	7.3	8.3
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS2(A)	16:50	1.0	Surface	1	2	14.26	8.26	32.71	105.3	8.82	7.2	9.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS2(A)	16:50	4.0	Middle	2	1	14.26	8.26	32.71	104.6	8.76	7.4	12.2
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS2(A)	16:50	4.0	Middle	2	2	14.26	8.25	32.71	105.5	8.84	7.3	11.3
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS2(A)	16:50	6.9	Bottom	3	1	14.26	8.26	32.71	104.9	8.78	7.5	14.0
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS2(A)	16:50	6.9	Bottom	3	2	14.26	8.23	32.71	105.8	8.86	7.4	15.9
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS(Mf)5	18:23	1.0	Surface	1	1	15.46	8.20	28.28	101.2	8.49	3.0	6.8
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS(Mf)5	18:23	1.0	Surface	1	2	15.46	8.20	28.29	96.8	8.12	3.0	6.2
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS(Mf)5	18:22	6.1	Middle	2	1	15.47	8.20	28.42	99.5	8.35	3.2	6.7
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS(Mf)5	18:23	6.1	Middle	2	2	15.48	8.20	28.46	95.8	8.04	3.4	7.1
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS(Mf)5	18:22	11.2	Bottom	3	1	15.47	8.20	28.46	98.5	8.27	3.3	9.6
HKLR	HY/2011/03	2018-02-07	Mid-Ebb	Cloudy	CS(Mf)5	18:23	11.2	Bottom	3	2	15.47	8.20	28.48	95.2	8.00	3.3	10.3
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS5	12:31	1.0	Surface	1	1	13.74	8.18	28.45	105.2	9.14	3.4	8.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS5	12:31	1.0	Surface	1	2	13.73	8.18	28.44	103.7	9.02	3.5	9.7
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS5	12:31	4.2	Middle	2	1	13.71	8.18	28.54	102.8	8.94	3.5	8.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS5	12:31	4.2	Middle	2	2	13.68	8.17	28.60	104.8	9.10	3.3	10.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS5	12:31	7.3	Bottom	3	1	13.70	8.17	28.61	104.3	9.07	3.7	10.8
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS5	12:31	7.3	Bottom	3	2	13.70	8.18	28.57	102.5	8.91	3.8	10.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS(Mf)6	12:23	1.0	Surface	1	1	13.68	8.20	28.35	108.5	9.45	4.4	9.6
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS(Mf)6	12:23	1.0	Surface	1	2	13.69	8.21	28.33	105.5	9.19	4.3	9.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS(Mf)6	12:23	2.1	Bottom	3	1	13.69	8.21	28.36	106.3	9.25	4.4	14.6
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS(Mf)6	12:22	2.1	Bottom	3	2	13.68	8.21	28.35	104.1	9.06	4.2	12.7
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS7	12:14	1.0	Surface	1	1	13.70	8.19	28.38	105.6	9.19	4.3	10.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS7	12:14	1.0	Surface	1	2	13.70	8.18	28.39	107.5	9.35	4.4	8.6
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS7	12:14	2.1	Bottom	3	1	13.67	8.19	28.42	104.0	9.05	4.5	13.4
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS7	12:14	2.1	Bottom	3	2	13.70	8.18	28.42	106.5	9.27	4.6	13.7
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS8	11:42	1.0	Surface	1	1	14.65	8.11	28.35	100.4	8.57	4.8	9.7
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS8	11:41	1.0	Surface	1	2	14.65	8.11	28.30	104.4	8.92	4.8	10.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS8	11:42	3.1	Bottom	3	1	14.65	8.11	28.40	99.6	8.50	4.7	16.0
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS8	11:41	3.1	Bottom	3	2	14.62	8.12	28.32	101.8	8.69	4.8	17.1
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS(Mf)9	12:04	1.0	Surface	1	1	14.13	8.15	28.32	103.0	8.88	12.9	22.1
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS(Mf)9	12:04	1.0	Surface	1	2	14.08	8.15	28.35	102.6	8.86	13.5	22.1
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS(Mf)9	12:03	2.6	Bottom	3	1	14.08	8.15	28.33	103.3	8.92	13.5	25.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS(Mf)9	12:04	2.6	Bottom	3	2	14.12	8.15	28.42	103.0	8.88	13.2	24.8
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS10(N)	11:20	1.0	Surface	1	1	14.51	8.33	32.46	100.1	8.35	10.2	15.4
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS10(N)	11:20	1.0	Surface	1	2	14.52	8.32	32.46	99.5	8.30	10.1	14.1
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS10(N)	11:20	5.5	Middle	2	1	14.51	8.34	32.45	100.2	8.36	10.3	15.5
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS10(N)	11:20	5.5	Middle	2	2	14.52	8.33	32.46	99.6	8.31	10.3	15.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS10(N)	11:20	10.0	Bottom	3	1	14.52	8.33	32.46	99.8	8.33	10.5	18.4
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	IS10(N)	11:20	10.0	Bottom	3	2	14.51	8.35	32.46	100.6	8.39	10.5	16.8
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR3(N)	12:39	1.0	Surface	1	1	13.71	8.18	28.41	103.5	9.00	5.1	10.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR3(N)	12:40	1.0	Surface	1	2	13.71	8.17	28.45	103.9	9.03	5.1	9.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR3(N)	12:39	2.3	Bottom	3	1	13.66	8.20	28.44	102.8	8.95	5.1	12.0
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR3(N)	12:40	2.3	Bottom	3	2	13.71	8.18	28.48	103.7	9.02	5.2	13.3
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR4(N)	11:51	1.0	Surface	1	1	14.70	8.11	28.43	99.2	8.45	8.3	16.0
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR4(N)	11:51	1.0	Surface	1	2	14.69	8.11	28.41	101.3	8.63	8.0	16.7
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR4(N)	11:50	2.5	Bottom	3	1	14.68	8.11	28.45	100.1	8.53	8.3	17.1
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR4(N)	11:51	2.5	Bottom	3	2	14.69	8.11	28.46	98.4	8.39	8.1	15.6
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR5(N)	11:33	1.0	Surface	1	1	14.53	8.31	32.41	98.8	8.25	10.3	17.4
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR5(N)	11:33	1.0	Surface	1	2	14.53	8.31	32.47	98.7	8.23	10.3	16.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR5(N)	11:33	4.3	Middle	2	1	14.54	8.31	32.46	98.6	8.23	10.5	17.4
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR5(N)	11:33	4.3	Middle	2	2	14.55	8.31	32.46	98.8	8.24	10.4	16.4
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR5(N)	11:33	7.5	Bottom	3	1	14.53	8.32	32.49	99.1	8.26	10.7	17.6
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR5(N)	11:33	7.5	Bottom	3	2	14.53	8.31	32.47	98.8	8.24	10.6	19.3
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10A(N)	10:37	1.0	Surface	1	1	15.45	8.21	32.72	97.2	7.95	3.4	7.0
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10A(N)	10:38	1.0	Surface	1	2	15.44	8.22	32.72	95.3	7.79	3.3	7.5
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10A(N)	10:37	7.1	Middle	2	1	15.44	8.21	32.71	97.8	7.99	3.6	9.3
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10A(N)	10:38	7.1	Middle	2	2	15.44	8.21	32.71	95.5	7.81	3.5	10.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10A(N)	10:37	13.2	Bottom	3	1	15.44	8.21	32.71	96.1	7.86	3.7	12.9
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10A(N)	10:37	13.2	Bottom	3	2	15.43	8.20	32.72	98.9	8.09	3.8	12.1
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10B(N2)	10:26	1.0	Surface	1	1	15.43	8.18	32.72	99.4	8.13	4.3	5.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10B(N2)	10:26	1.0	Surface	1	2	15.44	8.19	32.72	97.8	8.00	4.4	5.3
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10B(N2)	10:26	3.9	Middle	2	1	15.43	8.17	32.72	99.9	8.18	4.6	5.3
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10B(N2)	10:26	3.9	Middle	2	2	15.44	8.18	32.71	98.1	8.02	4.6	6.1
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10B(N2)	10:26	6.8	Bottom	3	1	15.44	8.18	32.71	98.5	8.06	4.9	6.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	SR10B(N2)	10:26	6.8	Bottom	3	2	15.42	8.17	32.73	101.0	8.26	4.9	6.6
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS2(A)	12:22	1.0	Surface	1	1	14.23	8.30	32.74	102.2	8.57	8.3	9.4
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS2(A)	12:22	1.0	Surface	1	2	14.24	8.32	32.74	102.1	8.55	8.4	11.0
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS2(A)	12:22	4.0	Middle	2	1	14.21	8.31	32.74	102.1	8.56	8.6	10.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS2(A)	12:22	4.0	Middle	2	2	14.22	8.32	32.75	102.0	8.55	8.5	11.5
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS2(A)	12:22	6.9	Bottom	3	1	14.22	8.33	32.74	101.9	8.54	8.7	11.7
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS2(A)	12:22	6.9	Bottom	3	2	14.23	8.31	32.73	102.1	8.56	8.8	12.3
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS(Mf)5	11:18	1.0	Surface	1	1	15.31	8.01	28.34	94.5	7.96	4.1	7.5
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS(Mf)5	11:17	1.0	Surface	1	2	15.31	7.98	28.17	97.9	8.24	4.0	8.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS(Mf)5	11:17	6.3	Middle	2	1	15.31	7.96	28.36	95.7	8.06	5.2	8.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS(Mf)5	11:18	6.3	Middle	2	2	15.31	8.00	28.29	93.9	7.91	5.2	9.0
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS(Mf)5	11:18	11.5	Bottom	3	1	15.31	7.99	28.35	93.8	7.91	5.2	11.2
HKLR	HY/2011/03	2018-02-07	Mid-Flood	Cloudy	CS(Mf)5	11:17	11.5	Bottom	3	2	15.31	7.95	28.43	95.3	8.04	5.4	12.5
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS5	8:38	1.0	Surface	1	1	14.17	8.16	28.21	108.4	9.35	3.1	7.3
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS5	8:37	1.0	Surface	1	2	14.18	8.16	28.21	106.5	9.19	3.0	7.3
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS5	8:37	4.0	Middle	2	1	14.17	8.15	28.33	105.3	9.07	3.1	9.3
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS5	8:38	4.0	Middle	2	2	14.16	8.15	28.37	107.5	9.27	3.1	9.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS5	8:38	7.0	Bottom	3	1	14.18	8.15	28.43	107.4	9.25	2.9	8.1
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS5	8:37	7.0	Bottom	3	2	14.17	8.14	28.36	103.4	8.91	2.8	8.7
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS(Mf)6	8:30	1.0	Surface	1	1	13.99	8.16	28.08	107.7	9.33	3.8	8.8
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS(Mf)6	8:30	1.0	Surface	1	2	13.99	8.16	28.07	105.9	9.18	3.8	7.8
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS(Mf)6	8:30	2.0	Bottom	3	1	13.99	8.16	28.12	106.7	9.24	3.8	13.3
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS(Mf)6	8:30	2.0	Bottom	3	2	13.98	8.16	28.09	103.6	8.98	3.6	13.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS7	8:21	1.0	Surface	1	1	14.04	8.13	28.10	103.4	8.95	3.7	6.6
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS7	8:21	1.0	Surface	1	2	14.04	8.13	28.11	104.9	9.08	3.8	5.8
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS7	8:21	2.1	Bottom	3	1	14.04	8.13	28.14	104.3	9.02	3.7	12.1
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS7	8:21	2.1	Bottom	3	2	14.02	8.13	28.15	102.3	8.86	3.7	13.2
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS8	7:55	1.0	Surface	1	1	14.94	8.04	28.05	100.0	8.50	7.2	11.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS8	7:55	1.0	Surface	1	2	14.95	8.02	28.02	101.6	8.64	7.3	12.1
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS8	7:55	2.8	Bottom	3	1	14.93	8.03	28.13	100.6	8.55	7.1	17.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS8	7:54	2.8	Bottom	3	2	15.00	8.01	28.10	102.6	8.70	7.5	16.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS(Mf)9	8:13	1.0	Surface	1	1	14.21	8.15	28.07	109.5	9.45	3.9	10.8
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS(Mf)9	8:12	1.0	Surface	1	2	14.23	8.15	28.05	107.0	9.22	3.9	10.2
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS(Mf)9	8:12	2.6	Bottom	3	1	14.23	8.14	28.12	104.7	9.03	3.9	12.6
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS(Mf)9	8:12	2.6	Bottom	3	2	14.23	8.15	28.14	108.6	9.36	4.0	11.2
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS10(N)	7:57	1.0	Surface	1	1	14.87	8.51	32.64	98.5	8.16	4.2	6.3
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS10(N)	7:56	1.0	Surface	1	2	14.86	8.51	32.64	98.8	8.17	4.4	6.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS10(N)	7:57	5.3	Middle	2	1	14.87	8.51	32.64	99.3	8.22	4.6	7.9
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS10(N)	7:56	5.3	Middle	2	2	14.86	8.51	32.64	99.1	8.20	4.5	8.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS10(N)	7:55	9.6	Bottom	3	1	14.83	8.52	32.64	99.8	8.27	4.7	8.5
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	IS10(N)	7:57	9.6	Bottom	3	2	14.83	8.52	32.64	99.6	8.26	4.8	7.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR3(N)	8:47	1.0	Surface	1	1	14.18	8.18	28.24	107.3	9.26	3.6	5.2
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR3(N)	8:47	1.0	Surface	1	2	14.18	8.18	28.26	104.7	9.03	3.4	3.5
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR3(N)	8:47	2.2	Bottom	3	1	14.16	8.18	28.30	103.1	8.89	3.3	8.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR3(N)	8:47	2.2	Bottom	3	2	14.18	8.18	28.28	106.1	9.14	3.3	7.7
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR4(N)	8:01	1.0	Surface	1	1	14.73	8.02	27.82	99.9	8.54	3.4	6.6
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR4(N)	8:01	1.0	Surface	1	2	14.73	8.03	27.80	100.9	8.63	3.4	6.6
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR4(N)	8:01	2.6	Bottom	3	1	14.74	8.03	27.92	101.8	8.69	3.6	5.2
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR4(N)	8:01	2.6	Bottom	3	2	14.76	8.02	27.95	100.7	8.60	3.5	6.3
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR5(N)	8:08	1.0	Surface	1	1	14.97	8.48	32.65	97.6	8.07	3.8	7.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR5(N)	8:07	1.0	Surface	1	2	14.97	8.49	32.65	97.8	8.08	4.0	7.9
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR5(N)	8:07	4.1	Middle	2	1	14.97	8.48	32.65	98.0	8.10	4.3	8.7
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR5(N)	8:06	4.1	Middle	2	2	14.97	8.49	32.65	98.3	8.12	4.2	9.3
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR5(N)	8:07	7.2	Bottom	3	1	14.97	8.49	32.65	99.2	8.19	4.8	9.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR5(N)	8:06	7.2	Bottom	3	2	14.97	8.49	32.66	99.4	8.21	4.6	9.4
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10A(N)	6:58	1.0	Surface	1	1	15.43	8.41	32.76	93.6	7.65	1.9	3.1
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10A(N)	6:59	1.0	Surface	1	2	15.44	8.41	32.76	93.2	7.61	2.1	4.8
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10A(N)	6:58	6.9	Middle	2	1	15.44	8.40	32.76	94.3	7.71	2.9	7.5
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10A(N)	6:59	6.9	Middle	2	2	15.44	8.41	32.76	93.9	7.69	2.7	7.3
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10A(N)	6:58	12.8	Bottom	3	1	15.43	8.40	32.76	94.9	7.76	2.9	6.8
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10A(N)	6:59	12.8	Bottom	3	2	15.44	8.41	32.76	94.7	7.75	3.1	6.5
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10B(N2)	6:50	1.0	Surface	1	1	15.43	8.33	32.76	93.3	7.63	3.6	3.7
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10B(N2)	6:49	1.0	Surface	1	2	15.43	8.31	32.77	93.6	7.65	3.7	4.8
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10B(N2)	6:49	3.7	Middle	2	1	15.43	8.31	32.75	94.0	7.69	3.3	7.2
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10B(N2)	6:50	3.7	Middle	2	2	15.43	8.32	32.77	93.8	7.67	3.1	7.8
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10B(N2)	6:49	6.4	Bottom	3	1	15.43	8.31	32.75	94.8	7.75	4.1	7.1
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	SR10B(N2)	6:50	6.4	Bottom	3	2	15.43	8.31	32.77	94.5	7.73	4.2	7.2
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS2(A)	9:03	1.0	Surface	1	1	14.37	8.52	32.82	102.6	8.57	3.7	5.7
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS2(A)	9:02	1.0	Surface	1	2	14.37	8.53	32.82	102.5	8.56	3.6	6.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS2(A)	9:03	3.9	Middle	2	1	14.37	8.52	32.82	102.3	8.54	4.2	5.5
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS2(A)	9:02	3.9	Middle	2	2	14.37	8.53	32.82	102.4	8.55	4.3	5.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS2(A)	9:02	6.8	Bottom	3	1	14.38	8.52	32.82	102.2	8.54	4.8	5.7
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS2(A)	9:01	6.8	Bottom	3	2	14.38	8.54	32.82	102.2	8.53	4.7	5.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS(Mf)5	7:28	1.0	Surface	1	1	15.44	7.89	27.97	95.6	8.03	1.9	5.0
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS(Mf)5	7:30	1.0	Surface	1	2	15.44	7.93	27.93	92.6	7.80	1.8	3.9
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS(Mf)5	7:29	6.2	Middle	2	1	15.45	7.92	28.08	92.3	7.76	1.8	6.4
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS(Mf)5	7:28	6.2	Middle	2	2	15.44	7.87	28.15	94.5	7.95	1.9	5.5
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS(Mf)5	7:29	11.4	Bottom	3	1	15.45	7.91	28.16	91.9	7.74	1.8	8.1
HKLR	HY/2011/03	2018-02-09	Mid-Ebb	Cloudy	CS(Mf)5	7:28	11.4	Bottom	3	2	15.45	7.85	28.23	93.9	7.91	1.9	9.4
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS5	12:12	1.0	Surface	1	1	14.39	8.21	28.17	112.0	9.62	3.5	5.0
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS5	12:11	1.0	Surface	1	2	14.39	8.23	28.16	109.1	9.38	3.5	5.9
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS5	12:11	4.3	Middle	2	1	14.33	8.23	28.31	108.0	9.28	3.4	4.4
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS5	12:12	4.3	Middle	2	2	14.32	8.22	28.32	110.5	9.49	3.4	5.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS5	12:12	7.5	Bottom	3	1	14.27	8.22	28.38	105.0	9.02	3.5	4.7
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS5	12:11	7.5	Bottom	3	2	14.27	8.24	28.37	101.9	8.76	3.5	5.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS(Mf)6	12:39	1.0	Surface	1	1	14.32	8.24	28.25	112.7	9.69	3.7	8.1
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS(Mf)6	12:38	1.0	Surface	1	2	14.33	8.25	28.25	110.7	9.51	3.9	7.0
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS(Mf)6	12:38	2.1	Bottom	3	1	14.34	8.25	28.26	104.5	8.98	3.8	9.9
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS(Mf)6	12:39	2.1	Bottom	3	2	14.33	8.24	28.27	108.2	9.30	3.9	8.4
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS7	12:48	1.0	Surface	1	1	14.52	8.28	28.24	114.6	9.81	5.4	8.5
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS7	12:48	1.0	Surface	1	2	14.52	8.28	28.24	112.6	9.65	5.4	8.7
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS7	12:48	2.1	Bottom	3	1	14.50	8.28	28.26	109.4	9.37	5.6	10.6
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS7	12:47	2.1	Bottom	3	2	14.51	8.29	28.25	105.4	9.03	5.3	10.3
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS8	13:17	1.0	Surface	1	1	15.21	8.14	28.38	98.6	8.32	8.9	11.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS8	13:17	1.0	Surface	1	2	15.20	8.14	28.41	97.9	8.26	8.8	12.3
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS8	13:17	3.2	Bottom	3	1	15.17	8.14	28.46	98.3	8.30	8.9	14.7
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS8	13:17	3.2	Bottom	3	2	15.15	8.14	28.45	99.4	8.39	8.9	15.2
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS(Mf)9	12:57	1.0	Surface	1	1	14.30	8.27	28.35	113.4	9.75	4.4	12.4
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS(Mf)9	12:56	1.0	Surface	1	2	14.30	8.27	28.41	109.4	9.40	4.3	11.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS(Mf)9	12:57	2.8	Bottom	3	1	14.31	8.27	28.42	111.4	9.57	4.2	12.9
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS(Mf)9	12:56	2.8	Bottom	3	2	14.28	8.27	28.46	106.6	9.16	4.2	14.3
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS10(N)	13:24	1.0	Surface	1	1	15.04	8.52	32.61	98.7	8.14	5.0	11.9
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS10(N)	13:25	1.0	Surface	1	2	15.02	8.52	32.61	98.4	8.12	5.1	12.1
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS10(N)	13:25	5.2	Middle	2	1	14.98	8.52	32.60	98.8	8.17	5.5	12.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS10(N)	13:24	5.2	Middle	2	2	15.00	8.53	32.61	98.7	8.15	5.5	12.7
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS10(N)	13:25	9.4	Bottom	3	1	14.97	8.52	32.60	99.3	8.20	5.8	13.9
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	IS10(N)	13:24	9.4	Bottom	3	2	14.96	8.54	32.61	99.1	8.19	5.7	12.1
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR3(N)	12:03	1.0	Surface	1	1	14.33	8.19	27.55	111.0	9.58	3.4	11.9
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR3(N)	12:03	1.0	Surface	1	2	14.34	8.21	27.47	108.2	9.34	3.4	11.7
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR3(N)	12:03	2.4	Bottom	3	1	14.33	8.20	27.53	106.3	9.18	3.4	11.6
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR3(N)	12:03	2.4	Bottom	3	2	14.36	8.21	27.39	100.8	8.71	3.3	11.3
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR4(N)	13:08	1.0	Surface	1	1	15.34	8.14	28.45	99.1	8.34	4.5	7.5
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR4(N)	13:09	1.0	Surface	1	2	15.28	8.14	28.49	98.9	8.32	4.6	8.1
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR4(N)	13:08	2.6	Bottom	3	1	15.20	8.15	28.51	98.9	8.34	4.5	7.9
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR4(N)	13:09	2.6	Bottom	3	2	15.23	8.14	28.53	98.6	8.31	4.5	8.9
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR5(N)	13:15	1.0	Surface	1	1	14.85	8.55	32.58	99.9	8.27	5.6	5.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR5(N)	13:16	1.0	Surface	1	2	14.84	8.55	32.58	99.8	8.26	5.4	7.3
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR5(N)	13:16	4.0	Middle	2	1	14.83	8.55	32.58	99.5	8.25	5.7	7.0
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR5(N)	13:15	4.0	Middle	2	2	14.84	8.56	32.58	99.5	8.24	5.8	8.0
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR5(N)	13:14	7.0	Bottom	3	1	14.79	8.57	32.58	98.8	8.19	6.2	9.4
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR5(N)	13:16	7.0	Bottom	3	2	14.80	8.55	32.58	98.9	8.19	6.1	10.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10A(N)	14:30	1.0	Surface	1	1	15.49	8.46	32.73	93.3	7.62	3.0	7.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10A(N)	14:29	1.0	Surface	1	2	15.49	8.47	32.73	93.6	7.65	2.8	7.4
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10A(N)	14:30	7	Middle	2	1	15.48	8.46	32.73	94.0	7.69	3.0	6.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10A(N)	14:29	7	Middle	2	2	15.48	8.47	32.73	94.4	7.71	2.9	7.3
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10A(N)	14:28	13	Bottom	3	1	15.48	8.48	32.73	95.8	7.83	3.2	11.7
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10A(N)	14:29	13	Bottom	3	2	15.48	8.46	32.73	95.6	7.81	3.2	12.5
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10B(N2)	14:38	1.0	Surface	1	1	15.43	8.45	32.70	94.5	7.73	2.9	8.3
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10B(N2)	14:37	1.0	Surface	1	2	15.43	8.46	32.70	94.8	7.76	2.8	7.2
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10B(N2)	14:37	3.8	Middle	2	1	15.42	8.45	32.70	95.6	7.82	3.5	7.0
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10B(N2)	14:36	3.8	Middle	2	2	15.43	8.46	32.70	95.8	7.84	3.3	7.2
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10B(N2)	14:36	6.6	Bottom	3	1	15.43	8.47	32.71	97.5	7.98	3.5	12.2
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	SR10B(N2)	14:37	6.6	Bottom	3	2	15.42	8.45	32.70	97.0	7.94	3.8	14.1
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS2(A)	12:18	1.0	Surface	1	1	14.67	8.55	32.68	105.6	8.75	5.7	6.7
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS2(A)	12:17	1.0	Surface	1	2	14.64	8.56	32.70	105.3	8.75	5.8	8.5
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS2(A)	12:18	3.8	Middle	2	1	14.46	8.55	32.73	104.2	8.69	6.2	9.6
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS2(A)	12:17	3.8	Middle	2	2	14.46	8.56	32.74	103.9	8.66	6.1	10.0
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS2(A)	12:17	6.6	Bottom	3	1	14.45	8.55	32.73	104.0	8.67	6.5	13.0
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS2(A)	12:16	6.6	Bottom	3	2	14.45	8.56	32.71	103.6	8.65	6.6	13.1
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS(Mf)5	13:43	1.0	Surface	1	1	15.57	8.11	28.55	96.8	8.11	1.5	8.7
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS(Mf)5	13:43	1.0	Surface	1	2	15.53	8.10	28.66	94.5	7.91	1.5	7.4
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS(Mf)5	13:42	6.3	Middle	2	1	15.47	8.10	28.73	95.5	8.00	1.6	7.6
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS(Mf)5	13:43	6.3	Middle	2	2	15.47	8.10	28.79	93.8	7.86	1.5	8.6
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS(Mf)5	13:43	11.6	Bottom	3	1	15.49	8.10	28.83	93.6	7.83	1.5	9.8
HKLR	HY/2011/03	2018-02-09	Mid-Flood	Cloudy	CS(Mf)5	13:42	11.6	Bottom	3	2	15.47	8.11	28.84	95.3	7.97	1.6	11.3
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS5	11:38	1.0	Surface	1	1	15.35	8.19	28.26	120.7	10.16	3.2	5.9
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS5	11:37	1.0	Surface	1	2	15.34	8.19	28.27	120.3	10.13	3.2	6.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS5	11:37	4.2	Middle	2	1	15.32	8.19	28.31	120.0	10.10	3.2	6.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS5	11:37	4.2	Middle	2	2	15.32	8.19	28.31	120.2	10.12	3.3	5.9
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS5	11:37	7.3	Bottom	3	1	15.34	8.19	28.29	120.7	10.16	3.1	5.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS5	11:37	7.3	Bottom	3	2	15.32	8.19	28.31	120.1	10.11	3.2	5.5
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS(Mf)6	11:29	1.0	Surface	1	1	15.46	8.20	28.26	120.1	10.09	3.4	4.5
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS(Mf)6	11:29	1.0	Surface	1	2	15.46	8.20	28.26	120.6	10.13	3.3	4.5
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS(Mf)6	11:29	2.6	Bottom	3	1	15.48	8.20	28.26	119.8	10.06	3.4	6.5
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS(Mf)6	11:29	2.6	Bottom	3	2	15.45	8.20	28.27	120.3	10.10	3.3	6.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS7	11:22	1.0	Surface	1	1	15.46	8.20	28.29	120.3	10.10	4.3	6.3
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS7	11:22	1.0	Surface	1	2	15.52	8.20	28.24	121.0	10.15	4.2	6.6
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS7	11:22	2.6	Bottom	3	1	15.59	8.20	28.24	120.6	10.11	4.4	15.8
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS7	11:22	2.6	Bottom	3	2	15.52	8.20	28.21	119.9	10.06	4.5	15.5
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS8	10:55	1.0	Surface	1	1	15.42	8.08	28.02	105.8	8.91	4.0	7.4
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS8	10:55	1.0	Surface	1	2	15.42	8.08	27.99	106.1	8.94	4.0	6.0
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS8	10:55	2.8	Bottom	3	1	15.42	8.08	28.01	106.1	8.94	4.0	7.6
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS8	10:55	2.8	Bottom	3	2	15.42	8.08	27.99	106.4	8.96	4.1	7.4
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS(Mf)9	11:14	1.0	Surface	1	1	15.57	8.13	28.15	111.5	9.35	3.5	5.5
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS(Mf)9	11:14	1.0	Surface	1	2	15.55	8.13	28.18	111.3	9.34	3.6	6.4
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS(Mf)9	11:13	2.7	Bottom	3	1	15.53	8.12	28.20	112.0	9.40	3.8	9.0
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS(Mf)9	11:14	2.7	Bottom	3	2	15.56	8.13	28.17	111.5	9.36	3.7	9.5
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS10(N)	11:10	1.0	Surface	1	1	15.41	8.24	32.06	103.6	8.51	4.8	5.7
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS10(N)	11:09	1.0	Surface	1	2	15.42	8.24	32.05	104.0	8.54	4.5	6.7
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS10(N)	11:09	5.4	Middle	2	1	15.41	8.24	32.08	104.1	8.55	4.7	6.2
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS10(N)	11:10	5.4	Middle	2	2	15.41	8.24	32.08	103.5	8.51	4.9	5.2
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS10(N)	11:10	9.8	Bottom	3	1	15.42	8.24	32.08	104.0	8.54	5.1	6.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	IS10(N)	11:09	9.8	Bottom	3	2	15.42	8.24	32.08	104.5	8.59	5.2	5.8
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR3(N)	11:46	1.0	Surface	1	1	15.43	8.20	28.21	119.7	10.06	3.1	4.6
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR3(N)	11:46	1.0	Surface	1	2	15.39	8.20	28.22	120.3	10.12	3.1	3.5
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR3(N)	11:46	2.9	Bottom	3	1	15.43	8.20	28.21	120.0	10.09	3.1	4.9
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR3(N)	11:45	2.9	Bottom	3	2	15.44	8.20	28.20	119.2	10.02	3.1	5.9
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR4(N)	11:01	1.0	Surface	1	1	15.54	8.07	28.11	101.2	8.50	4.1	5.8
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR4(N)	11:01	1.0	Surface	1	2	15.54	8.07	28.10	101.4	8.52	4.1	6.9
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR4(N)	11:01	2.6	Bottom	3	1	15.54	8.07	28.10	101.7	8.54	4.1	7.7
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR4(N)	11:01	2.6	Bottom	3	2	15.54	8.07	28.11	101.3	8.51	4.0	6.8
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR5(N)	11:23	1.0	Surface	1	1	15.41	8.24	32.06	103.9	8.53	4.4	5.2
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR5(N)	11:23	1.0	Surface	1	2	15.42	8.24	32.06	103.6	8.51	4.3	5.6
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR5(N)	11:22	4.3	Middle	2	1	15.42	8.24	32.08	104.0	8.54	4.3	6.7
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR5(N)	11:23	4.3	Middle	2	2	15.41	8.24	32.07	103.4	8.50	4.3	7.8
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR5(N)	11:23	7.5	Bottom	3	1	15.41	8.24	32.07	103.5	8.51	4.5	6.0
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR5(N)	11:22	7.5	Bottom	3	2	15.43	8.24	32.06	104.4	8.57	4.4	6.4
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10A(N)	10:16	1.0	Surface	1	1	15.57	8.11	32.73	95.9	7.82	4.2	3.2
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10A(N)	10:15	1.0	Surface	1	2	15.59	8.10	32.73	96.2	7.85	4.1	4.7
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10A(N)	10:15	7.1	Middle	2	1	15.57	8.09	32.73	96.2	7.85	4.3	5.6
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10A(N)	10:15	7.1	Middle	2	2	15.56	8.11	32.73	95.8	7.81	4.4	5.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10A(N)	10:15	13.1	Bottom	3	1	15.58	8.09	32.73	96.2	7.85	4.5	6.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10A(N)	10:15	13.1	Bottom	3	2	15.57	8.10	32.73	95.9	7.83	4.6	5.0
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10B(N2)	10:03	1.0	Surface	1	1	15.57	8.05	32.74	97.5	7.96	4.4	8.0
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10B(N2)	10:04	1.0	Surface	1	2	15.57	8.07	32.73	96.7	7.89	4.7	9.6
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10B(N2)	10:03	3.9	Middle	2	1	15.56	8.07	32.74	96.7	7.89	4.8	8.8
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10B(N2)	10:03	3.9	Middle	2	2	15.56	8.04	32.74	97.8	7.98	4.7	8.4
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10B(N2)	10:03	6.8	Bottom	3	1	15.58	8.06	32.73	97.0	7.91	4.8	8.8
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	SR10B(N2)	10:03	6.8	Bottom	3	2	15.56	8.02	32.74	98.5	8.04	4.8	8.0
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS2(A)	12:17	1.0	Surface	1	1	15.15	8.26	32.31	106.3	8.77	4.4	6.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS2(A)	12:17	1.0	Surface	1	2	15.12	8.25	32.33	106.3	8.77	4.3	7.6
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS2(A)	12:17	4.0	Middle	2	1	15.07	8.27	32.38	105.6	8.72	4.4	9.8
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS2(A)	12:17	4.0	Middle	2	2	15.05	8.25	32.41	106.1	8.76	4.5	8.9
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS2(A)	12:17	6.9	Bottom	3	1	15.09	8.25	32.40	106.2	8.76	4.6	9.1
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS2(A)	12:17	6.9	Bottom	3	2	15.08	8.28	32.39	105.4	8.70	4.7	9.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS(Mf)5	10:31	1.0	Surface	1	1	15.65	7.96	28.32	95.8	8.01	1.8	5.0
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS(Mf)5	10:31	1.0	Surface	1	2	15.65	7.97	28.32	96.2	8.04	1.9	5.0
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS(Mf)5	10:31	6.2	Middle	2	1	15.62	7.96	28.39	95.6	8.00	1.9	7.4
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS(Mf)5	10:31	6.2	Middle	2	2	15.63	7.96	28.38	95.6	8.00	1.8	7.4
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS(Mf)5	10:31	11.4	Bottom	3	1	15.63	7.96	28.40	96.1	8.04	2.0	7.4
HKLR	HY/2011/03	2018-02-12	Mid-Ebb	Sunny	CS(Mf)5	10:31	11.4	Bottom	3	2	15.61	7.96	28.40	96.1	8.04	1.9	8.4
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS5	15:10	1.0	Surface	1	1	15.98	8.29	30.05	120.8	9.93	3.9	5.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS5	15:11	1.0	Surface	1	2	15.86	8.28	30.06	121.9	10.05	3.8	6.4
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS5	15:10	4.2	Middle	2	1	15.47	8.28	30.21	117.6	9.76	4.0	6.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS5	15:11	4.2	Middle	2	2	15.53	8.28	30.14	120.5	9.99	3.8	7.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS5	15:10	7.4	Bottom	3	1	15.42	8.27	30.20	116.8	9.70	4.0	10.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS5	15:10	7.4	Bottom	3	2	15.60	8.29	30.12	120.5	9.98	3.9	9.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS(Mf)6	15:23	1.0	Surface	1	1	15.90	8.31	29.70	123.8	10.22	4.0	5.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS(Mf)6	15:23	1.0	Surface	1	2	15.96	8.31	29.68	124.4	10.26	3.9	4.7
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS(Mf)6	15:23	2.6	Bottom	3	1	15.95	8.31	29.69	124.0	10.23	4.3	7.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS(Mf)6	15:22	2.6	Bottom	3	2	15.81	8.31	29.73	122.8	10.16	4.4	6.5
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS7	15:35	1.0	Surface	1	1	15.89	8.34	29.50	129.4	10.70	6.3	8.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS7	15:35	1.0	Surface	1	2	15.87	8.34	29.49	128.5	10.63	6.2	7.4
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS7	15:35	2.6	Bottom	3	1	15.89	8.34	29.46	128.5	10.62	6.4	8.3
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS7	15:35	2.6	Bottom	3	2	15.95	8.34	29.43	128.3	10.60	6.4	8.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS8	16:01	1.0	Surface	1	1	16.10	8.25	29.11	112.8	9.31	4.1	6.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS8	16:01	1.0	Surface	1	2	16.10	8.25	29.12	113.0	9.32	4.1	5.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS8	16:01	3.0	Bottom	3	1	16.12	8.25	29.11	113.0	9.32	4.1	6.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS8	16:01	3.0	Bottom	3	2	16.10	8.25	29.11	112.8	9.31	4.2	6.4
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS(Mf)9	15:43	1.0	Surface	1	1	15.95	8.29	29.40	119.0	9.83	4.0	5.7
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS(Mf)9	15:43	1.0	Surface	1	2	15.97	8.29	29.38	118.9	9.82	4.1	6.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS(Mf)9	15:43	2.7	Bottom	3	1	15.98	8.29	29.37	118.3	9.77	4.0	6.7
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS(Mf)9	15:43	2.7	Bottom	3	2	15.97	8.29	29.39	119.0	9.83	4.0	6.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS10(N)	15:50	1.0	Surface	1	1	15.74	8.25	32.01	108.6	8.87	4.4	3.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS10(N)	15:51	1.0	Surface	1	2	15.72	8.25	32.02	108.4	8.86	4.5	3.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS10(N)	15:51	5.5	Middle	2	1	15.66	8.24	32.03	108.3	8.86	4.6	5.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS10(N)	15:50	5.5	Middle	2	2	15.68	8.25	32.02	108.3	8.85	4.6	5.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS10(N)	15:50	10.0	Bottom	3	1	15.70	8.25	31.98	108.3	8.85	4.8	7.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	IS10(N)	15:51	10.0	Bottom	3	2	15.65	8.25	32.00	108.2	8.85	4.7	8.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR3(N)	14:59	1.0	Surface	1	1	16.03	8.32	28.96	122.6	10.14	5.8	5.5
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR3(N)	14:59	1.0	Surface	1	2	15.81	8.31	29.23	123.9	10.28	5.9	5.4
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR3(N)	14:59	2.6	Bottom	3	1	15.97	8.33	28.81	120.9	10.02	6.0	7.9
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR3(N)	14:59	2.6	Bottom	3	2	15.83	8.32	29.04	122.8	10.19	5.9	8.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR4(N)	15:55	1.0	Surface	1	1	16.25	8.26	29.09	116.7	9.60	3.3	4.9
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR4(N)	15:55	1.0	Surface	1	2	16.25	8.26	29.09	116.7	9.60	3.4	3.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR4(N)	15:55	2.7	Bottom	3	1	16.25	8.26	29.09	116.8	9.61	3.3	8.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR4(N)	15:55	2.7	Bottom	3	2	16.26	8.26	29.08	116.6	9.60	3.4	7.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR5(N)	15:41	1.0	Surface	1	1	15.74	8.24	32.02	106.8	8.72	5.5	4.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR5(N)	15:42	1.0	Surface	1	2	15.74	8.24	32.02	108.0	8.82	5.4	5.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR5(N)	15:41	4.4	Middle	2	1	15.68	8.23	32.02	105.2	8.60	5.6	5.1
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR5(N)	15:42	4.4	Middle	2	2	15.65	8.24	32.03	107.3	8.78	5.6	5.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR5(N)	15:41	7.7	Bottom	3	1	15.68	8.24	31.98	107.0	8.75	5.8	8.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR5(N)	15:41	7.7	Bottom	3	2	15.65	8.22	32.01	107.2	8.77	5.7	9.7
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10A(N)	16:45	1.0	Surface	1	1	15.67	8.21	32.71	98.4	8.02	3.4	5.7
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10A(N)	16:45	1.0	Surface	1	2	15.67	8.23	32.71	99.5	8.10	3.3	5.4
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10A(N)	16:45	7.2	Middle	2	1	15.67	8.21	32.71	98.6	8.03	3.4	9.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10A(N)	16:45	7.2	Middle	2	2	15.67	8.24	32.70	99.6	8.11	3.5	8.3
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10A(N)	16:45	13.3	Bottom	3	1	15.67	8.26	32.71	99.9	8.13	3.7	8.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10A(N)	16:45	13.3	Bottom	3	2	15.67	8.22	32.71	98.9	8.05	3.6	8.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10B(N2)	16:54	1.0	Surface	1	1	15.67	8.19	32.71	97.7	7.96	2.7	9.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10B(N2)	16:54	1.0	Surface	1	2	15.67	8.19	32.71	97.4	7.93	2.8	8.3
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10B(N2)	16:54	4	Middle	2	1	15.66	8.19	32.71	97.4	7.93	2.9	8.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10B(N2)	16:54	4	Middle	2	2	15.67	8.19	32.71	97.7	7.95	2.8	8.5
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10B(N2)	16:54	7.0	Bottom	3	1	15.67	8.19	32.71	97.4	7.93	3.3	8.5
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	SR10B(N2)	16:54	7.0	Bottom	3	2	15.67	8.20	32.71	97.9	7.97	3.2	9.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS2(A)	14:50	1.0	Surface	1	1	15.32	8.29	32.17	110.3	9.08	4.8	8.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS2(A)	14:50	1.0	Surface	1	2	15.34	8.30	32.14	109.0	8.96	4.8	9.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS2(A)	14:50	4.1	Middle	2	1	15.20	8.29	32.35	109.8	9.04	4.8	10.7
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS2(A)	14:50	4.1	Middle	2	2	15.31	8.30	32.16	108.2	8.90	5.1	9.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS2(A)	14:50	7.1	Bottom	3	1	15.30	8.30	32.20	109.7	9.02	5.5	9.7
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS2(A)	14:50	7.1	Bottom	3	2	15.31	8.30	32.16	109.2	8.98	5.5	9.6
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS(Mf)5	16:27	1.0	Surface	1	1	16.15	8.18	29.27	103.8	8.55	2.1	7.7
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS(Mf)5	16:26	1.0	Surface	1	2	16.16	8.18	29.25	104.3	8.59	2.1	8.8
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS(Mf)5	16:26	6.3	Middle	2	1	16.07	8.17	29.40	103.8	8.55	2.1	11.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS(Mf)5	16:26	6.3	Middle	2	2	16.01	8.17	29.46	104.0	8.58	2.1	11.0
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS(Mf)5	16:26	11.6	Bottom	3	1	16.06	8.18	29.41	104.8	8.64	2.2	11.2
HKLR	HY/2011/03	2018-02-12	Mid-Flood	Sunny	CS(Mf)5	16:26	11.6	Bottom	3	2	16.10	8.18	29.38	104.4	8.60	2.1	10.6
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS5	11:14	1.0	Surface	1	1	15.70	8.12	27.64	108.1	9.08	2.3	6.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS5	11:14	1.0	Surface	1	2	15.71	8.13	27.62	105.9	8.89	2.4	7.4
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS5	11:14	4.2	Middle	2	1	15.70	8.13	27.73	104.2	8.74	2.3	5.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS5	11:14	4.2	Middle	2	2	15.69	8.12	27.74	107.5	9.02	2.3	7.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS5	11:13	7.3	Bottom	3	1	15.69	8.15	27.79	102.0	8.55	2.4	8.5
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS5	11:14	7.3	Bottom	3	2	15.69	8.12	27.78	106.6	8.94	2.3	6.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS(Mf)6	11:47	1.0	Surface	1	1	15.76	8.09	27.84	103.8	8.69	2.9	5.6
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS(Mf)6	11:47	1.0	Surface	1	2	15.79	8.10	27.85	101.9	8.53	3.0	5.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS(Mf)6	11:47	2.0	Bottom	3	1	15.77	8.14	27.91	96.6	8.08	3.2	9.3
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS(Mf)6	11:47	2.0	Bottom	3	2	15.76	8.10	27.88	100.6	8.42	3.0	8.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS7	11:56	1.0	Surface	1	1	15.96	8.14	27.75	108.5	9.05	2.5	10.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS7	11:56	1.0	Surface	1	2	15.98	8.16	27.72	107.0	8.94	2.5	11.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS7	11:56	2.1	Bottom	3	1	15.88	8.18	27.73	101.4	8.47	2.6	12.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS7	11:56	2.1	Bottom	3	2	15.88	8.14	27.78	105.0	8.76	2.6	13.2
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS8	12:24	1.0	Surface	1	1	15.92	8.20	27.79	109.3	9.13	5.3	14.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS8	12:23	1.0	Surface	1	2	15.94	8.20	27.76	108.2	9.03	5.5	15.0
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS8	12:23	2.8	Bottom	3	1	15.84	8.20	27.79	104.0	8.70	5.4	15.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS8	12:24	2.8	Bottom	3	2	15.91	8.20	27.81	106.6	8.90	5.2	17.0
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS(Mf)9	12:05	1.0	Surface	1	1	16.19	8.13	27.70	106.0	8.81	3.1	5.8
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS(Mf)9	12:05	1.0	Surface	1	2	16.14	8.11	27.76	109.5	9.10	3.2	7.2
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS(Mf)9	12:05	2.5	Bottom	3	1	16.04	8.14	27.76	103.8	8.65	3.0	7.7
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS(Mf)9	12:05	2.5	Bottom	3	2	16.05	8.11	27.77	107.7	8.97	3.2	8.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS10(N)	11:57	1.0	Surface	1	1	15.67	8.27	32.29	108.6	8.87	3.4	7.4
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS10(N)	11:56	1.0	Surface	1	2	15.68	8.27	32.29	108.6	8.86	3.3	8.3
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS10(N)	11:56	5.3	Middle	2	1	15.59	8.28	32.27	108.2	8.84	3.5	8.7
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS10(N)	11:57	5.3	Middle	2	2	15.60	8.27	32.28	108.3	8.85	3.6	7.0
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS10(N)	11:57	9.6	Bottom	3	1	15.66	8.27	32.25	108.3	8.85	3.7	10.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	IS10(N)	11:56	9.6	Bottom	3	2	15.68	8.27	32.24	108.3	8.84	3.8	9.5
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR3(N)	11:06	1.0	Surface	1	1	15.79	8.07	26.91	108.1	9.09	2.5	8.0
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR3(N)	11:06	1.0	Surface	1	2	15.83	8.09	26.73	106.8	8.99	2.5	9.7
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR3(N)	11:06	2.3	Bottom	3	1	15.76	8.07	26.86	105.3	8.87	2.5	8.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR3(N)	11:05	2.3	Bottom	3	2	15.76	8.07	26.58	100.6	8.49	2.6	7.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR4(N)	12:17	1.0	Surface	1	1	16.15	8.15	27.85	105.5	8.77	3.0	9.6
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR4(N)	12:17	1.0	Surface	1	2	16.16	8.16	27.87	103.6	8.61	3.1	10.0
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR4(N)	12:17	2.4	Bottom	3	1	16.19	8.15	27.89	104.5	8.67	3.1	11.6
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR4(N)	12:17	2.4	Bottom	3	2	16.14	8.17	27.93	102.1	8.48	3.2	10.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR5(N)	11:46	1.0	Surface	1	1	15.58	8.28	32.27	108.4	8.85	4.2	8.3
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR5(N)	11:45	1.0	Surface	1	2	15.63	8.29	32.26	108.0	8.80	4.2	8.8
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR5(N)	11:45	4.1	Middle	2	1	15.72	8.29	32.26	107.3	8.76	4.4	8.6
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR5(N)	11:45	4.1	Middle	2	2	15.62	8.28	32.26	107.8	8.82	4.3	9.2
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR5(N)	11:45	7.1	Bottom	3	1	15.77	8.28	32.25	107.7	8.80	4.6	8.5
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR5(N)	11:45	7.1	Bottom	3	2	15.57	8.31	32.29	106.8	8.73	4.7	9.3
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10A(N)	12:42	1.0	Surface	1	1	15.74	8.24	32.55	100.4	8.17	3.1	7.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10A(N)	12:42	1.0	Surface	1	2	15.73	8.22	32.56	99.9	8.14	3.2	7.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10A(N)	12:42	6.9	Middle	2	1	15.71	8.22	32.56	99.9	8.13	3.4	6.3
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10A(N)	12:42	6.9	Middle	2	2	15.74	8.24	32.56	100.3	8.16	3.3	7.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10A(N)	12:42	12.7	Bottom	3	1	15.72	8.23	32.56	100.0	8.14	3.6	7.6
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10A(N)	12:42	12.7	Bottom	3	2	15.71	8.25	32.55	100.2	8.16	3.5	8.6
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10B(N2)	12:51	1.0	Surface	1	1	15.72	8.21	32.57	99.6	8.11	5.3	5.5
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10B(N2)	12:51	1.0	Surface	1	2	15.71	8.21	32.56	99.3	8.08	5.2	6.3
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10B(N2)	12:51	3.7	Middle	2	1	15.71	8.21	32.56	99.6	8.11	5.5	8.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10B(N2)	12:51	3.7	Middle	2	2	15.70	8.21	32.56	99.2	8.08	5.4	7.4
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10B(N2)	12:51	6.4	Bottom	3	1	15.72	8.21	32.55	99.8	8.12	5.8	10.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	SR10B(N2)	12:51	6.4	Bottom	3	2	15.70	8.21	32.56	99.3	8.09	5.7	11.6
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS2(A)	10:59	1.0	Surface	1	1	15.52	8.29	32.30	108.2	8.84	7.4	5.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS2(A)	11:00	1.0	Surface	1	2	15.53	8.29	32.26	108.2	8.86	7.3	5.2
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS2(A)	10:59	3.8	Middle	2	1	15.44	8.29	32.44	107.6	8.81	7.6	6.0
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS2(A)	10:59	3.8	Middle	2	2	15.43	8.29	32.49	108.2	8.85	7.6	6.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS2(A)	10:59	6.6	Bottom	3	1	15.42	8.29	32.51	108.0	8.83	7.9	12.7
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS2(A)	10:59	6.6	Bottom	3	2	15.46	8.29	32.46	107.4	8.80	7.8	11.1
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS(Mf)5	12:49	1.0	Surface	1	1	15.87	8.10	28.12	102.3	8.53	2.0	8.0
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS(Mf)5	12:50	1.0	Surface	1	2	15.86	8.11	28.11	103.2	8.61	2.1	7.8
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS(Mf)5	12:50	5.9	Middle	2	1	15.81	8.09	28.33	101.9	8.50	2.1	6.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS(Mf)5	12:49	5.9	Middle	2	2	15.83	8.10	28.25	101.2	8.44	2.0	7.3
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS(Mf)5	12:50	10.7	Bottom	3	1	15.71	8.08	28.42	102.0	8.52	2.2	6.9
HKLR	HY/2011/03	2018-02-14	Mid-Ebb	Sunny	CS(Mf)5	12:49	10.7	Bottom	3	2	15.72	8.10	28.32	100.7	8.41	2.1	7.3
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS5	7:31	1.0	Surface	1	1	15.52	8.14	28.14	107.6	9.03	2.6	3.7
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS5	7:31	1.0	Surface	1	2	15.52	8.14	28.18	108.3	9.09	2.5	4.3
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS5	7:30	4.4	Middle	2	1	15.52	8.14	28.14	106.8	8.96	2.8	4.1
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS5	7:31	4.4	Middle	2	2	15.53	8.14	28.21	107.9	9.06	2.6	3.5
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS5	7:31	7.7	Bottom	3	1	15.53	8.14	28.20	107.6	9.03	2.6	8.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS5	7:30	7.7	Bottom	3	2	15.52	8.14	28.12	105.8	8.89	2.8	6.7
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS(Mf)6	7:23	1.0	Surface	1	1	15.53	8.13	28.18	107.9	9.05	2.8	4.3
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS(Mf)6	7:23	1.0	Surface	1	2	15.53	8.12	28.14	107.6	9.03	2.9	5.3
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS(Mf)6	7:23	2.1	Bottom	3	1	15.53	8.12	28.17	107.6	9.03	2.7	7.1
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS(Mf)6	7:23	2.1	Bottom	3	2	15.52	8.13	28.12	107.0	8.99	2.9	8.6
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS7	7:14	1.0	Surface	1	1	15.51	8.13	28.11	108.1	9.08	5.4	6.9
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS7	7:14	1.0	Surface	1	2	15.50	8.12	28.09	106.9	8.99	5.5	7.1
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS7	7:14	2.0	Bottom	3	1	15.52	8.13	28.12	107.7	9.05	5.1	7.6
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS7	7:14	2.0	Bottom	3	2	15.44	8.12	28.12	104.8	8.81	5.3	7.3
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS8	6:43	1.0	Surface	1	1	15.74	8.07	27.78	109.9	9.21	4.6	6.8
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS8	6:43	1.0	Surface	1	2	15.73	8.06	27.73	109.7	9.19	4.5	6.7
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS8	6:43	3.0	Bottom	3	1	15.72	8.05	27.72	109.4	9.17	4.4	10.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS8	6:43	3.0	Bottom	3	2	15.73	8.07	27.79	109.6	9.19	4.6	10.3
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS(Mf)9	7:06	1.0	Surface	1	1	15.78	8.12	27.89	109.9	9.20	7.5	8.7
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS(Mf)9	7:07	1.0	Surface	1	2	15.78	8.13	27.94	110.5	9.24	7.2	9.1
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS(Mf)9	7:06	2.5	Bottom	3	1	15.78	8.11	27.87	109.2	9.14	7.5	10.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS(Mf)9	7:06	2.5	Bottom	3	2	15.78	8.12	27.93	110.2	9.22	7.6	9.9
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS10(N)	6:43	1.0	Surface	1	1	15.55	8.28	32.40	108.3	8.85	7.3	5.8
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS10(N)	6:43	1.0	Surface	1	2	15.57	8.27	32.36	108.3	8.85	7.4	6.6
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS10(N)	6:43	5.4	Middle	2	1	15.57	8.27	32.39	108.2	8.84	7.6	6.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS10(N)	6:43	5.4	Middle	2	2	15.58	8.28	32.36	108.2	8.84	7.5	6.9
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS10(N)	6:43	9.7	Bottom	3	1	15.56	8.27	32.39	108.2	8.85	7.7	6.4
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	IS10(N)	6:43	9.7	Bottom	3	2	15.57	8.28	32.38	108.1	8.83	7.7	6.9
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR3(N)	7:41	1.0	Surface	1	1	15.60	8.13	28.25	107.3	8.99	2.8	7.1
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR3(N)	7:41	1.0	Surface	1	2	15.60	8.13	28.07	108.3	9.08	2.8	7.8

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	2018-02-14	Mid-Flood	Sunny	SR3(N)	7:41	2.5	Bottom	3	1	15.61	8.13	28.27	107.7	9.02	2.8	7.5
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR3(N)	7:40	2.5	Bottom	3	2	15.50	8.13	28.33	105.5	8.85	2.8	7.6
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR4(N)	6:51	1.0	Surface	1	1	15.72	8.09	27.72	108.4	9.09	3.8	6.0
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR4(N)	6:52	1.0	Surface	1	2	15.70	8.09	27.79	108.1	9.06	3.6	6.1
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR4(N)	6:51	2.4	Bottom	3	1	15.68	8.09	27.70	108.1	9.07	3.8	5.7
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR4(N)	6:51	2.4	Bottom	3	2	15.70	8.09	27.78	108.1	9.06	3.7	5.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR5(N)	6:55	1.0	Surface	1	1	15.57	8.27	32.35	108.2	8.85	7.2	9.1
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR5(N)	6:55	1.0	Surface	1	2	15.57	8.27	32.39	108.2	8.85	7.3	8.6
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR5(N)	6:55	4.1	Middle	2	1	15.57	8.27	32.38	108.1	8.84	7.6	7.8
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR5(N)	6:55	4.1	Middle	2	2	15.56	8.27	32.39	108.1	8.84	7.6	7.4
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR5(N)	6:55	7.2	Bottom	3	1	15.57	8.27	32.36	108.1	8.83	7.8	8.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR5(N)	6:54	7.2	Bottom	3	2	15.57	8.27	32.39	108.1	8.84	7.9	8.0
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10A(N)	6:03	1.0	Surface	1	1	15.64	8.11	32.46	101.7	8.30	3.2	6.8
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10A(N)	6:02	1.0	Surface	1	2	15.64	8.10	32.47	101.6	8.29	3.1	6.8
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10A(N)	6:03	7	Middle	2	1	15.64	8.10	32.46	101.5	8.28	3.3	7.0
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10A(N)	6:02	7	Middle	2	2	15.65	8.09	32.47	101.4	8.27	3.3	7.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10A(N)	6:02	12.9	Bottom	3	1	15.65	8.08	32.48	101.5	8.28	3.4	6.4
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10A(N)	6:03	12.9	Bottom	3	2	15.64	8.10	32.46	101.4	8.27	3.5	6.5
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10B(N2)	5:50	1.0	Surface	1	1	15.66	8.19	32.49	102.0	8.32	3.3	6.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10B(N2)	5:50	1.0	Surface	1	2	15.65	8.17	32.49	102.6	8.37	3.2	6.8
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10B(N2)	5:50	3.8	Middle	2	1	15.65	8.19	32.49	101.9	8.32	3.4	7.4
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10B(N2)	5:50	3.8	Middle	2	2	15.64	8.18	32.49	102.8	8.38	3.4	9.0
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10B(N2)	5:50	6.5	Bottom	3	1	15.64	8.19	32.48	103.2	8.42	3.7	7.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	SR10B(N2)	5:50	6.5	Bottom	3	2	15.65	8.21	32.48	102.0	8.32	3.6	5.7
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS2(A)	7:47	1.0	Surface	1	1	15.49	8.26	32.17	108.3	8.88	6.2	5.9
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS2(A)	7:47	1.0	Surface	1	2	15.49	8.26	32.15	108.2	8.87	6.1	4.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS2(A)	7:47	3.8	Middle	2	1	15.48	8.26	32.21	108.0	8.85	6.3	5.7
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS2(A)	7:47	3.8	Middle	2	2	15.46	8.26	32.24	108.2	8.87	6.3	6.2
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS2(A)	7:47	6.6	Bottom	3	1	15.47	8.26	32.25	108.1	8.86	6.5	9.9
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS2(A)	7:46	6.6	Bottom	3	2	15.49	8.26	32.19	107.9	8.85	6.4	10.9
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS(Mf)5	6:18	1.0	Surface	1	1	15.59	8.00	27.51	106.0	8.93	2.8	5.3
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS(Mf)5	6:18	1.0	Surface	1	2	15.58	7.97	27.49	105.2	8.86	2.8	4.6
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS(Mf)5	6:18	6.1	Middle	2	1	15.58	7.96	27.58	104.9	8.83	2.9	6.1
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS(Mf)5	6:18	6.1	Middle	2	2	15.56	8.01	27.63	105.7	8.90	2.8	5.3
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS(Mf)5	6:17	11.2	Bottom	3	1	15.55	7.96	27.47	103.7	8.74	2.9	6.4
HKLR	HY/2011/03	2018-02-14	Mid-Flood	Sunny	CS(Mf)5	6:18	11.2	Bottom	3	2	15.54	8.00	27.66	105.0	8.84	2.9	5.9
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS5	12:54	1.0	Surface	1	1	17.12	8.12	27.51	109.3	8.93	2.0	3.0
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS5	12:54	1.0	Surface	1	2	17.12	8.12	27.54	110.3	9.00	2.0	3.1
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS5	12:54	4.3	Middle	2	1	17.12	8.12	27.54	107.9	8.81	2.2	4.9
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS5	12:54	4.3	Middle	2	2	17.12	8.12	27.58	110.2	9.00	2.1	3.9
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS5	12:54	7.5	Bottom	3	1	17.11	8.12	27.59	109.8	8.96	2.4	6.9
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS5	12:53	7.5	Bottom	3	2	17.12	8.12	27.53	106.3	8.68	2.4	6.7
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS(Mf)6	13:03	1.0	Surface	1	1	17.11	8.13	27.57	107.1	8.75	3.6	7.4
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS(Mf)6	13:02	1.0	Surface	1	2	17.11	8.13	27.56	106.2	8.67	3.8	6.8
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS(Mf)6	13:02	2.1	Bottom	3	1	17.08	8.13	27.58	103.7	8.48	3.8	6.4
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS(Mf)6	13:03	2.1	Bottom	3	2	17.11	8.13	27.58	106.5	8.70	3.8	7.0
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS7	13:12	1.0	Surface	1	1	17.18	8.14	27.58	107.4	8.76	4.6	8.6
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS7	13:12	1.0	Surface	1	2	17.18	8.14	27.60	108.9	8.88	4.6	7.7
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS7	13:12	2.0	Bottom	3	1	17.18	8.14	27.60	108.1	8.81	4.7	9.1
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS7	13:12	2.0	Bottom	3	2	17.18	8.14	27.55	105.7	8.62	4.8	8.2
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS8	13:39	1.0	Surface	1	1	16.78	8.15	27.28	109.8	9.04	3.4	9.7
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS8	13:38	1.0	Surface	1	2	16.78	8.15	27.25	107.3	8.84	3.5	10.0
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS8	13:39	2.8	Bottom	3	1	16.78	8.15	27.29	108.7	8.95	3.5	9.0
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS8	13:38	2.8	Bottom	3	2	16.77	8.15	27.24	104.9	8.64	3.5	9.6
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS(Mf)9	13:21	1.0	Surface	1	1	16.83	8.14	27.36	106.5	8.76	3.6	7.2
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS(Mf)9	13:21	1.0	Surface	1	2	16.82	8.15	27.38	108.4	8.91	3.4	7.3
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS(Mf)9	13:20	2.5	Bottom	3	1	16.82	8.14	27.38	103.8	8.53	3.5	6.5
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS(Mf)9	13:21	2.5	Bottom	3	2	16.83	8.14	27.38	107.5	8.84	3.4	7.7
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS10(N)	13:36	1.0	Surface	1	1	16.60	8.33	31.01	113.3	9.15	4.6	6.5
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS10(N)	13:35	1.0	Surface	1	2	16.59	8.33	31.01	112.9	9.12	4.2	6.5
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS10(N)	13:35	5.2	Middle	2	1	16.59	8.33	31.03	112.6	9.09	4.4	8.2
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS10(N)	13:34	5.2	Middle	2	2	16.59	8.33	31.07	112.5	9.08	4.2	8.5
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS10(N)	13:35	9.3	Bottom	3	1	16.59	8.33	31.07	112.6	9.09	5.2	11.2
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	IS10(N)	13:34	9.3	Bottom	3	2	16.59	8.33	31.09	112.4	9.08	4.8	13.0
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR3(N)	12:46	1.0	Surface	1	1	17.11	8.11	27.20	109.8	8.99	2.8	7.6
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR3(N)	12:45	1.0	Surface	1	2	17.11	8.11	27.07	107.0	8.77	2.8	6.6
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR3(N)	12:46	2.3	Bottom	3	1	17.11	8.11	27.18	108.4	8.88	2.9	7.5
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR3(N)	12:45	2.3	Bottom	3	2	17.12	8.13	26.86	103.1	8.46	2.7	7.0
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR4(N)	13:32	1.0	Surface	1	1	16.89	8.12	27.29	106.4	8.74	3.1	6.4
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR4(N)	13:32	1.0	Surface	1	2	16.90	8.13	27.26	104.6	8.59	3.1	7.6
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR4(N)	13:32	2.6	Bottom	3	1	16.91	8.13	27.24	103.5	8.50	3.1	7.3
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR4(N)	13:32	2.6	Bottom	3	2	16.89	8.12	27.29	105.8	8.69	3.0	7.1
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR5(N)	13:22	1.0	Surface	1	1	16.59	8.33	31.00	113.1	9.14	3.3	5.8
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR5(N)	13:21	1.0	Surface	1	2	16.59	8.33	31.00	112.2	9.06	3.3	4.2
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR5(N)	13:22	4.1	Middle	2	1	16.59	8.33	31.02	112.3	9.07	3.7	9.6
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR5(N)	13:21	4.1	Middle	2	2	16.59	8.33	31.02	110.0	8.89	3.7	9.4
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR5(N)	13:21	7.2	Bottom	3	1	16.59	8.33	31.04	112.1	9.06	4.3	8.4
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR5(N)	13:21	7.2	Bottom	3	2	16.59	8.33	31.06	108.3	8.75	4.5	9.4
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10A(N)	14:28	1.0	Surface	1	1	16.32	8.29	31.81	102.7	8.30	3.3	6.4
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10A(N)	14:27	1.0	Surface	1	2	16.32	8.31	31.80	102.4	8.28	3.4	6.3
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10A(N)	14:27	6.8	Middle	2	1	16.29	8.31	31.87	101.5	8.20	3.9	5.4
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10A(N)	14:28	6.8	Middle	2	2	16.30	8.29	31.85	102.1	8.26	3.6	5.8
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10A(N)	14:26	12.5	Bottom	3	1	16.30	8.31	31.86	101.3	8.19	4.0	5.5
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10A(N)	14:27	12.5	Bottom	3	2	16.30	8.30	31.84	102.2	8.26	4.5	5.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10B(N2)	14:39	1.0	Surface	1	1	16.31	8.29	31.83	102.7	8.30	3.6	6.5
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10B(N2)	14:40	1.0	Surface	1	2	16.33	8.29	31.80	102.8	8.31	3.5	6.1
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10B(N2)	14:38	3.4	Middle	2	1	16.31	8.29	31.84	102.5	8.28	4.7	7.1
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10B(N2)	14:39	3.4	Middle	2	2	16.32	8.29	31.82	102.5	8.28	4.2	7.1
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10B(N2)	14:39	5.8	Bottom	3	1	16.31	8.28	31.83	102.4	8.27	4.3	13.7
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	SR10B(N2)	14:38	5.8	Bottom	3	2	16.31	8.29	31.86	102.4	8.28	5.0	15.0
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS2(A)	12:28	1.0	Surface	1	1	16.06	8.33	31.36	108.1	8.81	7.6	8.6
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS2(A)	12:27	1.0	Surface	1	2	16.07	8.34	31.35	106.7	8.69	7.7	8.3
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS2(A)	12:28	3.7	Middle	2	1	15.91	8.32	31.71	106.8	8.71	8.8	9.0
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS2(A)	12:27	3.7	Middle	2	2	15.91	8.32	31.72	103.2	8.41	8.5	7.2
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS2(A)	12:27	6.3	Bottom	3	1	15.94	8.32	31.66	106.9	8.71	9.0	10.9
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS2(A)	12:27	6.3	Bottom	3	2	15.91	8.32	31.74	102.0	8.32	9.2	9.5
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS(Mf)5	14:02	1.0	Surface	1	1	16.68	8.11	27.54	107.3	8.84	1.8	5.6
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS(Mf)5	14:03	1.0	Surface	1	2	16.58	8.10	27.66	107.1	8.84	1.7	4.8
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS(Mf)5	14:03	5.9	Middle	2	1	16.50	8.09	27.78	106.8	8.81	1.8	4.2
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS(Mf)5	14:02	5.9	Middle	2	2	16.47	8.10	27.81	103.4	8.53	1.7	5.8
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS(Mf)5	14:02	10.7	Bottom	3	1	16.43	8.10	27.89	102.8	8.49	1.8	5.1
HKLR	HY/2011/03	2018-02-17	Mid-Ebb	Cloudy	CS(Mf)5	14:02	10.7	Bottom	3	2	16.49	8.10	27.85	106.2	8.77	1.7	4.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS5	9:23	1.0	Surface	1	1	17.04	8.08	27.21	110.6	9.06	2.4	4.6
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS5	9:22	1.0	Surface	1	2	17.04	8.08	27.21	108.0	8.85	2.4	4.1
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS5	9:22	4.3	Middle	2	1	17.05	8.08	27.30	106.7	8.74	2.4	7.8
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS5	9:22	4.3	Middle	2	2	17.04	8.08	27.28	109.3	8.95	2.4	8.3
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS5	9:22	7.6	Bottom	3	1	17.05	8.08	27.31	109.3	8.95	2.3	9.6
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS5	9:22	7.6	Bottom	3	2	17.06	8.08	27.32	105.5	8.64	2.3	10.1
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS(Mf)6	9:14	1.0	Surface	1	1	17.06	8.09	27.19	105.7	8.66	3.9	8.8
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS(Mf)6	9:14	1.0	Surface	1	2	17.05	8.09	27.20	108.3	8.87	3.8	8.7
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS(Mf)6	9:14	2.0	Bottom	3	1	17.05	8.09	27.21	107.3	8.79	3.9	8.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS(Mf)6	9:14	2.0	Bottom	3	2	17.06	8.08	27.20	103.6	8.49	4.0	9.7
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS7	9:04	1.0	Surface	1	1	17.08	8.08	27.19	106.9	8.76	5.6	11.0
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS7	9:04	1.0	Surface	1	2	17.08	8.08	27.20	108.5	8.88	5.6	9.3
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS7	9:04	2.1	Bottom	3	1	17.08	8.08	27.21	104.9	8.59	5.6	10.9
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS7	9:04	2.1	Bottom	3	2	17.08	8.08	27.21	108.3	8.86	5.8	10.1
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS8	8:38	1.0	Surface	1	1	16.67	8.04	27.02	103.7	8.57	2.3	8.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS8	8:38	1.0	Surface	1	2	16.67	8.06	27.01	106.9	8.84	2.2	7.8
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS8	8:38	3.0	Bottom	3	1	16.68	8.03	27.04	102.5	8.47	2.3	10.4
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS8	8:38	3.0	Bottom	3	2	16.67	8.05	27.06	105.5	8.72	2.2	9.4
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS(Mf)9	8:55	1.0	Surface	1	1	16.90	8.08	27.03	104.3	8.58	4.5	7.6
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS(Mf)9	8:56	1.0	Surface	1	2	16.90	8.08	27.06	107.0	8.80	4.4	8.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS(Mf)9	8:55	2.7	Bottom	3	1	16.89	8.08	27.05	102.4	8.42	4.5	10.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS(Mf)9	8:56	2.7	Bottom	3	2	16.90	8.08	27.07	105.8	8.70	4.2	12.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS10(N)	9:03	1.0	Surface	1	1	16.61	8.30	30.93	111.7	9.03	6.3	13.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS10(N)	9:02	1.0	Surface	1	2	16.62	8.30	30.93	110.3	8.91	6.5	13.8
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS10(N)	9:03	5.3	Middle	2	1	16.60	8.30	30.93	110.8	8.95	7.4	13.7
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS10(N)	9:02	5.3	Middle	2	2	16.60	8.30	30.94	108.7	8.78	7.2	14.0
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS10(N)	9:02	9.5	Bottom	3	1	16.60	8.30	30.94	106.4	8.60	8.0	16.4
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	IS10(N)	9:03	9.5	Bottom	3	2	16.60	8.30	30.93	110.5	8.93	8.5	16.9
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR3(N)	9:31	1.0	Surface	1	1	17.10	8.09	27.32	108.4	8.87	2.6	9.0
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR3(N)	9:30	1.0	Surface	1	2	17.10	8.09	27.31	106.3	8.69	2.6	10.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR3(N)	9:30	2.6	Bottom	3	1	17.10	8.08	27.34	103.8	8.49	2.7	9.4
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR3(N)	9:30	2.6	Bottom	3	2	17.10	8.09	27.34	107.2	8.77	2.8	10.4
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR4(N)	8:46	1.0	Surface	1	1	16.66	8.06	26.84	106.7	8.83	2.9	8.8
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR4(N)	8:46	1.0	Surface	1	2	16.66	8.06	26.84	103.7	8.58	2.7	9.7
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR4(N)	8:46	2.7	Bottom	3	1	16.66	8.06	26.88	104.9	8.68	2.9	8.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR4(N)	8:45	2.7	Bottom	3	2	16.68	8.05	26.87	101.8	8.42	2.9	10.1
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR5(N)	9:17	1.0	Surface	1	1	16.58	8.30	30.93	112.5	9.09	6.9	7.1
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR5(N)	9:18	1.0	Surface	1	2	16.55	8.30	30.93	112.3	9.09	6.7	7.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR5(N)	9:17	4.1	Middle	2	1	16.55	8.30	30.93	112.1	9.07	7.2	13.3
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR5(N)	9:17	4.1	Middle	2	2	16.55	8.30	30.93	112.1	9.06	6.8	14.1
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR5(N)	9:17	7.1	Bottom	3	1	16.57	8.30	30.92	112.1	9.06	7.3	15.4
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR5(N)	9:17	7.1	Bottom	3	2	16.53	8.30	30.93	111.8	9.05	7.0	15.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10A(N)	8:17	1.0	Surface	1	1	16.37	8.32	31.65	104.7	8.46	3.3	8.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10A(N)	8:17	1.0	Surface	1	2	16.37	8.30	31.64	104.9	8.48	3.5	9.7
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10A(N)	8:17	6.7	Middle	2	1	16.34	8.31	31.73	104.3	8.43	3.8	10.8
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10A(N)	8:16	6.7	Middle	2	2	16.35	8.32	31.72	104.3	8.43	3.7	10.6
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10A(N)	8:17	12.4	Bottom	3	1	16.35	8.31	31.72	104.4	8.44	3.4	10.9
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10A(N)	8:16	12.4	Bottom	3	2	16.36	8.32	31.70	104.5	8.44	3.8	11.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10B(N2)	8:05	1.0	Surface	1	1	16.36	8.32	31.70	102.7	8.30	3.2	5.5
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10B(N2)	8:06	1.0	Surface	1	2	16.37	8.31	31.63	104.4	8.44	3.3	4.7
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10B(N2)	8:05	3.5	Middle	2	1	16.35	8.31	31.74	102.0	8.24	3.0	7.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10B(N2)	8:06	3.5	Middle	2	2	16.36	8.31	31.70	103.8	8.39	2.8	8.6
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10B(N2)	8:06	5.9	Bottom	3	1	16.35	8.31	31.72	103.4	8.36	3.3	7.1
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	SR10B(N2)	8:05	5.9	Bottom	3	2	16.36	8.31	31.76	101.2	8.17	3.7	8.3
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS2(A)	10:12	1.0	Surface	1	1	16.14	8.33	31.23	110.2	8.97	8.5	7.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS2(A)	10:12	1.0	Surface	1	2	16.14	8.33	31.23	107.4	8.75	8.0	6.6
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS2(A)	10:12	3.6	Middle	2	1	16.05	8.32	31.51	109.0	8.87	9.3	6.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS2(A)	10:12	3.6	Middle	2	2	16.05	8.32	31.51	104.9	8.54	9.2	7.3
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS2(A)	10:12	6.2	Bottom	3	1	16.08	8.32	31.43	108.5	8.83	10.5	11.7
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS2(A)	10:11	6.2	Bottom	3	2	16.09	8.31	31.49	101.8	8.28	10.7	10.2
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS(Mf)5	8:17	1.0	Surface	1	1	16.51	8.00	27.10	108.5	8.99	4.2	2.6
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS(Mf)5	8:17	1.0	Surface	1	2	16.51	7.98	27.19	107.6	8.91	4.2	4.1
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS(Mf)5	8:17	6	Middle	2	1	16.47	7.98	27.45	106.9	8.85	4.5	5.7
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS(Mf)5	8:17	6	Middle	2	2	16.49	7.97	27.53	105.3	8.71	4.5	4.0
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS(Mf)5	8:16	11	Bottom	3	1	16.47	7.97	27.79	103.9	8.58	4.5	6.8
HKLR	HY/2011/03	2018-02-17	Mid-Flood	Cloudy	CS(Mf)5	8:17	11	Bottom	3	2	16.46	7.98	27.55	106.8	8.83	4.6	7.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS5	14:01	1.0	Surface	1	1	17.17	8.03	27.18	104.6	8.55	3.0	5.4
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS5	14:02	1.0	Surface	1	2	17.18	8.03	27.19	106.3	8.69	3.1	6.5
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS5	14:02	4.3	Middle	2	1	17.10	8.05	27.30	105.5	8.63	3.2	5.8
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS5	14:01	4.3	Middle	2	2	17.13	8.03	27.31	103.4	8.45	3.4	6.8
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS5	14:01	7.6	Bottom	3	1	17.13	8.04	27.32	97.0	7.93	3.6	7.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS5	14:02	7.6	Bottom	3	2	17.10	8.04	27.34	100.6	8.22	3.5	7.7
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS(Mf)6	14:08	1.0	Surface	1	1	17.23	8.02	27.19	100.9	8.24	3.1	6.6
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS(Mf)6	14:08	1.0	Surface	1	2	17.24	8.03	27.16	103.6	8.46	3.2	5.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS(Mf)6	14:08	2.3	Bottom	3	1	17.22	8.04	27.20	102.3	8.36	3.2	6.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS(Mf)6	14:08	2.3	Bottom	3	2	17.23	8.03	27.23	99.2	8.10	3.0	7.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS7	14:18	1.0	Surface	1	1	17.39	8.05	27.03	100.3	8.17	3.4	5.0
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS7	14:18	1.0	Surface	1	2	17.46	8.02	26.97	104.7	8.52	3.5	5.5
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS7	14:18	2.4	Bottom	3	1	17.36	8.04	27.04	101.8	8.30	3.7	8.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS7	14:18	2.4	Bottom	3	2	17.31	8.08	27.10	97.2	7.93	3.6	7.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS8	14:46	1.0	Surface	1	1	17.52	8.05	27.13	117.3	9.53	3.0	6.2
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS8	14:46	1.0	Surface	1	2	17.20	8.06	27.20	115.6	9.45	2.8	5.6
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS8	14:46	2.8	Bottom	3	1	17.05	8.07	27.16	114.1	9.35	3.3	5.1
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS8	14:46	2.8	Bottom	3	2	17.23	8.06	27.08	116.0	9.48	3.2	5.1
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS(Mf)9	14:25	1.0	Surface	1	1	17.39	8.07	26.97	109.4	8.92	3.2	6.8
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS(Mf)9	14:25	1.0	Surface	1	2	17.26	8.07	27.03	112.7	9.20	3.3	6.8
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS(Mf)9	14:24	2.6	Bottom	3	1	17.32	8.08	27.18	97.4	7.94	4.0	6.9
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS(Mf)9	14:25	2.6	Bottom	3	2	17.34	8.07	27.07	104.9	8.55	4.3	6.6
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS10(N)	14:36	1.0	Surface	1	1	17.37	8.52	29.88	112.9	9.05	5.0	7.0
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS10(N)	14:35	1.0	Surface	1	2	17.03	8.53	29.96	112.0	9.03	4.9	5.8
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS10(N)	14:35	5.2	Middle	2	1	16.71	8.53	30.77	110.4	8.91	5.0	5.9
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS10(N)	14:36	5.2	Middle	2	2	16.83	8.53	30.58	111.4	8.99	5.1	5.6
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS10(N)	14:35	9.3	Bottom	3	1	16.75	8.53	30.72	110.5	8.92	5.5	6.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	IS10(N)	14:36	9.3	Bottom	3	2	16.80	8.53	30.64	111.4	8.98	5.6	6.2
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR3(N)	13:52	1.0	Surface	1	1	17.48	8.03	25.97	95.3	7.80	3.2	5.6
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR3(N)	13:52	1.0	Surface	1	2	17.42	8.02	26.15	99.9	8.18	3.0	5.7
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR3(N)	13:52	2.9	Bottom	3	1	17.38	8.02	25.99	97.0	7.96	3.2	5.6
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR3(N)	13:52	2.9	Bottom	3	2	17.22	8.02	25.86	93.7	7.71	3.4	5.2
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR4(N)	14:38	1.0	Surface	1	1	17.41	8.09	27.17	104.7	8.55	3.4	5.5
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR4(N)	14:38	1.0	Surface	1	2	17.28	8.07	27.19	107.8	8.79	3.4	4.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR4(N)	14:38	2.7	Bottom	3	1	17.28	8.08	27.12	102.5	8.34	3.3	4.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR4(N)	14:38	2.7	Bottom	3	2	17.16	8.10	27.14	98.1	8.02	3.4	5.8
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR5(N)	14:18	1.0	Surface	1	1	17.05	8.55	29.93	110.2	8.89	5.1	5.4
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR5(N)	14:19	1.0	Surface	1	2	17.01	8.54	30.05	111.2	8.96	5.0	5.9
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR5(N)	14:18	4.1	Middle	2	1	16.82	8.54	30.57	108.0	8.71	5.4	4.0
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR5(N)	14:18	4.1	Middle	2	2	16.75	8.53	30.68	110.5	8.92	5.5	4.6
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR5(N)	14:18	7.1	Bottom	3	1	16.73	8.54	30.71	107.2	8.65	5.5	6.0
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR5(N)	14:18	7.1	Bottom	3	2	16.77	8.53	30.67	110.4	8.91	5.6	5.9
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10A(N)	15:08	1.0	Surface	1	1	16.60	8.50	31.54	103.9	8.37	4.5	2.9
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10A(N)	15:08	1.0	Surface	1	2	16.58	8.49	31.55	103.8	8.36	4.4	3.9
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10A(N)	15:08	6.8	Middle	2	1	16.58	8.49	31.55	103.7	8.35	4.7	4.4
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10A(N)	15:08	6.8	Middle	2	2	16.58	8.50	31.54	103.6	8.35	4.7	3.7
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10A(N)	15:08	12.5	Bottom	3	1	16.59	8.50	31.54	103.7	8.35	5.0	3.9
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10A(N)	15:08	12.5	Bottom	3	2	16.59	8.49	31.54	103.7	8.35	4.9	4.5
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10B(N2)	15:22	1.0	Surface	1	1	16.79	8.50	31.45	106.1	8.52	4.4	3.8
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10B(N2)	15:21	1.0	Surface	1	2	16.70	8.50	31.49	105.3	8.46	4.5	4.4
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10B(N2)	15:22	3.5	Middle	2	1	16.68	8.50	31.50	105.2	8.46	4.6	3.9
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10B(N2)	15:21	3.5	Middle	2	2	16.66	8.50	31.51	105.1	8.46	5.4	3.7
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10B(N2)	15:21	6.0	Bottom	3	1	16.69	8.50	31.49	105.3	8.47	5.1	5.2
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	SR10B(N2)	15:21	6.0	Bottom	3	2	16.70	8.50	31.48	105.3	8.47	5.2	4.2
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS2(A)	13:36	1.0	Surface	1	1	16.40	8.54	31.22	110.1	8.92	6.6	6.5
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS2(A)	13:36	1.0	Surface	1	2	16.40	8.54	31.23	110.2	8.92	6.7	7.4
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS2(A)	13:36	3.8	Middle	2	1	16.33	8.53	31.48	109.8	8.89	7.8	6.2
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS2(A)	13:36	3.8	Middle	2	2	16.32	8.53	31.49	109.5	8.86	7.6	6.0
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS2(A)	13:36	6.6	Bottom	3	1	16.34	8.53	31.46	110.1	8.92	8.1	7.0
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS2(A)	13:35	6.6	Bottom	3	2	16.33	8.53	31.54	109.6	8.87	8.3	6.5
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS(Mf)5	15:08	1.0	Surface	1	1	16.87	8.04	26.86	104.2	8.58	2.6	4.8
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS(Mf)5	15:08	1.0	Surface	1	2	16.84	8.03	26.90	106.2	8.75	2.6	3.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS(Mf)5	15:08	6.4	Middle	2	1	16.58	8.00	27.20	104.2	8.62	2.8	3.4
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS(Mf)5	15:07	6.4	Middle	2	2	16.59	8.02	27.17	99.4	8.22	2.6	3.6
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS(Mf)5	15:08	11.7	Bottom	3	1	16.57	8.00	27.33	104.3	8.62	2.7	4.3
HKLR	HY/2011/03	2018-02-19	Mid-Ebb	Sunny	CS(Mf)5	15:07	11.7	Bottom	3	2	16.59	8.04	27.24	97.9	8.09	2.6	3.6
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS5	9:58	1.0	Surface	1	1	16.95	8.02	27.57	104.3	8.54	3.4	5.4
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS5	9:57	1.0	Surface	1	2	16.95	8.02	27.57	103.4	8.47	3.5	6.5
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS5	9:57	4.2	Middle	2	1	16.94	8.02	27.61	103.0	8.44	3.3	5.7
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS5	9:57	4.2	Middle	2	2	16.95	8.02	27.60	103.6	8.49	3.5	6.6
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS5	9:57	7.3	Bottom	3	1	16.95	8.02	27.60	102.3	8.38	3.5	7.7
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS5	9:57	7.3	Bottom	3	2	16.95	8.02	27.62	100.9	8.26	3.3	7.7
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS(Mf)6	9:49	1.0	Surface	1	1	16.97	8.03	27.58	101.8	8.34	4.2	5.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS(Mf)6	9:50	1.0	Surface	1	2	16.96	8.02	27.54	103.8	8.50	4.2	6.2
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS(Mf)6	9:50	2.2	Bottom	3	1	16.96	8.03	27.59	102.7	8.41	4.6	5.5
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS(Mf)6	9:49	2.2	Bottom	3	2	16.97	8.03	27.58	100.9	8.26	4.7	6.7
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS7	9:40	1.0	Surface	1	1	16.96	8.02	27.50	104.2	8.54	4.1	5.5
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS7	9:39	1.0	Surface	1	2	16.97	8.02	27.48	103.3	8.46	4.3	6.3
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS7	9:39	2.2	Bottom	3	1	16.97	8.02	27.55	102.6	8.40	5.2	5.7
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS7	9:40	2.2	Bottom	3	2	16.97	8.02	27.52	103.7	8.50	4.9	6.8
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS8	9:11	1.0	Surface	1	1	16.76	8.00	27.08	105.0	8.66	3.2	6.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS8	9:11	1.0	Surface	1	2	16.76	8.00	27.05	102.5	8.46	2.9	5.3
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS8	9:11	2.8	Bottom	3	1	16.76	8.00	27.08	103.3	8.52	2.7	8.4
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS8	9:10	2.8	Bottom	3	2	16.81	8.00	27.02	100.7	8.30	2.6	7.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS(Mf)9	9:31	1.0	Surface	1	1	16.81	8.02	27.23	102.8	8.46	4.1	7.7
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS(Mf)9	9:31	1.0	Surface	1	2	16.80	8.02	27.23	104.5	8.60	3.8	8.2
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS(Mf)9	9:31	2.5	Bottom	3	1	16.80	8.02	27.25	103.6	8.53	5.0	11.2
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS(Mf)9	9:31	2.5	Bottom	3	2	16.83	8.02	27.23	101.6	8.36	5.3	10.9
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS10(N)	9:04	1.0	Surface	1	1	16.63	8.51	30.97	107.9	8.72	8.5	10.4
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS10(N)	9:05	1.0	Surface	1	2	16.63	8.51	30.97	108.1	8.73	8.6	9.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS10(N)	9:05	5.4	Middle	2	1	16.62	8.51	30.97	107.8	8.71	8.6	9.9
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS10(N)	9:04	5.4	Middle	2	2	16.61	8.51	30.97	107.7	8.70	8.8	10.7
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS10(N)	9:04	9.7	Bottom	3	1	16.61	8.50	30.97	107.6	8.69	9.0	10.9
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	IS10(N)	9:05	9.7	Bottom	3	2	16.62	8.51	30.97	107.8	8.71	9.1	9.6
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR3(N)	10:09	1.0	Surface	1	1	16.95	8.02	27.56	104.8	8.58	3.5	5.8
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR3(N)	10:09	1.0	Surface	1	2	16.95	8.02	27.56	104.8	8.59	3.2	6.4
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR3(N)	10:09	2.7	Bottom	3	1	16.94	8.02	27.59	104.5	8.56	3.3	7.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR3(N)	10:09	2.7	Bottom	3	2	16.95	8.02	27.57	104.7	8.58	3.3	9.0
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR4(N)	9:21	1.0	Surface	1	1	16.76	8.00	27.11	106.9	8.82	3.1	8.4
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR4(N)	9:21	1.0	Surface	1	2	16.75	8.00	27.10	106.6	8.79	3.0	9.5
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR4(N)	9:21	2.8	Bottom	3	1	16.75	8.00	27.12	106.7	8.80	3.3	8.8
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR4(N)	9:20	2.8	Bottom	3	2	16.76	8.00	27.13	106.1	8.75	3.5	8.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR5(N)	9:28	1.0	Surface	1	1	16.60	8.51	30.95	107.9	8.72	6.9	11.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR5(N)	9:28	1.0	Surface	1	2	16.61	8.51	30.95	108.0	8.73	7.0	10.6
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR5(N)	9:28	4.1	Middle	2	1	16.60	8.51	30.96	107.8	8.71	7.9	10.5
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR5(N)	9:27	4.1	Middle	2	2	16.60	8.51	30.96	107.7	8.70	8.0	10.8
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR5(N)	9:28	7.2	Bottom	3	1	16.60	8.51	30.95	107.7	8.70	8.3	16.8
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR5(N)	9:27	7.2	Bottom	3	2	16.60	8.51	30.95	107.7	8.71	8.4	17.5
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10A(N)	8:26	1.0	Surface	1	1	16.50	8.48	31.31	104.1	8.41	3.1	6.7
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10A(N)	8:26	1.0	Surface	1	2	16.50	8.48	31.31	104.1	8.41	3.2	7.4
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10A(N)	8:25	6.9	Middle	2	1	16.49	8.48	31.34	103.8	8.38	3.4	7.9
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10A(N)	8:26	6.9	Middle	2	2	16.50	8.48	31.32	103.8	8.39	3.4	7.3
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10A(N)	8:26	12.7	Bottom	3	1	16.50	8.48	31.32	103.9	8.40	4.4	7.2
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10A(N)	8:25	12.7	Bottom	3	2	16.50	8.48	31.34	103.8	8.39	4.5	8.4
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10B(N2)	8:12	1.0	Surface	1	1	16.50	8.48	31.32	103.9	8.40	3.3	5.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10B(N2)	8:11	1.0	Surface	1	2	16.50	8.48	31.32	103.7	8.38	3.3	6.6
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10B(N2)	8:12	3.6	Middle	2	1	16.50	8.48	31.33	103.7	8.38	3.4	7.0
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10B(N2)	8:11	3.6	Middle	2	2	16.49	8.48	31.34	103.4	8.36	3.3	6.2
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10B(N2)	8:12	6.2	Bottom	3	1	16.50	8.48	31.32	103.6	8.37	4.4	6.3
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	SR10B(N2)	8:11	6.2	Bottom	3	2	16.49	8.48	31.35	103.2	8.34	4.3	7.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS2(A)	10:10	1.0	Surface	1	1	16.51	8.54	31.00	110.7	8.96	9.8	7.3
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS2(A)	10:10	1.0	Surface	1	2	16.47	8.53	31.02	110.3	8.93	9.9	7.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS2(A)	10:10	4.0	Middle	2	1	16.45	8.53	31.03	110.3	8.94	10.1	7.3
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS2(A)	10:10	4.0	Middle	2	2	16.46	8.53	31.03	110.2	8.93	10.0	8.6
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS2(A)	10:10	6.9	Bottom	3	1	16.47	8.53	31.02	110.4	8.94	10.4	9.0
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS2(A)	10:09	6.9	Bottom	3	2	16.46	8.53	31.03	110.2	8.92	10.6	8.2
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS(Mf)5	8:48	1.0	Surface	1	1	16.58	7.99	27.03	103.9	8.61	3.3	7.0
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS(Mf)5	8:48	1.0	Surface	1	2	16.57	7.99	26.99	105.8	8.76	3.2	7.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS(Mf)5	8:48	6.3	Middle	2	1	16.54	7.99	27.28	105.0	8.69	3.9	8.1
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS(Mf)5	8:47	6.3	Middle	2	2	16.55	7.99	27.35	102.2	8.45	4.0	8.5
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS(Mf)5	8:47	11.6	Bottom	3	1	16.55	7.98	27.36	101.2	8.37	3.4	7.5
HKLR	HY/2011/03	2018-02-19	Mid-Flood	Sunny	CS(Mf)5	8:48	11.6	Bottom	3	2	16.54	7.98	27.29	104.6	8.65	3.4	7.4
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS5	15:07	1.0	Surface	1	1	17.75	8.05	27.61	108.3	8.73	4.5	3.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS5	15:08	1.0	Surface	1	2	17.76	8.05	27.58	109.3	8.81	4.5	5.7
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS5	15:07	4.6	Middle	2	1	17.70	8.05	27.73	107.2	8.64	4.6	4.7
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS5	15:08	4.6	Middle	2	2	17.71	8.05	27.71	108.7	8.77	4.6	4.3
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS5	15:07	8.2	Bottom	3	1	17.68	8.05	27.78	105.3	8.49	4.5	4.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS5	15:08	8.2	Bottom	3	2	17.69	8.05	27.73	108.3	8.73	4.5	3.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS(Mf)6	15:19	1.0	Surface	1	1	17.89	8.06	27.36	108.3	8.72	5.4	7.2
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS(Mf)6	15:18	1.0	Surface	1	2	17.90	8.06	27.36	107.5	8.65	5.3	6.1
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS(Mf)6	15:18	2.3	Bottom	3	1	17.90	8.07	27.40	105.3	8.47	5.3	6.3
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS(Mf)6	15:19	2.3	Bottom	3	2	17.89	8.06	27.38	107.6	8.67	5.2	6.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS7	15:28	1.0	Surface	1	1	18.02	8.11	27.17	109.4	8.80	5.3	8.1
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS7	15:29	1.0	Surface	1	2	18.02	8.11	27.19	112.7	9.06	5.3	7.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS7	15:28	2.6	Bottom	3	1	18.02	8.11	27.19	110.5	8.89	5.3	6.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS7	15:28	2.6	Bottom	3	2	18.02	8.11	27.17	106.2	8.54	5.3	7.3
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS8	16:06	1.0	Surface	1	1	17.91	8.09	27.13	109.5	8.83	5.2	6.1
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS8	16:05	1.0	Surface	1	2	17.91	8.09	27.13	107.5	8.66	5.1	5.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS8	16:05	3.1	Bottom	3	1	17.91	8.09	27.15	108.4	8.74	5.2	7.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS8	16:05	3.1	Bottom	3	2	17.91	8.09	27.16	105.0	8.46	5.3	8.7
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS(Mf)9	15:41	1.0	Surface	1	1	17.77	8.11	26.87	107.9	8.73	4.9	6.3
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS(Mf)9	15:42	1.0	Surface	1	2	17.77	8.11	26.92	111.6	9.03	4.8	7.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS(Mf)9	15:42	2.7	Bottom	3	1	17.78	8.11	26.94	110.0	8.90	4.8	9.1
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS(Mf)9	15:41	2.7	Bottom	3	2	17.78	8.11	26.89	105.1	8.51	4.8	8.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS10(N)	16:06	1.0	Surface	1	1	17.47	8.28	29.90	112.8	9.02	5.9	4.3
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS10(N)	16:07	1.0	Surface	1	2	17.44	8.27	30.00	112.2	8.98	5.8	4.2
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS10(N)	16:06	5.4	Middle	2	1	17.41	8.27	30.10	112.5	9.00	6.3	3.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS10(N)	16:07	5.4	Middle	2	2	17.36	8.27	30.29	112.0	8.96	6.2	3.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS10(N)	16:06	9.8	Bottom	3	1	17.46	8.27	30.07	112.7	9.00	6.3	3.5
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	IS10(N)	16:07	9.8	Bottom	3	2	17.38	8.27	30.32	112.4	8.98	6.4	3.1
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR3(N)	14:58	1.0	Surface	1	1	17.92	8.04	26.70	106.3	8.59	4.0	5.5
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR3(N)	14:59	1.0	Surface	1	2	17.93	8.03	26.86	109.2	8.81	4.1	4.3
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR3(N)	14:58	2.7	Bottom	3	1	17.85	8.05	26.57	102.6	8.31	4.2	7.0
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR3(N)	14:59	2.7	Bottom	3	2	17.86	8.03	26.82	107.6	8.70	4.0	6.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR4(N)	15:58	1.0	Surface	1	1	17.60	8.07	26.77	108.9	8.85	5.6	7.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR4(N)	15:57	1.0	Surface	1	2	17.60	8.07	26.76	108.7	8.83	5.6	8.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR4(N)	15:57	2.8	Bottom	3	1	17.60	8.07	26.79	108.1	8.79	5.5	8.0
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR4(N)	15:57	2.8	Bottom	3	2	17.60	8.07	26.79	108.7	8.83	5.7	7.1

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	2018-02-21	Mid-Ebb	Cloudy	SR5(N)	15:55	1.0	Surface	1	1	17.46	8.28	29.97	112.0	8.95	5.6	5.0
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR5(N)	15:54	1.0	Surface	1	2	17.48	8.28	29.90	111.3	8.90	5.7	5.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR5(N)	15:54	4.2	Middle	2	1	17.37	8.27	30.35	110.5	8.89	5.8	4.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR5(N)	15:55	4.2	Middle	2	2	17.39	8.27	30.17	111.6	8.92	5.9	5.4
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR5(N)	15:54	7.3	Bottom	3	1	17.37	8.27	30.35	110.2	8.88	6.1	5.7
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR5(N)	15:55	7.3	Bottom	3	2	17.40	8.27	30.29	111.5	8.91	6.1	5.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10A(N)	16:50	1.0	Surface	1	1	16.93	8.23	31.31	103.2	8.27	3.1	2.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10A(N)	16:50	1.0	Surface	1	2	16.92	8.22	31.33	103.5	8.30	3.2	2.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10A(N)	16:50	7.1	Middle	2	1	16.89	8.22	31.37	103.4	8.29	3.4	2.7
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10A(N)	16:50	7.1	Middle	2	2	16.90	8.23	31.35	102.4	8.21	3.3	2.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10A(N)	16:50	13.1	Bottom	3	1	16.90	8.23	31.37	102.0	8.17	3.6	2.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10A(N)	16:50	13.1	Bottom	3	2	16.91	8.22	31.36	103.4	8.29	3.7	2.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10B(N2)	17:01	1.0	Surface	1	1	16.92	8.22	31.32	104.1	8.34	2.8	3.7
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10B(N2)	17:02	1.0	Surface	1	2	16.91	8.22	31.33	103.7	8.31	2.9	4.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10B(N2)	17:01	3.9	Middle	2	1	16.89	8.22	31.36	103.9	8.33	3.1	4.0
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10B(N2)	17:01	3.9	Middle	2	2	16.89	8.22	31.36	103.6	8.30	3.1	3.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10B(N2)	17:01	6.7	Bottom	3	1	16.89	8.22	31.38	103.7	8.31	3.2	3.3
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	SR10B(N2)	17:01	6.7	Bottom	3	2	16.92	8.22	31.33	104.0	8.34	3.1	3.2
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS2(A)	15:00	1.0	Surface	1	1	16.62	8.27	31.71	106.5	8.56	6.5	5.2
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS2(A)	15:00	1.0	Surface	1	2	16.60	8.28	31.74	105.7	8.46	6.4	5.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS2(A)	15:00	4.0	Middle	2	1	16.54	8.27	31.84	105.2	8.42	6.6	5.5
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS2(A)	15:00	4.0	Middle	2	2	16.54	8.26	31.83	105.5	8.49	6.6	5.6
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS2(A)	15:00	7.0	Bottom	3	1	16.57	8.27	31.80	105.0	8.45	6.7	4.9
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS2(A)	14:59	7.0	Bottom	3	2	16.55	8.28	31.85	104.1	8.38	6.9	4.7
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS(Mf)5	16:33	1.0	Surface	1	1	17.28	8.09	26.85	108.5	8.87	2.5	2.8
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS(Mf)5	16:32	1.0	Surface	1	2	17.28	8.09	26.82	107.3	8.78	2.6	3.3
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS(Mf)5	16:33	6.4	Middle	2	1	17.25	8.09	26.96	106.9	8.74	2.5	5.2
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS(Mf)5	16:32	6.4	Middle	2	2	17.11	8.07	27.12	104.2	8.53	2.5	4.1
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS(Mf)5	16:33	11.8	Bottom	3	1	16.98	8.05	27.37	106.5	8.73	2.7	4.2
HKLR	HY/2011/03	2018-02-21	Mid-Ebb	Cloudy	CS(Mf)5	16:32	11.8	Bottom	3	2	16.98	8.05	27.35	103.9	8.52	2.7	3.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS5	10:32	1.0	Surface	1	1	17.80	8.02	26.78	107.8	8.73	4.4	5.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS5	10:32	1.0	Surface	1	2	17.81	8.03	26.78	105.4	8.53	4.3	6.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS5	10:32	4.2	Middle	2	1	17.80	8.02	26.86	107.2	8.68	4.4	5.1
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS5	10:32	4.2	Middle	2	2	17.80	8.02	26.87	104.2	8.43	4.4	6.4
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS5	10:31	7.4	Bottom	3	1	17.82	8.02	26.87	101.3	8.19	4.4	6.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS5	10:32	7.4	Bottom	3	2	17.80	8.02	26.86	106.2	8.60	4.4	5.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS(Mf)6	10:24	1.0	Surface	1	1	17.81	8.03	26.79	107.7	8.72	4.9	5.2
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS(Mf)6	10:24	1.0	Surface	1	2	17.82	8.03	26.78	105.0	8.50	5.1	6.6
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS(Mf)6	10:24	2.1	Bottom	3	1	17.82	8.03	26.80	106.7	8.63	5.0	7.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS(Mf)6	10:24	2.1	Bottom	3	2	17.86	8.03	26.77	100.6	8.14	5.1	8.6
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS7	10:16	1.0	Surface	1	1	17.96	8.03	26.62	104.0	8.40	5.9	8.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS7	10:16	1.0	Surface	1	2	17.97	8.03	26.61	106.6	8.61	5.8	10.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS7	10:16	2.2	Bottom	3	1	17.96	8.03	26.63	105.0	8.48	5.8	9.2
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS7	10:16	2.2	Bottom	3	2	17.97	8.02	26.63	101.6	8.21	5.7	10.1
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS8	9:50	1.0	Surface	1	1	17.53	8.02	26.04	105.3	8.61	8.7	11.2
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS8	9:50	1.0	Surface	1	2	17.49	8.02	26.02	108.5	8.88	8.5	11.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS8	9:50	3.0	Bottom	3	1	17.52	8.01	26.10	107.3	8.77	8.5	13.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS8	9:50	3.0	Bottom	3	2	17.54	8.02	26.09	103.4	8.45	8.5	12.4
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS(Mf)9	10:08	1.0	Surface	1	1	17.67	8.04	26.34	106.3	8.65	4.6	8.9
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS(Mf)9	10:08	1.0	Surface	1	2	17.67	8.04	26.35	109.2	8.89	4.5	7.1
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS(Mf)9	10:08	2.7	Bottom	3	1	17.69	8.04	26.38	102.2	8.31	4.6	8.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS(Mf)9	10:08	2.7	Bottom	3	2	17.68	8.04	26.40	108.4	8.81	4.5	9.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS10(N)	9:57	1.0	Surface	1	1	17.34	8.24	30.53	106.5	8.50	8.3	10.2
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS10(N)	9:58	1.0	Surface	1	2	17.33	8.24	30.51	106.8	8.53	8.4	9.6
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS10(N)	9:57	5.3	Middle	2	1	17.33	8.24	30.52	105.2	8.41	8.6	12.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS10(N)	9:58	5.3	Middle	2	2	17.34	8.24	30.51	105.6	8.43	8.6	11.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS10(N)	9:58	9.6	Bottom	3	1	17.40	8.23	30.47	104.6	8.35	8.8	11.6
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	IS10(N)	9:57	9.6	Bottom	3	2	17.34	8.25	30.52	103.8	8.29	8.9	11.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR3(N)	10:40	1.0	Surface	1	1	17.81	8.03	26.68	104.5	8.47	4.2	6.1
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR3(N)	10:40	1.0	Surface	1	2	17.81	8.03	26.70	106.3	8.61	4.1	5.2
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR3(N)	10:40	2.4	Bottom	3	1	17.80	8.03	26.71	105.7	8.56	4.2	6.1
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR3(N)	10:39	2.4	Bottom	3	2	17.82	8.03	26.72	102.4	8.29	4.1	5.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR4(N)	9:58	1.0	Surface	1	1	17.42	8.02	26.07	108.1	8.85	4.2	7.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR4(N)	9:58	1.0	Surface	1	2	17.43	8.02	26.09	109.0	8.92	4.2	7.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR4(N)	9:58	2.7	Bottom	3	1	17.43	8.02	26.12	108.5	8.88	4.1	6.3
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR4(N)	9:58	2.7	Bottom	3	2	17.43	8.02	26.16	106.2	8.69	4.1	6.6
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR5(N)	10:10	1.0	Surface	1	1	17.33	8.25	30.51	109.5	8.75	8.3	10.9
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR5(N)	10:11	1.0	Surface	1	2	17.33	8.25	30.51	110.0	8.79	8.3	9.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR5(N)	10:10	4.1	Middle	2	1	17.32	8.24	30.51	109.2	8.72	8.5	12.4
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR5(N)	10:11	4.1	Middle	2	2	17.33	8.25	30.51	109.8	8.77	8.4	11.2
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR5(N)	10:10	7.2	Bottom	3	1	17.33	8.25	30.51	109.0	8.71	8.8	12.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR5(N)	10:11	7.2	Bottom	3	2	17.33	8.25	30.51	109.7	8.76	8.8	12.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10A(N)	9:15	1.0	Surface	1	1	17.06	8.20	30.84	106.6	8.54	3.5	4.3
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10A(N)	9:15	1.0	Surface	1	2	17.06	8.19	30.84	106.5	8.53	3.4	3.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10A(N)	9:15	6.9	Middle	2	1	17.06	8.19	30.87	106.4	8.52	3.6	5.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10A(N)	9:15	6.9	Middle	2	2	17.05	8.19	30.88	106.4	8.53	3.6	6.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10A(N)	9:15	12.8	Bottom	3	1	17.06	8.19	30.86	106.4	8.53	3.7	5.2
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10A(N)	9:15	12.8	Bottom	3	2	17.08	8.19	30.84	106.4	8.52	3.8	5.3
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10B(N2)	9:02	1.0	Surface	1	1	17.07	8.18	30.85	105.7	8.47	4.1	3.3
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10B(N2)	9:02	1.0	Surface	1	2	17.09	8.17	30.79	104.7	8.38	4.2	4.8
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10B(N2)	9:02	3.8	Middle	2	1	17.07	8.16	30.87	103.7	8.31	4.4	3.9
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10B(N2)	9:02	3.8	Middle	2	2	17.06	8.18	30.88	105.3	8.44	4.3	4.3
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10B(N2)	9:02	6.6	Bottom	3	1	17.07	8.18	30.85	105.2	8.42	4.4	3.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	SR10B(N2)	9:02	6.6	Bottom	3	2	17.07	8.15	30.88	102.8	8.24	4.5	3.3

Water Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS2(A)	11:00	1.0	Surface	1	1	17.04	8.26	30.74	110.3	8.85	10.1	4.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS2(A)	11:00	1.0	Surface	1	2	17.04	8.26	30.74	107.8	8.65	10.1	4.1
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS2(A)	11:00	3.9	Middle	2	1	16.91	8.25	30.99	109.3	8.78	10.4	4.4
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS2(A)	11:00	3.9	Middle	2	2	16.88	8.25	31.08	105.7	8.49	10.6	3.5
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS2(A)	11:00	6.8	Bottom	3	1	17.05	8.25	30.84	108.8	8.72	10.9	4.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS2(A)	11:00	6.8	Bottom	3	2	16.88	8.25	31.08	104.4	8.39	10.9	3.6
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS(Mf)5	9:29	1.0	Surface	1	1	17.30	7.96	25.67	107.6	8.86	3.5	5.0
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS(Mf)5	9:28	1.0	Surface	1	2	17.29	7.95	25.71	105.7	8.70	3.4	3.3
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS(Mf)5	9:28	6	Middle	2	1	17.21	7.93	26.05	104.1	8.56	4.3	4.2
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS(Mf)5	9:29	6	Middle	2	2	17.23	7.95	25.99	106.4	8.75	4.2	5.1
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS(Mf)5	9:29	11	Bottom	3	1	17.09	7.93	26.33	105.7	8.70	4.2	5.4
HKLR	HY/2011/03	2018-02-21	Mid-Flood	Cloudy	CS(Mf)5	9:28	11	Bottom	3	2	17.12	7.93	26.28	102.7	8.45	4.3	4.2
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS5	17:21	1.0	Surface	1	1	17.07	8.14	26.80	103.4	8.50	3.4	5.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS5	17:21	1.0	Surface	1	2	17.06	8.14	26.84	102.3	8.40	3.3	5.6
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS5	17:21	4.3	Middle	2	1	17.05	8.14	26.93	102.2	8.40	3.5	8.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS5	17:20	4.3	Middle	2	2	17.04	8.15	26.89	102.6	8.43	3.5	8.2
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS5	17:21	7.6	Bottom	3	1	16.96	8.14	27.05	102.1	8.38	3.7	11.3
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS5	17:20	7.6	Bottom	3	2	16.97	8.15	26.97	102.6	8.42	3.7	11.1
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS(Mf)6	17:31	1.0	Surface	1	1	17.12	8.12	26.50	101.4	8.33	4.7	7.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS(Mf)6	17:30	1.0	Surface	1	2	17.11	8.12	26.47	103.5	8.52	4.8	7.1
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS(Mf)6	17:30	2.1	Bottom	3	1	17.06	8.13	26.48	102.8	8.45	5.4	11.4
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS(Mf)6	17:31	2.1	Bottom	3	2	17.12	8.12	26.53	100.5	8.26	5.5	10.2
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS7	17:40	1.0	Surface	1	1	17.29	8.11	26.14	102.8	8.44	4.8	8.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS7	17:40	1.0	Surface	1	2	17.29	8.11	26.17	101.2	8.30	4.6	9.9
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS7	17:40	2.1	Bottom	3	1	17.29	8.11	26.17	101.0	8.29	4.8	10.0
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS7	17:40	2.1	Bottom	3	2	17.25	8.11	26.17	102.0	8.38	4.6	10.4
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS8	18:10	1.0	Surface	1	1	17.15	8.15	25.94	103.0	8.49	4.3	10.1
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS8	18:10	1.0	Surface	1	2	17.14	8.14	25.91	103.6	8.54	4.4	8.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS8	18:10	3.0	Bottom	3	1	17.14	8.13	25.99	102.7	8.46	5.1	10.9
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS8	18:10	3.0	Bottom	3	2	17.16	8.15	25.97	102.1	8.42	5.2	10.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS(Mf)9	17:49	1.0	Surface	1	1	17.18	8.14	26.02	104.8	8.63	4.3	11.6
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS(Mf)9	17:49	1.0	Surface	1	2	17.19	8.14	26.06	103.9	8.55	4.4	11.8
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS(Mf)9	17:49	2.7	Bottom	3	1	17.19	8.14	26.06	103.8	8.54	4.6	11.3
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS(Mf)9	17:49	2.7	Bottom	3	2	17.14	8.14	26.05	104.1	8.57	4.6	11.3
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS10(N)	18:16	1.0	Surface	1	1	16.97	8.54	30.66	104.1	8.37	4.0	6.3
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS10(N)	18:16	1.0	Surface	1	2	16.97	8.54	30.67	103.5	8.32	4.1	4.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS10(N)	18:16	5.3	Middle	2	1	16.99	8.52	30.85	103.8	8.33	4.3	8.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS10(N)	18:15	5.3	Middle	2	2	16.98	8.51	30.88	103.1	8.27	4.4	7.8
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS10(N)	18:15	9.5	Bottom	3	1	16.97	8.51	30.91	103.5	8.30	4.6	9.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	IS10(N)	18:16	9.5	Bottom	3	2	16.98	8.52	30.83	104.1	8.36	4.5	11.1
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR3(N)	17:09	1.0	Surface	1	1	17.08	8.13	26.58	101.2	8.32	4.6	9.2
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR3(N)	17:10	1.0	Surface	1	2	17.09	8.13	26.60	101.7	8.36	4.4	7.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR3(N)	17:10	2.5	Bottom	3	1	17.08	8.13	26.63	101.2	8.32	4.5	13.2
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR3(N)	17:09	2.5	Bottom	3	2	17.08	8.14	26.55	101.4	8.34	4.6	13.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR4(N)	18:02	1.0	Surface	1	1	17.20	8.08	25.85	101.3	8.35	5.2	11.1
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR4(N)	18:02	1.0	Surface	1	2	17.21	8.08	25.83	100.4	8.27	5.4	12.0
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR4(N)	18:02	2.6	Bottom	3	1	17.16	8.08	25.90	103.8	8.55	6.4	11.1
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR4(N)	18:02	2.6	Bottom	3	2	17.20	8.08	25.86	102.1	8.41	6.3	11.2
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR5(N)	17:59	1.0	Surface	1	1	17.00	8.53	30.71	103.2	8.29	3.1	5.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR5(N)	18:00	1.0	Surface	1	2	16.97	8.54	30.64	104.4	8.39	3.2	6.3
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR5(N)	18:00	4.1	Middle	2	1	16.99	8.51	30.84	102.9	8.26	3.9	6.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR5(N)	17:59	4.1	Middle	2	2	16.98	8.51	30.88	102.1	8.19	3.7	6.3
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR5(N)	17:59	7.1	Bottom	3	1	16.95	8.50	30.95	102.2	8.20	4.0	13.2
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR5(N)	17:59	7.1	Bottom	3	2	16.96	8.50	30.93	103.2	8.28	4.1	11.4
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10A(N)	18:56	1.0	Surface	1	1	16.68	8.48	31.87	98.7	7.92	2.0	1.2
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10A(N)	18:56	1.0	Surface	1	2	16.69	8.48	31.83	99.1	7.95	2.0	1.6
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10A(N)	18:56	6.8	Middle	2	1	16.69	8.48	31.87	98.7	7.92	2.3	3.9
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10A(N)	18:55	6.8	Middle	2	2	16.69	8.48	31.85	99.1	7.95	2.2	2.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10A(N)	18:56	12.5	Bottom	3	1	16.69	8.48	31.86	98.7	7.92	2.5	5.4
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10A(N)	18:55	12.5	Bottom	3	2	16.69	8.48	31.86	99.4	7.97	2.6	4.6
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10B(N2)	19:16	1.0	Surface	1	1	16.69	8.48	31.83	98.7	7.92	3.2	3.8
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10B(N2)	19:16	1.0	Surface	1	2	16.69	8.48	31.83	98.9	7.93	3.2	2.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10B(N2)	19:16	3.8	Middle	2	1	16.69	8.48	31.84	98.6	7.91	3.2	2.9
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10B(N2)	19:16	3.8	Middle	2	2	16.69	8.48	31.84	98.6	7.91	3.1	2.4
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10B(N2)	19:16	6.5	Bottom	3	1	16.69	8.48	31.85	98.5	7.90	3.5	3.6
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	SR10B(N2)	19:16	6.5	Bottom	3	2	16.69	8.48	31.84	98.7	7.92	3.6	3.4
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS2(A)	17:07	1.0	Surface	1	1	16.69	8.47	32.60	107.2	8.56	4.6	5.4
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS2(A)	17:07	1.0	Surface	1	2	16.69	8.48	32.60	107.1	8.56	4.5	5.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS2(A)	17:06	3.8	Middle	2	1	16.69	8.47	32.61	106.9	8.54	5.0	6.6
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS2(A)	17:07	3.8	Middle	2	2	16.69	8.47	32.60	107.0	8.54	4.9	5.4
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS2(A)	17:06	6.5	Bottom	3	1	16.69	8.46	32.61	106.9	8.54	5.1	10.3
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS2(A)	17:07	6.5	Bottom	3	2	16.69	8.47	32.61	107.0	8.54	5.0	9.9
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS(Mf)5	18:41	1.0	Surface	1	1	16.86	8.14	26.28	102.6	8.45	1.6	5.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS(Mf)5	18:42	1.0	Surface	1	2	16.86	8.14	26.30	100.6	8.30	1.5	4.7
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS(Mf)5	18:41	6.0	Middle	2	1	16.71	8.10	26.95	99.8	8.26	1.5	4.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS(Mf)5	18:41	6.0	Middle	2	2	16.72	8.09	26.88	100.4	8.31	1.4	5.6
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS(Mf)5	18:40	11.0	Bottom	3	1	16.68	8.09	27.25	99.0	8.18	1.6	4.5
HKLR	HY/2011/03	2018-02-23	Mid-Ebb	Cloudy	CS(Mf)5	18:41	11.0	Bottom	3	2	16.71	8.10	27.15	99.6	8.22	1.6	4.7
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS5	11:41	1.0	Surface	1	1	17.15	8.01	26.62	99.3	8.15	4.0	5.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS5	11:41	1.0	Surface	1	2	17.15	8.01	26.61	100.8	8.27	4.2	6.1
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS5	11:41	4.4	Middle	2	1	17.15	8.01	26.62	100.0	8.21	4.2	9.3
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS5	11:41	4.4	Middle	2	2	17.14	8.01	26.65	99.2	8.14	4.1	10.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS5	11:40	7.8	Bottom	3	1	17.13	8.01	26.66	99.6	8.17	4.1	11.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS5	11:41	7.8	Bottom	3	2	17.14	8.01	26.68	98.9	8.12	4.2	11.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS(Mf)6	11:32	1.0	Surface	1	1	17.13	8.02	26.37	101.9	8.38	4.5	7.2
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS(Mf)6	11:32	1.0	Surface	1	2	17.14	8.03	26.40	102.6	8.43	4.3	8.7
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS(Mf)6	11:32	2.2	Bottom	3	1	17.13	8.02	26.43	102.6	8.43	4.5	9.2
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS(Mf)6	11:32	2.2	Bottom	3	2	17.12	8.01	26.41	102.2	8.41	4.5	10.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS7	11:24	1.0	Surface	1	1	17.19	7.99	26.35	98.9	8.12	7.4	5.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS7	11:23	1.0	Surface	1	2	17.17	7.99	26.33	100.6	8.27	7.2	4.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS7	11:23	2.2	Bottom	3	1	17.13	8.00	26.33	101.8	8.37	7.2	7.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS7	11:23	2.2	Bottom	3	2	17.15	7.99	26.35	99.4	8.17	7.3	7.1
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS8	10:56	1.0	Surface	1	1	16.99	8.01	25.82	102.0	8.44	7.1	8.1
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS8	10:56	1.0	Surface	1	2	17.00	8.01	25.75	103.2	8.54	7.4	7.9
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS8	10:56	3.1	Bottom	3	1	16.98	8.01	25.80	101.6	8.41	7.4	11.5
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS8	10:55	3.1	Bottom	3	2	16.99	8.01	25.72	102.7	8.50	7.1	10.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS(Mf)9	11:16	1.0	Surface	1	1	17.15	8.01	26.31	99.8	8.21	6.7	10.7
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS(Mf)9	11:15	1.0	Surface	1	2	17.13	8.01	26.26	99.6	8.20	6.6	10.7
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS(Mf)9	11:15	2.7	Bottom	3	1	17.16	8.01	26.31	99.6	8.18	6.6	14.6
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS(Mf)9	11:15	2.7	Bottom	3	2	17.14	8.01	26.31	99.8	8.20	6.7	14.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS10(N)	11:01	1.0	Surface	1	1	17.00	8.51	30.69	100.9	8.11	5.2	8.9
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS10(N)	11:01	1.0	Surface	1	2	16.99	8.51	30.71	101.0	8.11	5.3	9.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS10(N)	11:01	5.4	Middle	2	1	16.97	8.50	30.76	100.7	8.09	5.6	8.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS10(N)	11:01	5.4	Middle	2	2	16.97	8.50	30.77	100.9	8.10	5.7	8.3
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS10(N)	11:01	9.8	Bottom	3	1	16.97	8.50	30.76	101.2	8.13	6.5	14.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	IS10(N)	11:01	9.8	Bottom	3	2	16.98	8.51	30.75	100.7	8.09	6.4	13.6
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR3(N)	11:51	1.0	Surface	1	1	17.15	8.01	26.71	99.8	8.19	3.8	5.6
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR3(N)	11:51	1.0	Surface	1	2	17.14	8.01	26.71	100.8	8.27	4.0	6.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR3(N)	11:50	2.5	Bottom	3	1	17.14	8.01	26.71	100.0	8.20	4.0	6.9
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR3(N)	11:51	2.5	Bottom	3	2	17.14	8.01	26.72	99.5	8.16	3.9	6.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR4(N)	11:03	1.0	Surface	1	1	16.99	8.00	25.95	102.5	8.48	5.8	9.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR4(N)	11:03	1.0	Surface	1	2	16.99	8.01	25.97	102.1	8.44	5.8	9.1
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR4(N)	11:03	2.7	Bottom	3	1	16.99	8.01	25.97	101.3	8.38	6.2	10.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR4(N)	11:03	2.7	Bottom	3	2	16.97	7.99	25.93	101.8	8.41	6.2	10.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR5(N)	11:18	1.0	Surface	1	1	16.99	8.51	30.74	100.3	8.06	5.5	6.9
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR5(N)	11:17	1.0	Surface	1	2	16.98	8.50	30.74	100.4	8.06	5.6	7.7
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR5(N)	11:18	4.1	Middle	2	1	16.97	8.50	30.77	100.1	8.04	5.7	9.1
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR5(N)	11:17	4.1	Middle	2	2	16.97	8.50	30.77	100.1	8.04	5.8	8.9
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR5(N)	11:17	7.2	Bottom	3	1	16.97	8.50	30.77	100.0	8.03	6.0	10.2
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR5(N)	11:17	7.2	Bottom	3	2	16.97	8.50	30.77	100.1	8.04	6.1	11.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10A(N)	10:21	1.0	Surface	1	1	16.65	8.46	31.69	96.9	7.78	3.2	7.9
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10A(N)	10:20	1.0	Surface	1	2	16.65	8.46	31.70	96.9	7.79	3.1	6.1
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10A(N)	10:20	6.8	Middle	2	1	16.65	8.46	31.69	96.6	7.77	3.5	6.6
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10A(N)	10:21	6.8	Middle	2	2	16.64	8.46	31.67	96.7	7.78	3.4	6.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10A(N)	10:20	12.6	Bottom	3	1	16.64	8.46	31.68	96.7	7.77	3.9	9.1
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10A(N)	10:20	12.6	Bottom	3	2	16.65	8.46	31.69	96.6	7.76	4.0	9.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10B(N2)	10:03	1.0	Surface	1	1	16.64	8.45	31.67	96.6	7.76	3.0	3.9
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10B(N2)	10:03	1.0	Surface	1	2	16.64	8.44	31.65	96.5	7.76	3.1	2.1
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10B(N2)	10:02	4.1	Middle	2	1	16.64	8.44	31.72	96.4	7.75	3.8	4.5
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10B(N2)	10:03	4.1	Middle	2	2	16.64	8.44	31.74	96.4	7.75	4.0	4.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10B(N2)	10:03	7.1	Bottom	3	1	16.64	8.44	31.74	96.3	7.74	4.3	4.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	SR10B(N2)	10:02	7.1	Bottom	3	2	16.64	8.44	31.70	96.3	7.74	4.2	4.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS2(A)	12:03	1.0	Surface	1	1	16.61	8.56	31.13	107.7	8.69	5.0	5.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS2(A)	12:02	1.0	Surface	1	2	16.56	8.56	31.24	107.4	8.67	4.9	6.2
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS2(A)	12:02	4.1	Middle	2	1	16.44	8.56	31.66	106.8	8.62	5.5	9.4
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS2(A)	12:02	4.1	Middle	2	2	16.44	8.56	31.70	106.9	8.63	5.4	9.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS2(A)	12:02	7.1	Bottom	3	1	16.47	8.55	31.82	107.3	8.64	5.9	9.2
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS2(A)	12:02	7.1	Bottom	3	2	16.46	8.55	31.85	107.1	8.63	6.0	9.3
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS(Mf)5	10:31	1.0	Surface	1	1	16.97	7.95	25.33	99.8	8.29	1.8	7.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS(Mf)5	10:30	1.0	Surface	1	2	16.99	7.92	25.24	100.0	8.30	1.8	8.0
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS(Mf)5	10:30	6.2	Middle	2	1	16.78	7.87	25.54	98.2	8.17	1.6	7.3
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS(Mf)5	10:31	6.2	Middle	2	2	16.77	7.92	25.63	99.4	8.25	1.6	7.8
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS(Mf)5	10:30	11.4	Bottom	3	1	16.78	7.90	25.88	98.5	8.19	1.8	8.7
HKLR	HY/2011/03	2018-02-23	Mid-Flood	Cloudy	CS(Mf)5	10:29	11.4	Bottom	3	2	16.73	7.87	25.51	99.2	8.26	1.7	8.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS5	10:56	1.0	Surface	1	1	17.48	8.13	31.38	97.0	7.69	5.3	5.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS5	10:56	1.0	Surface	1	2	17.48	8.13	31.38	98.4	7.80	5.5	7.0
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS5	10:56	4.0	Middle	2	1	17.48	8.13	31.39	96.8	7.67	5.5	7.3
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS5	10:55	4.0	Middle	2	2	17.48	8.13	31.39	97.8	7.75	5.5	5.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS5	10:55	7.0	Bottom	3	1	17.48	8.13	31.40	97.5	7.73	5.4	8.2
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS5	10:56	7.0	Bottom	3	2	17.48	8.13	31.38	96.7	7.66	5.7	6.6
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS(Mf)6	10:45	1.0	Surface	1	1	17.48	8.12	31.32	97.0	7.69	5.7	8.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS(Mf)6	10:45	1.0	Surface	1	2	17.48	8.12	31.32	98.4	7.80	5.8	8.2
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS(Mf)6	10:45	2.0	Bottom	3	1	17.48	8.12	31.32	97.6	7.74	5.8	10.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS(Mf)6	10:45	2.0	Bottom	3	2	17.48	8.12	31.33	99.6	7.89	5.8	10.7
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS7	10:35	1.0	Surface	1	1	17.41	8.14	31.03	96.9	7.70	5.2	6.4
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS7	10:35	1.0	Surface	1	2	17.39	8.14	31.02	97.2	7.73	5.2	7.9
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS7	10:35	2.0	Bottom	3	1	17.45	8.13	31.12	97.2	7.72	5.1	6.2
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS7	10:35	2.0	Bottom	3	2	17.48	8.13	31.13	97.8	7.76	5.2	7.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS8	10:05	1.0	Surface	1	1	17.45	8.18	31.09	101.6	8.08	7.7	7.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS8	10:04	1.0	Surface	1	2	17.42	8.19	31.08	102.4	8.15	7.5	7.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS8	10:04	2.8	Bottom	3	1	17.39	8.20	31.06	102.2	8.12	7.4	9.7
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS8	10:05	2.8	Bottom	3	2	17.41	8.19	31.07	101.4	8.05	7.3	8.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS(Mf)9	10:26	1.0	Surface	1	1	17.39	8.17	31.13	100.2	7.97	5.5	5.2
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS(Mf)9	10:26	1.0	Surface	1	2	17.39	8.18	31.12	99.9	7.94	5.4	3.6
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS(Mf)9	10:26	2.5	Bottom	3	1	17.40	8.16	31.17	101.0	8.03	5.5	8.0
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS(Mf)9	10:26	2.5	Bottom	3	2	17.40	8.17	31.16	100.0	7.95	5.6	7.1
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS10(N)	10:02	1.0	Surface	1	1	17.34	7.94	26.54	100.2	8.19	3.0	6.4
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS10(N)	10:03	1.0	Surface	1	2	17.34	7.94	26.53	99.8	8.17	3.1	7.0

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS10(N)	10:02	5.5	Middle	2	1	17.30	7.93	26.73	99.7	8.15	3.2	6.2
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS10(N)	10:02	5.5	Middle	2	2	17.29	7.93	26.82	100.1	8.18	3.1	6.1
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS10(N)	10:02	9.9	Bottom	3	1	17.31	7.94	26.76	99.9	8.17	3.2	8.6
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	IS10(N)	10:02	9.9	Bottom	3	2	17.28	7.93	26.86	100.4	8.21	3.2	8.1
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR3(N)	11:07	1.0	Surface	1	1	17.49	8.14	31.40	98.6	7.81	4.5	5.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR3(N)	11:07	1.0	Surface	1	2	17.49	8.15	31.40	99.6	7.89	4.5	4.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR3(N)	11:07	2.3	Bottom	3	1	17.49	8.14	31.40	99.2	7.86	4.6	5.9
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR3(N)	11:07	2.3	Bottom	3	2	17.48	8.16	31.42	100.9	7.99	4.5	5.4
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR4(N)	10:13	1.0	Surface	1	1	17.52	8.14	30.83	97.4	7.74	5.2	4.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR4(N)	10:13	1.0	Surface	1	2	17.50	8.15	30.89	96.3	7.65	5.2	6.1
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR4(N)	10:13	2.4	Bottom	3	1	17.46	8.15	31.01	98.9	7.85	5.4	8.4
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR4(N)	10:13	2.4	Bottom	3	2	17.48	8.15	30.98	96.6	7.67	5.1	9.2
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR5(N)	10:13	1.0	Surface	1	1	17.33	7.94	26.61	99.2	8.12	3.2	5.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR5(N)	10:14	1.0	Surface	1	2	17.32	7.94	26.65	99.4	8.13	3.1	6.3
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR5(N)	10:14	4.2	Middle	2	1	17.31	7.94	26.79	99.2	8.11	3.1	6.2
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR5(N)	10:13	4.2	Middle	2	2	17.30	7.94	26.83	99.2	8.11	3.3	4.9
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR5(N)	10:14	7.4	Bottom	3	1	17.33	7.94	26.75	99.2	8.11	3.3	9.9
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR5(N)	10:13	7.4	Bottom	3	2	17.29	7.94	26.94	99.1	8.09	3.3	8.9
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10A(N)	9:02	1.0	Surface	1	1	16.88	7.86	27.70	92.6	7.59	1.4	3.7
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10A(N)	9:02	1.0	Surface	1	2	16.87	7.86	27.72	92.5	7.58	1.5	4.4
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10A(N)	9:02	7.0	Middle	2	1	16.86	7.86	28.04	92.4	7.56	1.6	3.7
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10A(N)	9:02	7.0	Middle	2	2	16.86	7.86	27.86	92.4	7.57	1.5	5.0
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10A(N)	9:02	13.0	Bottom	3	1	16.87	7.86	27.90	92.4	7.56	1.6	4.6
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10A(N)	9:02	13.0	Bottom	3	2	16.86	7.85	28.13	92.4	7.55	1.6	4.4
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10B(N2)	8:51	1.0	Surface	1	1	16.86	7.86	27.87	92.8	7.60	1.2	4.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10B(N2)	8:50	1.0	Surface	1	2	16.87	7.85	28.10	94.4	7.72	1.4	6.1
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10B(N2)	8:51	3.9	Middle	2	1	16.86	7.86	28.17	92.7	7.58	1.3	5.9
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10B(N2)	8:50	3.9	Middle	2	2	16.86	7.85	28.59	94.8	7.73	1.4	5.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10B(N2)	8:50	6.8	Bottom	3	1	16.86	7.85	28.74	95.6	7.79	1.5	6.2
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	SR10B(N2)	8:51	6.8	Bottom	3	2	16.86	7.85	28.26	92.6	7.57	1.4	5.5
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS2(A)	11:10	1.0	Surface	1	1	17.48	7.94	26.75	109.1	8.89	2.5	4.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS2(A)	11:09	1.0	Surface	1	2	17.44	7.93	26.75	107.0	8.72	2.5	5.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS2(A)	11:09	3.9	Middle	2	1	17.38	7.92	27.00	107.8	8.79	2.6	7.3
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS2(A)	11:09	3.9	Middle	2	2	17.40	7.93	26.83	105.8	8.63	2.6	7.7
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS2(A)	11:09	6.8	Bottom	3	1	17.42	7.94	26.82	104.8	8.54	2.8	6.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS2(A)	11:09	6.8	Bottom	3	2	17.39	7.92	27.23	107.6	8.76	2.7	6.9
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS(Mf)5	9:36	1.0	Surface	1	1	17.16	8.12	31.34	96.1	7.66	3.2	4.4
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS(Mf)5	9:36	1.0	Surface	1	2	17.02	8.09	31.66	95.1	7.59	3.3	6.0
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS(Mf)5	9:36	5.8	Middle	2	1	16.91	8.08	32.01	94.2	7.52	4.2	5.4
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS(Mf)5	9:35	5.8	Middle	2	2	16.93	8.07	31.99	94.3	7.53	4.1	6.8
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS(Mf)5	9:36	10.6	Bottom	3	1	16.90	8.08	32.04	94.2	7.52	4.6	6.7
HKLR	HY/2011/03	2018-02-26	Mid-Ebb	Cloudy	CS(Mf)5	9:35	10.6	Bottom	3	2	16.90	8.06	32.04	94.0	7.50	4.5	5.1
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS5	14:04	1.0	Surface	1	1	17.58	8.15	31.32	97.2	7.69	6.8	6.7
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS5	14:04	1.0	Surface	1	2	17.64	8.14	31.28	96.6	7.63	6.5	5.4
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS5	14:04	4.4	Middle	2	1	17.54	8.15	31.36	97.0	7.68	6.8	7.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS5	14:04	4.4	Middle	2	2	17.54	8.15	31.36	96.3	7.62	6.6	6.1
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS5	14:04	7.7	Bottom	3	1	17.54	8.15	31.36	96.2	7.62	6.8	9.3
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS5	14:03	7.7	Bottom	3	2	17.54	8.16	31.37	96.9	7.67	6.8	9.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS(Mf)6	14:14	1.0	Surface	1	1	17.83	8.13	31.15	97.5	7.69	9.0	9.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS(Mf)6	14:13	1.0	Surface	1	2	17.81	8.13	31.16	99.2	7.82	9.1	7.4
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS(Mf)6	14:13	2.1	Bottom	3	1	17.78	8.13	31.18	98.2	7.74	9.2	7.6
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS(Mf)6	14:13	2.1	Bottom	3	2	17.77	8.13	31.18	97.2	7.66	9.4	8.6
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS7	14:24	1.0	Surface	1	1	17.81	8.16	31.10	99.2	7.82	6.7	5.8
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS7	14:24	1.0	Surface	1	2	17.80	8.16	31.10	99.5	7.85	6.7	4.8
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS7	14:24	2.1	Bottom	3	1	17.80	8.16	31.10	99.3	7.84	6.7	6.4
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS7	14:24	2.1	Bottom	3	2	17.78	8.16	31.11	99.7	7.87	6.9	7.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS8	14:52	1.0	Surface	1	1	17.54	8.23	31.03	102.1	8.10	8.5	14.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS8	14:52	1.0	Surface	1	2	17.55	8.23	31.03	102.3	8.12	8.5	14.4
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS8	14:52	3.2	Bottom	3	1	17.54	8.23	31.03	101.9	8.08	8.6	16.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS8	14:52	3.2	Bottom	3	2	17.53	8.23	31.03	102.0	8.09	8.6	16.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS(Mf)9	14:33	1.0	Surface	1	1	17.72	8.18	31.14	99.3	7.85	7.1	7.6
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS(Mf)9	14:33	1.0	Surface	1	2	17.69	8.18	31.15	99.4	7.85	7.2	6.3
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS(Mf)9	14:33	2.8	Bottom	3	1	17.63	8.17	31.17	99.3	7.85	7.3	7.2
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS(Mf)9	14:33	2.8	Bottom	3	2	17.60	8.17	31.18	99.8	7.90	7.2	7.3
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS10(N)	14:42	1.0	Surface	1	1	17.54	7.95	27.14	106.5	8.64	2.3	3.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS10(N)	14:43	1.0	Surface	1	2	17.50	7.96	27.24	106.1	8.62	2.2	4.9
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS10(N)	14:42	5.5	Middle	2	1	17.42	7.94	27.38	106.4	8.64	2.3	6.7
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS10(N)	14:43	5.5	Middle	2	2	17.42	7.95	27.42	105.9	8.61	2.2	5.3
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS10(N)	14:42	10.0	Bottom	3	1	17.44	7.94	27.42	107.2	8.71	2.4	6.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	IS10(N)	14:43	10.0	Bottom	3	2	17.47	7.95	27.37	106.3	8.63	2.3	7.2
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR3(N)	13:54	1.0	Surface	1	1	17.67	8.20	31.32	98.9	7.81	7.5	6.9
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR3(N)	13:54	1.0	Surface	1	2	17.63	8.18	31.38	99.0	7.82	7.4	7.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR3(N)	13:54	2.4	Bottom	3	1	17.54	8.22	31.40	97.6	7.72	7.5	8.2
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR3(N)	13:54	2.4	Bottom	3	2	17.56	8.19	31.37	98.8	7.82	7.2	9.3
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR4(N)	14:46	1.0	Surface	1	1	17.57	8.21	31.04	100.4	7.96	8.5	8.4
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR4(N)	14:46	1.0	Surface	1	2	17.53	8.21	31.03	100.8	7.99	8.7	7.8
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR4(N)	14:46	2.6	Bottom	3	1	17.48	8.21	31.04	101.0	8.02	8.8	9.9
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR4(N)	14:46	2.6	Bottom	3	2	17.53	8.21	31.02	100.4	7.96	8.6	9.4
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR5(N)	14:29	1.0	Surface	1	1	17.62	7.94	26.93	104.4	8.47	2.1	5.9
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR5(N)	14:30	1.0	Surface	1	2	17.69	7.94	26.88	106.8	8.66	2.1	4.7
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR5(N)	14:29	4.3	Middle	2	1	17.61	7.94	27.04	105.6	8.57	2.2	6.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR5(N)	14:29	4.3	Middle	2	2	17.48	7.93	27.17	103.0	8.37	2.2	6.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR5(N)	14:29	7.5	Bottom	3	1	17.43	7.93	27.23	102.3	8.32	2.3	5.2
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR5(N)	14:29	7.5	Bottom	3	2	17.57	7.93	27.12	105.1	8.53	2.3	5.0

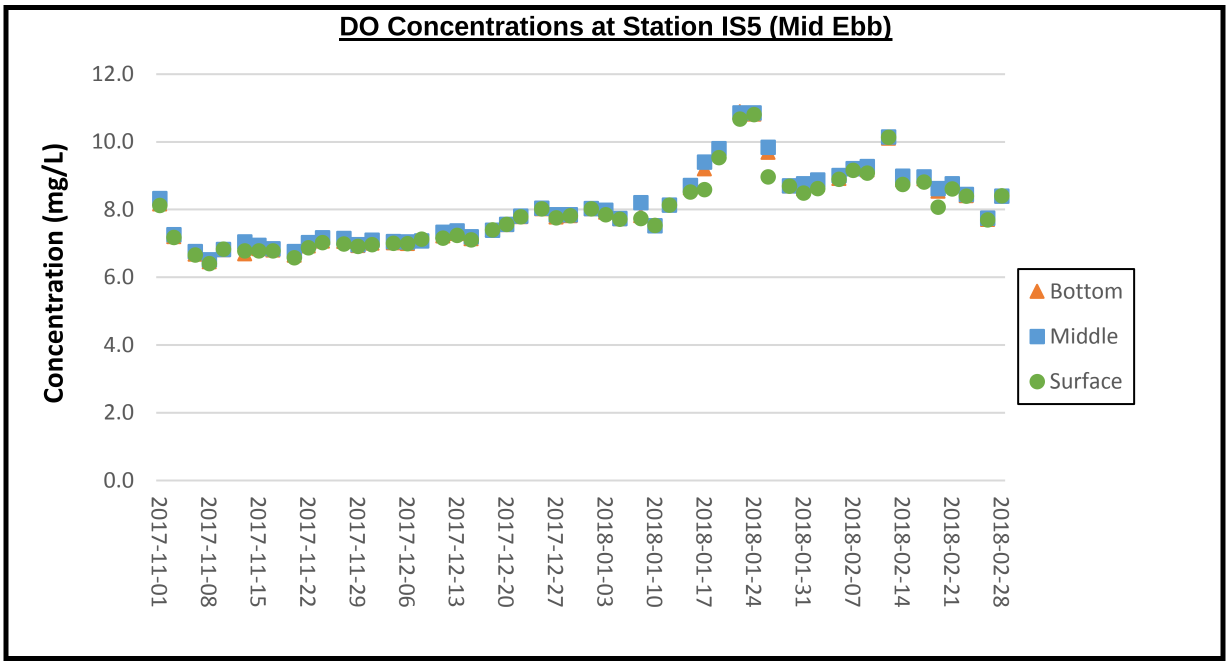
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10A(N)	15:39	1.0	Surface	1	1	17.01	7.91	27.32	96.8	7.93	1.1	6.2
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10A(N)	15:40	1.0	Surface	1	2	17.00	7.90	27.41	96.4	7.89	1.1	4.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10A(N)	15:39	7	Middle	2	1	16.98	7.90	27.38	96.8	7.94	1.2	5.8
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10A(N)	15:40	7	Middle	2	2	16.97	7.90	27.50	96.4	7.89	1.2	5.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10A(N)	15:39	13	Bottom	3	1	16.94	7.90	27.48	96.9	7.95	1.3	5.7
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10A(N)	15:39	13	Bottom	3	2	17.00	7.90	27.43	96.6	7.91	1.2	5.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10B(N2)	15:52	1.0	Surface	1	1	16.98	7.90	27.54	95.7	7.84	1.2	4.1
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10B(N2)	15:52	1.0	Surface	1	2	16.96	7.90	27.54	95.9	7.86	1.3	4.9
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10B(N2)	15:52	4	Middle	2	1	16.95	7.90	27.64	95.7	7.84	1.3	4.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10B(N2)	15:52	4	Middle	2	2	16.94	7.90	27.62	96.0	7.86	1.3	4.7
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10B(N2)	15:52	6.9	Bottom	3	1	16.94	7.91	27.64	96.2	7.88	1.4	7.9
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	SR10B(N2)	15:52	6.9	Bottom	3	2	16.99	7.90	27.58	95.8	7.84	1.4	7.2
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS2(A)	13:40	1.0	Surface	1	1	17.59	7.91	27.19	108.8	8.83	2.6	6.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS2(A)	13:39	1.0	Surface	1	2	17.52	7.88	27.09	107.9	8.74	2.5	6.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS2(A)	13:39	4.0	Middle	2	1	17.33	7.86	27.53	106.4	8.65	2.7	5.7
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS2(A)	13:39	4.0	Middle	2	2	17.47	7.90	27.30	107.3	8.72	2.7	6.3
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS2(A)	13:39	7.0	Bottom	3	1	17.58	7.90	27.14	106.0	8.60	2.8	8.4
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS2(A)	13:39	7.0	Bottom	3	2	17.29	7.84	28.02	106.5	8.66	2.9	7.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS(Mf)5	15:20	1.0	Surface	1	1	17.44	8.19	31.52	97.1	7.69	3.5	5.6
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS(Mf)5	15:21	1.0	Surface	1	2	17.34	8.18	31.62	96.1	7.63	3.5	5.5
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS(Mf)5	15:21	6.2	Middle	2	1	16.94	8.15	32.03	95.4	7.61	3.9	5.7
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS(Mf)5	15:20	6.2	Middle	2	2	16.94	8.16	32.04	96.2	7.67	3.8	5.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS(Mf)5	15:20	11.3	Bottom	3	1	16.89	8.16	32.08	95.4	7.61	4.1	4.0
HKLR	HY/2011/03	2018-02-26	Mid-Flood	Cloudy	CS(Mf)5	15:21	11.3	Bottom	3	2	16.92	8.15	32.06	94.8	7.56	4.4	4.7
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS5	13:12	1.0	Surface	1	1	18.08	7.96	27.35	104.8	8.41	3.9	6.0
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS5	13:13	1.0	Surface	1	2	18.08	7.97	27.35	104.7	8.40	4.0	5.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS5	13:13	4.1	Middle	2	1	18.05	7.97	27.38	104.6	8.39	4.1	6.7
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS5	13:12	4.1	Middle	2	2	18.04	7.97	27.37	104.7	8.41	4.0	5.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS5	13:12	7.2	Bottom	3	1	18.06	7.97	27.36	104.7	8.40	4.0	10.4
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS5	13:12	7.2	Bottom	3	2	18.04	7.97	27.38	104.9	8.42	4.0	9.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS(Mf)6	13:02	1.0	Surface	1	1	18.12	7.87	27.25	98.1	7.87	6.2	6.0
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS(Mf)6	13:02	1.0	Surface	1	2	18.12	7.87	27.25	98.1	7.87	6.3	5.7
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS(Mf)6	13:02	2.3	Bottom	3	1	18.12	7.87	27.26	98.1	7.87	6.6	10.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS(Mf)6	13:02	2.3	Bottom	3	2	18.12	7.87	27.26	98.2	7.88	6.7	8.7
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS7	12:54	1.0	Surface	1	1	18.19	7.86	27.15	98.6	7.91	3.9	4.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS7	12:54	1.0	Surface	1	2	18.11	7.86	27.17	98.7	7.92	3.8	4.3
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS7	12:54	2.2	Bottom	3	1	18.15	7.86	27.15	98.6	7.91	3.9	4.6
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS7	12:54	2.2	Bottom	3	2	18.32	7.86	27.10	98.5	7.88	4.0	4.8
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS8	12:28	1.0	Surface	1	1	18.15	7.80	26.70	98.9	7.96	4.5	4.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS8	12:28	1.0	Surface	1	2	18.16	7.79	26.69	98.9	7.96	4.5	4.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS8	12:28	3.1	Bottom	3	1	18.14	7.79	26.68	98.8	7.95	4.6	5.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS8	12:28	3.1	Bottom	3	2	18.04	7.79	26.67	98.5	7.94	4.7	5.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS(Mf)9	12:46	1.0	Surface	1	1	18.28	7.82	27.18	99.2	7.94	4.8	5.6
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS(Mf)9	12:46	1.0	Surface	1	2	18.32	7.82	27.16	99.4	7.95	4.7	5.3
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS(Mf)9	12:46	2.4	Bottom	3	1	18.34	7.82	27.14	99.4	7.95	4.8	6.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS(Mf)9	12:46	2.4	Bottom	3	2	18.01	7.83	27.22	98.6	7.93	4.9	5.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS10(N)	12:16	1.0	Surface	1	1	17.98	8.28	30.66	102.6	8.09	4.1	6.8
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS10(N)	12:16	1.0	Surface	1	2	17.84	8.27	30.81	103.6	8.18	4.2	5.8
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS10(N)	12:16	5.5	Middle	2	1	17.72	8.27	30.87	101.1	8.00	4.2	6.7
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS10(N)	12:16	5.5	Middle	2	2	17.78	8.26	31.19	102.8	8.11	4.3	5.3
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS10(N)	12:16	9.9	Bottom	3	1	17.69	8.28	31.15	99.7	7.88	4.4	6.0
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	IS10(N)	12:16	9.9	Bottom	3	2	18.14	8.27	30.76	102.7	8.06	4.5	5.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR3(N)	13:23	1.0	Surface	1	1	18.09	7.97	27.33	104.4	8.38	4.5	5.0
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR3(N)	13:24	1.0	Surface	1	2	18.08	7.97	27.33	104.3	8.37	4.4	4.6
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR3(N)	13:24	2.2	Bottom	3	1	18.09	7.97	27.34	104.5	8.38	4.4	6.4
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR3(N)	13:23	2.2	Bottom	3	2	18.10	7.97	27.33	104.5	8.38	4.5	7.1
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR4(N)	12:35	1.0	Surface	1	1	18.41	7.83	26.98	95.8	7.65	5.4	6.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR4(N)	12:35	1.0	Surface	1	2	18.16	7.84	27.03	95.4	7.66	5.3	5.1
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR4(N)	12:35	2.5	Bottom	3	1	18.26	7.84	27.01	95.6	7.66	5.4	5.0
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR4(N)	12:35	2.5	Bottom	3	2	18.47	7.83	26.99	96.0	7.66	5.4	5.8
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR5(N)	12:27	1.0	Surface	1	1	17.77	8.25	30.83	104.3	8.24	4.2	4.7
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR5(N)	12:27	1.0	Surface	1	2	17.88	8.26	30.67	104.3	8.24	4.3	5.9
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR5(N)	12:27	4.3	Middle	2	1	17.69	8.25	31.13	103.7	8.20	4.5	5.1
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR5(N)	12:27	4.3	Middle	2	2	17.69	8.25	31.12	104.0	8.22	4.5	5.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR5(N)	12:27	7.6	Bottom	3	1	17.77	8.25	31.21	103.9	8.19	4.6	5.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR5(N)	12:27	7.6	Bottom	3	2	17.83	8.26	31.03	103.8	8.18	4.7	4.1
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10A(N)	11:15	1.0	Surface	1	1	17.21	8.14	31.96	93.7	7.44	1.4	2.6
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10A(N)	11:14	1.0	Surface	1	2	17.21	8.14	31.97	93.8	7.45	1.4	3.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10A(N)	11:14	7.0	Middle	2	1	17.21	8.14	31.96	93.6	7.43	1.6	4.4
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10A(N)	11:14	7.0	Middle	2	2	17.20	8.14	31.97	93.6	7.43	1.7	3.9
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10A(N)	11:14	13.0	Bottom	3	1	17.21	8.14	31.96	93.7	7.44	1.8	3.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10A(N)	11:14	13.0	Bottom	3	2	17.21	8.14	31.96	93.6	7.43	1.7	3.0
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10B(N2)	11:02	1.0	Surface	1	1	17.20	8.13	31.97	93.6	7.43	2.2	3.7
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10B(N2)	11:02	1.0	Surface	1	2	17.21	8.12	31.97	93.7	7.44	2.3	4.1
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10B(N2)	11:02	3.9	Middle	2	1	17.20	8.12	31.98	93.5	7.42	2.4	3.9
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10B(N2)	11:02	3.9	Middle	2	2	17.21	8.13	31.96	93.7	7.44	2.4	3.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10B(N2)	11:02	6.7	Bottom	3	1	17.24	8.13	31.97	93.8	7.44	2.5	3.6
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	SR10B(N2)	11:02	6.7	Bottom	3	2	17.20	8.11	31.98	93.4	7.42	2.6	4.1
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS2(A)	13:26	1.0	Surface	1	1	17.84	8.31	31.24	115.2	9.07	3.4	5.9
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS2(A)	13:26	1.0	Surface	1	2	17.79	8.32	31.26	112.4	8.86	3.3	5.4
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS2(A)	13:26	4.0	Middle	2	1	17.73	8.31	31.36	114.5	9.03	3.6	5.3
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS2(A)	13:26	4.0	Middle	2	2	17.65	8.30	31.46	111.4	8.80	3.5	5.3
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS2(A)	13:26	6.9	Bottom	3	1	17.98	8.32	31.17	114.0	8.96	3.7	7.3
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS2(A)	13:26	6.9	Bottom	3	2	17.67	8.30	31.47	111.2	8.78	3.7	7.7

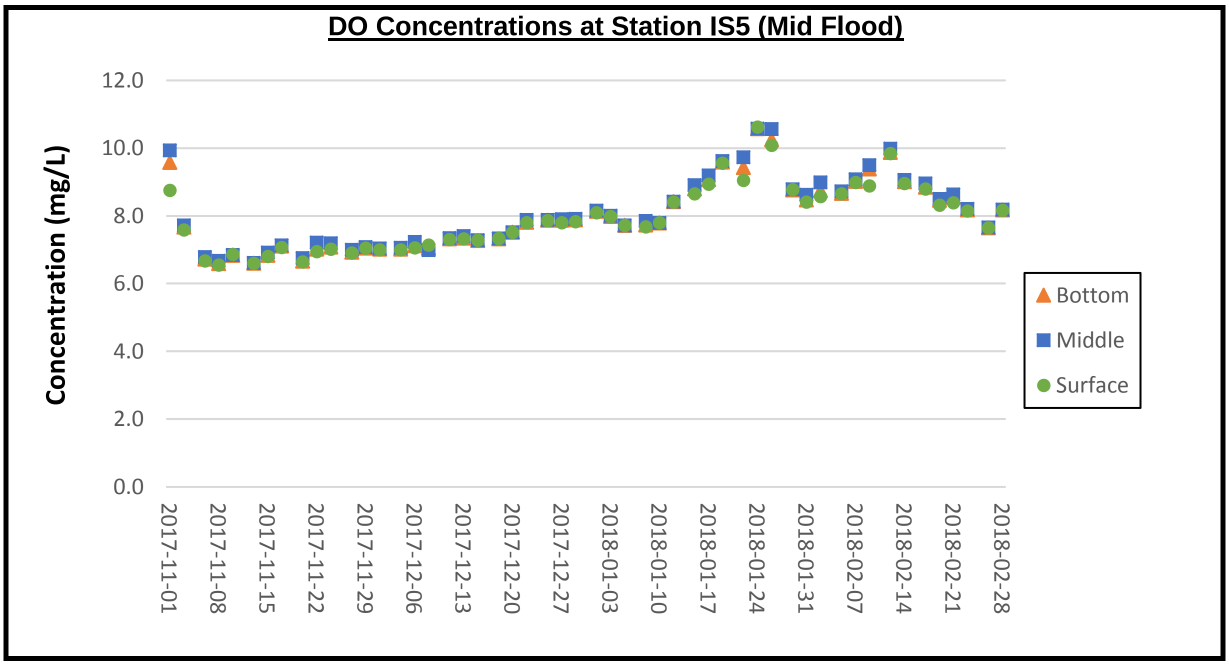
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS(Mf)5	12:00	1.0	Surface	1	1	17.64	7.82	26.37	101.1	8.23	2.8	3.2
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS(Mf)5	12:01	1.0	Surface	1	2	17.89	7.84	26.39	101.8	8.25	2.7	2.7
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS(Mf)5	12:00	6.1	Middle	2	1	17.55	7.81	26.40	100.8	8.22	2.8	3.4
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS(Mf)5	12:01	6.1	Middle	2	2	17.56	7.82	26.42	101.3	8.26	2.7	3.5
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS(Mf)5	12:00	11.2	Bottom	3	1	17.52	7.81	26.46	100.9	8.23	2.9	4.0
HKLR	HY/2011/03	2018-02-28	Mid-Ebb	Sunny	CS(Mf)5	12:00	11.2	Bottom	3	2	17.57	7.82	26.44	101.4	8.27	2.8	2.6
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS5	16:05	1.0	Surface	1	1	18.95	7.94	26.85	103.5	8.19	3.8	4.4
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS5	16:05	1.0	Surface	1	2	18.92	7.94	26.86	103.4	8.19	3.8	5.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS5	16:05	4.2	Middle	2	1	18.93	7.94	26.91	103.3	8.18	3.8	4.9
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS5	16:05	4.2	Middle	2	2	18.80	7.94	26.94	103.1	8.18	3.9	5.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS5	16:05	7.3	Bottom	3	1	18.79	7.95	26.90	102.9	8.17	4.0	4.9
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS5	16:05	7.3	Bottom	3	2	18.82	7.95	26.86	102.9	8.17	3.9	5.2
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS(Mf)6	16:14	1.0	Surface	1	1	18.58	7.93	26.84	100.0	7.97	5.0	3.7
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS(Mf)6	16:14	1.0	Surface	1	2	18.56	7.93	26.84	99.7	7.95	4.9	3.9
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS(Mf)6	16:14	2.3	Bottom	3	1	18.69	7.94	26.81	99.4	7.91	5.1	4.2
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS(Mf)6	16:14	2.3	Bottom	3	2	18.49	7.93	26.86	99.7	7.96	5.2	4.5
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS7	16:22	1.0	Surface	1	1	18.68	7.92	26.75	99.1	7.89	4.7	4.2
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS7	16:23	1.0	Surface	1	2	18.47	7.91	26.81	99.3	7.93	4.7	5.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS7	16:22	2.4	Bottom	3	1	18.26	7.92	26.79	98.5	7.90	4.9	3.9
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS7	16:23	2.4	Bottom	3	2	18.32	7.92	26.76	98.6	7.90	4.9	3.6
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS8	16:52	1.0	Surface	1	1	18.52	7.94	26.68	100.4	8.02	11.7	11.9
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS8	16:52	1.0	Surface	1	2	18.45	7.93	26.69	100.3	8.02	11.6	12.2
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS8	16:52	3.3	Bottom	3	1	18.50	7.93	26.70	100.3	8.01	11.9	10.8
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS8	16:51	3.3	Bottom	3	2	18.46	7.93	26.67	100.4	8.03	11.8	11.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS(Mf)9	16:33	1.0	Surface	1	1	18.20	7.92	26.78	99.6	8.00	7.2	8.4
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS(Mf)9	16:33	1.0	Surface	1	2	18.24	7.92	26.74	99.4	7.98	7.1	8.1
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS(Mf)9	16:33	2.6	Bottom	3	1	18.16	7.92	26.76	99.3	7.98	7.4	8.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS(Mf)9	16:33	2.6	Bottom	3	2	18.26	7.92	26.72	99.4	7.98	7.3	9.6
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS10(N)	16:49	1.0	Surface	1	1	18.10	8.29	30.44	110.4	8.70	3.3	4.6
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS10(N)	16:49	1.0	Surface	1	2	18.17	8.27	30.27	110.9	8.73	3.2	5.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS10(N)	16:48	5.5	Middle	2	1	18.10	8.29	30.43	110.4	8.69	3.3	4.2
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS10(N)	16:49	5.5	Middle	2	2	18.06	8.30	30.68	110.3	8.68	3.4	3.6
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS10(N)	16:48	10.0	Bottom	3	1	18.13	8.28	30.44	110.2	8.67	3.5	4.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	IS10(N)	16:49	10.0	Bottom	3	2	18.12	8.28	30.59	110.5	8.69	3.6	4.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR3(N)	15:56	1.0	Surface	1	1	18.29	7.95	26.73	108.7	8.72	4.7	5.2
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR3(N)	15:56	1.0	Surface	1	2	18.22	7.96	26.75	109.3	8.78	3.8	6.2
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR3(N)	15:56	2.3	Bottom	3	1	18.29	7.95	26.66	108.1	8.68	3.8	5.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR3(N)	15:56	2.3	Bottom	3	2	18.35	7.95	26.67	109.0	8.74	3.8	6.7
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR4(N)	16:46	1.0	Surface	1	1	18.74	7.93	26.67	100.5	8.00	5.4	7.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR4(N)	16:46	1.0	Surface	1	2	18.73	7.92	26.67	100.5	8.00	5.4	7.8
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR4(N)	16:46	2.6	Bottom	3	1	18.74	7.93	26.67	100.5	8.00	5.4	8.7
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR4(N)	16:46	2.6	Bottom	3	2	18.76	7.93	26.66	100.7	8.01	5.5	8.5
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR5(N)	16:37	1.0	Surface	1	1	18.15	8.28	30.30	107.7	8.48	4.2	6.4
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR5(N)	16:37	1.0	Surface	1	2	18.16	8.27	30.27	109.7	8.63	4.3	5.4
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR5(N)	16:37	4.4	Middle	2	1	18.12	8.29	30.36	108.8	8.57	4.4	6.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR5(N)	16:36	4.4	Middle	2	2	18.08	8.31	30.54	106.1	8.35	4.4	5.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR5(N)	16:37	7.7	Bottom	3	1	18.14	8.28	30.36	108.2	8.52	4.5	6.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR5(N)	16:36	7.7	Bottom	3	2	18.06	8.31	30.77	105.0	8.26	4.6	5.1
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10A(N)	17:41	1.0	Surface	1	1	17.38	8.18	31.99	95.7	7.57	1.5	4.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10A(N)	17:42	1.0	Surface	1	2	17.37	8.17	31.99	95.6	7.56	1.7	3.7
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10A(N)	17:41	7.1	Middle	2	1	17.36	8.18	31.99	95.7	7.57	1.7	3.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10A(N)	17:41	7.1	Middle	2	2	17.36	8.17	31.99	95.4	7.55	1.8	3.7
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10A(N)	17:41	13.2	Bottom	3	1	17.35	8.19	31.99	96.0	7.59	1.9	3.4
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10A(N)	17:41	13.2	Bottom	3	2	17.39	8.18	31.97	95.6	7.56	1.9	3.8
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10B(N2)	17:52	1.0	Surface	1	1	17.37	8.16	31.99	96.0	7.60	1.3	3.7
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10B(N2)	17:52	1.0	Surface	1	2	17.37	8.16	31.98	95.5	7.56	1.3	3.8
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10B(N2)	17:52	4	Middle	2	1	17.37	8.16	31.97	96.1	7.61	1.4	3.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10B(N2)	17:52	4	Middle	2	2	17.36	8.16	31.99	95.6	7.56	1.5	3.6
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10B(N2)	17:52	6.9	Bottom	3	1	17.44	8.16	31.92	96.3	7.61	1.6	3.2
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	SR10B(N2)	17:52	6.9	Bottom	3	2	17.39	8.16	31.97	95.7	7.57	1.7	3.8
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS2(A)	15:47	1.0	Surface	1	1	18.34	8.34	30.51	119.8	9.38	5.3	4.4
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS2(A)	15:47	1.0	Surface	1	2	19.17	8.35	29.84	121.7	9.42	5.4	5.8
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS2(A)	15:47	4.1	Middle	2	1	17.81	8.31	31.17	118.5	9.29	5.5	7.0
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS2(A)	15:47	4.1	Middle	2	2	18.06	8.32	30.84	120.0	9.44	5.7	6.1
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS2(A)	15:47	7.1	Bottom	3	1	17.88	8.31	31.16	118.4	9.29	5.7	6.1
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS2(A)	15:47	7.1	Bottom	3	2	18.33	8.34	30.64	119.5	9.36	5.7	6.1
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS(Mf)5	17:20	1.0	Surface	1	1	18.27	7.99	26.70	107.4	8.62	2.4	4.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS(Mf)5	17:21	1.0	Surface	1	2	18.28	8.00	26.67	107.1	8.60	2.5	3.6
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS(Mf)5	17:20	6.2	Middle	2	1	18.02	7.97	26.97	105.6	8.50	2.5	5.3
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS(Mf)5	17:21	6.2	Middle	2	2	18.02	7.97	26.98	105.0	8.46	2.6	4.8
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS(Mf)5	17:20	11.4	Bottom	3	1	17.64	7.96	27.17	105.3	8.53	2.6	4.8
HKLR	HY/2011/03	2018-02-28	Mid-Flood	Sunny	CS(Mf)5	17:20	11.4	Bottom	3	2	17.88	7.97	27.04	106.1	8.56	2.7	4.8

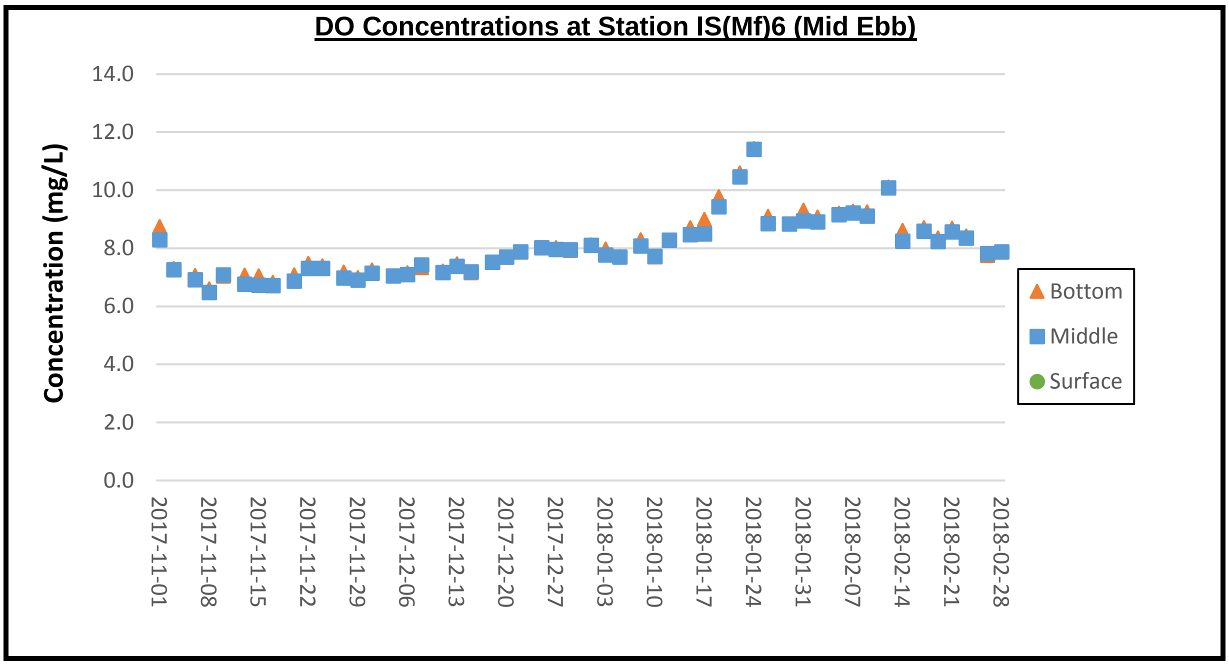
Remarks:

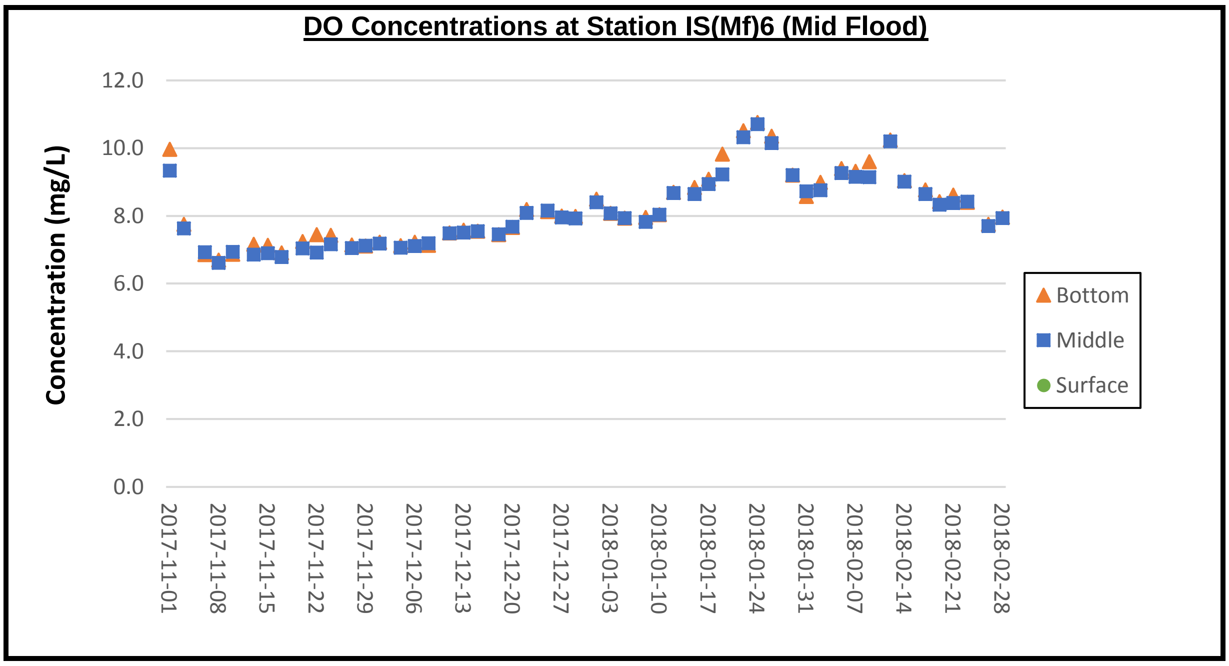
1) Fishing activity was observed near station SR4(N) on 2 February 2018. Due to blockage of access to the station SR4(N) by a fishing net, the water quality monitoring at stationSR4(N) was temporarily conducted at coordinate: 814620E, 818016N during mid ebb tide on 2 February 2018.

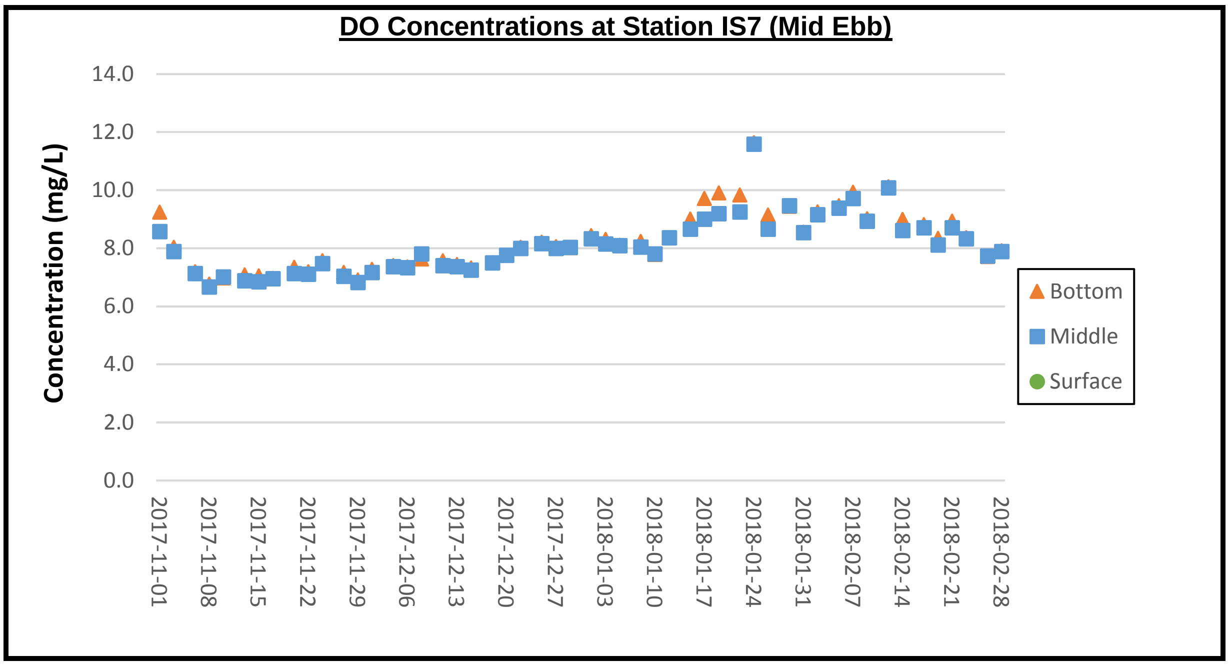
2) Water quality monitoring was not conducted at station CS2(A) during mid ebb and mid flood tide on 8 January 2018 due to rough sea condition and safety concern. Substitute monitoring was not conducted on 9 January 2018 at station CS2(A) due to roughsea condition and safety concern.


DO Concentrations at Station IS5 (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station IS5 (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


DO Concentrations at Station IS(Mf)6 (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


DO Concentrations at Station IS7 (Mid Ebb)
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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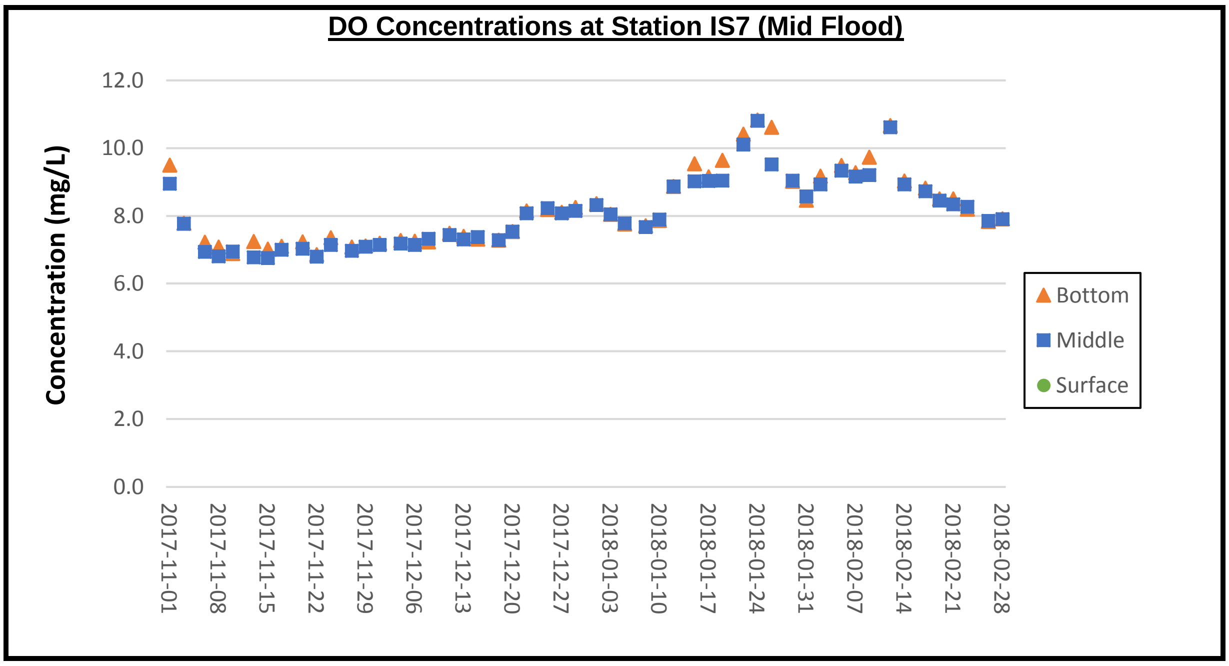
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station IS7 (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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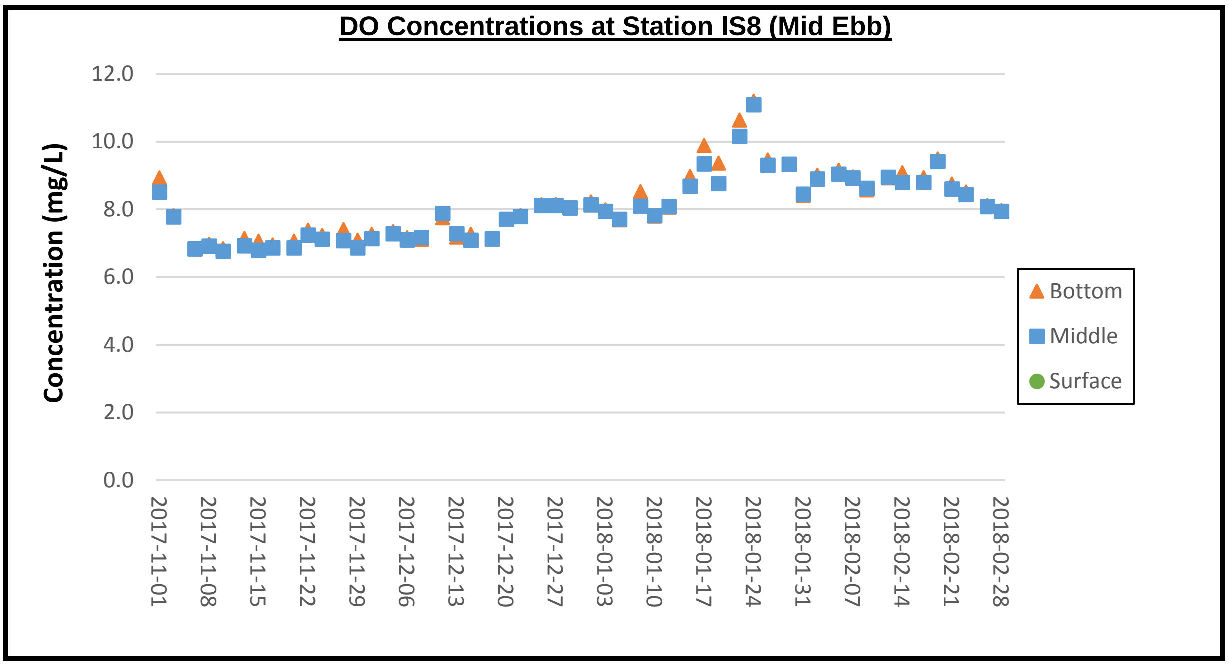
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station IS8 (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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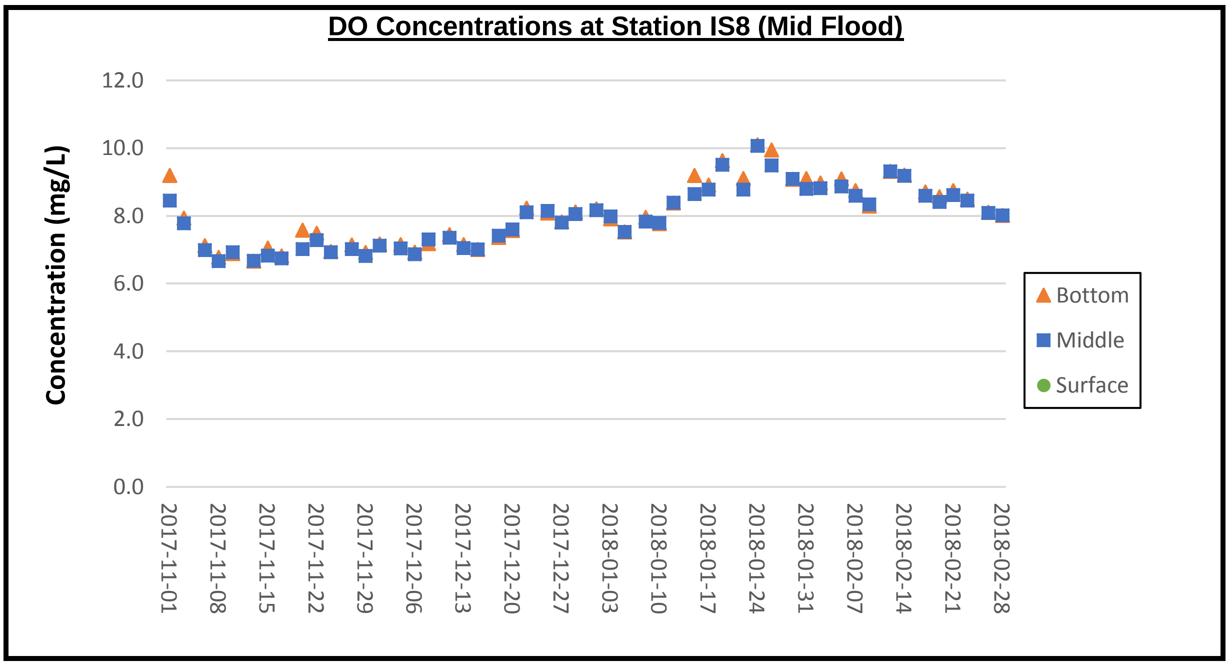
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station IS8 (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
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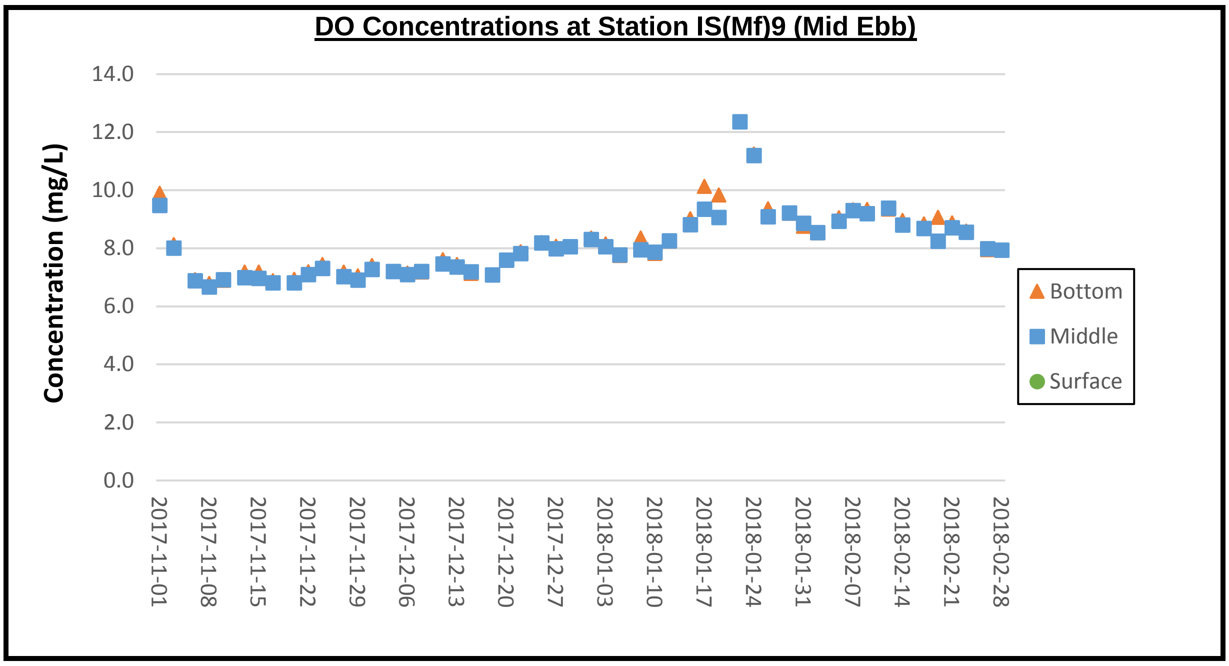
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface



DO Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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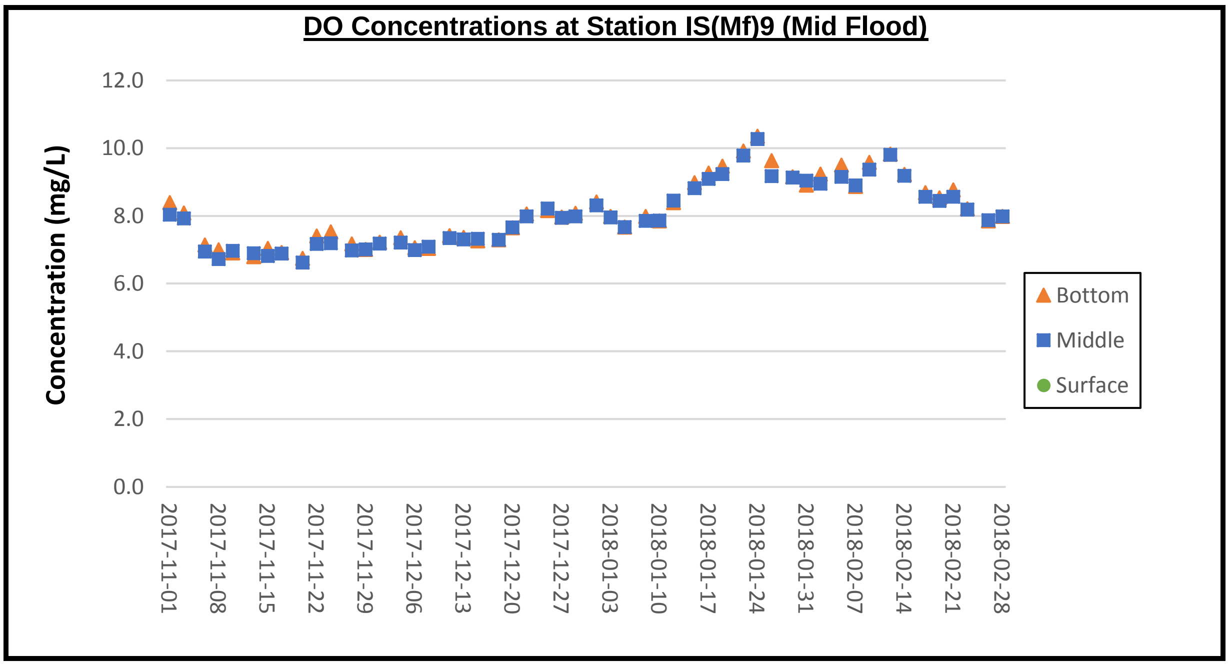
2018-02-21
2018-02-28
Bottom
Middle
Surface



DO Concentrations at Station IS(Mf)9 (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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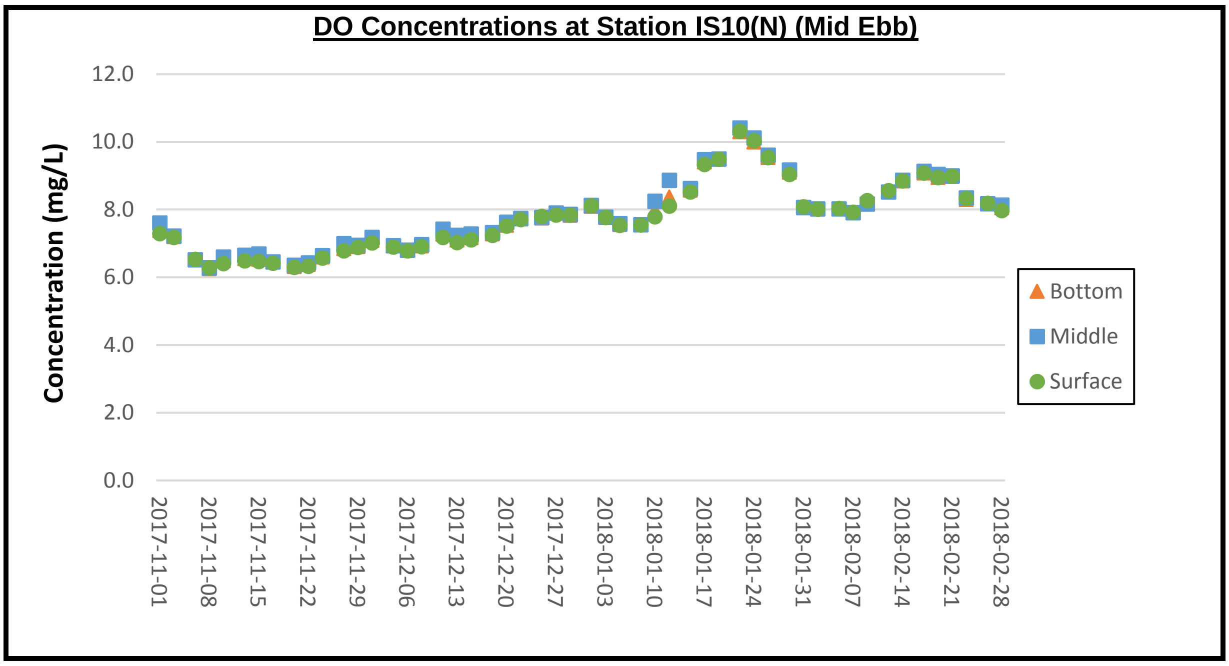
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station IS10(N) (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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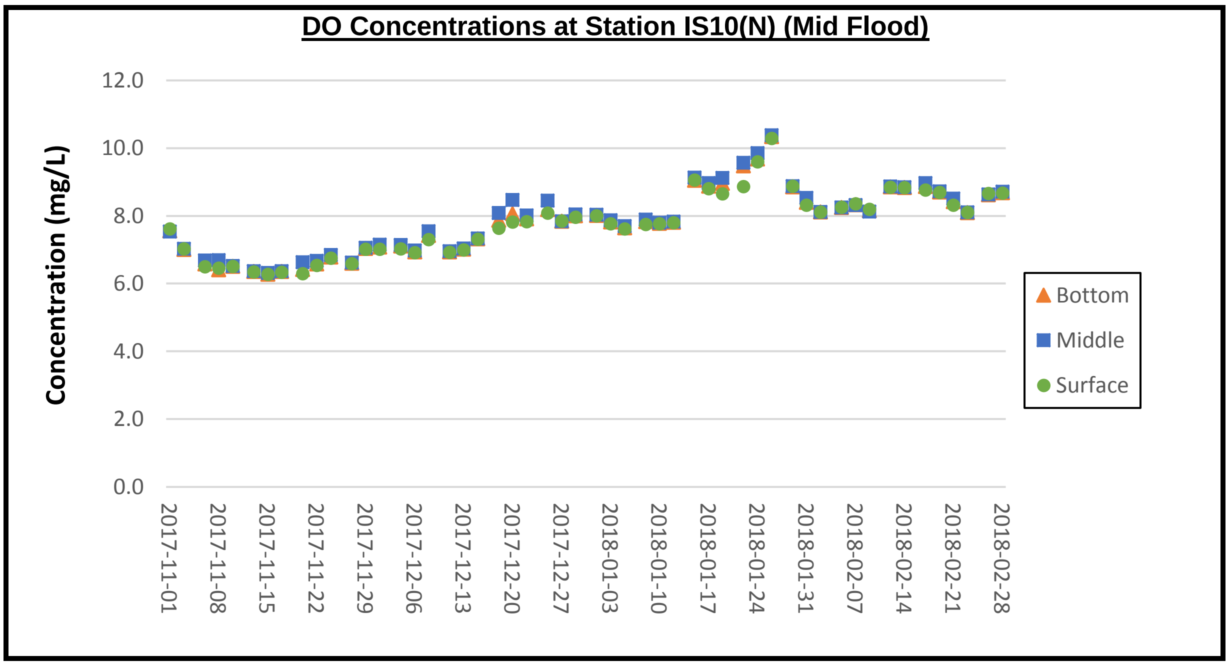
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station IS10(N) (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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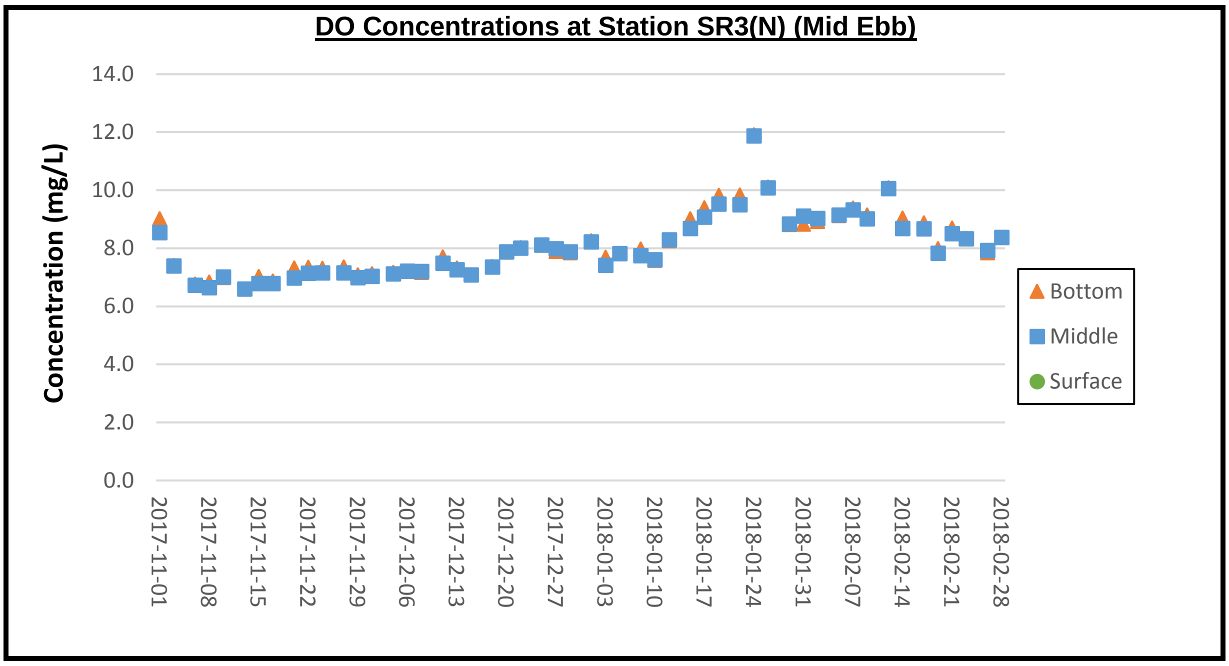
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR3(N) (Mid Ebb)
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
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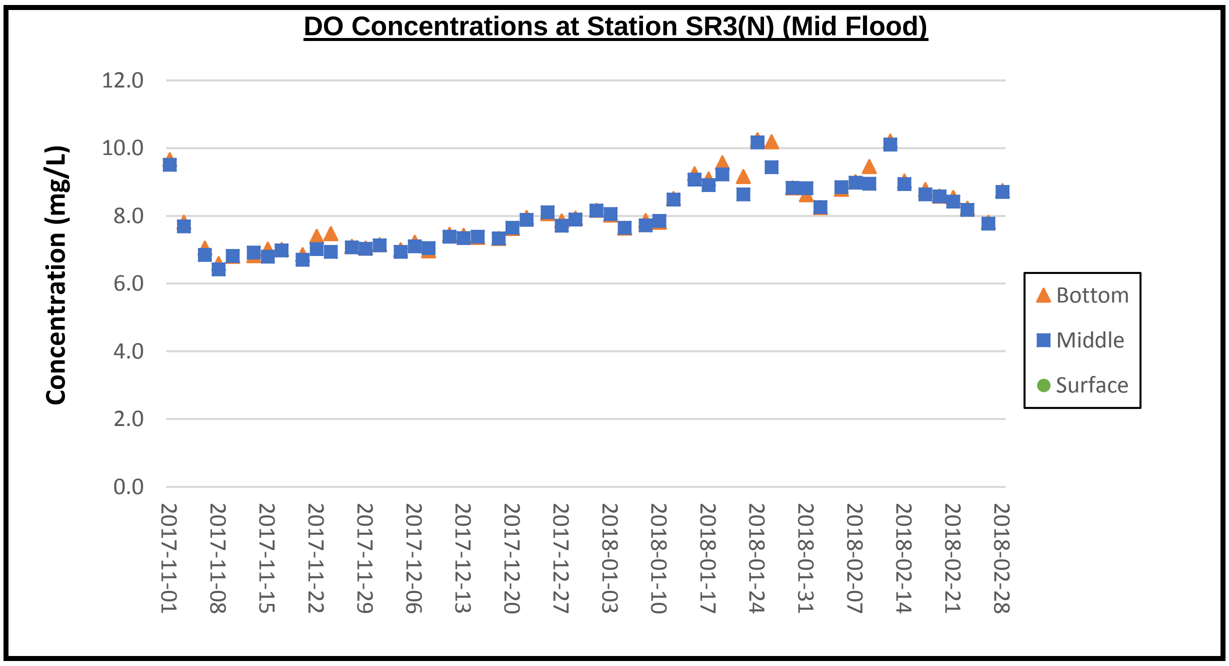
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR3(N) (Mid Flood)
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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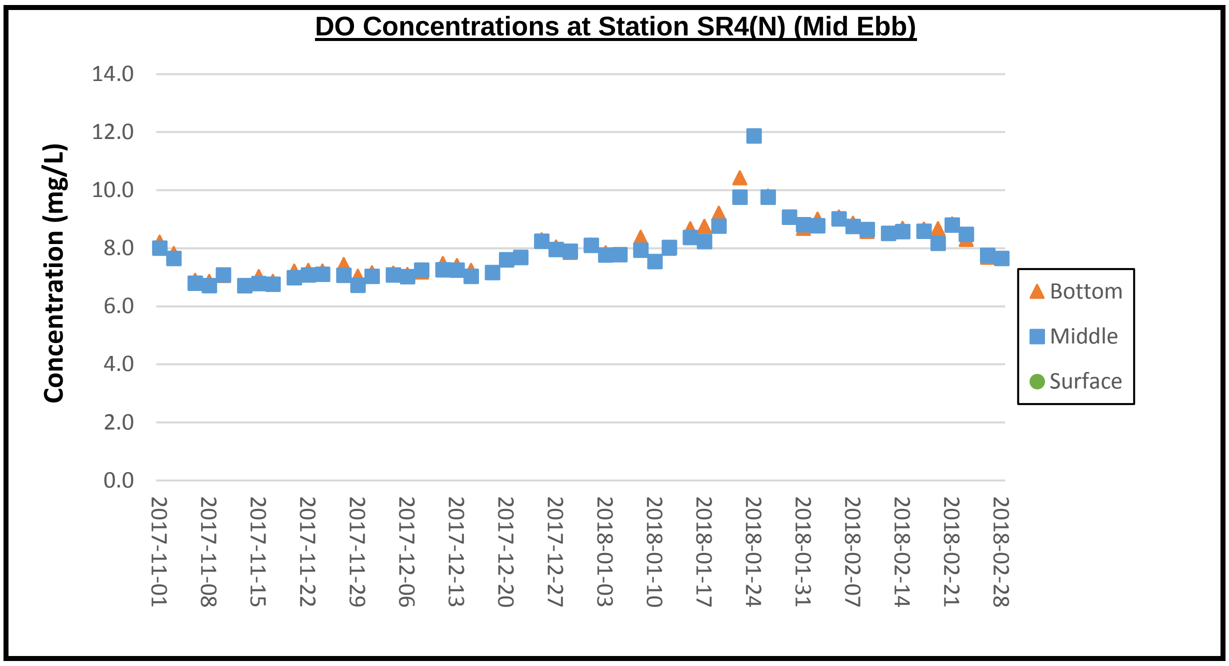
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR4(N) (Mid Ebb)
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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2018-02-07
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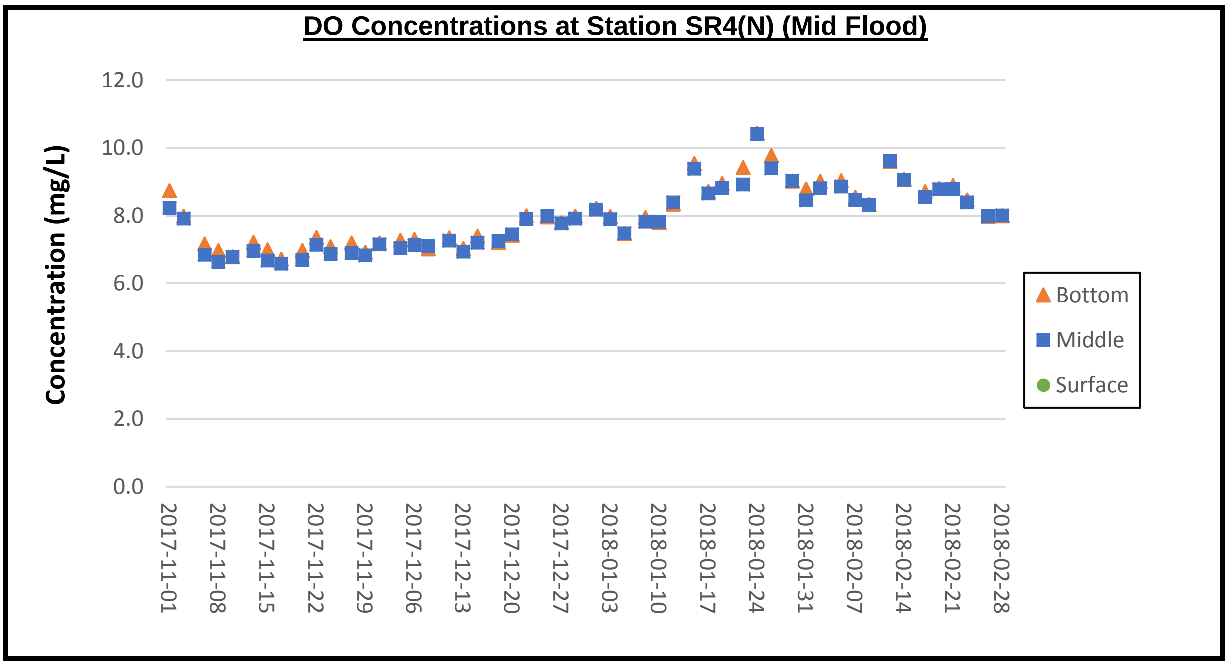
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR4(N) (Mid Flood)
Concentration (mg/L)
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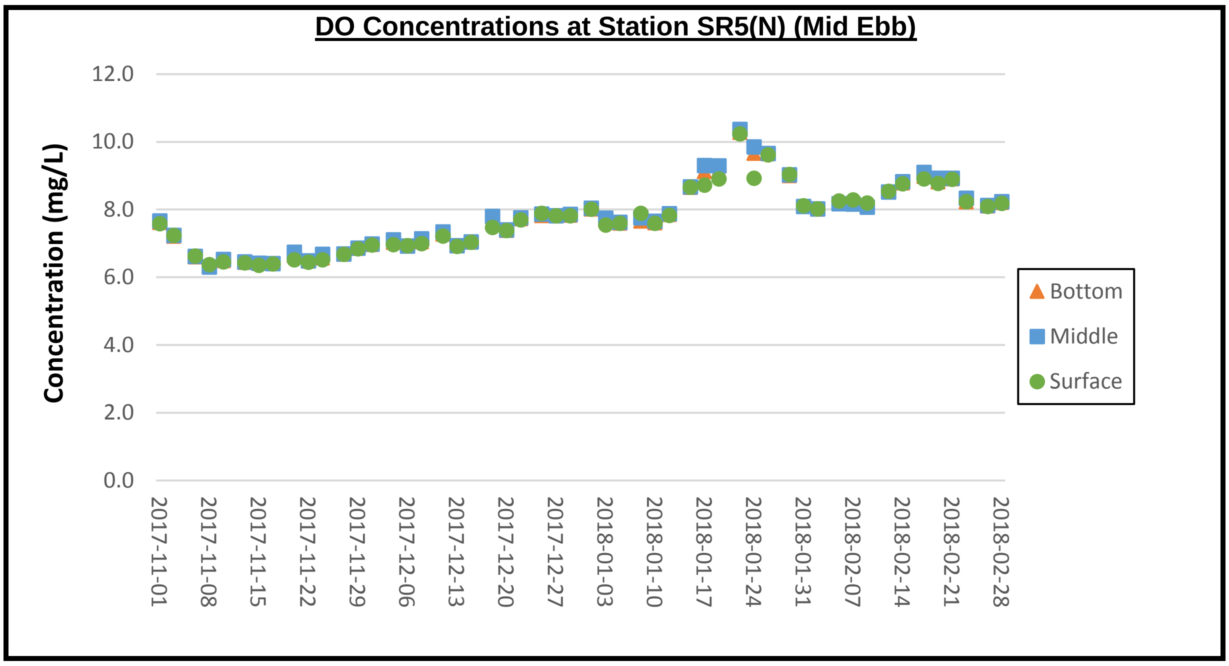
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR5(N) (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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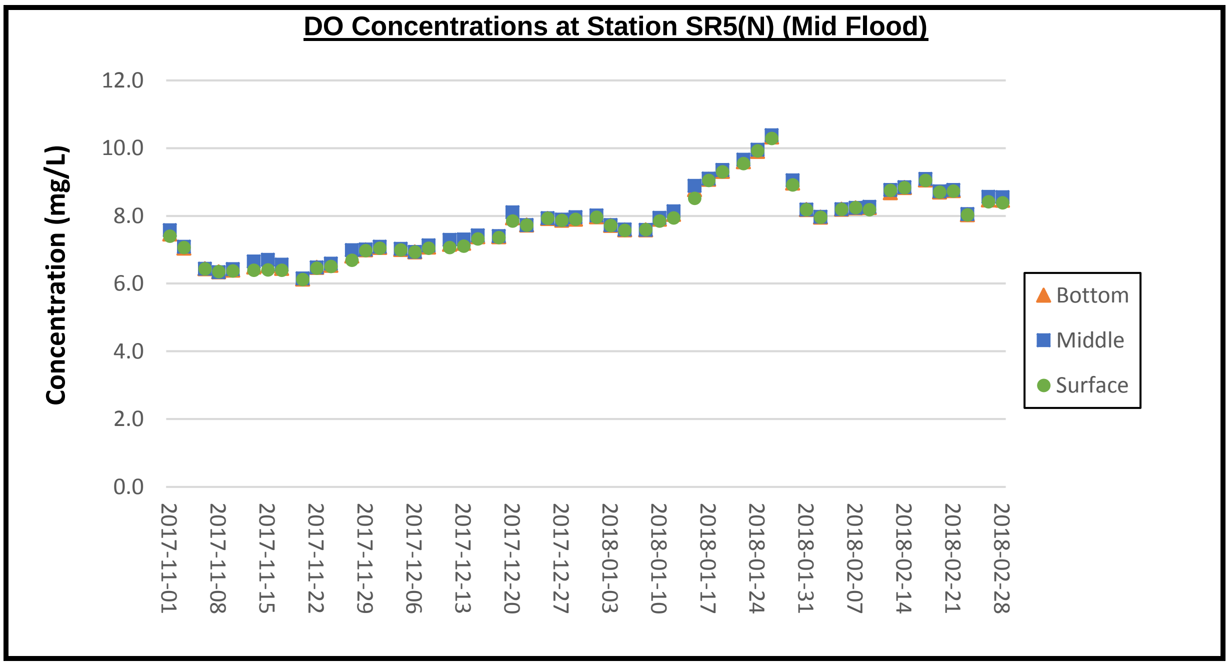
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR5(N) (Mid Flood)
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
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2018-02-07
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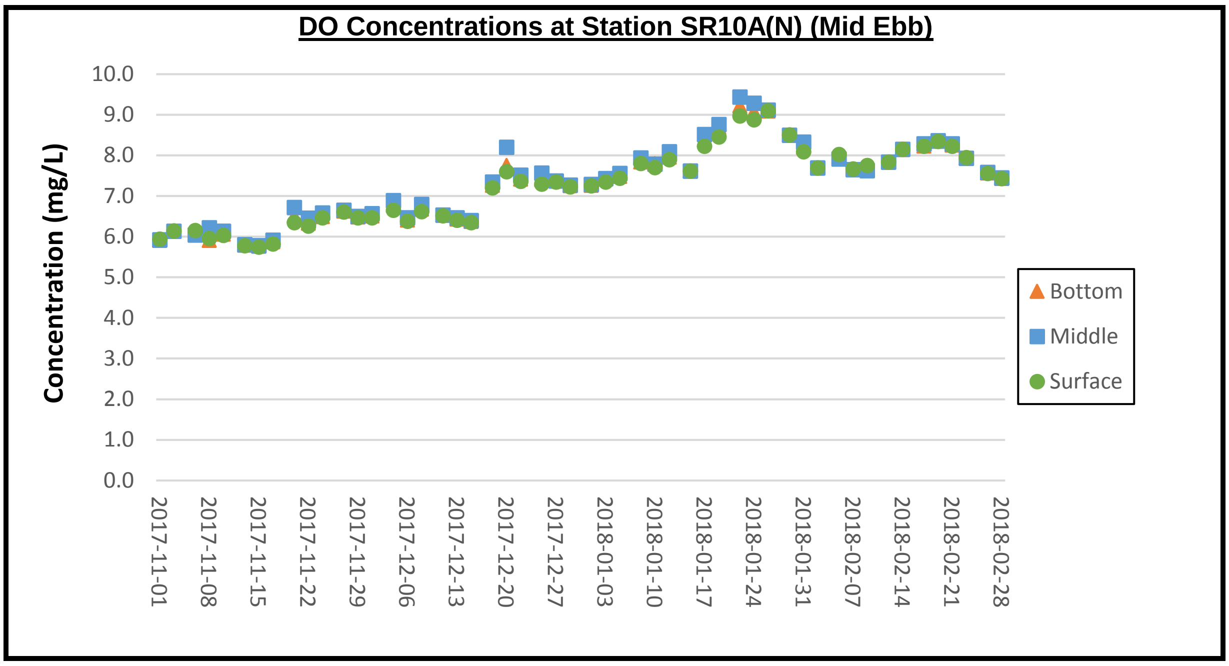
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR10A(N) (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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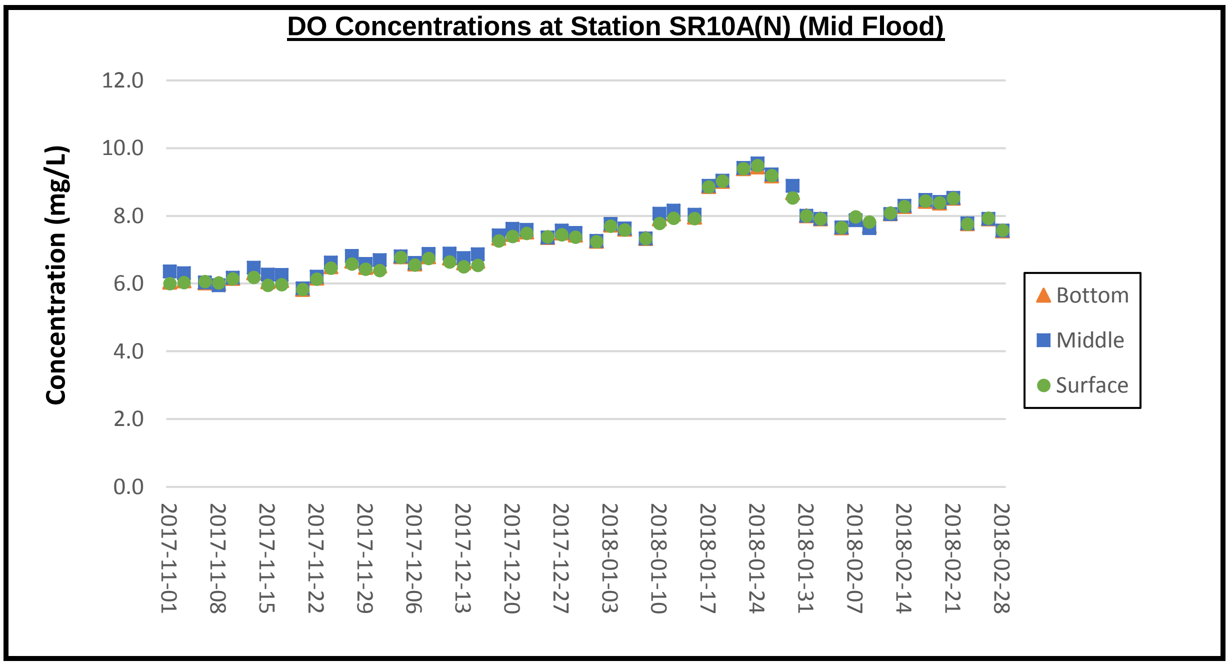
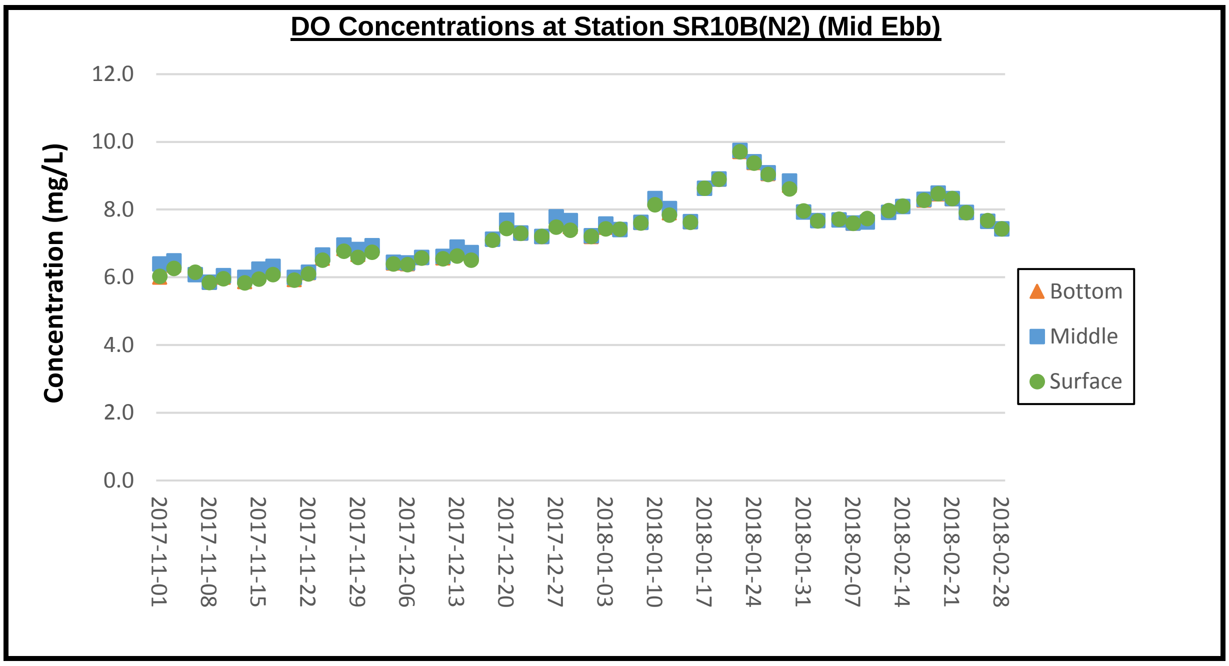
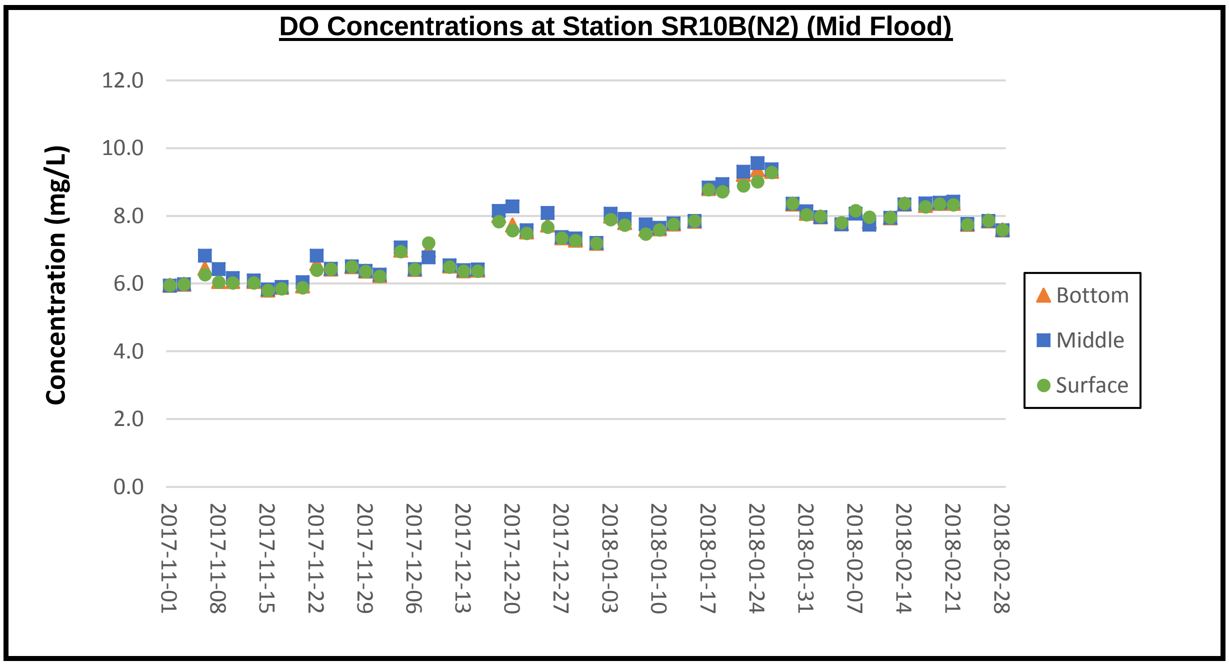
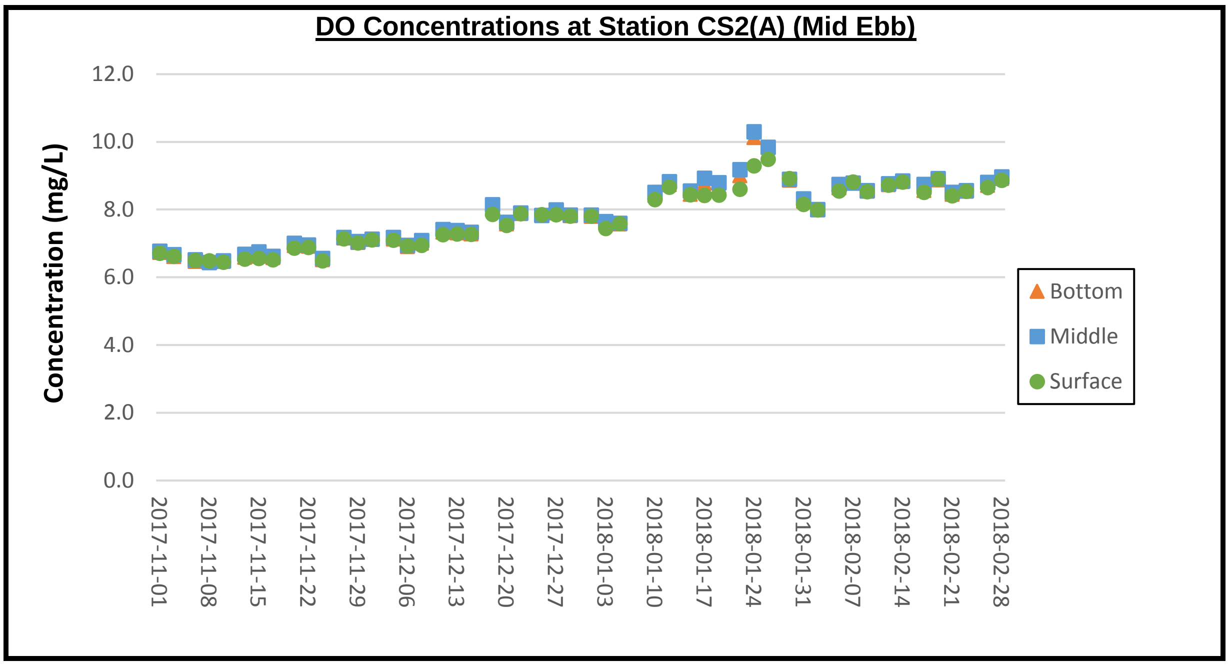
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR10A(N) (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station SR10B(N2) (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


DO Concentrations at Station SR10B(N2) (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


DO Concentrations at Station CS2(A) (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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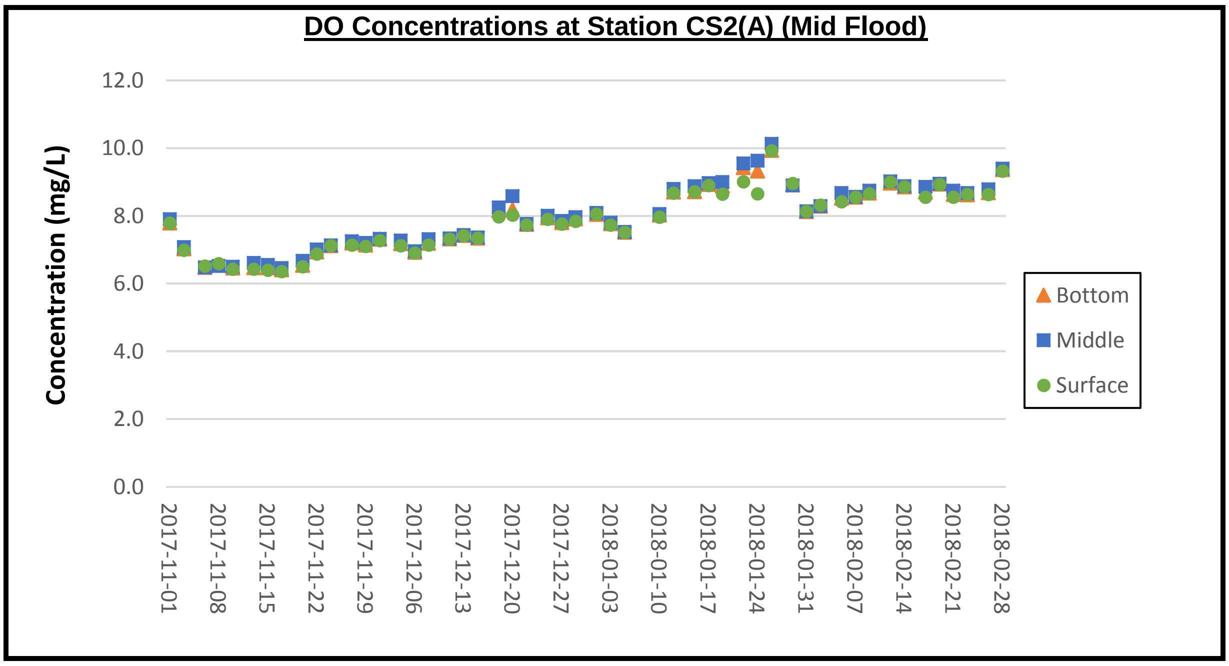
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station CS2(A) (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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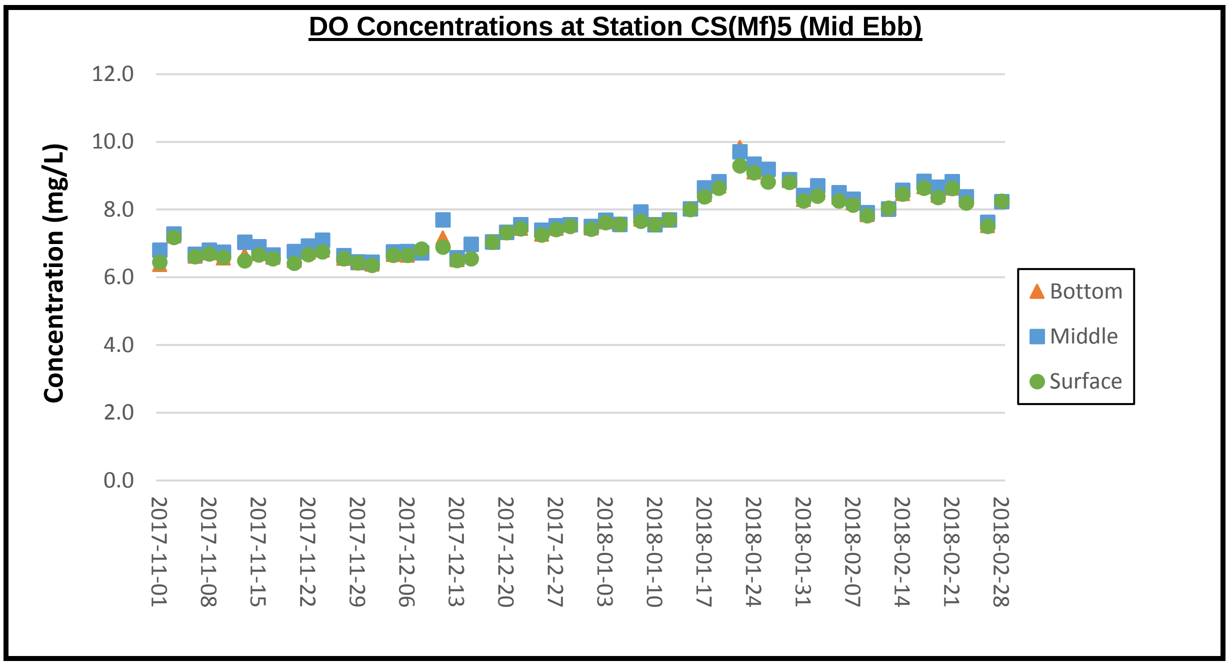
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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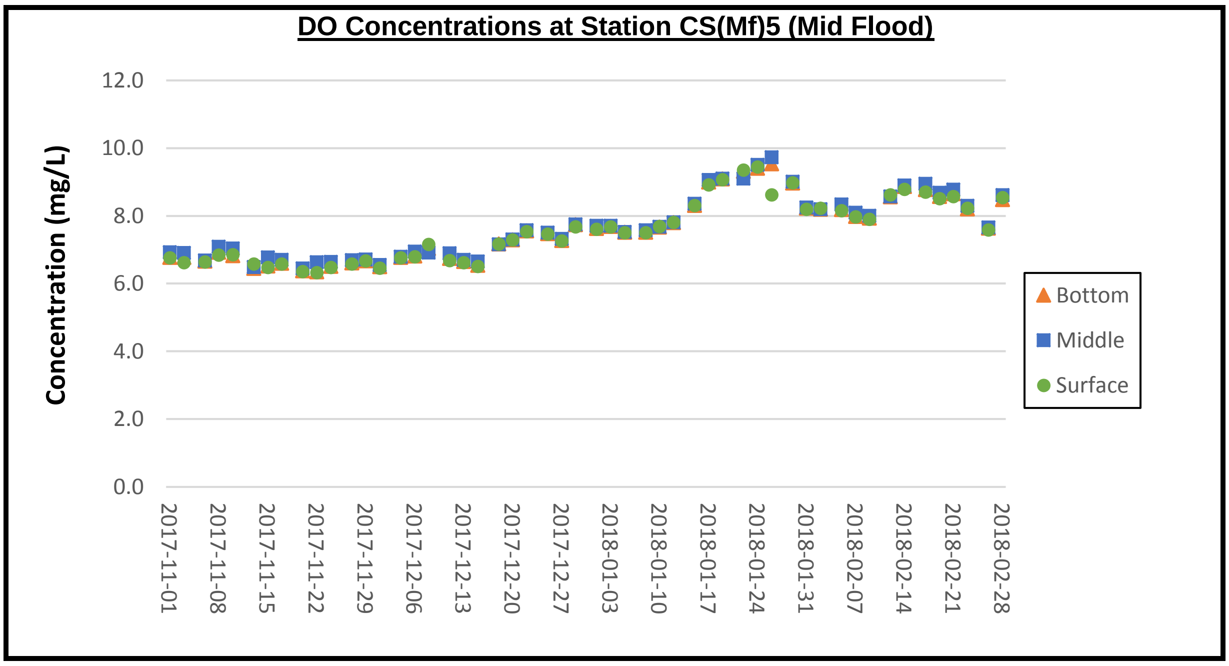
2018-02-21
2018-02-28
Bottom
Middle
Surface


DO Concentrations at Station CS(Mf)5 (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
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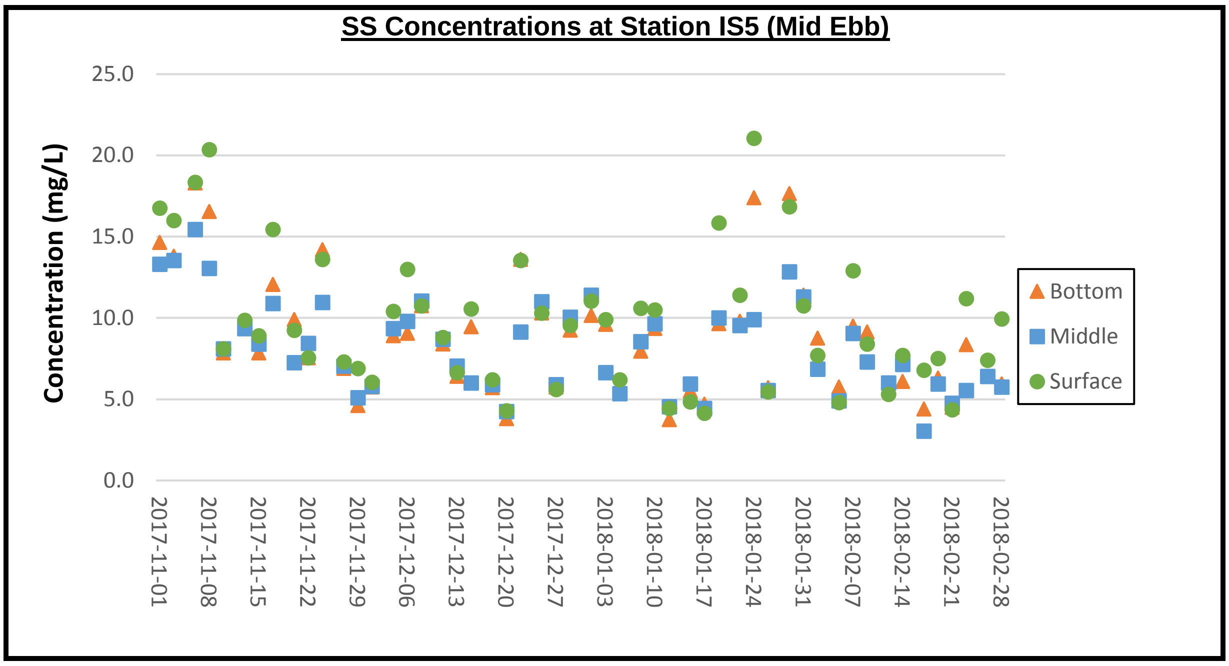
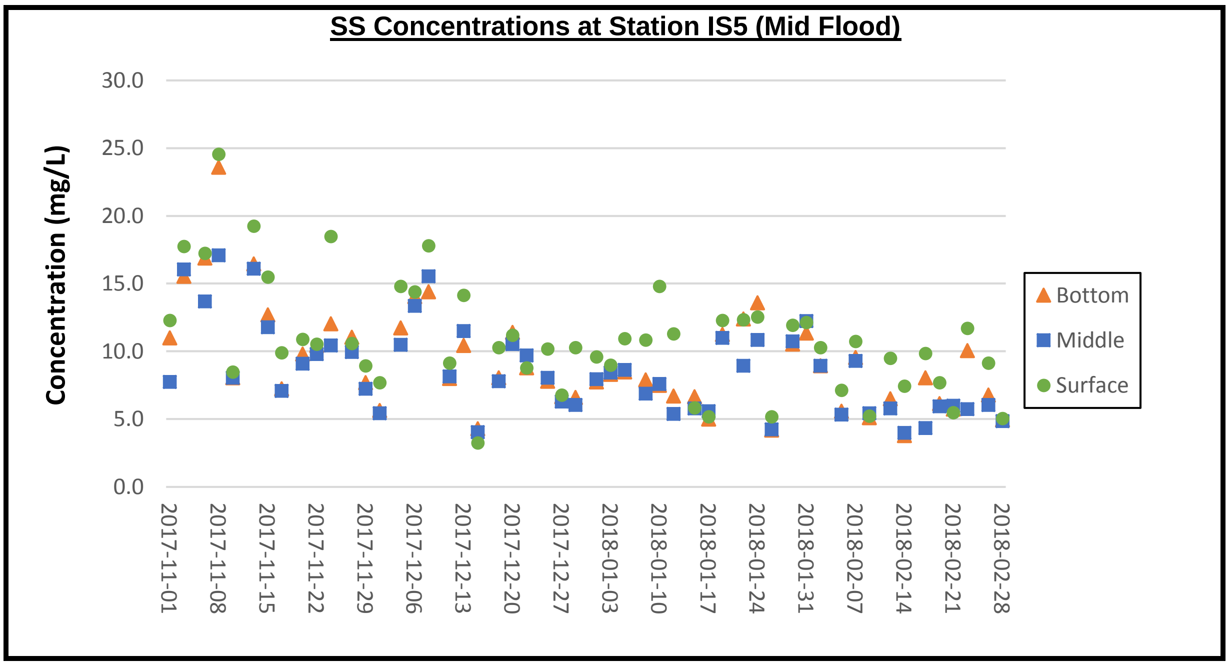
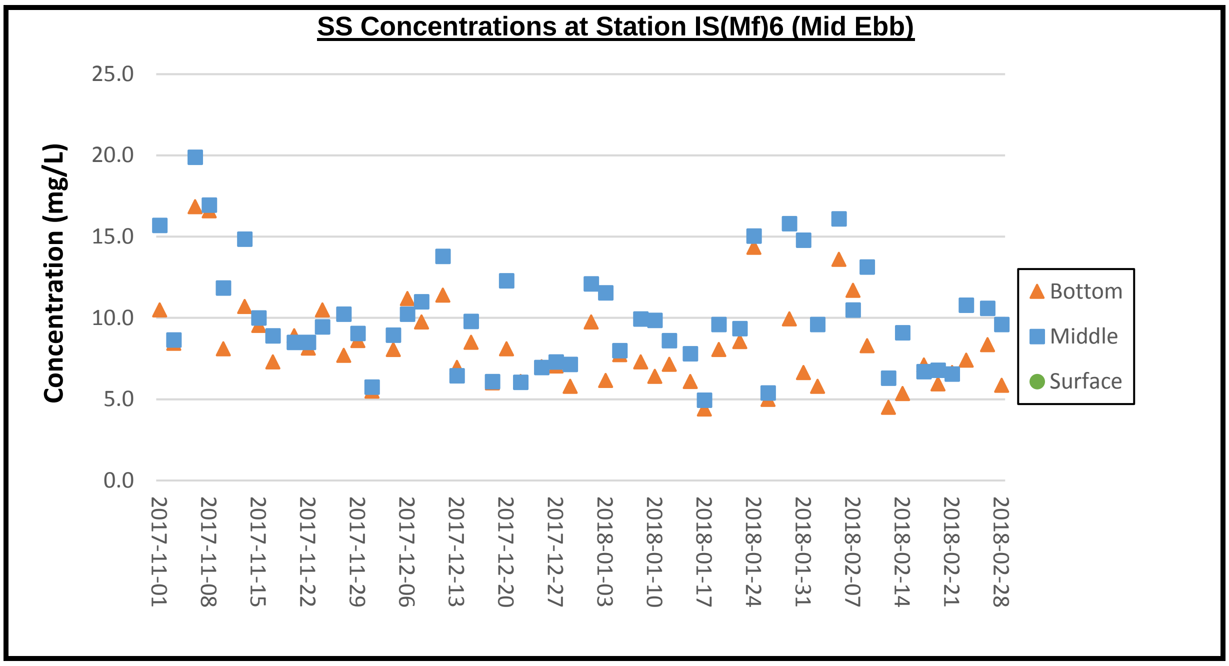
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station IS5 (Mid Ebb)
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


SS Concentrations at Station IS5 (Mid Flood)
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


SS Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
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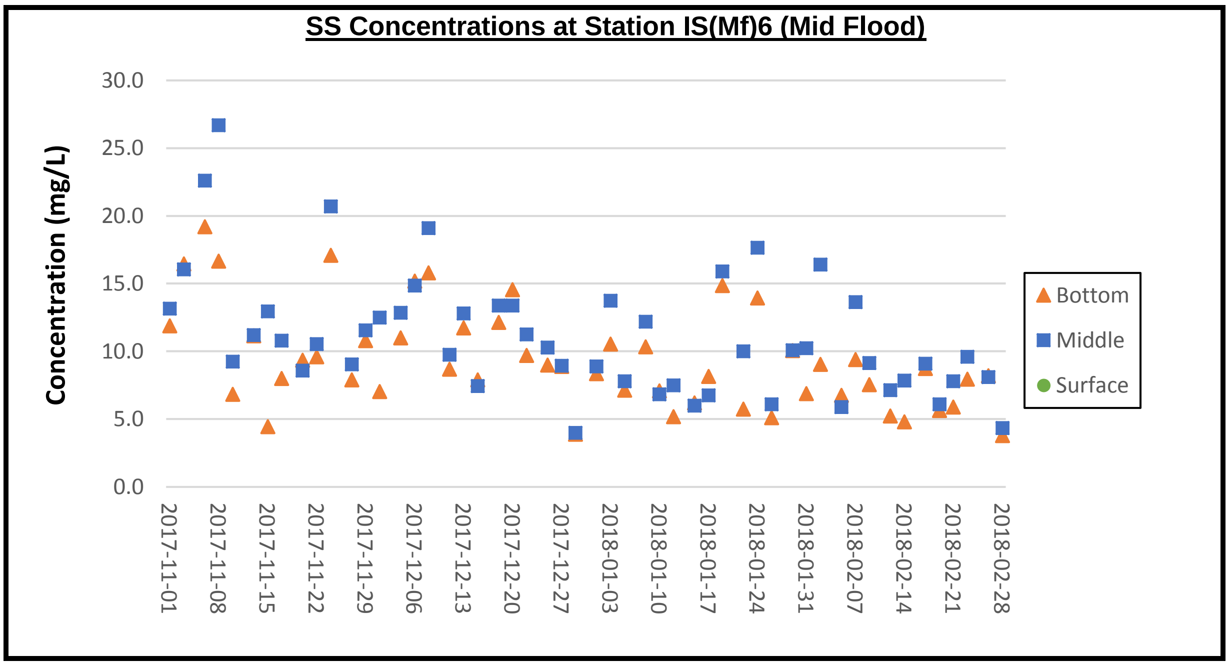
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station IS(Mf)6 (Mid Flood)
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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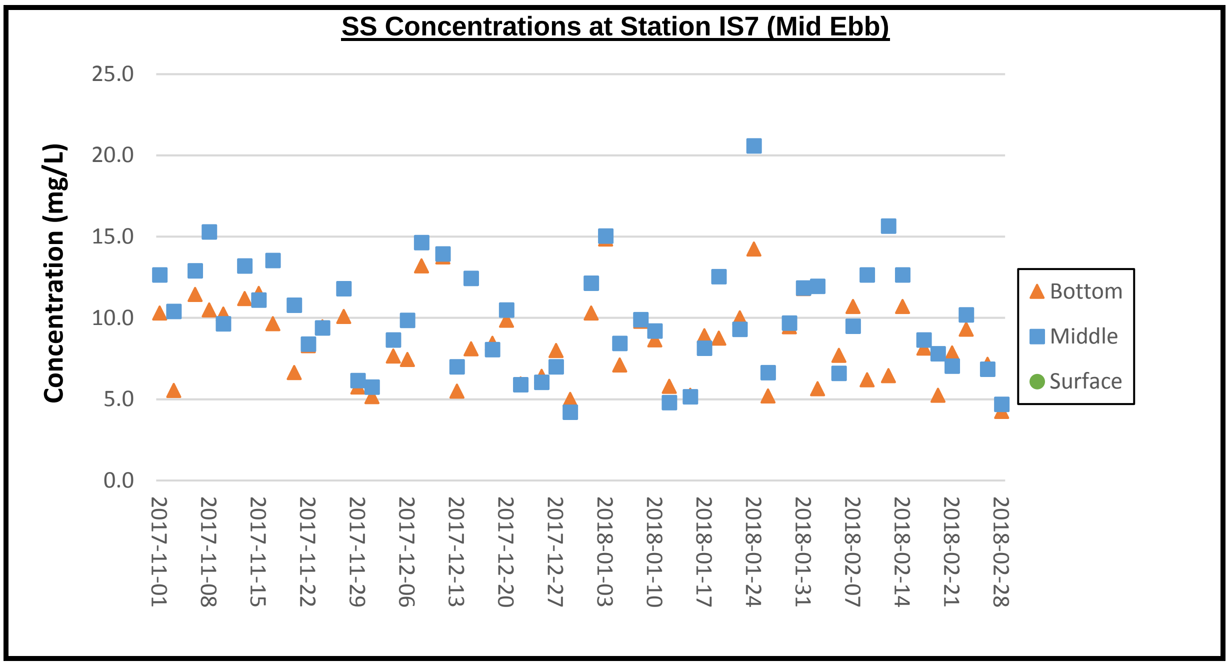
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station IS7 (Mid Ebb)
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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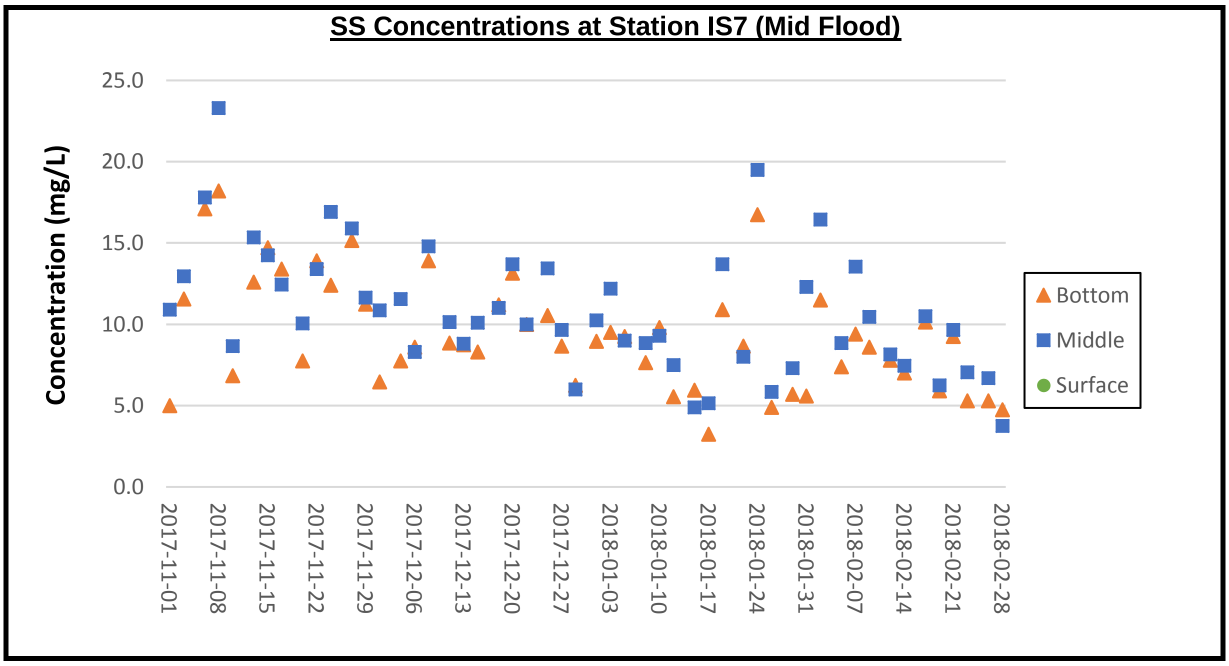
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station IS7 (Mid Flood)
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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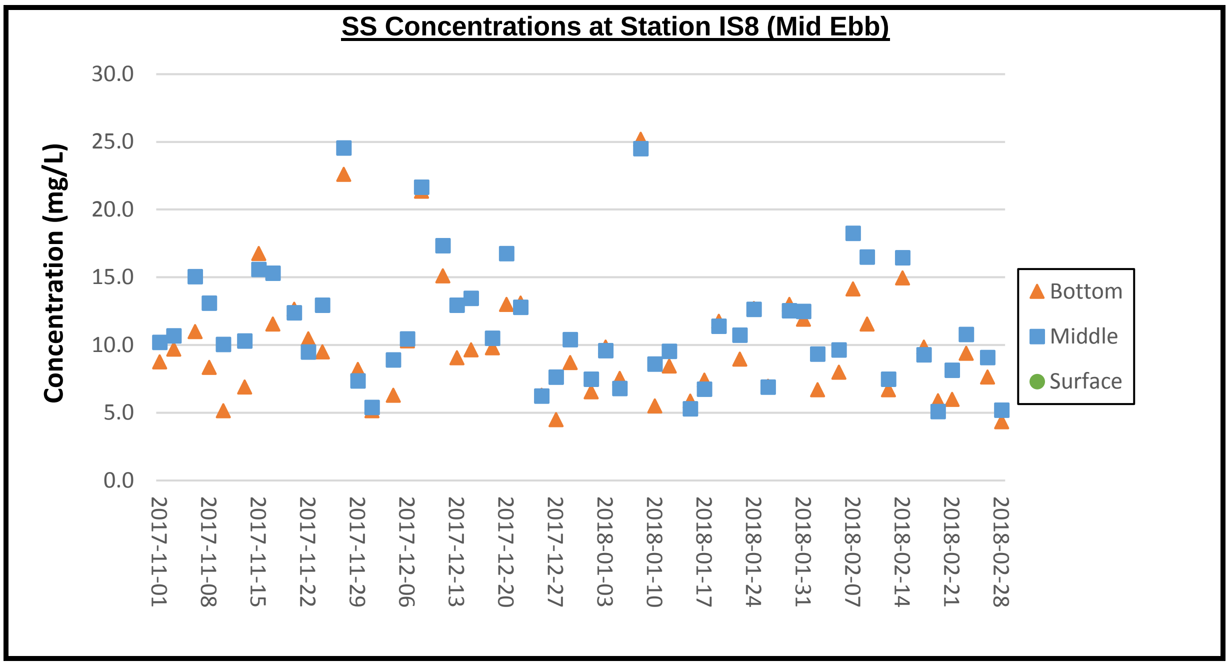
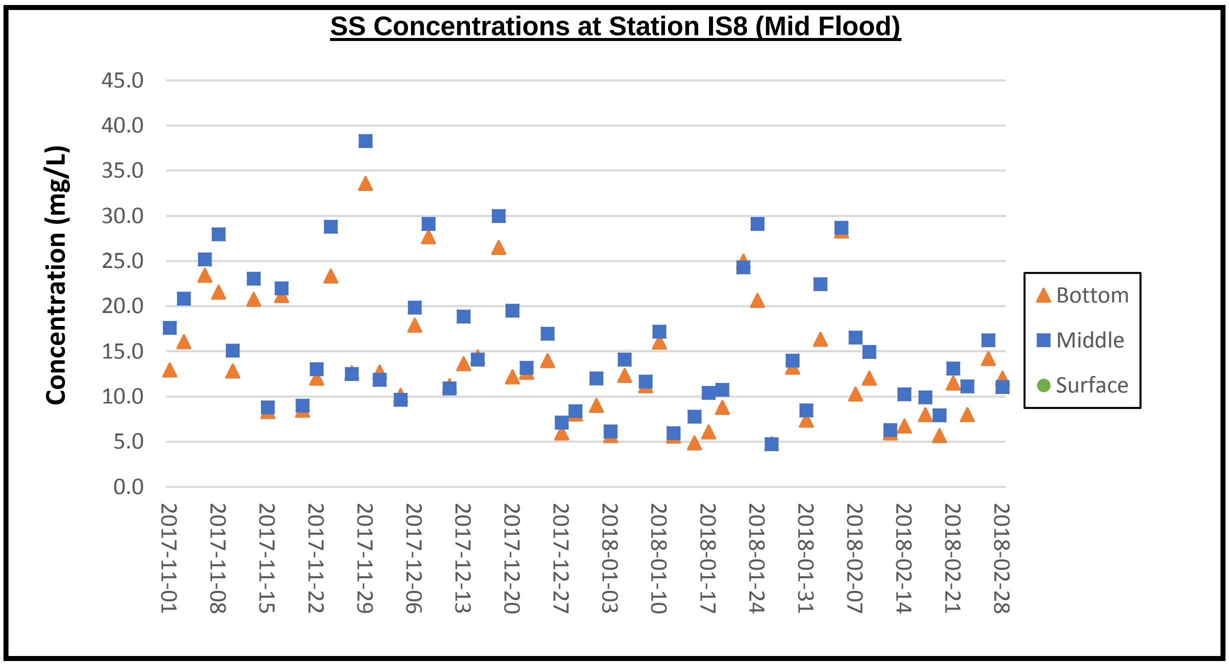
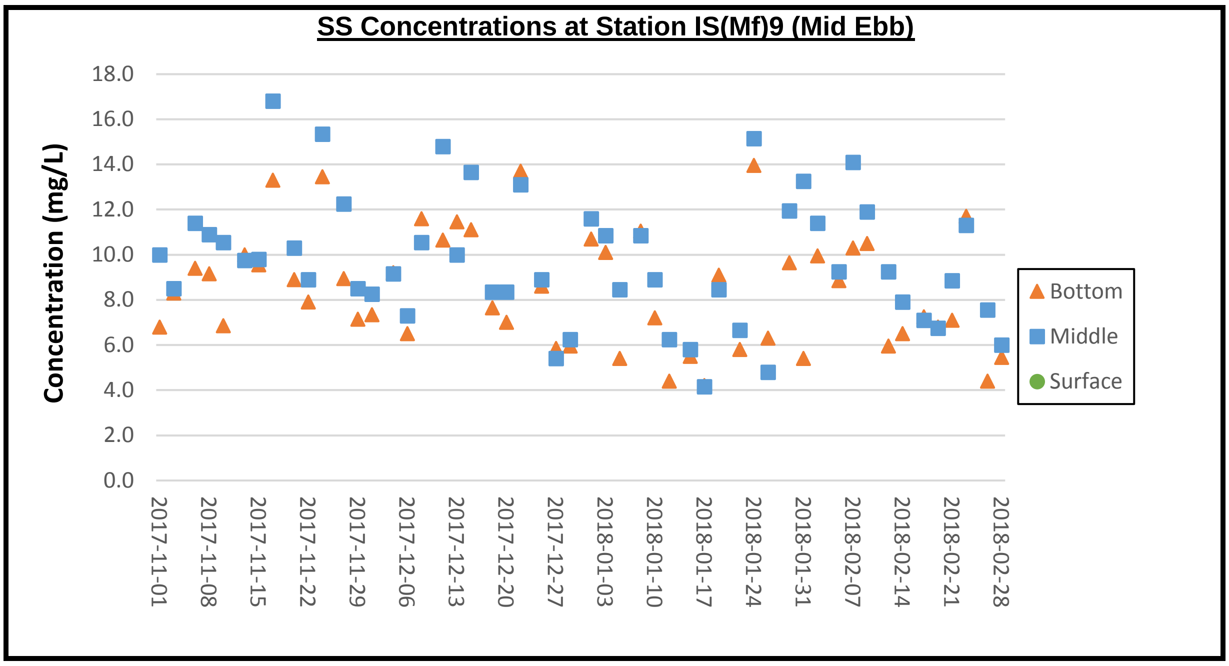
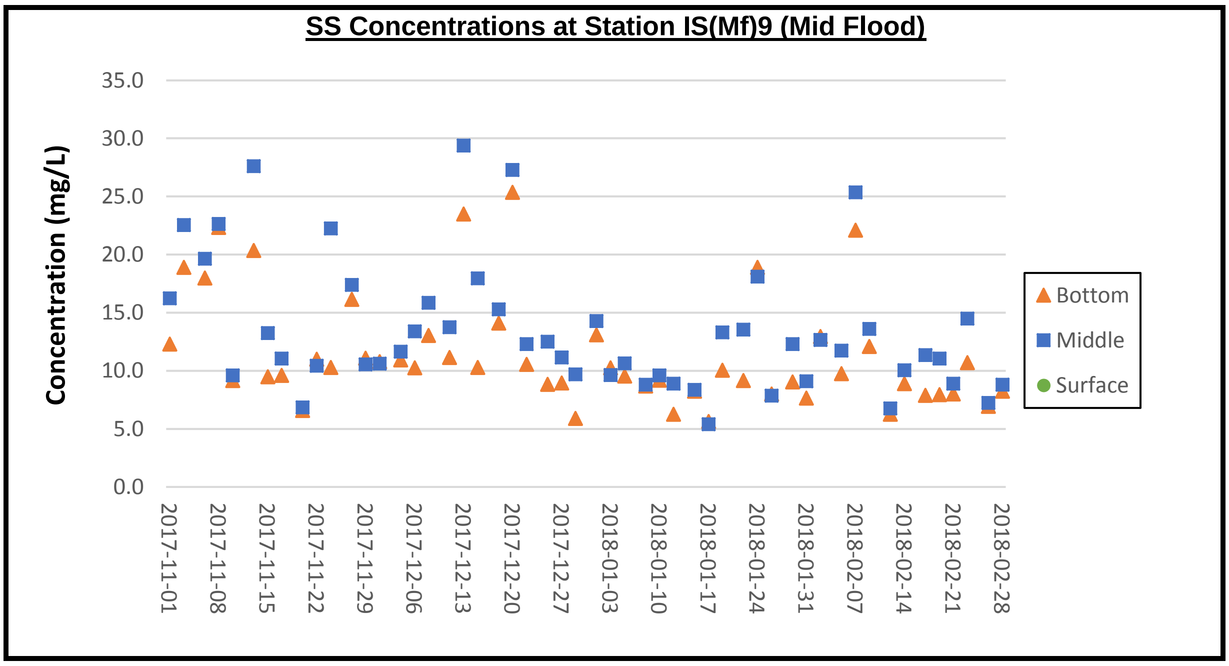
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station IS8 (Mid Ebb)
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


SS Concentrations at Station IS8 (Mid Flood)
Concentration (mg/L)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


SS Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (mg/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station IS(Mf)9 (Mid Flood)
Concentration (mg/L)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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2018-01-31
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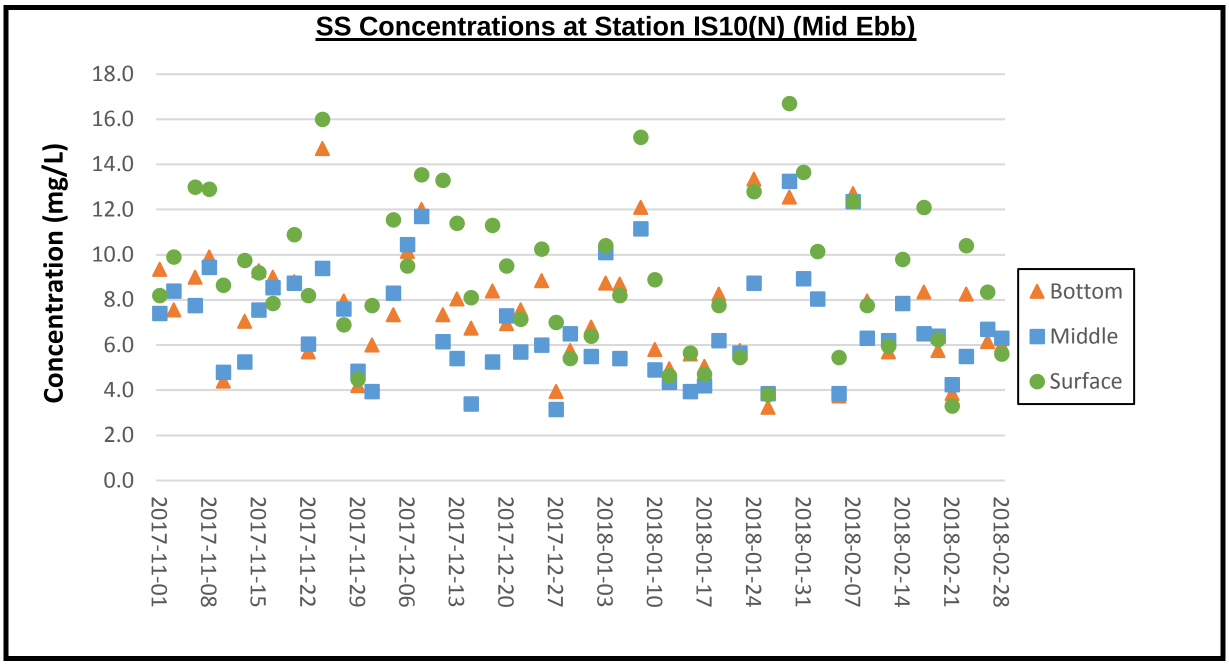
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station IS10(N) (Mid Ebb)
Concentration (mg/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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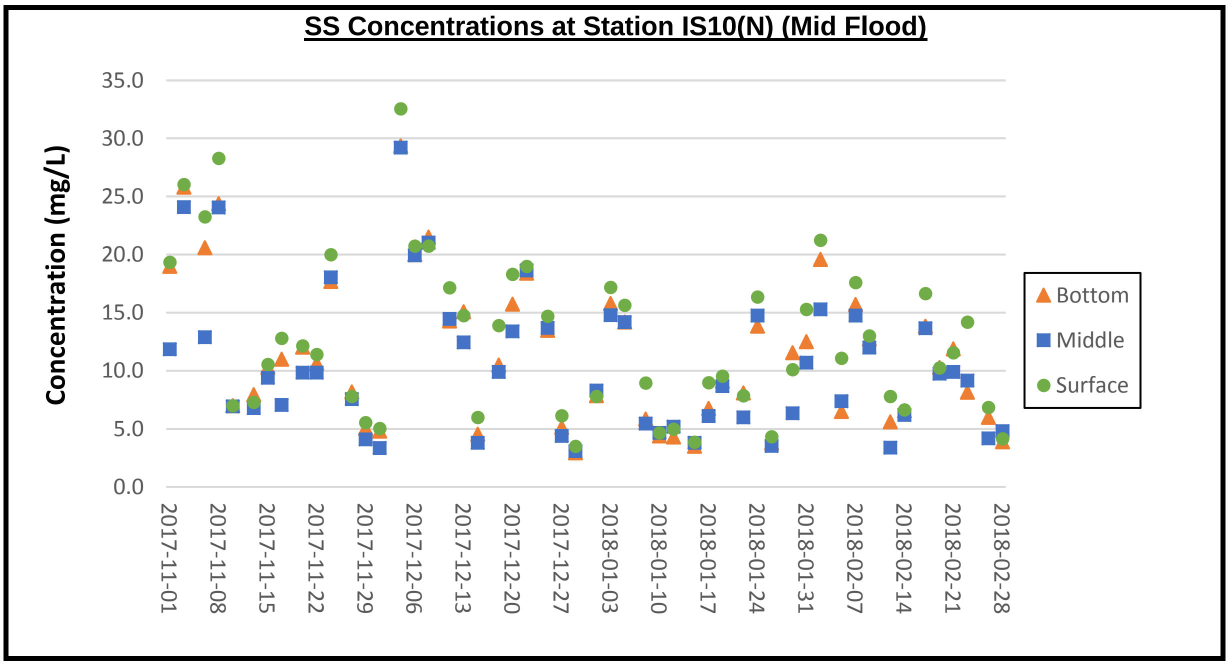
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station IS10(N) (Mid Flood)
Concentration (mg/L)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
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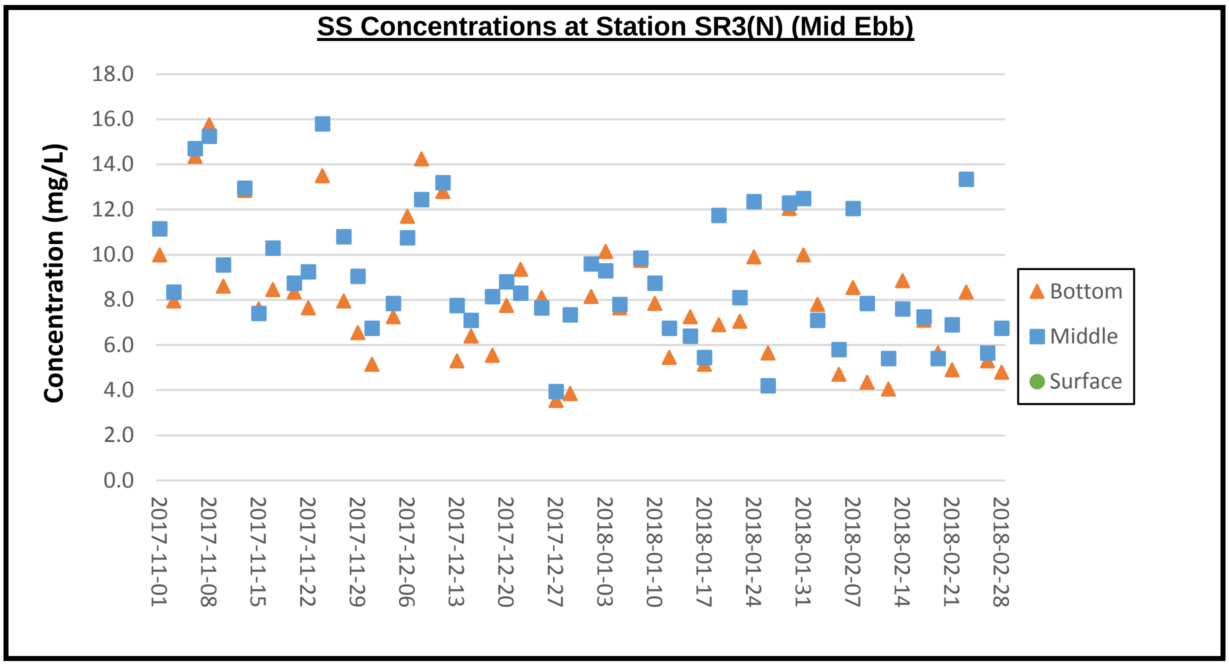
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station SR3(N) (Mid Ebb)
Concentration (mg/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
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2018-01-31
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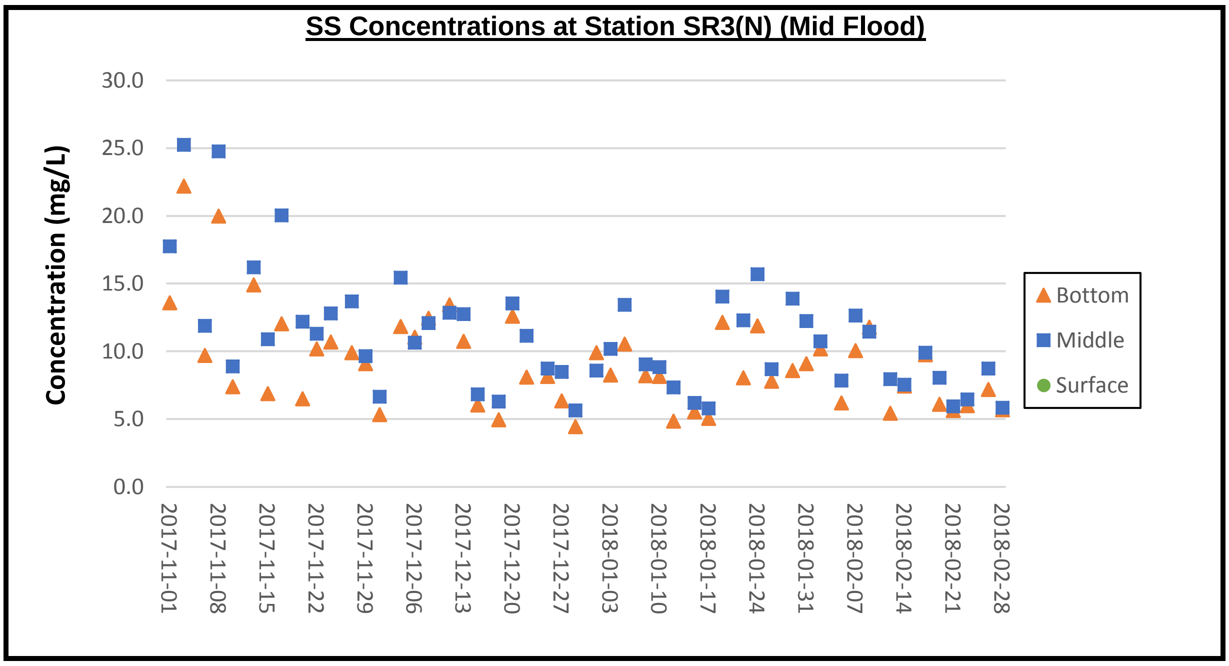
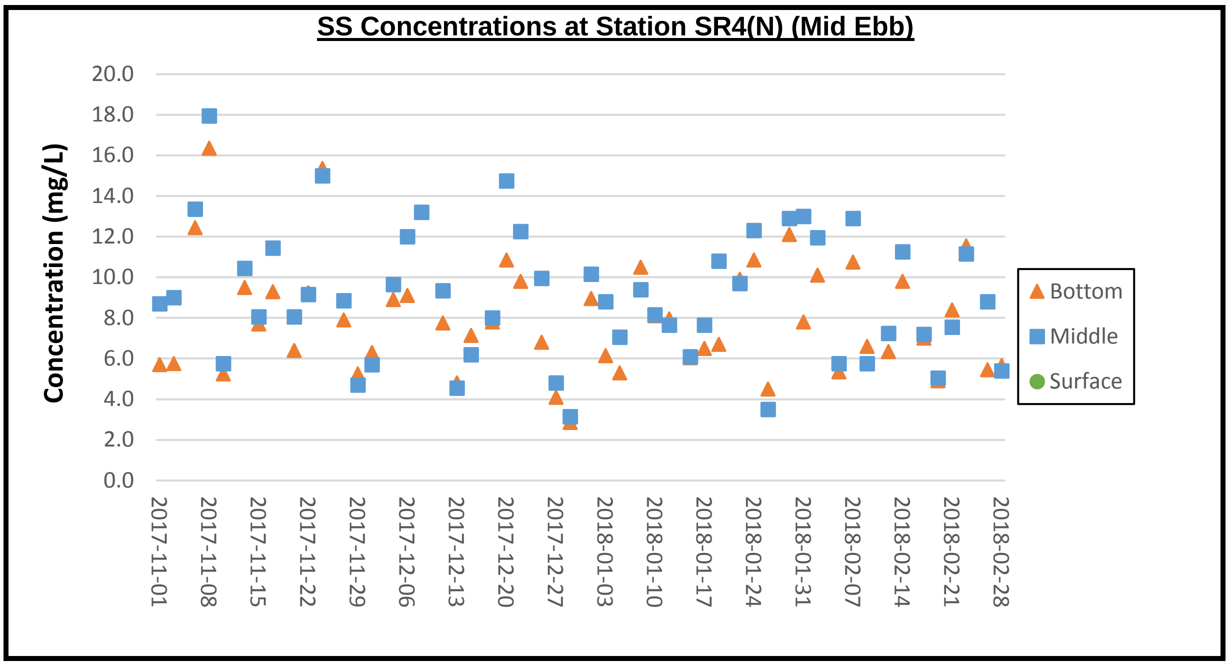
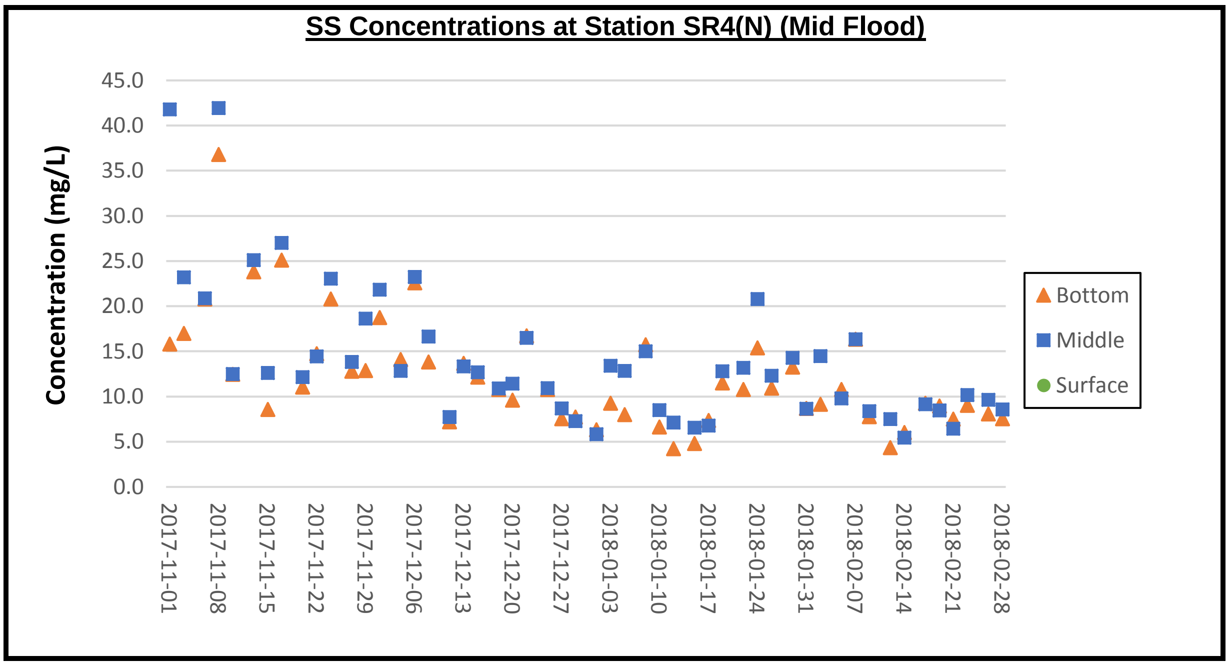
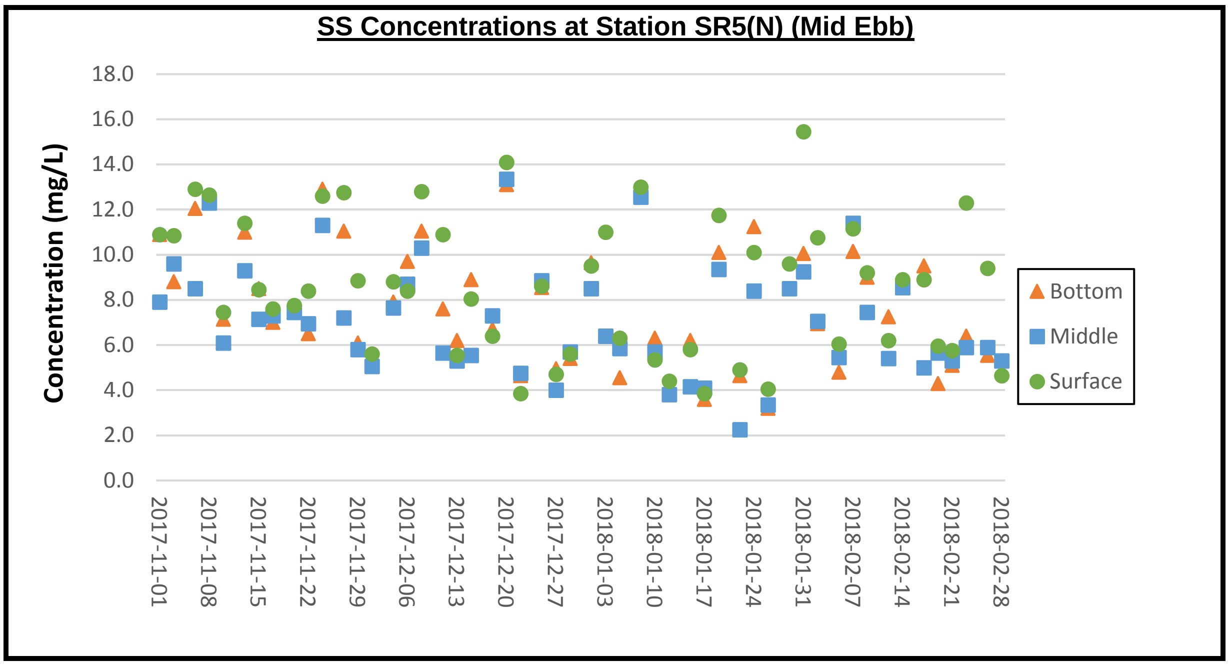
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station SR3(N) (Mid Flood)
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

SS Concentrations at Station SR4(N) (Mid Ebb)
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface

SS Concentrations at Station SR4(N) (Mid Flood)
Concentration (mg/L)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


SS Concentrations at Station SR5(N) (Mid Ebb)
Concentration (mg/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
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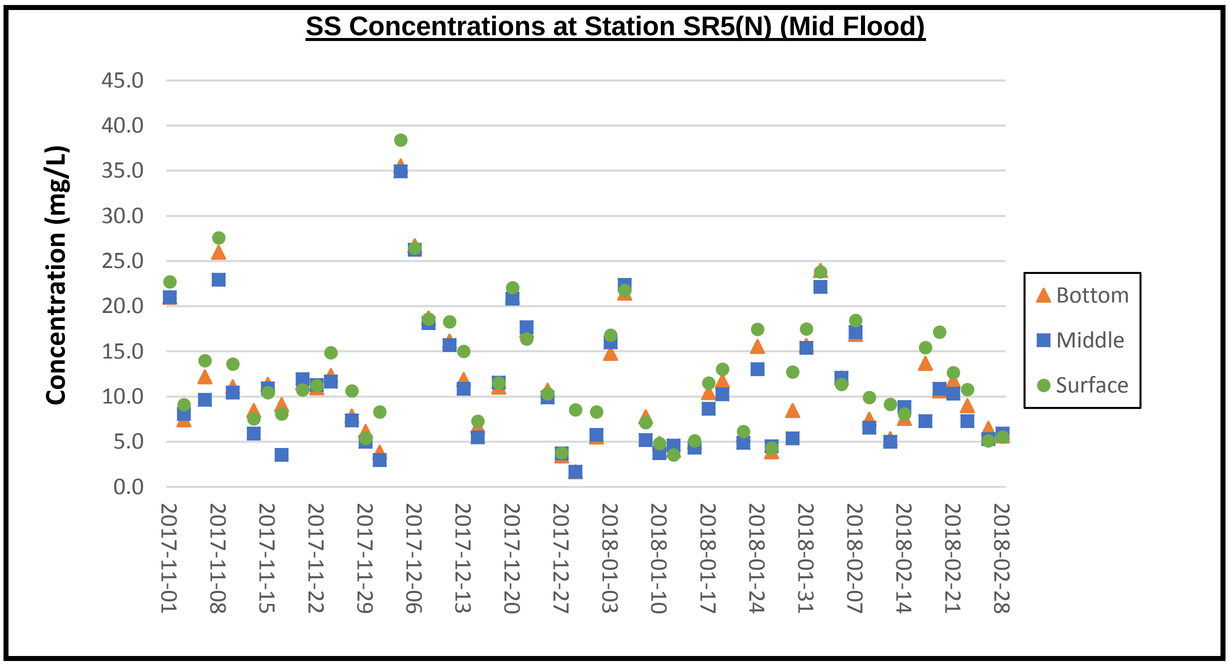
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station SR5(N) (Mid Flood)
Concentration (mg/L)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
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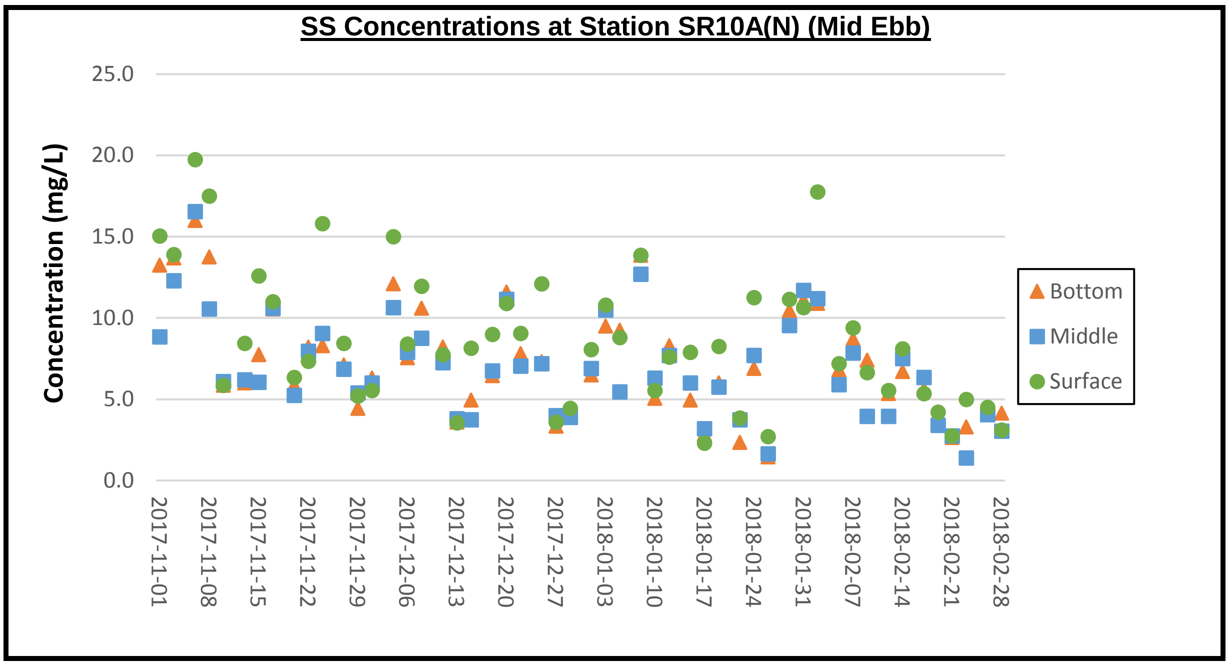
2018-02-21
2018-02-28
Bottom
Middle
Surface


SS Concentrations at Station SR10A(N) (Mid Ebb)
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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2018-01-31
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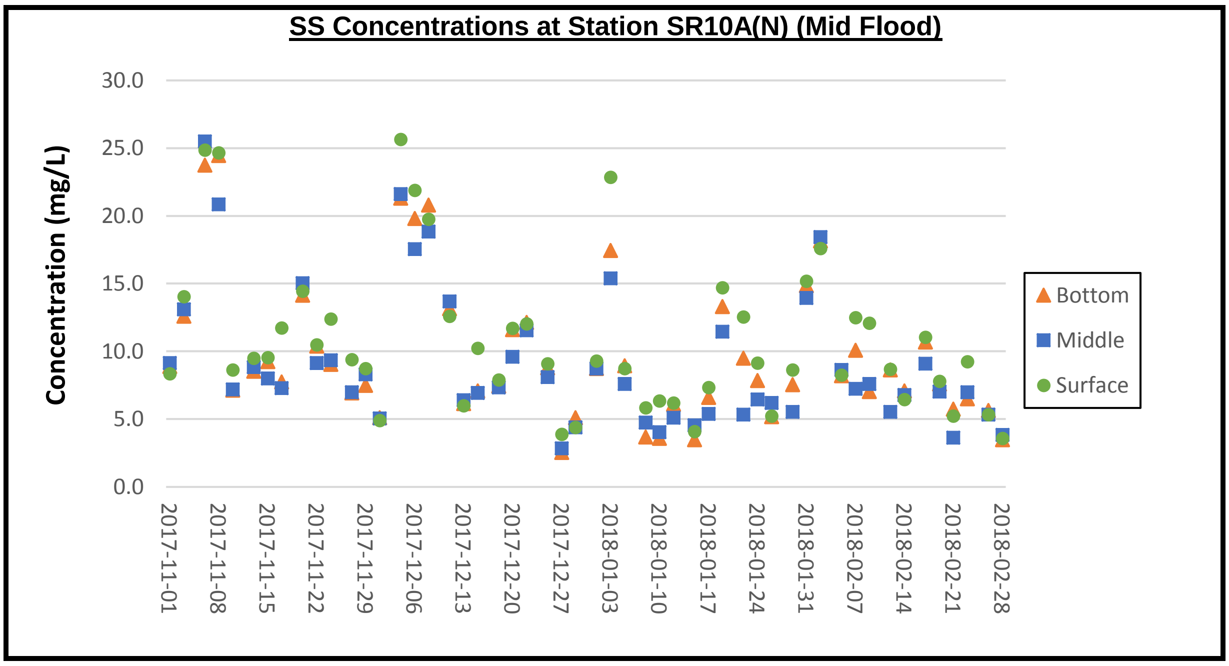
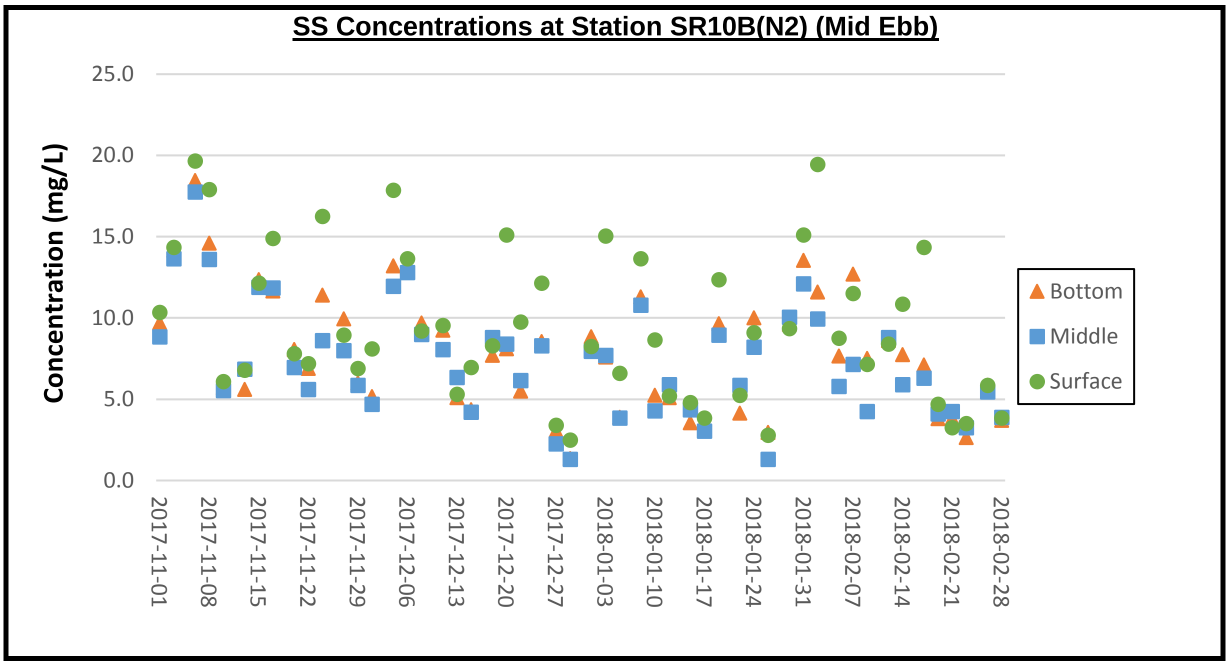
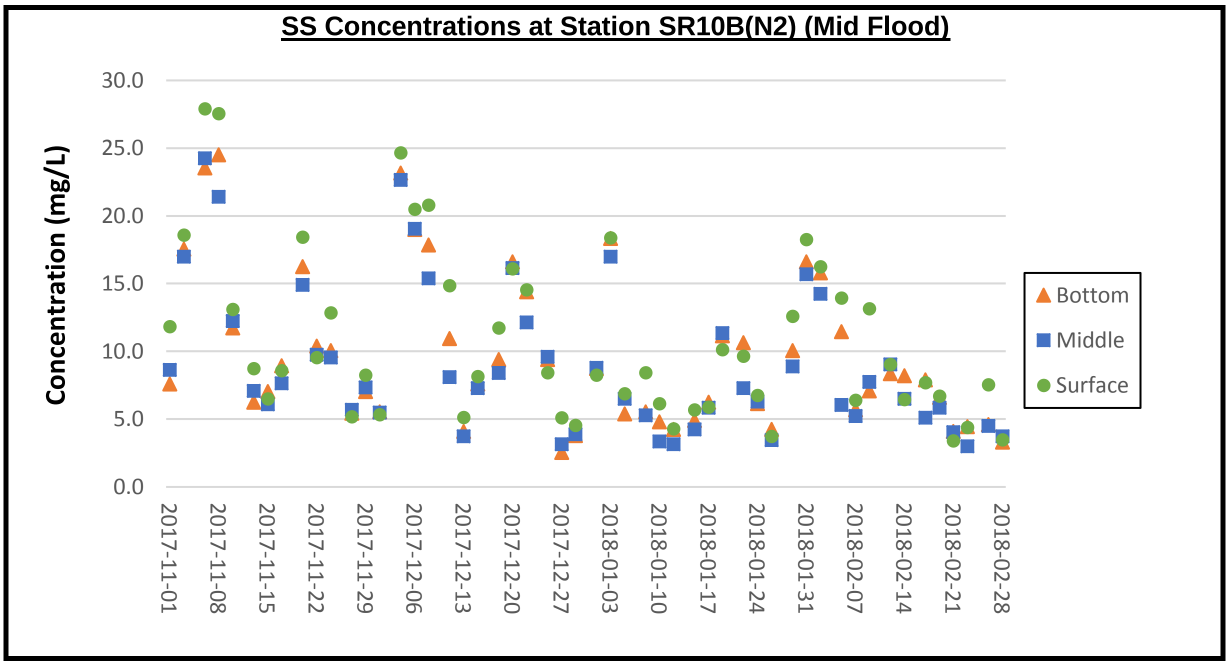
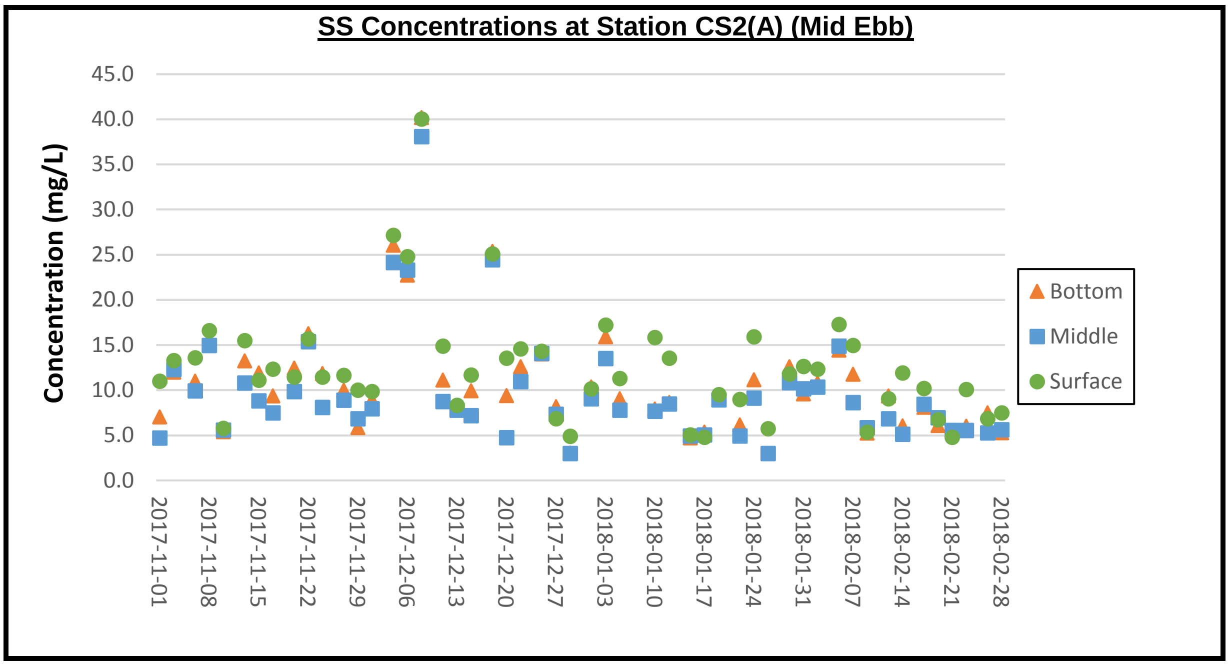
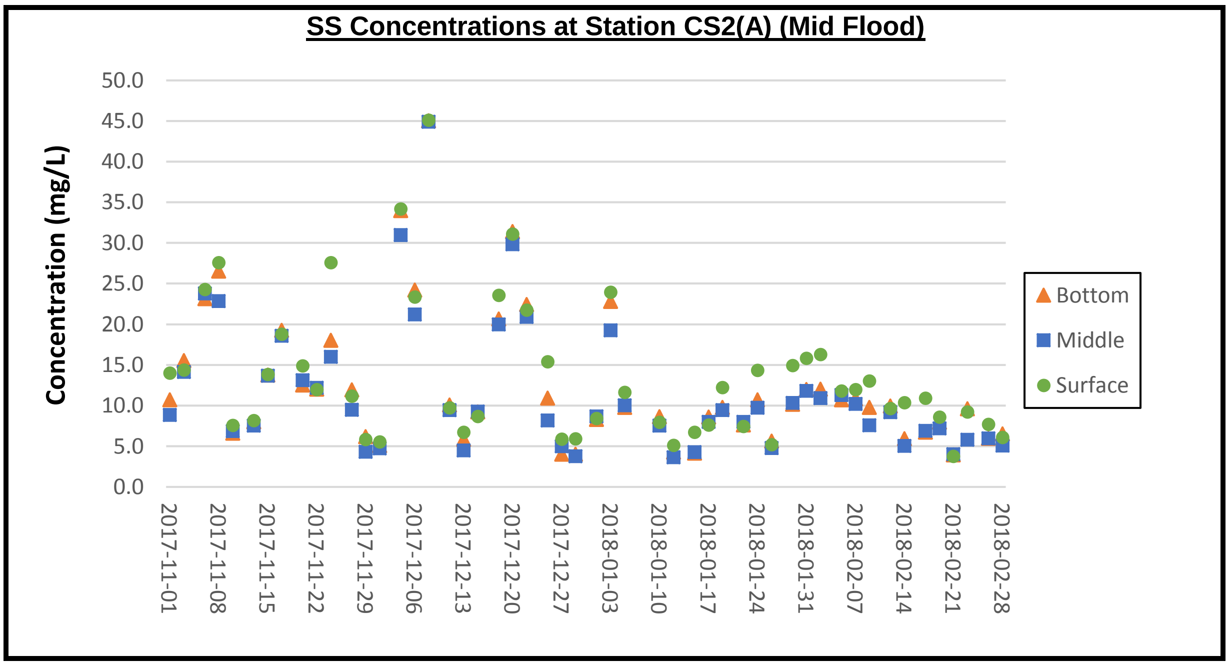
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

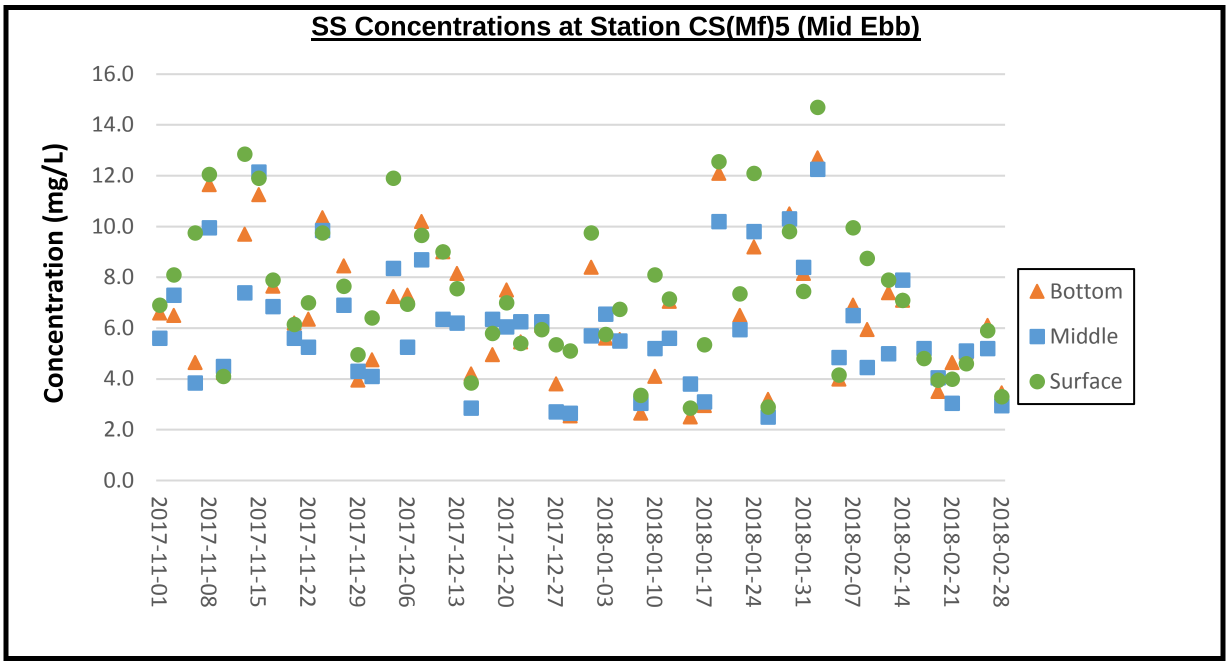

SS Concentrations at Station SR10A(N) (Mid Flood)
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

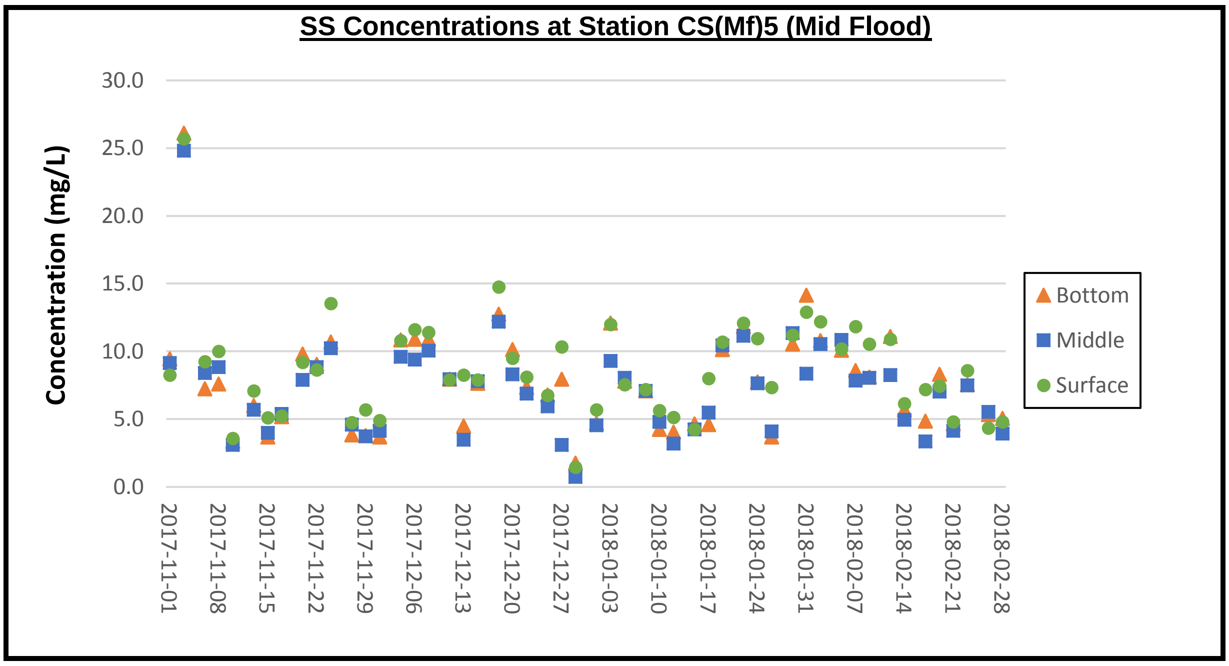

SS Concentrations at Station SR10B(N2) (Mid Ebb)

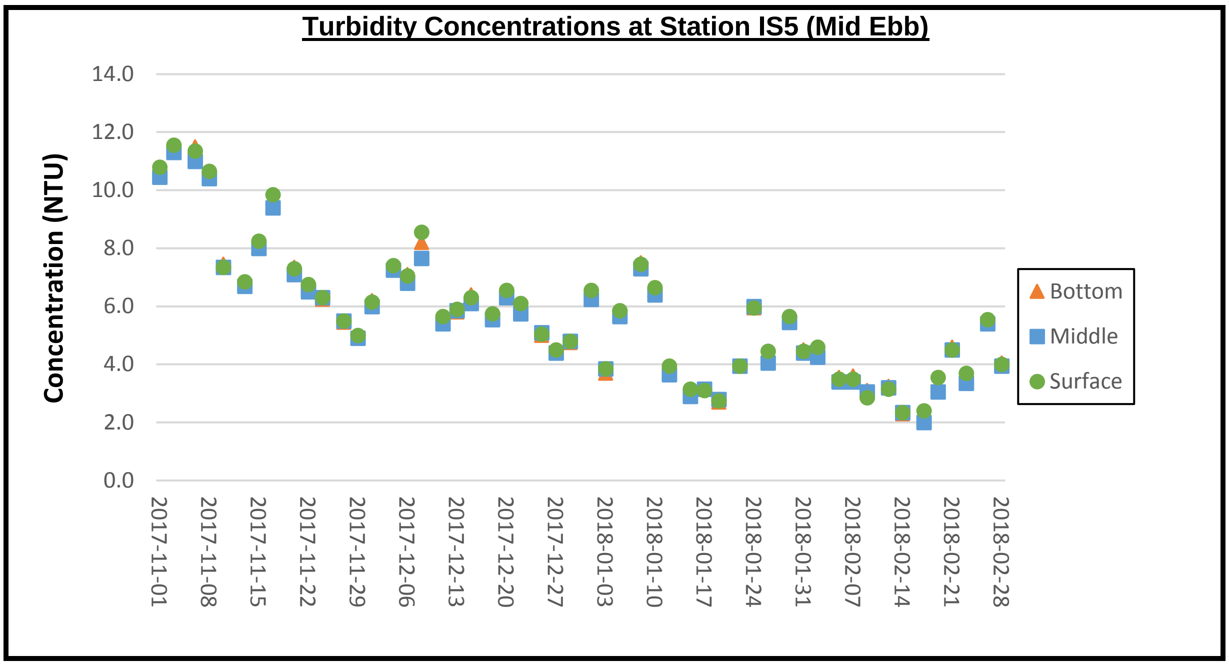

SS Concentrations at Station SR10B(N2) (Mid Flood)

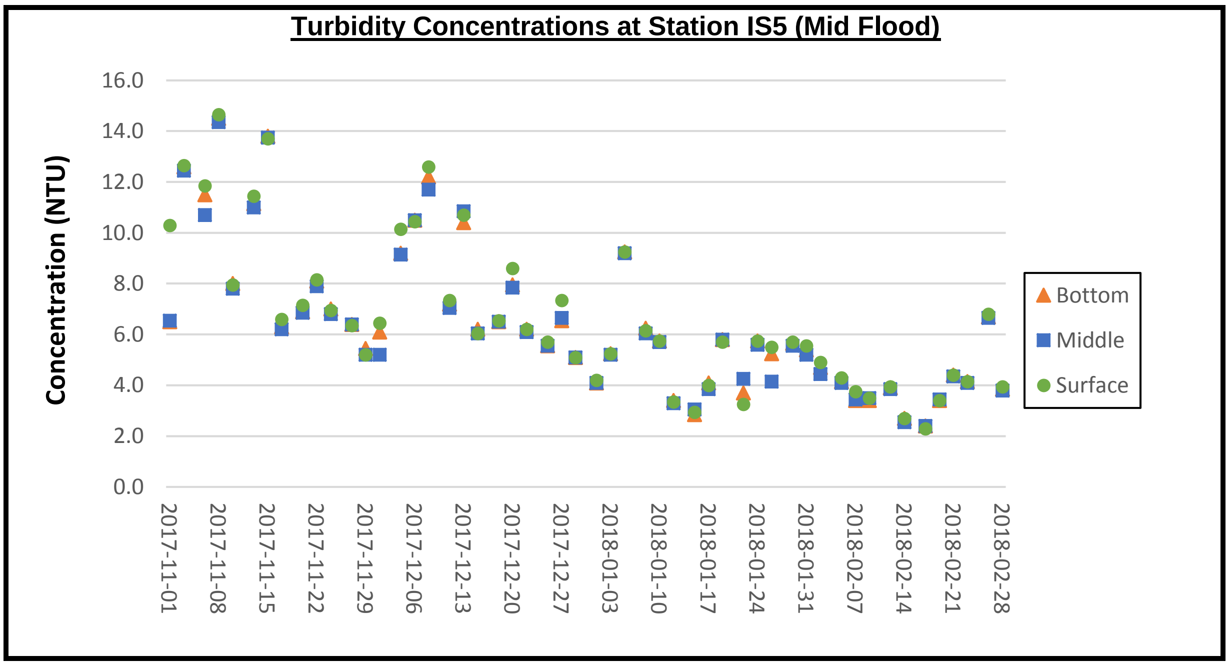

SS Concentrations at Station CS2(A) (Mid Ebb)
Concentration (mg/L)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

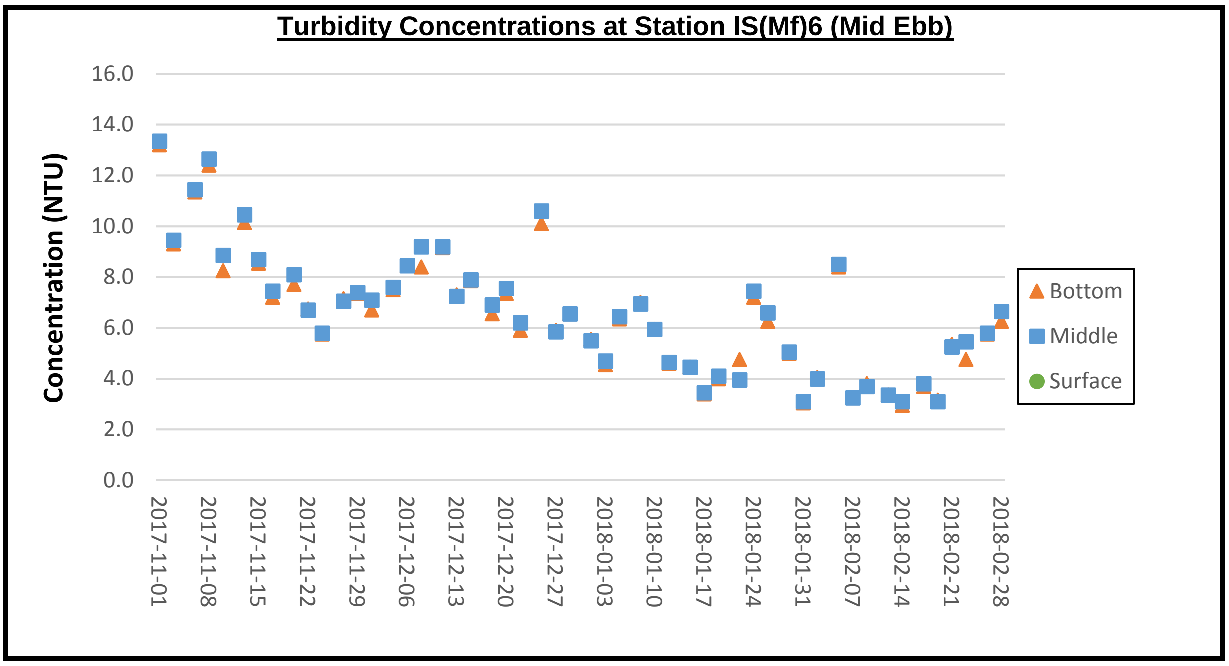

SS Concentrations at Station CS2(A) (Mid Flood)
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

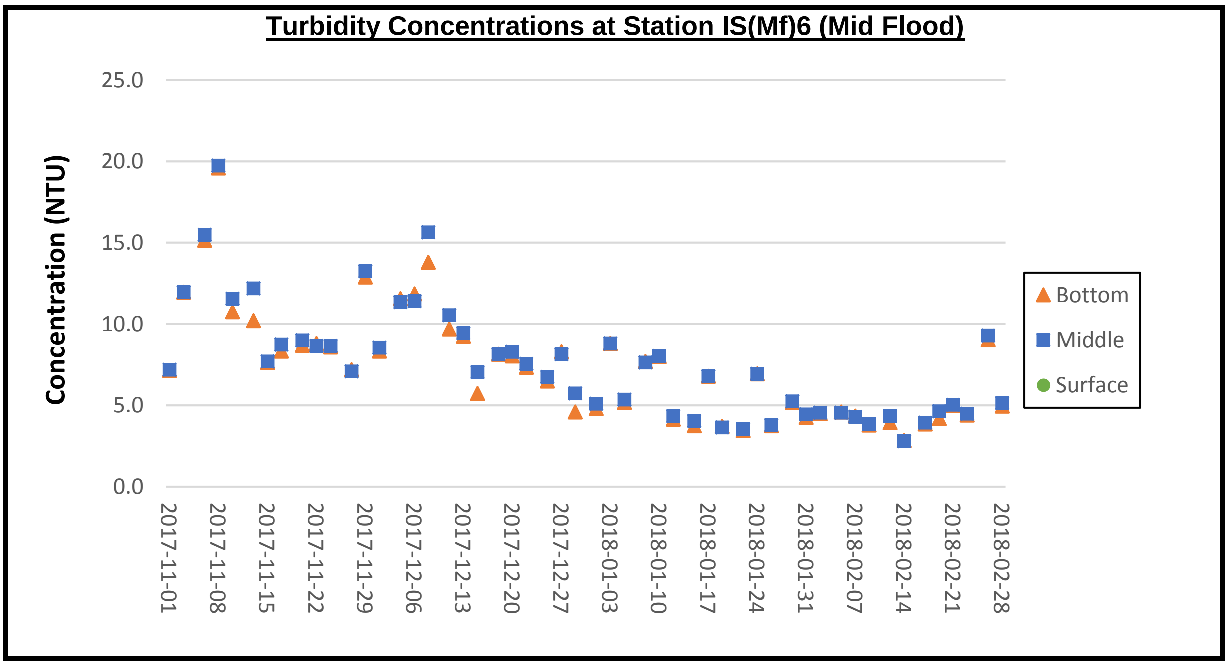

SS Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

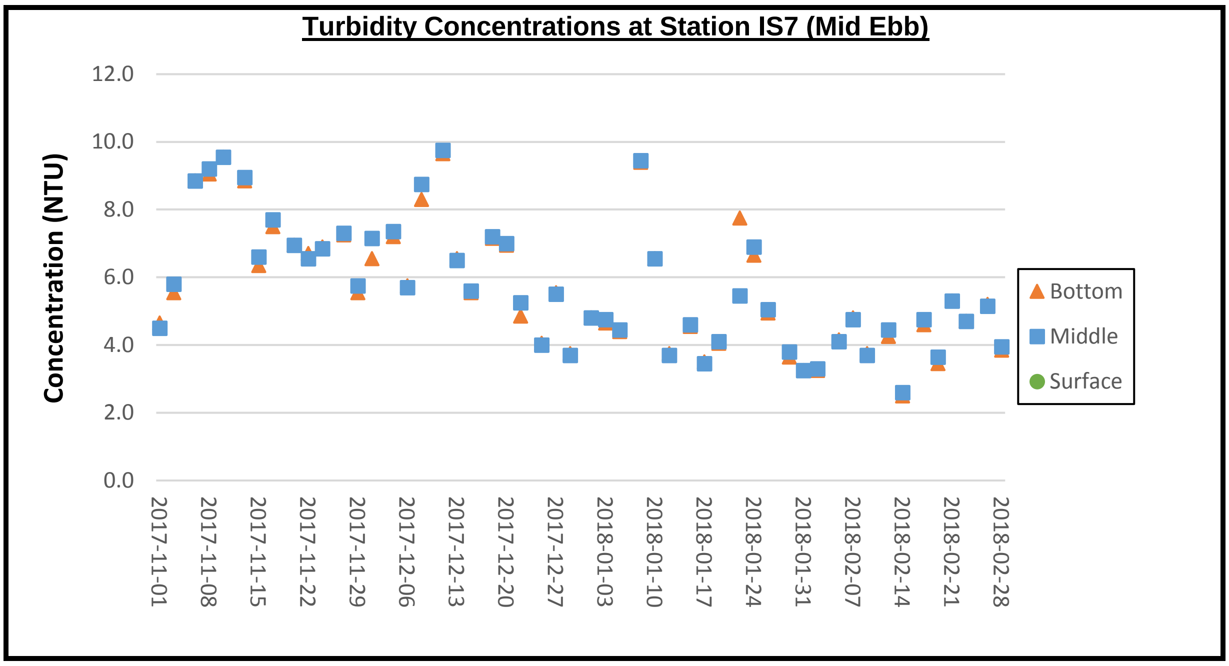

SS Concentrations at Station CS(Mf)5 (Mid Flood)
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

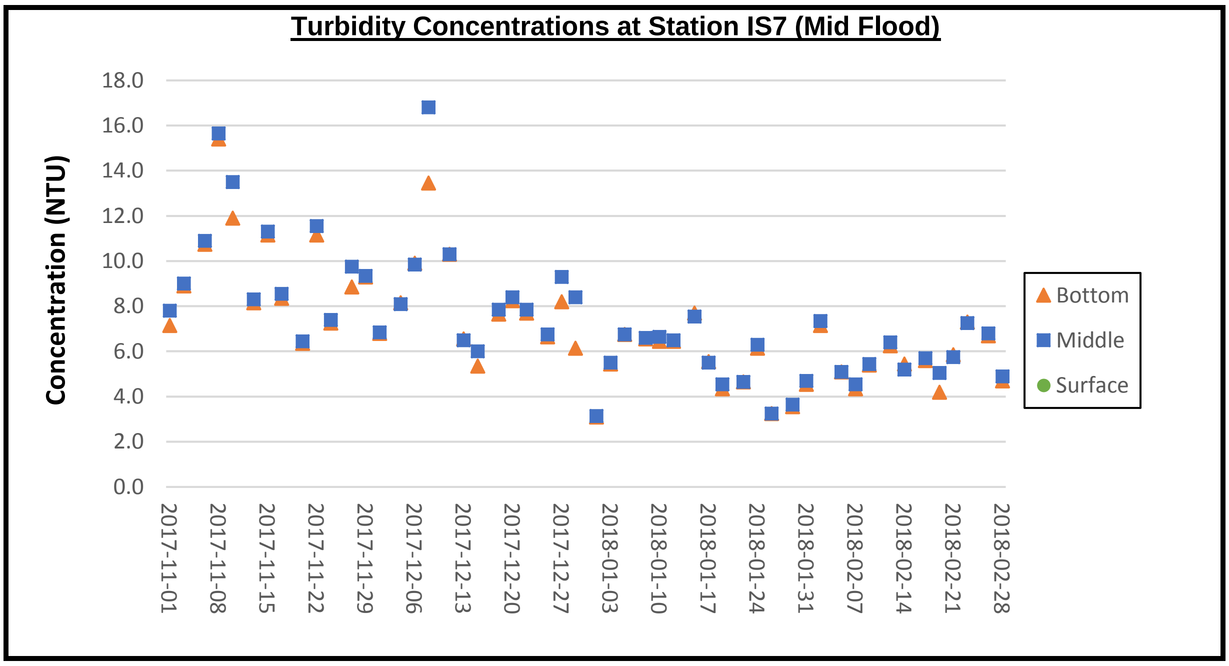

Turbidity Concentrations at Station IS5 (Mid Ebb)
Concentration (NTU)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

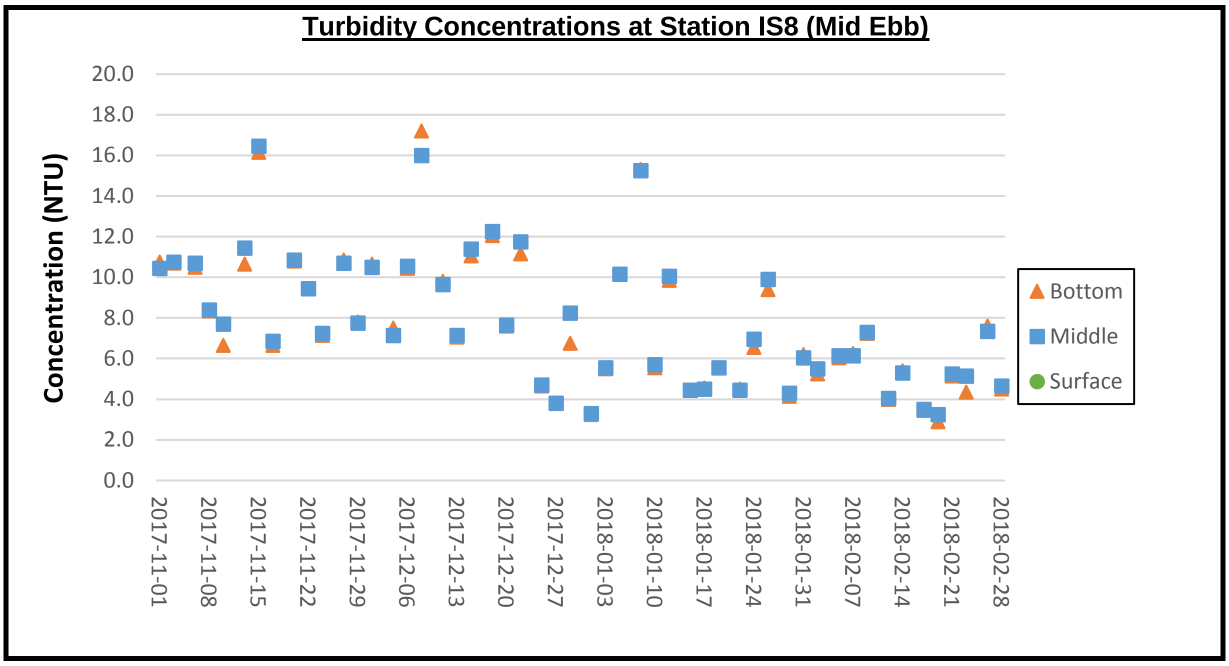

Turbidity Concentrations at Station IS5 (Mid Flood)
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface

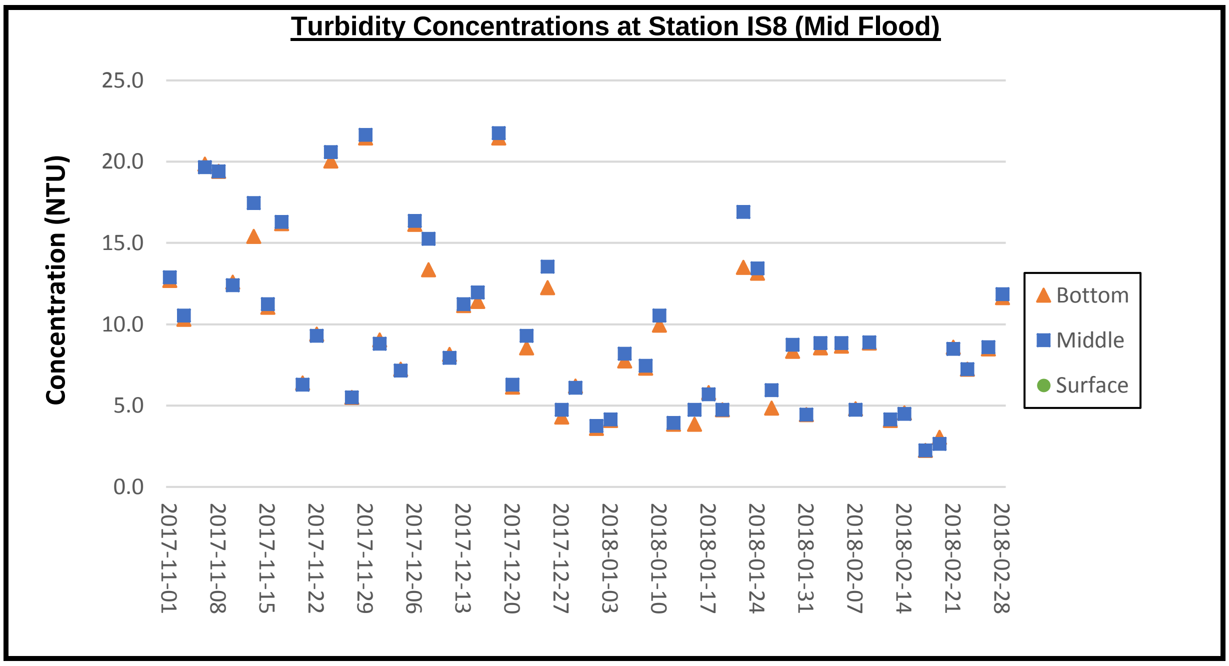

Turbidity Concentrations at Station IS(Mf)6 (Mid Flood)
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


Turbidity Concentrations at Station IS7 (Mid Ebb)
Concentration (NTU)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

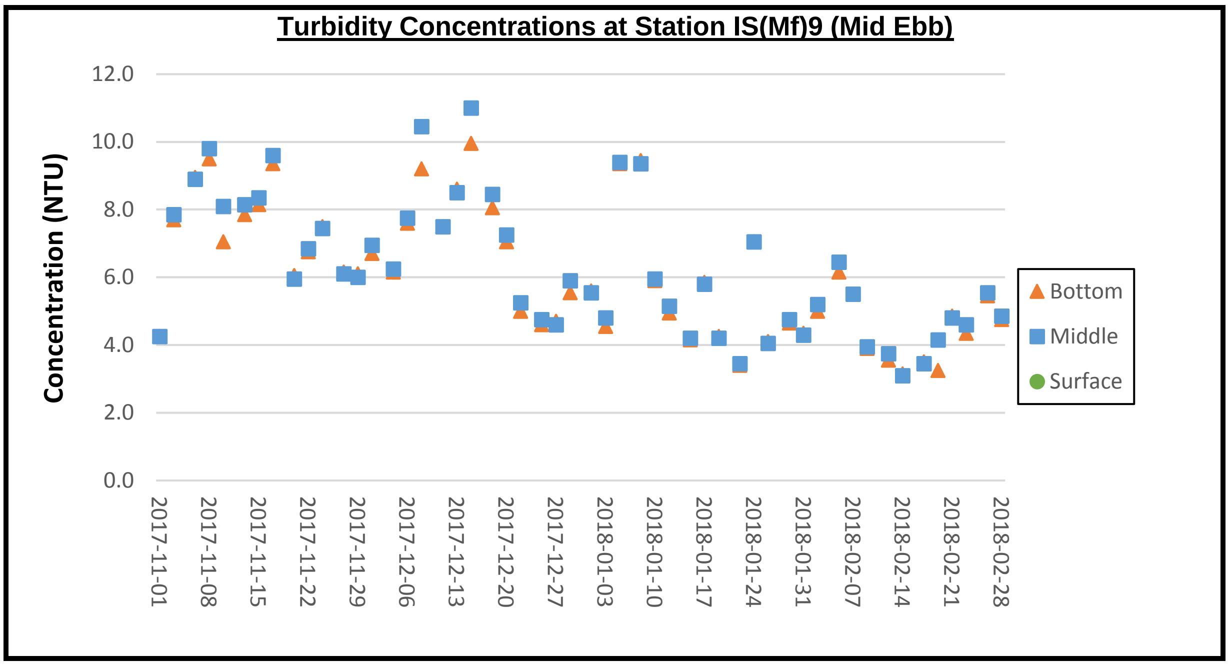

Turbidity Concentrations at Station IS7 (Mid Flood)
Concentration (NTU)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface



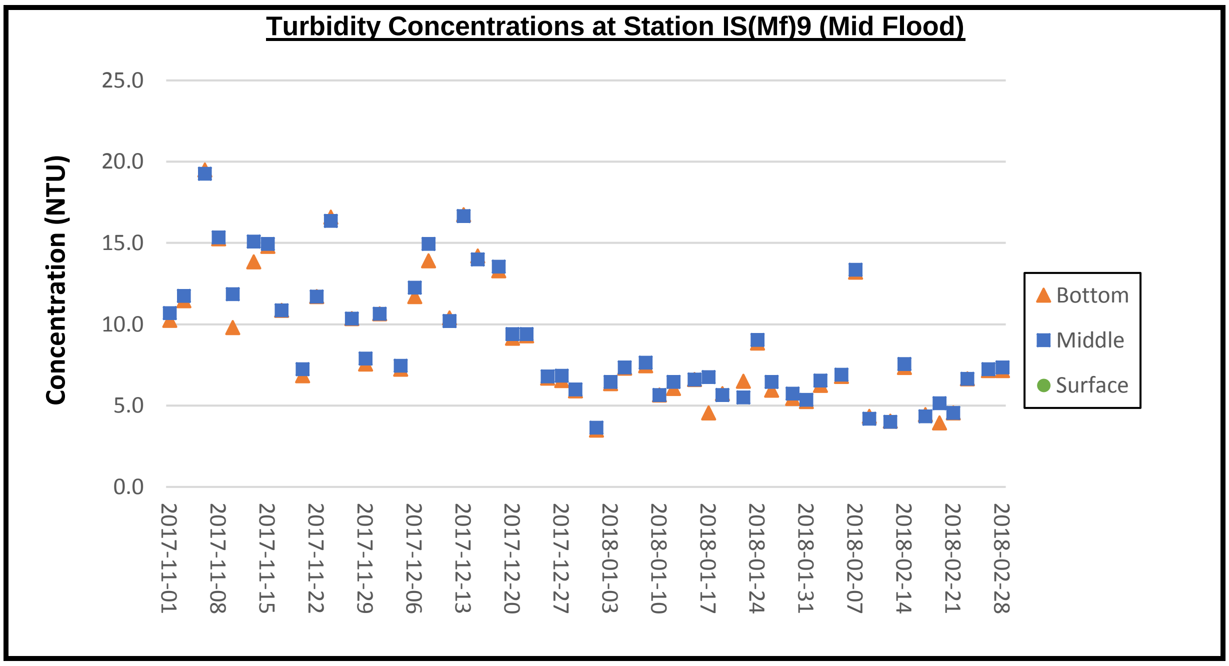
Turbidity Concentrations at Station IS8 (Mid Ebb)
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface



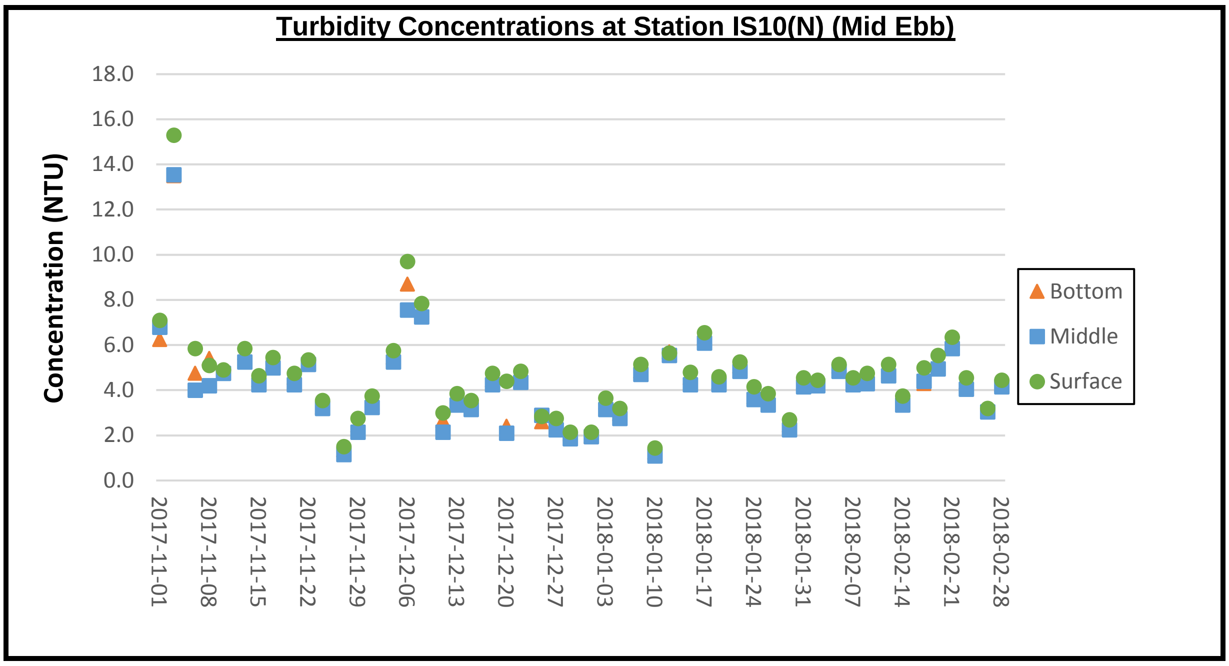
Turbidity Concentrations at Station IS8 (Mid Flood)
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface

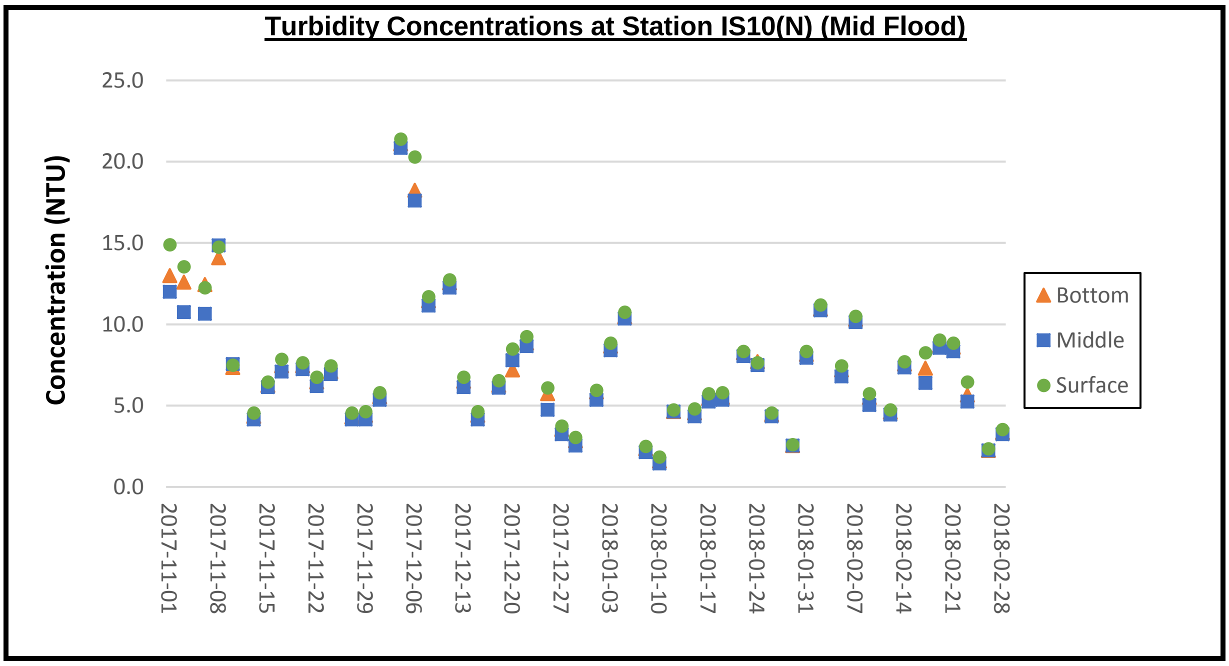


Turbidity Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (NTU)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface



Turbidity Concentrations at Station IS(Mf)9 (Mid Flood)
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station IS10(N) (Mid Ebb)
Concentration (NTU)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station IS10(N) (Mid Flood)
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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2018-01-24
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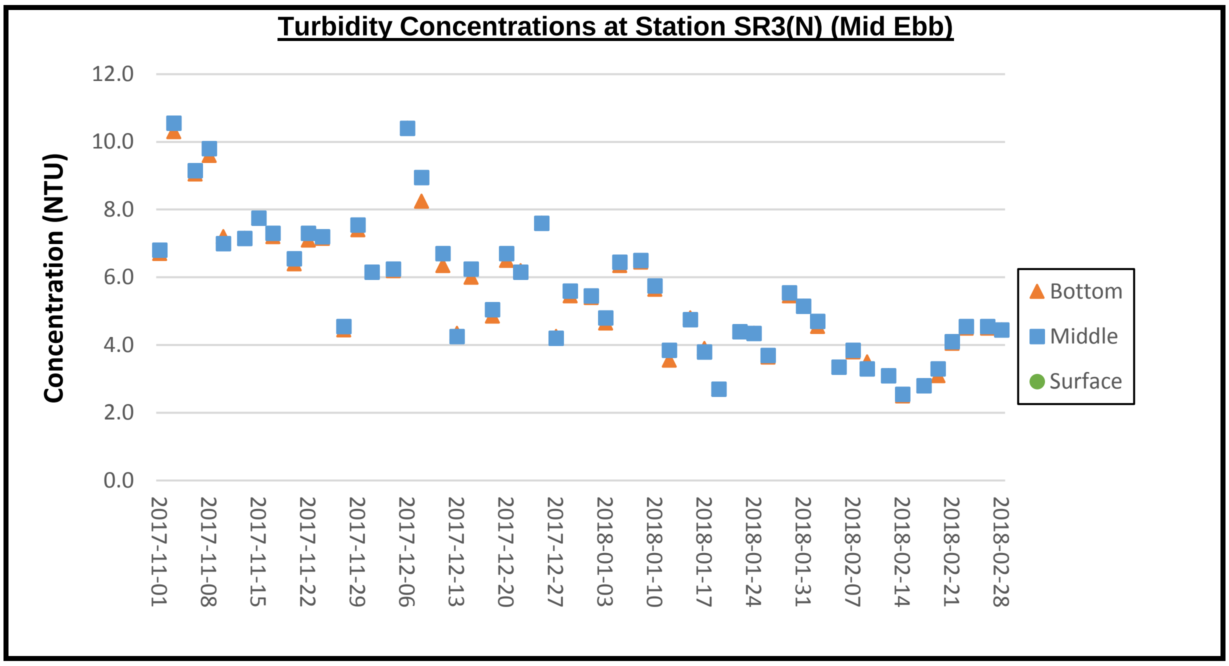
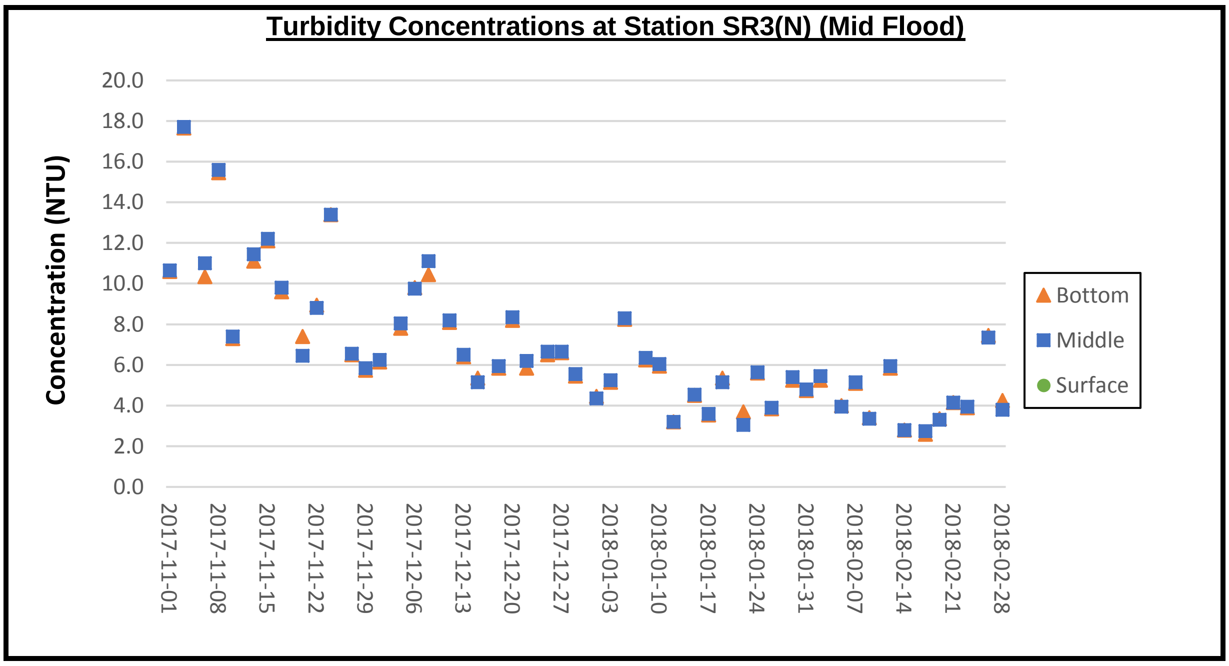
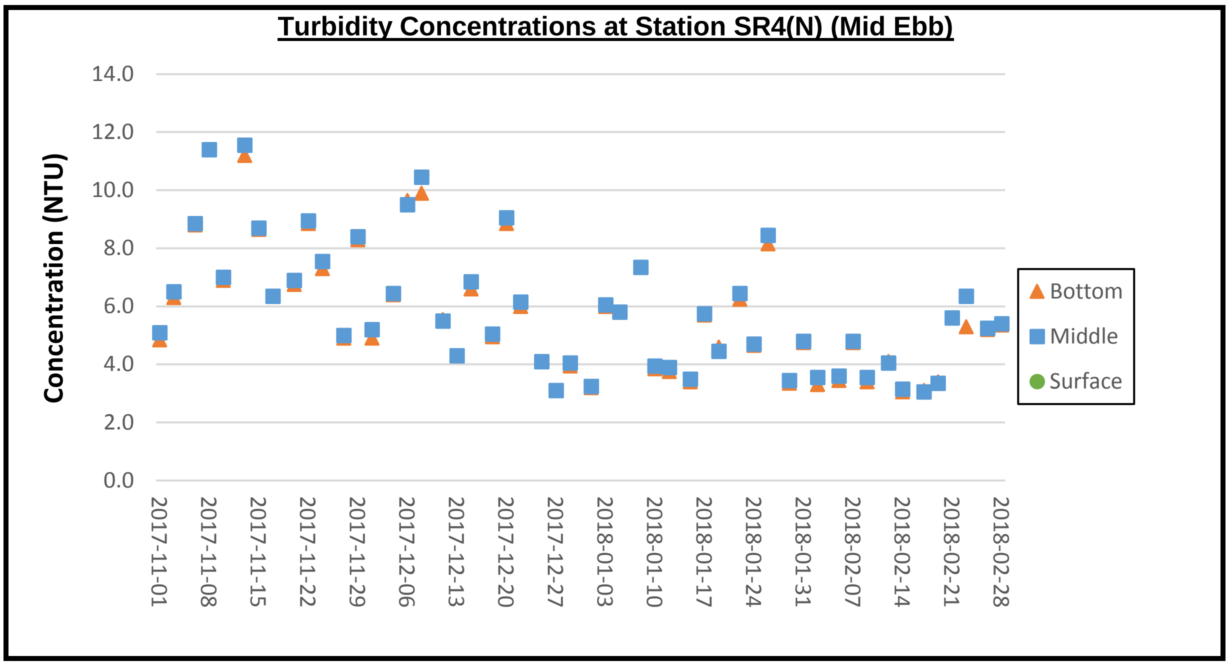
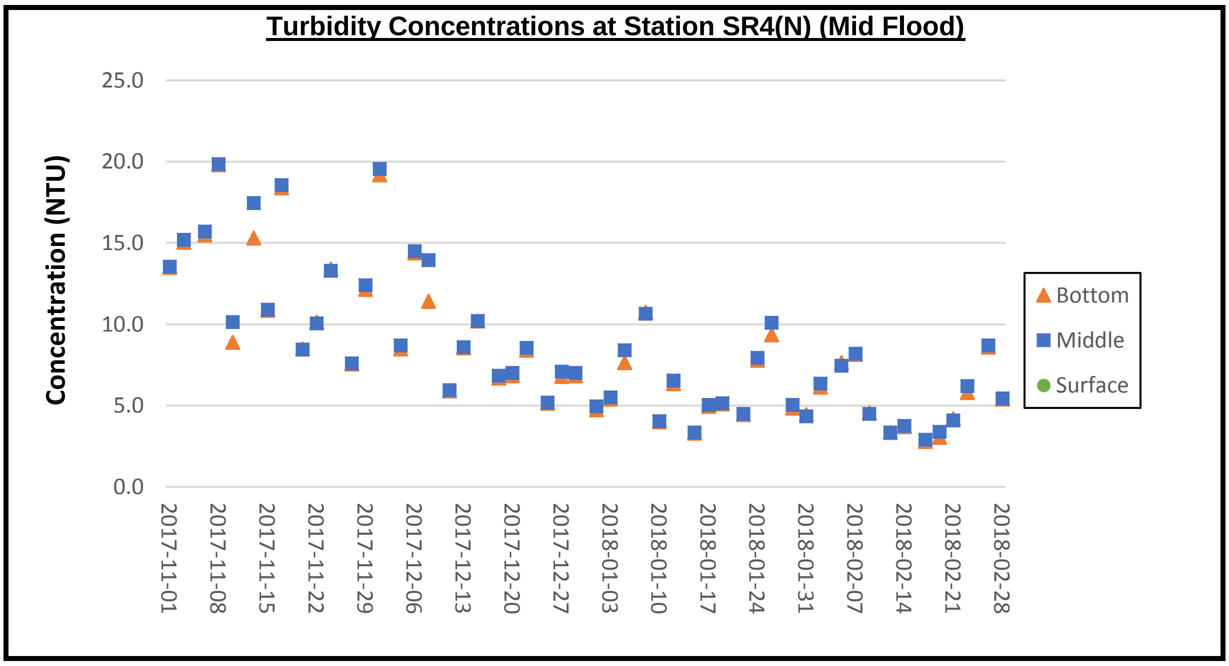
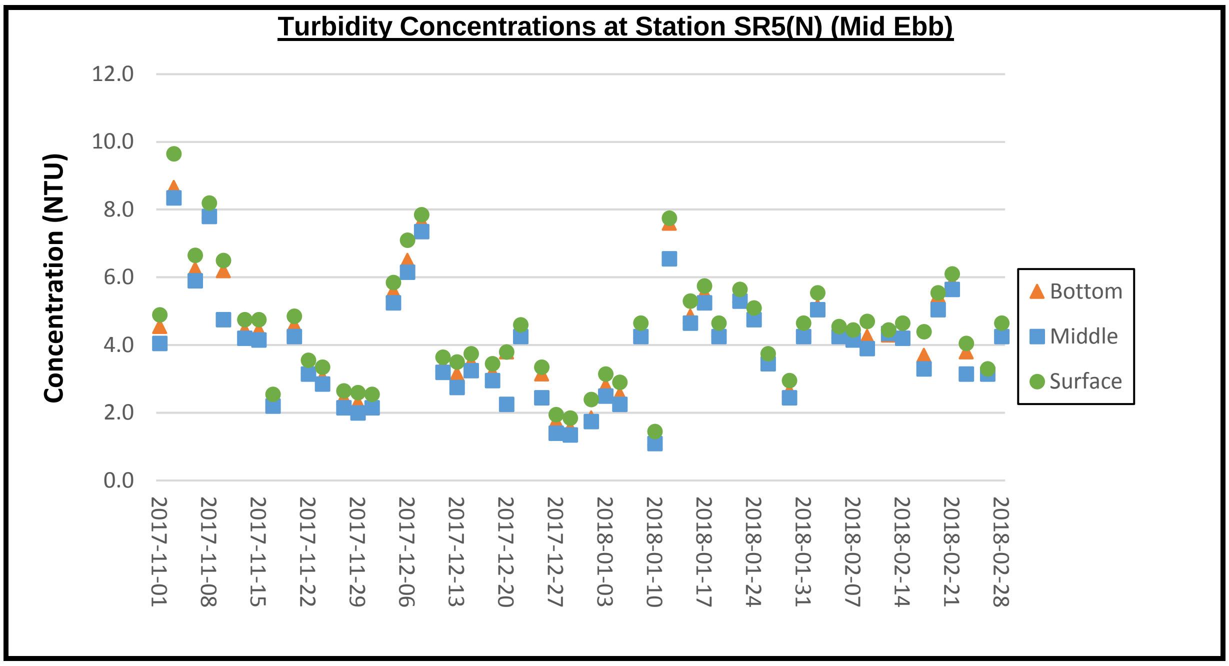
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station SR3(N) (Mid Ebb)
Concentration (NTU)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


Turbidity Concentrations at Station SR3(N) (Mid Flood)
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


Turbidity Concentrations at Station SR4(N) (Mid Ebb)
Concentration (NTU)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station SR4(N) (Mid Flood)
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station SR5(N) (Mid Ebb)
Concentration (NTU)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
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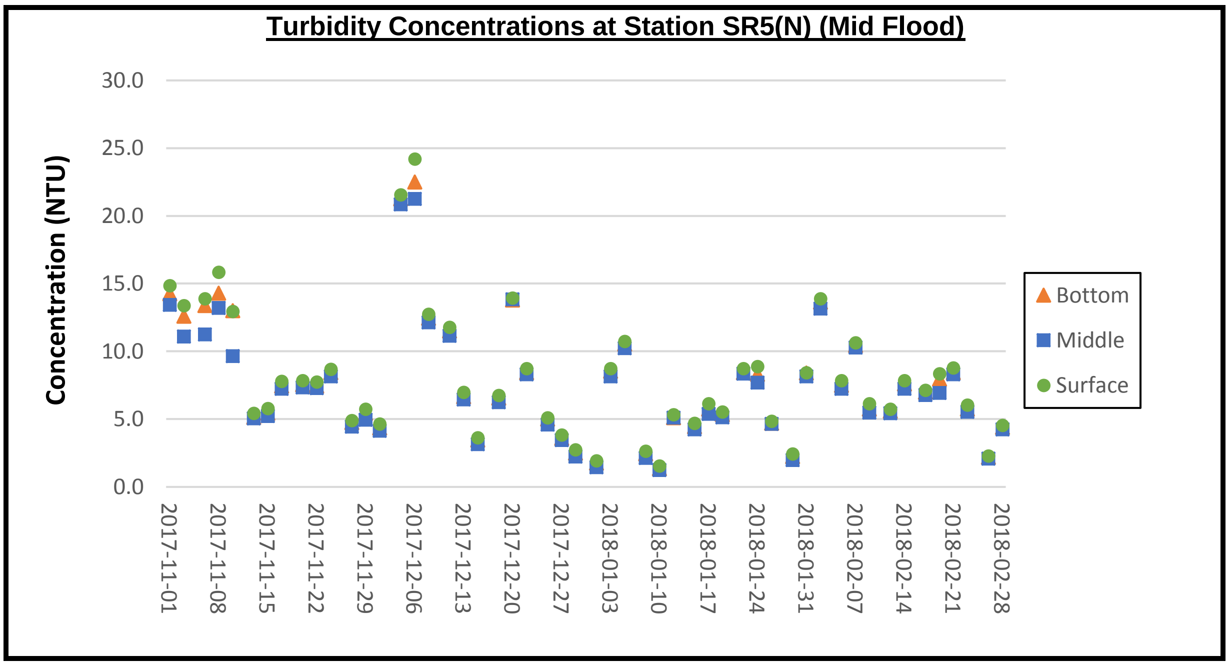
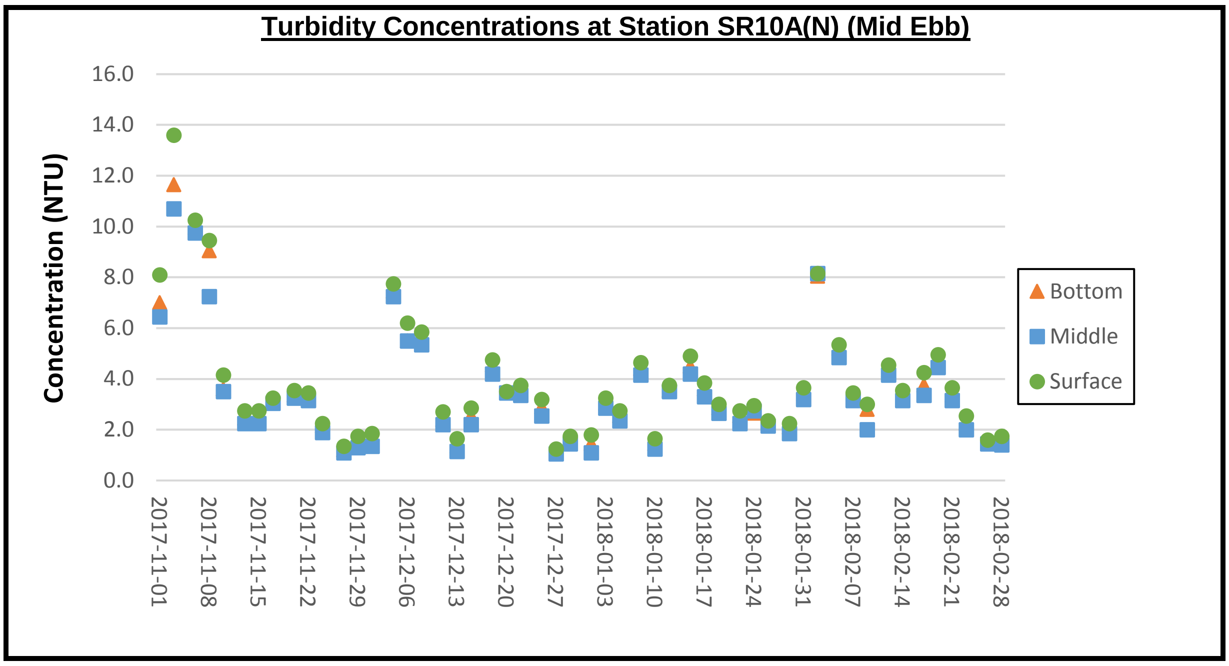
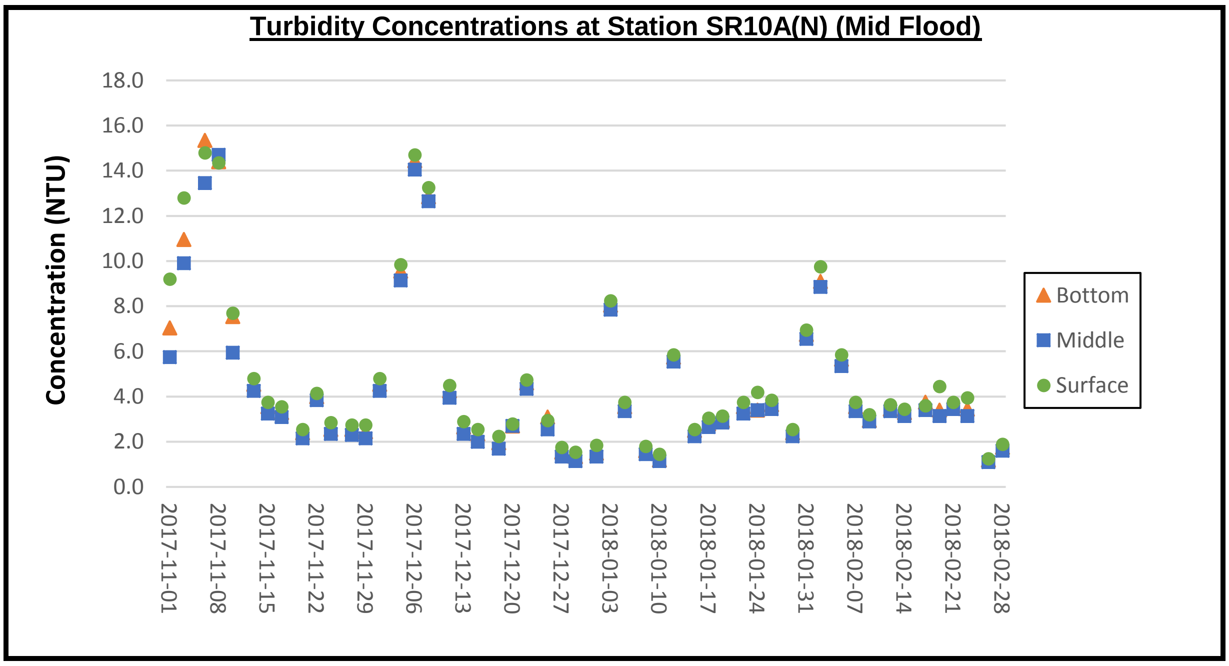
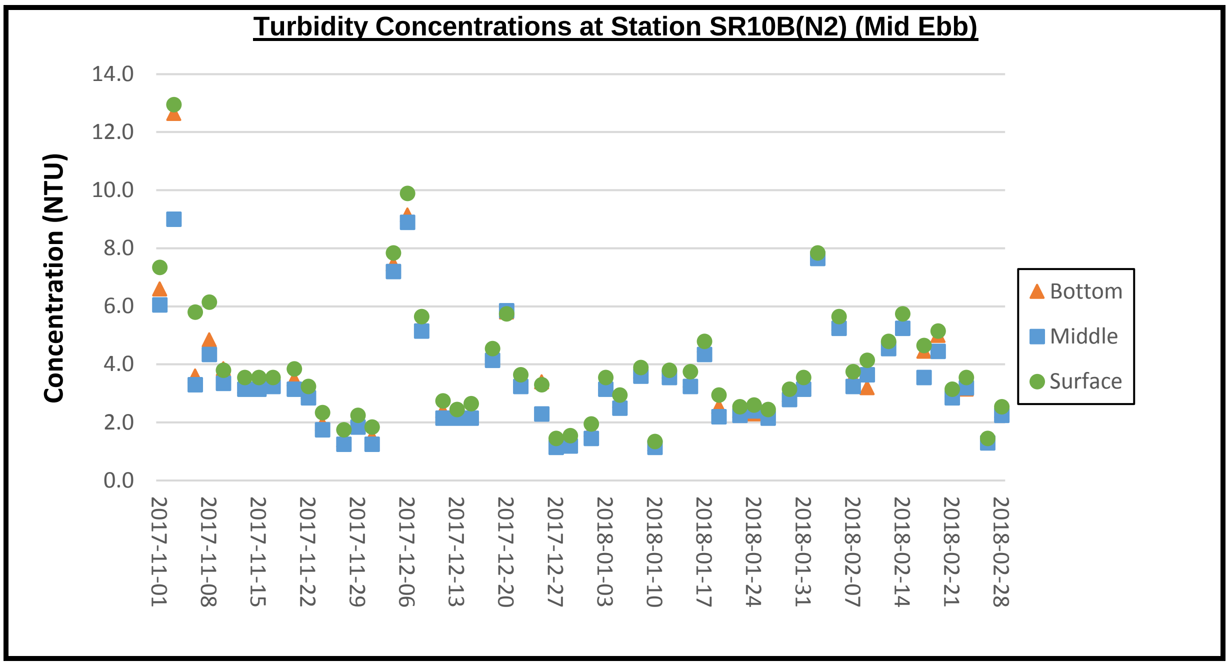
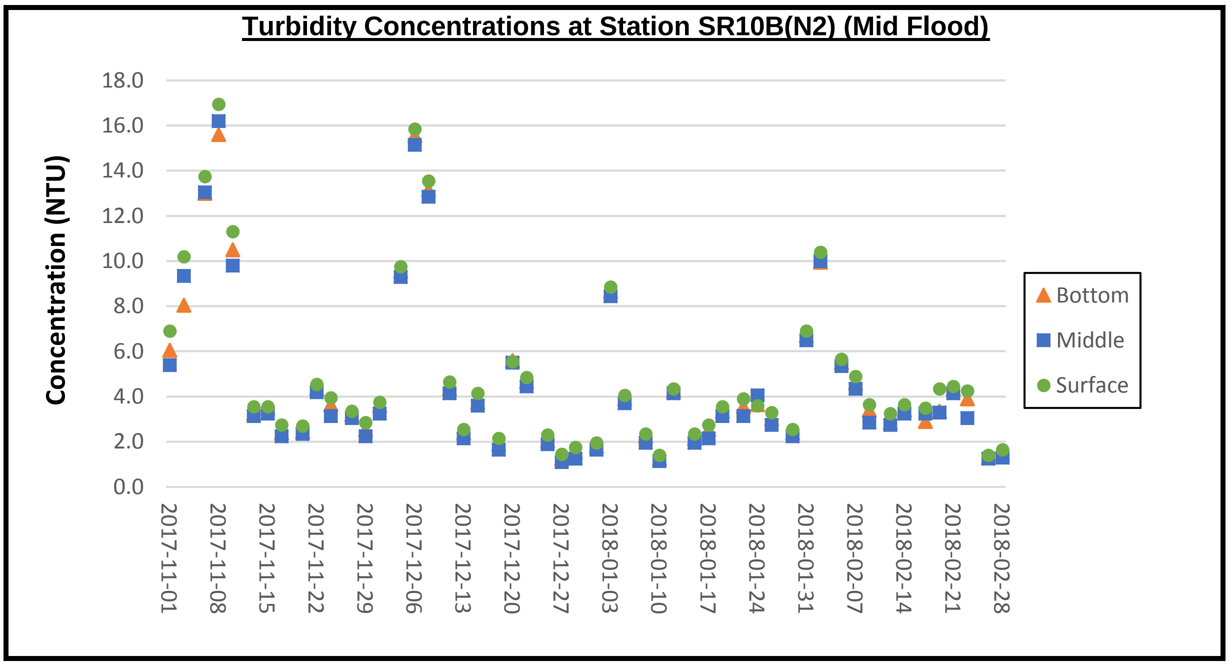
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

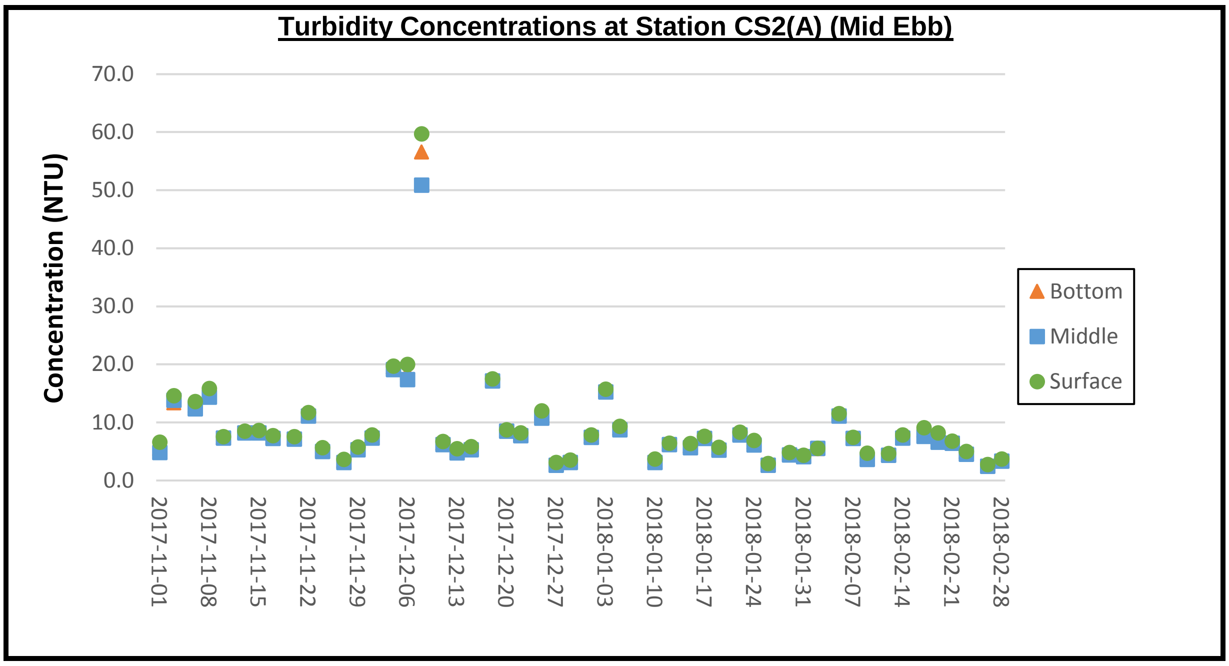

Turbidity Concentrations at Station SR5(N) (Mid Flood)
Concentration (NTU)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station SR10A(N) (Mid Ebb)
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface


Turbidity Concentrations at Station SR10A(N) (Mid Flood)
Concentration (NTU)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
▲ Bottom
■ Middle
● Surface

Turbidity Concentrations at Station SR10B(N2) (Mid Ebb)
Concentration (NTU)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

Turbidity Concentrations at Station SR10B(N2) (Mid Flood)
Concentration (NTU)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station CS2(A) (Mid Ebb)
Concentration (NTU)
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60.0
50.0
40.0
30.0
20.0
10.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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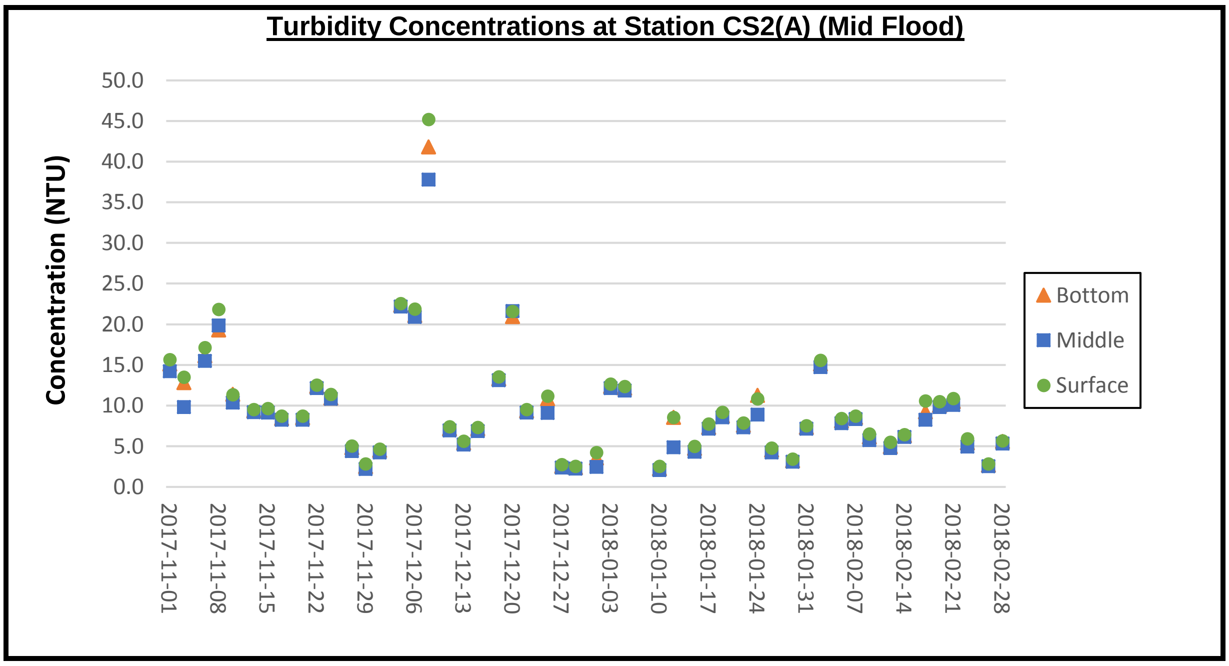
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station CS2(A) (Mid Flood)
Concentration (NTU)
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40.0
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30.0
25.0
20.0
15.0
10.0
5.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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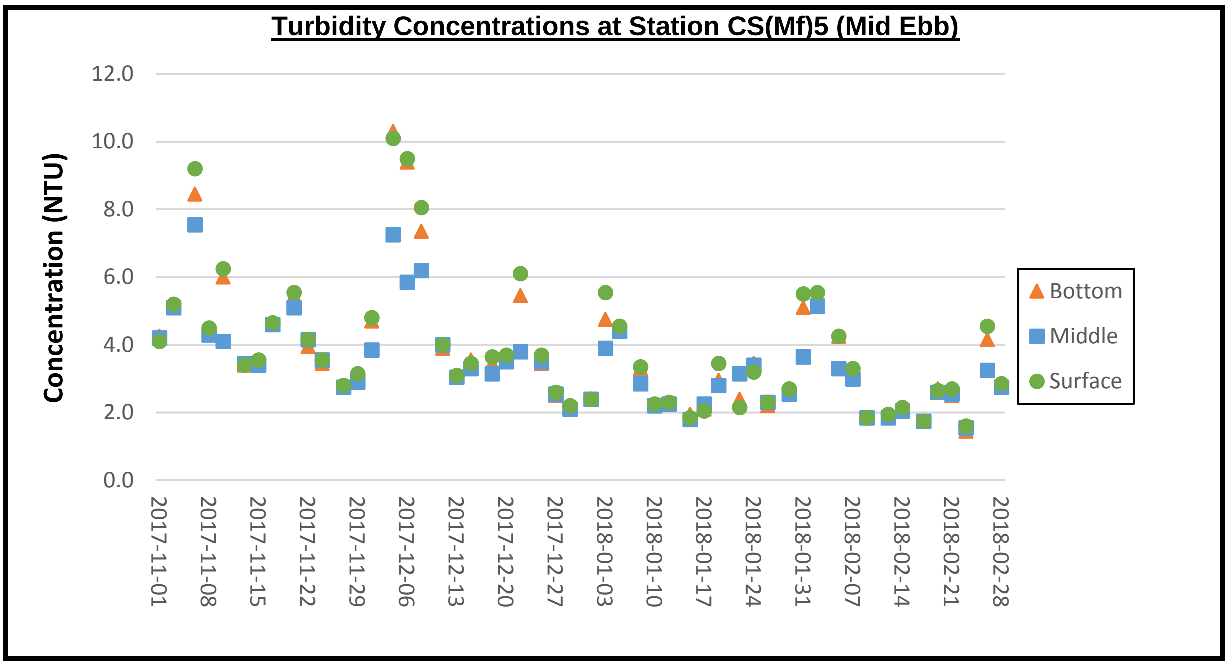
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (NTU)
12.0
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8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
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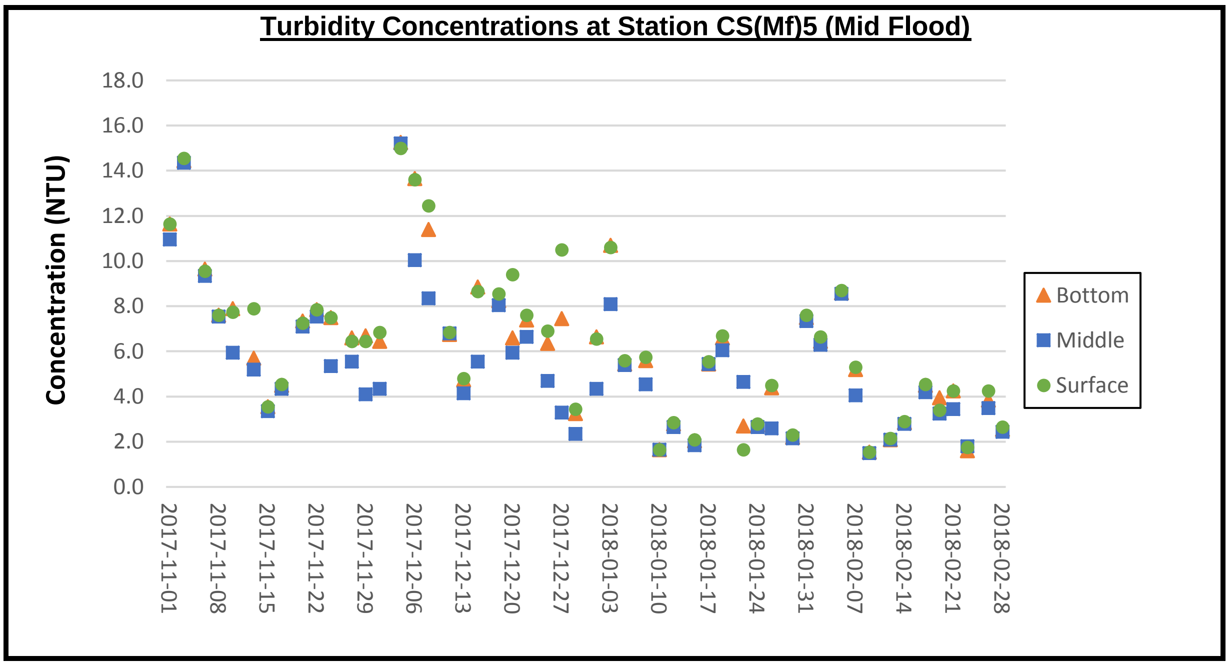
2018-02-21
2018-02-28
Bottom
Middle
Surface


Turbidity Concentrations at Station CS(Mf)5 (Mid Flood)
Concentration (NTU)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2017-11-01
2017-11-08
2017-11-15
2017-11-22
2017-11-29
2017-12-06
2017-12-13
2017-12-20
2017-12-27
2018-01-03
2018-01-10
2018-01-17
2018-01-24
2018-01-31
2018-02-07
2018-02-14
2018-02-21
2018-02-28
Bottom
Middle
Surface

APPENDIX J

Dolphin Monitoring Results

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

22nd Quarterly Progress Report (December 2017 – February 2018)
submitted to China State Construction Engineering (HK) Ltd.

Submitted by
Samuel K.Y. Hung, Ph.D., Hong Kong Cetacean Research Project

March 26, 2018

1. Introduction

1.1. The Hong Kong Link Road (HKLR) serves to connect the Hong Kong-Zhuhai-Macao Bridge (HZMB) Main Bridge at the Hong Kong Special Administrative Region (HKSAR) Boundary and the HZMB Hong Kong Boundary Crossing Facilities (HKBCF) located at the northeastern waters of the Hong Kong International Airport. The construction of HKLR is separated into two sections, with the construction for the section between Scenic Hill and Hong Kong Boundary Crossing Facilities being commenced in October 2012.

1.2. According to the updated Environmental Monitoring and Audit (EM&A) Manual (for HKLR), monthly line-transect vessel surveys for Chinese White Dolphin should be conducted to cover the Northwest and Northeast Lantau survey areas as in AFCD annual marine mammal monitoring programme.

1.3. Since October 2012, Hong Kong Cetacean Research Project (HKCRP) has been commissioned to conduct this 54-month dolphin monitoring study in order to collect data on Chinese White Dolphins during the construction phase (i.e. impact period) of the HKLR03 project in Northwest Lantau (NWL) and Northeast Lantau (NEL) survey areas, and to analyze the collected survey data to monitor distribution, encounter rate, activities and occurrence of dolphin calves. Photo-identification will also be collected from individual Chinese White Dolphins to examine their individual range patterns.

1.4. From the monitoring results, any changes in dolphin occurrence within the study area will be examined for possible causes, and appropriate actions and additional mitigation measures will be recommended as necessary.

1.5. This report is the 22nd quarterly progress report under the HKLR03 construction phase dolphin monitoring programme submitted to the China State Construction Engineering (HK) Limited, summarizing the results of the surveys findings during the period of December 2017 to February 2018.

2. Monitoring Methodology

2.1. Vessel-based Line-transect Survey

2.1.1. 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 1) twice per month throughout the entire construction period. The co-ordinates of all transect lines are shown in Table 1.

Table 1 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
6	Start Point	809490	822150		18	Start Point	821504	822371
6	End Point	809490	825352		18	End Point	821504	823761
7	Start Point	810499	822000		19	Start Point	822513	823268

7	End Point	810499	824613		19	End Point	822513	824321
8	Start Point	811508	821123		20	Start Point	823477	823402
8	End Point	811508	824254		20	End Point	823477	824613
9	Start Point	812516	821303		21	Start Point	805476	827081
9	End Point	812516	824254		21	End Point	805476	830562
10	Start Point	813525	821176		22	Start Point	806464	824033
10	End Point	813525	824657		22	End Point	806464	829598
11	Start Point	814556	818853		23	Start Point	814559	821739
11	End Point	814556	820992		23	End Point	814559	824768
12	Start Point	815542	818807		24	Start Point	805476	815900
12	End Point	815542	824882		24	End Point	805476	819100

2.1.2. 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 19 years of marine mammal monitoring surveys in Hong Kong developed by HKCRP (see Hung 2017). For each monitoring vessel survey, a 15-m inboard vessel with an open upper deck (about 4.5 m above water surface) was used to make observations from the flying bridge area.

2.1.3. 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.

2.1.4. 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*).

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

2.1.6. 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.

2.1.7. Survey effort being conducted along the parallel transect lines that were perpendicular to the coastlines (as indicated in Figure 1) was labeled as "primary" survey effort, while the survey effort conducted along the connecting lines between parallel lines was labeled as "secondary" survey effort. According to HKCRP long-term dolphin monitoring data, encounter rates of Chinese white dolphins deduced from effort and sighting data collected along primary and secondary lines were similar in NEL and NWL survey areas. Therefore, both primary and secondary survey effort were presented as on-effort survey effort in this report.

2.2. Photo-identification Work

2.2.1. 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.

2.2.2. One to two professional digital cameras (*Canon* EOS 7D and/or 60D models), each 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.

2.2.3. 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.

2.2.4. 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).

2.2.5. 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.

2.3. Data analysis

2.3.1. Distribution Analysis – The line-transect survey data was integrated with the Geographic Information System (GIS) in order to visualize and interpret different spatial and temporal patterns of dolphin distribution using sighting positions. Location data of dolphin groups were plotted on map layers of Hong Kong using a desktop GIS (ArcView© 3.1) to examine their distribution patterns in details. The dataset was also stratified into different subsets to examine distribution patterns of dolphin groups with different categories of group sizes, young calves and activities.

2.3.2. Encounter rate analysis – Encounter rates of Chinese white dolphins (number of on-effort sightings per 100 km of survey effort, and total number of dolphins sighted on-effort 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. Dolphin encounter rates were calculated in two ways for comparisons with the HZMB baseline monitoring results as well as to AFCD long-term marine mammal monitoring results.

Firstly, for the comparison with the HZMB baseline monitoring results, the encounter rates were calculated using primary survey effort alone, and only data collected under Beaufort 3 or below condition would be used for encounter rate analysis. The average encounter rate of sightings (STG) and average encounter rate of dolphins (ANI) were deduced based on the encounter rates from six events during the present quarter (i.e. six sets of line-transect surveys in North Lantau), which was also compared with the one deduced from the six events during the baseline period (i.e. six sets of line-transect surveys in North Lantau).

Secondly, the encounter rates were calculated using both primary and secondary survey effort collected under Beaufort 3 or below condition as in AFCD long-term monitoring study. The encounter rate of sightings and dolphins were deduced by dividing the total number of on-effort sightings (STG) and total number of dolphins (ANI) by the amount of survey effort for the present quarterly period.

2.3.3. Quantitative grid analysis on habitat use – To conduct quantitative grid analysis of habitat use, positions of on-effort sightings of Chinese White Dolphins collected during the quarterly impact phase monitoring period were plotted onto 1-km^2 grids among NWL and NEL survey areas on GIS. Sighting densities (number of on-effort sightings per km^2) and dolphin densities (total number of dolphins from on-effort sightings per km^2) were then calculated for each 1 km by 1 km grid with the aid of GIS.

Sighting density grids and dolphin density grids were then further normalized with the amount of survey effort conducted within each grid. The total amount of survey effort spent on each grid was calculated by examining the survey coverage on each line-transect survey to determine how many times the grid was surveyed during the study period. For example, when the survey boat traversed through a specific grid 50 times, 50 units of survey effort were counted for that grid. With the amount of survey effort calculated for each grid, the sighting density and dolphin density of each grid were then normalized (i.e. divided by the unit of survey effort).

The newly-derived unit for sighting density was termed SPSE, representing the number of on-effort **s**ightings **p**er 100 units of **s**urvey **e**ffort. In addition, the derived unit for actual dolphin density was termed DPSE, representing the number of **d**olphins **p**er 100 units of **s**urvey **e**ffort. Among the 1-km^2 grids that were partially covered by land, the percentage of sea area was calculated using GIS tools, and their SPSE and DPSE values were adjusted accordingly. The following formulae were used to estimate SPSE and DPSE in each 1-km^2 grid within the study area:

$$SPSE = ((S / E) \times 100) / SA\%$$
$$DPSE = ((D / E) \times 100) / SA\%$$

where
S = total number of on-effort sightings
D = total number of dolphins from on-effort sightings
E = total number of units of survey effort
SA% = percentage of sea area

2.3.4. Behavioural analysis – When dolphins were sighted during vessel surveys, their behaviour was observed. Different activities were categorized (i.e. feeding, milling/resting, traveling, socializing) and recorded on sighting datasheets. This data was then input into a separate database with sighting information, which can be used to determine the distribution of behavioural data with a desktop GIS. Distribution of sightings of dolphins engaged in different activities and behaviours would then be plotted on GIS and carefully examined to identify important areas for different activities of the dolphins.

2.3.5. Ranging pattern analysis – Location data of individual dolphins that occurred during the 3-month impact phase monitoring period were obtained from the dolphin sighting database and photo-identification catalogue. To deduce home ranges for individual dolphins using the fixed kernel methods, the program Animal Movement Analyst Extension, was loaded as an extension with ArcView© 3.1 along with another extension Spatial Analyst 2.0. Using the fixed kernel method, the program calculated kernel density estimates based on all sighting positions, and provided an active interface to display kernel density plots. The kernel estimator then calculated and displayed the overall ranging area at 95% UD level.

3. Monitoring Results

3.1. Summary of survey effort and dolphin sightings

3.1.1. During the period of December 2017 to February 2018, six sets of systematic line-transect vessel surveys were conducted to cover all transect lines in NWL and NEL survey areas twice per month.

3.1.2. From these surveys, a total of 797.53 km of survey effort was collected, with 88.8% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility). Among the two areas, 296.70 km and 500.83 km of survey effort were conducted in NEL and NWL survey areas respectively.

3.1.3. The total survey effort conducted on primary lines was 582.13 km, while the effort on secondary lines was 215.40 km. Survey effort conducted on both primary and secondary lines were considered as on-effort survey data. A summary table of the survey effort is shown in Annex I.

3.1.4. During the six sets of monitoring surveys in December 2017 to February 2018, 17 groups of 45 Chinese White Dolphins were sighted, with the summary table of the dolphin sightings shown in Annex II. All except one dolphin sighting were made during on-effort search, while 14 of the 16 on-effort dolphin sightings were made on primary lines.

3.1.5. In addition, all dolphin groups were sighted in NWL, and no dolphin was sighted at all in NEL. In fact, since August 2014, only two sightings of two lone dolphins were made respectively in NEL during HKLR03 monitoring surveys. However, it should be noted that a rare dolphin sighting with five individuals was made recently in NEL in February 2018 during a HKBCF monitoring survey.

3.2. Distribution

3.2.1. Distribution of dolphin sightings made during monitoring surveys conducted in December 2017 to February 2018 is shown in Figure 1. The majority of sightings were made at the western end of the North Lantau region, with higher concentration of sightings to the west and northwest of Lung Kwu Chau (Figure 1). Several sightings were also made between Lung Kwu Chau and Sha Chau, to the west of the airport platform, near Lung Kwu Tan and Pillar Point (Figure 1). As consistently recorded in the previous monitoring quarters, the dolphins were completely absent from the central and eastern portions of North Lantau waters (Figure 1).

3.2.2. All dolphin sightings were located far away from the HKLR03 and HKBCF reclamation sites as well as along the alignment and Tuen Mun-Chek Lap Kok Link (TMCLKL) (Figure 1). However, several sightings were made adjacent to the alignment of HKLR09 (Figure 1).

3.2.3. Sighting distribution of dolphins during the present impact phase monitoring period (December 2017-February 2018) was drastically different from the one during the baseline monitoring period (Figure 1). In the present quarter, dolphins have disappeared from the NEL region, which was in stark contrast to their frequent occurrence around the Brothers Islands, near Shum Shui Kok and in the vicinity of HKBCF reclamation site during the baseline period (Figure 1). The nearly complete abandonment of NEL region by the dolphins has been consistently recorded in the past 19 quarters of HKLR03 monitoring, which has resulted in zero to extremely low dolphin encounter rates in this area.

3.2.4. In NWL survey area, dolphin occurrence was also significantly different between the baseline and impact phase periods. During the present impact monitoring period, dolphins were less frequently sighted here, and mainly at the western end of the area, which was in contrary to their frequent occurrences throughout the area during the baseline period (Figure 1).

3.2.5. Another comparison in dolphin distribution was made between the six quarterly periods of winter months in 2012-18 (Figure 2). Among the six winter periods, dolphins were sighted regularly in NWL waters in 2012-13 and 2013-14, but their usage there was progressively reduced in the four subsequent winter periods, with their only occurrences mostly concentrated at the western end of the survey area (Figure 2).

3.3. Encounter rate

3.3.1. During the present three-month study period, the encounter rates of Chinese White Dolphins deduced from the survey effort and on-effort sighting data from the primary transect lines under favourable conditions (Beaufort 3 or below) for each set of the surveys in NEL and NWL are shown in Table 2. The average encounter rates deduced from the six sets of surveys were also compared with the ones deduced from the baseline monitoring period (September – November 2011) (Table 3).

3.3.2. To facilitate the comparison with the AFCD long-term monitoring results, the encounter rates were also calculated for the present quarter using both primary and secondary survey effort. The encounter rates of sightings (STG) and dolphins (ANI) in NWL were 3.6 sightings and 10.2 dolphins per 100 km of survey effort respectively, while the encounter rates of sightings (STG) and dolphins (ANI) in NEL were both nil for this quarter.

Table 2. Dolphin encounter rates (sightings per 100 km of survey effort) during December 2017 – February 2018

SURVEY AREA	**DOLPHIN MONITORING DATES**	**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**
Northeast Lantau	Set 1 (5 & 12 Dec 2017)	0.00	0.00
	Set 2 (15 & 20 Dec 2017)	0.00	0.00
	Set 3 (2 & 8 Jan 2018)	0.00	0.00
	Set 4 (16 & 25 Jan 2018)	0.00	0.00
	Set 5 (2 & 9 Feb 2018)	0.00	0.00
	Set 6 (14 & 22 Feb 2018)	0.00	0.00
Northwest Lantau	Set 1 (5 & 12 Dec 2017)	1.66	8.32
	Set 2 (15 & 20 Dec 2017)	8.39	22.37
	Set 3 (2 & 8 Jan 2018)	5.68	45.42
	Set 4 (16 & 25 Jan 2018)	3.43	3.43
	Set 5 (2 & 9 Feb 2018)	4.38	6.56
	Set 6 (14 & 22 Feb 2018)	4.97	8.29

Table 3. Comparison of average dolphin encounter rates from impact monitoring period (December 2017 – February 2018) and baseline monitoring period (September – November 2011) (Note: encounter rates deduced from the baseline monitoring period have been recalculated based only on survey effort and on-effort sighting data made along the primary transect lines under favourable conditions; ± denotes the standard deviation of the average encounter rates)

	Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)		**Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort)	
	December 2017 – February 2018	**September – November 2011**	**December 2017 – February 2018**	**September – November 2011**
Northeast Lantau	0.0	6.00 ± 5.05	0.0	22.19 ± 26.81
Northwest Lantau	4.75 ± 2.26	9.85 ± 5.85	15.73 ± 15.94	44.66 ± 29.85

3.3.3. In NEL, the average dolphin encounter rates (both STG and ANI) in the present three-month impact monitoring period were both zero with no on-effort sighting being made, and such extremely low occurrence of dolphins in NEL have been consistently recorded in the past 19 quarters of HKLR03 monitoring (Table 4). This is a serious concern as the dolphin occurrence in NEL in the past few years (0.0-1.0 for ER(STG) and 0.0-3.9 for ER(ANI)) have remained exceptionally low when compared to the baseline period (Table 4). Dolphins have been virtually absent from NEL waters since January 2014, with only three groups of six dolphins sighted there since then despite consistent and intensive survey effort being conducted in this survey area.

Table 4. Comparison of average dolphin encounter rates in Northeast Lantau survey area from all quarters of impact monitoring period and baseline monitoring period (September-November 2011) (Note: encounter rates deduced from the baseline monitoring period have been recalculated based only on survey effort and on-effort sighting data made along the primary transect lines under favourable conditions; the encounter rates in **winter** months were highlighted in **blue**; ± denotes the standard deviation of the average encounter rates)

	Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)	**Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort)
September-November 2011 (Baseline)	6.00 ± 5.05	22.19 ± 26.81
December 2012-February 2013 (Impact)	**3.14 ± 3.21**	**6.33 ± 8.64**
March-May 2013 (Impact)	0.42 ± 1.03	0.42 ± 1.03
June-August 2013 (Impact)	0.88 ± 1.36	3.91 ± 8.36
September-November 2013 (Impact)	1.01 ± 1.59	3.77 ± 6.49
December 2013-February 2014 (Impact)	**0.45 ± 1.10**	**1.34 ± 3.29**
March-May 2014 (Impact)	0.00	0.00
June-August 2014 (Impact)	0.42 ± 1.04	1.69 ± 4.15
September-November 2014 (Impact)	0.00	0.00
December 2014-February 2015 (Impact)	**0.00**	**0.00**
March-May 2015 (Impact)	0.00	0.00
June-August 2015 (Impact)	0.44 ± 1.08	0.44 ± 1.08
September-November 2015 (Impact)	0.00	0.00
December 2015-February 2016 (Impact)	**0.00**	**0.00**
March-May 2016 (Impact)	0.00	0.00
June-August 2016 (Impact)	0.00	0.00
September-November 2016 (Impact)	0.00	0.00
December 2016-February 2017 (Impact)	**0.00**	**0.00**
March-May 2017 (Impact)	0.00	0.00
June-August 2017 (Impact)	0.00	0.00
September-November 2017 (Impact)	0.00	0.00
December 2017-February 2018 (Impact)	**0.00**	**0.00**

3.3.4. On the other hand, the average dolphin encounter rates (STG and ANI) in NWL during the present impact phase monitoring period (reductions of 68.3% and 76.8% respectively) were only a fraction of the ones recorded during the three-month baseline period, indicating a dramatic decline in dolphin usage of this survey area as well during the present impact phase period (Table 5).

Table 5. Comparison of average dolphin encounter rates in Northwest Lantau survey area from all quarters of impact monitoring period and baseline monitoring period (September-November 2011) (Note: encounter rates deduced from the baseline monitoring period have been recalculated based only on survey effort and on-effort sighting data made along the primary transect lines under favourable conditions; the encounter rates in **winter** months were highlighted in **blue**; ± denotes the standard deviation of the average encounter rates)

	Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)	**Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort)
September-November 2011 (Baseline)	9.85 ± 5.85	44.66 ± 29.85
December 2012-February 2013 (Impact)	**8.36 ± 5.03**	**35.90 ± 23.10**
March-May 2013 (Impact)	7.75 ± 3.96	24.23 ± 18.05
June-August 2013 (Impact)	6.56 ± 3.68	27.00 ± 18.71
September-November 2013 (Impact)	8.04 ± 1.10	32.48 ± 26.51
December 2013-February 2014 (Impact)	**8.21 ± 2.21**	**32.58 ± 11.21**
March-May 2014 (Impact)	6.51 ± 3.34	19.14 ± 7.19
June-August 2014 (Impact)	4.74 ± 3.84	17.52 ± 15.12
September-November 2014 (Impact)	5.10 ± 4.40	20.52 ± 15.10
December 2014-February 2015 (Impact)	**2.91 ± 2.69**	**11.27 ± 15.19**
March-May 2015 (Impact)	0.47 ± 0.73	2.36 ± 4.07
June-August 2015 (Impact)	2.53 ± 3.20	9.21 ± 11.57
September-November 2015 (Impact)	3.94 ± 1.57	21.05 ± 17.19
December 2015-February 2016 (Impact)	**2.64 ± 1.52**	**10.98 ± 3.81**
March-May 2016 (Impact)	0.98 ± 1.10	4.78 ± 6.85
June-August 2016 (Impact)	1.72 ± 2.17	7.48 ± 10.98
September-November 2016 (Impact)	2.86 ± 1.98	10.89 ± 10.98
December 2016-February 2017 (Impact)	**3.80 ± 3.79**	**14.52 ± 17.21**
March-May 2017 (Impact)	0.93 ± 1.03	5.25 ± 9.53
June-August 2017 (Impact)	2.20 ± 2.88	6.58 ± 8.12
September-November 2017 (Impact)	3.12 ± 1.91	10.35 ± 9.66
December 2017-February 2018 (Impact)	**4.75 ± 2.26**	**15.73 ± 15.94**

3.3.5. However, it is important to note that the quarterly encounter rate in the present monitoring period appeared to have rebounded from the previous lows. Both ER(STG) and ER(ANI) in NWL survey area in the present quarter reached the highest in the past three years, and were higher than the previous three winter quarters in 2014-15, 2015-16 and 2016-17 (Table 5). It remained to be seen whether such rebound in dolphin occurrence in NWL waters would be persistent in upcoming quarters. Such temporal trend should be closely monitored in the upcoming monitoring quarters as the construction activities of HZMB works continue to diminish in coming months.

3.3.6. A two-way ANOVA with repeated measures and unequal sample size was conducted to examine whether there were any significant differences in the average encounter rates between the baseline and impact monitoring periods. The two variables that were examined included the two periods (baseline and impact phases) and two locations (NEL and NWL).

3.3.7. For the comparison between the baseline period and the present quarter (21st quarter of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.0127 and 0.0470 respectively. If the alpha value is set at 0.05, significant differences were detected between the baseline and present quarters in both the average dolphin encounter rates of STG and ANI.

3.3.8. For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. the first 21 quarters of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.000000 and 0.000000 respectively. Even if the alpha value is set at 0.00001, significant differences were still detected in both the average dolphin encounter rates of STG and ANI (i.e. between the two periods and the locations).

3.3.9. As indicated in both dolphin distribution patterns and encounter rates, dolphin usage has been significantly reduced in both NEL and NWL survey areas during the present quarterly period, and such low occurrence of dolphins has also been consistently documented in previous quarters of the past few years.

3.3.10. The dramatic decline in dolphin usage of North Lantau region raises serious concern, as the timing of the decline in dolphin usage in North Lantau waters coincided well with the construction schedule of the HZMB-related projects (Hung 2017). Apparently there was little sign of recovery of dolphin usage even though almost all marine works associated with the HZMB construction have been completed.

3.4. Group size

3.4.1. Group size of Chinese White Dolphins ranged from one to eight individuals per group in North Lantau region during December 2017 to February 2018. The average dolphin group sizes from these three months were compared with the ones deduced from the baseline period in September to November 2011, as shown in Table 6.

Table 6. Comparison of average dolphin group sizes from impact monitoring period (December 2017 – February 2018) and baseline monitoring period (September – November 2011) (Note: ± denotes the standard deviation of the average group size)

	Average Dolphin Group Size	
	December 2017 – February 2018	**September – November 2011**
Overall	2.65 ± 2.50 (n = 17)	3.72 ± 3.13 (n = 66)
Northeast Lantau	---	3.18 ± 2.16 (n = 17)
Northwest Lantau	2.65 ± 2.50 (n = 17)	3.92 ± 3.40 (n = 49)

3.4.2. The average dolphin group size in NWL waters during December 2017 to February 2018 was noticeably lower than the one recorded during the three-month baseline period, but it should also be noted that the sample size of 17 dolphin groups in the present quarter was very small when compared to the 66 groups sighted during the baseline period (Table 6).

3.4.3. Notably, 13 of these 17 dolphin groups were composed of 1-3 individuals only, while there were only four medium-sized groups with 5-8 dolphins per group (Annex II).

3.4.4. Distribution of the larger dolphin groups with five individuals or more per group during the present quarter is shown in Figure 3, with comparison to the one in baseline period. The four medium-sized groups with 5-8 dolphins were all distributed around Lung Kwu Chau (Figure 3). Such distribution pattern was very different from the baseline period, when the larger dolphin groups were frequently sighted and evenly distributed in NWL waters, and a few were also sighted in NEL waters (Figure 3).

3.5. Habitat use

3.5.1. From December 2017 to February 2018, the grids that recorded moderately high to high dolphin densities were all located around Lung Kwu Chau (Figures 4a and 4b). The rest of the grids that recorded dolphin occurrence were low in densities, and scattered near Lung Kwu Tan, Pillar Point and to the northwest and southwest of the airport platform (Figures 4a and 4b).

3.5.2. Notably, all grids near HKLR03/HKBCF reclamation sites as well as TMCLKL alignment did not record any presence of dolphins at all during on-effort search in the present quarterly period (Figures 4a and 4b). However, one grid (i.e.

Grid G21) overlapped with the HKLR09 alignment recorded very low dolphin density (Figure 4b).

3.5.3. It should be emphasized that the amount of survey effort collected in each grid during the three-month period was fairly low (6-12 units of survey effort for most grids), and therefore the habitat use pattern derived from the three-month dataset should be treated with caution. A more complete picture of dolphin habitat use pattern should be examined when more survey effort for each grid is collected throughout the impact phase monitoring programme.

3.5.4. When compared with the habitat use patterns during the baseline period, dolphin usage in NEL and NWL has drastically diminished in both areas during the present impact monitoring period (Figure 5). During the baseline period, many grids between Siu Mo To and Shum Shui Kok in NEL recorded moderately high to high dolphin densities, which was in stark contrast to the complete absence of dolphins there during the present impact phase period (Figure 5).

3.5.5. The density patterns were also very different in NWL between the baseline and impact phase monitoring periods, with high dolphin usage throughout the area, especially around Sha Chau, near Black Point, to the west of the airport, as well as between Pillar Point and airport platform during the baseline period. In contrast, only several grids with moderately high to high dolphin densities were located around Lung Kwu Chau during the present impact phase period (Figure 5).

3.6. Mother-calf pairs

3.6.1. During the present quarterly period, no young calf was sighted at all among the 17 groups of dolphins.

3.7. Activities and associations with fishing boats

3.7.1. Only one of the 17 dolphin groups were engaged in feeding activity, while no group was engaged in socializing, traveling or milling/resting activity during the three-month study period.

3.7.2. The percentage of sightings associated with feeding activity (5.9%) was much lower than the one recorded during the baseline period (11.6%). However, it should be noted the sample sizes on total numbers of dolphin sightings were very different between the two periods.

3.7.3. Distribution of dolphins engaged in various activities during the present three-month period and baseline period is shown in Figure 6. The only dolphin group engaged in feeding activity was sighted to the north of Lung Kwu Chau (Figure 6). When compared to the baseline period, distribution of various dolphin activities during the present impact phase monitoring period was drastically different with a much more restricted area of occurrences (Figure 6).

3.7.4. Notably, one group of eight dolphins was found to be associated with an operating purse-seiner to the north of Lung Kwu Chau during the present impact phase period.

3.8. *Summary of photo-identification works*

3.8.1. From December 2017 to February 2018, over 2,000 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the photo-identification work.

3.8.2. In total, 23 individuals sighted 32 times altogether were identified (see summary table in Annex III and photographs of identified individuals in Annex IV). All of these re-sightings were made in NWL. Seven individuals (i.e. NL33, NL123, NL136, NL269, NL272, NL286 and NL322) were re-sighted twice, while another individual (NL182) were re-sighted thrice during the three-month period (Annex III).

3.8.3. Notably, eight of these 23 individuals (i.e. CH34, NL123, NL136, NL182, NL226, NL261, NL272 and NL296) were also sighted in Northwest Lantau during the HKBCF monitoring surveys under the same three-month period. Moreover, only one individual (WL273) was also sighted in West Lantau waters during the HKLR09 monitoring surveys from December 2017 to February 2018, showing its extensive individual movements across different survey areas.

3.9. *Individual range use*

3.9.1. Ranging patterns of the 23 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in Annex V.

3.9.2. All identified dolphins sighted in the present quarter were utilizing NWL waters only, but have completely avoided NEL waters where many of them have utilized as their core areas in the past (Annex V). This is in contrary to the extensive movements between NEL and NWL survey areas observed in the earlier impact monitoring quarters as well as the baseline period.

3.9.3. On the other hand, several individuals, including WL62, WL251, WL273 and WL288, have consistently utilized WL waters in the past, but have extended their range use to NWL during the present quarter.

3.9.4. In the upcoming quarters, individual range use and movements should be continuously monitored to examine whether there has been any consistent shifts of individual home ranges from North Lantau to West or Southwest Lantau and vice versa, as such shift could possibly be related to the HZMB-related construction works (see Hung 2017).

4. Conclusion

4.1. During the present quarter of dolphin monitoring, no adverse impact from the activities of this construction project on Chinese White Dolphins was noticeable from general observations.

4.2. Although dolphins rarely occurred in the area of HKLR03 construction in the past and during the baseline monitoring period, it is apparent that dolphin usage has been dramatically reduced in NEL since 2012, and many individuals have shifted away completely from the important habitat around the Brothers Islands.

4.3. It is critical to continuously monitor the dolphin usage in North Lantau region in the upcoming quarters, to determine whether the dolphins are continuously affected by the various construction activities in relation to the HZMB-related works, and whether suitable mitigation measure can be applied to revert the situation.

5. References

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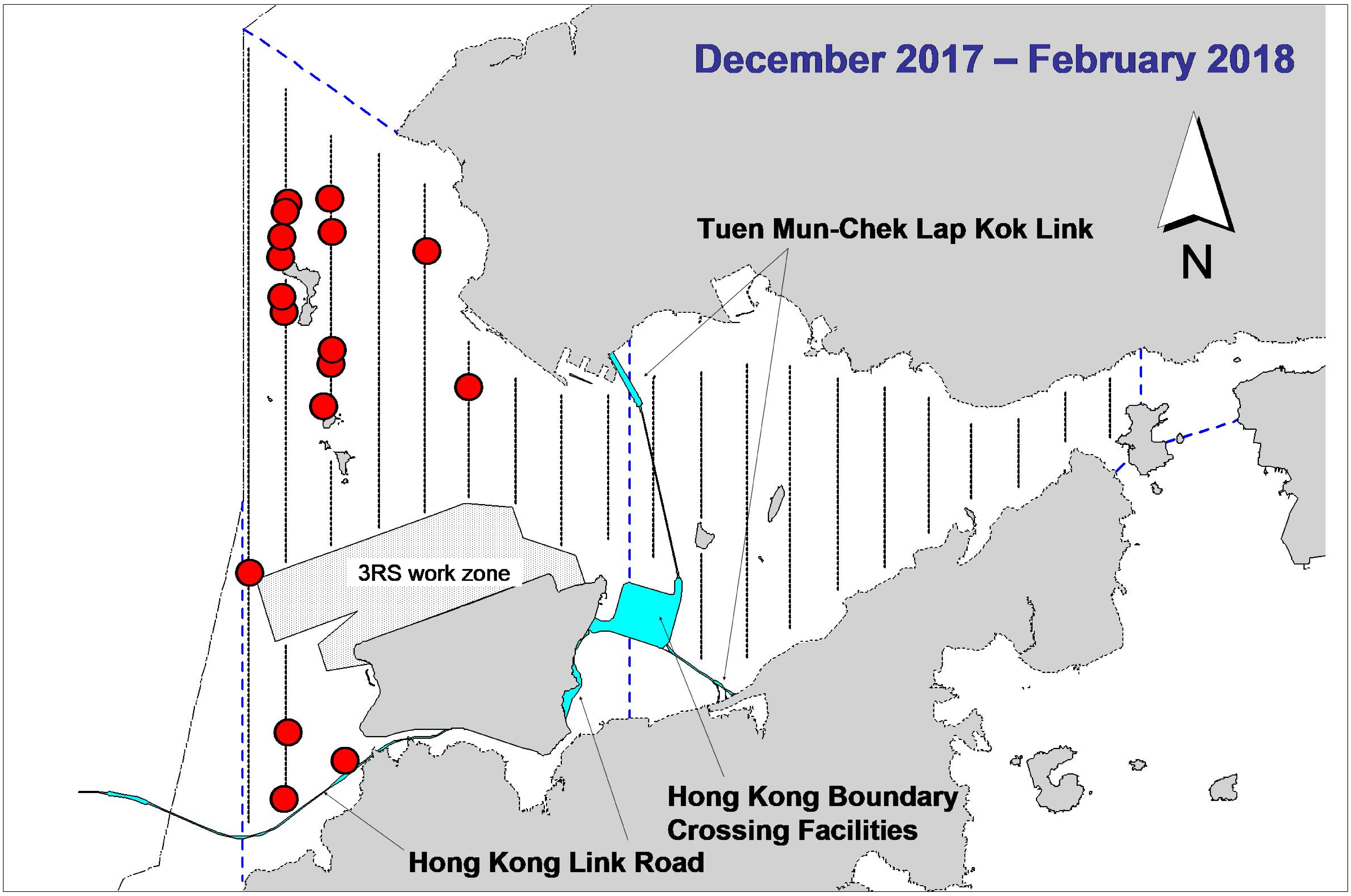
Hung, S. K. 2017. Monitoring of Marine Mammals in Hong Kong waters: final report (2016-17). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department, 162 pp.

Jefferson, T. A. 2000. Population biology of the Indo-Pacific hump-backed dolphin in Hong Kong waters. Wildlife Monographs 144:1-65.



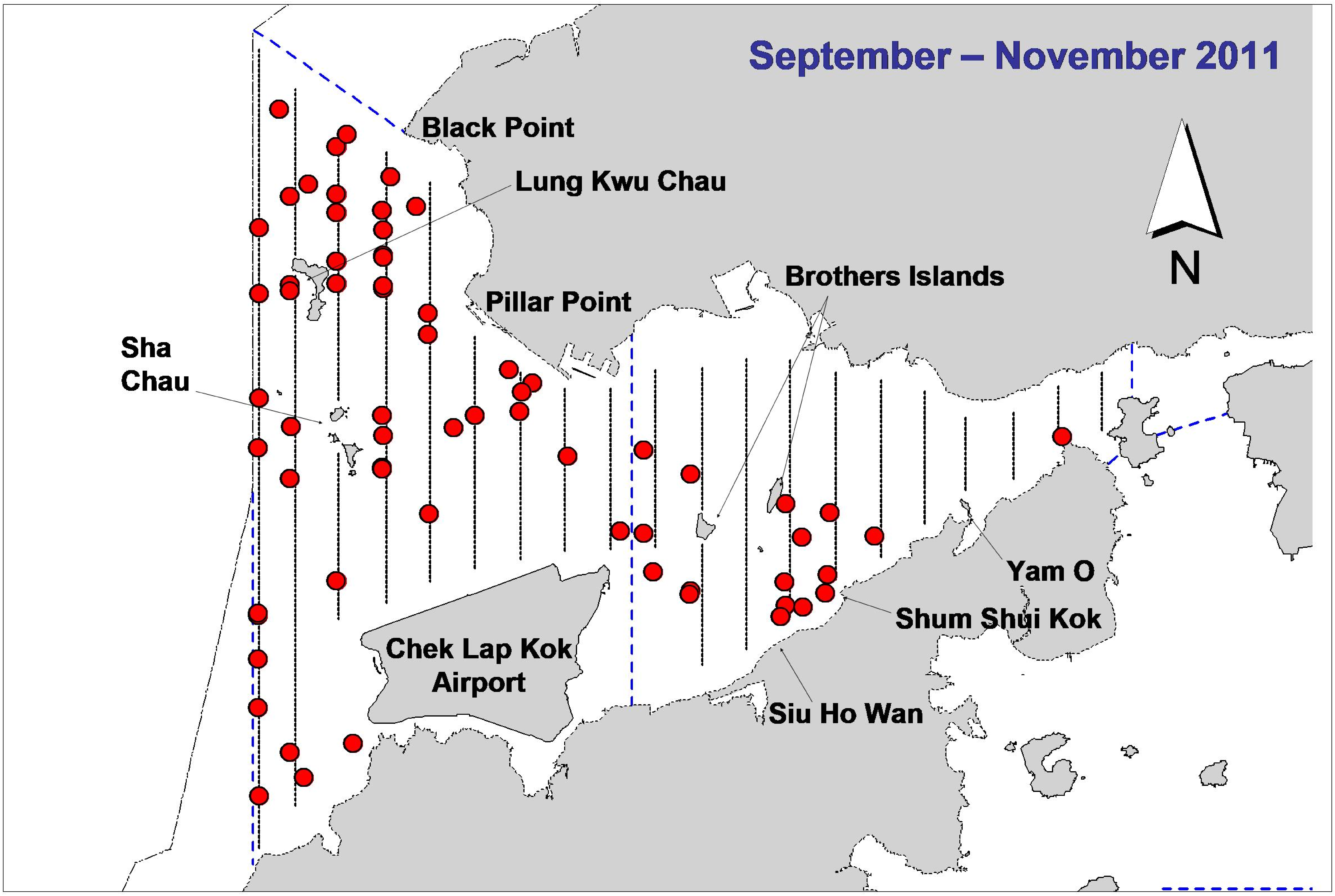
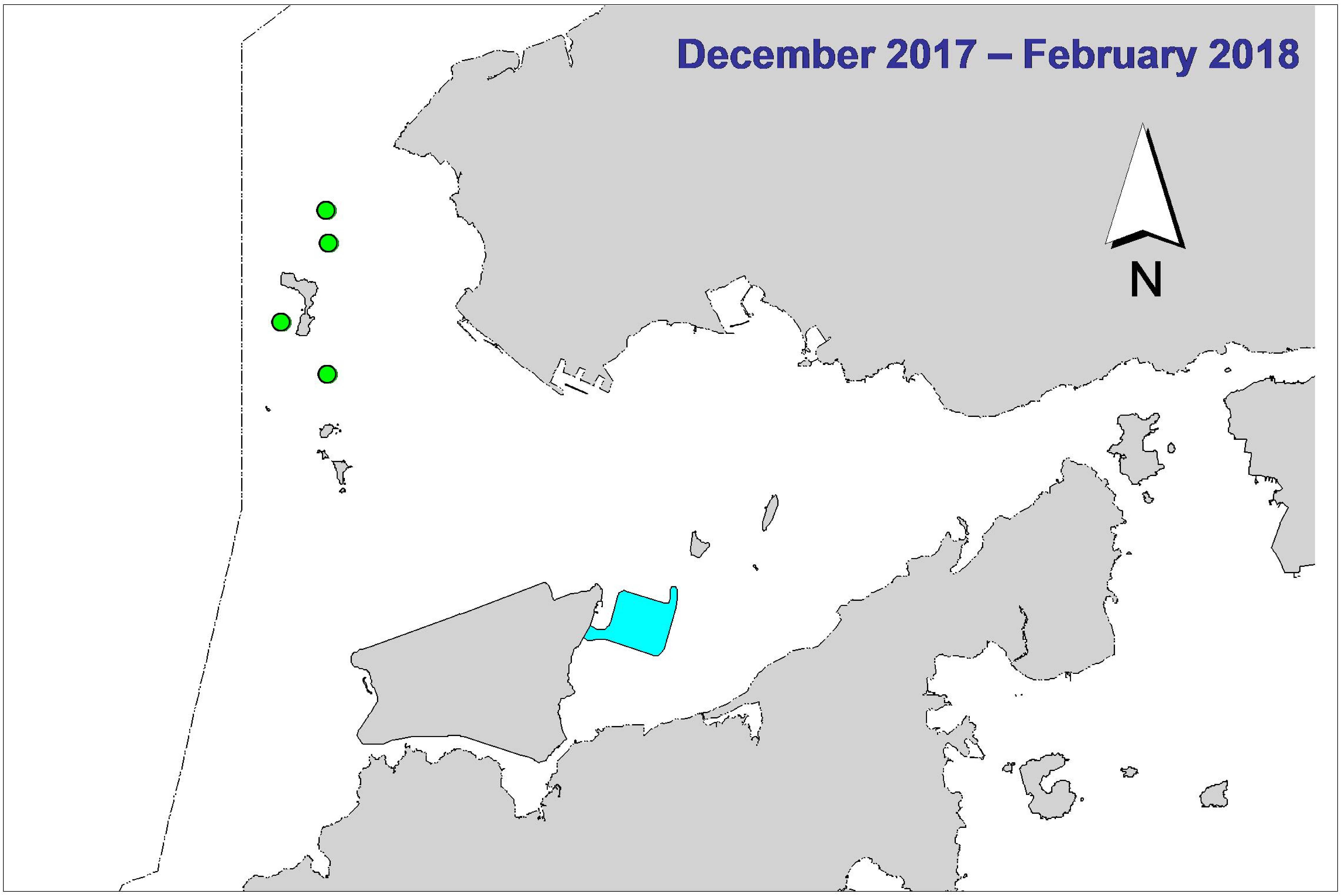


Figure 1. Distribution of Chinese white dolphin sighting in Northwest and Northeast Lantau during HKLR03 impact phase (top) and baseline monitoring surveys (bottom)

Figure 2. Distribution of Chinese white dolphin sightings in Northwest and Northeast Lantau during the past six winter quarters (December-February) of HKLR03 impact phase in 2012-18



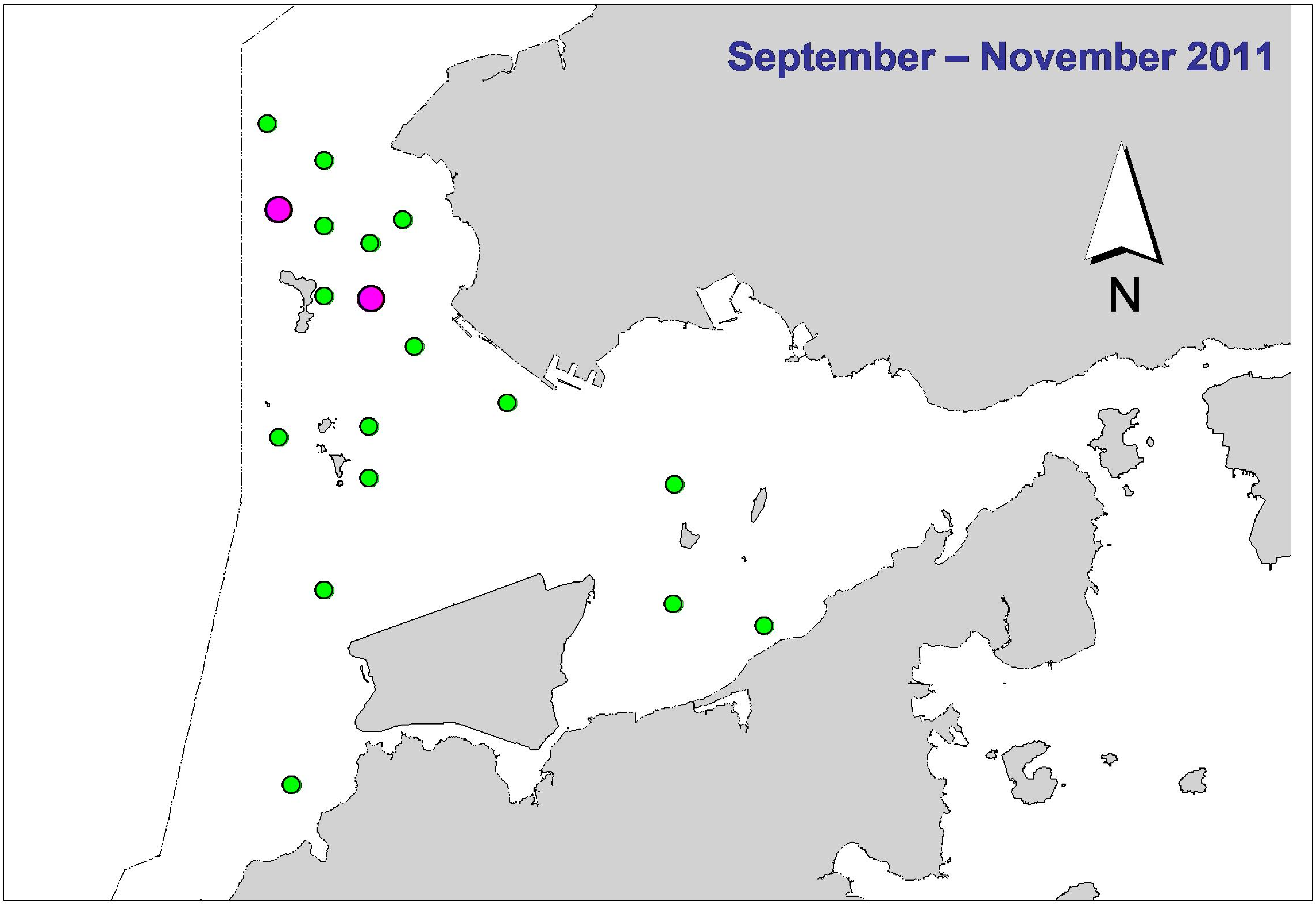


Figure 3. Distribution of Chinese white dolphins with larger group sizes during HKLR03 impact phase (top) and baseline monitoring surveys (bottom) (green dots: group sizes of 5 or more; purple dots: group sizes of 10 or more)

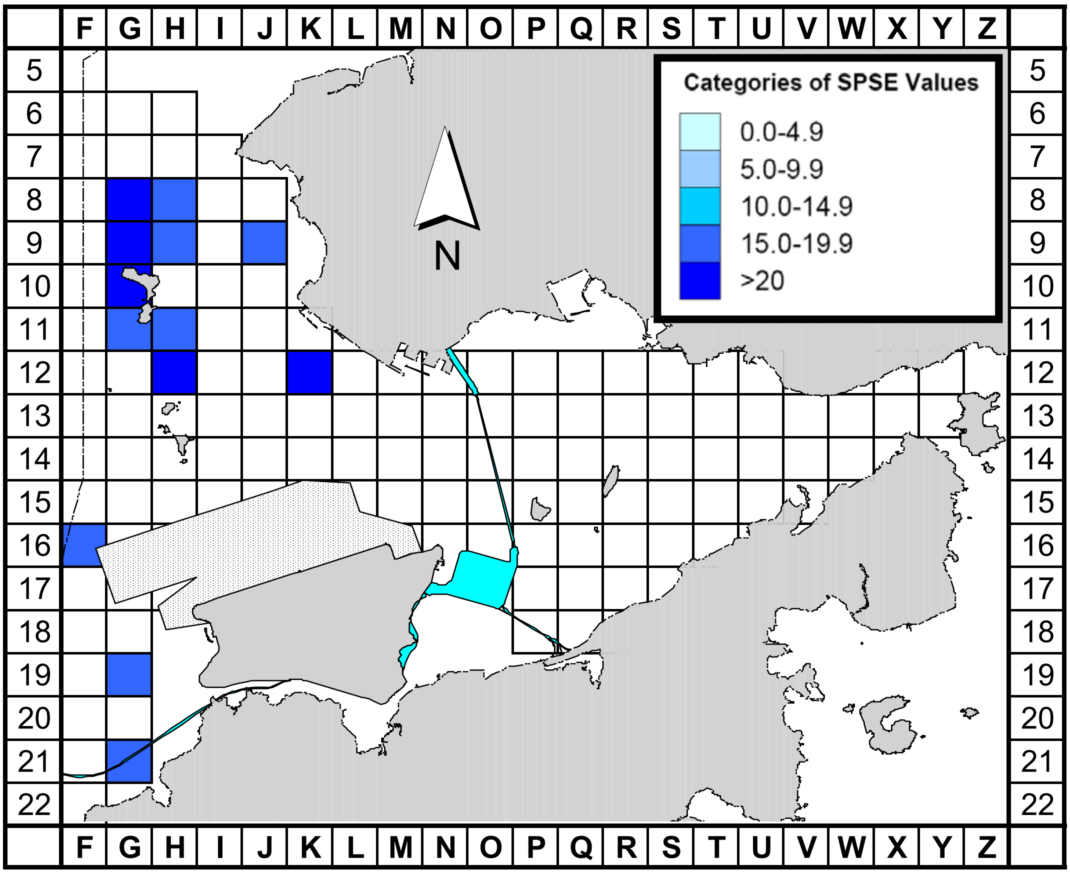


Figure 4a. Sighting density of Chinese white dolphins with corrected survey effort per km^2 in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period monitoring period (Dec 17-Feb 18) (SPSE = no. of on-effort sightings per 100 units of survey effort)

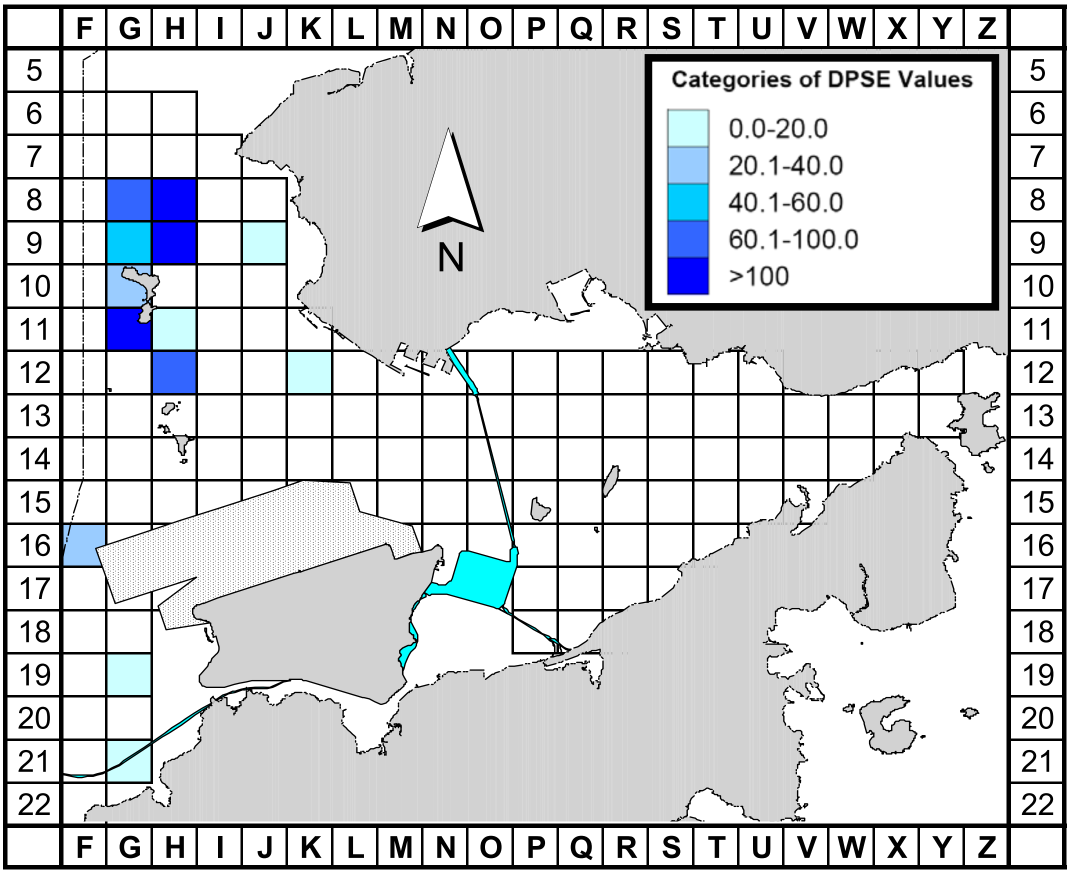


Figure 4b. Density of Chinese white dolphins with corrected survey effort per km^2 in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period (Dec 17- Feb 18) (DPSE = no. of dolphins per 100 units of survey effort)

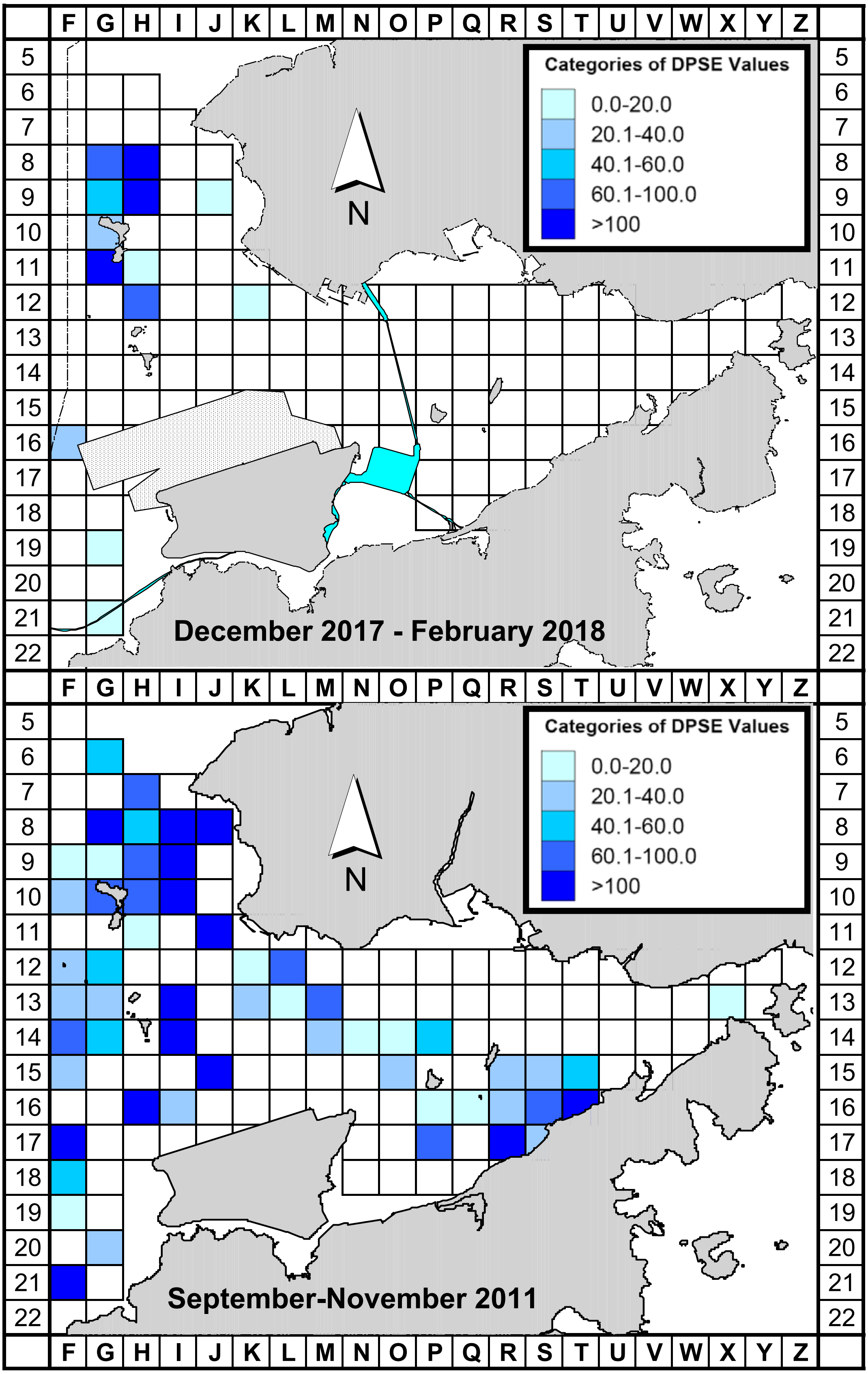
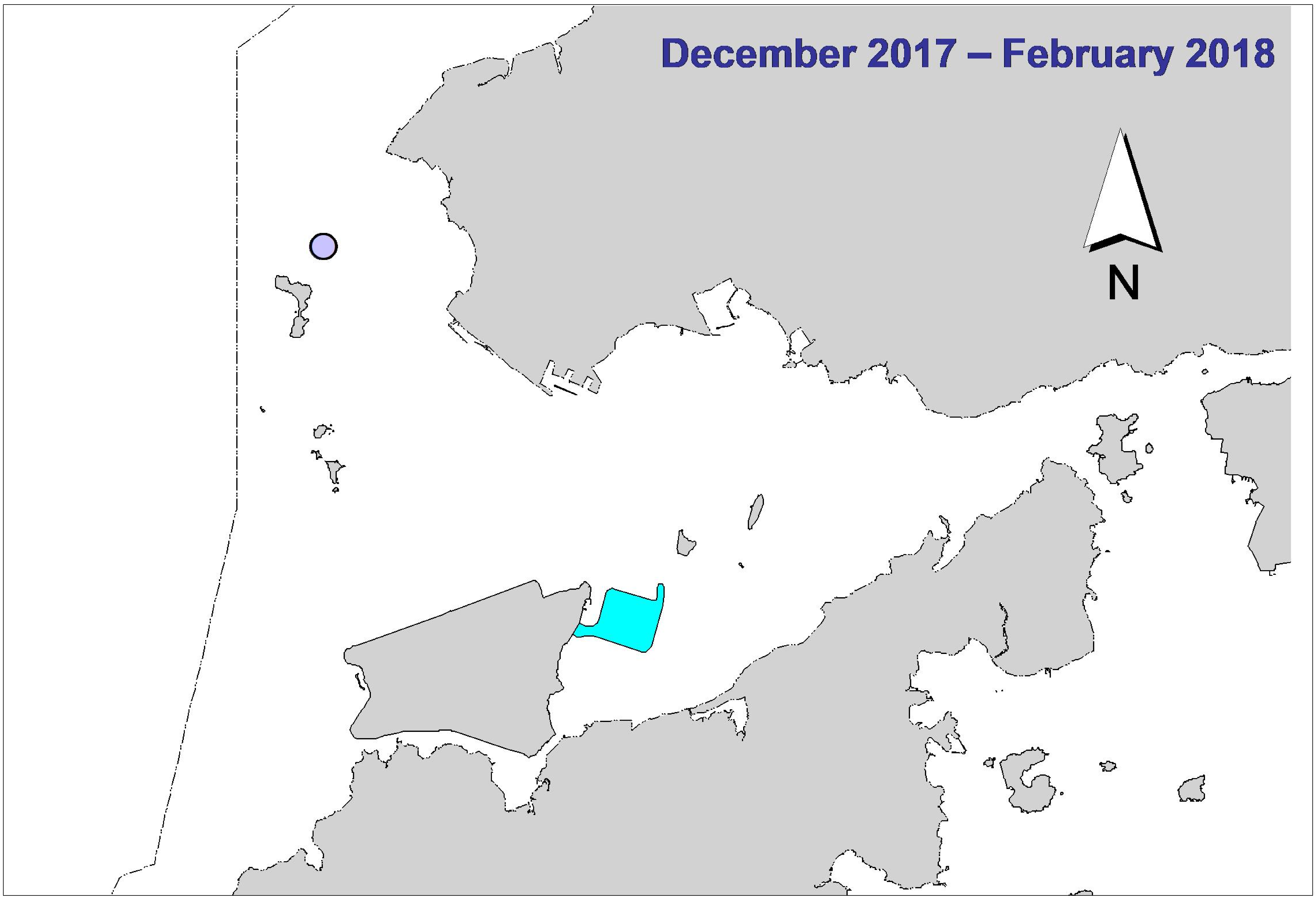


Figure 5. Comparison of density of Chinese white dolphins with corrected survey effort per km^2 in Northwest and Northeast Lantau survey area between the impact monitoring period (December 2017 - February 2018) and baseline monitoring period (September-November 2011)
(DPSE = no. of dolphins per 100 units of survey effort)



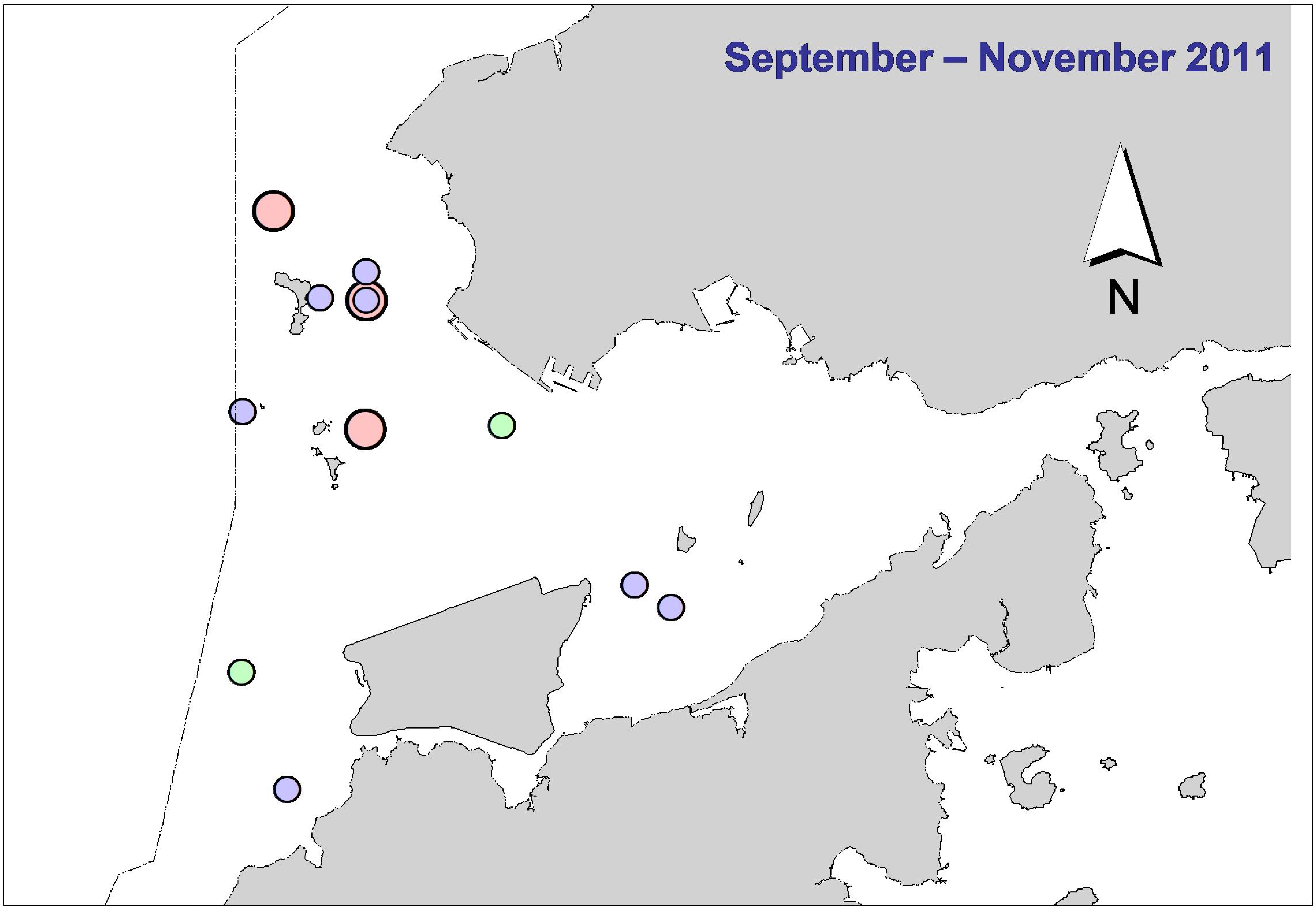


Figure 6. Distribution of Chinese white dolphins engaged in feeding (purple dots), socializing (pink dots) and traveling (green dots) activities during HKLR03 impact phase (top) and baseline monitoring surveys (bottom)

Annex I. HKLR03 Survey Effort Database (Dec 2017 - Feb 2018)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
5-Dec-17	NW LANTAU	2	17.27	WINTER	STANDARD36826	HKLR	P
5-Dec-17	NW LANTAU	3	15.02	WINTER	STANDARD36826	HKLR	P
5-Dec-17	NW LANTAU	2	7.80	WINTER	STANDARD36826	HKLR	S
5-Dec-17	NW LANTAU	3	3.81	WINTER	STANDARD36826	HKLR	S
5-Dec-17	NE LANTAU	2	33.41	WINTER	STANDARD36826	HKLR	P
5-Dec-17	NE LANTAU	3	2.11	WINTER	STANDARD36826	HKLR	P
5-Dec-17	NE LANTAU	2	13.18	WINTER	STANDARD36826	HKLR	S
5-Dec-17	NE LANTAU	3	0.60	WINTER	STANDARD36826	HKLR	S
12-Dec-17	NW LANTAU	2	24.51	WINTER	STANDARD36826	HKLR	P
12-Dec-17	NW LANTAU	3	3.30	WINTER	STANDARD36826	HKLR	P
12-Dec-17	NW LANTAU	2	11.89	WINTER	STANDARD36826	HKLR	S
12-Dec-17	NW LANTAU	3	0.90	WINTER	STANDARD36826	HKLR	S
15-Dec-17	NW LANTAU	1	3.85	WINTER	STANDARD36826	HKLR	P
15-Dec-17	NW LANTAU	2	21.86	WINTER	STANDARD36826	HKLR	P
15-Dec-17	NW LANTAU	3	2.68	WINTER	STANDARD36826	HKLR	P
15-Dec-17	NW LANTAU	1	2.79	WINTER	STANDARD36826	HKLR	S
15-Dec-17	NW LANTAU	2	6.92	WINTER	STANDARD36826	HKLR	S
15-Dec-17	NW LANTAU	3	2.43	WINTER	STANDARD36826	HKLR	S
15-Dec-17	NE LANTAU	1	11.59	WINTER	STANDARD36826	HKLR	P
15-Dec-17	NE LANTAU	2	21.70	WINTER	STANDARD36826	HKLR	P
15-Dec-17	NE LANTAU	3	4.60	WINTER	STANDARD36826	HKLR	P
15-Dec-17	NE LANTAU	1	3.31	WINTER	STANDARD36826	HKLR	S
15-Dec-17	NE LANTAU	2	6.80	WINTER	STANDARD36826	HKLR	S
15-Dec-17	NE LANTAU	3	1.90	WINTER	STANDARD36826	HKLR	S
20-Dec-17	NW LANTAU	2	1.39	WINTER	STANDARD36826	HKLR	P
20-Dec-17	NW LANTAU	3	5.99	WINTER	STANDARD36826	HKLR	P
20-Dec-17	NW LANTAU	4	25.69	WINTER	STANDARD36826	HKLR	P
20-Dec-17	NW LANTAU	3	5.43	WINTER	STANDARD36826	HKLR	S
20-Dec-17	NW LANTAU	4	5.50	WINTER	STANDARD36826	HKLR	S
2-Jan-18	NW LANTAU	2	27.79	WINTER	STANDARD36826	HKLR	P
2-Jan-18	NW LANTAU	3	3.97	WINTER	STANDARD36826	HKLR	P
2-Jan-18	NW LANTAU	2	10.12	WINTER	STANDARD36826	HKLR	S
2-Jan-18	NW LANTAU	3	0.60	WINTER	STANDARD36826	HKLR	S
8-Jan-18	NW LANTAU	3	3.47	WINTER	STANDARD36826	HKLR	P
8-Jan-18	NW LANTAU	4	9.99	WINTER	STANDARD36826	HKLR	P
8-Jan-18	NW LANTAU	5	14.91	WINTER	STANDARD36826	HKLR	P
8-Jan-18	NW LANTAU	4	6.80	WINTER	STANDARD36826	HKLR	S
8-Jan-18	NW LANTAU	5	3.73	WINTER	STANDARD36826	HKLR	S
8-Jan-18	NE LANTAU	2	6.71	WINTER	STANDARD36826	HKLR	P
8-Jan-18	NE LANTAU	3	29.79	WINTER	STANDARD36826	HKLR	P
8-Jan-18	NE LANTAU	4	0.64	WINTER	STANDARD36826	HKLR	P
8-Jan-18	NE LANTAU	2	5.70	WINTER	STANDARD36826	HKLR	S
8-Jan-18	NE LANTAU	3	7.36	WINTER	STANDARD36826	HKLR	S
16-Jan-18	NW LANTAU	2	27.70	WINTER	STANDARD36826	HKLR	P
16-Jan-18	NW LANTAU	3	5.45	WINTER	STANDARD36826	HKLR	P
16-Jan-18	NW LANTAU	2	8.15	WINTER	STANDARD36826	HKLR	S
16-Jan-18	NW LANTAU	3	2.70	WINTER	STANDARD36826	HKLR	S
25-Jan-18	NE LANTAU	2	17.96	WINTER	STANDARD36826	HKLR	P
25-Jan-18	NE LANTAU	3	18.90	WINTER	STANDARD36826	HKLR	P
25-Jan-18	NE LANTAU	2	7.54	WINTER	STANDARD36826	HKLR	S

Annex I. (cont'd)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
25-Jan-18	NE LANTAU	3	4.20	WINTER	STANDARD36826	HKLR	S
25-Jan-18	NE LANTAU	4	1.40	WINTER	STANDARD36826	HKLR	S
25-Jan-18	NW LANTAU	2	7.23	WINTER	STANDARD36826	HKLR	P
25-Jan-18	NW LANTAU	3	17.92	WINTER	STANDARD36826	HKLR	P
25-Jan-18	NW LANTAU	4	2.72	WINTER	STANDARD36826	HKLR	P
25-Jan-18	NW LANTAU	2	4.02	WINTER	STANDARD36826	HKLR	S
25-Jan-18	NW LANTAU	3	6.52	WINTER	STANDARD36826	HKLR	S
25-Jan-18	NW LANTAU	4	1.95	WINTER	STANDARD36826	HKLR	S
2-Feb-18	NW LANTAU	2	2.34	WINTER	STANDARD36826	HKLR	P
2-Feb-18	NW LANTAU	3	16.30	WINTER	STANDARD36826	HKLR	P
2-Feb-18	NW LANTAU	4	15.00	WINTER	STANDARD36826	HKLR	P
2-Feb-18	NW LANTAU	2	2.86	WINTER	STANDARD36826	HKLR	S
2-Feb-18	NW LANTAU	3	6.78	WINTER	STANDARD36826	HKLR	S
2-Feb-18	NW LANTAU	4	1.12	WINTER	STANDARD36826	HKLR	S
9-Feb-18	NE LANTAU	1	4.00	WINTER	STANDARD36826	HKLR	P
9-Feb-18	NE LANTAU	2	30.78	WINTER	STANDARD36826	HKLR	P
9-Feb-18	NE LANTAU	1	1.00	WINTER	STANDARD36826	HKLR	S
9-Feb-18	NE LANTAU	2	12.02	WINTER	STANDARD36826	HKLR	S
9-Feb-18	NW LANTAU	1	5.87	WINTER	STANDARD36826	HKLR	P
9-Feb-18	NW LANTAU	2	21.20	WINTER	STANDARD36826	HKLR	P
9-Feb-18	NW LANTAU	1	2.32	WINTER	STANDARD36826	HKLR	S
9-Feb-18	NW LANTAU	2	8.91	WINTER	STANDARD36826	HKLR	S
14-Feb-18	NW LANTAU	1	2.80	WINTER	STANDARD36826	HKLR	P
14-Feb-18	NW LANTAU	2	24.71	WINTER	STANDARD36826	HKLR	P
14-Feb-18	NW LANTAU	2	12.25	WINTER	STANDARD36826	HKLR	S
14-Feb-18	NE LANTAU	1	3.84	WINTER	STANDARD36826	HKLR	P
14-Feb-18	NE LANTAU	2	22.25	WINTER	STANDARD36826	HKLR	P
14-Feb-18	NE LANTAU	3	10.09	WINTER	STANDARD36826	HKLR	P
14-Feb-18	NE LANTAU	2	12.04	WINTER	STANDARD36826	HKLR	S
14-Feb-18	NE LANTAU	3	1.28	WINTER	STANDARD36826	HKLR	S
22-Feb-18	NW LANTAU	2	11.27	WINTER	STANDARD36826	HKLR	P
22-Feb-18	NW LANTAU	3	21.56	WINTER	STANDARD36826	HKLR	P
22-Feb-18	NW LANTAU	2	5.32	WINTER	STANDARD36826	HKLR	S
22-Feb-18	NW LANTAU	3	5.45	WINTER	STANDARD36826	HKLR	S

Annex II. HKLR03 Chinese White Dolphin Sighting Database (December 2017 - February 2018)

(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
5-Dec-17	1	1150	5	NW LANTAU	3	155	ON	HKLR	824890	806432	WINTER	NONE	P
15-Dec-17	1	1011	1	NW LANTAU	2	7	ON	HKLR	815955	805415	WINTER	NONE	P
15-Dec-17	2	1106	6	NW LANTAU	2	151	ON	HKLR	825966	805414	WINTER	NONE	P
15-Dec-17	3	1242	1	NW LANTAU	1	176	ON	HKLR	824441	809449	WINTER	NONE	P
2-Jan-18	1	1141	8	NW LANTAU	2	93	ON	HKLR	827614	806458	WINTER	PURSE-SEINE	P
2-Jan-18	2	1204	8	NW LANTAU	2	285	ON	HKLR	828301	806418	WINTER	NONE	P
8-Jan-18	1	1105	2	NW LANTAU	5	42	ON	HKLR	827107	805345	WINTER	NONE	P
16-Jan-18	1	1137	1	NW LANTAU	2	309	ON	HKLR	825178	806453	WINTER	NONE	P
25-Jan-18	1	1440	1	NW LANTAU	3	237	ON	HKLR	827516	805356	WINTER	NONE	P
2-Feb-18	1	1134	1	NW LANTAU	3	33	ON	HKLR	824048	806286	WINTER	NONE	S
9-Feb-18	1	956	1	NW LANTAU	1	ND	OFF	HKLR	816739	806756	WINTER	NONE	
9-Feb-18	2	1013	1	NW LANTAU	1	99	ON	HKLR	817306	805490	WINTER	NONE	P
9-Feb-18	3	1031	2	NW LANTAU	2	687	ON	HKLR	820619	804662	WINTER	NONE	P
9-Feb-18	4	1116	2	NW LANTAU	1	387	ON	HKLR	828225	805491	WINTER	NONE	S
14-Feb-18	1	1052	1	NW LANTAU	2	55	ON	HKLR	826276	805353	WINTER	NONE	P
14-Feb-18	2	1107	3	NW LANTAU	2	1047	ON	HKLR	828037	805429	WINTER	NONE	P
22-Feb-18	1	1040	1	NW LANTAU	3	137	ON	HKLR	827222	808537	WINTER	NONE	P

Annex III. Individual dolphins identified during HKLR03 monitoring surveys in December 2017 - February 2018

ID#	DATE	STG#	AREA
CH34	15/12/17	2	NW LANTAU
NL33	15/12/17	2	NW LANTAU
	02/01/18	2	NW LANTAU
NL46	05/12/17	1	NW LANTAU
NL98	02/01/18	1	NW LANTAU
NL123	02/01/18	2	NW LANTAU
	25/01/18	1	NW LANTAU
NL136	15/12/17	2	NW LANTAU
	02/01/18	1	NW LANTAU
NL182	15/12/17	2	NW LANTAU
	02/01/18	1	NW LANTAU
	22/02/18	1	NW LANTAU
NL202	09/02/18	4	NW LANTAU
NL226	02/01/18	1	NW LANTAU
NL242	05/12/17	1	NW LANTAU
NL261	15/12/17	2	NW LANTAU
NL269	05/12/17	1	NW LANTAU
	02/01/18	1	NW LANTAU
NL272	02/01/18	1	NW LANTAU
	16/01/18	1	NW LANTAU
NL286	02/01/18	2	NW LANTAU
	09/02/18	4	NW LANTAU
NL296	05/12/17	1	NW LANTAU
NL311	02/01/18	1	NW LANTAU
NL322	15/12/17	2	NW LANTAU
	02/01/18	2	NW LANTAU
WL11	14/02/18	1	NW LANTAU
WL28	09/02/18	3	NW LANTAU
WL62	15/12/17	3	NW LANTAU
WL251	02/01/18	2	NW LANTAU
WL273	05/12/17	1	NW LANTAU
WL288	09/02/18	3	NW LANTAU

Annex IV. Twenty-three individual dolphins that were identified during December 2017 to February 2018 under HKLR03 impact phase monitoring surveys


CH34


NL33


NL46


NL98

Annex IV. (cont'd)


NL123

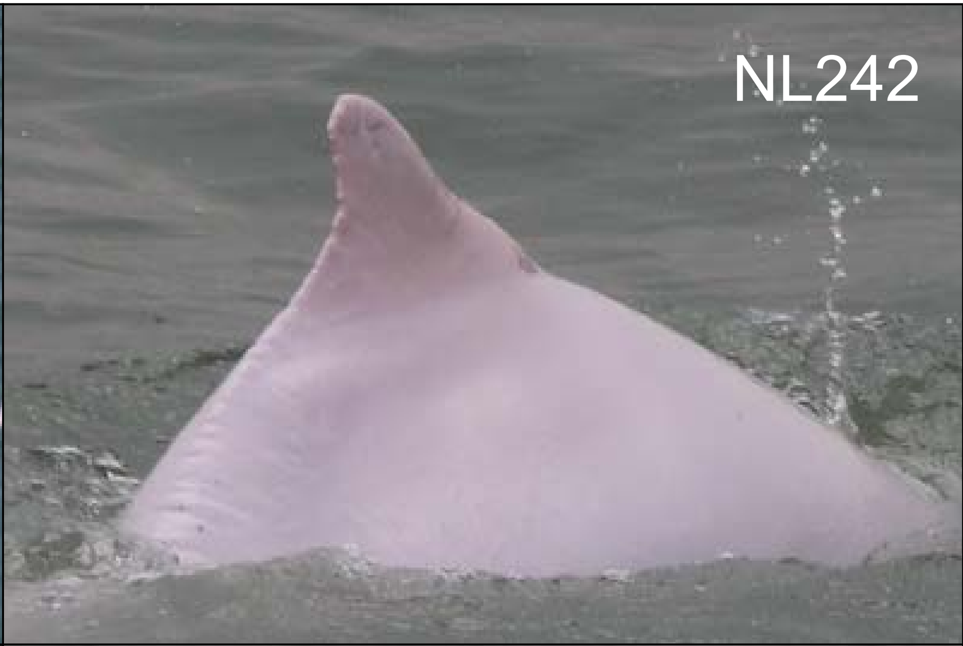

NL136


NL182


NL202

Annex IV. (cont'd)


NL226


NL242


NL261


NL269

Annex IV. (cont'd)


NL272


NL286

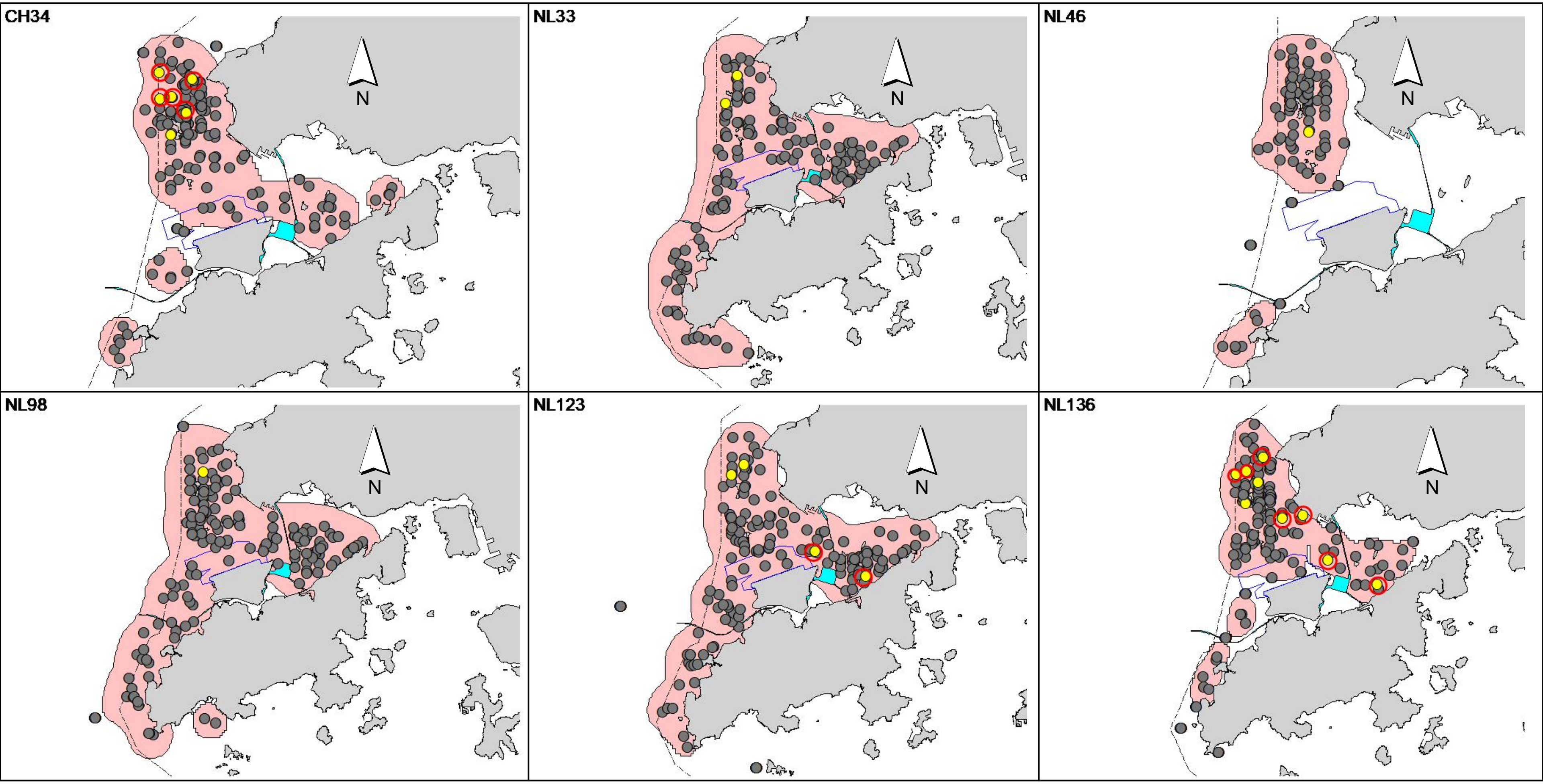

NL296


NL311

Annex IV. (cont'd)

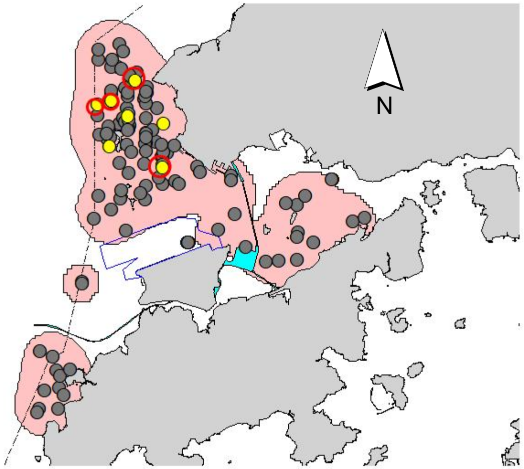
Annex IV. (cont'd)

Annex V. Ranging patterns (95 % kernel ranges) of 23 individual dolphins that were sighted during HKLR03 impact phase monitoring period (note: yellow dots indicate sightings made in Dec 2017 – Feb 2018 during HKLR03 and HKLR09 monitoring surveys; the yellow dots with the red circles indicate the ones made during HKBCF monitoring surveys)



Annex V. (cont'd)

NL182



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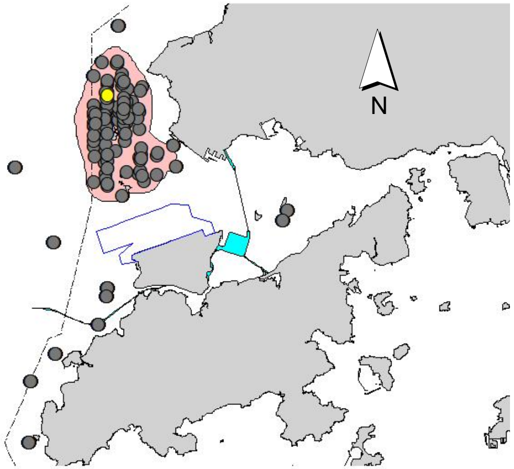

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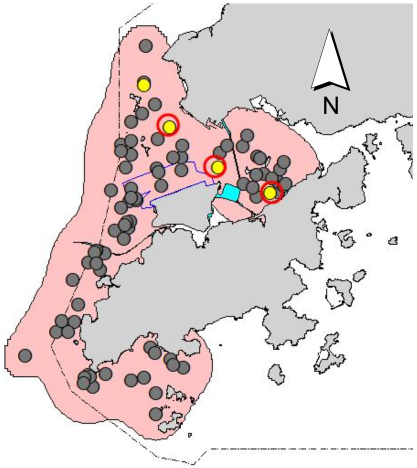

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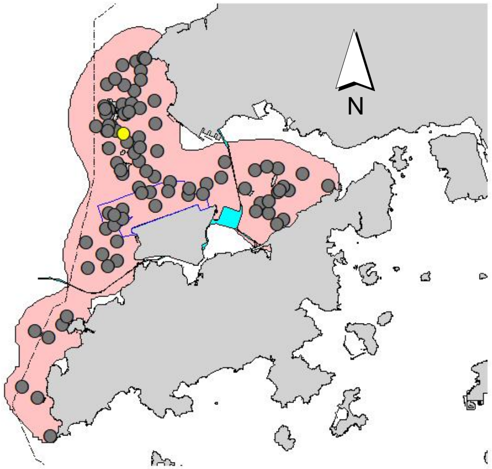

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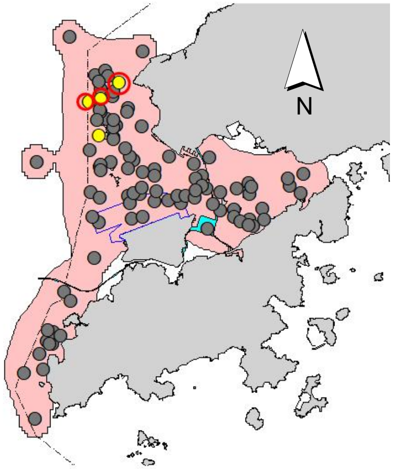

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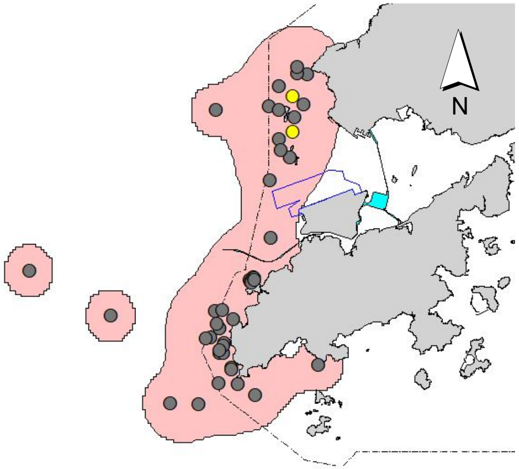
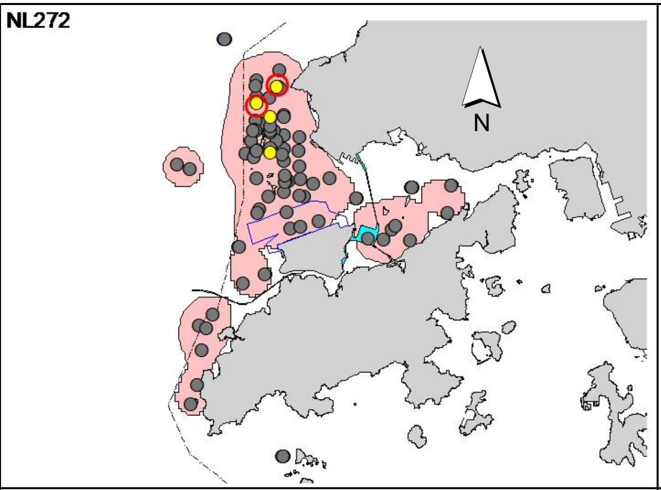


Annex V. (cont’d)

NL272



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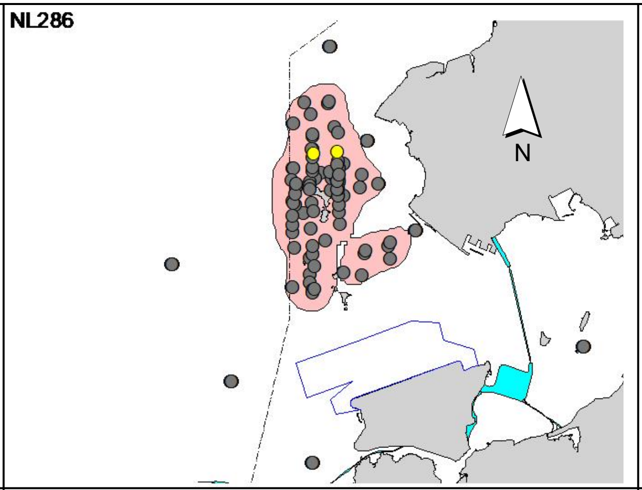

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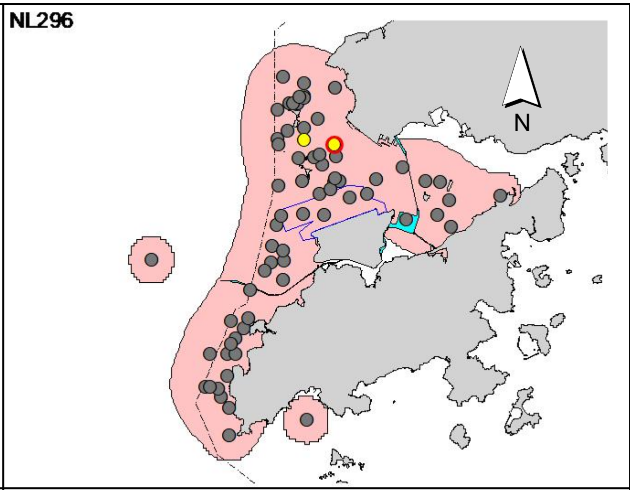

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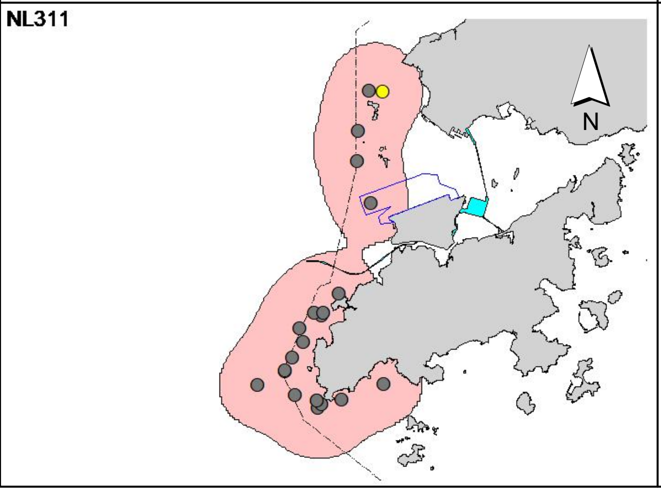

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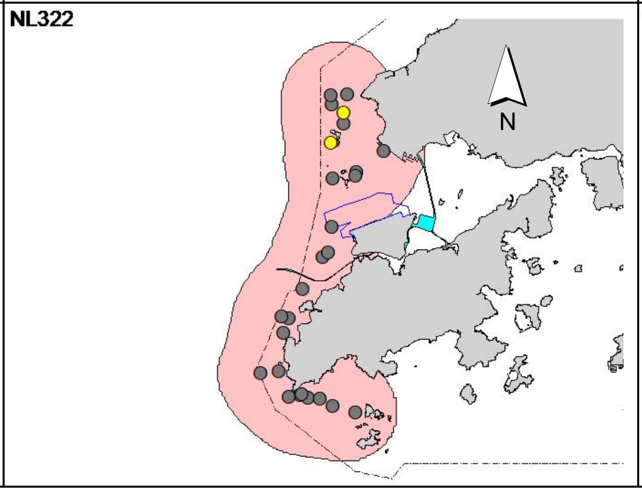
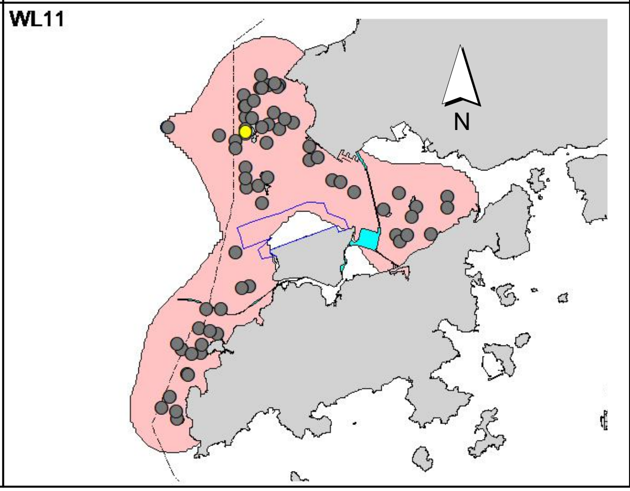
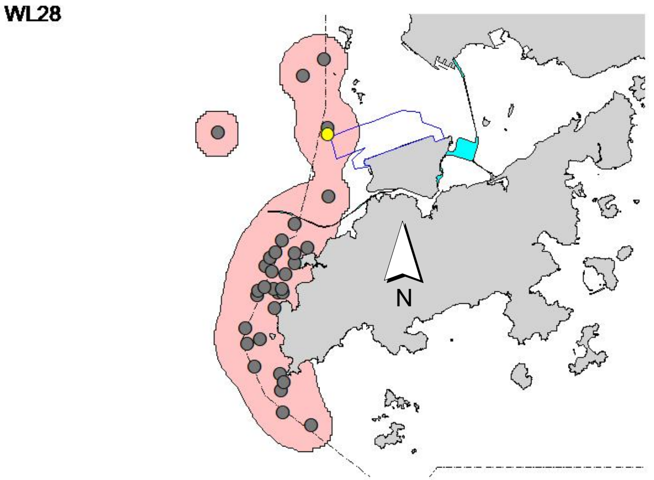


WL11



Annex V. (cont'd)

WL28



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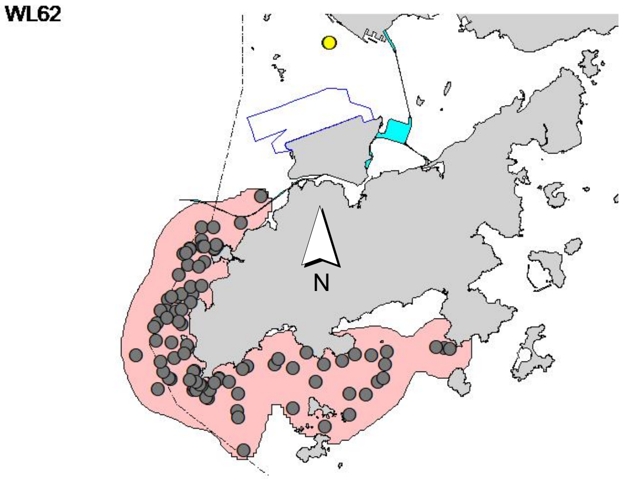

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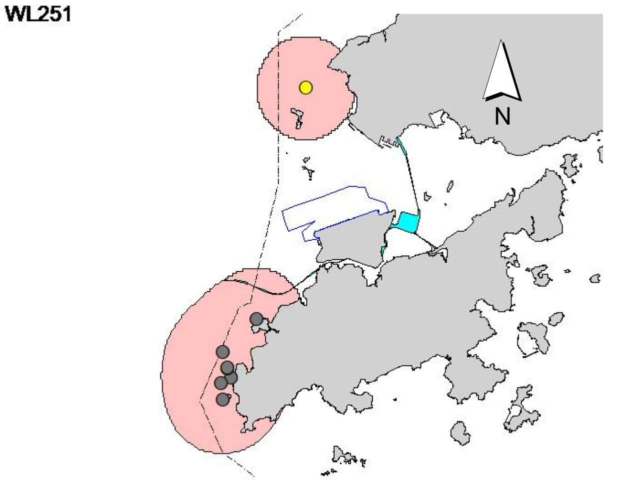

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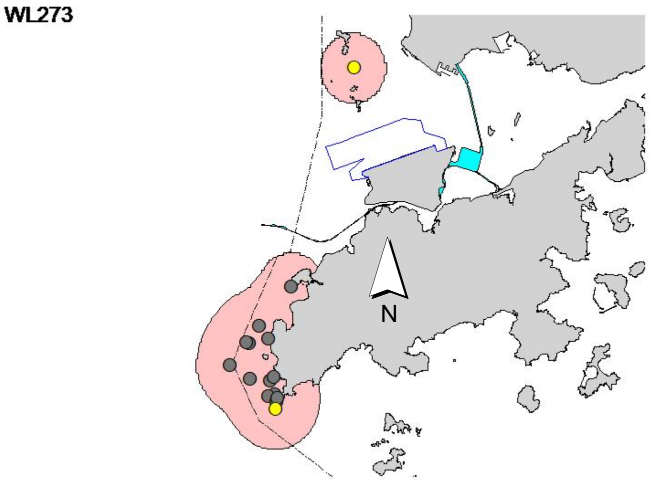
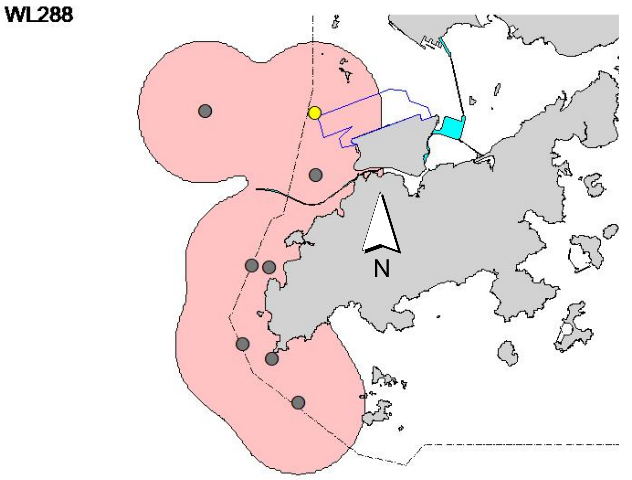


WL288



APPENDIX K

Waste Flow Table

MONTHLY SUMMARY WASTE FLOW TABLE

Name of Department: HyD

Contract No.: HY/2011/03

Monthly Summary Waste Flow Table for 2017

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract *(Note 8)*	Reused in Other Projects *(Note 8)*	Disposed as Public Fill *(Note 6)*	Imported Fill *(Note 6)*	Metals	Paper / Cardboard Packaging	Plastics *(Note 3)*	Chemical Waste	Others, e.g. general refuse *(Note 8)*
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	15.114	0.000	2.656	10.522	1.936	0.000	10.614	0.000	0.000	0.000	0.741
Feb	5.494	0.000	3.320	0.910	1.264	0.000	13.291	0.000	0.000	0.000	0.663
Mar	11.228	0.000	2.496	7.540	1.192	0.000	14.439	0.000	0.000	0.000	1.034
Apr	12.782	0.000	3.696	8.350	0.736	0.000	14.871	0.000	0.000	0.000	0.819
May	26.734	0.000	4.576	21.006	1.152	0.000	13.363	0.000	0.000	0.000	1.144
Jun	77.205	0.000	3.424	72.469	1.312	0.000	15.565	0.000	0.000	0.900	1.983
Sub-total	148.557	0.000	20.168	120.797	7.592	0.000	82.143	0.000	0.000	0.900	6.383
Jul	36.924	0.000	3.888	31.732	1.304	0.000	18.490	0.600	0.000	0.000	1.027
Aug	18.245	0.000	4.120	12.853	1.272	9.006	18.230	0.000	0.000	0.900	0.975
Sep	6.291	0.000	4.120	1.267	0.904	10.352	19.365	0.000	0.000	0.000	1.209
Oct	6.144	0.000	3.928	1.224	0.992	2.044	16.790	0.000	0.000	0.000	1.580
Nov	10.050	0.000	4.008	3.034	3.008	0.700	23.960	0.000	0.000	0.000	1.326
Dec	31.546	0.000	3.520	25.810	2.216	0.000	17.360	0.000	0.000	0.000	1.801
Sub- total	109.201	0.000	23.584	75.921	9.696	22.102	114.195	0.600	0.000	0.900	7.917
Total	257.757	0.000	43.752	196.717	17.288	22.102	196.338	0.600	0.000	1.800	14.300

MONTHLY SUMMARY WASTE FLOW TABLE
Name of Department: HyD

Contract No.: HY/2011/03

Monthly Summary Waste Flow Table for 2018

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract *(Note 8)*	Reused in Other Projects *(Note 8)*	Disposed as Public Fill *(Note 6)*	Imported Fill *(Note 6)*	Metals	Paper / Cardboard Packaging	Plastics *(Note 3)*	Chemical Waste	Others, e.g. general refuse *(Note 8)*
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	33.109	0.000	3.896	22.373	6.840	15.246	11.340	0.000	0.000	0.000	2.503
Feb	8.294	0.000	3.304	1.774	3.216	0.000	19.130	0.000	0.000	0.000	0.871
Mar											
Apr											
May											
Jun											
Sub-total	41.403	0.000	7.200	24.147	10.056	15.246	30.470	0.000	0.000	0.000	3.374
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Sub- total											
Total											

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

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

APPENDIX L

Summary of Environmental Licenses and Permits

Summary of Environmental Licences and Permits Application and Status

Environmental Permit

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

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

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

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

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

Billing Account for Disposal of Construction Waste

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

Chemical Waste Producer Registration

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

Wastewater Discharge License

Item No.	Date Application Submitted	Area Applied	Status	Expiry Date
1	22.06.2012	Site Office for Supervising Officer (WA6)	Application Ref. No. 346651 Letter from the EPD (Ref: EP/RS/0000346267) dated 19.07.2012 confirming that license under WPCO is not required.	N/A
2	02.08.2017	Site Office for China States (WA6)	Application Ref. No. 419562 Water Discharge License WT00029546-2017 was granted on 13 Nov 2017	Valid until 30 Sept 2022
3.	15.01.2013	WA 3	Application Ref No.356237 Water Discharge License Ref. WT00015423-2013 was granted on 4 Mar 2013	Valid until 31/03/2018
4.	15.01.2013	WA 4	Application Ref No. 356240 Water Discharge License Ref. WT00016158-2013 was granted on 30 July 2013	Valid until 31/07/2018
5	02.04.2013	Airport Road (Southern)	Water discharge license Ref. WT00015866-2013 was granted on 29 Apr 2013	Valid until 30/04/2018
6	26.10.2015	Airport Road (Northern)	Water discharge license Ref. WT00023165-2015 was granted on 22 Dec 2015	Valid until 30/04/2018
7	10.03.2017	WA7	Application Ref. No. 414487 Water Discharge License Ref. WT00027958-2017 was granted on 13 Jun 2017 The Water Discharge License was surrendered on 1 Feb 2017	Valid until 30/6/2022

Construction Noise Permit

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
1.	04.07.2017	SHT & HAT	Percussive Pilling	CNP issued on 18.07.2017	PP-RS0014-17	24.07.2017 0700	20.01.2018 1900
2.	12.09.2017	WA4	Loading/ Unloading of stockpiles	CNP issued on 26.09.2017	GW-RW0507-17	30.09.2017 0000	29.03.2018 2400
3.	12.09.2017	WA3	Stockpiling/ wastewater treatment	CNP issued on 26.09.2017	GW-RS0833-17	28.09.2017 0000	27.03.2018 2400
4.	04.07.2017	Shaft 2-3	Box-Jacking	CNP issued on 18.07.2017	GW-RS0607-17	19.07.2017 0000	18.01.2018 0500
5.	26.06.2017	Airport Road	Maintenance Works (Special Case)	CNP issued on 10.07.2017	GW-RS0581-17	12.07.2017 1900	31.12.2017 0700
6.	06.12.2017	Tung Fai Road	Cross Road Duct Laying (Special Case)	CNP issued on 19.12.2017	GW-RS1129-17	21.12.2017 2200	31.12.2017 0500
7.	07.11.2017	All Works Area	All Works	CNP issued on 21.11.2017	GW-RS1031-17	23.11.2017 1900	20.05.2018 2400

APPENDIX M

Record of "Notification of Environmental Quality Limit Exceedances" and Record of "Notification of Summons and Prosecutions"

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 258s ver 1

Date of Notification: 8 December 2017

Works Inspected: Data collected from water sampling works on 4 December 2017 and the results were issued on 8 December 2017

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	SR5(N)	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 25.78 x 120% = **30.9** for mid ebb; CS(Mf)5: 10.42 x 120% = **12.5** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 25.78 x 130% = **33.5** for mid ebb; CS(Mf)5: 10.42 x 130% = **13.5** for mid flood)	8.1	***36.3***
SS	IS10(N)	DA			9.1	***30.4***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***Bold Italic with underline*** means LL exceedances.

Possible reasons for Action and Limit Level Non-compliance:

On 4 December 2017, a Limit Level exceedance of suspended solid was recorded at station SR5(N) during mid-flood tide, and an Action Level exceedance of suspended solid was recorded at station IS10(N) during mid-flood tide. The exceedances have been investigated and are considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction at Zones 1, 2 and 3; road and drainage construction at Zones 1 and 2; box culvert construction at Zone 2; and land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations SR5 and IS10 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide			Range of Suspended Solid (mg/L) Mid-Flood Tide		
SR5	6.7	to	16.5	6.5	to	31.2
IS10	6.1	to	20.2	7.2	to	16.0

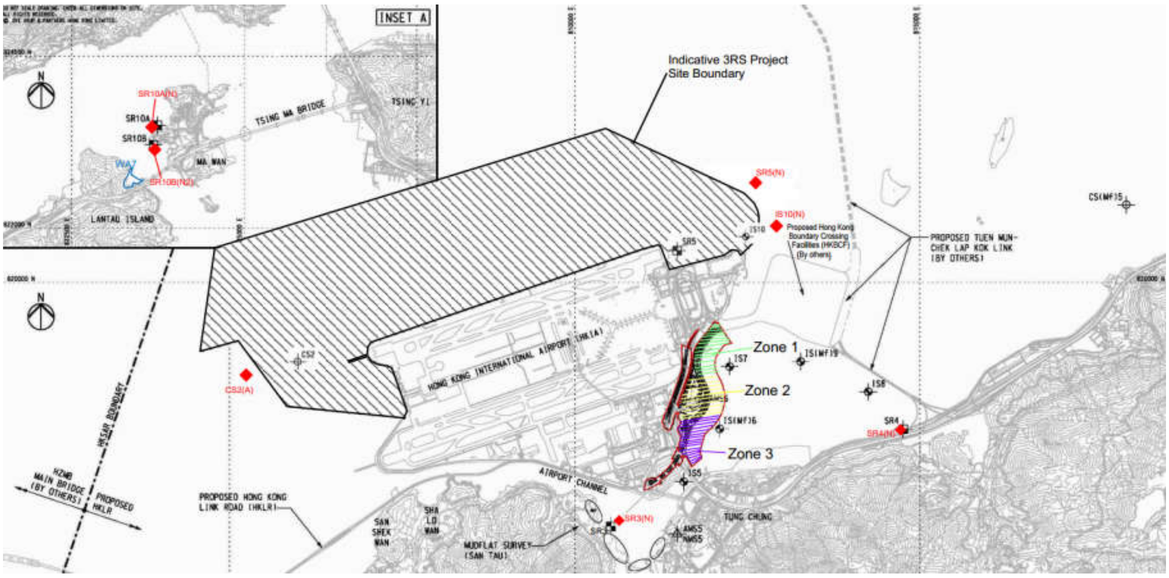
The measured value for mid-flood tide at stations SR5(N) and IS10(N) was above the range of suspended solid for mid-flood tide during baseline monitoring.

3. During sampling exercise, water was observed moderate at station SR5(N) and turbid at station IS10(N). There was no marine transportation near stations SR5(N) and IS10(N) during sampling period and no marine works were conducted near monitoring stations SR5(N) and IS10(N) which are located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.
4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedances of suspended solid level are considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria were not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Willie Wong

Title : Deputy ET Leader

Date : 22 December 2017

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 259s ver 1

Date of Notification: 15 December 2017

Works Inspected: Data collected from water sampling works on 6 December 2017 and the results were issued on 13 December 2017

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	SR5(N)	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 23.62 x 120% = **28.3** for mid ebb; CS(Mf)5: 10.63 x 120% = **12.8** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 23.62 x 130% = **30.7** for mid ebb; CS(Mf)5: 10.63 x 130% = **13.8** for mid flood)	8.9	***26.5***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***<u>Bold Italic with underline</u>*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 6 December 2017, an Action Level exceedance of suspended solid was recorded at station SR5(N) during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction at Zones 1, 2 and 3; road and drainage construction at Zones 1 and 2; box culvert construction at Zone 2; and land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station SR5 during the baseline monitoring are shown as below:

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

The measured value for mid-flood tide at station SR5(N) was within the range of suspended solid for mid-flood tide during baseline monitoring.

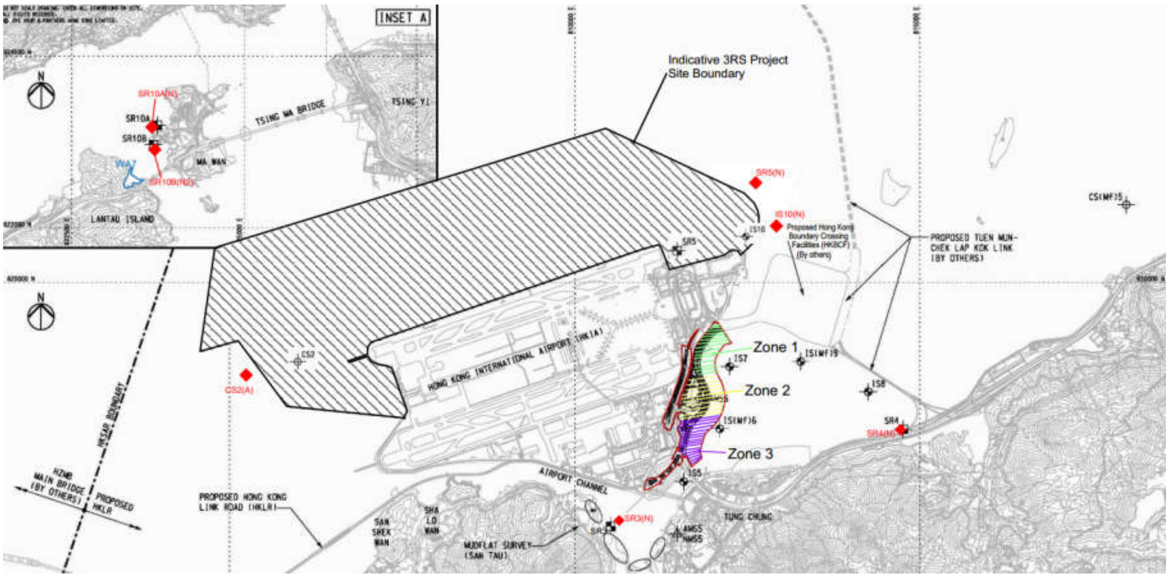
3. During sampling exercise, water was observed moderate at station SR5(N). There was no marine transportation near station SR5(N) during sampling period and no marine works were conducted near station SR5(N) which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Willie Wong

Title : Deputy ET Leader

Date : 22 December 2017

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 260s ver 1

Date of Notification: 15 December 2017

Works Inspected: Data collected from water sampling works on 8 December 2017 and the results were issued on 13 December 2017

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS8	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 39.45 x 120% = **47.3** for mid ebb; CS(Mf)5: 10.78 x 120% = **12.9** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 39.45 x 130% = **51.3** for mid ebb; CS(Mf)5: 10.78 x 130% = **14.0** for mid flood)	21.5	***28.4***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***Bold Italic with underline*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 8 December 2017, an Action Level exceedance of suspended solid was recorded at station IS8 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction at Zones 1, 2 and 3; road and drainage construction at Zones 1 and 2; box culvert construction at Zone 2; and land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS8 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide	Range of Suspended Solid (mg/L) Mid-Flood Tide
IS8	5.5 to 25.5	5.8 to 31.3

The measured value for mid-flood tide at station IS8 was within the range of suspended solid for mid-flood tide during baseline monitoring.

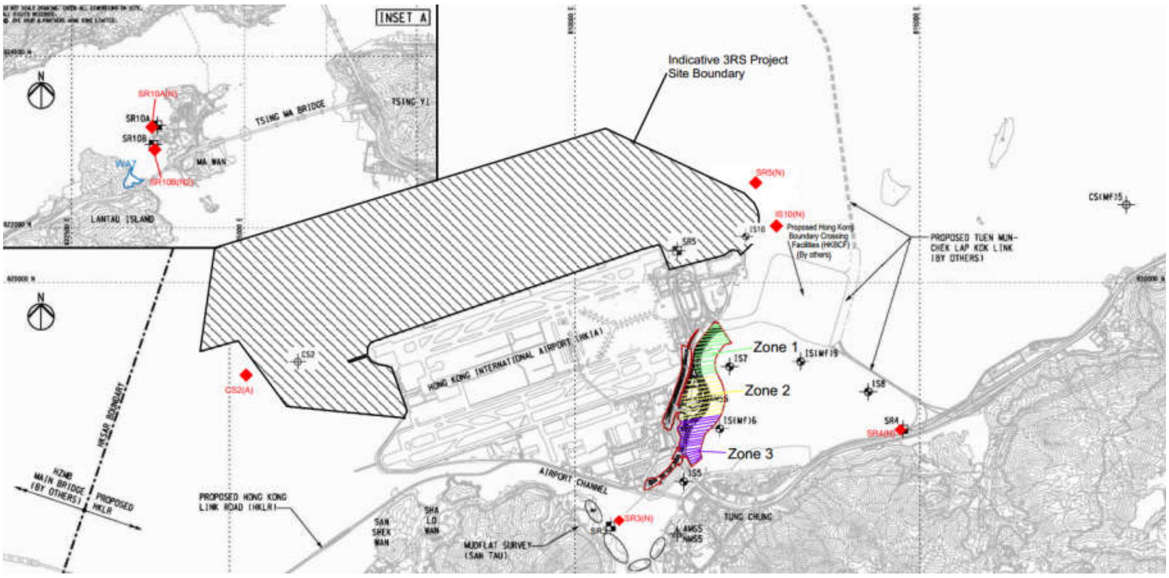
3. During sampling exercise, water was observed moderate at station IS8. There was no marine transportation near station IS8 during sampling period and no marine works were conducted near station IS8 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Willie Wong

Title : Deputy ET Leader

Date : 22 December 2017

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 261s ver 0

Date of Notification: 20 December 2017

Works Inspected: Data collected from water sampling works on 13 December 2017 and the results were issued on 19 December 2017

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS(Mf)9	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 8.12 x 120% = **9.7** for mid ebb; CS(Mf)5: 5.42 x 120% = **6.5** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 8.12 x 130% = **10.6** for mid ebb; CS(Mf)5: 5.42 x 130% = **7.0** for mid flood)	10.7	***26.5***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***<u>Bold Italic with underline</u>*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 13 December 2017, an Action Level exceedance of suspended solid was recorded at station IS(Mf)9 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction at Zones 1, 2 and 3; road and drainage construction at Zones 1 and 2; box culvert construction at Zone 2; and land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS(Mf)9 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide			Range of Suspended Solid (mg/L) Mid-Flood Tide		
IS(Mf)9	5.5	to	20.1	7.3	to	26.0

The measured value for mid-flood tide at station IS(Mf)9 was slightly above the range of suspended solid for mid-flood tide during baseline monitoring.

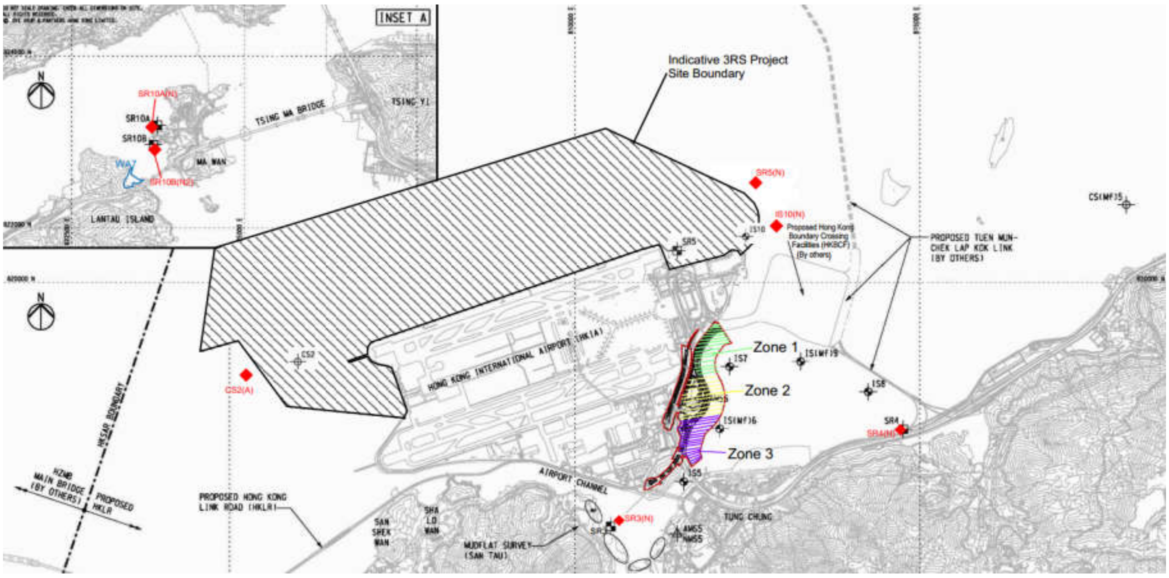
3. During sampling exercise, water was observed moderate at station IS(Mf)9. There was no marine transportation near station IS(Mf)9 and no marine works were conducted near monitoring station IS8 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Willie Wong

Title : Deputy ET Leader

Date : 29 December 2017

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 262s ver 0

Date of Notification: 29 December 2017

Works Inspected: Data collected from water sampling works on 18 December 2017 and the results were issued on 27 December 2017

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS8	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 24.97 x 120% = **30.0** for mid ebb; CS(Mf)5: 13.23 x 120% = **15.9** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 24.97 x 130% = **32.5** for mid ebb; CS(Mf)5: 13.23 x 130% =**17.2** for mid flood)	10.2	***28.3***

Notes:

1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***Bold Italic with underline*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 18 December 2017, an Action Level exceedance of suspended solid was recorded at station IS8 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction at Zones 1, 2 and 3; road and drainage construction at Zones 1 and 2; box culvert construction at Zone 2; and land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS8 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide	Range of Suspended Solid (mg/L) Mid-Flood Tide
IS8	5.5 to 25.5	5.8 to 31.3

   The measured value for mid-flood tide at station IS8 was within the range of suspended solid for mid-flood tide during baseline monitoring.

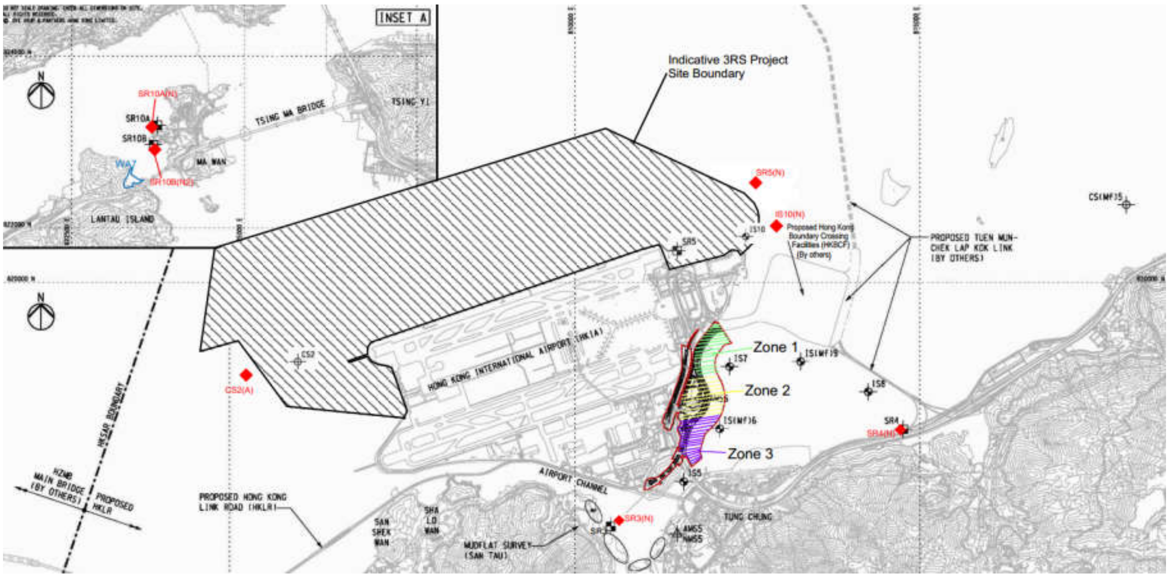
3. During sampling exercise, water was observed clear at station IS8. There was no marine transportation near station IS8 during sampling period and no marine works were conducted near monitoring station IS8 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Willie Wong

Title : Deputy ET Leader

Date : 8 January 2018

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 263s ver 0

Date of Notification: 2 January 2018

Works Inspected: Data collected from water sampling works on 20 December 2017 and the results were issued on 27 December 2017

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS(Mf)9	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 9.23 x 120% = **11.1** for mid ebb; CS(Mf)5: 9.32 x 120% = **11.2** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 9.23 x 130% = **12.0** for mid ebb; CS(Mf)5: 9.32 x 130% =**12.1** for mid flood)	7.7	***26.3***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***Bold Italic with underline*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 20 December 2017, an Action Level exceedance of suspended solid was recorded at station IS(Mf)9 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction at Zones 1, 2 and 3; road and drainage construction at Zones 1 and 2; box culvert construction at Zone 2; and land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.

2. The ranges of suspended solid at station IS(Mf)9 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide	Range of Suspended Solid (mg/L) Mid-Flood Tide
IS(Mf)9	5.5 to 20.1	7.3 to 26

   The measured value for mid-flood tide at station IS(Mf)9 was slightly above the range of suspended solid for mid-flood tide during baseline monitoring.

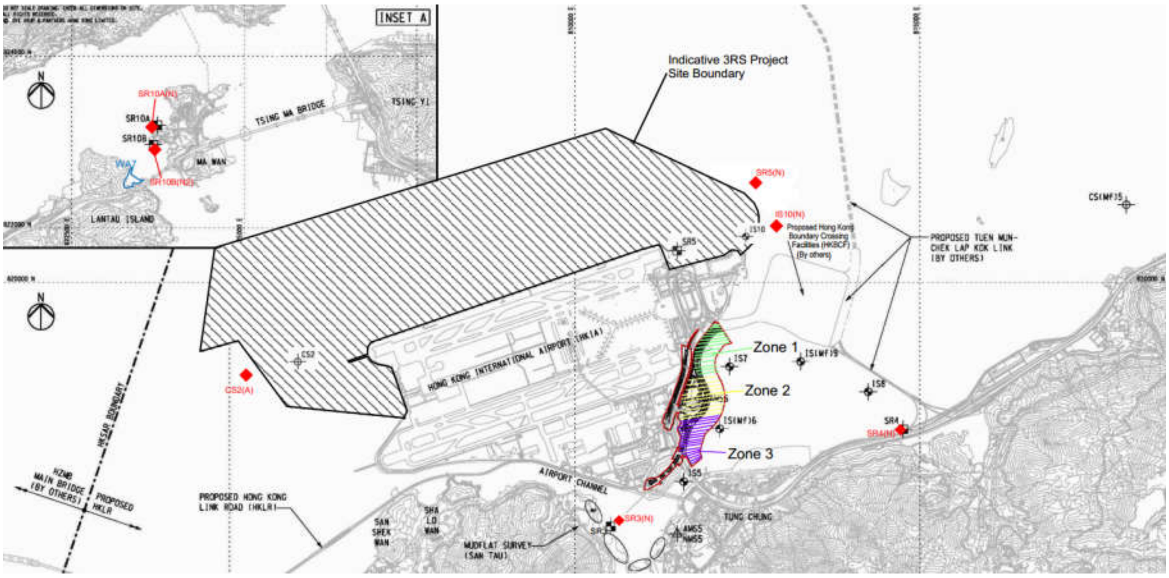
3. During sampling exercise, water was observed clear at station IS(Mf)9. There was no marine transportation near station IS(Mf)9 during sampling period and no marine works were conducted near monitoring station IS(Mf)9 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by	: Willie Wong	Title	: Deputy ET Leader
		Date	: 8 January 2018

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 264 ver 0

Date of Notification: 2 January 2018 and 5 January 2018

Works Inspected: 24-hr TSP monitoring was undertaken on 19, 23 December 2017 and the test report was issued on 27 December 2017 and 3 January 2018 respectively

Monitoring Location: AMS6 – Dragon Air Building

Parameter: 24-hour TSP monitoring

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

PARAMETER	STATION	AL (µg/m^3)	LL (µg/m^3)	MEASURED LEVEL, µg/m^3
19 Dec 2017, 24-hr TSP (8:00 – 8:00 hours)	Dragonair Building (AMS6)	173	260	***251***
23 Dec 2017, 24-hr TSP (8:00 – 8:00 hours)	Dragonair Building (AMS6)	173	260	***253***

Notes: ***Bold Italic*** means AL exceedance
Bold Italic with underline means LL exceedance

Possible reason for Action Level Non-compliance:

Action Level exceedances of 24-hr TSP level were recorded at AMS6 - Dragonair Building on 19 and 23 December 2017. respectively.

According to the information provided by the Contractor, fill materials excavation, road paving works and vehicle movement were undertaken at construction site S16 which is located near AMS6 during the sampling period.

The Air Quality Health Index recorded by EPD at the Tung Chung station ranged from 3 (low) to 5 (moderate) during the sampling period (8:00 hrs,19 Dec 2017 to 8:00 hrs, 20 Dec 2017) and 3 (low) to 8 (very high) during the sampling period (8:00 hrs, 23 Dec 2017 to 8:00 hrs, 24 Dec 2017). According to information provided by the Contractor, water spraying was provided for fill materials to maintain the entire surface in a damp condition before excavation and haul roads were sprayed with water by water trucks regularly. During site observation on 20 and 28 December 2017, no fugitive dust emission was noted by ET at construction site near monitoring station AMS6. It was noted that no Action and Limit Level exceedances of 1-hr TSP were recorded at AMS6 in December 2017.

Actions taken/ to be taken:

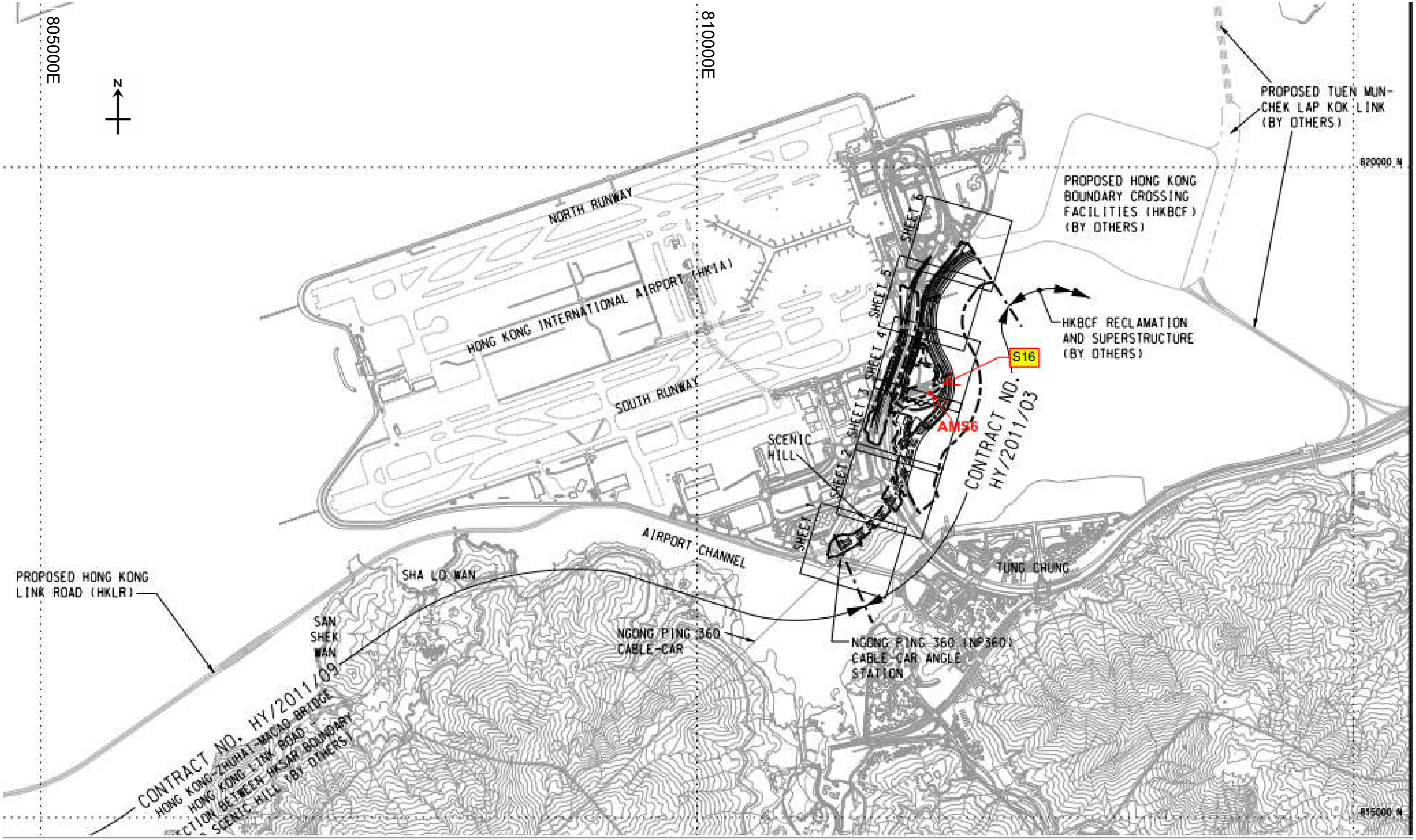
Based on the investigation results, the Contractor has implemented the dust control measures throughout the construction phase. No fugitive dust emission was noted by ET on 20 and 28 December 2017 at construction site near monitoring station AMS6. The exceedances recorded at monitoring station AMS6 is unlikely related to the Contract. Due to power interruption and motor failure of High Volume Sampler, the 24-hr TSP monitoring at AMS6 on 29 December 2017 was cancelled. ET will continuously monitor 24-hr TSP level at AMS6 to ensure compliance with relevant criterial throughout the construction period. In the meantime, the Contractor is reminded to continuously implement dust control measures throughout the construction phase.

Reviewed by : Willie Wong

Title : Deputy ET Leader

Date : 8 January 2018

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


805000E
810000E
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820000 N
815000 N
PROPOSED TUEN MUN-CHEK LAP KOK LINK (BY OTHERS)
PROPOSED HONG KONG BOUNDARY CROSSING FACILITIES (HKBCF) (BY OTHERS)
NORTH RUNWAY
HONG KONG INTERNATIONAL AIRPORT (HKIA)
SOUTH RUNWAY
SHEET 1
SHEET 2
SHEET 3
SHEET 4
SHEET 5
SHEET 6
HKBCF RECLAMATION AND SUPERSTRUCTURE (BY OTHERS)
S16
AMS6
CONTRACT NO. HY/2011/03
SCENIC HILL
AIRPORT CHANNEL
TUNG CHUNG
PROPOSED HONG KONG LINK ROAD (HKLR)
SHA LO WAN
SAN SHEK WAN
NGONG PING 360 CABLE-CAR
NGONG PING 360 (NP360) CABLE CAR ANGLE STATION
CONTRACT NO. HY/2011/09
HONG KONG-ZHUHAI-MACAO BRIDGE
HONG KONG LINK ROAD
CTION BETWEEN HKSAR BOUNDARY
SCENIC HILL (BY OTHERS)

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 265s ver 1

Date of Notification: 16 January 2018

Works Inspected: Data collected from water sampling works on 8 January 2018 and the results were issued on 15 January 2018

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS8	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): (see note 4) for mid ebb; CS(Mf)5: 7.13 x 120% = **8.6** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): (see note 4) for mid ebb; CS(Mf)5: 7.13x 130% = **9.3** for mid flood)	***24.9***	11.4

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) <u>***Bold Italic with underline***</u> means LL exceedances.
4) Water quality monitoring was not conducted at station CS2(A) during mid ebb and mid flood tide on 8 January 2018 due to rough sea condition and safety concern.

Possible reasons for Action Level Non-compliance:

On 8 January 2018, an Action Level exceedance of suspended solid was recorded at station IS8 during mid-ebb tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction, road and drainage construction at Zones 1 and 2; box culvert construction at Zones 2 and 3; road and drainage work, land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS8 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide			Range of Suspended Solid (mg/L) Mid-Flood Tide		
IS8	5.5	to	25.5	5.8	to	31.3

The measured value for mid-ebb tide at station IS8 was below the range of suspended solid for mid-ebb tide during baseline monitoring.

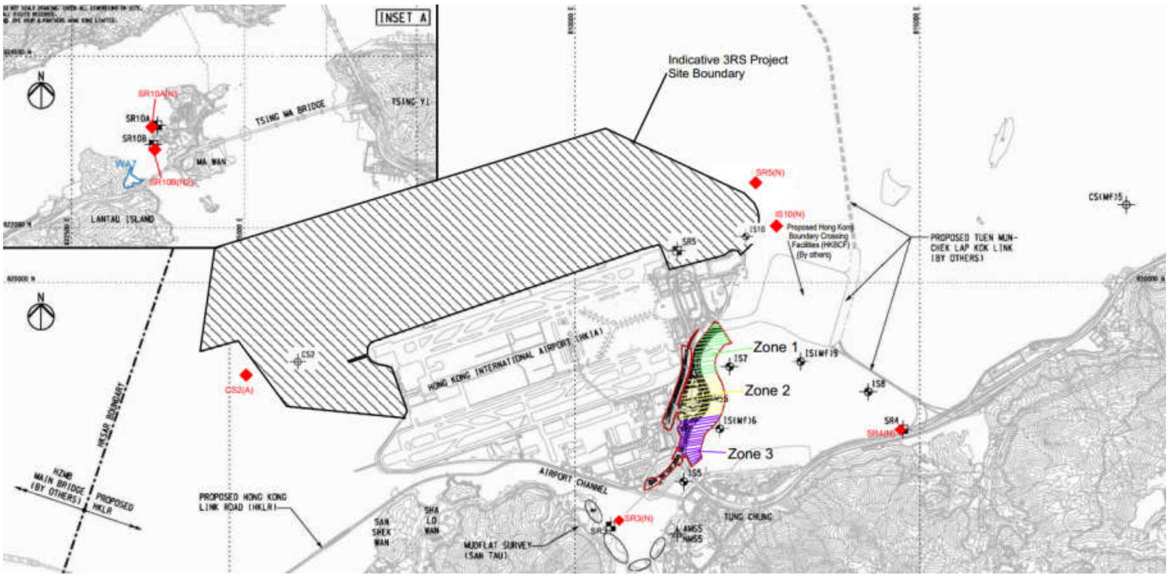
3. During sampling exercise, water appearance was observed moderate at station IS8. There was no marine transportation near station IS8 during sampling period and no marine works were conducted near station IS8 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader

Date : 8 February 2018

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 266a ver 2

Date of Notification: 23 January 2018

Works Inspected: 1-hr TSP monitoring was undertaken on 22 January 2018

Monitoring Location: AMS5 – Ma Wan Chung Village

Parameter: 1-hour TSP monitoring

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

PARAMETER	STATION	AL (µg/m^3)	LL (µg/m^3)	MEASURED LEVEL, µg/m^3
1-hr TSP (09:00 – 10:00 hours)	Ma Wan Chung Village (AMS5)	352	500	349
1-hr TSP (10:00 – 11:00 hours)	Ma Wan Chung Village (AMS5)	352	500	***398***
1-hr TSP (11:00 – 12:00 hours)	Ma Wan Chung Village (AMS5)	352	500	***391***

Notes: ***Bold Italic*** means AL exceedance
Bold Italic with underline means LL exceedance

Possible reason for Action or Limit Level Non-compliance:

Two Action Level exceedances of 1-hr TSP level were recorded for monitoring period from 09:00 – 12:00 hours at AMS5 – Ma Wan Chung Village, on 22 January 2018.

According to the information provided by the Contractor, the following construction activities were undertaken during the sampling period:

Zone 1

- Seawall Construction
- Road and Drainage Construction

Zone 2

- Seawall Construction
- Road and Drainage Construction

Zone 3A, 3B and 3C

- Seawall Construction
- Land Transportation of Fill Material
- Box Culvert Construction
- Road and Drainage Work

The Contractor confirmed that water spraying had been provided for fill materials to maintain the entire surface in a damp condition before loading and unloading and haul roads were sprayed with water by water trucks regularly. The fill material in dump trucks were covered to avoid generating dust. During the site visit undertaken on 26 January 2018, no significant dust emission was observed by ET at the construction site near monitoring station AMS5. Except the exceedances recorded on 22 January 2018, no Action and Limit Level exceedances of 1-hr TSP were recorded at AMS5 on other monitoring day in January 2018 (i.e 4, 10, 16 and 26 January 2018) and no Action and Limit Level exceedances of 24-hr TSP were recorded at AMS5 in January 2018.

The Air Quality Health Index (AQHI) recorded by EPD at the Tung Chung station ranged from 3 (low) to 6 (moderate) during the sampling period on 22 January 2018. The general weather condition during the monitoring period was hazy with low visibility. The hazy weather could cause higher readings of the portable dust meter.

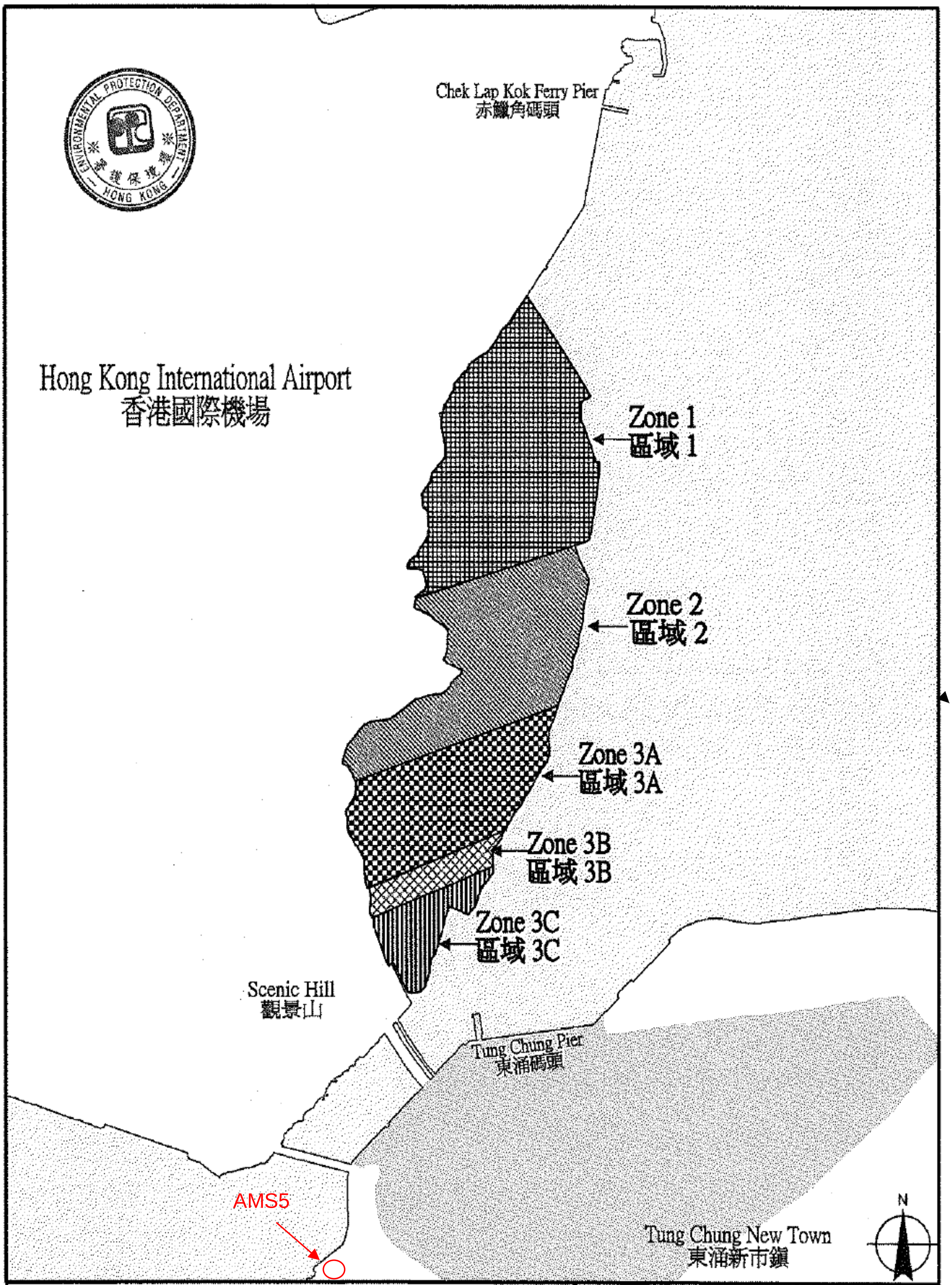
Actions taken/ to be taken:

The Contractor had properly implemented dust control measures efficiently throughout the construction phase. Mitigation measures such as water spraying by water truck was applied regularly. No significant dust emission was observed by ET on 26 January 2018 at construction site near monitoring station AMS5. The Contractor is reminded to continuously implement the dust mitigation measures as specified in Environmental Mitigation Implementation Schedule (EMIS), Environmental Management Plan, Method Statements, General and Particular Specifications of this Contract throughout the construction phase.

Reviewed by : Claudine Lee Title : ET Leader

Date : 13 February 2018

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



環境保護署 噪音管制監督

Environmental Protection Department Noise Control Authority

圖例 Legend

▦ Zone 1 區域 1
▨ Zone 2 區域 2
▩ Zone 3A 區域 3A
▩ Zone 3B 區域 3B
▥ Zone 3C 區域 3C

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 267a ver 2

Date of Notification: 23 January 2018

Works Inspected: 1-hr TSP monitoring was undertaken on 22 January 2018

Monitoring Location: AMS6 – Dragonair Building

Parameter: 1-hour TSP monitoring

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

PARAMETER	STATION	AL (µg/m^3)	LL (µg/m^3)	MEASURED LEVEL, µg/m^3
1-hr TSP (13:00 – 14:00 hours)	Dragonair Building (AMS6)	360	500	***386***
1-hr TSP (14:00 – 15:00 hours)	Dragonair Building (AMS6)	360	500	***400***
1-hr TSP (15:00 – 16:00 hours)	Dragonair Building (AMS6)	360	500	***412***

Notes: ***Bold Italic*** means AL exceedance
Bold Italic with underline means LL exceedance

Possible reason for Action or Limit Level Non-compliance:

Three Action Level exceedances of 1-hr TSP level were recorded for monitoring period from 13:00 – 16:00 hours at AMS6, Dragonair Building, on 22 January 2018.

According to the information provided by the Contractor, the following construction activities were undertaken during the sampling period:

Zone 1

- Seawall Construction
- Road and Drainage Construction

Zone 2
- Seawall Construction
- Road and Drainage Construction

Zone 3A, 3B and 3C
- Seawall Construction
- Land Transportation of Fill Material
- Box Culvert Construction
  Road and Drainage Work

The Contractor confirmed that water spraying had been provided for fill materials to maintain the entire surface in a damp condition before loading and unloading and haul roads were sprayed with water by water trucks regularly. The fill material in dump trucks were covered to avoid generating dust. During the site visit undertaken on 26 January 2018, no significant dust emission was observed by ET at the construction site near monitoring station AMS6. Except the exceedances recorded on 22 January 2018, no Action and Limit Level exceedances of 1-hr TSP were recorded at AMS6 on monitoring day in January 2018 (i.e 4, 10, 16, 26 January 2018) and no Action and Limit Level exceedances of 24-hr TSP were recorded at AMS6 in January 2018.

The Air Quality Health Index (AQHI) recorded by EPD at the Tung Chung station ranged from 8 (very high) to 10+ (serious) during the sampling period on 22 January 2018. The general weather condition during the monitoring period was hazy with low visibility. The hazy weather could cause higher readings of the portable dust meter.

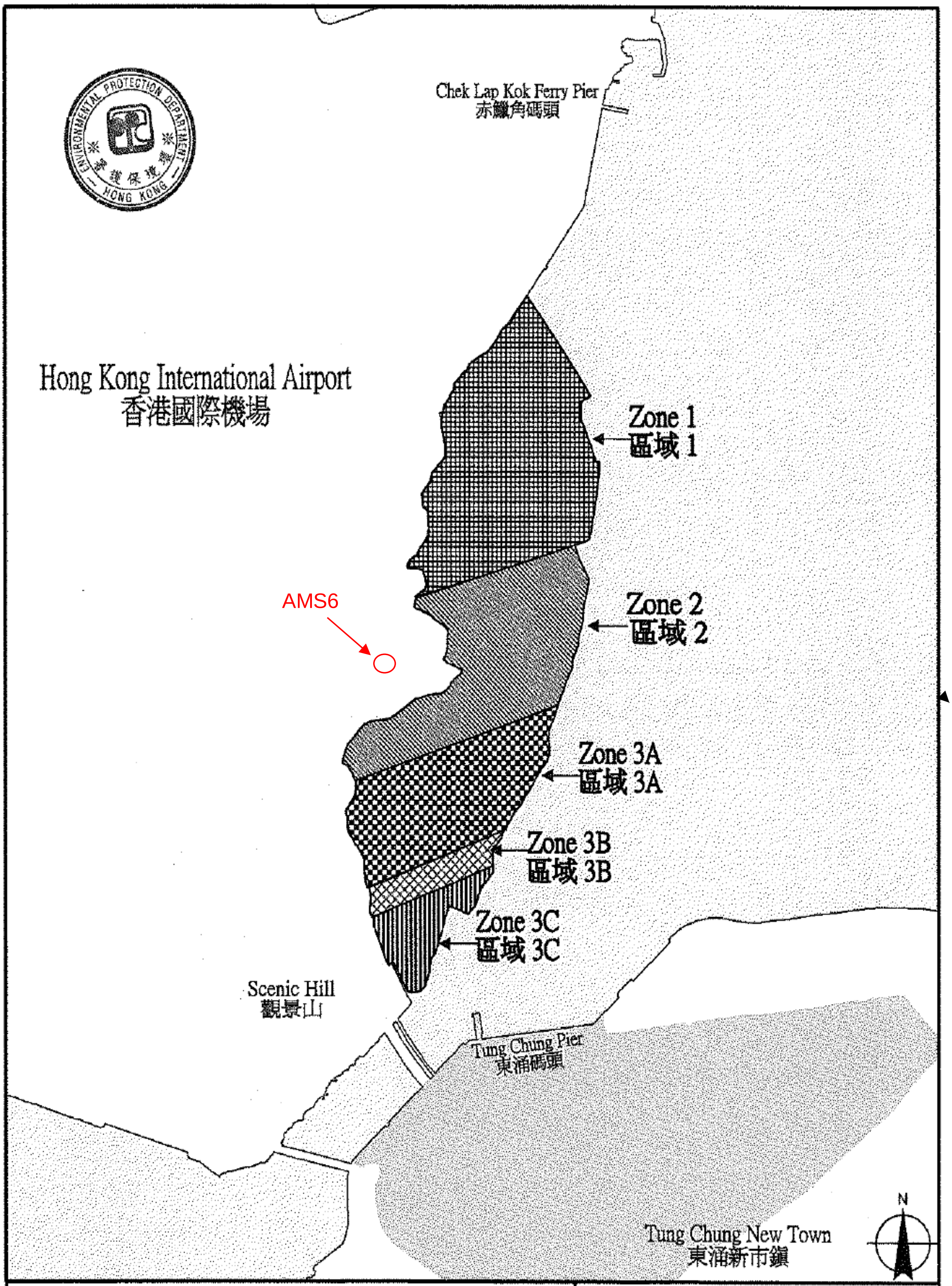
Actions taken/ to be taken:

The Contractor had properly implemented dust control measures efficiently throughout the construction phase. Mitigation measures such as water spraying by water truck was applied regularly. No significant dust emission was observed by ET on 26 January 2018 at construction site near monitoring station AMS6. The Contractor is reminded to continuously implement the dust mitigation measures as specified in Environmental Mitigation Implementation Schedule (EMIS), Environmental Management Plan, Method Statements, General and Particular Specifications of this Contract throughout the construction phase.

Reviewed by : Claudine Lee Title : ET Leader

Date : 13 February 2018

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



環境保護署　噪音管制監督

Environmental Protection Department　Noise Control Authority

圖例 Legend

▦	▨	▩	▧	▥
Zone 1 區域 1	Zone 2 區域 2	Zone 3A 區域 3A	Zone 3B 區域 3B	Zone 3C 區域 3C

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 268s ver 1

Date of Notification: 29 January 2018

Works Inspected: Data collected from water sampling works on 22 January 2018 and the results were issued on 26 January 2018

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS8	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 6.70 x 120%= **8.0** for mid ebb; CS(Mf)5: 11.70 x 120% = **14.0** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 6.70 x 130%= **8.7** for mid ebb; CS(Mf)5: 11.70 x 130% = **15.2** for mid flood)	9.9	***24.7***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***Bold Italic with underline*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 22 January 2018, an Action Level exceedance of suspended solid was recorded at station IS8 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction, road and drainage construction at Zones 1 and 2; box culvert construction at Zones 2 and 3; road and drainage work, land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS8 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide			Range of Suspended Solid (mg/L) Mid-Flood Tide		
IS8	5.5	to	25.5	5.8	to	31.3

   The measured value for mid-flood tide at station IS8 was below the range of suspended solid for mid-flood tide during baseline monitoring.

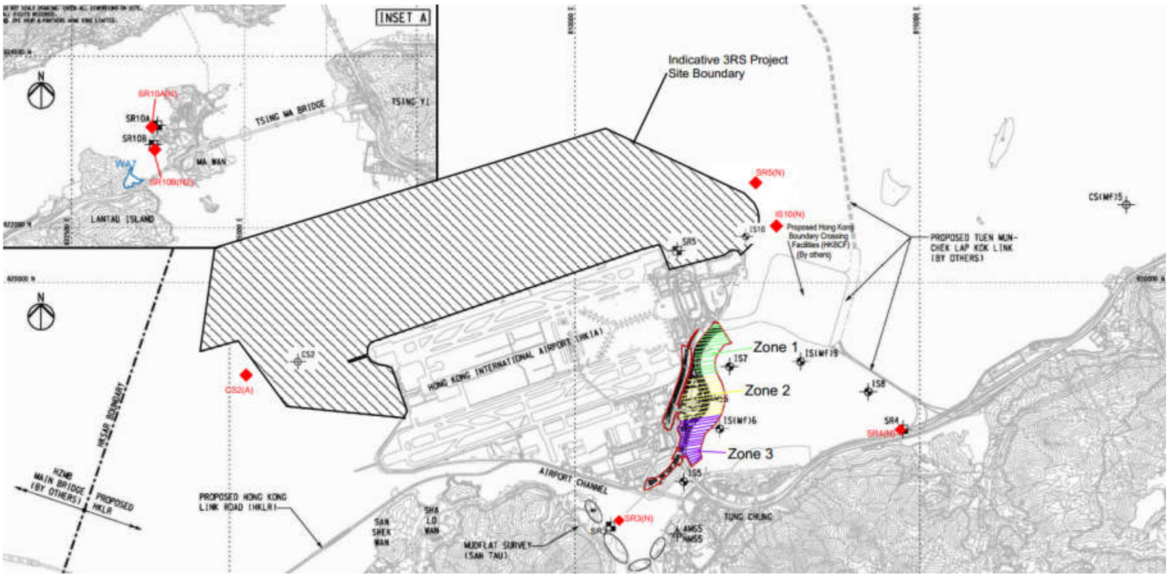
3. During sampling exercise, water appearance was observed moderate at station IS8. There was no marine transportation near station IS8 during sampling period and no marine works were conducted near station IS8 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader

Date : 8 February 2018

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 269s ver 0

Date of Notification: 1 February 2018

Works Inspected: Data collected from water sampling works on 24 January 2018 and the results were issued on 31 January 2018

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS8	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 12.07 x 120% = **14.5** for mid ebb; CS(Mf)5: 8.78 x 120% = **10.5** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 12.07 x 130% = **15.7** for mid ebb; CS(Mf)5: 8.78 x 130% = **11.4** for mid flood)	12.7	***24.9***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***<u>Bold Italic with underline</u>*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 24 January 2018, an Action Level exceedance of suspended solid was recorded at station IS8 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction, road and drainage construction at Zones 1 and 2; box culvert construction at Zones 2 and 3; road and drainage work, land transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS8 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide			Range of Suspended Solid (mg/L) Mid-Flood Tide		
IS8	5.5	to	25.5	5.8	to	31.3

The measured value for mid-flood tide at station IS8 was below the range of suspended solid for mid-flood tide during baseline monitoring.

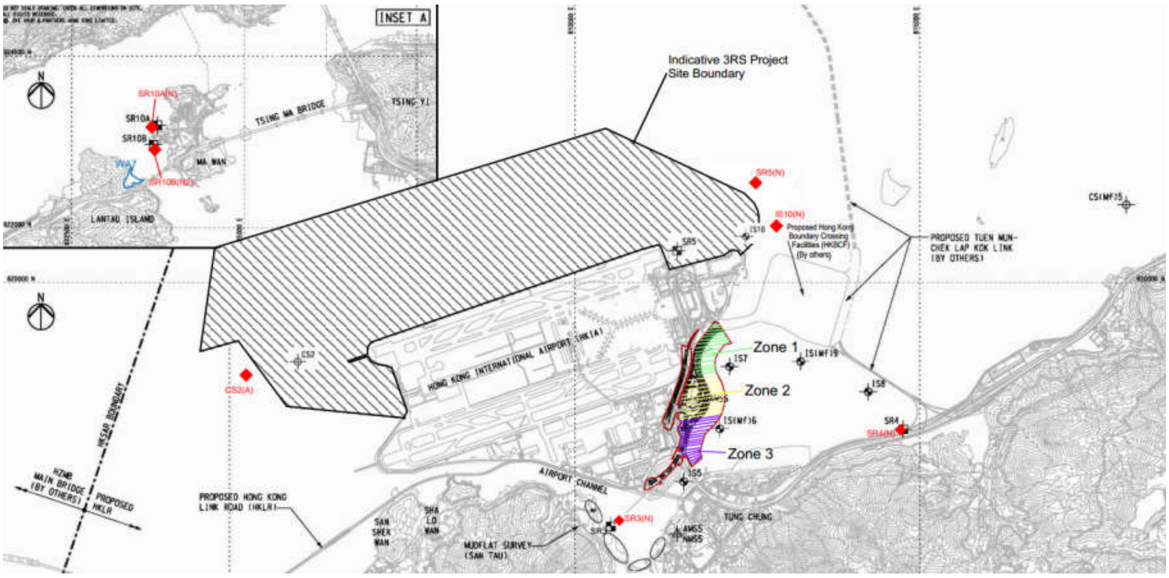
3. During sampling exercise, water appearance was observed clear at station IS8. There was no marine transportation near station IS8 during sampling period and no marine works were conducted station IS8 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader

Date : 6 February 2018

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 270s ver 0

Date of Notification: 13 February 2018

Works Inspected: Data collected from water sampling works on 5 February 2018 and the results were issued on 12 February 2018

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS8	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 15.55 x 120% = **18.7** for mid ebb; CS(Mf)5: 10.38 x 120% = **12.5** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 15.55 x 130% = **20.2** for mid ebb; CS(Mf)5: 10.38 x 130% = **13.5** for mid flood)	8.8	***28.5***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***Bold Italic with underline*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 5 February 2018, an Action Level exceedance of suspended solid was recorded at station IS8 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction, road and drainage construction at Zones 1 and 2; land transportation of fill material, backfilling activities at Zones 2 and 3; seawall construction, box culvert construction and road and drainage work at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS8 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide	Range of Suspended Solid (mg/L) Mid-Flood Tide
IS8	5.5 to 25.5	5.8 to 31.3

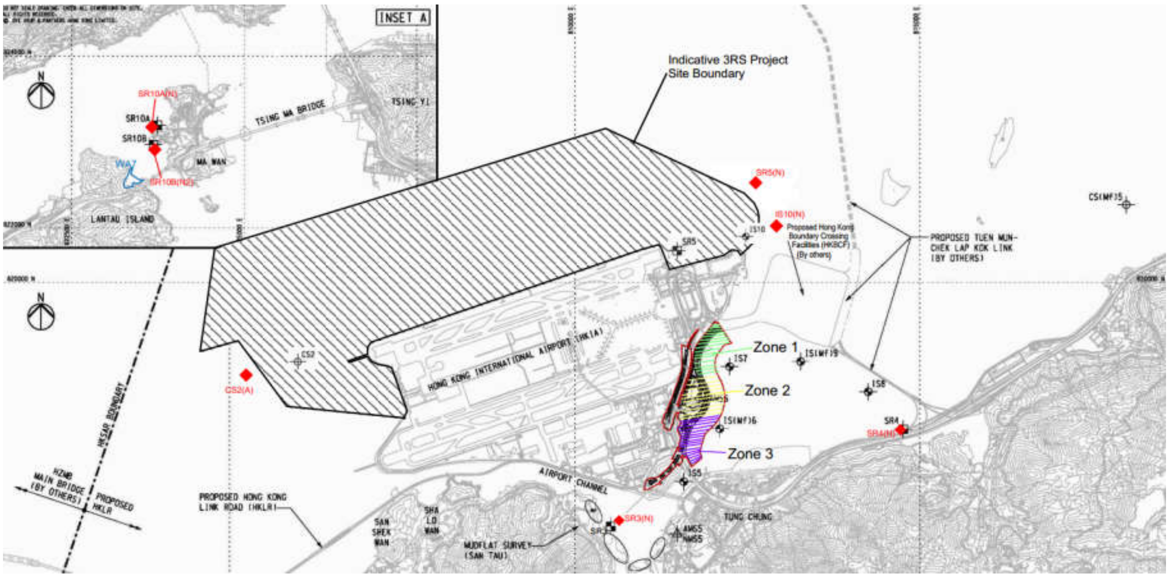
The measured value for mid-flood tide at station IS8 was below the range of suspended solid for mid-flood tide during baseline monitoring.

3. During sampling exercise, water appearance was observed moderate at station IS8. There was no marine transportation near station IS8 during sampling period and no marine works were conducted near station IS8 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.
4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader

Date : 6 March 2018

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 271s ver 0

Date of Notification: 20 February 2018

Works Inspected: Data collected from water sampling works on 7 February 2018 and the results were issued on 14 February 2018

Monitoring Location: Water Quality Monitoring Station

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS(Mf)9	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 11.78 x 120% = **14.1** for mid ebb; CS(Mf)5: 9.43 x 120% = **11.3** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 11.78 x 130% = **15.3** for mid ebb; CS(Mf)5: 9.43 x 130% = **12.3** for mid flood)	12.2	***23.7***

Notes:
1) DA means depth average.
2) ***Bold Italic*** means AL exceedances.
3) ***Bold Italic with underline*** means LL exceedances.

Possible reasons for Action Level Non-compliance:

On 7 February 2018, an Action Level exceedance of suspended solid was recorded at station IS(Mf)9 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Seawall construction, road and drainage construction at Zones 1 and 2; land transportation of fill material, backfilling activities at Zones 2 and 3; seawall construction, box culvert construction and road and drainage work at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS(Mf)9 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide			Range of Suspended Solid (mg/L) Mid-Flood Tide		
IS(Mf)9	5.5	to	20.1	7.3	to	26

   The measured value for mid-flood tide at station IS(Mf)9 was below the range of suspended solid for mid-flood tide during baseline monitoring.

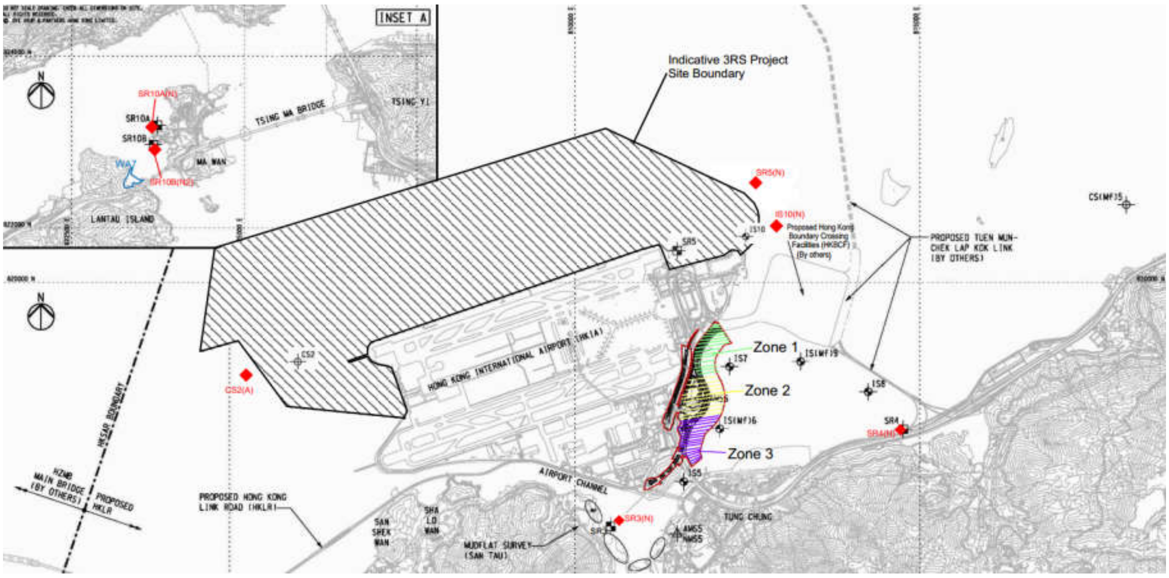
3. During sampling exercise, water appearance was observed moderate at station IS(Mf)9. There was no marine transportation near station IS(Mf)9 during sampling period and no marine works were conducted near station IS(Mf)9 which is located outside the site boundary of HKLR03 Contract. No abnormity or malpractice for the contract works was observed during the sampling exercise.

4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria was not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader

Date : 6 March 2018

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

Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
Notifications of Environmental Quality Limits Exceedances Notification No.: 272 ver 0

Date of Notification: 28 February 2018

Works Inspected: Not Applicable

Monitoring Location: NEL & NWL

Parameter: Ecology (Chinese White Dolphin Monitoring)

Action & Limit Levels			**Monitoring Results**
	North Lantau Social Cluster		The quarter of December 2017 – February 2018
	Action Level (AL)	Limit Level (LL)	
Northeast Lantau (NEL)	STG < 4.2 & ANI < 15.5	NEL: (STG < 2.4 & ANI <8.9) and NWL: (STG < 3.9 & ANI <17.9)	***STG = 0; ANI = 0***
Northwest Lantau (NWL)	STG < 6.9 & ANI < 31.3		***STG = 4.75; ANI = 15.73***

Notes:

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 triggered if either NEL or NWL falls below the criteria; LL will be triggered if both NEL and NWL fall below the criteria.
4. ***Bold Italic*** means AL exceedances.
5. ***<u>Bold Italic with underline</u>*** means LL exceedances

Possible reason for Action Level Non-compliance:

There were two Action Level exceedances of dolphin monitoring for the quarterly monitoring data (between December 2017 – February 2018). According to the contractor's information, the marine activities undertaken for HKLR03 during the quarter of December 2017 – February 2018 included seawall construction, box culvert construction, road and drainage construction and road and drainage works.

There is no evidence showing the current AL non-compliance directly related to the construction works of HKLR03 (where the amounts of working vessels for HKLR03 have been decreasing), although the generally increased amount of vessel traffic in NEL during the impact phase has been partly contributed by HKLR03 works since October 2012. It should also be noted that reclamation work under HKLR03 (adjoining the Airport Island) situates in waters which has rarely been used by dolphins in the past, and the working vessels under HKLR03 have been travelling from source to destination in accordance with the Marine Travel Route to minimize impacts on Chinese White Dolphin (CWD). In addition, the contractor will implement proactive mitigation measures such as avoiding anchoring at Marine Department's designated anchorage site – Sham Shui Kok Anchorage (near Brothers Island) as far as practicable.

According to Monitoring of Chinese White Dolphins in Southwest Lantau Waters – Fourth Quarterly Report (December 2015 to February 2016) which is available on ENPO's website, with their primary ranges centered in North and West Lantau waters, some individuals showed apparent range shifts or extensions to Southwest Lantau waters in 2015-16. For example, three individual dolphins (NL120, WL46 and WL221) indicated obvious shifts in their range use from NWL to West Lantau (WL) and Southwest Lantau (SWL) waters. Moreover, many individuals (e.g. NL212, NL260, WL200, SL55, WL232, WL237 and WL265) have extended their ranges from WL waters to SWL waters. It remains to be seen whether some of these individuals have permanently shifted their ranges away from their primary ranges in North Lantau, or begin to spend more times in SWL waters as part of their ranges.

ENPO updated that the Hong Kong-Zhuhai-Macao Bridge Authority (HZMBA) for the Mainland section of Hong Kong-Zhuhai-Macao Bridge (HZMB) has commenced an interim survey on fisheries resources and CWD in the Mainland waters. ENPO presented the preliminary findings of the HZMBA interim survey on CWD sighting and photo-identification works which provide solid evidence that some CWD that were previously more often sighted in HK waters have expanded their ranges into the Mainland waters, and some with reduced usage in HK waters. These preliminary data were mentioned in Monitoring of Chinese White Dolphins in Southwest Lantau Waters – Fourth Quarterly Report (December 2015 to February 2016) which is available on ENPO's website.

Actions taken/ to be taken:

<u>Inform the IEC, ENPO, ER/SOR and Contractor</u>
The ETL informed IEC, ENPO, SOR and Contractor via email on 28 February 2018.

<u>Repeat statistical data analysis to confirm findings and check monitoring data:</u>

A two-way ANOVA with repeated measures and unequal sample size was conducted to examine whether there were any significant differences in the average encounter rates between the baseline and impact monitoring periods. The two variables that were examined included the two periods (baseline and impact phases) and two locations (NEL and NWL).

For the comparison between the baseline period and the present quarter (21st quarter of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.0127 and 0.0470 respectively. If the alpha value is set at 0.05, significant differences were detected between the baseline and present quarters in both the average dolphin encounter rates of STG and ANI.

For comparison between the baseline period and the cumulative quarters in impact phase (i.e. first 21 quarters of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.000000 and 0.000000 respectively. Even if the alpha value is set at 0.00001, significant differences were still detected in both the average dolphin encounter rates of STG and ANI (i.e. between the two periods and the locations).

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:

The AFCD monitoring data during December 2017 to February 2018 has been reviewed by the dolphin specialist. During the same quarter, no dolphin was sighted from 68.08 km of survey effort on primary lines in NEL, while five groups of 18 dolphins were sighted from 89.41 km of survey effort on primary lines in NWL. This review has confirmed that the low occurrence of dolphins reported by the HKLR03 monitoring surveys in winter 2017-18 in NEL and NWL survey area is accurate.

Recommendations/ mitigation measures/ actions if necessary:

Review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary:

All dolphin protective measures are fully and properly implemented in accordance with the EM&A Manual. According to the Regular Marine Travel Route Plan, the travelling speed of vessels must not exceed 5 knots when crossing the edge of the marine park. The Contractor will continue to provide training for skippers to ensure that their working vessels travel from source to destination to minimize impacts on Chinese White Dolphin and avoid anchoring at Marine Department's designated anchorage site - Sham Shui Kok Anchorage (near Brothers Island) as far as practicable. Also, it is recommended to complete the marine works of the Contract as soon as possible so as to reduce the overall duration of impacts and allow the dolphins population to recover as early as possible.

A meeting was held on 7 March 2018 with attendance of representative of ENPO, Resident Site Staff (RSS), Environmental Team (ET) and dolphin specialist for Contract Nos. HY/2013/01, HY/2011/03, HY/2011/09, HY/2012/07, HY/2012/08. The discussion/ recommendation as raised in the meeting which might be relevant to HKLR03 Contract are summarized below.

It was concluded that the HZMB works is one of the contributing factors affecting the dolphins. It was also concluded the contribution of impacts due to the HZMB works as a whole (or individual marine contracts) cannot be quantified nor separate from the other stress factors.

The dolphin specialists of the projects confirmed that the CWD sighting around the North of Sha Chau and Lung Kwu Chau Marine Park (SCLKCMP) has significantly decreased, and it was likely related to the re-routing of high speed ferry (HSF) from Skypier.

It was reminded that the ETs shall keep reviewing the implementation status of the dolphin related mitigation measures and remind the contractor to ensure the relevant measures were fully implemented.

It was recommended that the marine works of HZMB projects should be completed as soon as possible so as to reduce the overall duration of impacts and allow the dolphins population to recover as early as possible.

It was also recommended that the marine works footprint (e.g., reduce the size of peripheral silt curtain) and vessels for the marine works should be reduced as much as possible, and vessels idling / mooring in other part of the North Lantau shall be avoided whenever possible.

HyD updated that the draft map of the proposed Brothers Marine Park (BMP) was gazetted in February 2016. ENPO updated that the BMP was approved by the Chief Executive in the Executive Council in August 2016. The ETs were reminded to update the BMP boundary in the Regular Marine Travel Route (RMTR) Plan. The BMP was designated on 30 December 2016. It was suggested that the protection measures (e.g. speed limit control) for the approved BMP shall be brought forward so as to provide a better habitat for dolphin recovery. It was noted that under the latest RMTR Plan, the contractors have committed to reduce the vessel speed in BMP.

The marine travel route will shift along the edge of Brother Marine Park as much as practical under the RMTR Plan. It was noted that even though marine vessels may moor within the mooring site of BMP, commercial activities including loading / unloading / transshipment are not allowed except a permit is obtained. The HZMB works vessels were recommended to avoid the BMP.

It was remined that starting from January 2016, HSF from the SkyPier will be re-routed north to the northern edged of the Sha Chau and Lung Kwu Chau Marine Park which currently has the highest density of CWD in the NWL. While the HSF will reduce speed to 15 knots, the associated disturbance may still affect CWD in the area. It was implied that the CWDs in the area shall be closely followed.

There was a discussion on exploring possible further mitigation measures, for example, controlling the underwater noise. It was noted that the EIA reports for the projects suggested several mitigation measures, all of which have been implemented.

Reviewed by : Claudine Lee

Title : ET Leader

Date : 20 June 2018

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

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

Cumulative Statistics on Complaints

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

Complaint Register

Complaint No.	Received Date	Received Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
COM-2012-008	22-Oct-2012	16:41	EPD	Environmental (Water Pollution)	X先生投訴東涌機場對出港珠澳大橋地盤，有污水排到海中（懷疑是油污），污染環境，要求跟進及回覆。 (Photos attached). The "phenomenon"was observed over the past week. The photos attached were taken on 19.10.2012, 22.10.2012 and 23.10.2012	Portion X	The pelican barge as shown in the photos provided on 24 October 2012 did not belong to the Contractor.	Closed	–
COM-2012-009	05-Nov-2012	–	1823 CASE: 1-391341859	Environmental (Noise and light)	The citizen complained about noise and light pollution from the barges working on the Zhuhai Macau Bridge project. Barge machinery working to about 10pm at night and sometimes can be heard intermittently through the night. The noise is more audible because the machinery is sited on/over the water.	Portion X	The Contractor has adjusted the emission angle of the lights on working vessels with a view to minimizing the glaring effect to the adjoining residential areas	Closed	–
COM-2012-009(2)	11-Nov-2012	–	1823 CASE: 1-391341859	Environmental (Noise, water quality & air quality)	The complainant noted that the barges are still working on a Sunday, up until 10pm at night, very noisy, causing pollution of the water and at times expelling black smoke from their engines. A photograph taken at 10.40am on Sunday 11 November 2012 was attached.	Portion X	–	Closed	–
COM-2012-009(3)	14-Nov-2012	–	1823 CASE: 1-391341859	Environmental (Noise)	The complainant did not accept the reply. He further said that "All staff has to do is come out either at night or a Sunday to check, so easy. If this continues I will have no choice to call the police out."	Portion X	The Contractor has taken the following further mitigation measures for the reclamation works: (a) Mitigation Measures for Noise Nuisance: • Improvement of noise covers onto the generators / motors on barges; and • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges. (b) Mitigation Measures for Smoke Emission: • Increase frequency of maintenance and checking of engines on barges that may emit smoke; and • Installation/ replacement of smoke suppression device such as air filter, at engines where necessary.	Closed	–
COM-2012-010(1)	06-Nov-2012	–	<hzmbenquiry@hyd.gov.hk>	Environmental (Noise)	The complainant stated that lately work has started opposite Le Bleu Deux estate using barges. The work in process is generated high level of noise from powered tools used on those barges. Even if the noise was acceptable on weekdays during daytime, it is definitely creating nuisance to local resident at night (past 7pm) and on Sunday. Basically as 5 November 12 evening, he could not leave his window open as the elevel of noise prevent his baby to sleep and he could not even hear the TV in his flat. the noise coming from the site is higher then the sounds from my TV. He would like to know what measure you are planning to put in place to address this issue. He did not think that the current level of noise are acceptable past 7pm and on Sunday.	Portion X	–	Closed	–
COM-2012-010(2)	15-Nov-2012	–	<hzmbenquiry@hyd.gov.hk>	Environmental (Noise & air quality)	The noise can be very annoying, on days depending of the wind direction, you are making more noise than the plane taking off (I measured it myself), to give you an idea of the disturbance you are creating again. *I would also like to bring an other topic beside the noise. Since the beginning of the filling operation, very strong smell of exhaust pipe gas can be smelt in the residential area and I think this is a huge health concern for the local population. On certain days when the wind is blowing towards the residential areas, I have the feeling that there is a diesel engine running in my living room! I would like to know how you are planning to address this?*	Portion X	–	Closed	–

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

Complaint Register

Complaint No.	Received Date	Received Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
COM-2012-010(3)	15-Nov-2012	–	EPD	Environmental (Noise, water quality & air quality)	The complainant has copied his reply from HyD dated 15 Nov 2012 to EPD and Health Department and he further complained on the following issues: • Noise nuisance generated by diesel engine; • Smell of exhaust pipe gas in his residence; and • Suspected marine water pollution (see enclosed photo). The complainant also requested EPD to install noise and air quality monitoring at Le Bleu Deux estate.	WA6 Portion X	Noise from blowing horn from vessels and barges and Metallic Parts thrown on Ground • Reminded the Contractor to request the captains of the vessels and barges not blowing the horn except in case of emergency or prevention of ship collisions/serious safety matters; • The supervision teams would enhance their tight control on the vessels and barges working at that location, and monitor the situation and take corresponding actions; and • To enhance the work force of RSS to supervise each step of construction activities and the use of hand tools until the completion of the site office erection. Noise from Engines and Cranes of the Barges during Marine Operation • Installation of noise covers onto the generators / motors on all working barges; • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and • Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays. Noise from power generators • All generators shall be either screened or covered by adequate sound reducing materials; • All generators situated in front of Le Bleu Deux estate will be switched off at 19:00 hrs, except two generators will be kept running up to 22:00hrs and one generator will be kept running overnight for maintaining minimum power requirement; and • Arrangement with CLP Power HK Ltd (CLP) for the permanent power supply to the site offices has been chased in a matter of urgency. The use of power generators will be terminated in phase starting from 6 December 2012. Exhaust Fume Emission • Tight control on using the machine and generators in the vicinity of Le Bleu Deux estate; and • Closely monitor the frequency on engine cleansing and replacement of dust filter. Change of Sea Water in Yellow • The Contractor was reminded to move their vessels and barges at areas with adequate water depth as practically as possible.	Closed	–
COM-2012-010(4)	19-Nov-2012	22:25 hrs.	EPD	Environmental (Air quality and Noise)	The complainant filed again a complaint for the strong exhaust pipe fumes smell coming for the construction site in Tung Chung tonight as well as the extremely high level of noise as at at 10:30 pm (19/11/12).	WA6			
COM-2012-010(5)	24-Nov-2012 25-Nov-2012	13:42 hrs. 13:49 hrs 22:02 hrs. 22:08 hrs.	EPD (cc to HyD) EPD (cc to HyD)	Environmental (Air quality and Noise)	The noise is coming for the following sources: - power generator - engines from the barges used for marine operation - noise from the cranes use of the construction barges. - engine from the boat used to transport staff in and out - boats blowing their horn late in the evening and at night Gas emissions: - power generators - marine operation The complainant file again a complaint against the strong exhaust pipe emission flowing towards le Bleu Deux estate this afternoon 24/11/10 at 13:47. 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 Portion X			
COM-2012-012(1)	13-Nov-2012	22:27 hrs.	HyD	Environmental (Noise)	Once again your site continues to work late. The attached photo was taken at 10.15pm on Tuesday 13 Nov. The machinery used on the barges is very noisy. Why do you continue to work till 10pm and why do you work on a Sunday. Surely this is classified as a construction site for which you are in breach of various ordinances. An early reply is appreciated.	Portion X	The following further mitigation measures during the course of the reclamation works will be taken: • Installation of noise covers onto the generators / motors on all working barges; • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and • Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at nighttime and Sundays.	Closed	–
COM-2013-015	17-Jan-2013	–	EPD	Environmental (Air)	The complainant raised that construction dust was arising from construction site of China State Contruction Engineering (Hong Kong) Ltd near Siu Ho Wan Sewage Treatment Works due to insufficient dust suppression and inadequate wheel washing.	WA3	The Contractor of HY/2011/03 would take the following actions with immediate effect • To ensure no loosed earth material exposed at the edges of eth stockpiled earth materials i.e. to prevent erosion by wind and water ; • To cover the stockpiled earth material by adequate 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	

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Complaint Register

Complaint No.	Received Date	Received Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
COM-2013-016	18-Jan-2013	–	EPD	Environmental (Water)	The complainant advised that turbid water and concrete/cement has been arising from the Hong Kong-Zhuhai-Macao Bridge Hong Kong Projects to marine water. The complainant did not specify the soure of the turbid water and concrete/cement.	N/A	–	Closed	–
COM-2013-018	02-Mar-2013	–	HyD	Environmental (Noise)	The complainant advised that "It seems that the Contractor's cranes operating on the barges are again in need of bit of lubricant, as this evening i.e. 2 March 2013, the cranes are again polluting the neighborhood with intolerable noise." The complainant requested Mr. Ng from EPD to take note of this complaint and expected a detailed report.	Portion X	The Contractor has been reminded to continue the process of applying lubricant/ grease to all barges which are to be worked in the site area near Le Bleu Deux.	Closed	–
COM-2013-018 (2)	04-Mar-2013	–	EPD	Environmental (Noise)	The complainant complained that the cranes operating on the barges for the HZMB HK project generating squeak noise in the evening of 1 March 2013 causing an annoyance to him/her.	Portion X	The Contractor implemented the following measures : - Briefing given to the operator for the proper operation of marine vessels; - Keep adequate routine maintenance ; - Minimize the quantities of plant after 7pm; & - Review the working hours of night time works and switch off all unnecessary machinery and plants at night time.	Closed	–
COM-2013-018 (3)	13-Mar-2013	–	HyD	Environmental (Noise)	The complainant asked what noise mitigation the Contractor was taking. The complainant pointed out that the noise in question was so strong that it woke up his baby girl.	Portion X	–	Closed	–
COM-2013-018 (4)	22-Mar-2013 24-Mar-2013	14:19 hrs 10:28 hrs	HyD	Environmental (Noise)	The complainant complained that "the lifting appliance was operated gently and softly to keep the noise emission as low as possible" but the noise still woke up his baby. "Lubricant was regularly applied to smoothen all moving parts and gear wheels of the working barges" that did not seem to be the case at all. The complainant pointed that the crane operating at 10:27 hrs on 24 March 2012 needed lubricant.	Portion X	The Contractor will keep on closely monitoring the situation and carry out the necessary noise mitigation measures while barges are working in the site area nearby residential area.	Closed	–
COM-2013-018 (5)	31-Mar-2013 1-Apr-2013	10:25 hrs 10:32 hrs	HyD	Environmental (Noise)	The complainant complained that noise emitted from a crane at 10:19 hrs. The complainant further complained that noise was generated from a barge at 07:30 hrs.	Portion Y	–	Closed	–
COM-2013-018 (6), (7) & (9)	15-Apr-2013	15:41 hrs	EPD	Environmental (Noise)	The complainant complained that machinery noise generated from the construction site near Tung Chung Development Pier operating for the Hong Kong-Zhuhai-Macao Bridge Hong Kong during the normal working hours on 6 April 2013 and 13 April 2013 and the late evening of 10 April 2013 causing nuisance to public.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours and non-restricted hours, the Contractor has implemented the following additional measures: - Briefing given to the operator of the barges for proper operation of marine vessels; - Operating barge by experienced operators only; - Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to minimize squeak noise; - Install noise covers onto noisy equipment where practicable. - Remind subcontractor only well-maintained plant should be operated on-site. - Minimized the quantities of plant used after 7pm as far as practicable; - Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and - Regular review of working hours for night time works and switch off all unnecessary machinery and plants at night time.	Closed	–

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

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

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COM-2014-065	24-Dec-14	Nil	EPD	Environmental (Water Qulity)	A complaint was received on 24 December 2014 regarding the increase of marine refuse (water bottles and debris) along the shore from Yat Tung to Tai O, where the complainant considered might be in relation to the HZMB project(s).	Portion X	Based on the investigation results, it is considered that the complaint is unlikely related to HKLR03 Contract. Nevertheless, the Contractor is reminded to implement all recommended mitigation measures for waste management and avoid dumping rubbish into the sea.	Closed	-
COM-2015-066	08-Apr-15	Nil	EPD (An email forwarded by Arup)	Environmental (Dust)	According to Arup's email to CSCE on 8 April 2015, the ET was informed that a complaint had been received by EPD at about 18:29 hrs on 2 Apr 2015 regarding construction dust from construction site (S15) at Kwo Lo Wan Road, Tung Chung."	S15	Based on the Contractor's information and our investigation, no non-compliance was identified. The Contractor is reminded to continuously implement the dust suppression measures to minimize potential dust impact.	Closed	-
COM-2015-068	10-Apr-15	Nil	EPD (An email forwarded by Arup)	Environmental (Noise)	According to Arup's email to CSCE on 10 April 2015, it is noted that EPD received a noise complaint from a resident of Caribbean Coast. According to the complainant, he was disturbed by noise from construction activities of the HZMB Project during weekends and holidays. The complainant was referring to those activities carried out between Scenic Hill and HKBCF because the complainant mentioned the contractor was China State.	N/A	Based on the information provided and our investigation, the Contractor had complied with the conditions laid down in Construction Noise Permit (CNP) Nos. GW-RS0113-15 and GW-RS0356-15. Hence, no non-compliance was identified. The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours and recommended to implement the following measures to minimize the potential noise impact during restricted hours: minimize the quantities of plant used during restricted hours as far as practicable; and regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours.	Closed	-
COM-2015-074	16-Jul-15	Nil	EPD	Environmental (Wastewater)	According to EPD's email to Highways Department, ET, SOR and ENPO, a complaint was received on 16 July 2015 regarding wastewater splashing from vehicles to pedestrian at Tung Fai Road. The complainant complained that wastewater was splashed to people waiting at the bus stop near Civil Aviation Department Headquarters Office Building when vehicles leaving the HZMB site to Tung Fai Road.	Tung Fai Road	Based on the investigation results, it is considered that the complaint is unlikely related to HKLR03 Contract. The Contractor has been reminded to slow down their vehicles when leaving the concerned construction site.	Closed	-
COM-2015-076	17-Jul-15	Nil	EPD (An email forwarded by ENPO)	Environmental (Noise)	According to EPD's email to ENPO on 17 July 2015, it is noted that EPD received a noise complaint from public. The complainant said that he/she was disturbed by the noise generated from construction sites of the HZMB Project during the daytime period of past few Sundays. Afterwards, EPD contacted the complainant and confirmed that the noise was generated from construction sites along Kwo Lo Wan Road and signs of "China State Construction Engineering (HK) Ltd" were noted.	Kwo Lo Wan Road	Based on the information provided and our investigation, the Contractor complied with the conditions laid down in Construction Noise Permit (CNP) Nos. GW-RS0733-15 and GW-RS0740-15 and no noncompliance was found. The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours and recommended to implement the following measures to minimize the potential noise impact during restricted hours: - minimize the quantities of plant used during restricted hours as far as practicable; and - regular review of working duration for restricted hours works and switch off all unnecessary machinery and plant during restricted hours.	Closed	-
COM-2015-079	07-Dec-15	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Water Quality)	According to ENPO's email to SOR and ET on 7 December 2015, a complaint was received by EPD on 2 December 2015 regarding water quality near HKLR work site. The complainant mentioned that "I moved to Tung Chung since July and it was the second time I saw similar situation polluting the sea. Last time it was even worse in red colour. Please look into this matter and let me know what was being dropped into the sea and whether it was hazardous to the sea.". EPD has contacted the complainant and obtained the additional information from the complainant. EPD suspected that the incident happened in the afternoon on 28 November 2015.	Portion X	According to the information provided by the Contractor, the derrick barge belongs to Contract No. HY/2011/03. The concerned sediment plume was likely to be caused by stirring up of mud in the seabed by the derrick barge sailed at the navigation channel situated at shallow water zone where the water depth ranging from 3.25m – 3.75m. Public fill materials were placed on the derrick barge. The barge was in good conditions with no materials being dumped into the sea. The Contractor has been implementing the mitigation measure as specified in the Implementation Schedule of Environmental Mitigation Measures that is all vessels to be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. The Contractor is recommended to arrange vessels to move out of the site area during high tide to avoid the disturbance to the seabed as far as practicable and deploy marine vessels effectively in order to minimize the number of trips and disturbance to seabed in shallow waters.	Closed	-
COM-2016-087	28-Jun-16	Nil	EPD	Environmental (Water Quality)	According to EPD's email, a complaint was received on 28 June 2016 regarding polluted water discharge incident opposite to Tung Chung Development Pier.	N/A	The Contractor has designated competent persons to operate, check and maintain individual wastewater treatment plant as an existing control measures. In case of breakdown of wastewater treatment plants, no discharge of wastewater will be allowed until repair is completed to resume the normal operation of the treatment plant. Specific toolbox / refreshment training trainings have been providing for the staff and workers for each of the wastewater treatment plants. The Contractor has been reminded to implement the above control measures and ensure no untreated wastewater will be discharged into open channel.	Closed	-
COM-2016-098	11-Nov-16	16:33	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Water Quality)	According to ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 11 November 2016, it is noted that EPD received a complaint lodged by a member of the public regarding sediment plume generated by a vessel named "長盛308 (Chang Sheng 308)" during the vessel travelling from construction site of Hong Kong- Zhuhai- Macao Bridge near Scenic Hill to Tung Chung New Development Ferry Pier.	Portion X	The Contractor has been reminded to schedule the vessel to move in / out of the construction site during higher tide and minimize number of trips to avoid the stirring up of the seabed mud when the vessel travelling in very shallow water areas as much as practicable. Also, the Contractor was reminded to implement environmental mitigation measures in accordance with Environmental Mitigation Implementation Schedule (EMIS).	Closed	-

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COM-2016-099	02-Dec-16	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Other: Slurry on public road)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 2 December 2016 that EPD received a complaint lodged by a member of the public regarding slurry on East Coast Road. The complainant considered the slurry might relate to the construction site of China Harbour Engineering Company Limited next to a hotel.	East Coast Road	During the weekly site inspection undertaken on 7 December 2016, no slurry was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03. The Contractor has constructed wheel washing facilities at all the site accesses, including the one near the site access of China Harbour Engineering Company Limited next to the Marriott Hotel (which is believed to be the hotel mentioned by the complainant), to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or other debris would be brought to the public area. In addition, regular watering is conducted by water truck at least twice per day at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 to minimize dust emission. Based on the investigation results, it is considered that the complaint unlikely related to Contract No. HY/2011/03. Notwithstanding that, the Contractor has been reminded to clean wheels and body of vehicles as usual before allowing them to leave construction site.	Closed	-
COM-2016-100	14-Dec-16	Nil	ENPO (Contract No. HY/2010/02 project team received an environmental complaint referred by Government's hotline (1823) on 2 December 2016. ENPO forwarded the Complaint to Contract No. HY/2011/03.)	Environmental (Other: mud/ derbris on public road)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 14 December 2016 that EPD received a complaint lodged by a member of the public regarding mud/debris on public road. The complainant complained that "the whole stretch of East Coast Road & Tung Fai Road is truly disgusting. The stone debris big and small and the mud is a nuisance to those who use the road every day. When dry there is a lot of dust and when it rains or when the road washing trucks are out it becomes a muddy mess. Cars and pedestrians are covered in dust or mud, cars are hit by stones is a daily hazard. Washing of construction vehicles is inadequate as the sand and soil is carried out onto the roads. Oversight of road conditions are not carried out by the Airport Authority. An alternative route should be created for the large number of construction vehicles as they drive fast.".	East Coast Road and Tung Fai Road	During the ET's inspection on 7 December 2016 (weekly routine inspection) and 16 December 2016, no mud or debris was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 as well as the section of Tung Fai Road leading to the site access of Contract No. HY/2011/03. The Contractor provided wheel washing facilities at all the site accesses, including the one accessing East Coast Road and the one accessing Tung Fai Road, to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. It was observed that the areas of the wheel washing facilities and the respective road section between the wheel washing facilities and the site accesses of East Coastal Road and of Tung Fai Road were paved with concrete. High pressure jets were also provided at the wheel washing facilities for cleaning of vehicles before the vehicles were allowed to leave the construction site. In addition, regular watering at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03 was conducted by water trucks at least twice per day to minimize dust emission. Based on our investigation result, it is considered that the complaint is unlikely related to Contract No. HY/2011/03. Notwithstanding that, the Contractor has been reminded to clean the wheels and body of vehicles as usual before allowing them to leave construction site.	Closed	-
COM-2016-103	14-Dec-16	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Noise)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 14 December 2016 that EPD received a noise complaint lodged by a member of public. The complaint was about hammering noise generated from construction sites at midnight in the past month. The complainant could not identify the source but suspected that the noise was generated from HZMB Project. It was also noted from ENPO's email on 21 December 2016 that EPD supplemented that the complainant lives in Seaview Crescent. The complainant sometimes heard noise created by impacting metals or metal/ground, particularly in December 2016.	N/A	The Contractor confirmed that no hammering works was conducted and no impact noise was generated at midnight in November 2016 and December 2016. The Contractor complied with the conditions laid down CNP No. GW-RS740-16 and no non-compliance was found. Based on our investigation result, it is considered that the complaint is unlikely related to Contract No. HY/2011/03. In this case, no follow up action is required. However, the Contractor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours: - minimize the number of machinery and plant used during restricted hours as far as practicable; - regularly review the working duration for restricted hours works; and - switch off all unnecessary machinery and plant during restricted hours.	Closed	-
COM-2017-104	09-Jan-17	Nil	IEC (EPD referred the email from Complainant to IEC)	Environmental (Other: Cleanliness problem at East Coast Road and Tung Fai Road)	It was noted from IEC's email to the Environmental Team, Supervising Officer's Representative and Contractor on 9 January 2017 that EPD received a complaint lodged by a member of the public (a bus operator at the HKIA) regarding cleanliness problem at East Coast Road and Tung Fai Road.	East Coast Road and Tung Fai Road	During the ET's inspection on 10 January 2017, it was observed that the Contractor provided wheel washing facilities at all the site accesses, including the one accessing East Coast Road and the one accessing Tung Fai Road, to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. No mud was observed at the section of Tung Fai Road leading to the site access of Contract No. HY/2011/03. However, some mud was observed at the section of East Coast Road adjoining the site boundary of Contract No. HY/2011/03. Based on our investigation result, although there is no direct evidence showing that the complaint is related to Contract No. HY/2011/03, the Contractor has been reminded to clean the wheels and body of vehicles as usual before allowing them to leave construction site. Road sweeper will be employed to sweep along the East Coast Road twice per week and remove the deposited mud underneath the water-filled barrier to facilitate the road-washing water to be drained away from the carriageway. It should be of note that the ground level of site boundary of HY/2011/03 adjoining the East Coast Road is lower than that of East Coast Road and the Site of HY/2011/03 receives unidirectional flow of surface runoff from the East Coast Road. In addition, the following measures will be implemented to enhance dust suppression: 1. Stockpile along East Coast Road will be reduced in height and compacted as far as practicable 2. Haul road will be demarcated to prevent vehicles from going into non-wetted surface. 3. Site access S16 will be thoroughly cleaned and all vehicles will be stopped for second washing after being washed in the wheel washing bay. 4. Water sprinklers will be installed and operated at the stockpiles behind the water-filled barriers along East Coast Road.	Closed	-
COM-2017-108	23 February 2017 and 2 March 2017	Nil	Airport Authority Hong Kong (AAHK) via SOR / Referred to ENPO by HyD	Environmental (Air quality, Water quality and Other: Cleanliness problem at East Coast Road)	AAHK stated in their email to SOR on 23 February 2017 that there was sand/muddy water accumulating along the water barriers at East Coast Road Southbound. AAHK also lodged a complaint to HyD, which HyD referred to ENPO on 1 March 2017 (received by ET on 2 March 2017). AAHK reported that the cleanliness of East Coast Road remained unsatisfactory with dust all over the water barriers/traffic aids, and sands accumulating along the carriageway.	East Coast Road	During ET's observation on 3 and 13 March 2017, properly functioning wheel washing facilities were provided to wash all vehicles prior to leaving the site. The section of road between the wheel washing facilities and the site access (S25) was hard paved and no mud/ silt was observed at the concerned road section and the site access. As the ground level of site boundary of HY/2011/03 adjoining the East Coast Road is lower than that of East Coast Road, the possibility of muddy water seepage from S25 to East Coast Road is low.Based on our investigation result, the complaint is unlikely to be related to Contract No. HY/2011/03. Nevertheless, the Contractor has been reminded to strictly upkeep the proper practice of washing all vehicles leaving the site access (S25). Also, the Contractor has raised the majority of the temporary traffic signs to a higher level to avoid muddy water splashing on them. Also, the temporary traffic signs will be cleaned regularly.	Closed	-

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

Complaint Register

Complaint No.	Received Date	Received Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
COM-2017-112	27 March 2017	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Noise and Water quality)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 28 March 2017 that EPD received a noise complaint lodged by a resident of Century Link on 27 March 2017. The complaint was about "昨晚 (i.e. 26 March 2017) 大約十時起，屋外間歇有非常響亮聲音，經觀察應該是從港珠澳大橋近人工島的工程發出，噪音一直至深夜。另今早發現住處對出海面受到一大遍污染（見相片）。以上都應該是大橋工程所造成的污染"i.e. "At around ten o'clock last night (i.e. 26 March 2017), there was intermittent very loud voice outside. According to observation, the noise should be from the Hong Kong-Zhuhai-Macao Bridge project near the artificial island, the noise lasted until late at night. In this morning, there was a plume of pollution found on the sea (see photo). These should be caused by the bridge project.".	Nil	Based on the information provided by the Contractor and our investigation, it was concluded that the Contractor had complied with the conditions laid down in CNPs No. GW-RS-1135-16 and GW-RS0016-17 and that no non-compliance on water quality was found. It is considered that the complaint is unlikely related to Contract No. HY/2011/03. In this case, no follow up action is required. However, the Contractor has been reminded to comply with the conditions stipulated in the Construction Noise Permit for construction works undertaken during restricted hours and has been recommended to implement the following measures to minimize the potential noise impact during restricted hours: - minimize the number of machinery and plant used during restricted hours as far as practicable; - regularly review the working duration for restricted hours works; and - switch off all unnecessary machinery and plant during restricted hours. The Contractor was also reminded to schedule, according to the predicted tides of the Hong Kong Observatory, their working vessels to travel to and from work site at high tide in order to reduce the sediment plume at shallow water areas.	Closed	-
COM-2017-113	20-Apr-17	Nil	ENPO (EPD referred the email from Complainant to ENPO)	Environmental (Water quality)	It was noted from ENPO's email to the Environmental Team, Supervising Officer's Representative and Contractor on 20 April 2017 that EPD received a complaint on 19 April 2017 lodged by a green group. The complaint was about "本會XXX投訴港珠澳大橋承辦商於２０１５年設置隔泥網的方向不當，產生污染。而圖片是由路政署提供，是真確圖片。本會期望環保署調查圖片中的情況，並對承辦商作出警告，以及要求承辦商準確放置現時的隔泥網，確保其雙重設計是有效。"	Portion X	Based on the information provided by the Contractor and ET's investigation, It was suspected that the concerned silt plume may be caused by sea current. There was no evidence that the concerned silt plume was caused by any activities arising from the Contract. The Contractor was reminded once again to implement the mitigation measure as specified in the Implementation Schedule of Environmental Mitigation Measures. The Contractor is also recommended to fully and properly maintain the silt curtain throughout the works in accordance with the requirements in the Updated EM&A Manual through undertaking monthly measurement on the overlapping and separation openings for vessels access for prompt rectification.	Closed	-
COM-2016-095(3)	27-May-17	Nil	SOR (HyD referred the email from Complainant to SOR)	Environmental (Noise)	It was noted from SOR's email to the Environmental Team and Contractor on 26 May 2017 that HyD received a complaint on 12 May 2017 lodged by a member of public. The complaint was about "We'd like to follow up on this case. Pls help take pictures & point out to us where your noise barriers are located. If those seen in the attached pics are so-called noise barriers, then we believe the contractor needs a lot of improvement in helping to reduce this noise pollution".	Near Dragonair / CNAC (Group) Building (HKIA)	Upon the receipt of the complaint in May 2017, the Contractor had been instructed to immediately install additional noise barriers at the appropriate location and cover the breaker tip with acoustic materials as noise mitigation measure against the noise emission associated with the aforesaid construction activities. Moreover, the noise barriers have been located as close as possible to the noise source (rock breaking work). Also, gaps and openings at joints in the barrier material have been minimized. The rock breaking work was completed on 31 May 2017 and the rock breaking machine had been demobilized off site. According to information from Contractor, removal C&D materials will be carried out at the site near CAD and CNAC buildings in the future. As such, noise nuisance generated from a site will be minimized. Notwithstanding that, the Contractor has been reminded to implement noise mitigation measures on the site to minimize any potential nuisance to the public. Based on our investigation result, it is considered that the complaint is likely related to Contract No. HY/2011/03. The Contractor has implemented the following measures to minimize the potential noise impact: - Additional noise barriers have been erected in the active working area to further mitigate the associated noise emissions as far as practicable; - Cover the breaker tip with acoustic material. - Noise barriers have been located as close as possible to the noise source. Also, gaps and openings at joints in the barriers material have been minimized. - Speed up of construction works in order to shorten the duration noise impact/nuisance to the surrounding. - Minimize the quantities of noisy plant as far as practicable. - Regular review of working duration and switch off all unnecessary machinery and plant.	Closed	-

HyD Contract No.HY/2011/03
Hong Kong - Zhuhai - Macao Bridge Hong Kong Link Road
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Complaint Register

Complaint No.	Received Date	Received Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
COM-2016-095(4)	15-Aug-17	Nil	HyD	Environmental (Noise)	HyD received a complaint concerning the rock breaking works near CNAC Buildings, as described below: "I am writing to let you know re-captioned works interrupted seriously our staff daily office works. Understand the rock encountered was much stronger than the original expected, the rock breaking works near CNAC Tower has been never ending. Recently a bulldozer is working nearby and no noise barriers/sound proofs were set up. Please take corrective action asap. Kindly advise us when this bulldozing work is scheduled to complete."	Near Dragonair / CNAC (Group) Building (HKIA)	The major rock breaking works near CNAC Tower were substantially completed on 31 May 2017. However, survey record revealed that minor rock breaking/trimming work was required at the formation level for the construction of box culvert no. PR14. Hence, the Contractor used a hydraulic breaker for minor rock breaking/trimming work in the afternoon on 15 August 2017. According to the photos provided by the complainant, movable noise barriers were not located near the noise source (rock breaking/trimming work). As such, noise generated by rock breaking/ trimming work was not efficiently screened by the noise barriers. According to the Contractor's records and the photos provided by the complainant, no bulldozer was used at PR14 on 15 August 2017. In addition, no bulldozing work is scheduled at PR14 in near future. ET conducted an investigation on 16 August 2017. The minor rock breaking/ rock trimming work was completed. Only one excavator was operating for forming the haul road at the concerned location. No significant noisy activity was observed during the investigation on 16 August 2017. Also, bulldozer was not observed on the site. Based on our investigation result, it was likely that concerned noise emission was due to the minor rock breaking/ trimming works by the hydraulic breaker. It is considered that the complaint is likely related to Contract No. HY/2011/03. According to Contractor's information, no substantial rock breaking works will be conducted at near CNAC Tower. Only minor rock breaking/ trimming work may be occasionally conducted at the concerned work area. The Contractor has been recommended to implement the following measures to minimize the potential noise impact when minor rock breaking/ trimming work to be conducted: - Schedule noisy work (i.e. rock breaking) during non-office hours as far as practicable subject to actual site progress; - Cover the breaker tip with acoustic material; - Locate noise barriers as close as possible to the noise source. Also, gaps and openings at joints in the barriers material should be minimized; - Regular review of working duration and switch off all unnecessary machinery and plant; - Speed up of construction works in order to shorten the duration noise impact/nuisance to the surrounding; and - Minimize the quantities of noisy plant as far as practicable.	Closed	-
COM-2017-122	03-Oct-17	Nil	1823 Integrated Call Centre received a complaint lodged by a member of the public on 30 September 2017. SOR referred the complaint details from 1823 - HyD to ET on 3 Oct 2017	Environmental (Other: Cleanliness problem at Tung Fai Road)	1823 Integrated Call Centre received a complaint lodged by a member of the public regarding cleanliness problem at Tung Fai Road, as described below: “投訴大嶼山赤鱲角東輝路11號港龍大廈對出，巴士站附近，是港珠澳大橋地盤其中一個出入口，經常有大量重型工程車輛進出地盤。每逢有巴士或重型車輛經過時，路面沙塵揚起引起"沙塵暴"，等候巴士的乘客便遭殃。以前有灑水車噴水減低沙塵，現在灑水車都沒有出現。 要求部門改善沙塵問題。 ”	S16	During the ET's inspection on 3 October 2017, it was observed that the Contractor did provide wheel washing facility with high pressure jets at the site access S16 at Tung Fai Road to wash and clean all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. It was also observed that the Contractor did provide water bowser to thoroughly clean Tung Fai Road. No mud was observed at the section of Tung Fai Road leading to the site access S16 of Contract No. HY/2011/03. Another inspection was conducted on 12 October 2017, the section of the road between the wheel washing facility and the site access S16 was hard paved and no mud/silt was observed at the concerned road section and the site access S16. Although Contract No. HY/2011/03 is the only construction site connecting to the Tung Fai Road and the mentioned bus stop, wheel washing facility with high pressure jets is provided at the site access S16 to wash and clean all vehicles before allowing them to leave the construction site. No mud or debris would be brought to the public area. Therefore, there is no direct evidence showing that the complaint is related to Contract No. HY/2011/03. Nevertheless, in order to enhance dust suppression measures, the Contractor will increase the frequency of road cleaning by water bowser from three times per day to four times per day, subject to regular review with relevant stakeholders in the vicinity.	Closed	-
COM-2017-129	08-Jan-18	Nil	ENPO's email to the Supervising Officer's Representative and Contractor on 8 January 2018 that HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017	Environmental (Other: Cleanliness problem at East Coast Road)	HyD received a complaint lodged by a member of the public regarding cleanliness problem at East Coast Road on 29 December 2017. The complaint details are described below: “投訴人投訴於大嶼山東岸路，因港珠澳大橋工程的沙塵問題，部門安排了有關洗街車及吸塵車處理有關沙塵問題，但有關車輛就上述問題的處理成效未如理想。投訴人表示洗街車在清洗有關路面時，只是向路面灑水，令原本的沙塵變成泥漿，但卻沒有清理有關泥漿，道路問題根本沒有根治。另外，有關吸塵車的隔濾亦未如理想，吸塵車吸了地上的沙塵後所噴出來的氣體佈滿沙塵，以致有關沙塵除了未被吸走外，更導致道路沙塵滾滾。要求部門監察有關承辦商，煩請部門跟進及回覆 。"	East Coast Road	Complaint investigation was being undertaken during the reporting period.	Complaint investigation was being undertaken during the reporting period.	-

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

Complaint Register

Complaint No.	Received Date	Received Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
COM-2018-132	13, 14 February 2018	Nil	HyD (SOR referred the email from HyD to Contractor and ET) and EPD (ENPO referred the email from EPD to SOR, SOR sent the email to Contractor and ET)	Dust, Water Quality, Construction Waste, Noise and vibration	The complaint was received from the SOR's email on 13 February 2018 with the following details: *"We have witnessed increased construction activities causing concerns such as nuisance, air and water pollution, construction waste landfill which may cause health and safety to the surroundings.* *Nuisance – construction noise and vibration* *Air and Water Pollution – poor dust control causing air pollution* *Construction Waste Landfill Hill – increased height, size and degree of the slope of the construction waste landfill* *Moreover, we are particularly concerned with the stability of the construction waste landfill hill, and has grown taller and larger in size with steep slopes which may cause potential danger and hazardous to the surrounding area.* *It is appreciated that if you can investigate on the issue, and rectify the situation to a safe and healthy condition. Please confirm when and how the rectification will be completed."* Another complaint to EPD was received from the SOR's email on 14 February 2018. The complaint was the same as the abovementioned with two figures showing the location of Dragonair & CNAC (Group) Building and Cathay Dragon House.	Near Dragonair / CNAC (Group) Building (HKIA)	Complaint investigation was being undertaken during the reporting period.	Complaint investigation was being undertaken during the reporting period.	-

Remark:
1. Based on updated information received in this reporting month, the environmental complaint no. COM-2017-102 mentioned in Monthly EM&A Report for September 2017 should be COM-2017-122.

APPENDIX O

Mudflat Monitoring Results

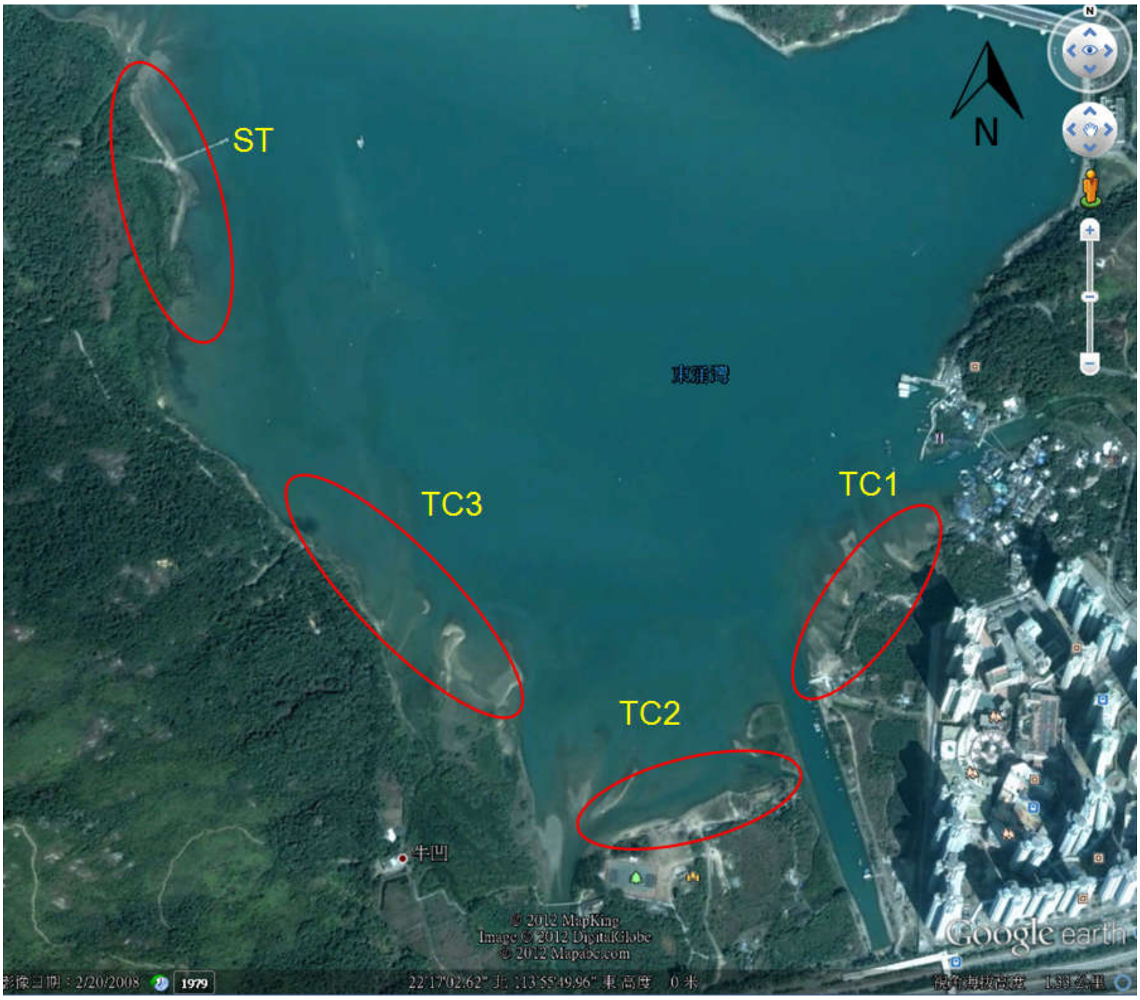


Figure 2.1. *Locations of sampling zones. The study site was divided into three sampling zones (TC1, TC2, TC3) in Tung Chung Bay and one zone in San Tau (ST) (map generated from Google Map).*

TC1

TC2

TC3

ST

Figure 2.2. *Photographic record of the environment in every sampling zone.*

TC1

broken bike and plastic waste

trash gill net

TC3

boat wreckage

ST

trash gill net and hand trolley

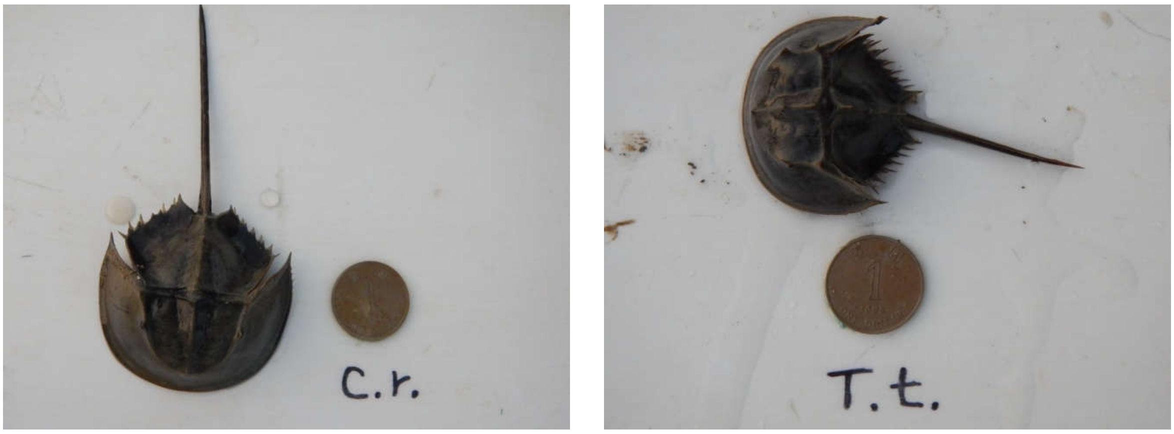
a tangled horseshoe crab on a trash net

(record in Jun. 2017)

Figure 2.3. *Examples of photographic record of the big trashes found on the mudflat.*

TC3

Carcinoscorpius rotundicauda *Tachypleus tridentatus*



ST

Carcinoscorpius rotundicauda *Tachypleus tridentatus*

Figure 3.1. *Examples of photographic records of horseshoe crab (Dec. 2017)*

Table 3.1. *Summary of horseshoe crab survey in every sampling zone*

	TC1	**TC2**	**TC3**	**ST**
Search duration (hr)	2	2	3	3
Carcinoscorpius rotundicauda				
no. of individuals	0	0	1	5
mean prosomal width (mm)	\	\	60.40	44.24
max. prosomal width (mm)	\	\	60.40	79.79
min. prosomal width (mm)	\	\	60.40	27.64
Search record (ind. hr^{-1} $person^{-1}$)	0.0	0.0	0.2	0.8
Tachypleus tridentatus				
no. of individuals	0	0	2	3
mean prosomal width (mm)	\	\	43.92	58.67
max. prosomal width (mm)	\	\	50.61	73.45
min. prosomal width (mm)	\	\	37.23	37.34
Search record (ind. hr^{-1} $person^{-1}$)	0.0	0.0	0.3	0.5

Mar. 2015 - ST

Jun. 2017 – TC2

Female **Male**

Figure 3.2. *Photographic records of mating pair of Carcinoscorpius rotundicauda*

Jun. 2017 - TC3

Dec. 2017 - TC3

Figure 3.2 (Cont'd). *Photographic records of mating pair of Carcinoscorpius rotundicauda*

Jun. 2017

Sep. 2017 **Dec. 2017**

Figure 3.3. *Photographic records of large individuals (>100 mm) of Carcinoscorpius rotundicauda whose records were excluded from data analysis.*

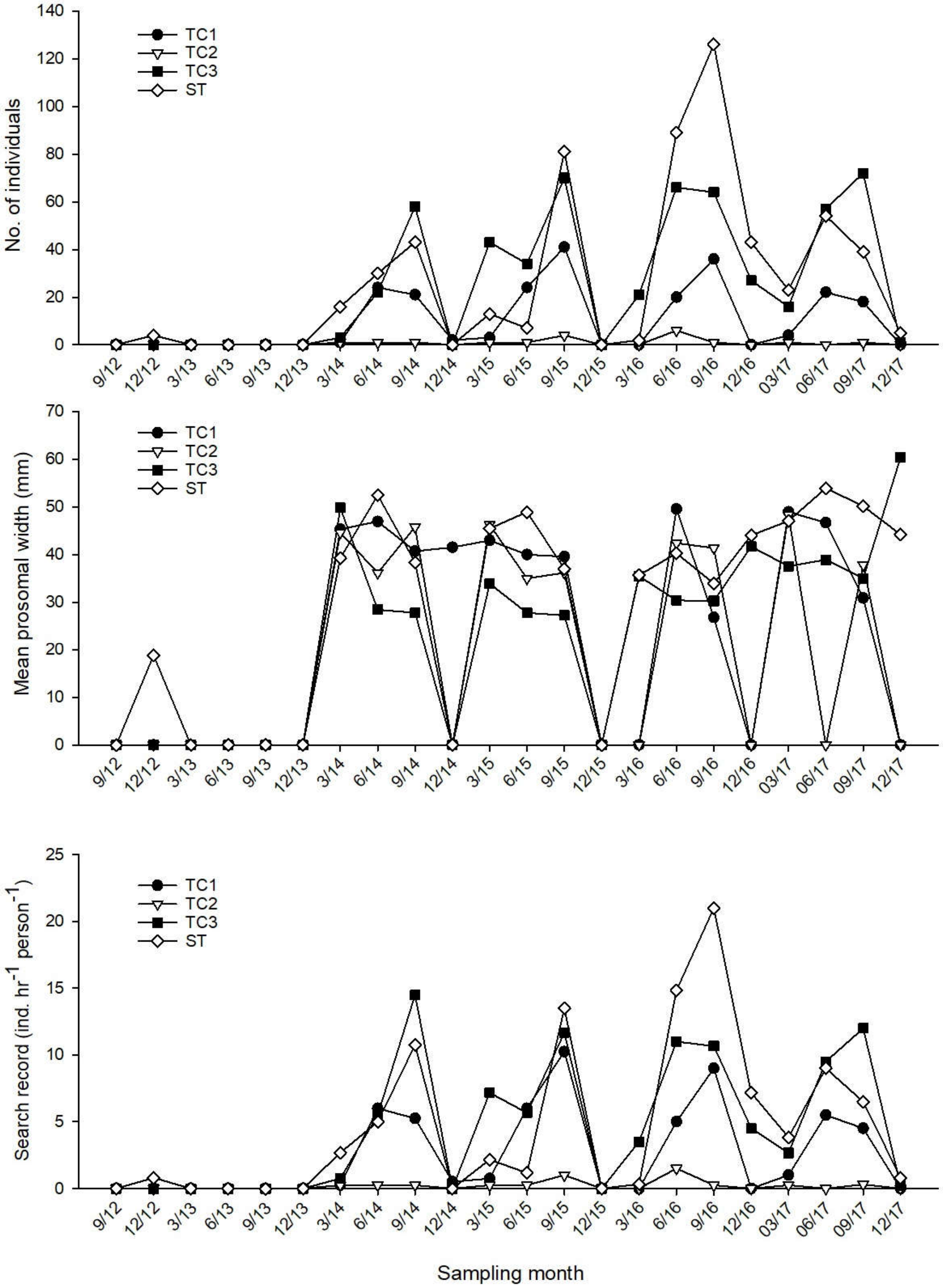


Figure 3.4. *Changes of number of individuals, mean prosomal width and search record of horseshoe crab Carcinoscorpius rotundicauda in every sampling zone along the sampling months*

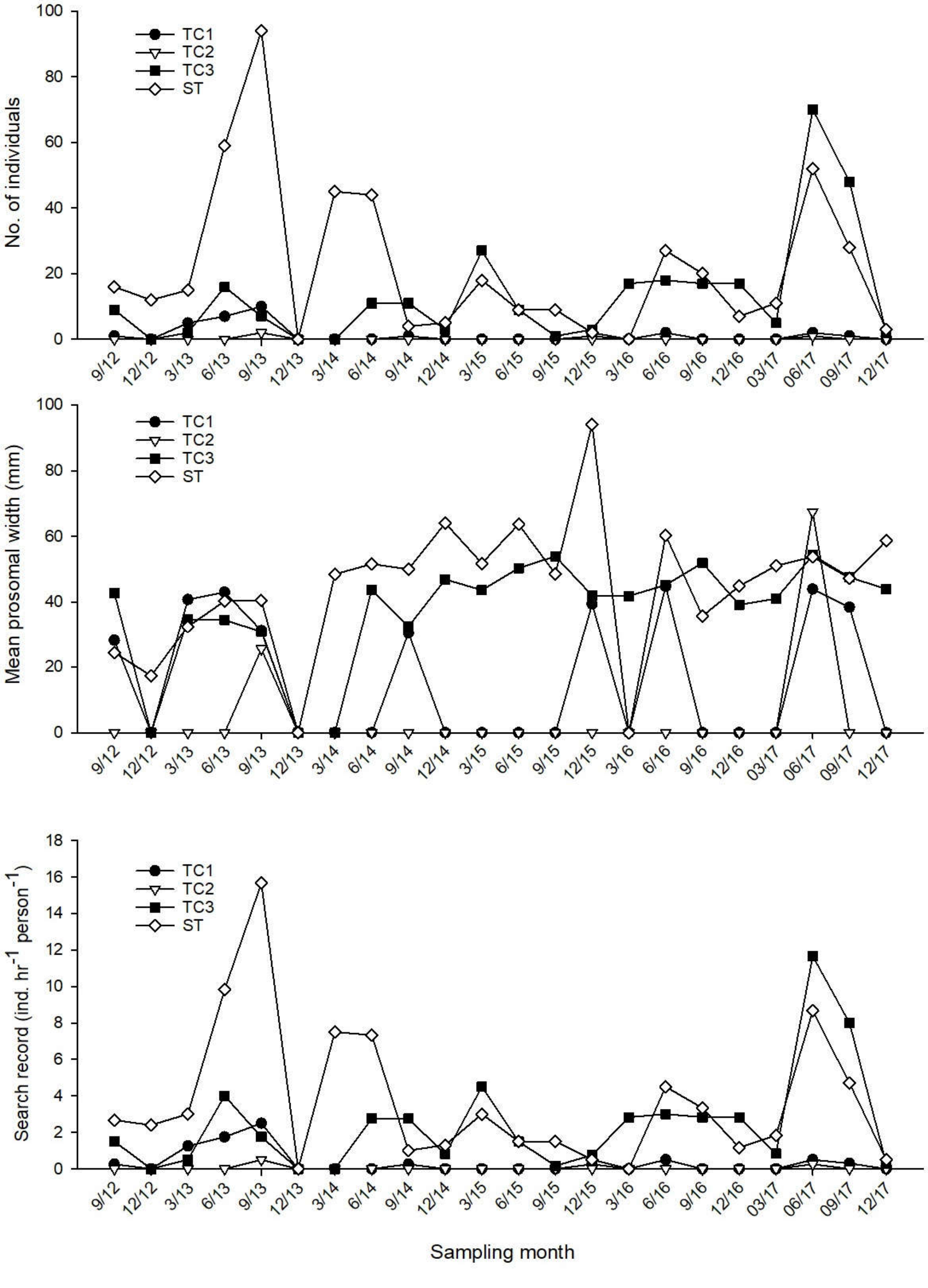
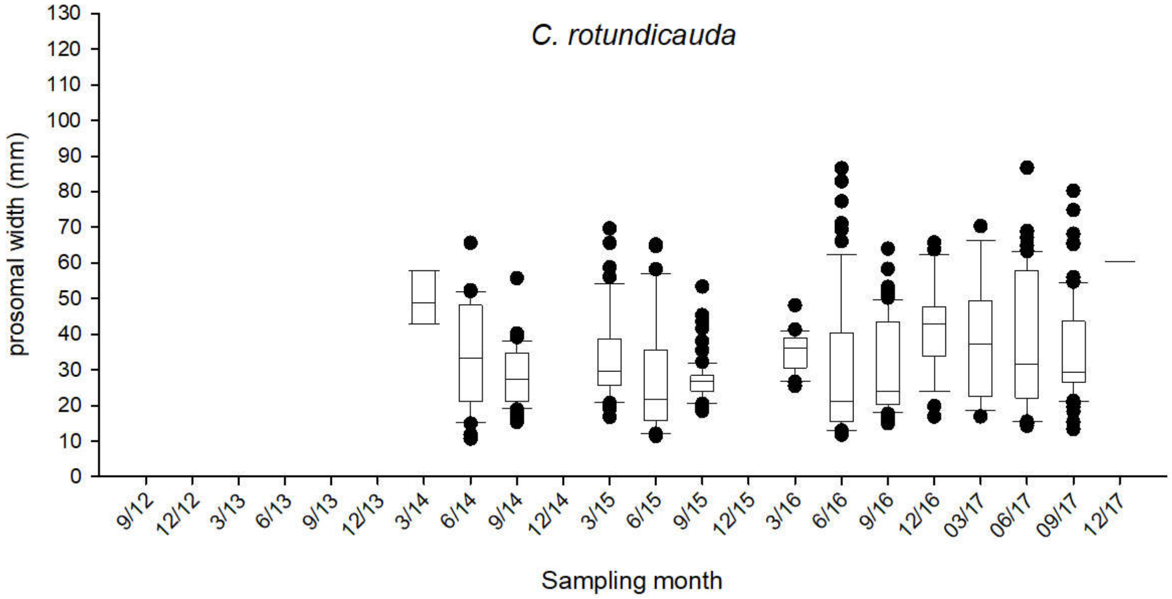


Figure 3.5. *Changes of number of individuals, mean prosomal width and search record of horseshoe crab Tachypleus tridentatus in every sampling zone along the sampling months*



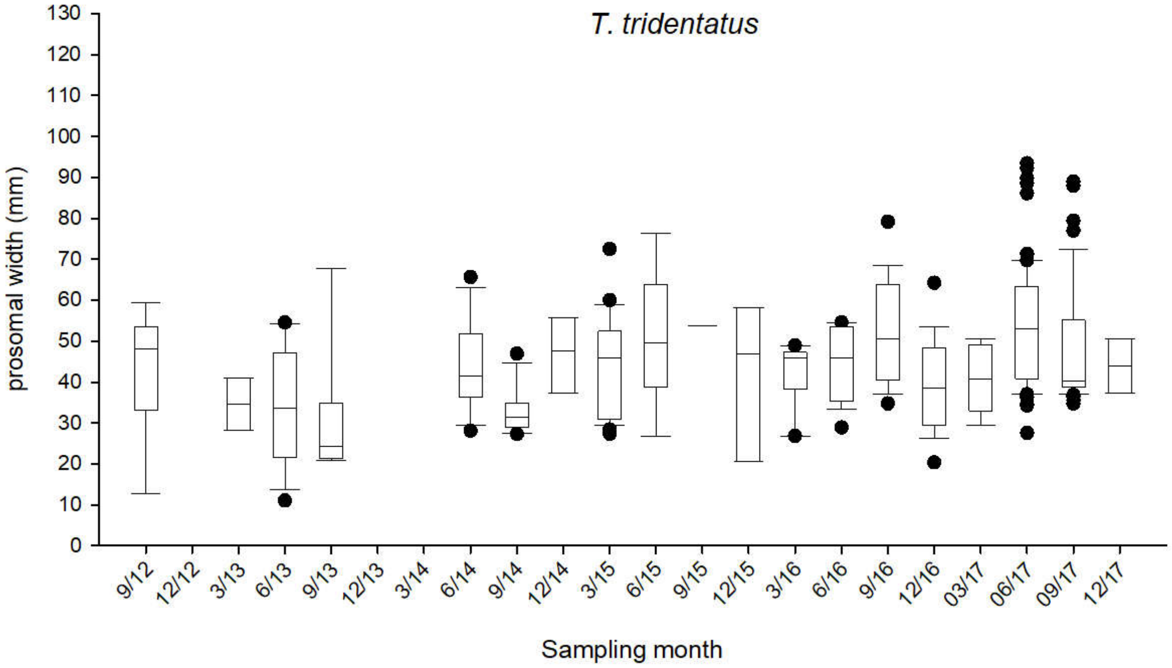


Figure 3.6. *Box plot of prosomal width of horseshoe crab in the sampling zone TC3 along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively)*

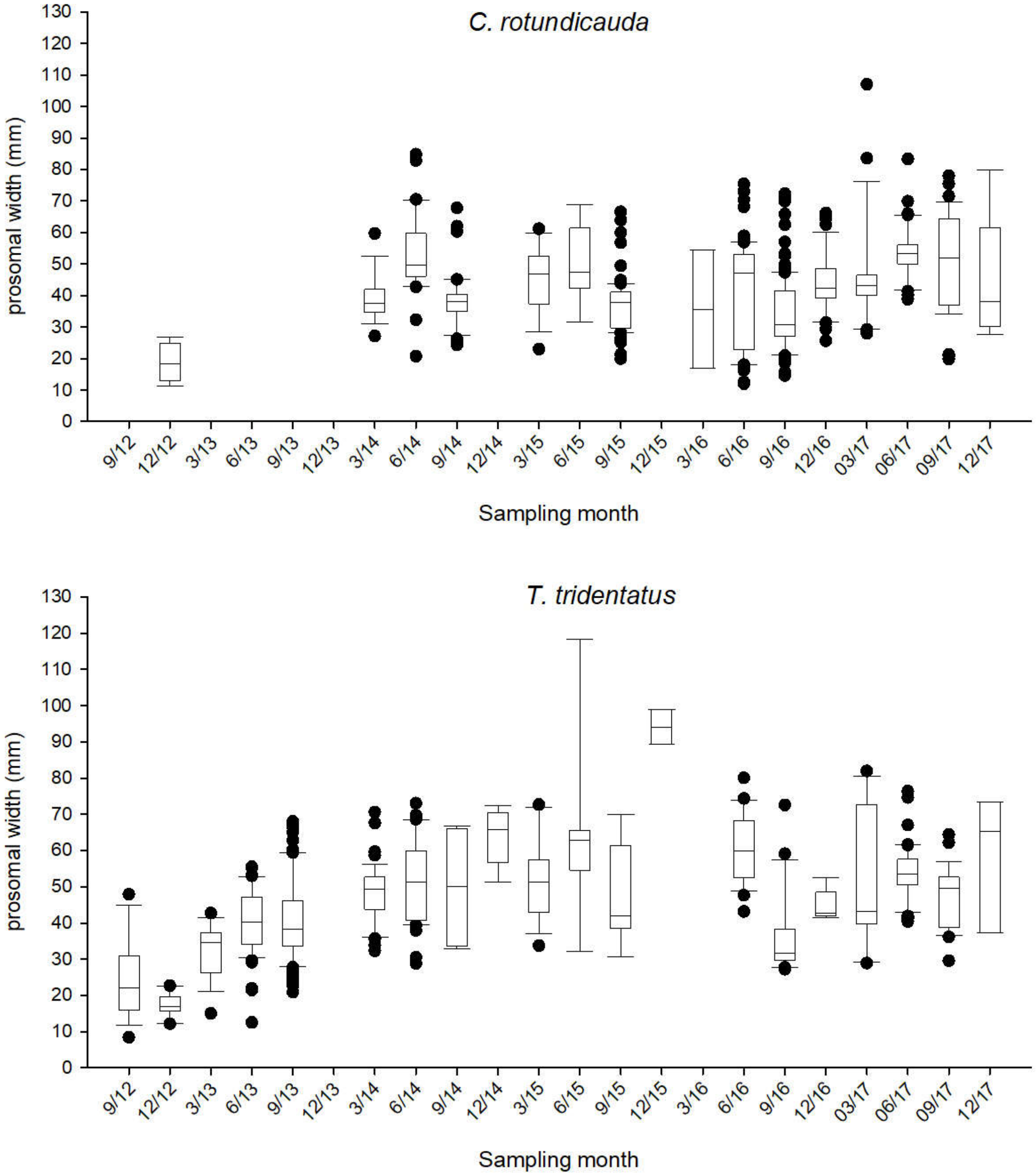


Figure 3.7. *Box plot of prosomal width of horseshoe crab in the sampling zone ST along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively.)*

Re-exposed mudflat area between TC3 and ST where used to be an extensive patch of *Halophila ovalis* (photo taken in Sep. 2017)

Re-exposed mudflat area in ST where used to be co-existing patches of *Halophila ovalis* and *Zostera japonica* (photo taken in Dec. 2017)

Figure 3.8. *Seagrass disappearance in areas between TC3 and ST*

TC3 *Halophila ovalis*

ST *Halophila ovalis*

ST *Zostera japonica*

Figure 3.9. *Examples of photographic records of seagrass beds (record in Jun. 2017)*

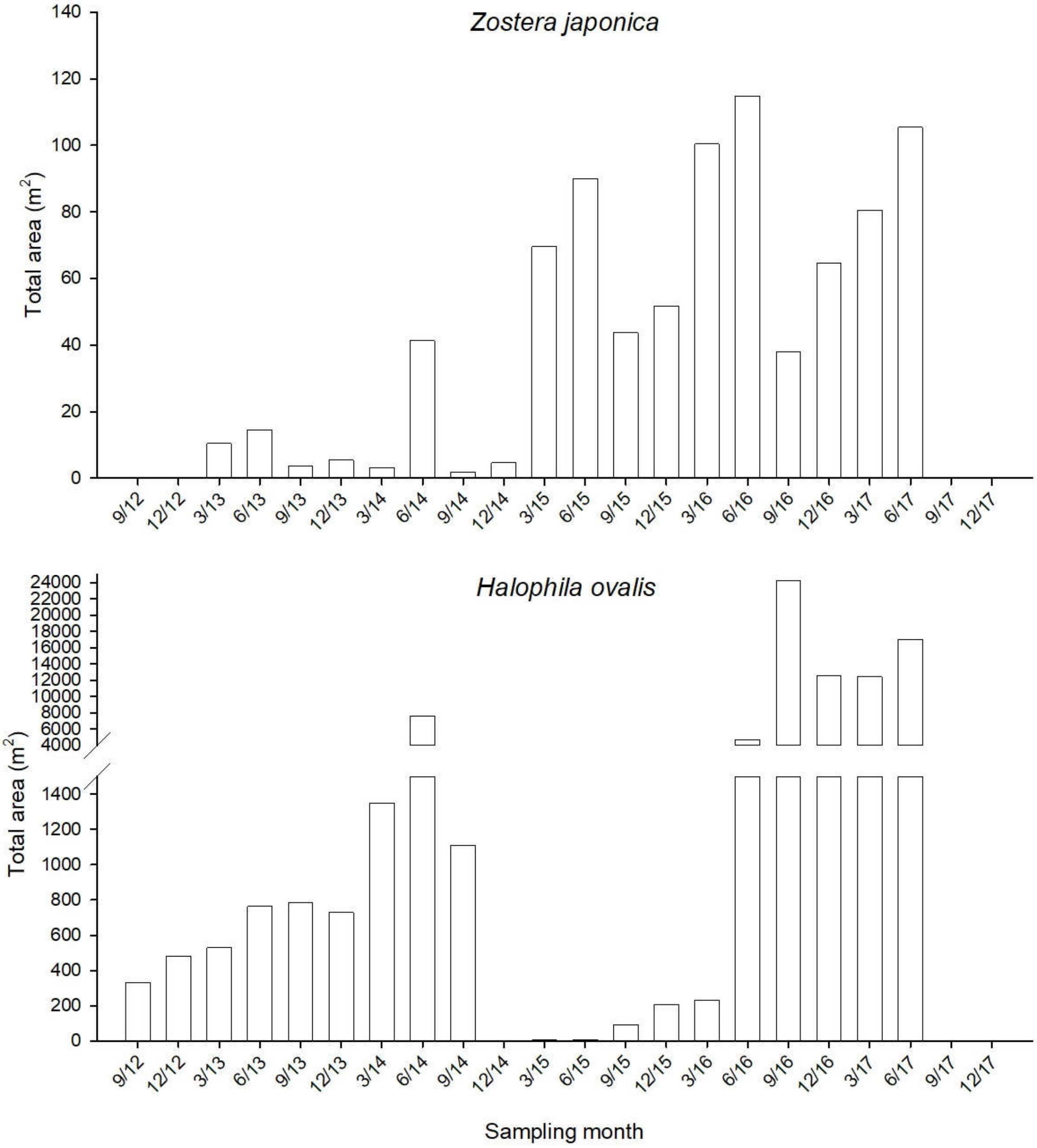


Figure 3.10. *Temporal changes of estimated total area of seagrass beds in ST*

Jun. 2014 **Dec. 2014 (no seagrass)**

Sep. 2015 **Sep. 2016**

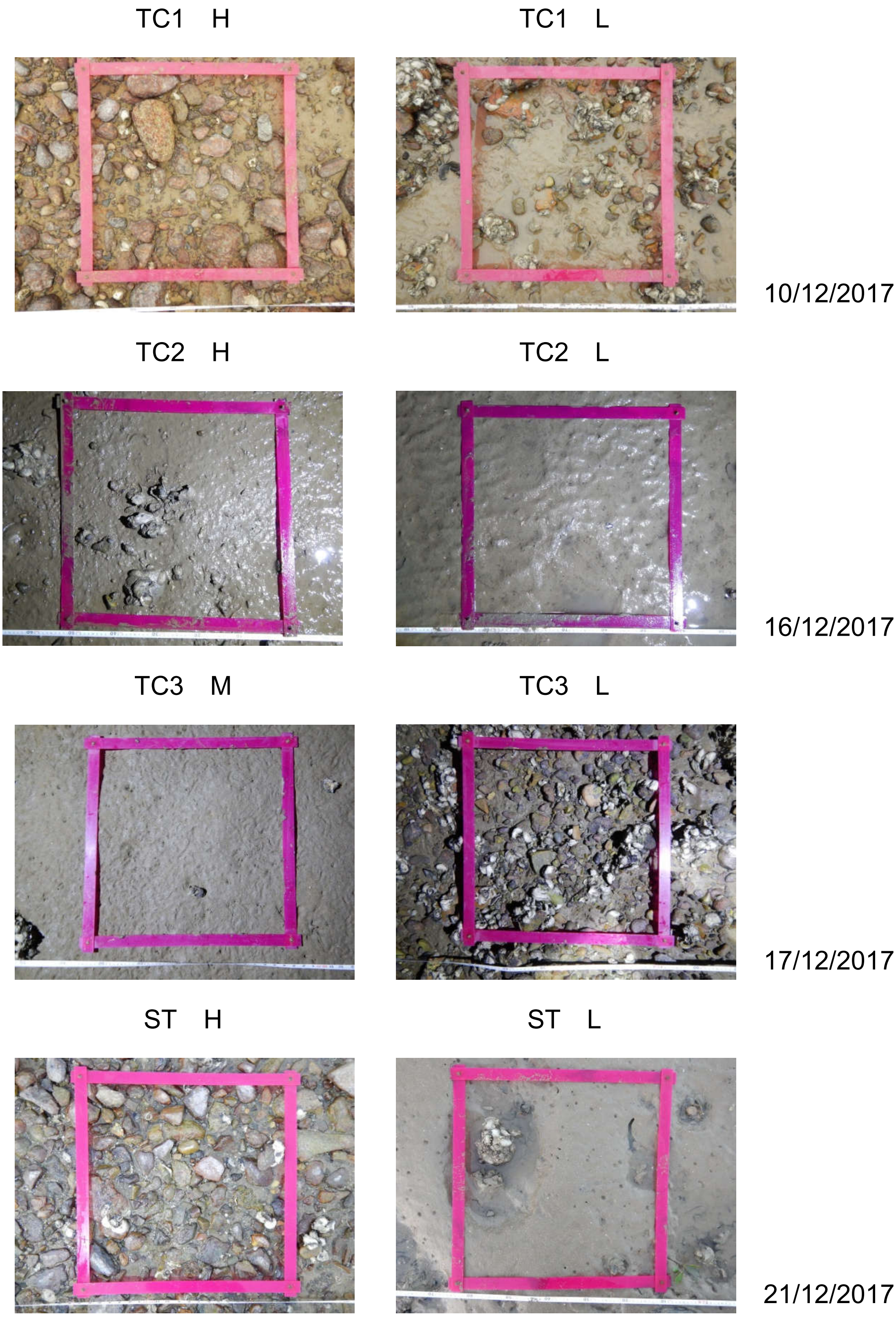
Jun. 2017 **Sep. - Dec. 2017 (no seagrass)**

Figure 3.11. *Comparison of pictures taken in different sampling months shows the disappearance, recolonization of seagrass beds and disappearance again*

Table 3.2. *Relative distribution (%) of types of substratum along the horizontal transect at every tidal level and in every sampling zone.*

		Percentage		
Sampling zone	**Tidal level**	**Gravels and Boulders**	**Sands**	**Soft mud**
TC1	H	50	50	
	M	90	10	
	L	80	20	
TC2	H	20	40	40
	M	20		80
	L		10	90
TC3	H		80	20
	M	20	50	30
	L	90		10
ST	H	90	10	
	M	70	10	20
	L	10	30	60

H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.



TC1 H

TC1 L

10/12/2017

TC2 H

TC2 L

16/12/2017

TC3 M

TC3 L

17/12/2017

ST H

ST L

21/12/2017

Figure 3.12. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

Table 3.3. *Total abundance, density and number of taxon of every phylum*

Phylum	Total Abundance	%	Density (ind. m^{-2})	Number of taxon
Dec. 2017				
Mollusca	9796	97.4	327	37
Arthropoda	182	1.8	6	13
Annelida	45	0.4	2	9
Sipuncula	16	0.2	1	1
Cnidaria	8	0.1	0	1
Nemertea	5	0.0	0	1
Echiura	2	0.0	0	1
Chordata	1	0.0	0	1
Total	10055			

0.0 %: Total abundance of the phylum is less than 0.1% of relative abundance.

0 ind. m^{-2}: Density of the phylum is less than 1 ind. m^{-2}.

Table 3.4. *The number of individuals, relative abundance (percentage) and density of each phylum in every sampling zone*

Phylum	**TC1**	**%**	**Density (ind. m^{-2})**	**TC2**	**%**	**Density (ind. m^{-2})**	**TC3**	**%**	**Density (ind. m^{-2})**	**ST**	**%**	**Density (ind. m^{-2})**
Annelida	9	0.2	1	18	1.5	2	11	0.4	1	7	0.5	1
Arthropoda	46	1.0	6	87	7.2	12	37	1.4	5	12	0.8	2
Chordata	1	0.0	0									
Cnidaria				2	0.2	0				6	0.4	1
Echiura	2	0.0	0									
Mollusca	4704	98.7	627	1103	91.1	147	2581	97.8	344	1408	98.1	188
Nemertea	1	0.0	0	1	0.1	0	2	0.1	0	1	0.1	0
Sipuncula	5	0.1	1				9	0.3	1	2	0.1	0
Sub-total	4768			1211			2640			1436		

0.0 %: Total abundance of the phylum is less than 0.1% of relative abundance of the sampling zone.

0 ind. m^{-2}: Density of the phylum is less than 1 ind. m^{-2} of the sampling zone.

Table 3.5. *The abundant species (relative abundance >10%) in every sampling zone*

Sampling zone TC1	**Group**	**Species**	**Mean density (ind. m^{-2})**	**Relative abundance (%)**	**Cumulative relative abundance (%)**
High	G	*Batillaria multiformis*	816	84	84
Mid	G	*Batillaria multiformis*	295	55	55
	G	*Monodonta labio*	89	17	72
	Bi	*Saccostrea cucullata*	66	12	84
Low	Bi	*Saccostrea cucullata*	135	34	34
	G	*Monodonta labio*	96	24	58

Bi = Bivalve, G = Gastropod

Table 3.5 (Cont'd). *The abundant species (relative abundance >10%) in every sampling zone*

Sampling zone TC2	Group	Species	Mean density (ind. m^{-2})	Relative abundance (%)	Cumulative relative abundance (%)
High	Bi	*Saccostrea cucullata*	88	36	36
	G	*Cerithidea djadjariensis*	47	19	55
	G	*Batillaria zonalis*	39	16	71
	G	*Batillaria multiformis*	24	10	81
Mid	G	*Batillaria zonalis*	59	37	37
	Bi	*Saccostrea cucullata*	41	25	62
Low	G	*Batillaria zonalis*	22	28	28
	Ba	*Balanus amphitrite*	21	27	54
	Bi	*Saccostrea cucullata*	18	23	78

Ba = Barnacle, Bi = Bivalve, G = Gastropod

Table 3.5 (Cont'd). *The abundant species (relative abundance >10%) in every sampling zone*

Sampling zone TC3	Group	Species	Mean density (ind. m^{-2})	Relative abundance (%)	Cumulative relative abundance (%)
High	G	*Cerithidea djadjariensis*	112	40	40
	G	*Batillaria multiformis*	106	38	79
	G	*Cerithidea cingulata*	39	14	93
Mid	G	*Batillaria multiformis*	98	42	42
	G	*Cerithidea djadjariensis*	47	20	63
	G	*Batillaria zonalis*	28	12	75
Low	Bi	*Saccostrea cucullata*	240	44	44
	G	*Monodonta labio*	171	31	75

Bi = Bivalve, G = Gastropod

Table 3.5 (Cont'd). *The abundant species (relative abundance >10%) in every sampling zone*

Sampling zone ST	Group	Species	Mean density (ind. m^{-2})	Relative abundance (%)	Cumulative relative abundance (%)
High	G	*Monodonta labio*	74	31	31
	Bi	*Saccostrea cucullata*	52	22	53
	G	*Lunella coronata*	35	15	68
	G	*Batillaria multiformis*	32	14	82
Mid	Bi	*Saccostrea cucullata*	90	36	36
	G	*Lunella coronata*	66	27	63
	G	*Monodonta labio*	41	17	80
Low	Bi	*Saccostrea cucullata*	46	51	51
	G	*Batillaria zonalis*	9	10	61

Bi = Bivalve, G = Gastropod

Table 3.6. *Mean values of species number, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) at every tidal level and in every sampling zone*

Sampling zone	Tidal level	Mean species number (spp. 0.25 m^{-2})	Mean species number across tidal levels	Mean density (ind. m^{-2})	Mean density across tidal levels	Mean *H'*	Mean *H'* across tidal levels	Mean *J*	Mean *J* across tidal levels
TC1	H	7		971		0.6		0.3	
	M	10	10	536	636	1.4	1.3	0.6	0.6
	L	12		401		1.8		0.7	
TC2	H	8		244		1.5		0.7	
	M	7	6	162	161	1.2	1.2	0.7	0.7
	L	3		78		0.8		0.8	
TC3	H	5		278		0.9		0.6	
	M	7	8	232	352	1.3	1.2	0.7	0.6
	L	11		546		1.5		0.6	
ST	H	10		236		1.8		0.8	
	M	8	7	248	191	1.3	1.3	0.7	0.8
	L	5		90		0.9		0.7	

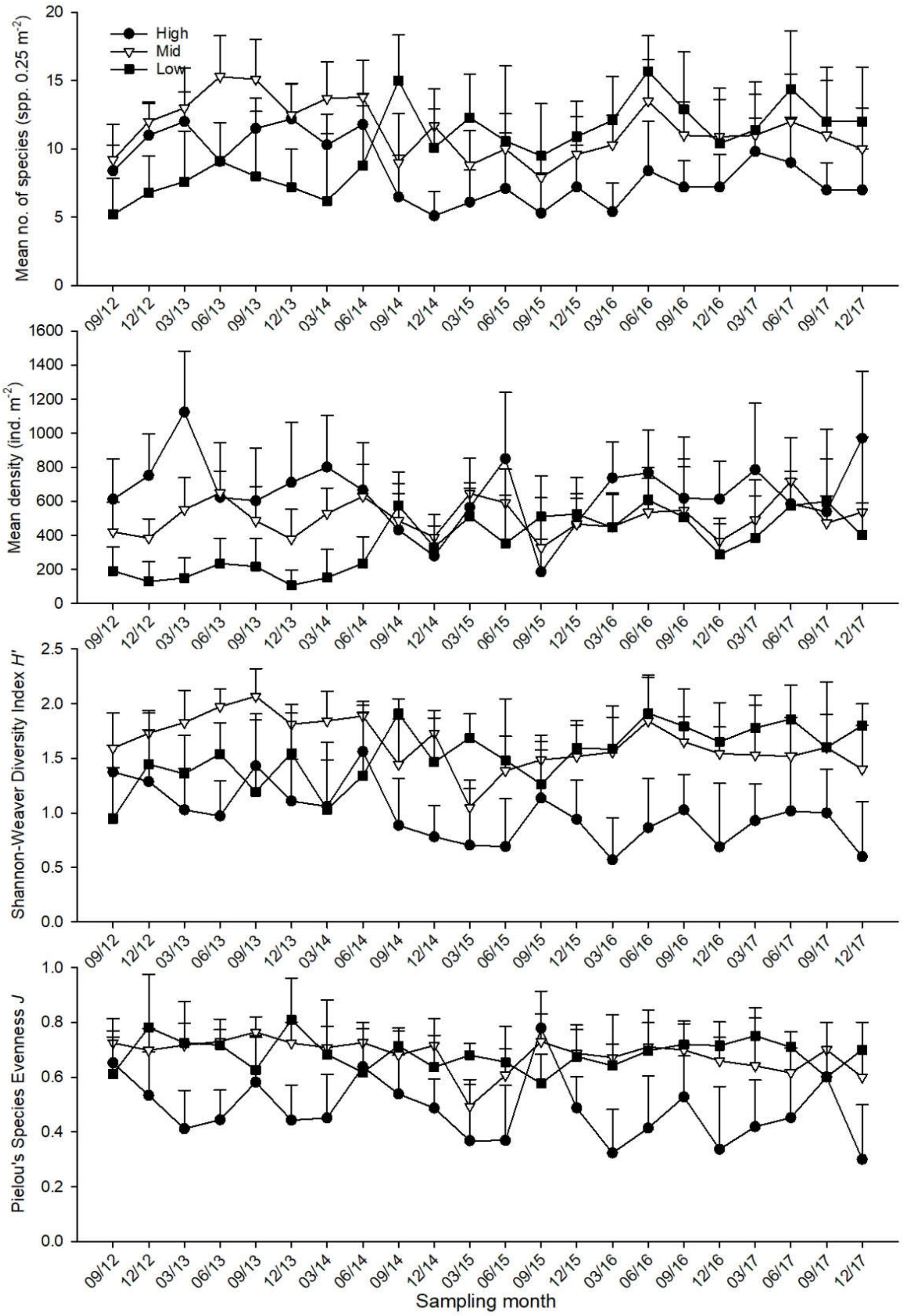


Figure 3.13. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC1*

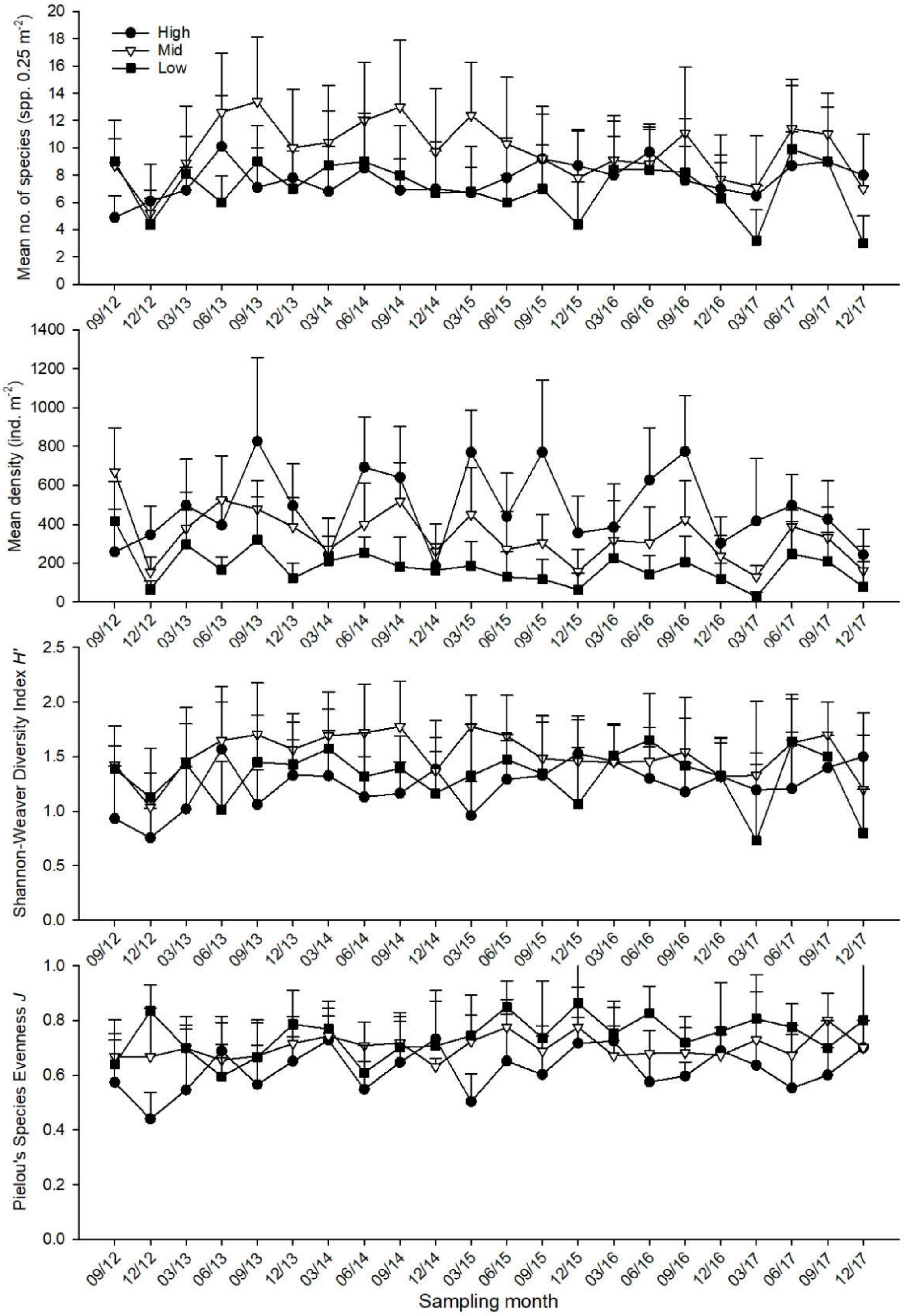


Figure 3.14. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC2*

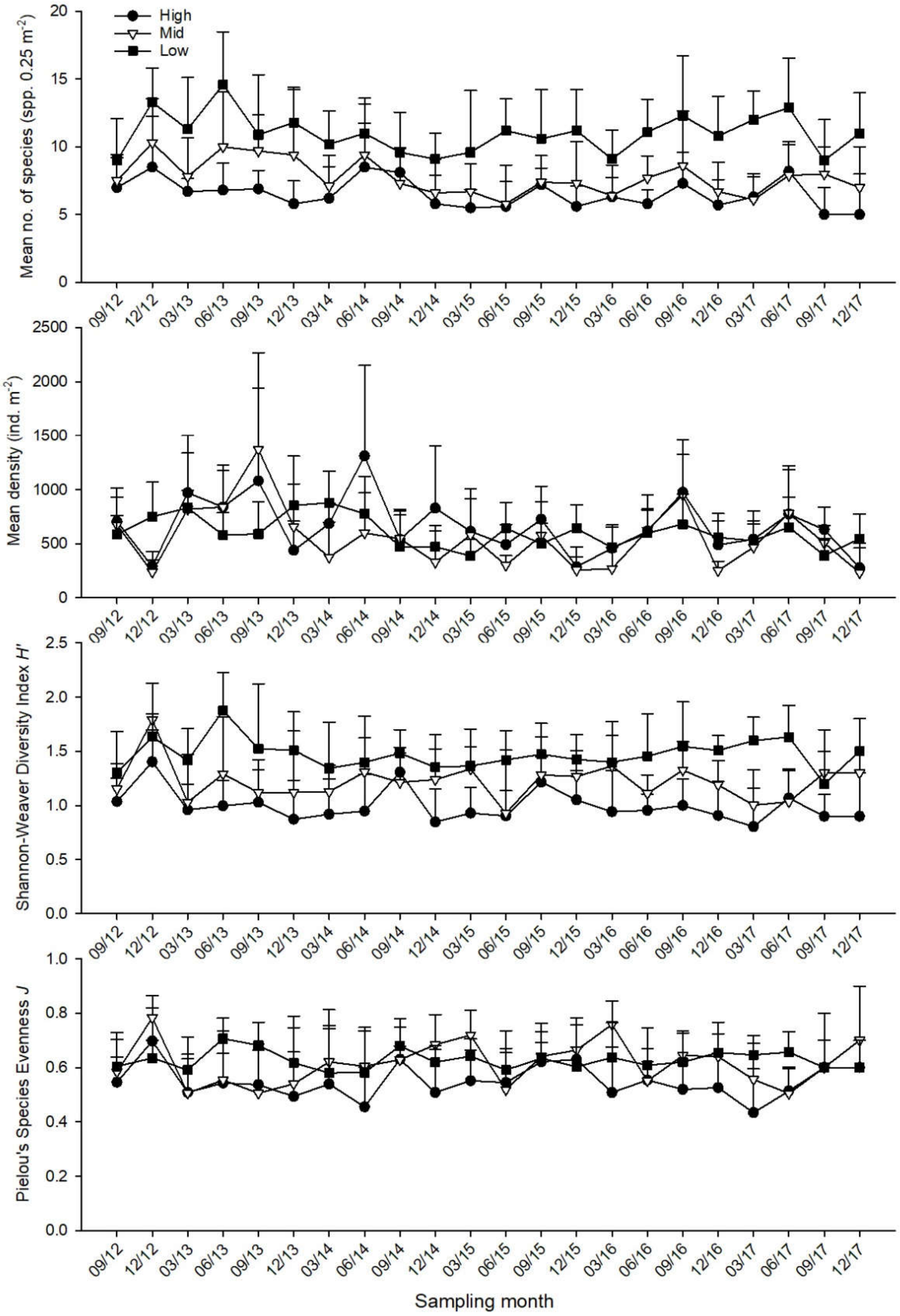


Figure 3.15. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC3*

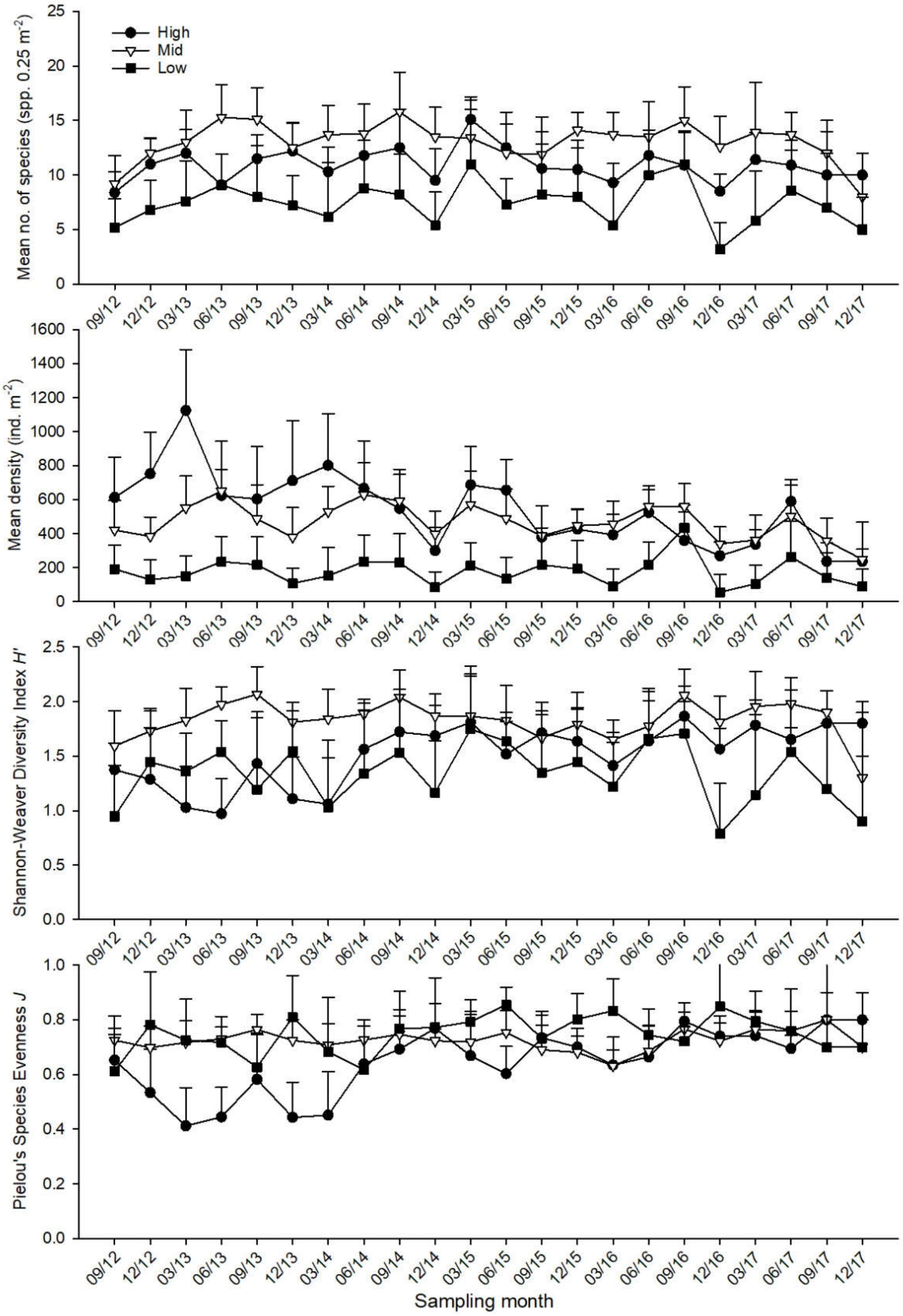


Figure 3.16. *Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone ST*

AnnexI. *Location of sampling zones (map from ATKINS China Ltd.)*

AnnexII. *Record of horseshoe crab survey in every sampling zone.*

No.	Sub.	GPS coordinate	Record of prosomal width (mm)	
Sampling site TC1 (Search hour = 2 hrs)			*Carcinoscorpius rotundicauda*	*Tachypleus tridentatus*
		No record		
		No. of ind.	**0**	**0**
Sampling site TC2 (Search hour = 2 hrs)			*Carcinoscorpius rotundicauda*	*Tachypleus tridentatus*
		No record		
		No. of ind.	**0**	**0**

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Underlined: size of mating pair or large individual (excluded from data analysis)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

AnnexII (Cont'd). *Record of horseshoe crab survey in every sampling zone.*

No.	Sub.	GPS coordinate		Record of prosomal width (mm)	
Sampling site TC3 (Search hour = 3 hrs)				*Carcinoscorpius rotundicauda*	*Tachypleus tridentatus*
1	M	22° 17.026' N	113° 55.661' E	127.8 144.61	
2	S	22° 17.072' N	113° 55.641' E	60.40	
3	M	22° 17.044' N	113° 55.632' E		50.61
4	M	22° 17.069' N	113° 55.597' E		37.23
			No. of ind.	**3**	**2**

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Underlined: size of mating pair or large individual (excluded from data analysis)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

AnnexII (Cont'd). *Record of horseshoe crab survey in every sampling zone.*

No.	Sub.	GPS coordinate		Record of prosomal width (mm)	
Sampling site ST		(Search hour = 3 hrs)		*Carcinoscorpius rotundicauda*	*Tachypleus tridentatus*
1	M	22° 17.129' N	113° 55.521' E	27.64	
2	M	22° 17.152' N	113° 55.518' E		65.22
3	S	22° 17.157' N	113° 55.506' E	114.45	
4	M	22° 17.162' N	113° 55.508' E	176.06	
5	M	22° 17.165' N	113° 55.496' E	120.56	
6	S	22° 17.171' N	113° 55.479' E	79.79	
7	S	22° 17.200' N	113° 55.481' E	38.04	
8	S	22° 17.217' N	113° 55.476' E	32.47	
9	S	22° 17.206' N	113° 55.494' E		73.45
10	S	22° 17.062' N	113° 55.616' E	43.28	37.34
			No. of ind.	**8**	**3**

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Underlined: size of mating pair or large individual (excluded from data analysis)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

AnnexIII. *Record of seagrass beds survey in every sampling zone*

Estimated area (m^2)	Estimated coverage (%)	GPS coordinate	Remark
TC1 (search hour = 2 hrs)			
No record			
TC2 (search hour = 2 hrs)			
No record			
TC3 (search hour = 3 hrs)			
No record			
ST (search hour = 3 hrs)			
No record			

AnnexIV. *Taxonomic resolution of every recorded species of intertidal soft shore community survey*

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Annelida	Clitellata			Marine oligochaete spp.
Animalia	Annelida	Polychaeta	Eunicida	Onuphidae	Onuphidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoidae spp.
Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Oweniidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	*Alpheus distinguendus*
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	*Clibanarius* sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Grapsidae	*Metopograpsus latifrons*
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Macrophthalmus* sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Uca* sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Uca vocans*
Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	*Pagurus dubius*
Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	*Charybdis affinis*
Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	*Thalamita crenata*
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	*Nanosesarma minutum*
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	*Hemigrapsus penicillatus*
Animalia	Arthropoda	Malacostraca	Decapoda	Xanthidae	*Etisus laevimanus*
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	*Balanus amphitrite*
Animalia	Chordata	Actinopterygii	Perciformes	Blenniidae	*Omobranchus fasciolatoceps*
Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	*Diadumene lineata*
Animalia	Echiura				Echiura spp.
Animalia	Mollusca	Bivalvia	Anomalodesmata	Laternulidae	*Laternula anatina*
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	*Barbatia virescens*
Animalia	Mollusca	Bivalvia	Euheterodonta	Hiatellidae	*Hiatella arctica*
Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	*Xenostrobus atratus*
Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	*Saccostrea cucullata*
Animalia	Mollusca	Bivalvia	Veneroida	Corbiculidae	*Geloina erosa*
Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	*Tellina* sp.
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	*Anomalocardia squamosa*

AnnexIV (Cont'd). *Taxonomic resolution of every recorded species of intertidal soft shore community survey*

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	*Circe* sp.
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	*Cyclina sinesis*
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	*Ruditapes philippinarum*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	*Batillaria bornii*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	*Batillaria multiformis*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	*Batillaria zonalis*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea cingulata*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea djadjariensis*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea rhizophorarum*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Terebralia sulcata*
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	*Clithon faba*
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	*Clithon oualaniensis*
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	*Nerita polita*
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	*Littoraria articulata*
Animalia	Mollusca	Gastropoda	Littorinimorpha	Rissoinidae	*Rissoina plicatula*
Animalia	Mollusca	Gastropoda	Neogastropoda	Muricidae	*Thais luteostoma*
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	*Nassarius festivus*
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	*Nassarius hepaticus*
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	*Nassarius* sp.
Animalia	Mollusca	Gastropoda		Lottiidae	*Nipponacmea concinna*
Animalia	Mollusca	Gastropoda		Lottiidae	*Patelloida pygmaea*
Animalia	Mollusca	Gastropoda		Nacellidae	*Cellana grata*
Animalia	Mollusca	Gastropoda		Nacellidae	*Cellana toreuma*
Animalia	Mollusca	Gastropoda		Trochidae	*Euchelus scaber*
Animalia	Mollusca	Gastropoda		Trochidae	*Monodonta labio*
Animalia	Mollusca	Gastropoda		Turbinidae	*Chlorostoma argyrostoma*
Animalia	Mollusca	Gastropoda		Turbinidae	*Lunella coronata*
Animalia	Mollusca	Polyplacophora	Chitonida	Ischnochitonidae	*Lepidozona* sp.
Animalia	Mollusca	Scaphopoda	Dentaliida	Dentaliidae	*Dentalium sinuosum*
Animalia	Nemertea				Nemertea spp.
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	*Sipunculus nudus*

AnnexV. *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*							1														1
Bi	*Geloina erosa*	1																1		1		3
Bi	*Hiatella arctica*							1														1
Bi	*Saccostrea cucullata*			6						10										1		17
Bi	*Xenostrobus atratus*							4														4
G	*Batillaria multiformis*			23		107		226		288		286		394		279		229		209		2041
G	*Batillaria zonalis*	1																				1
G	*Cerithidea cingulata*	70		10		3		1		1										3		88
G	*Cerithidea djadjariensis*	22		45		21		6		8								6		3		111
G	*Cerithidea rhizophorarum*	2		4		4		1		1				1						1		14
G	*Clithon faba*	4								2						4		3		7		20
G	*Clithon oualaniensis*	2														1		2		2		7
G	*Littoraria articulata*							1		1												2
G	*Lunella coronata*	1		1		1				2								1		1		7
G	*Monodonta labio*	6		4		18		10		10		3		3		7		5		4		70
G	*Nipponacmea concinna*			1																		1
G	*Rissoina plicatula*									10				4		8		15		1		38
																					Total	**2427**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*					1																1
Bi	*Barbatia virescens*					1						1										2
Bi	*Hiatella arctica*													1		1						2
Bi	*Saccostrea cucullata*	1		17		61		7		26		7		11		10		14		11		165
Bi	*Xenostrobus atratus*					3						5		2		1						11
C	*Hemigrapsus penicillatus*					1												1		1		3
C	*Nanosesarma minutum*					3								1		5						9
C	*Thalamita crenata*															1						1
Eh	Echiura spp.													1								1
G	*Batillaria multiformis*			35		24		14		83		43		40		26		82		390		737
G	*Cellana grata*			1		3		1		1						3		1				10
G	*Cerithidea cingulata*	17								2						2		2		1		24
G	*Cerithidea djadjariensis*	18		9				4		6						10		9		3		59
G	*Cerithidea rhizophorarum*	2								2						2		2		2		10
G	*Clithon faba*							1						2		4		4		1		12
G	*Littoraria articulata*											4		8				5		3		20
G	*Lunella coronata*			3		4				1		1		6		1		3		2		21
G	*Monodonta labio*			10		34		11		18		29		51		34		29		7		223
G	*Nassarius* sp.	1																				1

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	*Nerita polita*					3																3
G	*Nipponacmea concinna*			3		1				1				1		1		1				8
G	*Rissoina plicatula*											2								7		9
P	Ampharetidae spp.		1					1														2
P	Maldanidae spp.		2																			2
P	Polynoidae spp.		1					1								1						3

Total **1339**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*	2						3														5
Bi	*Barbatia virescens*	3						1						3		1		12		4		24
Bi	*Hiatella arctica*	8						2								1		16		2		29
Bi	*Ruditapes philippinarum*															3						3
Bi	*Saccostrea cucullata*	72		26		11		62		4		51		19		17		46		29		337
Bi	*Xenostrobus atratus*	9						6				1								1		17
C	*Hemigrapsus penicillatus*											3				1						4
C	*Metopograpsus latifrons*											1										1
C	*Nanosesarma minutum*	7		6				2				1				2		1		1		20
Eh	Echiura spp.			1																		1
F	*Omobranchus fasciolatoceps*											1										1
G	*Batillaria bornii*							1								2						3
G	*Batillaria multiformis*	12		8		7		1				5		8		22		12		6		81
G	*Batillaria zonalis*	3		2		26																31
G	*Cellana grata*											2		1		1						4
G	*Cerithidea cingulata*	2		26		2		22		1						2				2		57
G	*Cerithidea djadjariensis*	1		1		7		21		4				3		1		1		1		40
G	*Clithon faba*							1		1		2		2		5		4		3		18
G	*Clithon oualaniensis*													3								3

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	*Euchelus scaber*															1				1		2
G	*Lepidozona* sp.																	1				1
G	*Littoraria articulata*	1																				1
G	*Lunella coronata*	12		7		2		8		1		1		9		5		5		1		51
G	*Monodonta labio*	30		23				21		1		58		17		32		31		28		241
G	*Nassarius festivus*					1												1				2
G	*Nerita polita*											2						1				3
G	*Nipponacmea concinna*	2						2				1				4		2				11
G	*Patelloida pygmaea*													1		1		1				3
Hc	*Pagurus dubius*																	1				1
Ne	Nemertea spp.																			1		1
P	Maldanidae spp.										1											1
Sp	*Sipunculus nudus*	1				2		1								1						5
																					Total	**1002**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*													4						2		6
Bi	*Barbatia virescens*					1																1
Bi	*Geloina erosa*																	1				1
Bi	*Saccostrea cucullata*			9		83		11		16		2		23		17		43		17		221
Bi	*Xenostrobus atratus*													2				6	1			9
C	*Nanosesarma minutum*	1				4												1				6
C	*Uca* sp.														1							1
G	*Batillaria bornii*																			1	1	2
G	*Batillaria multiformis*	16				3		11		3		7		5		5		7		1	1	59
G	*Batillaria zonalis*									1	2	6		20	1	25	1	27		14		97
G	*Cerithidea cingulata*	2		10	1					1	1		1	4		2	1	3	1	4	2	33
G	*Cerithidea djadjariensis*	5		60	3			4		3	4	3		6		7	2	6	5	5	4	117
G	*Cerithidea rhizophorarum*			2																		2
G	*Clithon oualaniensis*																	2				2
G	*Littoraria articulata*	2																				2
G	*Lunella coronata*					3		1				1		2		1		4		1		13
G	*Monodonta labio*	11				9				1				2				2		2		27
G	*Nassarius* sp.																	1				1
G	*Nerita polita*					4		1		2												7

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	*Patelloida pygmaea*																	1				1
G	*Terebralia sulcata*	1																				1
Ne	Nemertea spp.					1																1
P	Maldanidae spp.																				1	1
																					Total	**611**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*					2												3		6		11
Bi	*Anomalocardia squamosa*							2										1				3
Bi	*Barbatia virescens*																1			1		2
Bi	*Saccostrea cucullata*	8				8								10		18		24		34		102
Bi	*Xenostrobus atratus*																	1				1
C	*Hemigrapsus penicillatus*													1								1
C	*Nanosesarma minutum*	1																1		2		4
C	*Uca vocans*												1									1
Cn	*Diadumene lineata*															1		1				2
G	*Batillaria bornii*																	2				2
G	*Batillaria multiformis*			1		4	1		1					2	1	2	1	1	1	2		17
G	*Batillaria zonalis*					1	1	1		9		18	1	11	1	31		28	1	44	1	148
G	*Cerithidea cingulata*					1	3			1		2	4	2	4	3	5		1	1		27
G	*Cerithidea djadjariensis*					4	1				1	2	2	1	4	4	1	3		4		27
G	*Clithon oualaniensis*															1						1
G	*Lunella coronata*											1				3		4		2		10
G	*Monodonta labio*	27		9													1			1		38
Hc	*Pagurus dubius*													1								1
P	Maldanidae spp.						1				1			1					2			5

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
P	Onuphidae spp.										1											1
																					Total	**404**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*									52												52
Bi	*Hiatella arctica*									2												2
Bi	*Saccostrea cucullata*									44				2								46
C	*Macrophthalmus* sp.						1		1													2
C	*Nanosesarma minutum*									2												2
G	*Batillaria bornii*												1									1
G	*Batillaria multiformis*									2												2
G	*Batillaria zonalis*			4		1				1		2		13	1	10	2	15		5		54
G	*Cerithidea cingulata*																	3	3			6
G	*Cerithidea djadjariensis*									1			1					4	4	2	1	13
G	*Dentalium sinuosum*														1							1
G	*Lunella coronata*									3												3
G	*Nassarius hepaticus*															1						1
P	Maldanidae spp.				1		1		2						2							6
P	Onuphidae spp.						2				1				1							4
P	Oweniidae spp.																				1	1
																					Total	**196**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Bi	*Circe* sp.		1										1									2
Bi	*Cyclina sinesis*										1	1		1								3
Bi	*Geloina erosa*													1		2		4				7
Bi	*Laternula anatina*										1											1
Bi	*Saccostrea cucullata*					3																3
G	*Batillaria multiformis*			4	6	36	4	46	5	103	3	7	1	5		28	2	15				265
G	*Batillaria zonalis*	1	1			4		1		1				1		3		4				16
G	*Cerithidea cingulata*	4				3	3		3	32	2	29	4	6	2	3	3	4				98
G	*Cerithidea djadjariensis*	9	4			5	6	5	4	50	4	52	4	31	10	34	3	50	5	4	1	281
G	*Cerithidea rhizophorarum*									1		2		1		5		2				11
G	*Clithon faba*									1												1
G	*Clithon oualaniensis*									1		1										2
G	*Nassarius festivus*														1							1
P	Maldanidae spp.												1		2						1	4
																					Total	**695**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*																	1				1
Bi	*Anomalocardia squamosa*		1																			1
Bi	*Circe* sp.										1											1
Bi	*Saccostrea cucullata*	19		2				1										17				39
Bi	*Tellina* sp.										1											1
Bi	*Xenostrobus atratus*	5																				5
C	*Hemigrapsus penicillatus*																	1				1
G	*Batillaria multiformis*	1		1		1		6		4						1		40		192		246
G	*Batillaria zonalis*	25	3	10	2	9	2	5		6	1	2	1			4						70
G	*Cellana grata*																	1				1
G	*Cerithidea cingulata*	13	4	2	5	4	5	5			4	2		1		1	4	1				51
G	*Cerithidea djadjariensis*	13	11	16	3	9	6	20		4	4	8	3	3	2	7	1	5		3		118
G	*Cerithidea rhizophorarum*	2		2						1					2	1		2				10
G	*Clithon faba*	1																				1
G	*Lunella coronata*	2																3		1		6
G	*Monodonta labio*	2																16		1		19
G	*Nassarius festivus*	1																				1
G	*Nassarius hepaticus*									1												1
G	*Nipponacmea concinna*	1																				1

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
P	Maldanidae spp.										1	2			2							5
P	Onuphidae spp.														1							1
Sp	*Sipunculus nudus*																	1				1
																					Total	**581**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*							1		3												4
Bi	*Barbatia virescens*	3		2		9		8		10		1						1				34
Bi	*Hiatella arctica*			1		1		2		3				1				2				10
Bi	*Saccostrea cucullata*	51		38		129		107		61		36		30		47		63		37		599
Bi	*Xenostrobus atratus*	2		2		4		4		10				6				1		2		31
C	*Etisus laevimanus*					1		1														2
C	*Hemigrapsus penicillatus*							1		1						1				2		5
C	*Metopograpsus latifrons*																	1		1		2
C	*Nanosesarma minutum*	3				2		5		4		1		1		3		3				22
G	*Batillaria bornii*	1		1				1														3
G	*Batillaria multiformis*			2		8		4		4				3		3		1		5		30
G	*Batillaria zonalis*									2												2
G	*Cellana grata*	20		6		8		3		5				12		1				2		57
G	*Cerithidea cingulata*																			1		1
G	*Cerithidea djadjariensis*												1									1
G	*Euchelus scaber*											1		1								2
G	*Lepidozona* sp.			1																		1
G	*Lunella coronata*	6		8		7		7		13		5		5		7		3		14		75
G	*Monodonta labio*	33		20		67		59		38				48		50		46		67		428

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	*Nerita polita*					1		3		3				2				1		2		12
G	*Nipponacmea concinna*	5		1						5										2		13
G	*Patelloida pygmaea*													5		4		9		1		19
Ne	Nemertea spp.									2												2
P	Nereididae spp.	1																				1
Sp	*Sipunculus nudus*					3		3		2												8
																					Total	**1364**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone ST High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*									1												1
Bi	*Hiatella arctica*									1		1										2
Bi	*Saccostrea cucullata*	23		5		18		12		21		6		4		13		17		11		130
Bi	*Xenostrobus atratus*	3								1												4
C	*Hemigrapsus penicillatus*							1														1
Cn	*Diadumene lineata*	2		1										1								4
G	*Batillaria bornii*			1		1		2						2		3		2		2		13
G	*Batillaria multiformis*	9		6	1	23		12		6		2		5		3		1		13		81
G	*Batillaria zonalis*			1	3																	4
G	*Cellana grata*									4		2		2		1		1		1		11
G	*Cellana toreuma*																	1				1
G	*Cerithidea cingulata*				8							1				2						11
G	*Cerithidea djadjariensis*	1														2						3
G	*Cerithidea rhizophorarum*			1		1										1						3
G	*Clithon faba*					2		4						2		1		1		6		16
G	*Clithon oualaniensis*																	1		5		6
G	*Euchelus scaber*									2								1				3
G	*Lepidozona* sp.			1																		1
G	*Littoraria articulata*			1																		1

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone ST High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	*Lunella coronata*	8		4		10		11		6		9		3		13		12		11		87
G	*Monodonta labio*	23		13		20		24		25		14		8		16		14		29		186
G	*Nassarius festivus*											1						1				2
G	*Nerita polita*									1												1
G	*Nipponacmea concinna*									7				1						1		9
G	*Patelloida pygmaea*									4								1		2		7
Hc	*Clibanarius* sp.					1																1
Hc	*Pagurus dubius*															1						1
S	*Alpheus distinguendus*							1														1
																					Total	**591**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone ST Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Bi	*Barbatia virescens*	1								4				3						3		11
Bi	*Hiatella arctica*	3										2		4						1		10
Bi	*Saccostrea cucullata*	28								19		40		38		55		12		34		226
Bi	*Xenostrobus atratus*									1						2						3
C	*Hemigrapsus penicillatus*															1				1		2
C	*Nanosesarma minutum*																			1		1
Cn	*Diadumene lineata*									1		1										2
G	*Batillaria bornii*													1				1		1		3
G	*Batillaria multiformis*	1		2		1			1							3				11		19
G	*Batillaria zonalis*			9				2	1													12
G	*Cellana grata*									4		5		5				2		2		18
G	*Cellana toreuma*	1																		1		2
G	*Cerithidea cingulata*			1					1													2
G	*Cerithidea djadjariensis*	2		1					1											1		5
G	*Clithon faba*	2								1				1								4
G	*Euchelus scaber*	2								2		2		1				5				12
G	*Lepidozona* sp.											1										1
G	*Lunella coronata*	11								11		6		110		6		13		9		166
G	*Monodonta labio*	5								12		12		25		19		13		17		103

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone ST Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	*Nassarius festivus*															1						1
G	*Nerita polita*															1						1
G	*Nipponacmea concinna*	1								6								1		1		9
G	*Patelloida pygmaea*									1				2		1						4
G	*Thais luteostoma*															1						1
Hc	*Pagurus dubius*	1																				1
Ne	Nemertea spp.											1										1
P	Glyceridae spp.								1													1

Total **621**

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone ST Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*	1																				1
Bi	*Barbatia virescens*															2		4		15		21
Bi	*Circe* sp.										1		2									3
Bi	*Hiatella arctica*	2																1				3
Bi	*Saccostrea cucullata*	67														17		11		20		115
Bi	*Xenostrobus atratus*															2		1				3
C	*Charybdis affinis*																	1				1
G	*Batillaria multiformis*						7			1				2								10
G	*Batillaria zonalis*			5			1			9	1			3			1				2	22
G	*Cerithidea cingulata*						5												1			6
G	*Cerithidea djadjariensis*									1												1
G	*Chlorostoma argyrostoma*																			1		1
G	*Dentalium sinuosum*								1													1
G	*Euchelus scaber*	2																4		1		7
G	*Lepidozona* sp.																	1				1
G	*Lunella coronata*	7														2		2		4		15
G	*Nipponacmea concinna*	4																				4
Hc	*Pagurus dubius*																	1				1
P	Maldanidae spp.										1										1	2

AnnexV (Cont'd). *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Dec 2017 Sampling zone ST Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
P	Nereididae spp.										1											1
P	Onuphidae spp.						1		1													2
P	Terebellidae spp.										1											1
Sp	*Sipunculus nudus*																			2		2
																					Total	**224**

Key for faunal groups (Gp):

Ba: Barnacle, Bi: Bivalve, C: Crab, Cn: Cnidarin, Eh: Echiuran, F: Fish, G: Gastropod, Hc: Hermit crab, Ne: Nemertean, Ol: Oligochaete, P: Polychaete, Pl: Platyhelminthes, Po: Polyplacophores, S: Shrimp, Sc: Scaphopods, Sp: Sipunculan