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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. 16 (June to August 2016)

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Revision 1

Main Contractor



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

Designer

ATKINS

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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 sixteenth 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 June 2016 to 31 August 2016.

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		
		June 2016	July 2016	August 2016
Air Quality	1-hr TSP	6, 10, 16, 22 and 28	4, 8, 14, 19, 25 and 29	4, 10, 16, 22 and 26
	24-hr TSP	AMS5: 3, 8, 14, 20, 24 and 30 AMS6: 7, 8, 14, 20, 24 and 30	AMS5: 6, 14, 18, 22 and 28 AMS6: 13, 18, 22 and 28	3, 9, 15, 19, 25 and 31
Noise		6, 16, 22 and 28	4, 14, 19 and 25	4, 10, 16 and 22
Water Quality		1, 3, 6, 8, 10, 13, 15, 17, 20, 22, 24, 27 and 29	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
Chinese White Dolphin		1, 6, 13 and 17	5, 12, 18 and 27	5, 9, 17 and 23
Mudflat Monitoring (Ecology)		4, 5, 6, 18 and 19	--	--
Mudflat Monitoring (Sedimentation rate)		2	--	--
Site Inspection		1, 8, 15, 22 and 28	6, 13, 20, and 29	3, 10, 17, 24 and 30

Due to malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 was rescheduled from 3 June 2016 to 7 June 2016.

Due to power interruption and malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 was rescheduled from 12 July 2016 to 14 July 2016 respectively.

Due to malfunction of HVS at station AMS6, the 24-hr TSP monitoring on 6 July 2016 was cancelled. The HVS was repaired on 13 July 2016. The 24-hr TSP monitoring at AMS6 was rescheduled from 12 July 2016 to 13 July 2016.

Due to clash of schedule, the dolphin monitoring schedule was rescheduled from 20 June 2016 to 17 June 2016.

Due to boat availability, the dolphin monitoring schedule was rescheduled from 11 July 2016 to 5 July 2016, from 25 July to 12 July 2016, from 22 July to 27 July 2016, 8 August 2016 to 9 August 2016 and from 24 August to 23 August 2016.

As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 August 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

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	1	0
	24-hr TSP	0	0
Noise	L _{eq} (30 min)	0	0
Water Quality	Suspended solids level (SS)	0	0
	Turbidity level	0	0
	Dissolved oxygen level (DO)	0	0
Dolphin Monitoring	Quarterly Analysis (Jun 2016 to Aug 2016)	0	1

The Environmental Team investigated all exceedances and found that they were not project related.

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 was one complaint received in relation to the environmental impacts during the reporting period.

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

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaints
COM-2016-087	28 June 2016	Water Quality

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 quarterly summary 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- East:813273, North 818850) 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.

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. **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 sixteenth 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 June 2016 to 31 August 2016.

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
Dismantling/trimming of temporary 40mm stone platform for construction of seawall	Portion X
Filling works behind stone platform	Portion X
Construction of seawall	Portion X
Loading and unloading of filling materials	Portion X
Pipe piling work	Portion X
Excavation and lateral support works for Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X
Construction of tunnel box structure at Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X
Backfilling at Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X
Excavation for HKBCF to Airport Tunnel	Portion X
Pipe piling and sheet piling works for Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X and Y
Jet Grouting Works for Scenic Hill Tunnel (Cut & Cover Tunnel)	Portion X and Y
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
Canopy pipe drilling / Box Jacking underneath Airport Express Line	Airport Express Line
Pipe roofing drilling / Mined Tunnel excavation underneath Airport Road	Airport Road
Lateral support works at shaft 3 extension north shaft & south shaft (Package T1.12.1)	Kwo Lo Wan Road
Excavation and Lateral Support Works for HKBCF to Airport Tunnel West (Cut & Cover Tunnel)	Airport Road
Excavation and Lateral Support Works for HKBCF to Airport Tunnel East (Cut & Cover Tunnel)	Portion X
Utility culvert excavation	Portion Y
Sub-structure & superstructure works for Highway Operation and Maintenance Area Building	Portion Y

Superstructure works for Scenic Hill Tunnel West Portal Ventilation building	West Portal
Excavation for Scenic Hill Tunnel	West Portal
Box Jacking underneath Airport Express Line	Airport Express Line
Mined Tunnel excavation underneath Airport Road	Airport Road
Excavation and Lateral Support Works at shaft 3 extension north shaft & south shaft (Package T1.12.1)	Kwo Lo Wan Road
Mined Tunnel excavation/ Box Jacking underneath Airport Road and Airport Express Line	Airport Road and Airport Express Line

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)	NMS5	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).

Environmental Monitoring	Description	Monitoring Station	Frequencies	Remarks
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 $\mu\text{g}/\text{m}^3$	500 $\mu\text{g}/\text{m}^3$
		AMS 6	360 $\mu\text{g}/\text{m}^3$	
	24-hr TSP	AMS 5	164 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$
		AMS 6	173 $\mu\text{g}/\text{m}^3$	
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.

Parameter (unit)	Water Depth	Action Level	Limit Level
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 than 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 ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
June 2016	AMS5	93	83 - 108	352	500
	AMS6	98	84 - 153	360	
July 2016	AMS5	122	76 - 421	352	
	AMS6	98	76 - 153	360	
August 2016	AMS5	90	75-104	352	
	AMS6	99	82-136	360	

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

Reporting Period	Monitoring Station	Average ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
June 2016	AMS5	36	22 - 79	164	260
	AMS6	42	26 - 63	173	
July 2016	AMS5	42	20 - 79	164	
	AMS6	39	34 - 45	173	
August 2016	AMS5	39	21-55	164	
	AMS6	47	25-66	173	

- 3.2.2 During the reporting month, an Action Level exceedance of 1-hr TSP level was recorded at AMS5 (Ma Wan Chung Village) for 14 July 2016, 16:20 – 17:20 hours.

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)
June 2016	NMS5	65	61 – 71	When one documented complaint is received	75
July 2016		58	55 – 61		
August 2016		58	55 – 61		

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

- 3.3.2 There were no Action and Limit Level exceedances for noise 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 For marine water quality monitoring, no Action Level and Limit Level exceedances of turbidity level, dissolved oxygen level and suspended solid level were recorded during the reporting period.
- 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-km² grids among NWL and NEL survey areas on GIS. Sighting densities (number of on-effort sightings per km²) and dolphin densities (total number of dolphins from on-effort sightings per km²) 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-km² 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-km² 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 June to August 2016, 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 897.06 km of survey effort was collected, with 92.5% 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, 341.80 km and 555.26 km of survey effort were conducted in NEL and NWL survey areas respectively.
- 3.5.11 The total survey effort conducted on primary lines was 648.70 km, while the effort on secondary lines was 248.36 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 June to August 2016, a total of ten groups of 34 Chinese White Dolphins were sighted. A summary table of the dolphin sightings is shown in **Annex II of Appendix J**.
- 3.5.13 For the present quarterly period, seven of the ten dolphin sightings were made during on-effort search, while all seven on-effort dolphin sightings were made on primary lines. In addition, all except one dolphin group were sighted in NWL, while an off-effort sighting of a lone dolphin was made on June 6th in NEL. In fact, since August 2014, only two sightings of two lone dolphins were made respectively in NEL during HKLR03 monitoring surveys.

Distribution

- 3.5.14 Distribution of dolphin sightings made during monitoring surveys in June to August 2016 is shown in **Figure 1 of Appendix J**.
- 3.5.15 Dolphin sightings made in the present quarter were mainly located to the east of Lung Kwu Chau and to the west of Sha Chau near western territorial boundary (**Figure 1 of Appendix J**). Two sightings were made to the west of Shum Wat very close to the Hong Kong Link Road alignment at the southwestern corner of NWL survey area (**Figure 1 of Appendix J**). The lone dolphin sighted in NEL was located between Shum Shui Kok and Yam O (**Figure 1 of Appendix J**).

- 3.5.16 All dolphin sightings were located far away from the HKBCF and HKLR03 reclamation sites as well as along the alignment of Tuen Mun-Chek Lap Kok Link (TMCLKL). However, two dolphin groups were located adjacent to the HKLR alignment (**Figure 1 of Appendix J**).
- 3.5.17 Sighting distribution of dolphins during the present impact phase monitoring period (June to August 2016) was drastically different from the one during the baseline monitoring period (September to November 2011). In the present quarter, dolphins have almost disappeared from the NEL region with the exception of a lone dolphin occurred near Shum Shui Kok (**Figure 1 of Appendix J**). This 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 14 quarters of HKLR03 monitoring, which has resulted in zero to extremely low dolphin encounter rates in this area.
- 3.5.18 In NWL survey area, dolphin occurrence was also very different between the baseline and impact phase periods. During the present impact monitoring period, much fewer dolphins occurred in this survey area (mostly to the east of Lung Kwu Chau and west of Sha Chau) than during the baseline period, when many dolphin groups were frequently sighted between Lung Kwu Chau and Black Point, around Sha Chau, near Pillar Point and to the west of the Chek Lap Kok Airport (**Figure 1 of Appendix J**).
- 3.5.19 Another comparison in dolphin distribution was made between the four quarterly periods of summer months in 2013-16 (**Figure 2 of Appendix J**). Among the four summer periods, dolphins were regularly sighted throughout the North Lantau region in 2013, but their usage there has gradually diminished in 2014 and subsequently to a very low level in 2015 and 2016 (**Figure 2 of Appendix J**).
- Encounter Rate**
- 3.5.20 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) (See **Table 3.5**).
- 3.5.21 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 1.43 sightings and 6.34 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 (June to August 2016)

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 (1 & 6 Jun 2016)	0.00	0.00
	Set 2 (13 & 17 Jun 2016)	0.00	0.00
	Set 3 (5 & 12 Jul 2016)	0.00	0.00
	Set 4 (18 & 27 Jul 2016)	0.00	0.00
	Set 5 (5 & 9 Aug 2016)	0.00	0.00
	Set 6 (17 & 23 Aug 2016)	0.00	0.00

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
Northwest Lantau	Set 1 (1 & 6 Jun 2016)	0.00	0.00
	Set 2 (13 & 17 Jun 2016)	0.00	0.00
	Set 3 (5 & 12 Jul 2016)	4.60	9.20
	Set 4 (18 & 27 Jul 2016)	0.00	0.00
	Set 5 (5 & 9 Aug 2016)	4.24	28.28
	Set 6 (17 & 23 Aug 2016)	1.48	7.40

Table 3.5 Comparison of average dolphin encounter rates from impact monitoring period (June to August 2016) 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	1.72 ± 2.17	9.85 ± 5.85	7.48 ± 10.98	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.

3.5.22 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 fourteen 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

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)
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*

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 summer months were in blue and marked with asterisk.

3.5.23 On the other hand, the average dolphin encounter rates (STG and ANI) in NWL during the present impact phase monitoring period (reductions of 82.5% and 83.3% 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**).

3.5.24 During the same summer quarters, dolphin encounter rates in NWL during 2016 reached to the lowest point among the four summer periods, and were much lower than the ones recorded in 2013 and 2014 (**Table 3.7**). Such temporal trend should be closely monitored in the upcoming monitoring quarters.

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*

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 summer months were in blue and marked with asterisk.

- 3.5.25 As discussed recently in Hung (2016), the dramatic decline in dolphin usage of NEL waters in the past few years (including the declines in abundance, encounter rate and habitat use in NEL, as well as shifts of individual core areas and ranges away from NEL waters) was possibly related to the HZMB construction works that were commenced since 2012. It appeared that such noticeable decline has already extended to NWL waters progressively in the past few years.
- 3.5.26 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).

- 3.5.27 For the comparison between the baseline period and the present quarter (fifteenth quarter of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.0031 and 0.0227 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. .
- 3.5.28 For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first fifteen quarters of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.000009 and 0.000001 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).
- 3.5.29 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. This 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 2016).
- 3.5.30 To ensure the continuous usage of North Lantau waters by the dolphins, every possible measure should be implemented by the contractors and relevant authorities of HZMB-related works to minimize all disturbances to the dolphins.

Group Size

- 3.5.31 Group size of Chinese White Dolphins ranged from one to eleven individuals per group in North Lantau region during June to August 2016. 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 (Jun 2016 – Aug 2016) and Baseline Monitoring Period (Sep – Nov 2011)

Survey Area	Average Dolphin Group Size	
	Reporting Period	Baseline Monitoring Period
Overall	3.40 ± 3.34 (n = 10)	3.72 ± 3.13 (n = 66)
Northeast Lantau	1.00 (n = 1)	3.18 ± 2.16 (n = 17)
Northwest Lantau	3.67 ± 3.43 (n = 9)	3.92 ± 3.40 (n = 49)

Note:

- 1) ± denotes the standard deviation of the average group size.
- 3.5.32 The average dolphin group size in NWL waters during June to August 2016 was slightly lower than the one recorded during the three-month baseline period (**Table 3.8**). Most of these dolphin groups were composed of 1-3 individuals only, while there were two medium-sized groups of five and seven individuals respectively, and one large group of eleven individuals.
- 3.5.33 As there was only one single dolphin sighted in NEL waters during this quarter, the average group size was much lower than the one recorded during the baseline period (**Table 3.8**).
- 3.5.34 Distribution of the larger dolphin groups (i.e. 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. During the summer months of 2016, the two medium-sized groups were sighted near Pak Chau and to the east of Lung Kwu Chau respectively, while one large group of eleven individuals was sighted to the west of Sha Chau near the western territorial boundary (**Figure 3 of Appendix J**). Such distribution pattern was very different from the baseline period, when the

larger dolphin groups were more frequently sighted and more evenly distributed in NWL waters, with a few more sighted in NEL waters. (**Figure 3 of Appendix J**).

Habitat Use

- 3.5.35 From June to August 2016, the more important habitats utilized by Chinese White Dolphins were located to the west of Sha Chau at the western territorial boundary, as well as to the northeast of Lung Kwu Chau (**Figures 4a and 4b of Appendix J**). One grid located to the west of Shum Wat overlapped with the HKLR09 alignment also recorded moderate density of dolphins. On the contrary, 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 4b of Appendix J**).
- 3.5.36 It should be emphasized though 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 will be collected throughout the impact phase monitoring programme.
- 3.5.37 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**).
- 3.5.38 The density patterns were also very different in NWL between the baseline and impact phase monitoring periods, with higher 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, the only areas with moderate to high dolphin densities were restricted to the waters near Sha Chau and Lung Kwu Chau during the present impact phase period. (**Figure 5 of Appendix J**).

Mother-calf Pairs

- 3.5.39 During the present quarterly period, neither unspotted calf nor unspotted juvenile was sighted with any female in the North Lantau region.
- 3.5.40 The absence of young calves in the past three consecutive quarters was in stark contrast to their regular occurrence in North Lantau waters during the baseline period. This should be of a serious concern, and the occurrence of young calves in North Lantau waters should be closely monitored in the upcoming quarters.

Activities and Associations with Fishing Boats

- 3.5.41 Only one of the ten dolphin groups were engaged in socializing activity, while none of them was engaged in feeding, traveling or milling/resting activity during the three-month study period.
- 3.5.42 The percentage of sightings associated with socializing activities (10.0%) was higher than the one recorded during the baseline period (5.4%). However, it should be noted the sample size on total numbers of dolphin sightings during the present quarter (ten dolphin groups) was much lower than the baseline period (66 dolphin groups).
- 3.5.43 Distribution of dolphins engaged in various activities during the present impact phase period and the baseline period is shown in **Figure 6 of Appendix J**. The only dolphin group engaged in socializing activity was sighted to the west of Shum Wat near the HKLR09 alignment during the present quarterly period, which was very different from the baseline period when various dolphin activities occurred throughout the North Lantau region. (**Figure 6 of Appendix J**).

- 3.5.44 As consistently recorded in the past monitoring quarters, none of the ten dolphin groups was found to be associated with any operating fishing vessel in North Lantau waters during the present impact phase period.

Summary Photo-identification works

- 3.5.45 From June to August 2016, over 1,200 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the photo-identification work.
- 3.5.46 In total, 15 individuals sighted 15 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.
- 3.5.47 Notably, three of these 15 individuals (NL104, NL136 and NL302) were also sighted in West Lantau waters during the HKLR09 monitoring surveys from June to August 2016. Moreover, one individual (NL150) was sighted in both NWL and SWL survey areas during the same quarter, showing extensive individual movement between different survey areas.

Individual range use

- 3.5.48 Ranging patterns of the 15 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in **Annex V of Appendix J**.
- 3.5.49 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.
- 3.5.50 On the other hand, four individuals (NL104, NL136, NL150 and NL302) consistently utilized both North Lantau waters in the past have extended their range use to WL and SWL waters during the present quarter. 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, as such shift could possibly be related to the HZMB-related construction works (see Hung 2015, 2016).

Action Level / Limit Level Exceedance

- 3.5.51 There was one Limit Level exceedance of dolphin monitoring for the quarterly monitoring data (between June 2016 – August 2016). According to the contractor's information, the marine activities undertaken for HKLR03 during the quarter of June 2016 – August 2016 included removal of surcharge materials, temporary drainage diversion, ground investigation, box culvert diversion, construction of permanent sea wall and maintenance of silt curtain.
- 3.5.52 There is no evidence showing the current LL 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.
- 3.5.53 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.

- 3.5.54 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.
- 3.5.55 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).
- 3.5.56 For the comparison between the baseline period and the present quarter (fifteenth quarter of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.0031 and 0.0227 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.
- 3.5.57 For comparison between the baseline period and the cumulative quarters in impact phase (i.e. first fifteen quarters of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.000009 and 0.000001 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).
- 3.5.58 The AFCD monitoring data during June to August 2016 has been reviewed by the dolphin specialist. During the same quarter, no dolphin was sighted from 78.80 km of survey effort on primary lines in NEL, while three groups of 19 dolphins were sighted from 123.40 km of survey effort on primary lines in NWL. This review has confirmed that the extremely low occurrence of dolphins reported by the HKLR03 monitoring surveys in summer 2016 in NEL and NWL survey area is accurate.
- 3.5.59 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.
- 3.5.60 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.

- 3.5.61 A meeting was held on 14 October 2016 with attendance of representative of ENPO, Resident Site Staff (RSS), Environmental Team (ET) and dolphin specialist for Contract Nos. HY/2010/02, HY/2011/03, HY/2012/07, HY/2012/08. The discussion/recommendation as recorded in the minutes of the meeting, which might be relevant to HKLR03 Contract are summarized below.
- 3.5.62 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.
- 3.5.63 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 apparently related to the re-routing of high speed ferry (HSF) from Skypier.
- 3.5.64 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.
- 3.5.65 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.
- 3.5.66 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.
- 3.5.67 It was suggested that the protection measures (e.g., speed limit control) for the proposed Brothers Marine Park (BMP) shall be brought forward as soon as possible before its establishment so as to provide a better habitat for dolphin recovery. It was noted that under the Regular Marine Travel Route Plan, the contractors have committed to reduce the vessel speed in BMP. HyD updated that the draft map of the proposed 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 Plan.
- 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 2 June 2016. 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

Monitoring Station	Baseline Monitoring (September 2012)			Impact Monitoring (March 2016)		
	Easting (m)	Northing (m)	Surface Level (mPD)	Easting (m)	Northing (m)	Surface Level (mPD)
S1	810291.160	816678.727	0.950	810291.141	816678.735	1.073
S2	810958.272	815831.531	0.864	810958.261	815831.556	0.989
S3	810716.585	815953.308	1.341	810716.670	815953.302	1.468
S4	811221.433	816151.381	0.931	811221.408	816151.338	1.104

Table 3.10 Comparison of Measurement

Monitoring Station	Comparison of measurement			Remarks and Recommendation
	Easting (m)	Northing (m)	Surface Level (mPD)	
S1	-0.019	0.008	0.123	Level continuously increased
S2	-0.011	0.025	0.125	Level continuously increased
S3	0.085	-0.006	0.127	Level continuously increased
S4	-0.025	0.006	0.173	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) as in the EM&A Manual. The water quality monitoring location (SR3) is shown in **Figure 2.1**.
- 3.6.4 Impact water quality monitoring in San Tau (monitoring station SR3) was conducted in June 2016. The monitoring parameters included dissolved oxygen (DO), turbidity and suspended solids (SS).
- 3.6.5 The Impact monitoring result for SR3 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-Jun-16	9.01	6.85	4.80	10.30	5.35	10.60
3-Jun-16	9.55	6.45	3.15	8.60	8.70	7.60
6-Jun-16	5.79	5.75	5.15	5.66	5.70	5.50
8-Jun-16	5.14	6.80	3.95	5.39	2.55	7.35
10-Jun-16	7.81	2.20	4.65	6.64	2.35	3.00
13-Jun-16	5.90	2.80	2.40	6.23	2.70	5.05
15-Jun-16	6.86	4.75	4.65	6.64	5.05	6.15
17-Jun-16	7.39	4.90	2.75	7.86	4.50	3.95

Date	Mid Ebb Tide			Mid Flood Tide		
	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
20-Jun-16	6.89	5.65	5.95	7.73	5.80	8.10
22-Jun-16	6.18	6.65	7.75	7.51	4.30	6.20
24-Jun-16	6.14	6.10	3.90	7.58	4.25	4.40
27-Jun-16	9.43	7.10	9.05	8.70	4.25	8.10
29-Jun-16	6.01	5.55	5.25	7.32	4.20	5.70
Average	7.08	5.50	4.88	7.39	4.59	6.28

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 length of sampling zones TC1, TC2, TC3 and ST were about 250 m, 300 m, 300 m and 250 m, respectively. Survey of horseshoe crabs, seagrass beds and intertidal communities were conducted in every sampling zone. The present survey was conducted in June 2016 (totally 6 sampling days between 4th and 19th June 2016).

Horseshoe Crabs

- 3.6.7 Active search method was conducted for horseshoe crab monitoring by two experienced surveyors at 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 4th (for TC2), 6th (for TC3 and ST) and 19th (for TC1) June 2016. The weather was generally cloudy with intermittent rains on 4th June 2016. It was sunny and hot on 6th and 19th June 2016.

Seagrass Beds

- 3.6.8 Active search method was conducted for seagrass bed monitoring by two experienced surveyors at 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 4th (for TC2), 6th (for TC3 and ST) and 19th (for TC1) June 2016. The weather was generally cloudy with intermittent rains on 4th June. It was sunny and hot on 6th and 19th June 2016.

Intertidal Soft Shore Communities

- 3.6.9 The intertidal soft shore community surveys were conducted on 4th (for TC2), 5th (for TC3), 18th (for ST) and 19th (for TC1) June 2016. In every sampling zone, three 100 m 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 0.5m) were placed.
- 3.6.10 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 x 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 were dug for visible infauna in the quadrat regardless of hand core sample was taken.

- 3.6.11 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.
- 3.6.12 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

- 3.6.13 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,

$$H' = -\sum (N_i / N) \ln (N_i / N) \text{ (Shannon and Weaver, 1963)}$$

$$J = H' / \ln S, \text{ (Pielou, 1966)}$$

where S is the total number of species in the sample, N is the total number of individuals, and N_i is the number of individuals of the i^{th} species.

Mudflat Ecology Monitoring Results and Conclusion

Horseshoe Crabs

- 3.6.14 In the present survey, two species of horseshoe crab *Carcinoscorpius rotundicauda* (total 181 ind.) and *Tachypleus tridentatus* (total 47 ind.) were recorded. For one sight record, grouping of 2-31 individuals was observed at same locations with similar substratum (fine sand or soft mud). Photo records were shown in **Figure 3.1 of Appendix O** while the complete records of horseshoe crab were shown in **Annex II of Appendix O**.
- 3.6.15 **Table 3.1 of Appendix O** summarizes the survey results of horseshoe crab in present survey. For *Carcinoscorpius rotundicauda*, there were 20, 6, 66 and 89 individuals in TC1, TC2, TC3 and ST respectively. For ST, the search record was the highest (14.8 ind. hr^{-1} person $^{-1}$) while the average body size was 40.30 mm (prosomal width ranged 12.00-75.41 mm). TC3 had the second highest search record (11.0 ind. hr^{-1} person $^{-1}$) but the average body size was lowest (mean prosomal width 30.42 mm; range 11.76-86.54 mm). For TC1, the search record was much lower (5.0 ind. hr^{-1} person $^{-1}$) while the average body size was 49.57 mm (prosomal width ranged 15.24-142.72 mm). For TC2, the search record was the lowest (1.5 ind. hr^{-1} person $^{-1}$) while the average body size was 42.43 mm (prosomal width ranged 30.38 – 74.17 mm).
- 3.6.16 For *Tachypleus tridentatus*, there were 2, 18 and 27 individuals in TC1, TC3 and ST respectively. For ST, the search record was 4.5 ind. hr^{-1} person $^{-1}$ while the average body size was 60.28 mm (prosomal width ranged 43.16-80.03 mm). For TC3, the search record was 3.0 ind. hr^{-1} person $^{-1}$ while the average body size was 45.16 mm (prosomal width ranged 28.89-54.58 mm). For TC1, the search record was very low (0.5 ind. hr^{-1} person $^{-1}$) while the average body size was 44.74 mm (prosomal width ranged 35.77-53.71 mm). No individual was found in TC2.
- 3.6.17 In the previous survey of March 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. Moreover, two moults of *Carcinoscorpius rotundicauda* were found in TC1 with similar prosomal width 130-140 mm (**Figure 3.2 of Appendix O**). It reflected that a certain numbers of moderately sized individuals inhabited the sub-tidal habitat of Tung Chung Wan after its nursery period on soft shore. These individuals might move onto soft shore during high tide for feeding, moulting and breeding. Then it would return to sub-tidal habitat during low tide. Because the mating pair should be inhabiting sub-tidal habitat in most of the time. The record

was excluded from the data analysis to avoid mixing up with juvenile population living on soft shore. In present survey the records of the two big individuals of *Carcinoscorpius rotundicauda* (prosomal width 117.37 mm and 178.17 mm) were excluded from data analysis according to the same principle.

- 3.6.18 No marked individual of horseshoe crab was recorded in present survey. Some marked individuals were found in previous surveys conducted in September 2013, March 2014 and September 2014. All of them were released through a conservation programme conducted 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 crabs 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 September 2014.
- 3.6.19 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

- 3.6.20 **Figures 3.3 and 3.4 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. In general, higher search records (i.e. number of individuals) of both species were always found in ST and TC3. 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 (present survey). 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). For 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 also found in ST followed by TC3 and TC1.
- 3.6.21 Throughout the monitoring conducted, 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.

Seasonal variation of horseshoe crab population

- 3.6.22 Throughout the monitoring period conducted, the search record of horseshoe crab declined obviously during dry season especially December (**Figures 3.3 and 3.4 of Appendix O**). In December 2013, no individual of horseshoe crab was found. In December 2014, 2 individuals of *Carcinoscorpius rotundicauda* and 8 individuals of *Tachypleus tridentatus* were found only. In December 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 °C). 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). After the dry season, the search record increased with the warmer climate.

- 3.6.23 From September 2012 to December 2013, *Carcinoscorpius rotundicauda* was a less common species relative to *Tachypleus tridentatus*. Only 4 individuals were ever recorded in ST in December 2012. This species had ever been believed of very low density in ST hence the encounter rate was very low. Since March 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. From March 2014 to September 2015, more individuals were recorded due to larger size and higher activity (i.e. more conspicuous walking trail).
- 3.6.24 For *Tachypleus tridentatus*, sharp increase of number of individuals was recorded in ST during the wet season of 2013 (from March to September). 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 during the wet season of 2014. The number of individuals increased in March and June 2014 followed by a rapid decline in September 2014. Then the number of individuals fluctuated slightly in TC3 and ST until June 2016 (present survey). 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 March 2014. Then it varied slightly between 50-65 mm from September 2014 to June 2016 (present survey). Most of the individuals might have reached a suitable size strong enough to forage in sub-tidal habitat.
- 3.6.25 Since TC3 and ST were regarded as important nursery ground for horseshoe crab, 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

- 3.6.26 **Figure 3.5 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 September 2012 and December 2013 hence the data were lacking. In March 2014, the major size (50% of individual records between upper and lower quartile) ranged 40-60 mm while only few individuals were found. From March 2014 to June 2016 (present survey), the size of major population decreased and more small individuals were recorded after March of every year. It indicated new rounds of successful breeding and spawning of *Carcinoscorpius rotundicauda* in TC3. It matched with the previous mating record in ST in March 2015. Moreover, several large individuals (prosomal width 60-90 mm) were recorded in Jun 2016 (present survey) indicating a stable growth of older individuals.
- 3.6.27 For *Tachypleus tridentatus*, the major size ranged 20-50 mm while the number of individuals fluctuated from September 2012 to June 2014. Then a slight but consistent growing trend was observed from September 2014 to June 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.
- 3.6.28 From March to June 2016 (present survey), slight increasing trend of major size was noticed again.

Box plot of horseshoe crab populations in ST

- 3.6.29 **Figure 3.6 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 September 2012 and December 2013 hence the data were lacking. From March 2014 to September 2015, the size of major population decreased and more small individuals were recorded after June of every year. It indicated new rounds of successful breeding and spawning of *Carcinoscorpius rotundicauda* in ST. It matched with the previous mating record in ST in March 2015. From March to June 2016 (present survey), slight increasing trend of major size was noticed similar to previous two years. Few small individuals (prosomal width 10-20 mm) were found in June 2016 while there might be new round of spawning similar to TC3.
- 3.6.30 For *Tachypleus tridentatus*, a consistent growing trend was observed for the major population from December 2012 to December 2014 regardless of change of search record. The prosomal width increased from 15-30 mm to 55-70 mm. As mentioned, the large individuals might have reached a suitable size for migrating from the nursery soft shore to subtidal habitat. From March to September 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 individuals might have migrated to sub-tidal habitats, leaving the smaller individuals on shore. In December 2015, two big individuals (prosomal width 89.27 mm and 98.89 mm) were recorded only while it could not represent the major population. From December 2015 to March 2016, the number of horseshoe crab recorded was very few in ST that no boxplot could be produced. In June 2016 (present survey), the prosomal width of major population ranged 50-70 mm. There was an overall growth trend throughout the monitoring period.
- 3.6.31 As a summary for horseshoe crab populations in TC3 and ST, there was successful 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 TC3 and ST 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. It was expected the population would remain at low level until new round of successful spawning.

Impact of the HKLR project

- 3.6.32 The present survey was the 15th 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 considering the factor of natural, seasonal variation. 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 observed, it would be reported as soon as possible.

Seagrass Beds

- 3.6.33 In the present survey, seagrass species *Halophila ovalis* and *Zostera japonica* were recorded in ST only. Photo records were shown in **Figure 3.7 of Appendix O** while the complete records of seagrass beds survey were shown in **Annex III of Appendix O**.
- 3.6.34 **Table 3.2 of Appendix O** summarizes the results of seagrass beds survey in ST. Four patches of *Halophila ovalis* were found while the total seagrass bed area was about 4707.3 m² (average area 1176.8 m²). The largest patch was a horizontal strand with seagrass bed area 4162.7 m² on soft mud at 1.0-1.5 m above C.D. with coverage 70%. At vicinity, there were two small, irregular patches with seagrass bed area 28.5-45.6 m² and coverage 60-80%. These three patches were not recorded in previous survey reflecting a new colonization between March to June 2016.
- 3.6.35 Moreover, there was a horizontal strand with seagrass bed area 470.5 m² nearby the seaward side of mangrove vegetation at 2.0 m above C.D.. It coexisted with another seagrass species *Zostera japonica* with variable coverage (10-100%).

- 3.6.36 For *Zostera japonica*, there was only one horizontal strand coexisting with *Halophila ovalis* at 2.0 m above C.D. The estimated total area and coverage were 114.9 m² and 70% respectively.
- 3.6.37 Since majority of seagrass bed was confined in ST, the temporal change of both seagrass species were investigated in details.

Temporal variation of seagrass beds

- 3.6.38 **Figure 3.8 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 m²) was found in March 2013 that grew within the large patch of seagrass *Halophila ovalis*. Then the patch size increased and merged gradually with the warmer climate from March to June 2013 (15 m²). However the patch size decreased sharply and remained similar from September 2013 (4 m²) to March 2014 (3 m²). In June 2014, the patch size increased obviously again (41 m²) with warmer climate. Similar to previous year, the patch size decreased again and remained similar September 2014 (2 m²) to December 2014 (5 m²). From March to June 2015, the patch size increased sharply again (90.0 m²). It might be due to the disappearance of the originally dominant seagrass *Halophila ovalis* resulting in less competition for substratum and nutrients. From September 2015 to June 2016 (present survey), it was found coexisting with seagrass *Halophila ovalis* with steady increasing patch size and variable coverage.
- 3.6.39 For *Halophila ovalis*, it was recorded as 3-4 medium to large patches (area 18.9 - 251.7 m²; vegetation coverage 50-80%) beside the mangrove vegetation at tidal level 2 m above C.D in September 2012 (first survey). The total seagrass bed area grew steadily from 332.3 m² in September 2012 to 727.4 m² in December 2013. Flowers could be observed in the largest patch during its flowering period in December 2013. In March 2014, 31 small to medium patches were newly recorded (variable area 1-72 m² 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 m². In June 2014, these small and medium patches grew and extended to each others. 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 m²) of seagrass beds characterized of patchy distribution, variable vegetable coverage (40-80%) and smaller leaves. The total seagrass bed area increased sharply to 7629 m². In September 2014, the total seagrass area declined sharply to 1111 m². There were only 3-4 small to large patches (6 - 253 m²) at high tidal level and 1 patch at low tidal level (786 m²). Typhoon or strong water current was a possible cause (Fong, 1998). In September 2014, there were two tropical cyclone records in Hong Kong (7th-8th September: no cyclone name, maximum signal number 1; 14th-17th September: Kalmaegi maximum signal number 8SE) before the seagrass survey dated 21st September 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 surrounding the recorded patches. But it was hardly distinguished due to very low coverage (10-20%) and small leaves.
- 3.6.40 In December 2014, all the seagrass patches of *Halophila ovalis* disappeared in ST. **Figure 3.9 of Appendix O** shows the difference of the original seagrass beds area nearby the mangrove vegetation at high tidal level between June 2014 and December 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 can colonize areas in short period but disappears quickly under unfavourable conditions (Fong, 1998).

Unfavourable conditions to seagrass *Halophila ovalis*

- 3.6.41 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 September 2014. The strong water current caused by the cyclones might have given damage to the seagrass beds.
- 3.6.42 Prolonged light deprivation due to turbid water would be another unfavourable 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).
- 3.6.43 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 September, 2014, the SS concentrations measured at 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 September 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, abnormality 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.
- 3.6.44 Based on the weather condition and water quality results in ST, the co-occurrence of cyclone hit and turbid waters in September 2014 might have combined the adverse effects on *Halophila ovalis* that led 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

- 3.6.45 **Figure 3.9 of Appendix O** shows the recolonization of seagrass bed area in ST from December 2014 to June 2016 (present survey). From March to June 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 December 2014 and March 2015. Moreover, it would need to compete with more abundant 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 June to March 2016, the total seagrass area of *Halophila ovalis* had increased rapidly from 6.8 m² to 230.63 m². It had recolonized its original patch locations and covered *Zostera japonica*. In June 2016, the total seagrass area increased sharply to 4707.3 m². Similar to the previous records of March-June 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.). It indicated the second extensive colonization of this *r*-strategy seagrass. However it was not appropriate to predict a rapid decline of seagrass area in the coming sampling months based on the previous results (September and December 2014).

Impact of the HKLR project

- 3.6.46 The present survey was the 15th survey of the EM&A programme during the construction period. According to the results of present survey, there was clear recolonization of both seagrass species *Halophila ovalis* and *Zostera japonica* in ST. Hence the negative impact of HKLR project on the seagrass was not significant. In case, adverse phenomenon (e.g. reduction of seagrass patch size, abnormal change of leave colour) is observed again, it would be reported as soon as possible

Intertidal Soft Shore Communities

- 3.6.47 **Table 3.3 and Figure 3.10 of Appendix O** show the types of substratum along the horizontal transect at every tidal level in every sampling zone. 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, high percentage of 'Gravels and Boulders' (80-90%) was recorded at all tidal levels followed by 'Sands' (10-20%).
 - In TC2, the major substrata types were 'Soft mud' (50%) and 'Sands' (40%) at the high tidal level. 'Sands' was the major substratum type (60%) at the mid and low tidal levels followed by 'Soft mud' (20-30%).
 - In TC3, high percentage of 'Sands' (70-100%) was recorded at the high and mid tidal levels. The major substratum type was 'Gravels and Boulders' (70%) at the low tidal level followed by 'Soft mud' (20%).
 - In ST, high percentage of 'Gravels and Boulders' (80-100%) was recorded at the high and mid tidal levels. The major substrata types were 'Gravels and Boulders' (40%) and 'Soft mud' (40%) at the low tidal level.
- 3.6.48 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.
- 3.6.49 **Table 3.4 of Appendix O** lists the total abundance, density and number of taxon of every phylum in this survey. A total of 15304 individuals were recorded. Mollusca was significantly the most abundant phylum (total individuals 14722, density 491 ind. m⁻², relative abundance 96.2%). The second and third abundant phyla were Arthropoda (328 ind., 11 ind. m⁻², 2.1%) and Annelida (123 ind., 4 ind. m⁻², 0.8%) respectively. Relatively other phyla were very low in abundances (density ≤1 ind. m⁻², relative abundance ≤0.3%). Moreover, the most diverse phylum was Mollusca (40 taxa) followed by Arthropoda (18 taxa) and Annelida (14 taxa). There were 1-2 taxa recorded only for other phyla. The taxonomic resolution and complete list of collected specimens are shown in **Annex IV and V of Appendix O** respectively.

3.6.50 **Table 3.5 of Appendix O** shows the number of individual, relative abundance and density of each phylum in every sampling zone. The total abundance (2686-4777 ind.) varied among the four sampling zones while the phyla distributions were similar. In general, Mollusca was the most dominant phylum (no. of individuals: 2513-4662 ind.; relative abundance 93.6-97.6%; density 335-622 ind. m⁻²). Other phyla were significantly lower in number of individuals. Arthropoda was the second abundant phylum (51-110 ind.; 1.1-3.7%; 7-15 ind. m⁻²). Annelida was the third abundant phylum in TC2 and TC3 (25-67 ind.; 0.5-2.5%; 3-9 ind. m⁻²) while it was the fourth abundant in TC1 and ST (15-16 ind.; 0.3-0.5%; 2 ind. m⁻²). Sipuncula was the third abundant phylum (22 ind.; 0.5%; 3 ind. m⁻²) in TC1. Cnidaria (sea anemone) was the third abundant phylum (36 ind.; 1.1%; 5 ind. m⁻²) in ST. Relatively other phyla were low in abundance in all sampling zones ($\leq 0.3\%$).

Dominant species in every sampling zone

- 3.6.51 **Table 3.6 of Appendix O** lists the abundant species (relative abundance >10%) in every sampling zone. In TC1, the abundant species were different between tidal levels. Gastropod *Batillaria multiformis* was the most abundant species of very high density (413 ind. m⁻², relative abundance 54%) at the high tidal level (major substratum: 'Gravels and Boulders') followed by gastropods *Cerithidea cingulata* (165 ind. m⁻², 22%) and *Cerithidea djadjariensis* (110 ind. m⁻², 14%). At the mid tidal level (major substratum: 'Gravels and Boulders'), gastropods *Monodonta labio* (119 ind. m⁻², 22%), *Cerithidea cingulata* (109 ind. m⁻², 20%), *Batillaria multiformis* (88 ind. m⁻², 16%) and rock oyster *Saccostrea cucullata* (75 ind. m⁻², 14%, attached on boulders) were abundant species of low-moderate densities. At the low tidal level (major substratum: 'Gravels and Boulders'), gastropod *Monodonta labio* (144 ind. m⁻², 24%) and rock oyster *Saccostrea cucullata* (139 ind. m⁻², 23%) were the abundant species of moderate densities.
- 3.6.52 At TC2, the abundant species were different between tidal levels. Gastropod *Cerithidea djadjariensis* (322 ind. m⁻², 51%) was the most abundant at high density followed by gastropod *Cerithidea cingulata* (167 ind. m⁻², 27%) at the high tidal level (major substratum: 'Soft mud'). At the mid tidal level (major substratum: 'Sands'), gastropods *Cerithidea djadjariensis* (85 ind. m⁻², 28%), *Batillaria zonalis* (56 ind. m⁻², 18%), *Cerithidea cingulata* (34 ind. m⁻², 11%) and rock oyster *Saccostrea cucullata* (75 ind. m⁻², 25%, attached on boulders) were the abundant species at low-moderate densities. At the low tidal level (major substratum: 'Sands'), gastropods *Batillaria zonalis* (36 ind. m⁻², 25%), *Cerithidea djadjariensis* (20 ind. m⁻², 14%) and rock oyster *Saccostrea cucullata* (35 ind. m⁻², 24%) were the common species at low densities.
- 3.6.53 At TC3, gastropods *Batillaria multiformis* (203 ind. m⁻², 33%), *Cerithidea djadjariensis* (195 ind. m⁻², 32%) and *Cerithidea cingulata* (192 ind. m⁻², 31%) were the abundant species of moderate densities at the high tidal level (major substratum: 'Sands'). At the mid tidal level (major substratum: 'Sands'), gastropods *Cerithidea djadjariensis* (282 ind. m⁻², 45%) and *Cerithidea cingulata* (220 ind. m⁻², 35%) were the abundant species at moderate-high densities. At the low tidal level (major substratum: 'Gravels and Boulders'), the abundant species were at moderate densities including rock oyster *Saccostrea cucullata* (202 ind. m⁻², 34%, attached on boulders), gastropods *Monodonta labio* (147 ind. m⁻², 25%) and *Cerithidea djadjariensis* (106 ind. m⁻², 18%).
- 3.6.54 At ST, abundant gastropods *Monodonta labio* (186 ind. m⁻², 36%) and *Batillaria multiformis* (123 ind. m⁻², 23%) were of moderate densities followed by limpet *Cellana toreuma* (61 ind. m⁻², 12%) and rock oyster *Saccostrea cucullata* (60 ind. m⁻², 11%, attached on boulders) at the high tidal level (major substratum: 'Gravels and Boulders'). At the mid tidal level (major substratum: 'Gravels and Boulders'), gastropod *Monodonta labio* (158 ind. m⁻², 28%) and rock oyster *Saccostrea cucullata* (111 ind. m⁻², 20%) were abundant at moderate densities. At the low tidal level (major substrata: 'Soft mud' and 'Gravels and Boulders'), gastropods *Cerithidea cingulata* (49 ind. m⁻², 22%), *Cerithidea djadjariensis* (43 ind. m⁻², 20%), *Lunella coronate* (29 ind. m⁻², 13%) and rock oyster *Saccostrea cucullata* (26 ind. m⁻², 12%) were common species at low densities.

- 3.6.55 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 *Cerithidea djadjariensis* (total number of individuals: 3231 ind., relative abundance 21.1%), *Cerithidea cingulata* (2530 ind., 16.5%) and *Batillaria multiformis* (2410 ind., 15.7%) were the most commonly occurring species on sandy and soft mud substrata. Gastropod *Monodonta labio* (2051 ind., 13.4%) and rock oyster *Saccostrea cucullata* (1953 ind., 12.8%) were commonly occurring species inhabiting gravel and boulders substratum.

Biodiversity and abundance of soft shore communities

- 3.6.56 **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. The variations among sampling zones and tidal levels were determined by the type of substratum primarily mentioned above.
- 3.6.57 Among the sampling zones, the mean species numbers of TC1 and ST (12-13 spp. 0.25 m^{-2}) were higher than that of TC2 and TC3 (8-9 spp. 0.25 m^{-2}). The mean density of TC1 and TC3 (612-637 ind. m^{-2}) were higher than that of TC2 and ST (358-433 ind. m^{-2}). The mean H' of TC1, TC2 and ST (1.5-1.7) were slightly higher than that of TC3 (1.2). However the mean J values were similar among the sampling zones
- 3.6.58 Across the tidal levels, there was no consistent difference of the mean species number, density and J in all sampling zones. For the mean H' , there was a slightly increasing trend from high to low tidal level.
- 3.6.59 **Figures 3.11 to 3.14 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. Overall no consistent trend of any biological parameters was observed throughout the monitoring period. All the parameters fluctuated naturally with the seasons.

Impact of the HKLR project

- 3.6.60 The present survey was the 15th 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, abnormal phenomenon (e.g. rapid or consistent decline of fauna densities and species number) is 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, noise, 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 During the reporting period, an Action Level exceedance of 1-hr TSP level was recorded at AMS5 (Ma Wan Chung Village) for 14 July 2016, 16:20 – 17:20 hours. During the TSP monitoring period from 16:20 to 17:20 hours on 14 July 2016, it was observed that there was agricultural burning of materials grown at Ma Wan Chung Village by others next to AMS5 (about 5m away). It was noted that the agricultural burning of materials at Ma Wan Chung Village (where it was located completely outside works area of Contract No. HY/2011/03) was not conducted by the Contractor of Contract No. HY/2011/03. 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. During the regular weekly site inspection on 13 July 2016, dust control measures such as water spraying for fill materials and haul roads were observed. No fugitive dust emission was observed by ET at the construction site near AMS5. Agricultural burning at Ma Wan Chung Village was not observed during the 1-hr TSP monitoring period from 14:20 – 15:20 hours and 15:20 – 16:20 hours on 14 July 2016 and the measured level of 1-hr TSP during the said periods was below Action and Limit Level. Also, no exceedances of 1-hr TSP were recorded on 19 July 2016 at AMS5. Therefore, it is considered that the 1-hr TSP level exceedance on 14 July 2016 was not related to the construction activities of the Contract and was caused by agricultural burning at Ma Wan Chung Village. In this case, no immediate actions are required.
- 4.1.3 No Limit Level exceedances of 1-hr TSP were recorded at AMS5 during the reporting month. No Action and Limit Level exceedances of 24-hr TSP were recorded at AMS5 during the reporting month. No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at AMS6 during the reporting month

Noise

- 4.1.4 No Action/Limit Level exceedances for noise were recorded during daytime on normal weekdays of the reporting period.

Water Quality

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

Dolphin

- 4.1.6 There was one Limit Level exceedance of dolphin monitoring for the quarterly monitoring data (between June 2016 – August 2016). According to the contractor's information, the marine activities undertaken for HKLR03 during the quarter of June 2016 – August 2016 included removal of surcharge materials, temporary drainage diversion, ground investigation, box culvert diversion, construction of permanent sea wall and maintenance of silt curtain.
- 4.1.7 There is no evidence showing the current LL 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.

- 4.1.8 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 was one complaint 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 Month

Environmental Complaint No.	Date of Complaint Received	Description of Environmental Complaint
COM-2016-087	28 June 2016	Water Quality

- 4.2.2 Complaint investigations were undertaken and no non-compliance was identified.
- 4.2.3 No notification of summons and prosecution was received during the reporting period.
- 4.2.4 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 remove the mud inside the U-channel at N4.
The Contractor was reminded to display a NRMM label on the mobile crane at S9.
- The Contractor was reminded to maintain the wastewater treatment facility properly at N26 and PR9.
- The Contractor was reminded to remove the accumulated mud at the seafront of S7.
- The Contractor was reminded to maintain the earth bund at the seafront of S7, S11 properly.
- The Contractor was reminded to maintain the silt curtain at Portion X, S11 and S7.
- The Contractor was reminded to cover the stockpile of sand with tarpaulin.
- The Contractor was reminded to clean up the oil stain at S11.
- The Contractor was reminded to stop the leakage of untreated runoff at S15.
- The Contractor was reminded to provide a drip tray for chemical at S15, N26, Shaft 1, S11, S7, HMA and West Portal, S16 and Shaft 3.
- The Contractor was reminded to provide the NRMM label on the generator at S15 and N30.
- The Contractor was reminded to cover the cement mixing station at top and 3-side with impervious tarpaulin at S11 and West Portal.
- The Contractor was reminded to cover for the stockpile of bagged cement (> 20 bags) with impervious tarpaulin at S15 and West Portal.
- The Contractor was reminded to clear the stagnant water to avoid mosquito breeding at HMA, N4, S7, C&C, S15, WA4, A2, S11, S8, S9, and West Portal.
- The Contractor was reminded to remove the general refuse promptly at HMA, N30, C&C, S11, N4, S25, West Portal, S8, S7, S15 and S16.
- The Contractor was reminded to provide chemical label to all chemical containers at HMA, S11 and S7.
- The Contractor was reminded to keep the operation of wheel washing facilities properly at N30 and WA4.
- The Contractor was reminded to inspect the wastewater treatment facility regularly at N26 and West Portal.
- The Contractor was reminded to mark the source of discharge on the discharge pipe at N26.
- The Contractor was reminded to stop the muddy water leakage at S11.
- The Contractor was reminded to provide an adequate wheel washing facility at N26.
- The Contractor was reminded to clear the oil stain properly at S8.
- The Contractor was reminded to provide noise barriers for tunnel excavation at S8.
- The Contractor was reminded to cover the dump truck completely at West Portal and S15.
- The Contractor was reminded to remove the concrete waste at West Portal and Shaft 3.
- The Contractor was reminded to clean up the muddy tracks at the site exit of West Portal.
- The Contractor was reminded to use impervious sheet to cover the containers which is used for water storage at S11.
- The Contractor was reminded to remove the abandoned pipe from 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 sixteenth Quarterly EM&A Report which summarizes the monitoring results and audit findings of the EM&A programme during the reporting period from 1 June 2016 to 31 August 2016.

Air Quality

- 5.3.2 An Action Level exceedance of 1-hr TSP level was recorded at AMS5 (Ma Wan Chung Village) during the reporting period. It is considered that the 1-hr TSP level exceedance on 14 July 2016 was not related to the construction activities of the Contract and was caused by agricultural burning at Ma Wan Chung Village.
- 5.3.3 No Limit Level exceedances of 1-hr TSP were recorded at AMS5 during the reporting month. No Action and Limit Level exceedances of 24-hr TSP were recorded at AMS5 during the reporting period.
- 5.3.4 No Action and Limit Level exceedances of 1-hr TSP and 24-hr TSP were recorded at AMS6 during the reporting period.

Noise

- 5.3.5 No Action/Limit Level exceedances for noise were recorded during daytime on normal weekdays of the reporting period.

Water Quality

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

Dolphin

- 5.3.7 There was a Limit Level exceedances of dolphin monitoring for the quarterly monitoring data (between June 2016 – August 2016).
- 5.3.8 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.
- 5.3.9 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 significantly reduced in NEL since 2012, and many individuals have shifted away from the important habitat around the Brothers Islands.

- 5.3.10 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

- 5.3.11 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

- 5.3.12 The June 2016 survey was the fifteenth 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, seagrass and intertidal soft shore community.

Environmental Site Inspection and Audit

- 5.3.13 Environmental site inspection was carried out on 1, 8, 15, 22 and 28 June 2016; 6, 13, 20 and 29 July 2016; and 3, 10, 17, 24 and 30 August 2016. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.
- 5.3.14 There was one complaint received in relation to the environmental impacts during the reporting period. Complaint investigations were undertaken and no non-compliance was identified.
- 5.3.15 No notification of summons and prosecution was received during the reporting period.



FIGURES



LEGEND

 Site Boundary of Contract HY/2011/03

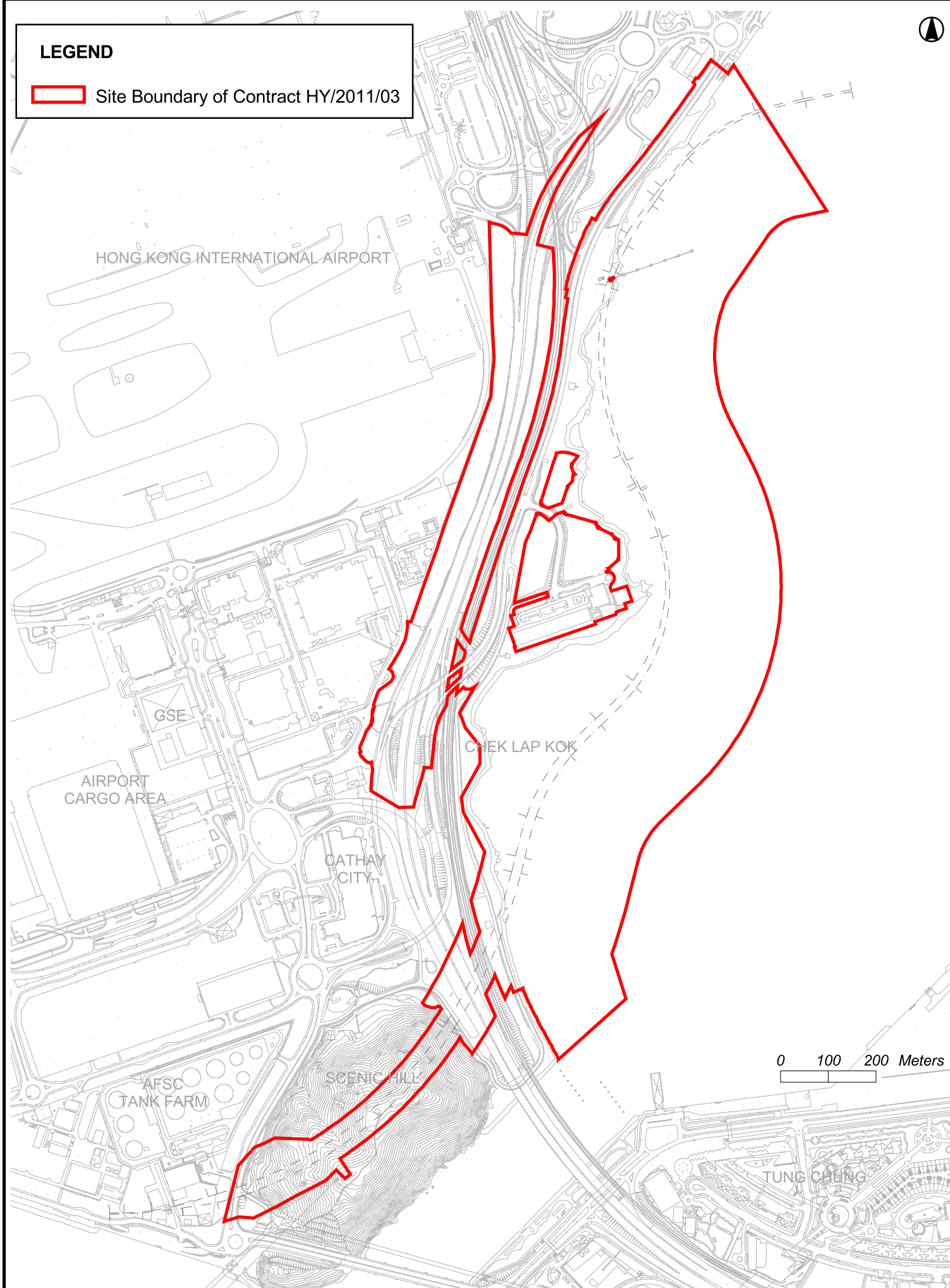
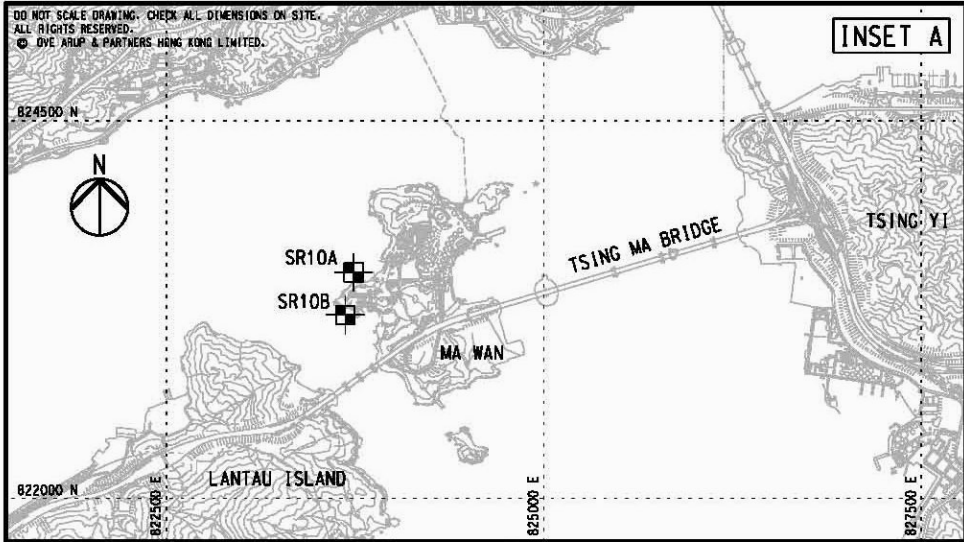


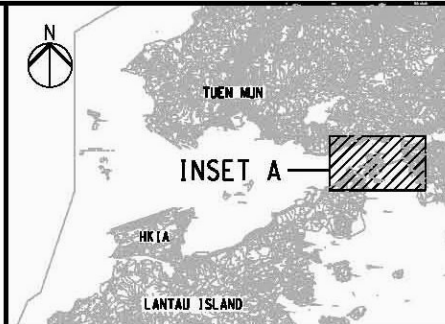
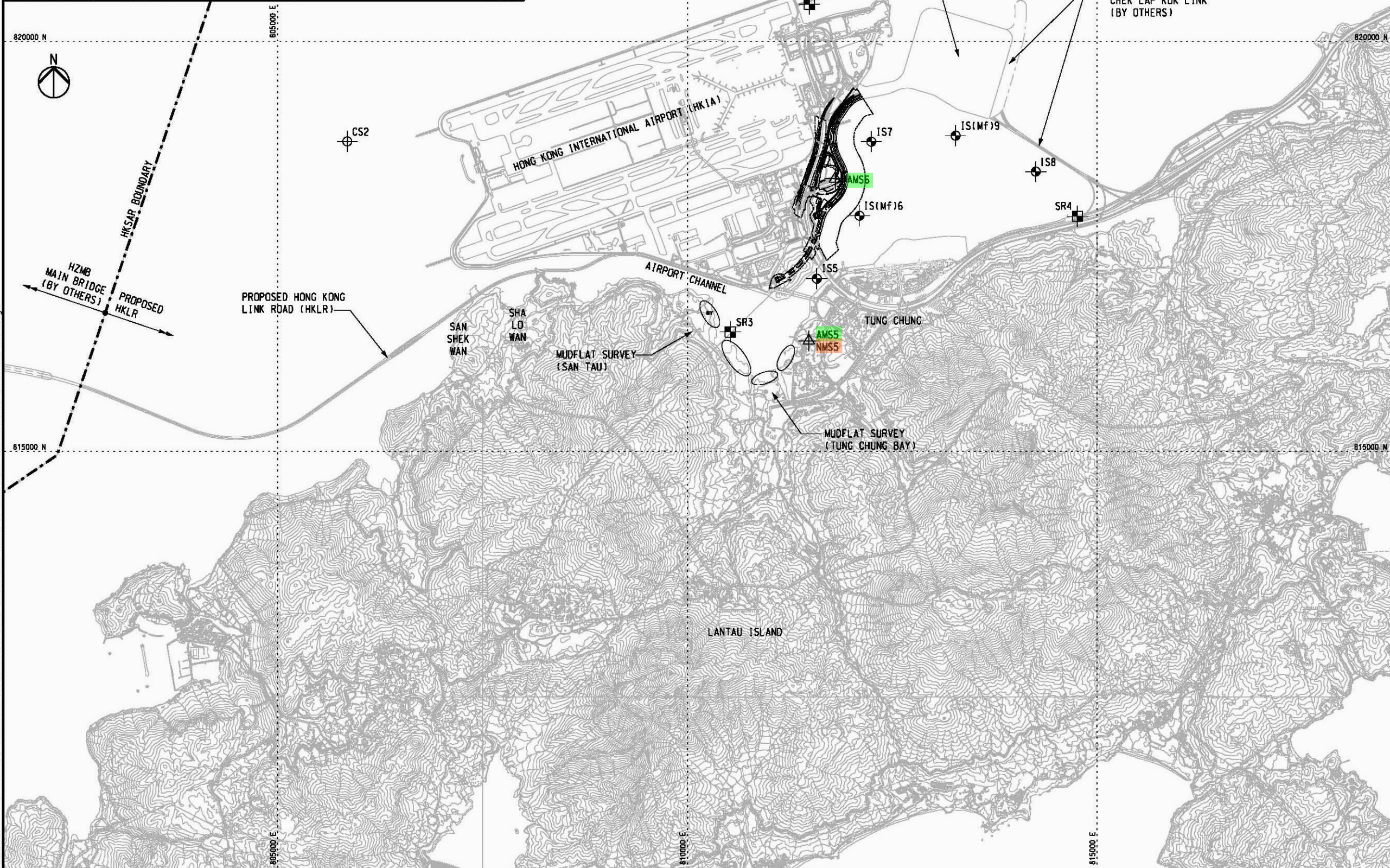
Figure 1.1 Location of the Site



INSET A

Water Monitoring Station

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	812577	820670
SR3	810525	816456
SR4	814760	817867
SR5	811489	820455
SR10A	823741	823495
SR10B	823686	823213
CS2	805849	818780
CS(Mf)5	817990	821129



KEY PLAN

NOTES

- 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.
- THE LOCATION AND EXTENT OF MUDFLAT SURVEY SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. THE CONTRACTOR AND ET SHALL DETERMINE AND AGREE WITH THE IEC, ENPO AND SUPERVISING OFFICER THE DETAILS OF THE MUDFLAT SURVEY IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE EIA REPORTS AND E&MA MANUALS.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS STIPULATED IN THE E&MA MANUALS TO CONDUCT THE ENVIRONMENTAL MONITORING AND AUDIT WORKS.

LEGEND

- WORKS BOUNDARY OF CONTRACT HY2011/03
- 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.
Date		11/11		A
Drawn	RY	Checked	AW	Approved
Scale	As shown	Status		SK

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路政署
HIGHWAYS DEPARTMENT
港珠澳大橋香港工程營運處
Hong Kong - Zhuhai - Macao Bridge
Hong Kong Project Management Office

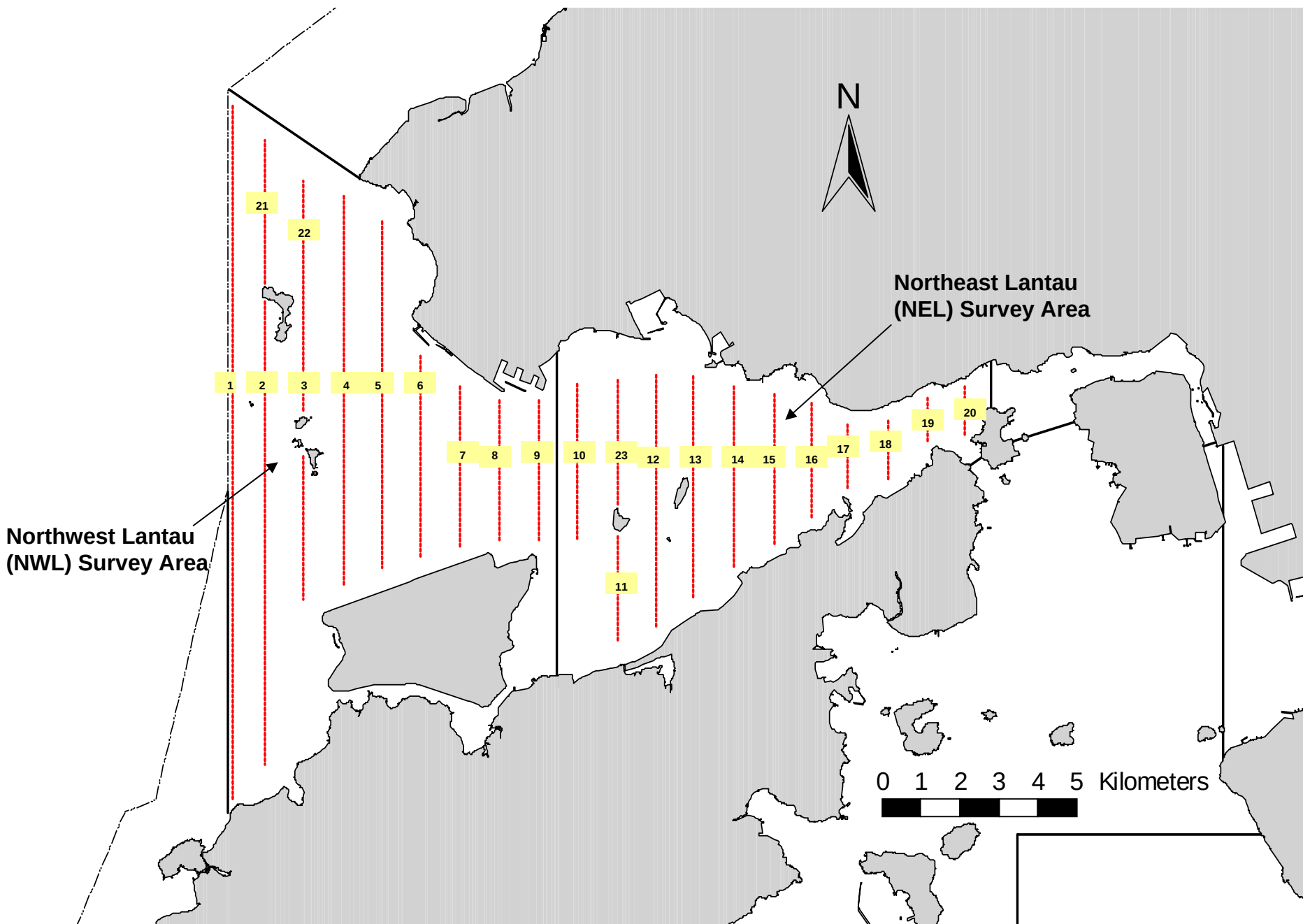


Figure 2.2 Transect Line Layout in Northwest and Northeast Lantau Survey Areas



APPENDIX A

Environmental Management Structure

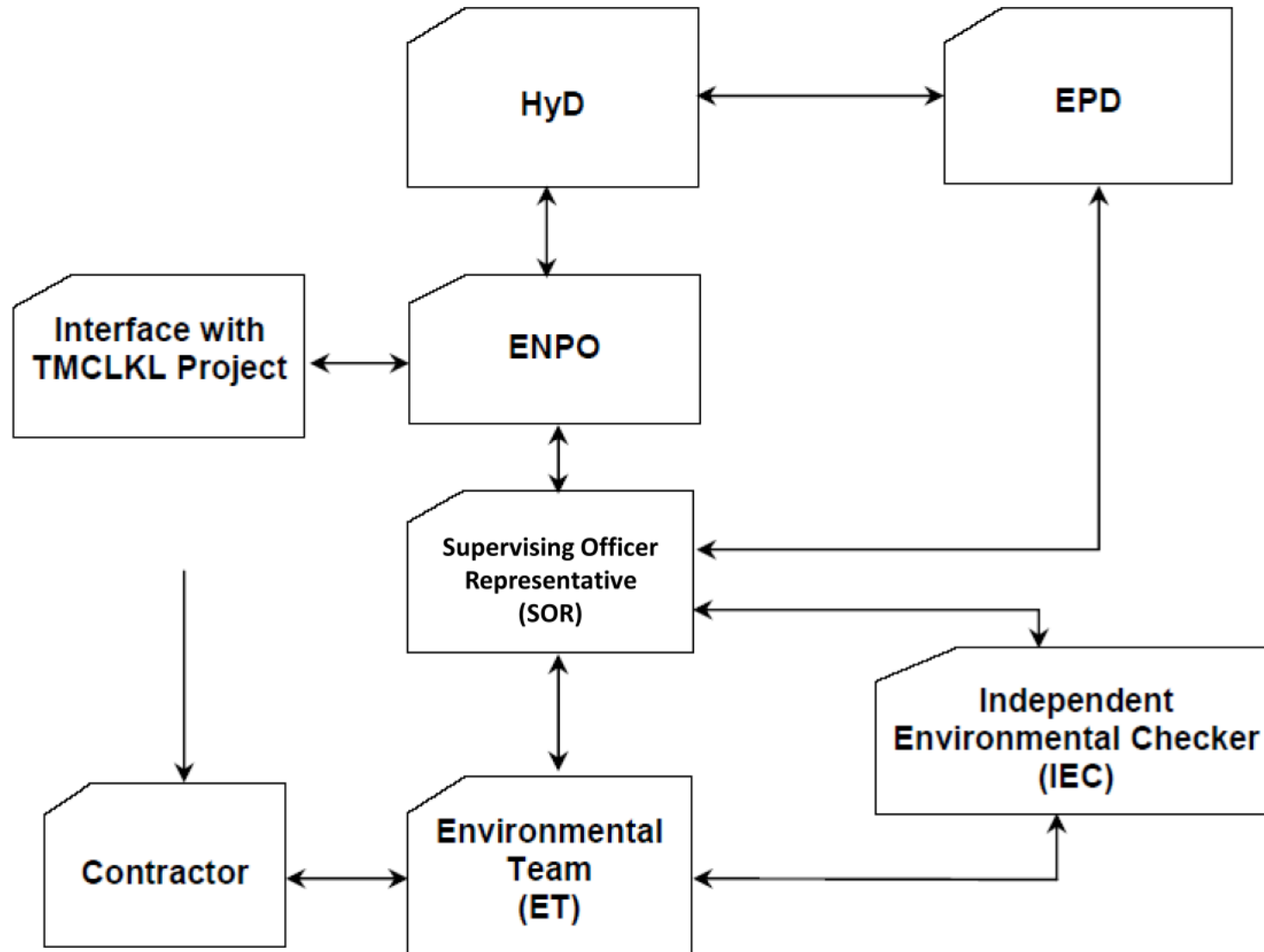


Contact Information of Key Personnel

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 Environ Hong Kong Limited)	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	---

Project Organization for Environmental Works

↔ Line of communication





APPENDIX B

Construction Programme



Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	2016																							
						May				June				July				August											
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21							
	SHT9060-10	SHT CP3 Lining - 4th stage, (Formworks, rebars, concreting & formworks removal)	10d	20-May-16*	29-May-16	0%																							
	Cross Passage - CP4																												
	SHT9060-120	SHT CP4 Base slab - Formworks, rebars, concreting & formworks removal	10d	30-May-16	08-Jun-16	0%																							
Ventilation Building																													
RC Works																													
T002 - Area between E-G/1-6																													
Maintenance corridor																													
SHT9938	SHT Vent. Bldg. - Main. Corridor (Grid E-F/4-5) at +42.5mPD, (Formworks, rebars, concrete)	6d	02-Apr-16 A	12-Apr-16 A	100%																								
SHT9958	SHT Vent. Bldg. - Main. Corridor (Grid G/2-5) at +19.95mPD, (Formworks, rebars, concrete)	6d	27-May-16	01-Jun-16	0%																								
SHT9968	SHT Vent. Bldg. - Main. Corridor (Grid G/3-4) at +14.456mPD, (Formworks, rebars, concrete)	6d	02-Jun-16	07-Jun-16	0%																								
SHT9978	SHT Vent. Bldg. - Main. Corridor (Grid G/2-3) at +14.456mPD, (Formworks, rebars, concrete)	6d	08-Jun-16	13-Jun-16	0%																								
Ground Floor - 1st Floor																													
SHT10238	SHT Vent. Bldg. - Lining Roof Slab T002 (1-4), (Formworks, rebars, concrete)	12d	07-Apr-16 A	23-May-16	50%																								
2nd Floor - 3rd Floor																													
SHT8112	SHT Vent. Bldg. - 2/F - 3/F - Columns F2-F3 (E-G/4-6)-7 nos., (Formworks, rebars, concrete)	7d	24-May-16	30-May-16	0%																								
SHT8410	SHT Vent. Bldg. - 2/F - 3/F - Walls F2-F3 (E-G/4-6), (Formworks, rebars, concrete)	7d	31-May-16	06-Jun-16	0%																								
4th Floor - 5th Floor																													
SHT8592	SHT Vent. Bldg. - 4/F - 5/F - Columns C4E,C4F and C5F (E-G/1-4) (Formworks, rebars, concrete)	10d	07-Jun-16	16-Jun-16	0%																								
SHT8602	SHT Vent. Bldg. - 4/F - 5/F - Walls F4-F5 (E-G/1-4), (Formworks, rebars, concrete)	10d	07-Jun-16	16-Jun-16	0%																								
SHT8612	SHT Vent. Bldg. - 4/F - 5/F - Temporary works for 5/F slab	6d	17-Jun-16	22-Jun-16	0%																								
SHT8622	SHT Vent. Bldg. - 4/F - 5/F - 5th Floor slab(E-G/1-6) (Formworks, rebars, concrete)	15d	23-Jun-16	07-Jul-16	0%																								
Area between D-E/1-6																													
Ground Floor - Upper Ground Floor																													
SHT8682	SHT Vent. Bldg. - G/F - UGF - Walls (Formworks, rebars, concrete)	7d	24-May-16	31-May-16	0%																								
SHT8182	SHT Vent. Bldg. - G/F -UG/F - Backfilling works, (D-E/1-4)	3d	24-May-16	26-May-16	0%																								
SHT8192	SHT Vent. Bldg. - G/F -UG/F - Temporary work for U/G slab (D-E/1-4)	4d	01-Jun-16	04-Jun-16	0%																								
SHT8202	SHT Vent. Bldg. - G/F -UG/F - UG slab(D-E/1-4), (Formworks, rebars, concrete)	6d	05-Jun-16	10-Jun-16	0%																								
SHT8232	SHT Vent. Bldg. - G/F -UG/F - Backfilling works, (D-E/4-6)	4d	11-Jun-16	14-Jun-16	0%																								
SHT8242	SHT Vent. Bldg. - G/F -UG/F - Temporary work for U/G slab (D-E/4-6)	6d	15-Jun-16	20-Jun-16	0%																								
SHT8252	SHT Vent. Bldg. - G/F -UG/F - UG slab(D-E/4-6), (Formworks, rebars, concrete)	8d	21-Jun-16	28-Jun-16	0%																								
Water Tank																													
SHT9998	SHT Vent. Bldg. - Tunnel Hydrant Tank, FS Sprinkler Tank, FS Hydrant Tank	12d	29-Jun-16	13-Jul-16	0%																								
Upper Ground Floor - 1st Floor																													
SHT8692	SHT Vent. Bldg. - UG/F - 1/F - Walls (Formworks, rebars, concrete)	7d	01-Jun-16	08-Jun-16	0%																								
SHT8432	SHT Vent. Bldg. - G/F - Backfilling works	10d	15-Jun-16	25-Jun-16	0%																								
1st Floor - 2nd Floor																													
SHT8462	SHT Vent. Bldg. - 1/F - 2/F - Walls F1-F2, (D-E/2-4) (Formworks, rebars, concrete)	8d	16-Feb-16 A	25-May-16	25%																								
SHT8482	SHT Vent. Bldg. - 1/F - 2/F - 2nd Floor slab & beam (D-E/2-4) (Formworks, rebars, concrete)	8d	06-Apr-16 A	12-Apr-16 A	100%																								
SHT10258	SHT Vent. Bldg. - 1/F - 2/F - Walls ((D-E/5-6) (Formworks, rebars, concrete)	8d	07-May-16 A	12-May-16 A	100%																								
SHT10248	SHT Vent. Bldg. - 1/F - 2/F - 2nd Floor slab & beam (D-E/5-6) (Formworks, rebars, concrete)	8d	12-May-16 A	19-May-16 A	100%																								
2nd Floor - 3rd Floor																													
SHT10288	SHT Vent. Bldg. - 2/F - 3/F - Temporary work for 3/F slab (D-E/5-6)	4d	07-May-16 A	12-May-16 A	100%																								
SHT10268	SHT Vent. Bldg. - 2/F - 3/F - 3rd Floor wall, column, slab & beam (D-E/2-3) (Formworks, rebars, concrete)	8d	12-May-16 A	16-May-16 A	100%																								
SHT10278	SHT Vent. Bldg. - 2/F - 3/F - Walls & Column ((D-E/6) (Formworks, rebars, concrete)	8d	17-May-16 A	26-May-16	3%																								
3rd Floor - 4th Floor																													
SHT8562	SHT Vent. Bldg. - 3/F - 4/F - Transformer Room	4d	03-May-16 A	17-May-16 A	100%																								
SHT8542	SHT Vent. Bldg. - 3/F - 4/F - Columns F3 - F4, (Formworks, rebars, concrete)	6d	27-May-16	02-Jun-16	0%																								
SHT10308	SHT Vent. Bldg. - 3/F - 4/F - Temporary work for 4/F slab	4d	27-May-16	31-May-16	0%																								
SHT8572	SHT Vent. Bldg. - 3/F - 4/F - 4th Floor beam and slab(D-E/2-4) @ +39.8mPD(Formworks, rebars, concrete)	13d	01-Jun-16	16-Jun-16	0%																								
SHT8552	SHT Vent. Bldg. - 3/F - 4/F - Walls and column F3 - F4, (Formworks, rebars, concrete)	15d	04-Jun-16	22-Jun-16	0%																								
T001 - Area between A-D/1-6																													
T001 - Area between A-D/1-6																													
2nd Floor - 3rd Floor																													
SHT10038	SHT Vent. Bldg. - 2/F - 3/F - Columns F2-F3, (Formworks, rebars, concrete)	6d	19-Mar-16 A	30-May-16	5%																								
SHT10058	SHT Vent. Bldg. - 2/F - 3/F - Temporary works for 3rd floor slab	6d	09-Apr-16 A	15-Apr-16 A	100%																								
SHT10068	SHT Vent. Bldg. - 2/F - 3/F - 3rd Floor beam, wall and column (A-D/2-4), (Formworks, rebars, concrete)	10d	15-Apr-16 A	28-Apr-16 A	100%																								
SHT10048	HT Vent. Bldg. - 2/F - 3/F - 3rd Floor beam, Slab, wall and column (A-D/4-6), (Formworks, rebars, concrete)	8d	29-Apr-16 A	07-May-16 A	100%																								
SHT10328	SHT Vent. Bldg. - 2/F - 3/F - 3rd Floor slab (A-D/2-4), (Formworks, rebars, concrete)	10d	29-Apr-16 A	16-May-16 A	100%																								
SHT10338	SHT Vent. Bldg. - 2/F - 3/F - 3rd Floor slab (A-D/1-2), (Formworks, rebars, concrete)	10d	16-May-16 A	27-May-16	100%																								
3rd Floor - 4th Floor																													
SHT10178	SHT Vent. Bldg. - 3/F - 4/F - Temporary works for 4th floor slab	6d	20-May-16 A	26-May-16	2%																								
SHT10348	SHT Vent. Bldg. - 3/F -																												

ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
SHT2121-76	T001 - Drift 1 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 48m/48m	15d	05-Jul-16	19-Jul-16	0%
T001 - Drift 2					
SHT2121-68	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 5m/48m	14d	20-Apr-16 A	18-May-16 A	100%
SHT2121-70	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 15/48m	18d	18-May-16 A	28-May-16	2%
SHT2121-80	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 20/48m	18d	29-May-16	15-Jun-16	0%
SHT2121-90	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 30/48m	18d	20-Jul-16	06-Aug-16	0%
SHT2121-92	T001 - Drift 2 - Excavation (drill & break) +arch rib & temp support, Cum. Total L = 40/48m	18d	06-Aug-16	26-Aug-16	0%
Mined Tunnel Works - Drive from Shaft 2 (by Drill & Break)					
T002 (from Shaft 2)					
SHT2122-51	T002 - Excavation to -10.50mPD	10d	24-Mar-16 A	20-Apr-16 A	100%
SHT2122-110	T002 - [AR side] Soil nail installation(Row A, B&C 136nos))	10d	05-Apr-16 A	29-May-16	32%
SHT2122-52	T002 - [AEL side] Soil nail installation(Row A, B&C, 107nos)	12d	11-Apr-16 A	31-May-16	50%
SHT2122-62	T002 - Excavation to -12.50mPD	10d	29-May-16	07-Jun-16	0%
SHT2122-72	T002 - Soil nail installation(Row D, 45nos), facing AEL & AR	7d	08-Jun-16	14-Jun-16	0%
SHT2122-180	T002 - Excavation to -14.50mPD	7d	12-Jun-16	18-Jun-16	0%
SHT2122-190	T002 - Soil nail installation(Row E, 61nos), facing AEL & AR	10d	16-Jun-16	25-Jun-16	0%
SHT2122-200	T002 - Excavation to -16.0mPD	7d	23-Jun-16	29-Jun-16	0%
SHT2122-210	T002 - Soil nail installation(Row F, 40nos), facing AEL & AR	7d	28-Jun-16	04-Jul-16	0%
SHT2122-240	T002 - Excavation to FEL -17.67mPD	7d	02-Jul-16	08-Jul-16	0%
SHT2122-82	T002 - Handover platform for excavation(drill & break) works	0d		08-Jul-16	0%
T002 - Drift 2					
SHT2122-50	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, @ 2d/m cycle, Cum. Total L = 6/12m	12d	09-Jul-16	20-Jul-16	0%
SHT2122-60	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, @ 2d/m cycle, Cum. Total L = 12/12 m	12d	20-Jul-16	31-Jul-16	0%
T002 - Drift 3					
SHT2122-310	T002 - Drift 3 - Excavation (drill & break) +arch rib & temp support, @ 2.3d/m cycle, Cum. Total L = 8/25 m	12d	31-Jul-16	11-Aug-16	0%
SHT2122-320	T002 - Drift 3 - Excavation (drill & break) +arch rib & temp support, @ 2.3d/m cycle, Cum. Total L = 16/25 m	12d	12-Aug-16	23-Aug-16	0%
T001 (from Shaft 2)					
SHT2123-37	T001 - [AR side]Installation of pipe roofing, 20 nos./61 nos.	14d	19-Mar-16 A	20-May-16 A	100%
SHT2123-38	T001 - [AR side]Installation of pipe roofing, 40 nos./61 nos.	14d	20-May-16 A	02-Jun-16	5%
SHT2123-39	T001 - [AR side]Installation of pipe roofing, 61 nos./61 nos.	14d	02-Jun-16	15-Jun-16	0%
SHT2122-120	T001 - [AEL side] Soil nail installation (Row A21 nos)	5d	11-Jun-16	15-Jun-16	0%
SHT2122-130	T001 - [AR side] Soil nail installation (Row A 27 nos)	5d	11-Jun-16	15-Jun-16	0%
SHT2122-140	T001 - Excavation to -10.50mPD	6d	13-Jun-16	18-Jun-16	0%
SHT2122-160	T001 - [AEL side] Soil nail installation(Row B&C, 45nos)	11d	16-Jun-16	26-Jun-16	0%
SHT2122-150	T001 - [AR side] Soil nail installation(Row B&C, 40nos)	10d	16-Jun-16	25-Jun-16	0%
SHT2122-170	T001 - Excavation to -12.50mPD	6d	23-Jun-16	28-Jun-16	0%
SHT2122-220	T001 - [AR side] Soil nail installation(Row D 22nos)	6d	24-Jun-16	29-Jun-16	0%
SHT2122-230	T001 -[AEL side] Soil nail installation(Row D 10nos)	4d	24-Jun-16	27-Jun-16	0%
SHT2122-250	T001 - Excavation to -14.50mPD	6d	24-Jun-16	29-Jun-16	0%
SHT2122-260	T001 - Soil nail installation(Row E, 61nos), facing AEL & AR	10d	25-Jun-16	04-Jul-16	0%
SHT2122-270	T001 - Excavation to -16.0mPD	6d	01-Jul-16	06-Jul-16	0%
SHT2122-280	T001 - Soil nail installation(Row F, 40nos), facing AEL & AR	7d	02-Jul-16	08-Jul-16	0%
SHT2122-290	T001 - Excavation to FEL -19.33 mPD	6d	05-Jul-16	10-Jul-16	0%
SHT2122-300	T001 - Handover platform for excavation(drill & break) works	0d		10-Jul-16	0%
T001 - Drift 1					
SHT2123-130	T002 - Drift 1 - Excavation (drill & break) +arch rib & temp support, @ 2.5d/m cycle, Cum. Total L = 8/15m	16d	11-Jul-16	26-Jul-16	0%
SHT2123-140	T002 - Drift 1 - Excavation (drill & break) +arch rib & temp support, @ 2.5d/m cycle, Cum. Total L = 15/15m	16d	27-Jul-16	11-Aug-16	0%
T001 - Drift 2					
SHT2123-120	T002 - Drift 2 - Excavation (drill & break) +arch rib & temp support, @ 2d/m cycle, Cum. Total L = 8/15m	15d	12-Aug-16	26-Aug-16	0%
Mined Tunnel Underneath AEL Ch 14+128 to Ch 14+175					
Civil & Structural Works					
SHT MT - ELS WORKS for AEL East Shaft (Shaft 3+Shaft 3A[North Shaft & South Shaft])					
North Shaft (including part of East Shaft)					
Casting Jacking Slab @ T001 (Bay 2)					
A12210-7	SHT AEL North Shaft - Casting of jacking slab (Remaining), 2nd bay	7d	09-Apr-16 A	25-Apr-16 A	100%
Casting Jacking Slab @ T001 (Bay 3)					
A12210-9	SHT AEL North Shaft - Casting of jacking slab, 3rd bay	7d	09-Apr-16 A	25-Apr-16 A	100%
Casting Jacking Slab @ T001 (Bay 4)</					

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	2016																
						May				June				July				August				
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21
T001(1.9.1) - Top Slab/Roof (West Side) Ch318 - Ch386																						
SHT1867-300	SHT C&CT (T1.9.1) - T001 (west) - Top slab/Roof - Fmk,Rebars, Concrete, 57m / 67m	6d	05-Apr-16 A	13-Apr-16 A	100%																	
SHT1867-310	SHT C&CT (T1.9.1)- T001 (west) - Top slab/Roof - Fmk,Rebars, Concrete, 67m / 67m	9d	28-May-16	07-Jun-16	0%																	
T002(1.9.1) - Wall Stem + OHVD (East Side) Ch397 - Ch473																						
SHT1868-90	SHT C&CT (T1.9.1) - T002 (east) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 39m / 76m	8d	28-Mar-16 A	04-May-16 A	100%																	
SHT1868-125	SHT C&CT (T1.9.1) - T002 (east) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 49m / 76m	11d	30-May-16	11-Jun-16	0%																	
SHT1868-160	SHT C&CT (T1.9.1) - T002 (east) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 76m / 76m	8d	13-Jun-16	21-Jun-16	0%																	
T002(1.9.1) - Top Slab/Roof (East Side) Ch397 - Ch473																						
SHT1868-130	SHT C&CT (T1.9.1) - T002 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 39m / 76m	6d	29-Apr-16 A	13-May-16 A	100%																	
SHT1868-135	SHT C&CT (T1.9.1) - T002 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 49m / 76m	6d	10-Jun-16	16-Jun-16	0%																	
SHT1868-165	SHT C&CT (T1.9.1) - T002 (east) - Top slab/Roof - Fmk,Rebars, Concrete, 76m / 76m	6d	20-Jun-16	25-Jun-16	0%																	
T002(1.9.1) - Wall Stem + OHVD (West Side) Ch323 - Ch397																						
SHT1868-450	SHT C&CT (T1.9.1) - T002 (west) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 58m / 74m	8d	08-Mar-16 A	23-Apr-16 A	100%																	
SHT1868-460	SHT C&CT (T1.9.1) - T002 (west) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 68m / 74m	8d	14-May-16 A	28-May-16	25%																	
SHT1868-470	SHT C&CT (T1.9.1) - T002 (west) - Wall Stem & OHVD slab - Fmk,Rebars, Concrete, 74m / 74m	7d	28-May-16	04-Jun-16	0%																	
T002(1.9.1) - Top Slab/Roof (West Side) Ch323 - Ch397																						
SHT1868-345	SHT C&CT (T1.9.1) - T002 (west) - Top slab/Roof - Fmk,Rebars, Concrete, 58m / 74m	6d	05-Apr-16 A	05-May-16 A	100%																	
SHT1868-355	SHT C&CT (T1.9.1) - T002 (west) - Top slab/Roof - Fmk,Rebars, Concrete, 68m / 74m	6d	06-Jun-16	13-Jun-16	0%																	
SHT1868-365	SHT C&CT (T1.9.1) - T002 (west) - Top slab/Roof - Fmk,Rebars, Concrete, 74m / 74m	6d	13-Jun-16	18-Jun-16	0%																	
T001 + T002 (1.9.1) - Backfilling																						
SHT1868-495	SHT C&CT (T1.9.1) - Backfilling and strut removal - 1st half	14d	25-Jun-16	12-Jul-16	0%																	
SHT1868-505	SHT C&CT (T1.9.1) - Backfilling and strut removal - 2nd half	14d	13-Jul-16	28-Jul-16	0%																	
ELS - Tunnel SHT- C&CT (T1.12 Ch 14+284 to Ch 14+315)/(Ch 14+257 to Ch 14+322)																						
Pipe Pile Works																						
SHT1850-03	SHT C&CT on new recl.(T1.12) - Pipe pile installation, (6 of 123 nos)	8d	10-Apr-16 A	06-May-16 A	100%																	
SHT1850-04	SHT C&CT on new recl.(T1.12) - Pipe pile installation, (80 of 123 nos)	8d	07-May-16 A	28-May-16	35%																	
SHT1850-15	SHT C&CT on new recl.(T1.12) - Pipe pile installation, (123 of 123 nos)	8d	28-May-16	06-Jun-16	0%																	
PR10 2nd Diversion																						
SHT1926-03	Excavation for temporary diversion (4200/4200m3)	10d	02-Apr-16 A	11-Apr-16 A	100%																	
SHT1926-04	Pipe laying for temporary diversion	8d	12-Apr-16 A	18-Apr-16 A	100%																	
SHT1926-06	PR10 - 2nd Temporary Diversion Complete	0d		18-Apr-16 A	100%																	
Pre-boring for excavation																						
SHT1925-5	SHT C&CT on new recl.(T1.12) - Pre-boring (75 of 344 nos)	14d	18-Apr-16 A	16-May-16 A	100%																	
SHT1925-15	SHT C&CT on new recl.(T1.12) - Pre-boring (150 of 344 nos)	14d	17-May-16 A	04-Jun-16	9%																	
SHT1925-25	SHT C&CT on new recl.(T1.12) - Pre-boring (225 of 344 nos)	14d	06-Jun-16	22-Jun-16	0%																	
SHT1925-35	SHT C&CT on new recl.(T1.12) - Pre-boring (300 of 344 nos)	14d	23-Jun-16	09-Jul-16	0%																	
SHT1925-45	SHT C&CT on new recl.(T1.12) - Pre-boring (344 of 344 nos)	9d	11-Jul-16	20-Jul-16	0%																	
Sheetpile Works																						
SHT1850-35	SHT C&CT on new recl.(T1.12) - Sheetpile installation, (250 of 1000m2)	6d	02-Jul-16	08-Jul-16	0%																	
SHT1850-45	SHT C&CT on new recl.(T1.12) - Sheetpile installation, (500 of 1000m2)	6d	08-Jul-16	14-Jul-16	0%																	
SHT1850-55	SHT C&CT on new recl.(T1.12) - Sheetpile installation, (750 of 1000m2)	6d	14-Jul-16	20-Jul-16	0%																	
SHT1850-65	SHT C&CT on new recl.(T1.12) - Sheetpile installation, (1000 of 1000m2)	6d	20-Jul-16	26-Jul-16	0%																	
Toe Grouting Works																						
SHT1925-03	SHT C&CT on new recl.(T1.12) - Toe grouting works (70 of 228 nos)	8d	11-Jul-16	19-Jul-16	0%																	
SHT1925-04	SHT C&CT on new recl.(T1.12) - Toe grouting works (140 of 228 nos)	8d	20-Jul-16	28-Jul-16	0%																	
SHT1925-05	SHT C&CT on new recl.(T1.12) - Toe grouting works (228 of 228 nos)	8d	29-Jul-16	06-Aug-16	0%																	
ELS - Tunnel SHT- C&CT (T1.9.2 Ch 14+452 to Ch 14+597)/(Ch 14+474 to Ch 14+612)																						
Excavation & Lateral Support (T1.9.2)																						
Bay 1																						
SHT1916-205	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Base slab	18d	04-Apr-16 A	28-Apr-16 A	100%																	
SHT1916-245	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Wall Stem	18d	11-Aug-16	31-Aug-16	0%																	
Bay 2																						
SHT1916-175	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Trimming Pile Head	10d	20-Apr-16 A	30-Apr-16 A	100%																	
SHT1916-215	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Base slab	8d	30-Apr-16 A	25-May-16	72%																	
Bay 3																						
SHT1916-34	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Install S4 walings + lateral support, (Bay3)	10d	01-Mar-16 A	16-May-16 A	100%																	
SHT1916-35	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Excavate to FEL, (Bay3)	10d	10-Mar-16 A	18-May-16 A	100%																	
SHT1916-185	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Trimming Pile Head	14d	18-May-16 A	31-May-16	25%																	
SHT1916-225	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Base slab	18d	26-May-16	16-Jun-16	0%																	
Bay 4																						
SHT1916-115	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Excavate to S3, (Bay4)	10d	17-Jun-16	28-Jun-16	0%																	
SHT1916-125	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Install S3 walings + lateral support, (Bay 4)	10d	21-Jun-16	02-Jul-16	0%																	
SHT1916-135	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 Excavate to S4, (Bay 4)	10d	29-Jun-16	11-Jul-16	0%																	
SHT1916-145	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Install S4 walings + lateral support, (Bay4)	10d	30-Jun-16	12-Jul-16	0%																	
SHT1916-155	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Excavate to FEL, (Bay4)	10d	09-Jul-16	20-Jul-16	0%																	
SHT1916-195	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Trimming Pile Head	14d	21-Jul-16	05-Aug-16	0%																	
SHT1916-235	SHT C&CT on new recl. rem section (T1.9.2) - T001 & T002 - Base slab	18d	06-Aug-16	26-Aug-16	0%																	
ELS - Tunnel SHT- C&CT (T1.9.3 Ch 14+597to Ch 14+727)/(Ch 14+612 to Ch+14+739)																						
Excavation Works																						
Excavation (T1.9.3)																						
SHT1923-2	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (15,500/54,170m3)	15d	02-Mar-16 A	12-May-16 A	100%																	
SHT1923-12	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (21,500/54,170m3)	15d	13-May-16 A	06-Jun-16	25%																	
SHT1923-22	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (27,500/54,170m3)	15d	07-Jun-16	24-Jun-16	0%																	
SHT1923-32	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (33,500/54,170m3)	15d	25-Jun-16	13-Jul-16	0%																	
SHT1923-42	SHT C&CT on new recl. rem. section (T1.9.3) - Excavate to FEL, (39,500/54,170m3)	15d	14-Jul-16	30-Jul-16	0%																	
CCT Works for HAT East w/ Emergency Pedestrian Passage																						
HAT Plant Building and Cut & Cover Tunnel, East Area [303m Approx.]																						
Foundation & Cofferdam (Ch 0+940 to Ch 1+140)																						
Sheet Piling Works																						
HAT1040-208	HAT East C&CT - FSPIII Sheet pile installation (5,400 m2/7,266 m2)	11d	06-Apr-16 A	18-Apr-16 A	100%																	
HAT1040-158	HAT East C&CT - FSPIII Sheet pile installation (7,266 m2/7,266 m2)	11d	28-Jun-16	11-Jul-16	0%																	
Jet Grouting Works																						
HAT1040-88	HAT East C&CT - Jet grouting works (25 nos./25 nos.)	8d	03-Mar-16 A	12-Apr-16 A	100%																	
ELS (Ch 0+768 to Ch 0+940)																						
HAT3320-11	HAT East C&CT - ELS works - 7200m3 / 52865m3	12d	08-Apr-16 A	21-Apr-16 A	100%																	
HAT3320-21	HAT East C&CT - ELS works - 10800m3 / 52865m3	12d	22-Apr-16 A	05-May-16 A	100%																	
HAT3320-31	HAT East C&CT - ELS works - 14400m3 / 52865m3	12d	06-May-16 A	18-May-16 A	100%																	
HAT3320-41	HAT East C&CT - ELS works - 18000m3 / 52865m3	15d	19-May-16 A	07-Jun-16	13.5%																	
HAT3320-51	HAT East C&CT - ELS works - 21600m3 / 52865m3	15d	08-Jun-16	22-Jun-16	0%																	
HAT3320-61	HAT East C&CT - ELS works - 25200m3 / 52865m3	15d	23-Jun-16	07-Jul-16	0%																	
HAT3320-71	HAT East C&CT - ELS works - 28800m3 / 52865m3	15d	08-Jul-16	21-Jul-16	0%																	
HAT3320-81	HAT East C&CT - ELS works - 32400m3 / 52865m3	15d	22-Jul-16	04-Aug-16	0%																	
HAT3320-91	HAT East C&CT - ELS works - 36000m3 / 52865m3	15d	05-Aug-16	18-Aug-16	0%																	
ELS (Ch 0+940 to Ch 1+140)																						
HAT1040-318	HAT East C&CT - Wells installation	12d	12-Jul-16	25-Jul-16	0%																	
HAT1040-338	HAT East C&CT - Pumping test	12d	26-Jul-16	06-Aug-16	0%																	
HAT3330	HAT East C&CT - Start ELS works	0d		06-Aug-16	0%																	
Box Culvert Extension to outfall PR14 (457m Approx.)																						
Box Culvert Extension to outfall PR14 (South Area, Bay S1 to S22)																						
BC1110-61	PR14 South Area - Base Slab (Excavation), 13/22 bays	10d	08-Dec-15 A	28-Apr-16 A	100%																	
BC1110-1	PR14 South Area - Base Slab (formwork, rebars, concrete), 3/22 bays	12d	19-Apr-16 A	02-May-16 A	100%																	
BC1110-91	PR14 South Area - Base Slab (Excavation), 15/22 bays	10d	29-Apr-16 A	28-May-16	50%																	
BC1110-4	PR14 South Area - Base Slab (formwork, rebars, concrete), 6/22 bays	12d	02-May-16 A	09-May-16 A	100%																	
BC1110-2	PR14 South Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 3/22 bays	15d	06-May-16 A	01-Jun-16	33%																	
BC1110-31	PR14 South Area - Base Slab (formwork, rebars, concrete), 9/22 bays	12d	10-May-16 A	24-May-16	66%																	
BC1110-151	PR14 South Area - Base Slab (Excavation), 18/22 bays	10d	30-May-16	07-Jun-16	0%																	

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	2016																
						May			June				July				August					
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21
Pile Caps																						
HMA1060-1198	HMAHyD Workshop & Stores - Pile caps - Backfilling with compaction to F.L.@approx. 4.7mPD	7d	03-Jun-16	11-Jun-16	0%																	
HMA1060-176	Petrol Filling Stn. & Attendance Ofc. - Pile caps - Excavation, blinding layer, pile head treatment, 13/13 nos.	10d	11-Jun-16	22-Jun-16	0%																	
Ground Slab																						
HMA1060-226	Petrol Filling Stn. & Attendance Ofc. - Ground slab (formworks, rebars, cast-in items, concrete), 1st half	9d	23-Jun-16	04-Jul-16	0%																	
HMA1060-236	Petrol Filling Stn. & Attendance Ofc. - Ground slab (formworks, rebars, cast-in items, concrete), 2nd half	9d	05-Jul-16	14-Jul-16	0%																	
Column																						
HMA1060-1258	Petrol Filling Stn. & Attendance Ofc. - Column (formworks, rebars, cast-in items, concrete), 1st half	12d	15-Jul-16	28-Jul-16	0%																	
HMA1060-1268	Petrol Filling Stn. & Attendance Ofc. - Column (formworks, rebars, cast-in items, concrete), 2nd half	12d	29-Jul-16	11-Aug-16	0%																	
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)																						
Surcharge																						
RSC1055-4	Middle Area - Remove surcharge [Sub-zones 8-1 & 8-2]. (+compaction to 5.5mPD), 1st half	12d	16-Dec-15 A	02-Jun-16	60%																	
RSC1069-53	Middle Area - Remove surcharge [Sub-zone 10A - PR09 Area]. (+ compaction to 5.5mPD), 2nd half	12d	07-Mar-16 A	20-Apr-16 A	100%																	
RSC1069-50	Middle Area - Remove surcharge [Sub-zone 4C]. (+compaction to 5.5mPD), 1st half	12d	22-Apr-16 A	25-May-16	0%																	
RSC1069-51	Middle Area - Remove surcharge [Sub-zone 4C]. (+compaction to 5.5mPD), 2nd half	12d	25-May-16	08-Jun-16	0%																	
RSC1055-5	Middle Area - Remove surcharge [Sub-zones 8-1 & 8-2], (+compaction to 5.5mPD), 2nd half	12d	03-Jun-16	17-Jun-16	0%																	
RSC1069-101	Middle Area - Remove surcharge [Sub-zone 9-1]. (+ compaction to 5.5mPD), 1st half	12d	08-Jun-16*	23-Jun-16	0%																	
RSC1069-111	Middle Area - Remove surcharge [Sub-zone 9-1]. (+ compaction to 5.5mPD), 2nd half	12d	23-Jun-16	08-Jul-16	0%																	
RSC1054-5	Middle Area - Remove surcharge [Sub-zone 9-2]. (+ compaction to 5.5mPD), 1st half	12d	08-Jul-16	22-Jul-16	0%																	
RSC1054-6	Middle Area - Remove surcharge [Sub-zone 9-2]. (+ compaction to 5.5mPD), 2nd half	12d	22-Jul-16	05-Aug-16	0%																	
Area 2: Investigation and Remedial Works - SWCH 1+050 to SWCH 1+280 (230m)																						
Surcharge																						
A1730	Middle Area Remedial Works - Zone C - Surcharge Loading, (4th month / 10 months)	30d	17-Mar-16 A	18-Apr-16 A	100%																	
A1740	Middle Area Remedial Works - Zone C - Surcharge Loading, (5th month / 10 months)	30d	19-Apr-16 A	18-May-16 A	100%																	
A1750	Middle Area Remedial Works - Zone C - Surcharge Loading, (6th month / 10 months)	30d	19-May-16 A	18-Jun-16	3%																	
A1760	Middle Area Remedial Works - Zone C - Surcharge Loading, (7th month / 10 months)	30d	08-Jun-16	18-Jul-16	0%																	
A1800	Middle Area Remedial Works - Remove Surcharge (except Zone C), 1st half	15d	08-Jun-16	23-Jul-16	0%																	
A1770	Middle Area Remedial Works - Zone C - Surcharge Loading, (8th month / 10 months)	30d	18-Jul-16	17-Aug-16	0%																	
A1810	Middle Area Remedial Works - Remove Surcharge (except Zone C), 2nd half	15d	23-Jul-16	07-Aug-16	0%																	
A1780	Middle Area Remedial Works - Zone C - Surcharge Loading, (9th month / 10 months)	30d	17-Aug-16	16-Sep-16	0%																	
Shear Pin Installation																						
A237784	Shear Pin Installation - 21/42 nos	15d	18-Mar-16 A	20-Apr-16 A	100%																	
A237754	Shear Pin Installation - 42/42 nos	15d	20-Apr-16 A	07-Jun-16	81%																	
Works in HAT Tunnel (Mined Tunnel and West CCT w/ Emergency Pedestrian Passage																						
CCT for HAT across Airport Road [200m Approx.]																						
Civil & Structural Works																						
ELS - HAT West CCT, Ch. 0+270 to Ch. 0+560																						
ELS - Zone C (Ch. 0+470 to Ch. 0+394)																						
Ch. 0+490 to Ch. 0+478, L=12.0m																						
HAT1611-81	HAT West C&CT (Zone C) - Excavation to FEL, 3rd Stage (2160m3/2,160m3)	15d	03-Feb-16 A	15-Apr-16 A	100%																	
Ch. 0+442 to Ch. 0+430, L=12.0m																						
HAT1611-431	HAT West C&CT (Zone C) - Excavation to FEL, 3rd Stage (1,440m3/1,440m3)	15d	04-Apr-16 A	05-May-16 A	100%																	
Ch. 0+430 to Ch. 0+418, L=12.0m																						
HAT1611-321	HAT West C&CT (Zone C) - Installation of Waling and Strut L1 & L2	7d	20-Feb-16 A	27-May-16	0%																	
HAT1611-331	HAT West C&CT (Zone C) - Excavation for Waling and Strut L2	7d	01-Apr-16 A	15-Apr-16 A	100%																	
HAT1611-351	HAT West C&CT (Zone C) - Excavation to FEL, 1st Stage (440m3/1,320m3)	8d	15-Apr-16 A	19-Apr-16 A	100%																	
HAT1611-441	HAT West C&CT (Zone C) - Excavation to FEL, 2nd Stage (880m3/1,320m3)	8d	20-Apr-16 A	28-May-16	10%																	
HAT1611-451	HAT West C&CT (Zone C) - Excavation to FEL, 3rd Stage (1,320m3/1,320m3)	10d	30-May-16	10-Jun-16	10%																	
Ch. 0+418 to Ch. 0+406, L=12.0m																						
HAT1611-461	HAT West C&CT (Zone C) - Excavation for Waling and Strut L1	5d	02-Jun-16	07-Jun-16	0%																	
HAT1611-471	HAT West C&CT (Zone C) - Installation of Waling and Strut L1	7d	08-Jun-16	16-Jun-16	0%																	
HAT1611-481	HAT West C&CT (Zone C) - Excavation for Waling and Strut L2	6d	17-Jun-16	23-Jun-16	0%																	
HAT1611-491	HAT West C&CT (Zone C) - Installation of Waling and Strut L2	6d	23-Jun-16	29-Jun-16	0%																	
HAT1611-521	HAT West C&CT (Zone C) - Excavation to FEL, 1st Stage (400m3/1,200m3)	7d	29-Jun-16	07-Jul-16	0%																	
HAT1611-531	HAT West C&CT (Zone C) - Excavation to FEL, 2nd Stage (800m3/1,200m3)	7d	08-Jul-16	15-Jul-16	0%																	
HAT1611-501	HAT West C&CT (Zone C) - Excavation to FEL, 3rd Stage (1,200m3/1,200m3)	7d	16-Jul-16	23-Jul-16	0%																	
Ch. 0+406 to Ch. 0+394, L=12.0m																						
HAT1611-541	HAT West C&CT (Zone C) - Excavation for Waling and Strut L1	5d	02-Jun-16	07-Jun-16	0%																	
HAT1611-551	HAT West C&CT (Zone C) - Installation of Waling and Strut L1	7d	08-Jun-16	16-Jun-16	0%																	
HAT1611-561	HAT West C&CT (Zone C) - Excavation for Waling and Strut L2	6d	17-Jun-16	23-Jun-16	0%																	
HAT1611-571	HAT West C&CT (Zone C) - Installation of Waling and Strut L2	6d	24-Jun-16	30-Jun-16	0%																	
HAT1611-581	HAT West C&CT (Zone C) - Excavation to FEL, 1st Stage (360m3/1,080m3)	6d	02-Jul-16	08-Jul-16	0%																	
HAT1611-591	HAT West C&CT (Zone C) - Excavation to FEL, 1st Stage (720m3/1,080m3)	6d	09-Jul-16	15-Jul-16	0%																	
HAT1611-601	HAT West C&CT (Zone C) - Excavation to FEL, 1st Stage (1,080m3/1,080m3)	6d	16-Jul-16	22-Jul-16	0%																	
ELS - Zone D																						
HAT1611-621	HAT MT (Zone D) - Installation of Waling and Strut L1	12d	04-Feb-16 A	13-May-16 A	100%																	
HAT1611-641	HAT MT (Zone D) - Excavation (4,500/8,966m3)	12d	11-Mar-16 A	02-May-16 A	100%																	
HAT1611-651	HAT MT (Zone D) - Installation of Waling and Strut L2	12d	12-Mar-16 A	13-May-16 A	100%																	
HAT1611-661	HAT MT (Zone D) - Excavation (5,800/8,966m3)	12d	13-May-16 A	19-May-16 A	100%																	
HAT1611-671	HAT MT (Zone D) - Excavation (6,500/8,966m3)	12d	20-May-16 A	02-Jun-16	2%																	
HAT1611-681	HAT MT (Zone D) - Excavation (7,500/8,966m3)	12d	02-Jun-16	17-Jun-16	0%																	
HAT1611-701	HAT MT (Zone D) - Preparation for pipe roofing installation	3d	08-Jun-16	13-Jun-16	0%																	
HAT1611-711	HAT MT (Zone D) - pipe roofing installation 20/53nos.	14d	13-Jun-16	29-Jun-16	0%																	
HAT1611-691	HAT MT (Zone D) - Excavation (8,996/8,966m3)	12d	17-Jun-16	02-Jul-16	0%																	
HAT1611-721	HAT MT (Zone D) - pipe roofing installation 40/53nos.	14d	28-Jun-16	15-Jul-16	0%																	
HAT1611-731	HAT MT (Zone D) - pipe roofing installation 53/53nos.	8d	15-Jul-16	27-Jul-16	0%																	
RC Works- HAT West CCT, Ch 0+270 to Ch 0+560																						
RC Works - Zone C (Ch 0+470 to Ch 0+394)																						
Ch. 0+490 to Ch. 0+478, L=12.0m																						
HAT1612-1	HAT West C&CT (Zone C) - Base Slab - Waterproofing, formworks, rebars, concrete	8d	27-Jul-16	05-Aug-16	0%																	
HAT1612-2	HAT West C&CT (Zone C) - Wall & Roof - Formworks, rebars, concrete	12d	05-Aug-16	19-Aug-16	0%																	
HAT1612-3	HAT West C&CT (Zone C) - Wall & Roof - Removal of formworks, waterproofing, backfilling works	5d	19-Aug-16	25-Aug-16	0%																	
Ch. 0+478 to Ch. 0+466, L=12.0m																						
HAT1612-4	HAT West C&CT (Zone C) - Base Slab - Waterproofing, formworks, rebars, concrete	8d	05-Aug-16	15-Aug-16	0%																	
HAT1612-5	HAT West C&CT (Zone C) - Wall & Roof - Formworks, rebars, concrete	12d	15-Aug-16	29-Aug-16	0%																	
Ch. 0+466 to Ch. 0+454, L=12.0m																						
HAT1612-7	HAT West C&CT (Zone C) - Base Slab - Waterproofing, formworks, rebars, concrete	8d	15-Aug-16	24-Aug-16	0%																	
Mined Tunnel for HAT underneath AEL & at East Coast Road [198m-Drill & Break](Ch 0+557 to Ch 0+756]																						
HAT Mined Tunnel Works																						
Installation of ADMS																						
HAT3340	HAT MT - Implement TTA and Installation of ADMS	9d	20-May-16*	28-May-16	0%																	
HAT3350	HAT MT - ADMS T&C	7d	29-May-16	04-Jun-16	0%																	
Drive from Shaft 4: HAT Tunnel Excavation - Heading(1st half & 2nd half)																						
HAT2015-32	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 104m/166m	15d	01-Apr-16 A	15-Apr-16 A	100%																	
HAT2015-33	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 108m/166m	15d	16-Apr-16 A	04-May-16 A	100%																	
HAT2015-43	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 113m/166m	15d	05-May-16 A	19-May-16 A	100%																	
HAT2015-53	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 118m/166m	16d	20-May-16 A	04-Jun-16	10%																	
HAT2015-72	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 122m/166m	16d	04-Jun-16	19-Jun-16	0%																	
HAT2015-82	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 126m/166m	16d	20-Jun-16	05-Jul-16	0%																	
HAT2015-92	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 130m/166m	16d	06-Jul-16	21-Jul-16	0%																	
HAT2015-102	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 136m/166m	16d	22-Jul-16	06-Aug-16	0%																	
HAT2015-112	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 140m/166m	16d	07-Aug-16	22-Aug-16	0%																	
Drive from Shaft 4: HAT Tunnel Excavation - Bench(1st half & 2nd half)																						
HAT3380	HAT MT bench - Excavation (drill&break), next 6m, Total L = 60m - RHS	11d	27-Jul-16	06-Aug-16	0%																	
HAT3390	HAT MT bench - Excavation (drill&break), next 6m, Total L = 66m - RHS	11d	07-Aug-16	17-Aug-16	0%																	
HAT3400	HAT MT bench - Excavation (drill&break), next 6m, Total L = 72m - 1st half	11d	18-Aug-16	28-Aug-16	0%																	
2nd Half Bench																						
HAT3590	HAT MT bench - Excavation (drill&break), next 6m, Total L = 18m - LHS half	11d	08-Apr-16 A	13-Apr-16 A	100%																	
HAT3600	HAT MT bench - Excavation (drill&break), next 6m, Total L = 24m - LHS half	11d	14-Apr-16 A	30-Apr-16 A	100%																	
HAT3610	HAT MT bench - Excavation (drill&break), next 6m, Total L = 30m - LHS half	11d	30-Apr-16 A	11-May-16 A	100%																	
HAT3620	HAT MT bench - Excavation (drill&break), next 6m, Total L = 36m - LHS half	11d	12-May-16 A	21-May-16	80%																	
HAT3630	HAT MT bench - Excavation (drill&break), next 6m, Total L = 42m - LHS half	11d	22-May-16	01-Jun-16	0%																	

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	2016																			
						May			June				July				August								
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21			
	HAT3640 HAT MT bench - Excavation (drill&break), next 6m, Total L = 48m - LHS half	11d	02-Jun-16	12-Jun-16	0%																				
	HAT3650 HAT MT bench - Excavation (drill&break), next 6m, Total L = 54m - LHS half	11d	13-Jun-16	23-Jun-16	0%																				
	HAT3660 HAT MT bench - Excavation (drill&break), next 6m, Total L = 60m - LHS half	11d	24-Jun-16	04-Jul-16	0%																				
	HAT3670 HAT MT bench - Excavation (drill&break), next 6m, Total L = 66m - LHS half	11d	05-Jul-16	15-Jul-16	0%																				
	HAT3680 HAT MT bench - Excavation (drill&break), next 6m, Total L = 72m - LHS half	11d	16-Jul-16	26-Jul-16	0%																				
Box Culvert Extension to Outfall PR9 & PR14																									
Box Culvert Ext. to New Outfall PR14 (North Area, Bay N1 to N-13)																									
BC1160-9	PR14 North Area - Base Slab (Excavation), 8/13 bays	15d	24-Nov-15 A	03-Jun-16	18%																				
BC1160-3	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 3/13 bays	15d	29-Jan-16 A	06-Jun-16	30%																				
BC1160-13	PR14 North Area - Base Slab (Excavation), 11/13 bays	12d	04-Jun-16	18-Jun-16	0%																				
BC1160-6	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 5/13 bays	14d	07-Jun-16	23-Jun-16	0%																				
BC1160-26	PR14 North Area - Base Slab (Excavation), 13/13 bays	10d	20-Jun-16	30-Jun-16	0%																				
BC1160-7	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 5/13 bays	15d	24-Jun-16	12-Jul-16	0%																				
BC1160-10	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 8/13 bays	15d	13-Jul-16	29-Jul-16	0%																				
BC1160-11	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 8/13 bays	15d	30-Jul-16	16-Aug-16	0%																				
BC1160-14	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 11/13 bays	12d	17-Aug-16	30-Aug-16	0%																				
Box Culvert Ext. to New Outfall PR14 (North Area, Bay C1 to C7)																									
BC1300	PR14 North Area - Commence PR14 Extension @ Bay C1 to C7	0d	30-Jun-16		0%																				
BC1160-226	PR14 Bay C1 to C7 - Sheepile - Sheetpile C2- C7	14d	30-Jun-16	20-Jul-16	0%																				
BC1160-156	PR14 North Area - Base Slab (Excavation), 3/13 bays	15d	02-Jul-16*	19-Jul-16	0%																				
BC1160-166	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 3/13 bays	15d	20-Jul-16	05-Aug-16	0%																				
BC1160-186	PR14 North Area - Base Slab (Excavation), 5/13 bays	15d	20-Jul-16	05-Aug-16	0%																				
BC1160-176	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 3/13 bays	15d	06-Aug-16	23-Aug-16	0%																				
BC1160-196	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 5/13 bays	14d	06-Aug-16	22-Aug-16	0%																				
BC1160-66	PR14 North Area - Base Slab (Excavation), 8/13 bays	15d	09-Aug-16	25-Aug-16	0%																				
Box Culvert Ext. to New Outfall PR9 (75m Approx.)																									
Temporary Drainage Diversion and Relocation of Spill Trap(Bay 1)																									
Stage 3 - Construction of Cell 1 & Cell 2 / Cell 3 & Cell 4																									
BC1200-147	Box Culvert extg [middle area/north Bridge A1] - RC works, Wall (formworks, rebar, concrete)	12d	08-Mar-16 A	11-Apr-16 A	100%																				
BC1200-137	Box Culvert extg [middle area/north Bridge A1] - RC works Top slab (formworks, rebar, concrete)	12d	12-Apr-16 A	10-May-16 A	100%																				
Stage 4 - Reinstatement																									
BC1200-44	Box Culvert extg [middle area/north Bridge A1] - 2nd temp. diversion	12d	10-May-16 A	23-May-16	75%																				
BC1200-207	Box Culvert extg [middle area/north Bridge A1] - Site clearance	12d	24-May-16	06-Jun-16	0%																				
BC1200-217	Box Culvert extg [middle area/north Bridge A1] - Backfilling and reinstatement work	12d	07-Jun-16	21-Jun-16	0%																				
PR09 Extension																									
Sheetpile																									
BC1200-167	Box Culvert PR9 extg - Sheetpile (1,500m2/5,950m2)	14d	19-Apr-16 A	06-May-16 A	100%																				
BC1200-177	Box Culvert PR9 extg - Sheetpile (3,000m2/5,950m2)	14d	07-May-16 A	28-May-16	63%																				
BC1200-187	Box Culvert PR9 extg - Sheetpile (4,500m2/5,950m2)	14d	30-May-16	15-Jun-16	0%																				
BC1200-197	Box Culvert PR9 extg - Sheetpile (5,950m2/5,950m2)	14d	16-Jun-16	02-Jul-16	0%																				
ELS																									
BC1200-227	Box Culvert PR9 extg - ELS (1,500m2/9,000m2)	12d	04-Jul-16	16-Jul-16	0%																				
BC1200-237	Box Culvert PR9 extg - ELS (3,000m2/9,000m2)	12d	18-Jul-16	30-Jul-16	0%																				
BC1200-247	Box Culvert PR9 extg - ELS (4,500m2/9,000m2)	12d	01-Aug-16	13-Aug-16	0%																				
BC1200-257	Box Culvert PR9 extg - ELS (6,000m2/9,000m2)	12d	15-Aug-16	27-Aug-16	0%																				
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)																									
Seawall Construction (Except Portion C & D) CH 1+400 to CH 1+850)																									
SWCH 1+700 to SWCH 1+750																									
RSC1140	North Area(except Portion C&D)- Seawall, Trimming & Laying Geotextile along seawall line	16d	01-Apr-16 A	15-Apr-16 A	100%																				
Reclamation SWCH 1+400 to 1+500 (Area10-2 - after PR9 2nd Temp. diversion)																									
RSC1070-350	North Area(except Portion C&D)- Sandfilling +2.5mPD	15d	09-May-16 A	06-Jun-16	30%																				
RSC1070-360	North Area(except Portion C&D)- Remaining Band Drain Installation	15d	07-Jun-16	24-Jun-16	0%																				
RSC1070-370	North Area(except Portion C&D) - Filling to formation level (+5.5mPD)	15d	25-Jun-16	09-Jul-16	0%																				
Reclamation SWCH 1+500 to 1+590 (Except PR09 Temp. Diversion Area)																									
RSC1070-95	North Area(except Portion C&D) - Remove surcharge + compaction (sub-zone 10-1, except PR9 Temp. diversion)	12d	11-Jun-16*	24-Jun-16	0%																				
RSC1070-105	North Area(except Portion C&D) - Remove toe loading (sub-zone 10-1, except PR9 Temp. diversion)	15d	25-Jun-16	13-Jul-16	0%																				
Reclamation SWCH 1+590 to 1+830 (including Approach Lights Area)																									
Reclamation SWCH 1+590 to 1+750 (Approach Lights Area - Area 2)																									
RSC1070-6	North Area(except Portion C&D) - Surcharge loading period (Approach lights area), 1st month	30d	07-Apr-16 A	05-Jun-16	43%																				
RSC1070-7	North Area(except Portion C&D) - Surcharge loading period (Approach lights area), 2nd month	30d	06-Jun-16	05-Jul-16	0%																				
RSC1070-8	North Area(except Portion C&D) - Surcharge loading period (Approach lights area), 3rd month	30d	06-Jul-16	04-Aug-16	0%																				
RSC1070-9	North Area(except Portion C&D) - Surcharge loading period (Approach lights area), 4th month	30d	05-Aug-16	03-Sep-16	0%																				
Reclamation SWCH 1+750 to 1+830 (North Remaining Area)																									
RSC1070-135	North Area(except Portion C&D) - Surcharge removal (sub-zone 11-1), 2nd half	15d	09-Mar-16 A	27-Apr-16 A	100%																				
RSC1070-290	North Area(except Portion C&D) - Surcharge loading period (sub-zone 11-2) 4th month	30d	18-Mar-16 A	18-Apr-16 A	100%																				
RSC1070-250	North Area(except Portion C&D) - Surcharge removal (sub-zone 11-2-adjacent to approach lights area)	10d	28-Apr-16 A	30-May-16	10%																				
"Zone D" - Portion C & D1 From SWCH1+830 to SWCH 2+070																									
Seawall Construction (Portion C and D1) CH 1+850 to CH 2+020 - 170m																									
Seawall 2nd Layer/Final Layer																									
RSC1153	Placing under layer rock from +3.5mPD to top	7d	04-Jun-16	13-Jun-16	0%																				
RSC1154	Placing armour rock from +3.5mPD to top	15d	07-Jun-16	24-Jun-16	0%																				
RSC1155	Lay geotextile Type 1 from +3.5mPD to top	15d	17-Jun-16	05-Jul-16	0%																				
RSC1156	Fill the gap between seawall and reclamation	15d	27-Jun-16	14-Jul-16	0%																				
Surcharge																									
RSC1157	North area Portion C - Surcharge removal [sub-zone 13], 2nd half	15d	08-Apr-16 A	27-May-16	30%																				
Portion D1																									
Retaining Structure (RA2 - RA6)																									
RA1070	RA3 - Wall Stem (Formwork, Rebar and concreting)	7d	14-Jun-16	20-Jun-16	0%																				
RA1090	RA2 - Wall Stem (Formwork, Rebar and concreting)	7d	21-Jun-16	27-Jun-16	0%																				
RA1010	RA5 - Wall Stem (Formwork, Rebar and concreting)	7d	28-Jun-16	04-Jul-16	0%																				
RA1050	RA4 - Wall Stem (Formwork, Rebar and concreting)	7d	05-Jul-16	11-Jul-16	0%																				
RA1030	RA6 - Wall Stem (Formwork, Rebar and concreting)	7d	20-Jul-16	26-Jul-16	0%																				
Retaining Structure (RB2 - RB6)																									
RB1070	RB3 - Wall Stem (Formwork, Rebar and concreting)	7d	28-Jun-16	04-Jul-16	0%																				
RB1090	RB2 - Wall Stem (Formwork, Rebar and concreting)	7d	05-Jul-16	11-Jul-16	0%																				
RB1030	RB5 - Wall Stem (Formwork, Rebar and concreting)	4d	18-Jul-16	21-Jul-16	0%																				
RB1050	RB4 - Wall Stem (Formwork, Rebar and concreting)	7d	22-Jul-16	28-Jul-16	0%																				
RB1010	RB6 - Wall Stem (Formwork, Rebar and concreting)	7d	05-Aug-16	11-Aug-16	0%																				
Retaining Structure (R1 & R7)																									
RA2010	R1 - RA side - Wall Stem (Formwork, Rebar and concreting)	7d	07-Jun-16	13-Jun-16	0%																				
RA2040	R1 - RB side - Wall Stem (Formwork, Rebar and concreting)	7d	21-Jun-16	27-Jun-16	0%																				
RA2030	R7 - RA side - Wall Stem (Formwork, Rebar and concreting)	7d	12-Jul-16	19-Jul-16	0%																				
RA2050	R7 - RB side - Wall Stem (Formwork, Rebar and concreting)	7d	29-Jul-16	04-Aug-16	0%																				
Retaining Structure (HB1 - HB4)																									
Retaining Structure (HB1 - HB4)																									
RA2340																									

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	2016																							
						May				June				July				August											
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21							
MAS2045	Maint. Access Subway Ramp A, Bay - Waterproofing	14d	20-May-16	04-Jun-16	0%	Maint. Access Subway Ramp A, Bay - Waterproofing																							
MAS2055	Maint. Access Subway Ramp A, Bay - Backfilling	11d	23-Jun-16	06-Jul-16	0%	Maint. Access Subway Ramp A, Bay - Backfilling																							
Ramp B																													
MAS2065	Maint. Access Subway Ramp B, Bay - Waterproofing	14d	20-May-16	04-Jun-16	0%	Maint. Access Subway Ramp B, Bay - Waterproofing																							
MAS2075	Maint. Access Subway Ramp B, Bay - Backfilling	11d	23-Jun-16	06-Jul-16	0%	Maint. Access Subway Ramp B, Bay - Backfilling																							
T001 / T002 ON GRADE ROADWORKS (Works under Section 1)																													
TCSS & E&M																													
CLP cable laying (by CLP)																													
BA2.1205-335	CLP - excavation and cable laying Site Area 1 (160m)	0d	04-May-16 A		100%	◆																							
BA2.1205-505	CLP - excavation and cable laying Site Area 3 (300m)	0d	27-May-16*		0%	◆																							
BA2.1205-515	CLP - excavation and cable laying Site Area 4 (300m)	0d	30-May-16*		0%	◆																							
BA2.1205-525	CLP - excavation and cable laying Site Area 5 (200m)	0d	04-Jun-16*		0%	◆																							
BA2.1205-495	CLP - excavation and cable laying Site Area 2 (100m)	0d	15-Jun-16*		0%																								
BA2.1205-535	CLP - excavation and cable laying Site Area 6 (300m)	0d	23-Jun-16*		0%	◆																							
BA2.1205-605	CLP - excavation and cable laying Site Area 3 (remaining 80m)	0d	15-Jul-16*		0%	◆																							
BA2.1205-615	CLP - excavation and cable laying Site Area 5 (remaining 130m)	0d	15-Jul-16*		0%	◆																							
Interface w/ HY2010/02-16+045 to 16+223.24																													
A23730	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Delivery of sheet piles & mobilization work	15d	10-Aug-15 A	06-Jun-16	30%	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Delivery of sheet piles & mobilization work																							
A237301	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 1	16d	07-Jun-16	25-Jun-16	0%	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 1																							
A237302	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 2	16d	27-Jun-16	15-Jul-16	0%	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 2																							
A237401	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 3	15d	16-Jul-16	02-Aug-16	0%	LR SH-HKBCF [north area-Portion C] - Temporary work for Pump Sump P/S SPS7, Sheet piles installation, Stage 3																							
A237402	LR SH-HKBCF [north area-Portion C] - Excavation for Pump Sump P/S SPS7, 1st Stage	15d	03-Aug-16	19-Aug-16	0%	LR SH-HKBCF [north area-Portion C] - Excavation for Pump Sump P/S SPS7, 1st Stage																							
A237403	LR SH-HKBCF [north area-Portion C] - Excavation for Pump Sump P/S SPS7, 2nd Stage	15d	20-Aug-16	06-Sep-16	0%	LR SH-HKBCF [north area-Portion C] - Excavation for Pump Sump P/S SPS7, 2nd Stage																							
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- Foundation & Pier B1, B2																													
BA2.1200-34	Bridge A2 Piers - Prebored h-piles Pile Cap, B1 & B2 - Excavation, pile trimming and guide plate welding	12d	05-Mar-16 A	20-Apr-16 A	100%	■																							
BA2.1200-54	Bridge A2 Piers - Prebored h-piles Pile Cap, B1 - Fwk, Rebar and Concreting	8d	20-Apr-16 A	05-May-16 A	100%	■																							
BA2.1200-64	Bridge A2 Piers - Prebored h-piles Pile Cap, B2 - Fwk, Rebar and Concreting	8d	20-Apr-16 A	29-Apr-16 A	100%	■																							
BA2.1200-84	Bridge A2 Piers - Prebored h-piles Pile Cap, B2 - Backfilling	7d	30-Apr-16 A	25-May-16	20%	■																							
BA2.1200-74	Bridge A2 Piers - Prebored h-piles Pile Cap, B1 - Backfilling	7d	06-May-16 A	26-May-16	15%	■																							
BA2.1200-204	Bridge A2 Piers - Prebored h-piles Pile Cap, B2 - Diameter Pier B1 Fwk, Rebar and Concreting (1st lift)	12d	26-May-16	08-Jun-16	0%	■																							
BA2.1200-184	Bridge A2 Piers - Prebored h-piles Pile Cap, B1 - Diameter Pier B1 Fwk, Rebar and Concreting (1st lift)	12d	27-May-16	10-Jun-16	0%	■																							
BA2.1200-214	Bridge A2 Piers - Prebored h-piles Pile Cap, B2 - Diameter Pier B1 Fwk, Rebar and Concreting (2nd lift)	12d	10-Jun-16	23-Jun-16	0%	■																							
BA2.1200-194	Bridge A2 Piers - Prebored h-piles Pile Cap, B1 - Diameter Pier B1 Fwk, Rebar and Concreting (2nd lift)	12d	11-Jun-16	24-Jun-16	0%	■																							
BA2- Bridge Deck																													
Span B2-B3																													
BA2.1830-138	Bridge A2 - Construct Bridge deck, span B2-B3 (Base) Falsework	4d	24-Jun-16	28-Jun-16	0%	■																							
BA2.1830-118	Bridge A2 - Construct Bridge deck, span B2-B3 (Base) Formwork	7d	28-Jun-16	06-Jul-16	0%	■																							
BA2.1830-128	Bridge A2 - Construct Bridge deck, span B2-B3 (Base) Steel bar + Concreting	7d	07-Jul-16	14-Jul-16	0%	■																							
BA2.1830-168	Bridge A2 - Construct Bridge deck, span B2-B3 - (Top+Web) Falsework	3d	12-Jul-16	14-Jul-16	0%	■																							
BA2.1830-148	Bridge A2 - Construct Bridge deck, span B2-B3 (Top+Web) Formwork	4d	15-Jul-16	19-Jul-16	0%	■																							
BA2.1830-158	Bridge A2 - Construct Bridge deck, span B2-B3 (Top+Web) Steel bar + Concreting	4d	19-Jul-16	22-Jul-16	0%	■																							
BA2.1830-108	Bridge A2 - Stressing Works, span B2-B3	6d	01-Aug-16	06-Aug-16	0%	■																							
BA2- South Abutment and Ramp																													
BA2.1205-565	Bridge A2 South Abut - Finishing work for proposed staircase	12d	29-Apr-16 A	15-Jun-16	50%	■																							
BA2.1205-345	Bridge A2 South Abut - AA approval for Demolish extg bridge staircase	0d	16-Jun-16		0%	■																							
BA2.1205-555	Bridge A2 South Abut - Preparation work for demolish extg bridge staircase	7d	16-Jun-16	23-Jun-16	0%	■																							
BA2.1205-365	Bridge A2 South Abut - Demolish extg bridge staircase	14d	24-Jun-16	11-Jul-16	0%	■																							
BA2.1205-405	Bridge A2 South Abut - U- Trough Ramp Ch049 - Ch056 - Base Slab	12d	12-Jul-16	25-Jul-16	0%	■																							
BA2.1205-375	Bridge A2 South Abut - Retaining Wall Panel1- Base Slab	8d	26-Jul-16	03-Aug-16	0%	■																							
BA2.1205-475	Bridge A2 South Abut - U- Trough Ramp Ch049 - Ch056 - Wall Stem	14d	26-Jul-16	10-Aug-16	0%	■																							
BA2.1205-415	Bridge A2 South Abut - Retaining Wall Panel 1 - Well Stem	10d	04-Aug-16	15-Aug-16	0%	■																							
BA2.1205-435	Bridge A2 South Abut - Retaining Wall Panel2- Base Slab	8d	04-Aug-16	12-Aug-16	0%	■																							
BA2.1205-455	Bridge A2 South Abut - Retaining Wall Panel3- Base Slab	8d	13-Aug-16	22-Aug-16	0%	■																							
BA2.1205-445	Bridge A2 South Abut - Retaining Wall Panel2- Well Stem	10d	16-Aug-16	26-Aug-16	0%	■																							
BA2- North Abutment and Ramp																													
North Abutment																													
BA2.1205-225	Bridge A2 North Abut - Excavation, blinding layer	24d	19-Mar-16 A	14-May-16 A	100%	■																							
BA2.1205-245	Bridge A2 North Abut - Pad Footing	15d	16-May-16 A	06-Jun-16	15%	■																							
BA2.1205-255	Bridge A2 North Abut - Abutment Wall Stem, 1st lift (Falsework, platform, fwk)	15d	07-Jun-16	24-Jun-16	0%	■																							
BA2.1205-545	Bridge A2 North Abut - Abutment Wall Stem, 1st lift (fwk, rebar concreting)	15d	25-Jun-16	13-Jul-16	0%	■																							
BA2.1205-235	Bridge A2 North Abut - Abutment Wall Stem, 2nd lift + bearing plinth	21d	14-Jul-16	06-Aug-16	0%	■																							
BA2.1205-265	Bridge A2 North Abut - Wing Wall	60d	08-Aug-16	19-Oct-16	0%	■																							
Bay 1A																													
BA2.1205-585	Bridge A2 Ramp - Excavation, blinding layer	3d	23-May-16	25-May-16	0%	■																							
BA2.1205-595	Bridge A2 Ramp - Base Slab	7d	26-May-16	02-Jun-16	0%	■																							
BA2.1205-575	Bridge A2 Ramp - Wall	8d	03-Jun-16	13-Jun-16	0%	■																							
Bay 1																													
BA2.1205-5	Bridge A2 Ramp - Wall	12d	16-Mar-16 A	18-May-16 A	100%	■																							
Bay 2																													
BA2.1205-35	Bridge A2 Ramp - Wall	12d	03-Aug-16	16-Aug-16	0%	■																							
Bay 4																													
BA2.1205-125	Bridge A2 Ramp - Wall	12d	12-Mar-16 A	25-May-16	50%	■																							
Bay 5																													
BA2.1205-75	Bridge A2 Ramp - Excavation, blinding layer	12d	02-Mar-16 A	11-Apr-16 A	100%	■																							
BA2.1205-85	Bridge A2 Ramp - Base Slab	7d	06-Jun-16	14-Jun-16	0%	■																							
BA2.1205-95	Bridge A2 Ramp - Wall	12d	06-Jul-16	19-Jul-16	0%	■																							
Bay 6																													
BA2.1205-165	Bridge A2 Ramp - Excavation, blinding layer	12d	02-Mar-16 A	11-Apr-16 A	100%	■																							
BA2.1205-175	Bridge A2 Ramp - Base Slab	14d	12-Apr-16 A	04-Jun-16	30%	■																							
BA2.1205-185	Bridge A2 Ramp - Wall	12d	06-Jun-16	20-Jun-16	0%	■																							
Bay 7																													
BA2.1205-205	Bridge A2 Ramp - Base Slab	7d	06-Jun-16	14-Jun-16	0%	■																							
BA2.1205-215	Bridge A2 Ramp - Wall	12d	20-Jul-16	02-Aug-16	0%	■																							
Bay 8																													
BA2.1205-145	Bridge A2 Ramp - Base Slab	14d	09-Apr-16 A	04-Jun-16	25%	■																							
BA2.1205-155	Bridge A2 Ramp - Wall	12d	21-Jun-16	05-Jul-16	0%	■																							
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	14d	20-May-16*	04-Jun-16	0%	■																							
UC1.1115	Permanent Utility diversion - cutting/jointing/switching ATC/CAD cables (by others)	14d	20-May-16*	04-Jun-16	0%	■																							
UC1.1116	Permanent Utility diversion - cutting/jointing/switching ATC/CAD cables complete	0d		04-Jun-16	0%	■																							
UC1.1163	Permanent Utility diversion - telecom cable (by others), Stage 2	16d	06-Jun-16	24-Jun-16	0%	■																							
UC1.1173	Permanent Utility diversion - telecom cable (by others), Stage 3	16d	25-Jun-16	14-Jul-16	0%	■																							
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	15d	20-May-16*	06-Jun-16	0%	■																							
UC2.1059	Permanent Utility Diversion - CAD/ATC cables (by others), Stage 1	10d	20-May-16*	31-May-16	0%	■																							
UC2.10525	Permanent Utility Diversion - sewer main (by CSHK), connection works	7d	20-May-16*	27-May-16	0%	■																							
UC2.10591	Permanent Utility Diversion - CAD/ATC cables (by others), Stage 2	10d	01-Jun-16	13-Jun-16	0%	■																							
UC2.10581	Permanent Utility Diversion - TCSS (by others), Stage 2	15d	07-Jun-16	24-Jun-16	0%	■																							
UC2.10592	Permanent Utility Diversion - CAD/ATC cables (by others), Stage 2	10d	14-Jun-16	24-Jun-16	0%	■																							
UC2.1061	Complete permanent utility diversion of CAD/ATC cables (by others) -30 Nov 2013	0d		24-Jun-16	0%	■																							
UC2.10582	Permanent Utility Diversion - TCSS (by others), Stage 3	15d	25-Jun-16	13-Jul-16	0%	■																							
UC2.105241	Permanent Utility Diversion - TCSS (by others), Stage 4	15d	14-Jul-16	30-Jul-16	0%	■																							
Utility Culvert No. 3 and Permanent Utility Diversion for Stage 3 TTA																													
Permanent Utilities Diversion inside UC3																													
A2690-16	Permanent Utility diversion inside UC3 - AA permit for Freshwater Main (by CSHK), Connection work	5d	20-Apr-16 A	10-Jun-16	0%	■																							
A2680-5	Permanent Utility diversion inside UC3 - Sewage Rising Main (by CSHK), pipe laying - Stage 5	13d	11-Jun-16	25-Jun-16	0%	■																							
A2680-6	Permanent Utility diversion inside UC3 - Sewage Rising Main (by CSHK), air test/pressure test+connection	5d	27-Jun-16	02-Jul-16	0%	■																							
Roadworks to be constructed under Stage 2 TTA																													
M003 Ch 0+400 to 0+800 (Permanent), L=400m																													
A2860-1	200mm dia Watermain utilities [100m]	15d	04-Dec-15 A	26-May-16	30%	■																							
A2860-14	200mm dia Watermain utilities [200m]	15d	27-May-16	14-Jun-16	0%	■																							
A2860-24	200mm dia Watermain utilities [250m] + connection	10d	14-Jun-16	24-Jun-16	0%	■																							

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	2016																							
						May			June			July			August														
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21							
A2870	Road formation, subbase, road base and precast kerbs, road lighting poles - 1st half	18d	25-Jun-16	16-Jul-16	0%																								
A237824	Road formation, subbase, road base and precast kerbs, road lighting poles - 2nd half	18d	18-Jul-16	06-Aug-16	0%																								
A2880	Final wearing course and road marking and traffic signs, road lighting lamps & T&C	21d	08-Aug-16	31-Aug-16	0%																								
M001 Ch 0+550 to 0+981 (UC3 Area) (Permanent), L=431m																													
A3130	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.) 1st half	13d	02-Apr-16 A	16-Jun-16	70%																								
A237804	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.) 2nd half	13d	17-Jun-16	02-Jul-16	0%																								
A3150	Road formation, subbase, road base and precast kerbs, road lighting poles 1st half	12d	24-Jun-16	08-Jul-16	0%																								
A237814	Road formation, subbase, road base and precast kerbs, road lighting poles 2nd half	12d	09-Jul-16	22-Jul-16	0%																								
A3140	Final wearing course and road marking and traffic signs, road lighting lamps & T&C	18d	22-Jul-16	11-Aug-16	0%																								
Temporary Slip Road (3 lanes going NB Airport Rd to T1 & T2)																													
A2890	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.) 1st half	20d	04-Jun-16	28-Jun-16	0%																								
A237794	Drainage works +Underground utilities (watermain, TCSS, telecoms etc.) 2nd half	20d	29-Jun-16	22-Jul-16	0%																								
A2900	Road formation, subbase, road base and precast kerbs, road lighting poles	18d	23-Jul-16	12-Aug-16	0%																								
A2910	Final wearing course and road marking and traffic signs, road lighting lamps & T&C	12d	11-Aug-16	24-Aug-16	0%																								
EAST COAST ROAD WORKS (INCL. BA1 & DEP. RD.) - under Section 2 (Middle to North Area)																													
Works to be constructed under Stage 1 TTA (divert traffic to existing ECR NB RD/ Future M008)																													
Works in Bridge A1 & Depressed Road																													
Bridge A1 - Abutment Construction																													
North Abutment																													
Wall Construction (Upper Part)																													
BA1.1020-70	BA1 North Abut. - Wing Wall Construction (upper part- West side), Formwork Erection	9d	06-Jun-16	16-Jun-16	0%																								
BA1.1020-80	BA1 North Abut. - Wing Wall Construction (upper part- West side), Rebar Fixing	7d	17-Jun-16	24-Jun-16	0%																								
BA1.1020-90	BA1 North Abut. - Wing Wall Construction (upper part- West side), Concreting	1d	25-Jun-16	25-Jun-16	0%																								
BA1.1020-100	BA1 North Abut. - Wing Wall Construction (upper part-West side), Formwork Removal	3d	14-Jul-16	16-Jul-16	0%																								
BA1.1020-110	BA1 North Abut. - Wing Wall Construction (upper part-West side), Scaffold Removal	5d	18-Jul-16	22-Jul-16	0%																								
South Abutment																													
Wall Construction (Upper Part)																													
BA1.1020-120	BA1 South Abut. - Wing Wall Construction (upper part - West side), Formwork Erection	9d	26-May-16	04-Jun-16	0%																								
BA1.1020-130	BA1 South Abut. - Wing Wall Construction (upper part - West side), Rebar Fixing	7d	06-Jun-16	14-Jun-16	0%																								
BA1.1020-140	BA1 South Abut. - Wing Wall Construction (upper part - West side), Concreting	1d	15-Jun-16	15-Jun-16	0%																								
BA1.1020-150	BA1 South Abut. - Wing Wall Construction (upper part - West side), Formwork Removal	3d	04-Jul-16	06-Jul-16	0%																								
BA1.1020-160	BA1 South Abut. - Wing Wall Construction (upper part - West side), Scaffold Removal	5d	07-Jul-16	12-Jul-16	0%																								
Retaining Wall A(Bay 1 to Bay 9)																													
Bay A1																													
BA1.1022-162	Retaining Wall A- A1 - Remaining Base slab, (rebars, formworks, concreting)	5d	09-Apr-16 A	04-May-16 A	100%																								
BA1.1022-151	Retaining Wall A- A1 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	05-May-16 A	25-May-16	50%																								
Bay A2																													
BA1.1022-172	Retaining Wall A- A2 - Remaining Base slab, (rebars, formworks, concreting)	5d	05-May-16 A	13-May-16 A	100%																								
BA1.1022-182	Retaining Wall A- A2 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	26-May-16	06-Jun-16	0%																								
Bay A3																													
BA1.1022-192	Retaining Wall A- A3 - Remaining Base slab, (rebars, formworks, concreting)	5d	09-Apr-16 A	04-May-16 A	100%																								
BA1.1022-202	Retaining Wall A- A3 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	07-Jun-16	18-Jun-16	0%																								
Bay A4																													
BA1.1024-3	Retaining Wall A- A4 - Base slab, (rebars, formworks, concreting)	5d	05-May-16 A	13-May-16 A	100%																								
BA1.1024-31	Retaining Wall A- A4 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	14-Jun-16	24-Jun-16	0%																								
Bay A5																													
BA1.1024-51	Retaining Wall A- A5 - Base slab, (rebars, formworks, concreting)	5d	08-Apr-16 A	06-May-16 A	100%																								
BA1.1024-61	Retaining Wall A- A5 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	20-Jun-16	30-Jun-16	0%																								
Bay A6																													
BA1.1024-81	Retaining Wall A- A6 - Base slab, (rebars, formworks, concreting)	5d	07-May-16 A	16-May-16 A	100%																								
BA1.1024-91	Retaining Wall A- A6 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	25-Jun-16	07-Jul-16	0%																								
Bay A7																													
BA1.1024-111	Retaining Wall A- A7 - Base slab, (rebars, formworks, concreting)	5d	17-May-16 A	25-May-16	30%																								
BA1.1024-121	Retaining Wall A- A7 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	20-Jun-16	30-Jun-16	0%																								
Bay A8																													
BA1.1024-131	Retaining Wall A- A8 - Excavation, blinding layer	5d	05-Apr-16 A	18-May-16 A	100%																								
BA1.1024-141	Retaining Wall A- A8 - Base slab, (rebars, formworks, concreting)	5d	19-May-16 A	23-May-16	40%																								
BA1.1024-151	Retaining Wall A- A8 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	04-Jul-16	14-Jul-16	0%																								
Bay A9																													
BA1.1024-171	Retaining Wall A- A9 - Base slab, (rebars, formworks, concreting)	5d	07-May-16 A	11-May-16 A	100%																								
BA1.1024-181	Retaining Wall A- A9 - Wall, Formworks/scaffolding, steel bar fixing, concreting	10d	29-Jun-16	11-Jul-16	0%																								
Works to be constructed under Stage 3 TTA (divert traffic to BA1 & ex. ECR SB RD/ Future M009)																													
BA1 - Cantilever Slab Area																													
A237594	Site clearance	12d	17-Mar-16 A	26-May-16	70%																								
A3620	Bridge A1 Deck - cantilever section + parapet, 1st half	13d	27-May-16	11-Jun-16	0%																								
A3570	Bridge A1 Deck - cantilever section + parapet, 2nd half	13d	11-Jun-16	25-Jun-16	0%																								
Stage 2 ELS - Permanent Soldier Pile Wall along AEL																													
Initial Works																													
A237604	Utilities Work (Trial pit and cable detection)	12d	27-Apr-16 A	11-May-16 A	100%																								
A3952	Install ADMS, footing of total station	12d	12-May-16 A	18-May-16 A	100%																								
A3950	Joint condition survey /Establish principal setting out stations and Install ADMS	12d	10-Jun-16*	23-Jun-16	0%																								
A237834	Fabrication of safety fence along AEL	20d	24-Jun-16	18-Jul-16	0%																								
A3939	Erect safety fence along AEL side, 1st part	12d	23-Jul-16	05-Aug-16	0%																								
A3940	Erect safety fence along AEL side, 2nd part	12d	06-Aug-16	19-Aug-16	0%																								
A237614	Erect safety fence along AEL side, 3rd part	12d	20-Aug-16	02-Sep-16	0%																								
Utilities Permanent Diversion at BA1/Depressed Rd Area																													
A3870	Permanent utility diversion - CLP cable civil prov. works, 1st stage	15d	16-Jun-16	04-Jul-16	0%																								
A3931	Permanent utility diversion - CLP cable civil prov. works, 2nd stage	15d	05-Jul-16	21-Jul-16	0%																								
A3871	Permanent utility diversion - CLP cable civil prov. works	15d	22-Jul-16	08-Aug-16	0%																								
A3880	Permanent utility diversion - fresh water main (by CSHK), 1st Stage	15d	20-Aug-16	06-Sep-16	0%																								
A3900	Permanent utility diversion - gas main (by others), 1st Stage	15d	20-Aug-16	06-Sep-16	0%																								
A3840	Permanent utility diversion - telecom cable / CAD cable (by others), 1st Stage	15d	20-Aug-16	06-Sep-16	0%																								
A3850	Permanent utility diversion - TCSS cable (by others), 1st Stage	15d	20-Aug-16	06-Sep-16	0%																								
Construct M008, Ch 0+100 to Ch 0+787, L=687m (except Depressed Rd. Area)																													
A4370	M008: Drainage works +Underground utilities (watermain, CLP), 1st 50m	15d	19-Mar-16 A	06-Jun-16	50%																								
A4371	M008: Drainage works +Underground utilities (watermain, CLP) 2nd 50m	15d	07-Jun-16	24-Jun-16	0%																								
A4372	M008: Drainage works +Underground utilities (watermain, CLP) 3rd 50m	15d	25-Jun-16	13-Jul-16	0%																								
A4373	M008: Drainage works +Underground utilities (watermain, CLP) 4th 50m	15d	14-Jul-16	30-Jul-16	0%																								
A4374	M008: Drainage works +Underground utilities (watermain, CLP) 5th 50m	15d	01-Aug-16	17-Aug-16	0%																								
Construct M007 Ch. 0+100 to Ch. 0+483, L=383m																													
A4590	Start after surcharge removed at reclamation portion (but start early at landside portion)	0d		17-Jun-16*	0%																								
A4540	M007: 1st Half: Drainage works +Underground utilities (watermain), 1st 50m	15d	18-Jun-16	06-Jul-16	0%																								
A4720	M007: 1st Half: Drainage works +Underground utilities (watermain), 2nd 50m	15d	07-Jul-16	23-Jul-16	0%																								
A4730	M007: 1st Half: Drainage works +Underground utilities (watermain), 3rd 50m	15d	25-Jul-16	10-Aug-16	0%																								
A4900	M007: 1st Half: Drainage works +Underground utilities (watermain), 4th 50m	15d	11-Aug-16	27-Aug-16	0%																								



APPENDIX C

Location of Works Areas



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805000 E

810000 E

815000 F

NOTES

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LEGEND

— · — · — SITE BOUNDARY

820000 N

820000 N

815000 N

805000-E

A	TENDER ISSUE	IL	02/12
Rev	Description	By	Date

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	
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Scale 1:20000 @A1				Status TENDER			

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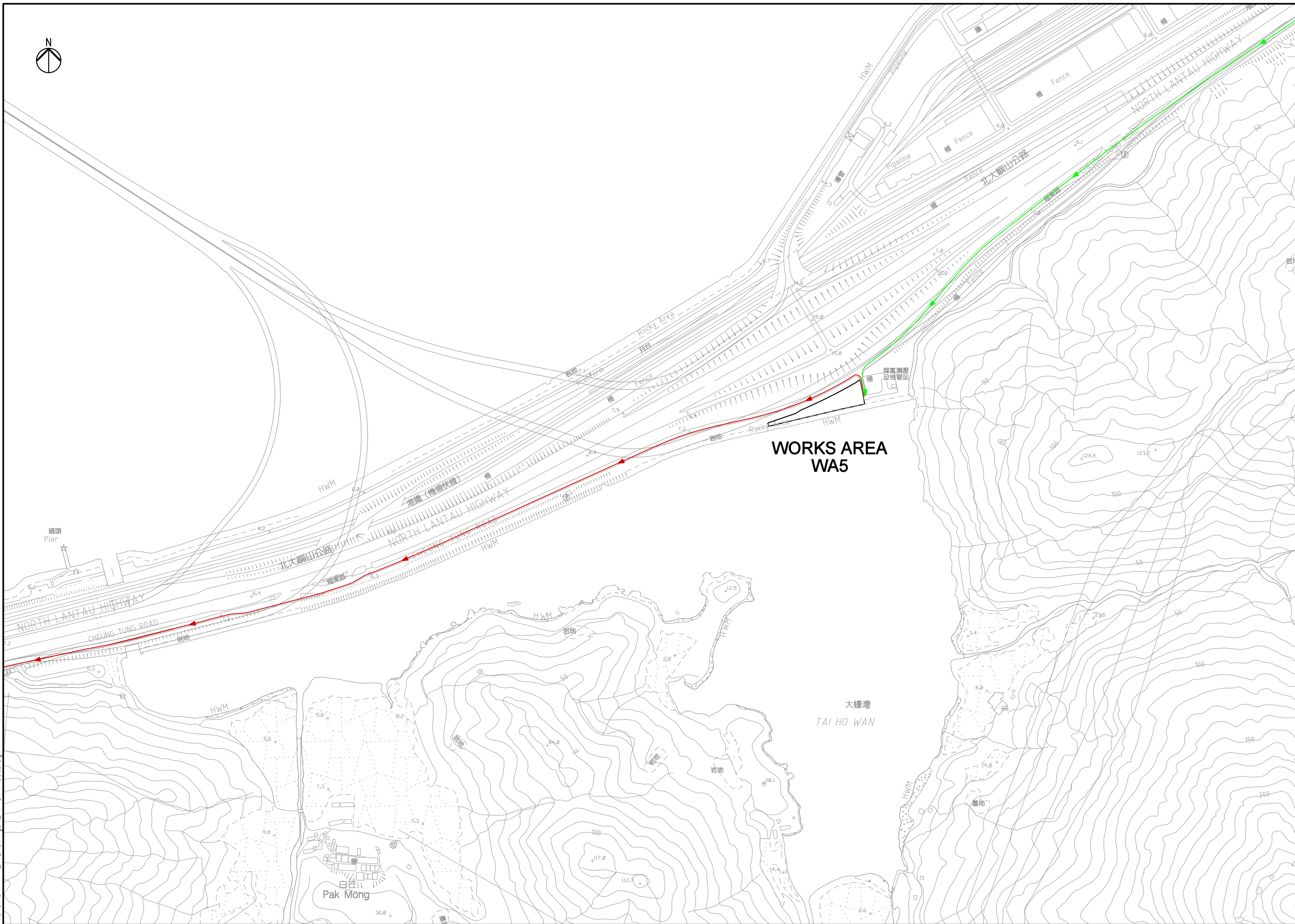


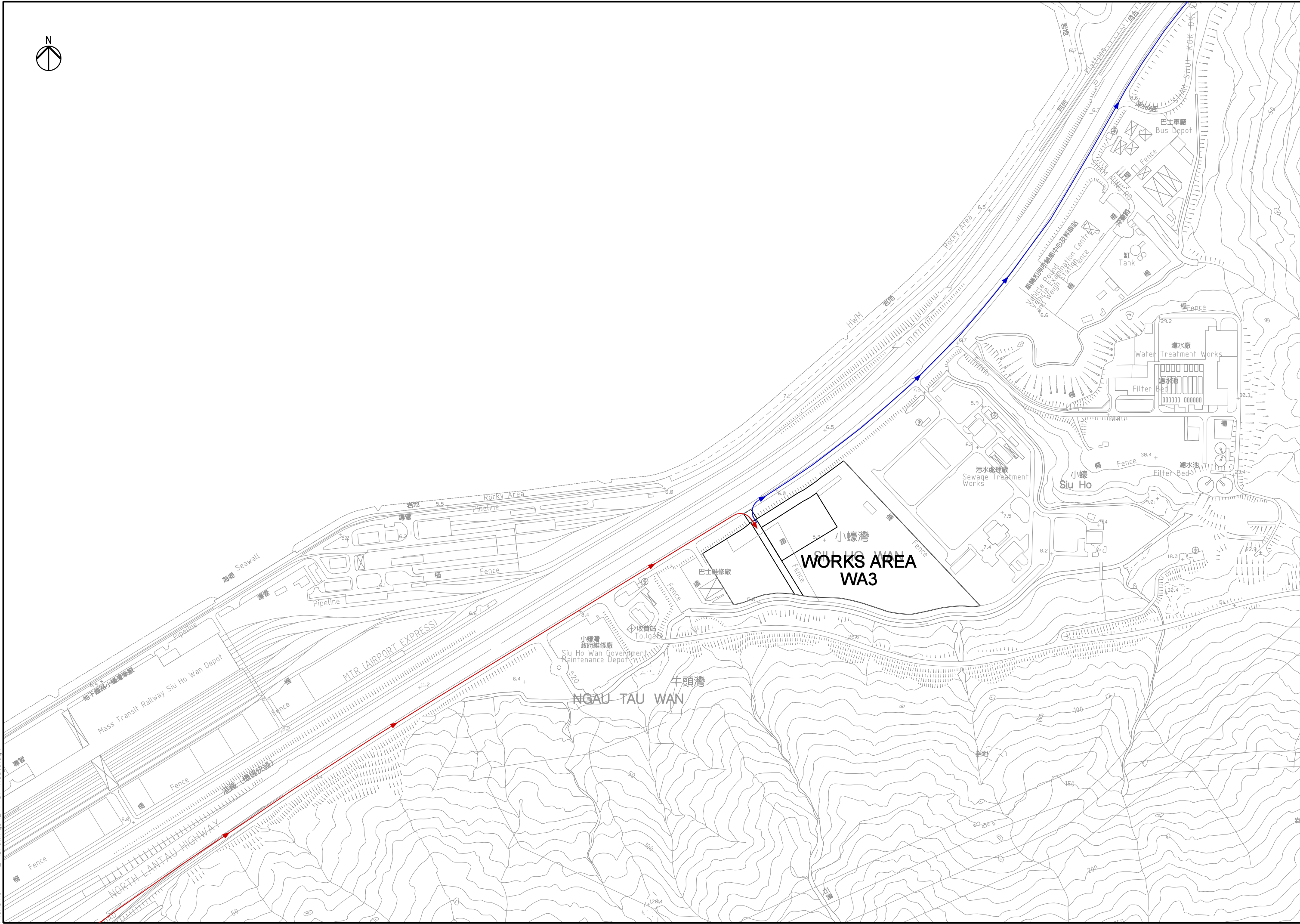
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Contract No. and Title:				
Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road - Section Between Scenic Hill and Hong Kong Boundary Crossing Facilities				
Drawing title				
WORKS AREAS KEY PLAN				
Drawing no.			Rev.	
214487/2/T/130				A
Drawn RY	Date 02/12	Checked IL	Approved SK	
Scale	1:30000 @A1		Status	TENDER

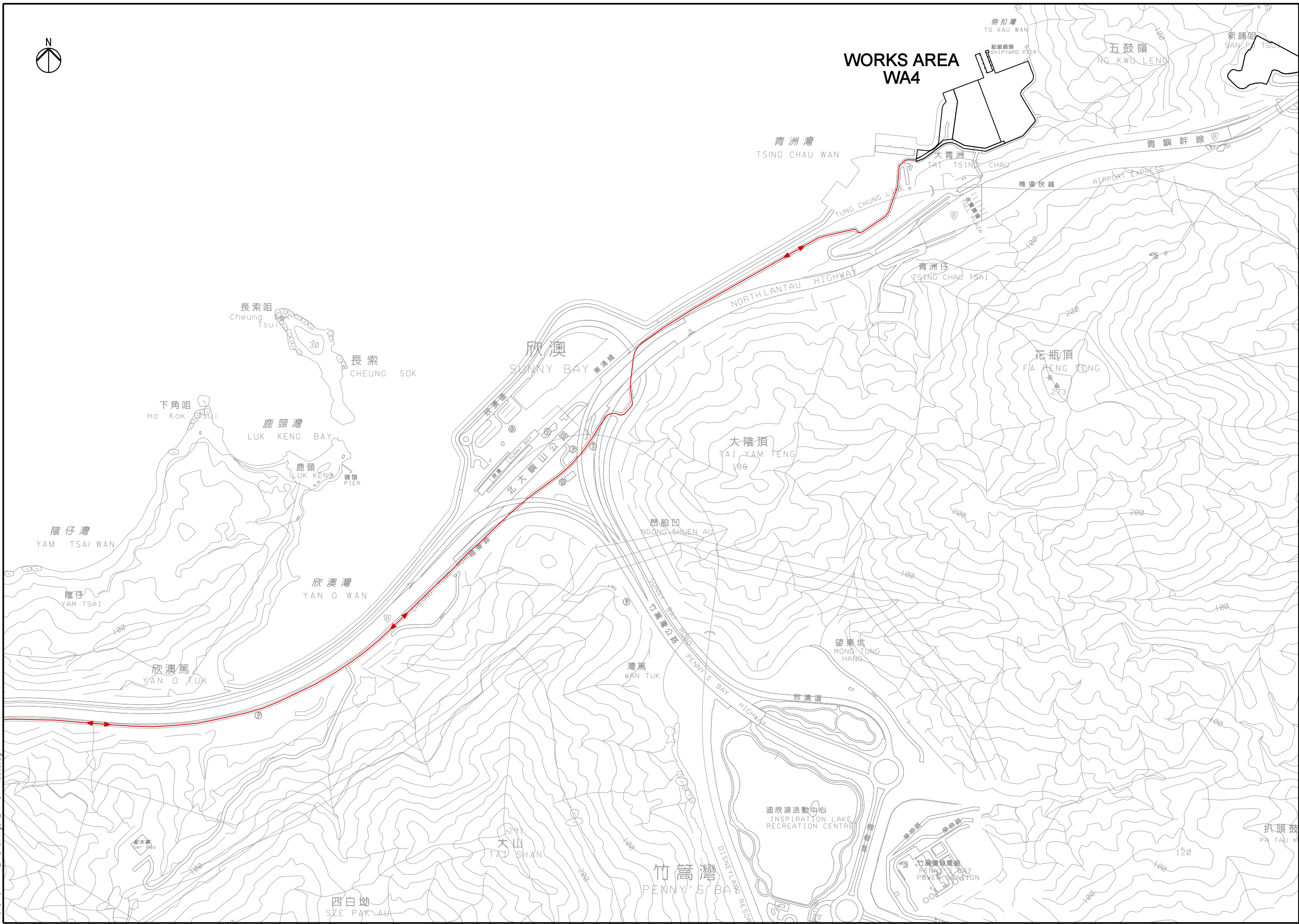
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Hong Kong Project Management Office

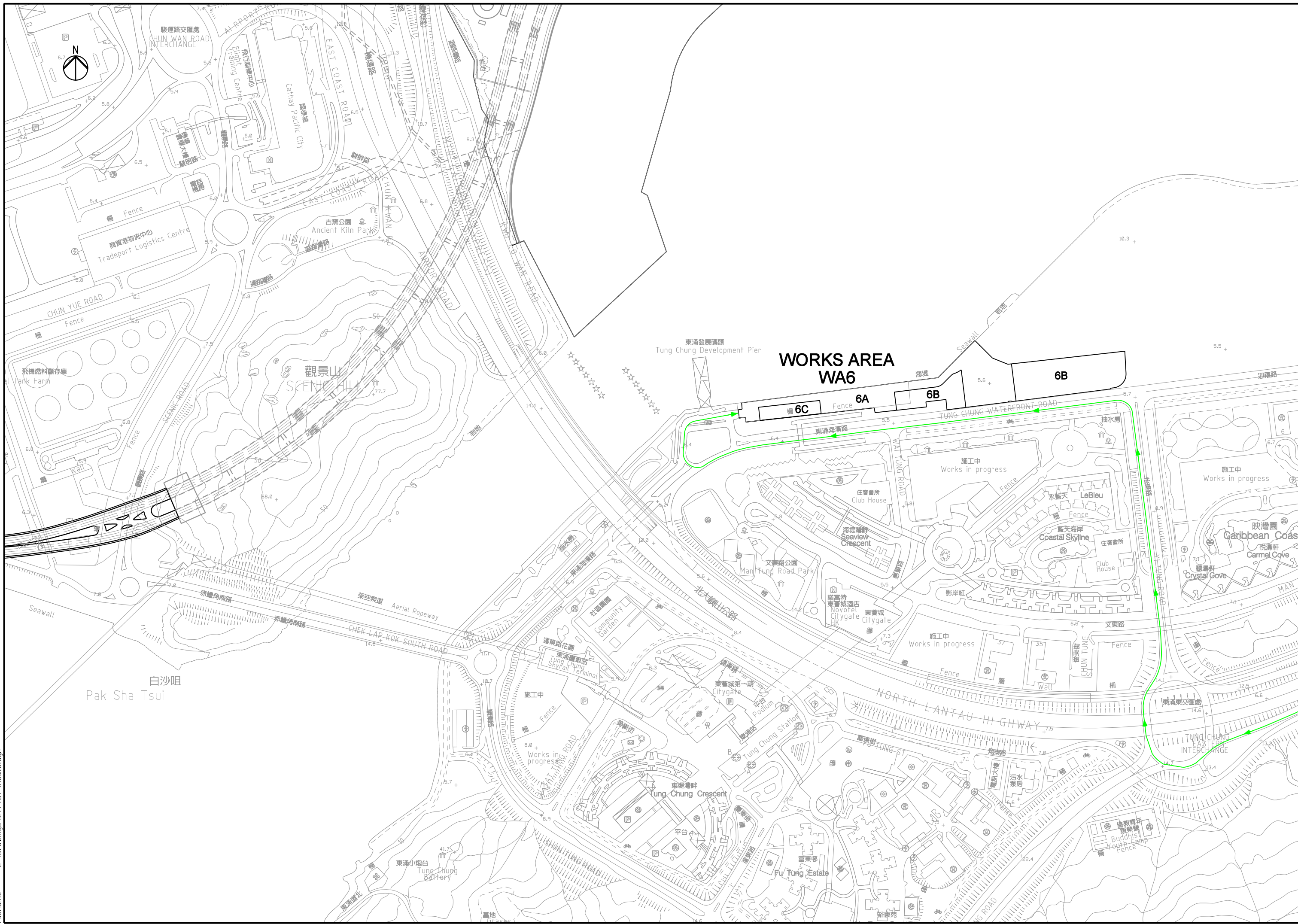






**WORKS AREA
WA4**





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FOR CONTINUATION
SEE DRG 214487/2/T/122
MATCH LINE

PORTION X

PORTION Y

PORTION B

811016.809 E
817117.494 N

810991.247 E
816995.740 N

AIRPORT
SOUTHEAST
QUAY

NP360 CABLE CAR
ANGLE STATION

SEE NOTE 2

TUNNEL SHT
WEST PORTAL
AND VENTILATION
BUILDING
(INDICATIVE)

PROPOSED
TUNNEL SHT

SCENIC HILL

SCENIC ROAD

KWO LO WAN ROAD

KWO LO WAN ROAD

MTR AIRPORT EXPRESS LINE (AEL)
AIRPORT ROAD (SOUTHBOUND)
AIRPORT ROAD (NORTHBOUND)

NOTES

- FOR DETAILED DESCRIPTION OF PORTION OF SITE, REFER TO ER PART 2 GENERAL SITE DATA.
- 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

A	TENDER ISSUE	IL	02/12
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
**PORTION OF SITE
(SHEET 1 OF 3)**

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HONG KONG INTERNATIONAL AIRPORT
SOUTH RUNWAY

PORTION Y

CIVIL AVIATION DEPARTMENT
(CAD) NEW HEADQUARTERS

TUNG FAI ROAD

EXISTING
DRAGONAIR
HEADQUARTERS

EXISTING
CNAC TOWER

FOR CONTINUATION
SEE DRG 214487/2/T/123
MATCH LINE

NOTES

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

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Hong Kong Link Road -
Section Between Scenic Hill and
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Drawing title

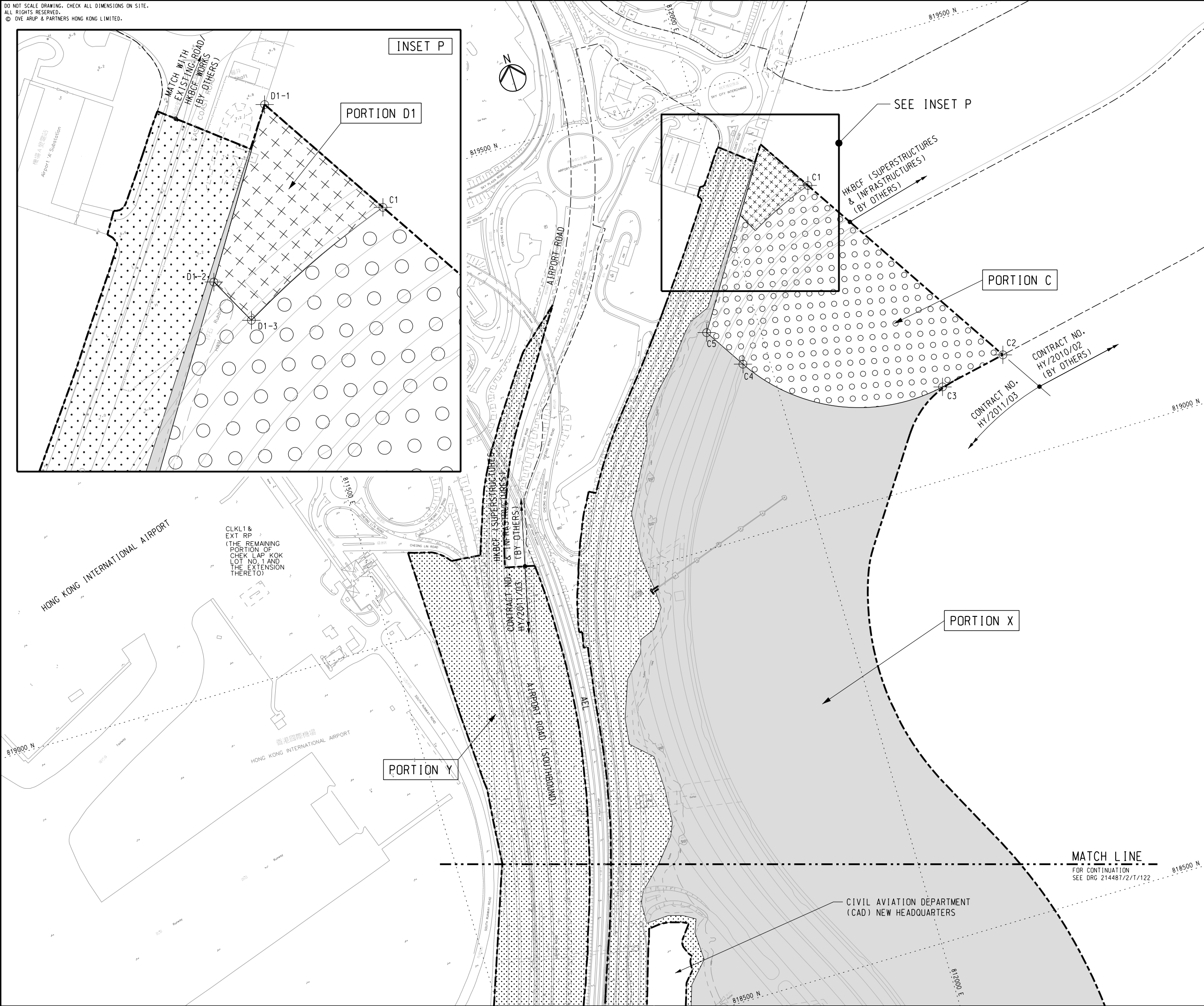
PORTION OF SITE
(SHEET 2 OF 3)

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Drawn	RY	Date	02/12
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NOTES

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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

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Rev	Description	By	Date

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

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

Drawing title

PORTION OF SITE
(SHEET 3 OF 3)

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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	Partially implemented
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	√
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	N/A

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
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/m ²), acoustic mat or full enclosure close to noisy plants including air compressor, generators, saw.	Screen the noisy plant items to be used at all construction sites	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	√
S6.4.13	N4	4) Select .Quiet plants. which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise levels of plant items	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	√
S6.4.14	N5	5) Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	√
	N6	6) Implement a noise monitoring under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected representative noise monitoring station	Construction stage	√
Waste Management (Construction waste)							
S8.3.8	WM1	<u>Construction and Demolition Material</u> The following mitigation measures should be implemented in handling the waste: •Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; •Carry out on-site sorting; •Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; •Adopt .Selective Demolition. technique to demolish the existing structures and facilities	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	<u>Sewage</u> • Adequate numbers of portable toilets should be provided for the workers. The portable toilets should be maintained in a state, which will not deter the workers from utilizing these portable toilets. Night soil should be collected by licensed collectors regularly.	Proper handling of sewage from worker to avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	✓
S8.3.17	WM5	<u>General Refuse</u> • General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. • A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. • Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. • Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. In addition, waste separation facilities for paper, aluminum cans, plastic bottles etc., should be provided. • Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including reduction, reuse and recycling of wastes.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	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	√

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	Partially implemented
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 1, 8, 15, 22 and 28 June 2016, 6, 13, 20, and 29 July 2016 and 3, 10, 17, 24 and 30 August 2016. Particular observations during the site inspections are described below:

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
4 May 2016	1. Accumulation of refuse was observed at S8. 2. Stagnant water was found inside a drip tray provided for a generator at HMA.	1. The accumulated refuse at S8 was removed. 2. The stagnant water at HMA was removed.	1 Jun 2016
18 May 2016	1. No drip tray was provided for chemical drums at S7. 2. Accumulation of refuse was observed at S16.	1. The chemical drums at S7 were removed from site. 2. The accumulated refuse at S16 was removed.	1 Jun 2016
27 May 2016	1. Accumulated waste was observed at Western Portal. 2. No drip tray was provided for chemical containers at Western Portal. 3. Stagnant water was observed at Western Portal. 4. Stagnant water inside the drip tray and no chemical label for chemical containers was observed at Western Portal. 5. Chemicals leakage was observed at Western Portal. 6. Rubbish was observed at Western Portal.	1. The accumulated waste at Western Portal was removed. 2. The chemical containers were removed from Western Portal. 3. The stagnant water at Western Portal was removed. 4. Stagnant water inside the drip tray at Western Portal was removed and chemical labels were displayed on the containers. 5. The chemical leakage at Western Portal was cleaned up. 6. The rubbish at Western Portal was removed.	1 Jun 2016
	7. Gap of silt curtains were observed at Portion X.	7. The silt curtain was maintained at Portion X	13 Jul 2016
1 Jun 2016	1. Mud was accumulated inside the U-channel at N4. 2. Stagnant water was observed at N4. 3. Accumulation of waste was observed at N4. 4. Silt curtain was misaligned at S11. 5. Stagnant water was observed inside a drip tray at S7. No NRMM label was displayed on a mobile crane at S9. 6. No NRMM label was displayed on a mobile crane at S9. 7. Stagnant water was observed at S15.	1. The mud inside the U-channel was removed at N4. 2. The stagnant water was removed at N4. 3. The accumulated waste was removed at N4. 4. The silt curtain was maintained properly at S11. 5. The drip tray and the chemical drum were removed from site at S7. 6. The NRMM label was displayed on the mobile crane at S9. 7. The stagnant water at S15 was removed.	8 Jun 2016
	8. Stagnant water was observed at S7.	8. Stagnant water was cleared at S7.	28 Jun 2016

8 Jun 2016	1. Stagnant water was observed at C & C. 2. Accumulation of refuse was observed at C & C. 3. The wastewater treatment facility was damaged at N26. 4. Mud was found next to the seafront of S7. 5. Accumulation of refuse was observed at S11. 6. Water pressure of wheel washing facility was insufficient at WA4. 7. Stagnant water was observed at WA4.	1. The stagnant water at C & C was removed. 2. The accumulated refuse at C & C was removed. 3. The wastewater treatment facility at N26 was repaired. 4. The accumulated mud at S7 was removed. 5. The accumulated refuse at S11 was removed. 6. The water pressure of the wheel washing facility was maintained to a normal level at WA4. 7. The stagnant water at WA4 was removed.	15 Jun 2016
	1. Gaps between of earth bunds was observed at along the seafront of S7.	1. Proper bunding was provided along the seafront of S7.	28 Jun 2016
15 Jun 2016	1. Slit curtain was misaligned at Portion X. 2. Stagnant water was observed at A2. 3. Exposed stockpile of sand was observed at N20. 4. Stagnant water was observed at S11. 5. Oil stain was observed at S11. 6. Untreated runoff flowing into the gully outside S15 was observed. 7. No drip tray was provided for chemical containers at S15.	1. The silt curtain was maintained at portion X. 2. The stagnant water was removed at A2. 3. The stockpile of sand was covered by tarpaulin at N20. 4. The stagnant water was removed at S11. 5. The oil stain was cleaned up at S11. 6. The discharge of untreated runoff into the gully was stopped. 7. A drip tray was provided for the chemical containers at S15.	22 Jun 2016
	1. No NRMM label was displayed on generator at S15.	1. A NRMM label was displayed on the generator at S15.	28 Jun 2016
22 Jun 2016	1. No NRMM label was displayed on a generator at N30. 2. Stagnant water was found at S8. 3. The cement mixing station was not completely enclosed at S11. 4. More than 20 bags of cement were not covered with tarpaulin at S11. 5. Stagnant water was observed inside a drip tray at S11. 6. Stagnant water was found at S11. 7. Accumulation of rubbish was observed at S25. 8. Accumulation of rubbish was observed at West Portal.	1. NRMM label was provided for the generator at N30. 2. The stagnant water at S8 was removed. 3. The cement mixing station was covered at top and 3-side with impervious tarpaulin. 4. The bags of cement were covered with tarpaulin at S11. 5. The stagnant water was cleared at S11. 6. The accumulated rubbish was removed at S25. 7. The accumulated rubbish was removed at West Portal.	28 Jun 2016

28 Jun 2016	1. Silt curtains were not properly aligned at Portion X.	1. The silt curtain was maintained at portion X.	13 Jul 2016
	2. Stagnant water was observed at HMA. 3. No drip tray was provided for chemical containers at HMA. 4. General refuse was accumulated at HMA. 5. Chemical label was not provided for chemical containers at HMA. 6. Wheel washing facilities were not operating at N30. 7. General refuse was accumulated at N30.	1. The stagnant water was cleared at HMA. 2. The chemical was removed from HMA. 3. The accumulated waste was removed from HMA. 4. A proper label was provided for the chemical at HMA. 5. The wheel washing facility was in operation at N30. 6. The accumulated waste was removed from N30.	6 Jul 2016
6 Jul 2016	1. A section of silt curtain was disconnected at Portion X. 2. Stagnant water was found from at S11. 3. A wastewater treatment facility was not inspected by the Contractor regularly for its performance at N26. 4. The source of discharge was not marked on the discharge pipe at N26. 5. Silt curtain was not properly aligned at S7. 6. Stagnant water was found at S7. 7. Accumulated waste was observed at S8. 8. Stagnant water was found at S9. 9. Stagnant water was found at S11. 10. Rubbish was found at S11. 11. Muddy water was leaking from a hole into the sea.	1. The silt curtains were maintained at Portion X 2. The stagnant water was removed at S11. 3. The wastewater treatment facility at N26 was inspected by the Contractor regularly. 4. The source of discharge was marked on the discharge pipe at N26. 5. The silt curtain was maintained at S7. 6. The stagnant water was removed from S7. 7. The accumulated waste was removed from S8. 8. The stagnant water was removed from S9. 9. The stagnant water was removed from S11. 10. The rubbish was removed from S11. 11. Sand bags were placed around the hole and the leakage was stopped at S11.	13 Jul 2016

13 Jul 2016	1. There was a gap between silt curtains at Portion X. 2. No drip tray was provided for chemical containers at N26. 3. An inadequate wheel washing facility was observed at N26. 4. There was a gap in earth bund at S11. 5. Accumulation of general refuse was observed at S7. 6. No drip tray was provided for chemical drums at S11. 7. The label for chemical at S11 was improper. 8. No drip tray was provided for chemical containers at Shaft 1. 9. Stockpiles of over 20 bags of cement were not covered with impervious sheeting at West Portal. 10. Stagnant water was observed at West Portal.	1. The silt curtains were maintained and no gaps between sections of silt curtain were found at Portion X. 2. The chemical containers were removed at N26. 3. An adequate wheel washing facility was provided at N26. 4. The earth bund was maintained at S11. 5. The accumulated general refuse was removed at S7. 6. A drip tray was provided for the chemical drums at S11. 7. A proper label was provided for the chemical at S11. 8. Some of chemical containers were removed and some were placed within a drip tray at Shaft 1. 9. The stockpiles of over 20 bags of cement were covered with impervious sheeting at West Portal. 10. The stagnant water was removed at West Portal.	20 Jul 2016
20 Jul 2016	1. Misaligned silt curtains were observed at Portion X 2. Stagnant water was observed inside drip trays at HMA. 3. Stagnant water was observed at HMA. 4. There was a gap in earth bund and surface runoff leaked into sea at S7. 5. Stagnant water was observed on the ground at S7. 6. No drip tray was provided for chemical containers at S7. 7. Oil stain was observed on the ground at S8. 8. No noise barriers were provided for tunnel excavation at S8. 9. No drip tray was provided for chemical drums at S11. 10. No proper labels were provided for the chemical drums at S15. 11. General refuse were observed accumulated on the ground at Ventilation Building of West Portal.	1. The silt curtains were maintained at Portion X. 2. The stagnant water inside the drip trays were cleared at HMA. 3. The stagnant water was cleared on the ground at HMA. 4. The Contractor was reminded to maintain the earth bund at S7. 5. The stagnant water on the ground was cleared at S7. 6. The chemical container were removed at S7. 7. The oil stain was removed properly at S8. 8. Noise barriers were provided for tunnel excavation at S8. 9. Drip tray were provided for the chemical drums at S11. 10. Proper labels were provided for the chemical drums at S15. 11. The general refuse was removed at Ventilation Building of West Portal.	29 Jul 2016

29 Jul 2016	- Gap of silt curtains were observed at Portion X. - Cover of dump truck was not completely closed at N1. - Waste was observed at Western Portal. - Concrete waste was observed at N1. - Stagnant water was observed at N1. - No drip tray for chemical was observed at West Portal. - Stagnant water was observed at West Portal.	- The silt curtains were maintained at Portion X. - The skip of dump truck was covered entirely at N1. - The accumulated waste was removed by the Contractor from West Portal. - The concrete waste was removed by the Contractor from N1. - The stagnant water was cleared at N1. - The chemical containers were removed by the Contractor from West Portal. - The stagnant water was cleared at N1.	3 Aug 2016
3 Aug 2016	- Accumulated waste was observed at S11. - Accumulated waste was observed at S7. - There were gaps between earth bunds and surface runoff leaked into the sea at S7. - No label was provided for chemicals at S7. - Dump trucks were not covered by impervious sheeting at S15.	- The accumulated waste was removed from S11. - The accumulated waste was removed from S7. - The earth bunds were maintained at S7. - The unlabelled chemicals were removed from S7. - Mechanical covers of the dump trucks were closed at S15.	10 Aug 2016
	- There were a gap between earth bunds and surface runoff leaked into the sea at S11. - Stagnant water was observed at West Portal.	- The earth bunds at S11 was maintained. - The stagnant water was removed at West Portal.	17 Aug 2016
	Stagnant water was observed at N1.	The stagnant water was removed from N1.	24 Aug 2016
	There was a gap between silt curtains at Portion X.	The silt curtains were maintained at portion X.	30 Aug 2016
10 Aug 2016	- Accumulated waste was observed at HMA. - Accumulated waste was observed at S9. - No drip trays were provided for chemicals at S11. - Stagnant water was observed at S11. - Accumulated waste was observed at S25. - Muddy tracks were observed at the site exit at N1. - No shelter with cover at 3 sides and at top was provided for grout mixing station at West Portal.	- The accumulated waste was removed from HMA - The accumulated waste was removed from S9. - Drip trays were provided for the chemicals at S11. - The stagnant water was removed from S11. - The accumulated waste was removed from S25. - The muddy tracks at the site exit at N1 were removed. - The grout mixing station was removed from West Portal.	17 Aug 2016

	8. Accumulated waste was observed at West Portal. 9. Over 20 bags of cement were not covered by impervious sheeting at West Portal.	8. The accumulated waste was removed from West Portal. 9. The stockpile of cement was covered with impervious sheeting at West Portal.	24 Aug 2016
17 Aug 2016	1. Stagnant water was observed at S11. 2. Stagnant water was observed at N4. 3. Stagnant water was observed at S7. 4. There was a gap between earth bund and surface runoff leaked into the sea at S7. 5. There were gaps between earth bund and surface runoff leaked into the sea at S11. 6. A container which is used for water storage was not covered at S11. 7. No drip trays were provided for chemicals at West Portal.	1. The stagnant water was removed from S11. 2. The stagnant water was removed from N4. 3. The stagnant water was removed from S7. 4. The earth bund was maintained at S7. 5. The earth bund was maintained at S11. 6. The container for water storage was covered at S11. 7. Drip trays were provided for the chemicals at West Portal.	24 Aug 2016
24 Aug 2016	1. Accumulated waste was observed at S11 2. Accumulated waste was observed at HMA. 3. No drip tray was provided for chemicals at HMA. 4. Accumulated waste was observed at S15. 5. Stagnant water was observed at S15. 6. Abandoned pipe was observed at S15 7. Over 20 bags of cement were not covered by impervious sheeting at S15. 8. No drip tray was provided for oil drums at S16. 9. Accumulated waste was observed at S16. 10. Stagnant water was observed at S9. 11. Routine inspection was not carried out for wastewater treatment facility at N1.	1. The accumulated waste was removed at S11. 2. The accumulated waste was removed at HMA. 3. The chemicals was removed at HMA. 4. The accumulated waste was removed at S15. 5. The stagnant water was removed at S15. 6. The abandon pipe was removed at S15. 7. The bags of cement were covered by impervious sheeting at S15. 8. The oil drums were removed at S16. 9. The accumulated waste was removed at S16. 10. The stagnant water was removed at S9. 11. Routine inspection for the wastewater treatment facility was carried out at N1 and inspection record was displayed on the waste water treatment facility.	30 Aug 2016

30 Aug 2016	1. It was observed that wastewater treatment plant was overloaded at PR9. 2. No drip tray was provided for chemical containers at Shaft 3. 3. Concrete waste was observed at Shaft 3. 4. No drip tray was provided for chemical containers at N1. 5. Over 20 bags of cement were not entirely covered with impervious sheets at N1. . 6. Stagnant water was observed at N1 adjacent to HY/2011/09 site. 7. Stagnant water was observed inside the building at N1. 8. Rubbish was accumulated at N1.	The Contractor was recommended to: 1. monitor the proper functioning of the plant to ensure its performance. 2. remove the chemical containers or provide for the chemical containers. 3. remove concrete waste promptly. 4. remove the chemical containers or provide for the chemical containers. 5. cover the bags of cements entirely. 6. remove stagnant water from site to avoid mosquito breeding. 7. remove stagnant water from the site to avoid mosquito breeding. 8. remove rubbish promptly.	Follow-up actions for the observations issued for the last weekly site inspection of the reporting month will be inspected during the next site inspections.
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The Contractor has rectified the observations as identified during environmental site inspections.



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	2016-06-06	AMS5	13:05	1-hr TSP	97	ug/m3
HKLR	HY/2011/03	2016-06-06	AMS5	14:05	1-hr TSP	97	ug/m3
HKLR	HY/2011/03	2016-06-06	AMS5	15:05	1-hr TSP	98	ug/m3
HKLR	HY/2011/03	2016-06-10	AMS5	13:17	1-hr TSP	88	ug/m3
HKLR	HY/2011/03	2016-06-10	AMS5	14:17	1-hr TSP	88	ug/m3
HKLR	HY/2011/03	2016-06-10	AMS5	15:17	1-hr TSP	94	ug/m3
HKLR	HY/2011/03	2016-06-16	AMS5	13:05	1-hr TSP	108	ug/m3
HKLR	HY/2011/03	2016-06-16	AMS5	14:05	1-hr TSP	103	ug/m3
HKLR	HY/2011/03	2016-06-16	AMS5	15:05	1-hr TSP	99	ug/m3
HKLR	HY/2011/03	2016-06-22	AMS5	13:03	1-hr TSP	89	ug/m3
HKLR	HY/2011/03	2016-06-22	AMS5	14:03	1-hr TSP	88	ug/m3
HKLR	HY/2011/03	2016-06-22	AMS5	15:03	1-hr TSP	83	ug/m3
HKLR	HY/2011/03	2016-06-28	AMS5	13:19	1-hr TSP	86	ug/m3
HKLR	HY/2011/03	2016-06-28	AMS5	14:19	1-hr TSP	89	ug/m3
HKLR	HY/2011/03	2016-06-28	AMS5	15:19	1-hr TSP	91	ug/m3
HKLR	HY/2011/03	2016-07-04	AMS5	13:11	1-hr TSP	84	ug/m3
HKLR	HY/2011/03	2016-07-04	AMS5	14:11	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2016-07-04	AMS5	15:11	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2016-07-08	AMS5	09:27	1-hr TSP	174	ug/m3
HKLR	HY/2011/03	2016-07-08	AMS5	10:27	1-hr TSP	205	ug/m3
HKLR	HY/2011/03	2016-07-08	AMS5	11:27	1-hr TSP	194	ug/m3
HKLR	HY/2011/03	2016-07-14	AMS5	14:20	1-hr TSP	106	ug/m3
HKLR	HY/2011/03	2016-07-14	AMS5	15:20	1-hr TSP	105	ug/m3
HKLR	HY/2011/03	2016-07-14	AMS5	16:20	1-hr TSP	421	ug/m3
HKLR	HY/2011/03	2016-07-19	AMS5	13:35	1-hr TSP	83	ug/m3
HKLR	HY/2011/03	2016-07-19	AMS5	14:35	1-hr TSP	85	ug/m3
HKLR	HY/2011/03	2016-07-19	AMS5	15:35	1-hr TSP	86	ug/m3
HKLR	HY/2011/03	2016-07-25	AMS5	09:36	1-hr TSP	76	ug/m3
HKLR	HY/2011/03	2016-07-25	AMS5	10:36	1-hr TSP	76	ug/m3
HKLR	HY/2011/03	2016-07-25	AMS5	11:36	1-hr TSP	76	ug/m3
HKLR	HY/2011/03	2016-07-29	AMS5	09:35	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2016-07-29	AMS5	10:35	1-hr TSP	85	ug/m3
HKLR	HY/2011/03	2016-07-29	AMS5	11:35	1-hr TSP	85	ug/m3
HKLR	HY/2011/03	2016-08-04	AMS5	13:43	1-hr TSP	80	ug/m3
HKLR	HY/2011/03	2016-08-04	AMS5	14:43	1-hr TSP	86	ug/m3
HKLR	HY/2011/03	2016-08-04	AMS5	15:43	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2016-08-10	AMS5	13:39	1-hr TSP	75	ug/m3
HKLR	HY/2011/03	2016-08-10	AMS5	14:39	1-hr TSP	76	ug/m3
HKLR	HY/2011/03	2016-08-10	AMS5	15:39	1-hr TSP	80	ug/m3
HKLR	HY/2011/03	2016-08-16	AMS5	13:22	1-hr TSP	97	ug/m3
HKLR	HY/2011/03	2016-08-16	AMS5	14:22	1-hr TSP	104	ug/m3
HKLR	HY/2011/03	2016-08-16	AMS5	15:22	1-hr TSP	101	ug/m3
HKLR	HY/2011/03	2016-08-22	AMS5	09:38	1-hr TSP	99	ug/m3
HKLR	HY/2011/03	2016-08-22	AMS5	10:38	1-hr TSP	96	ug/m3
HKLR	HY/2011/03	2016-08-22	AMS5	11:38	1-hr TSP	96	ug/m3
HKLR	HY/2011/03	2016-08-26	AMS5	09:05	1-hr TSP	99	ug/m3
HKLR	HY/2011/03	2016-08-26	AMS5	10:05	1-hr TSP	91	ug/m3
HKLR	HY/2011/03	2016-08-26	AMS5	11:05	1-hr TSP	85	ug/m3
HKLR	HY/2011/03	2016-06-03	AMS5	See Remark 1	24-hr TSP	See Remark 1	ug/m3
HKLR	HY/2011/03	2016-06-07	AMS5	11:37	24-hr TSP	32	ug/m3
HKLR	HY/2011/03	2016-06-08	AMS5	12:05	24-hr TSP	27	ug/m3
HKLR	HY/2011/03	2016-06-14	AMS5	08:00	24-hr TSP	30	ug/m3
HKLR	HY/2011/03	2016-06-20	AMS5	08:00	24-hr TSP	25	ug/m3
HKLR	HY/2011/03	2016-06-24	AMS5	08:00	24-hr TSP	22	ug/m3
HKLR	HY/2011/03	2016-06-30	AMS5	08:00	24-hr TSP	79	ug/m3
HKLR	HY/2011/03	2016-07-06	AMS5	08:00	24-hr TSP	33	ug/m3
HKLR	HY/2011/03	2016-07-12	AMS5	See Remark 2	24-hr TSP	See Remark 2	ug/m3
HKLR	HY/2011/03	2016-07-14	AMS5	17:11	24-hr TSP	44	ug/m3
HKLR	HY/2011/03	2016-07-18	AMS5	08:00	24-hr TSP	79	ug/m3
HKLR	HY/2011/03	2016-07-22	AMS5	08:00	24-hr TSP	33	ug/m3

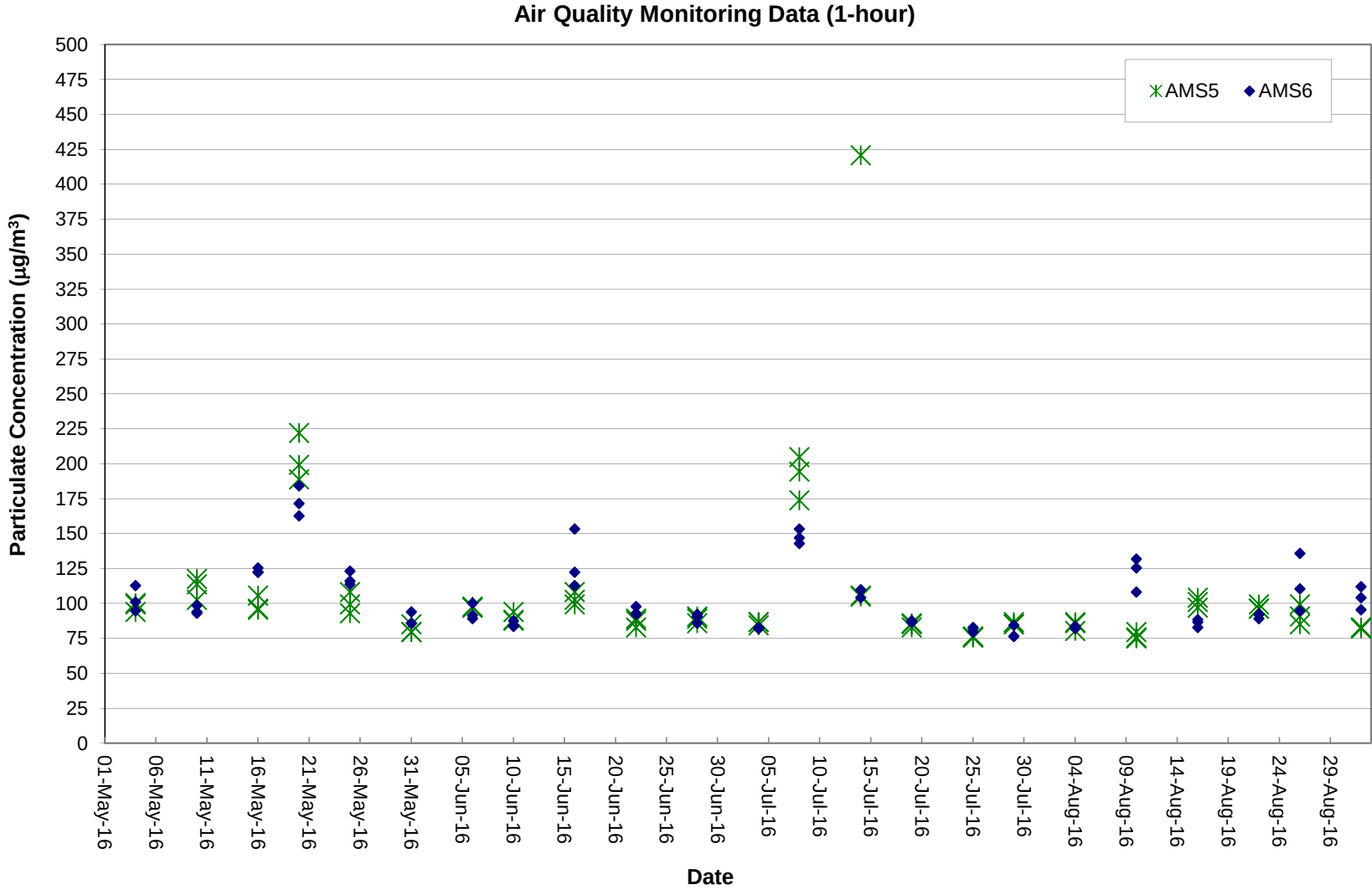
Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2016-07-28	AMS5	08:00	24-hr TSP	20	ug/m3
HKLR	HY/2011/03	2016-08-03	AMS5	08:00	24-hr TSP	21	ug/m3
HKLR	HY/2011/03	2016-08-09	AMS5	08:00	24-hr TSP	55	ug/m3
HKLR	HY/2011/03	2016-08-15	AMS5	08:00	24-hr TSP	27	ug/m3
HKLR	HY/2011/03	2016-08-19	AMS5	08:00	24-hr TSP	52	ug/m3
HKLR	HY/2011/03	2016-08-25	AMS5	08:00	24-hr TSP	36	ug/m ³
HKLR	HY/2011/03	2016-08-31	AMS5	08:00	24-hr TSP	43	ug/m ³
HKLR	HY/2011/03	2016-06-06	AMS6	09:03	1-hr TSP	91	ug/m3
HKLR	HY/2011/03	2016-06-06	AMS6	10:03	1-hr TSP	100	ug/m3
HKLR	HY/2011/03	2016-06-06	AMS6	11:03	1-hr TSP	89	ug/m3
HKLR	HY/2011/03	2016-06-10	AMS6	09:01	1-hr TSP	84	ug/m3
HKLR	HY/2011/03	2016-06-10	AMS6	10:01	1-hr TSP	84	ug/m3
HKLR	HY/2011/03	2016-06-10	AMS6	11:01	1-hr TSP	88	ug/m3
HKLR	HY/2011/03	2016-06-16	AMS6	08:49	1-hr TSP	153	ug/m3
HKLR	HY/2011/03	2016-06-16	AMS6	09:49	1-hr TSP	113	ug/m3
HKLR	HY/2011/03	2016-06-16	AMS6	10:49	1-hr TSP	122	ug/m3
HKLR	HY/2011/03	2016-06-22	AMS6	08:59	1-hr TSP	92	ug/m3
HKLR	HY/2011/03	2016-06-22	AMS6	09:59	1-hr TSP	93	ug/m3
HKLR	HY/2011/03	2016-06-22	AMS6	10:59	1-hr TSP	98	ug/m3
HKLR	HY/2011/03	2016-06-28	AMS6	08:58	1-hr TSP	92	ug/m3
HKLR	HY/2011/03	2016-06-28	AMS6	09:58	1-hr TSP	91	ug/m3
HKLR	HY/2011/03	2016-06-28	AMS6	10:58	1-hr TSP	86	ug/m3
HKLR	HY/2011/03	2016-07-04	AMS6	09:00	1-hr TSP	83	ug/m3
HKLR	HY/2011/03	2016-07-04	AMS6	10:00	1-hr TSP	82	ug/m3
HKLR	HY/2011/03	2016-07-04	AMS6	11:00	1-hr TSP	82	ug/m3
HKLR	HY/2011/03	2016-07-08	AMS6	13:26	1-hr TSP	153	ug/m3
HKLR	HY/2011/03	2016-07-08	AMS6	14:26	1-hr TSP	143	ug/m3
HKLR	HY/2011/03	2016-07-08	AMS6	15:26	1-hr TSP	147	ug/m3
HKLR	HY/2011/03	2016-07-14	AMS6	09:16	1-hr TSP	110	ug/m ³
HKLR	HY/2011/03	2016-07-14	AMS6	10:16	1-hr TSP	110	ug/m ³
HKLR	HY/2011/03	2016-07-14	AMS6	11:16	1-hr TSP	104	ug/m ³
HKLR	HY/2011/03	2016-07-19	AMS6	09:36	1-hr TSP	88	ug/m3
HKLR	HY/2011/03	2016-07-19	AMS6	10:36	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2016-07-19	AMS6	11:36	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2016-07-25	AMS6	13:27	1-hr TSP	80	ug/m3
HKLR	HY/2011/03	2016-07-25	AMS6	14:27	1-hr TSP	83	ug/m3
HKLR	HY/2011/03	2016-07-25	AMS6	15:27	1-hr TSP	82	ug/m3
HKLR	HY/2011/03	2016-07-29	AMS6	13:33	1-hr TSP	76	ug/m3
HKLR	HY/2011/03	2016-07-29	AMS6	14:33	1-hr TSP	76	ug/m3
HKLR	HY/2011/03	2016-07-29	AMS6	15:33	1-hr TSP	84	ug/m3
HKLR	HY/2011/03	2016-08-04	AMS6	09:36	1-hr TSP	82	ug/m3
HKLR	HY/2011/03	2016-08-04	AMS6	10:36	1-hr TSP	84	ug/m3
HKLR	HY/2011/03	2016-08-04	AMS6	11:36	1-hr TSP	84	ug/m3
HKLR	HY/2011/03	2016-08-10	AMS6	08:43	1-hr TSP	108	ug/m3
HKLR	HY/2011/03	2016-08-10	AMS6	09:43	1-hr TSP	132	ug/m3
HKLR	HY/2011/03	2016-08-10	AMS6	10:43	1-hr TSP	126	ug/m3
HKLR	HY/2011/03	2016-08-16	AMS6	09:37	1-hr TSP	88	ug/m3
HKLR	HY/2011/03	2016-08-16	AMS6	10:37	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2016-08-16	AMS6	11:37	1-hr TSP	83	ug/m3
HKLR	HY/2011/03	2016-08-22	AMS6	13:05	1-hr TSP	92	ug/m3
HKLR	HY/2011/03	2016-08-22	AMS6	14:05	1-hr TSP	92	ug/m3
HKLR	HY/2011/03	2016-08-22	AMS6	15:05	1-hr TSP	89	ug/m3
HKLR	HY/2011/03	2016-08-26	AMS6	13:05	1-hr TSP	95	ug/m3
HKLR	HY/2011/03	2016-08-26	AMS6	14:05	1-hr TSP	110	ug/m3
HKLR	HY/2011/03	2016-08-26	AMS6	15:05	1-hr TSP	136	ug/m3
HKLR	HY/2011/03	2016-06-03	AMS6	08:00	24-hr TSP	63	ug/m3
HKLR	HY/2011/03	2016-06-08	AMS6	08:00	24-hr TSP	34	ug/m3
HKLR	HY/2011/03	2016-06-14	AMS6	08:00	24-hr TSP	42	ug/m3
HKLR	HY/2011/03	2016-06-20	AMS6	08:00	24-hr TSP	39	ug/m3
HKLR	HY/2011/03	2016-06-24	AMS6	08:00	24-hr TSP	51	ug/m3
HKLR	HY/2011/03	2016-06-30	AMS6	08:00	24-hr TSP	26	ug/m3

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2016-07-06	AMS6	See Remark 3	24-hr TSP	See Remark 3	ug/m3
HKLR	HY/2011/03	2016-07-13	AMS6	08:00	24-hr TSP	37	ug/m3
HKLR	HY/2011/03	2016-07-18	AMS6	08:00	24-hr TSP	34	ug/m3
HKLR	HY/2011/03	2016-07-22	AMS6	08:00	24-hr TSP	39	ug/m3
HKLR	HY/2011/03	2016-07-28	AMS6	08:00	24-hr TSP	45	ug/m3
HKLR	HY/2011/03	2016-08-03	AMS6	08:00	24-hr TSP	31	ug/m3
HKLR	HY/2011/03	2016-08-09	AMS6	08:00	24-hr TSP	66	ug/m3
HKLR	HY/2011/03	2016-08-15	AMS6	08:00	24-hr TSP	25	ug/m3
HKLR	HY/2011/03	2016-08-19	AMS6	08:00	24-hr TSP	53	ug/m3
HKLR	HY/2011/03	2016-08-25	AMS6	08:00	24-hr TSP	64	ug/m ³
HKLR	HY/2011/03	2016-08-31	AMS6	08:00	24-hr TSP	44	ug/m ³

Remark:

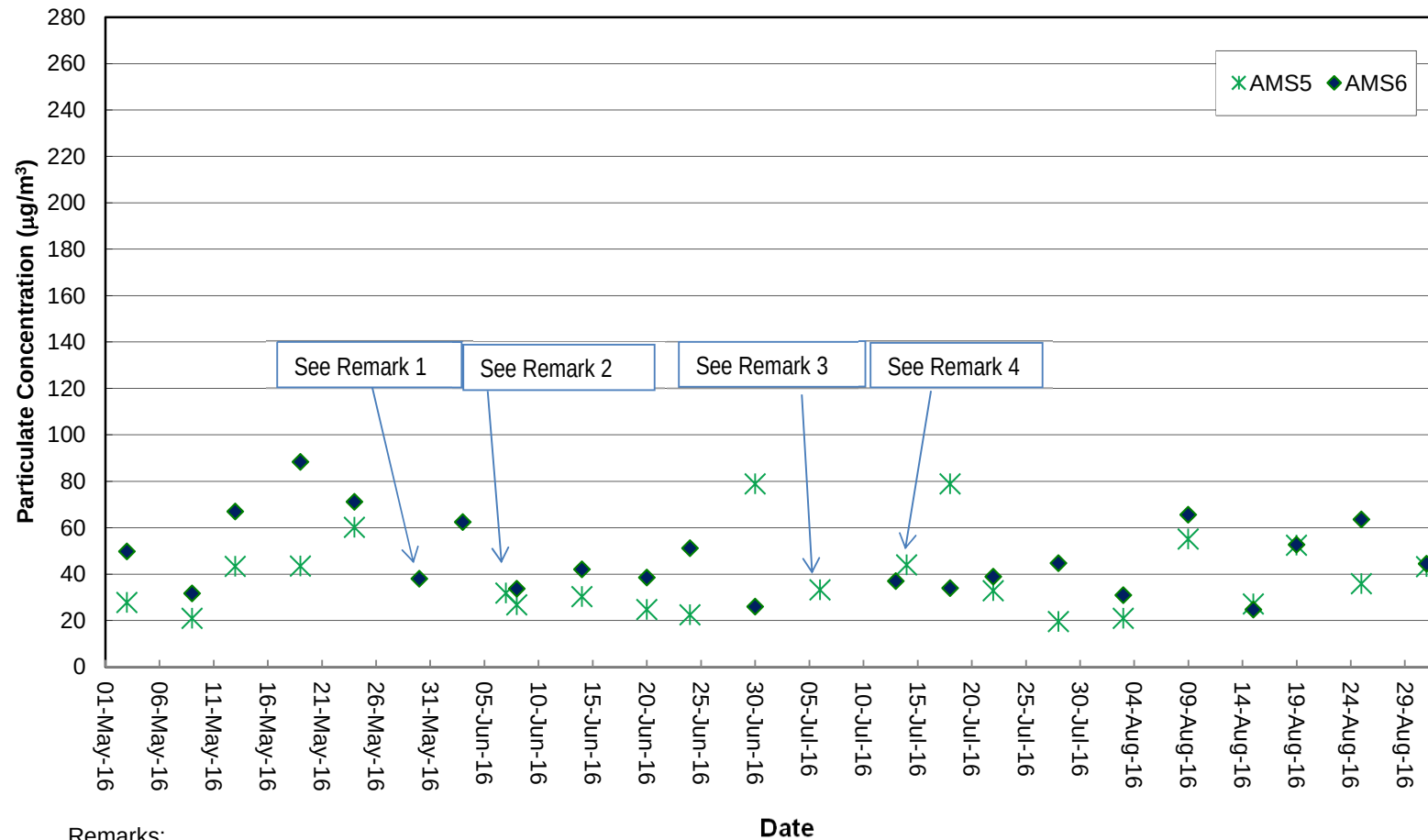
1. Due to malfunction of HVS at station AMS5 - Ma Wan Chung Village on 3 Jun 2016, the 24-hr TSP monitoring at AMS5 on 3 Jun 2016 was cancelled and rescheduled on 7 Jun 2016.
2. Due to power interruption of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 was rescheduled from 12 July 2016 to 14 July 2016.
3. Due to malfunction of HVS at station AMS6, the 24-hr TSP monitoring on 6 July 2016 was cancelled. The HVS was repaired on 13 July 2016. The 24-hr TSP monitoring at AMS6 was rescheduled from 12 July 2016 to 13 July 2016.

Graphical Plot of 1-hour TSP at AMS5 and AMS6



Graphical Plot of 24-hour TSP at AMS5 and AMS6

Air Quality Monitoring Data (24-hour)



Remarks:

- 1) Due to power interruption and malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 on 30 May 2016 was cancelled.
- 2) Due to power interruption and malfunction of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 on 3 June 2016 was rescheduled to 7 June 2016.
- 3) Due to malfunction of HVS at station AMS6, the 24-hr TSP monitoring on 6 July 2016 was cancelled. The HVS was repaired on 13 July 2016. The 24-hr TSP monitoring at AMS6 was rescheduled from 12 July 2016 to 13 July 2016.
- 4) Due to power interruption of HVS at station AMS5, the 24-hr TSP monitoring at AMS5 was rescheduled from 12 July 2016 to 14 July 2016.



路政署
HIGHWAYS DEPARTMENT

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

Contract No. HY/2011/03 : Hong Kong-Zhuhai-Macao Bridge

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

16th Quarterly EM&A Report

APPENDIX H

Noise Monitoring Data and Graphical Plots



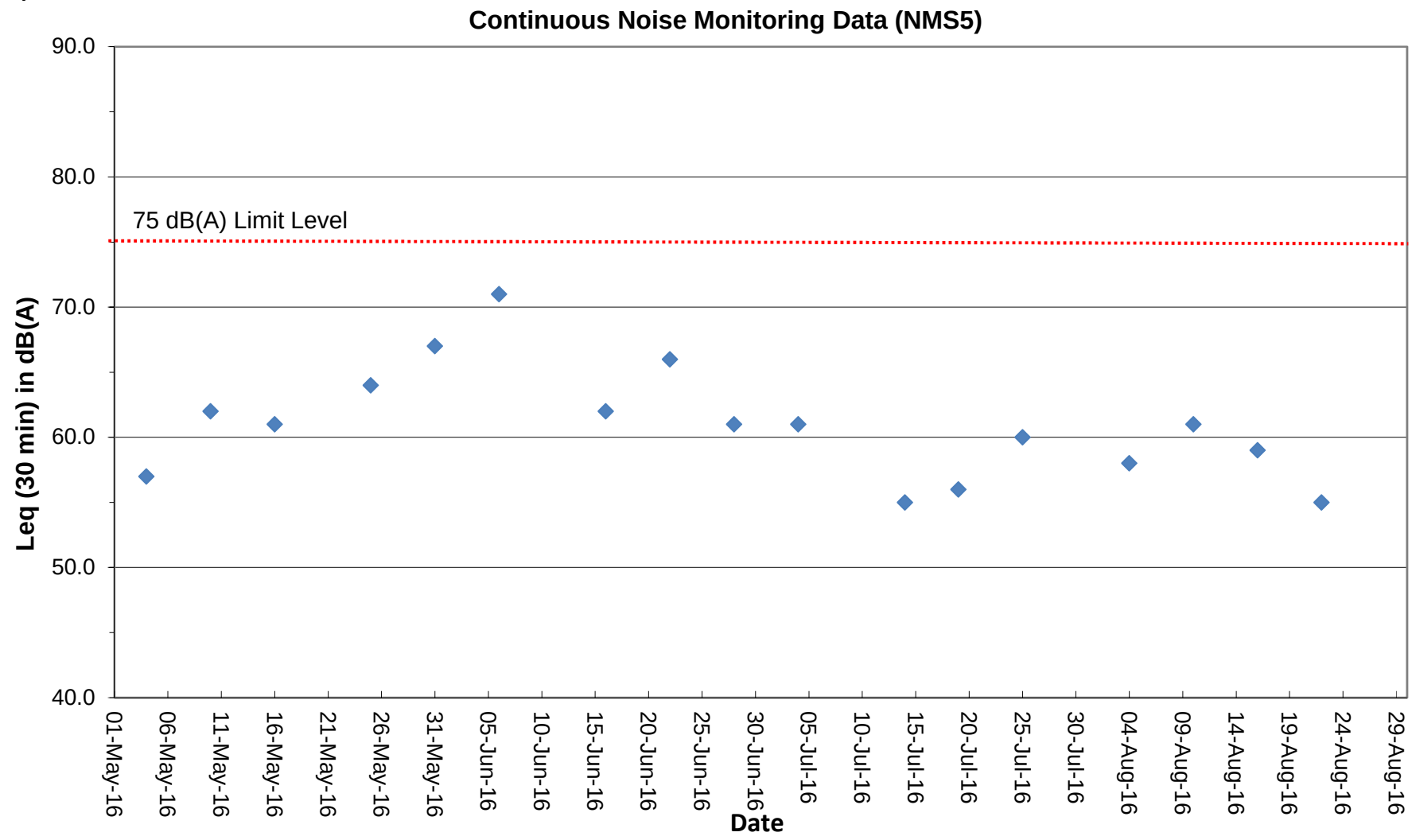
中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

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	2016-06-06	NMS5	13:14	<5	Leq: 67.9	Leq: 65.8	Leq: 68.5	Leq: 69.0	Leq: 68.8	Leq: 68.1	Leq: 71.1	dB(A)
						L10: 65.0	L10: 69.0	L10: 70.5	L10: 70.5	L10: 70.5	L10: 70.0	L10: 72.6	
						L90: 52.5	L90: 59.0	L90: 62.5	L90: 65.5	L90: 66.5	L90: 64.0	L90: 66.4	
HKLR	HY/2011/03	2016-06-16	NMS5	13:16	<5	Leq: 58.6	Leq: 58.3	Leq: 58.7	Leq: 59.6	Leq: 59.3	Leq: 61.4	Leq: 62.4	dB(A)
						L10: 56.0	L10: 60.5	L10: 63.0	L10: 64.5	L10: 64.0	L10: 65.5	L10: 66.2	
						L90: 49.0	L90: 49.0	L90: 50.0	L90: 49.0	L90: 49.5	L90: 49.5	L90: 52.3	
HKLR	HY/2011/03	2016-06-22	NMS5	13:09	<5	Leq: 65.5	Leq: 61.7	Leq: 62.4	Leq: 62.2	Leq: 60.6	Leq: 61.9	Leq: 65.7	dB(A)
						L10: 65.5	L10: 66.5	L10: 66.5	L10: 66.5	L10: 65.0	L10: 66.0	L10: 69.0	
						L90: 53.0	L90: 53.5	L90: 54.0	L90: 54.0	L90: 51.0	L90: 49.5	L90: 55.8	
HKLR	HY/2011/03	2016-06-28	NMS5	13:00	<5	Leq: 60.1	Leq: 56.9	Leq: 58.7	Leq: 59.0	Leq: 54.4	Leq: 57.7	Leq: 61.1	dB(A)
						L10: 64.0	L10: 63.0	L10: 63.5	L10: 63.5	L10: 56.0	L10: 58.5	L10: 65.3	
						L90: 49.5	L90: 48.5	L90: 49.0	L90: 49.0	L90: 49.5	L90: 56.5	L90: 54.5	
HKLR	HY/2011/03	2016-07-04	NMS5	13:13	<5	Leq: 61.1	Leq: 58.9	Leq: 59.9	Leq: 53.4	Leq: 55.3	Leq: 51.9	Leq: 61.0	dB(A)
						L10: 53.5	L10: 63.5	L10: 65.5	L10: 56.5	L10: 58.5	L10: 53.5	L10: 63.9	
						L90: 48.5	L90: 48.0	L90: 48.5	L90: 49.0	L90: 51.5	L90: 49.5	L90: 52.3	
HKLR	HY/2011/03	2016-07-14	NMS5	14:39	<5	Leq: 54.0	Leq: 49.6	Leq: 50.4	Leq: 49.8	Leq: 53.0	Leq: 53.9	Leq: 55.2	dB(A)
						L10: 54.0	L10: 51.0	L10: 51.5	L10: 51.5	L10: 57.0	L10: 54.0	L10: 56.7	
						L90: 48.0	L90: 47.0	L90: 47.0	L90: 47.5	L90: 47.0	L90: 47.5	L90: 50.3	
HKLR	HY/2011/03	2016-07-19	NMS5	13:48	<5	Leq: 50.1	Leq: 51.0	Leq: 54.0	Leq: 54.6	Leq: 52.9	Leq: 51.8	Leq: 55.7	dB(A)
						L10: 54.5	L10: 54.5	L10: 55.5	L10: 56.0	L10: 55.5	L10: 54.5	L10: 58.1	
						L90: 47.0	L90: 47.0	L90: 47.5	L90: 49.0	L90: 48.5	L90: 49.0	L90: 51.1	
HKLR	HY/2011/03	2016-07-25	NMS5	10:06	<5	Leq: 58.4	Leq: 56.3	Leq: 52.9	Leq: 60.2	Leq: 55.9	Leq: 57.9	Leq: 60.5	dB(A)
						L10: 62.0	L10: 60.0	L10: 55.0	L10: 63.5	L10: 57.5	L10: 61.0	L10: 63.6	
						L90: 50.0	L90: 50.0	L90: 50.0	L90: 51.0	L90: 52.5	L90: 53.0	L90: 54.3	
HKLR	HY/2011/03	2016-08-04	NMS5	14:05	<5	Leq: 55.7	Leq: 55.7	Leq: 55.5	Leq: 55.1	Leq: 52.3	Leq: 53.5	Leq: 57.8	dB(A)
						L10: 60.0	L10: 59.5	L10: 58.5	L10: 57.5	L10: 55.5	L10: 56.5	L10: 61.2	
						L90: 48.5	L90: 49.0	L90: 49.5	L90: 49.0	L90: 49.0	L90: 49.5	L90: 52.1	
HKLR	HY/2011/03	2016-08-10	NMS5	13:58	<5	Leq: 60.9	Leq: 59.6	Leq: 55.3	Leq: 56.6	Leq: 54.4	Leq: 54.4	Leq: 60.6	dB(A)
						L10: 63.0	L10: 63.0	L10: 55.5	L10: 62.5	L10: 58.0	L10: 56.5	L10: 63.8	
						L90: 50.0	L90: 50.5	L90: 50.0	L90: 49.5	L90: 48.0	L90: 48.5	L90: 52.5	
HKLR	HY/2011/03	2016-08-16	NMS5	15:34	<5	Leq: 55.8	Leq: 54.4	Leq: 57.2	Leq: 53.7	Leq: 54.2	Leq: 57.5	Leq: 58.7	dB(A)
						L10: 59.5	L10: 58.0	L10: 61.0	L10: 57.5	L10: 58.0	L10: 62.0	L10: 62.7	
						L90: 47.5	L90: 48.5	L90: 49.0	L90: 47.0	L90: 47.5	L90: 47.5	L90: 50.9	
HKLR	HY/2011/03	2016-08-22	NMS5	10:06	<5	Leq: 53.5	Leq: 53.7	Leq: 49.4	Leq: 47.8	Leq: 52.4	Leq: 51.9	Leq: 54.9	dB(A)
						L10: 57.0	L10: 57.0	L10: 52.5	L10: 48.5	L10: 55.5	L10: 55.0	L10: 58.1	
						L90: 47.5	L90: 47.0	L90: 47.0	L90: 46.5	L90: 47.5	L90: 48.5	L90: 50.4	

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	2016-06-01	Mid-Ebb	Sunny	IS5	11:41:39	1.0	Surface	1	1	29.06	8.59	16.26	96	6.74	6.8	8.4
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:41:06	1.0	Surface	1	2	28.97	8.58	16.48	94.8	6.66	6.8	8.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:40:54	4.5	Middle	2	1	27.05	8.41	25.25	92.1	6.33	7	8.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:41:26	4.5	Middle	2	2	27.03	8.4	25.83	95.5	6.57	6.9	7.8
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:40:48	8.0	Bottom	3	1	27.01	8.4	26.2	87.6	6.05	7	8.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS5	11:41:20	8.0	Bottom	3	2	27.03	8.41	26.17	90	6.2	6.9	8.8
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)6	11:31:33	1.0	Surface	1	1	28.63	8.56	17.46	113.1	7.95	7.1	9.4
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)6	11:31:25	1.0	Surface	1	2	28.59	8.56	17.62	112.3	7.89	7.3	8.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)6	11:31:29	2.4	Bottom	3	1	28.77	8.56	19.35	113.1	7.85	7.1	9.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)6	11:31:20	2.4	Bottom	3	2	28.74	8.56	19.42	111.8	7.76	7.4	8.8
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS7	11:27:18	1.0	Surface	1	1	28.87	8.6	17.58	115.9	8.11	6.9	8
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS7	11:27:25	1.0	Surface	1	2	28.66	8.57	17.69	116.2	8.09	6.9	8.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS7	11:27:22	2.5	Bottom	3	1	28.86	8.58	18.9	115.3	8.07	6.9	9.9
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS7	11:27:13	2.5	Bottom	3	2	28.84	8.6	17.78	114.9	8.03	7	8.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS8	10:51:52	1.0	Surface	1	1	29.18	8.68	16.15	141.5	9.93	6.6	8.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS8	10:51:25	1.0	Surface	1	2	29.17	8.66	16.14	142	9.96	6.5	8.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS8	10:51:10	2.3	Bottom	3	1	29.2	8.65	16.06	141.2	9.9	6.7	8.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS8	10:51:29	2.3	Bottom	3	2	29.18	8.66	16.12	141.5	9.92	6.6	9.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)9	11:17:11	1.0	Surface	1	1	28.74	8.57	17.77	120.7	8.4	6.3	5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)9	11:17:02	1.0	Surface	1	2	28.85	8.58	17.15	120.6	8.46	6.3	4.9
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)9	11:17:06	2.4	Bottom	3	1	28.89	8.58	18.54	120	8.4	6.3	6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS(Mf)9	11:16:58	2.4	Bottom	3	2	28.96	8.59	17.82	120.5	8.41	6.3	6.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:14	1.0	Surface	1	1	28.36	8.34	11.15	91.7	6.7	7.9	2.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:46	1.0	Surface	1	2	28.5	8.39	11.18	91	6.64	7.8	4.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:05	5.2	Middle	2	1	27.86	8.14	16.82	91.5	6.54	9	3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:34	5.2	Middle	2	2	27.77	8.15	19.13	87	6.14	8.8	3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	10:00:27	9.4	Bottom	3	1	27.77	8.11	20.74	90.4	6.33	8.3	3.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	IS10	09:59:59	9.4	Bottom	3	2	28.07	8.17	18.87	95.5	6.73	8.6	4.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR3	11:45:55	0.8	Middle	2	1	29.1	8.65	16.49	128.6	9.01	6.9	4.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR3	11:45:52	0.8	Middle	2	2	29.08	8.65	16.51	128.4	9.01	6.8	5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR4	11:01:28	1.0	Surface	1	1	29.04	8.62	14.99	118.7	8.4	5.7	6.4
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR4	11:01:44	1.0	Surface	1	2	29.01	8.6	15.03	120.5	8.53	5.6	6.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR4	11:01:22	2.4	Bottom	3	1	29.06	8.62	14.99	117.7	8.32	6	6.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR4	11:01:33	2.4	Bottom	3	2	29.02	8.61	15.03	119.6	8.46	6	6.5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR5	10:09:54	1.0	Surface	1	1	28.46	8.37	11.24	95.8	6.99	7.2	2.5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR5	10:10:20	1.0	Surface	1	2	28.59	8.39	11.12	96.8	7.05	7	3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR5	10:10:06	4.1	Bottom	3	1	28.14	8.23	16.04	95.1	6.79	7.2	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR5	10:09:45	4.1	Bottom	3	2	28.16	8.23	15.6	95.4	6.83	7.4	3.5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:41	1.0	Surface	1	1	28.42	8.35	13.83	97	6.98	2.1	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:12	1.0	Surface	1	2	28.33	8.36	14.1	96	6.91	2	3.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:33	3.0	Middle	2	1	28.34	8.34	14.24	96.6	6.94	2.2	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:08	3.0	Middle	2	2	28.24	8.33	14.27	95.5	6.88	2	2.5
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:03	5.0	Bottom	3	1	28.1	8.27	15.09	95.5	6.86	2.1	2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10A	09:32:26	5.0	Bottom	3	2	28.32	8.32	14.89	96.3	6.9	2.3	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10B	09:23:13	1.0	Surface	1	1	28.46	8.37	13.45	98.8	7.12	2.1	0.9
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10B	09:23:36	1.0	Surface	1	2	28.48	8.36	13.13	98.7	7.12	2.1	0.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10B	09:23:23	3.9	Bottom	3	1	28.39	8.34	13.97	98.5	7.08	2.3	1.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	SR10B	09:22:59	3.9	Bottom	3	2	28.46	8.37	13.83	98.8	7.1	2.1	1.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:30:10	1.0	Surface	1	1	28.82	8.45	10.7	96.7	7.03	7.7	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:30:53	1.0	Surface	1	2	28.82	8.45	10.7	97.7	7.11	7.4	2.2
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:30:35	3.9	Middle	2	1	28.07	8.31	13.74	88.1	6.38	8.3	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:29:49	3.9	Middle	2	2	27.76	8.24	16.14	82.6	5.93	8.2	2.8

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:30:28	6.7	Bottom	3	1	27.71	8.17	19.95	89.5	6.3	9.8	2.3
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS2	11:29:38	6.7	Bottom	3	2	27.71	8.2	20.37	82.4	5.79	9.3	3.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:04:58	1.0	Surface	1	1	28.36	8.44	13.88	92.4	6.66	2	1.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:05:39	1.0	Surface	1	2	28.29	8.45	13.95	91.2	6.58	2.1	1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:05:27	6.4	Middle	2	1	27.67	8.29	22.26	88.2	6.14	2.2	1.1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:04:43	6.4	Middle	2	2	27.51	8.26	22.31	89.2	6.22	2.1	1
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:05:12	11.8	Bottom	3	1	27.6	8.18	29.26	91.3	6.11	2.4	1.6
HKLR	HY/2011/03	2016-06-01	Mid-Ebb	Sunny	CS(Mf)5	10:04:33	11.8	Bottom	3	2	27.87	8.21	28.28	91.6	6.14	2.2	1.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:21:17	1.0	Surface	1	1	29.45	8.75	16.28	123	8.58	5.4	6.9
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:20:34	1.0	Surface	1	2	29.55	8.78	16.1	132.7	9.25	5.5	7.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:20:17	4.5	Middle	2	1	28.72	8.71	17.43	115	8.02	5.6	9.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:21:04	4.5	Middle	2	2	28.44	8.67	18.39	112.2	7.81	5.5	9.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:20:54	8.0	Bottom	3	1	27.69	8.62	21.87	106	7.43	5.8	8.9
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS5	14:20:03	8.0	Bottom	3	2	27.76	8.65	21.56	112.1	7.86	5.6	9.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)6	14:27:31	1.0	Surface	1	1	30.02	8.87	16.1	157.8	10.92	4.7	7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)6	14:27:45	1.0	Surface	1	2	30.13	8.89	16.03	163.6	11.3	4.5	7.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)6	14:27:38	2.2	Bottom	3	1	30.08	8.88	16.08	161.1	11.13	4.6	7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)6	14:27:27	2.2	Bottom	3	2	30.07	8.87	16.07	155	10.72	4.7	7.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS7	14:34:35	1.0	Surface	1	1	30.04	8.92	16.15	167.5	11.58	4.5	7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS7	14:34:45	1.0	Surface	1	2	30.09	8.92	16.11	167.6	11.58	4.5	7.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS7	14:34:39	2.5	Bottom	3	1	30.12	8.92	16.11	167.6	11.57	4.5	7.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS7	14:34:31	2.5	Bottom	3	2	30.16	8.92	16.09	167.4	11.56	4.5	8.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS8	15:01:27	1.0	Surface	1	1	29.08	8.72	15.76	126.7	8.92	10.1	6.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS8	15:02:25	1.0	Surface	1	2	29.18	8.72	15.39	134.1	9.45	10.2	7.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS8	15:01:24	2.4	Bottom	3	1	29.08	8.72	15.71	125.6	8.84	10.3	7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS8	15:01:30	2.4	Bottom	3	2	29.2	8.73	15.5	128.2	9.02	10.4	8.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)9	14:40:42	1.0	Surface	1	1	30.1	8.94	16.14	168.7	11.65	4.5	7.3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)9	14:40:33	1.0	Surface	1	2	30.12	8.94	16.11	168.6	11.64	4.4	7.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)9	14:40:28	2.5	Bottom	3	1	30.15	8.93	16.11	168.3	11.62	4.4	7.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS(Mf)9	14:40:37	2.5	Bottom	3	2	30.15	8.94	16.13	168.4	11.62	4.5	7.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:12	1.0	Surface	1	1	28.73	8.47	12.31	94.8	6.84	7.8	2.9
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:45	1.0	Surface	1	2	28.65	8.46	12.33	94.8	6.86	7.5	3.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:35	5.3	Middle	2	1	27.75	8.26	19.08	91.6	6.47	8.1	2.9
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:01	5.3	Middle	2	2	27.68	8.26	19.3	89.4	6.32	8.3	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:49:29	9.6	Bottom	3	1	27.96	8.25	23.44	94.9	6.52	8.2	3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	IS10	15:48:54	9.6	Bottom	3	2	27.44	8.17	24.26	93.7	6.47	8.5	2.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR3	14:12:50	0.7	Middle	2	1	29.69	8.87	15.27	148.2	10.35	5.3	11.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR3	14:12:47	0.7	Middle	2	2	29.7	8.86	15.25	146.7	10.25	5.4	10.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR4	14:55:50	1.0	Surface	1	1	29.16	8.78	15.16	133.8	9.42	9.8	7.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR4	14:55:59	1.0	Surface	1	2	29.16	8.77	15.17	133.3	9.37	9.9	8.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR4	14:55:53	2.4	Bottom	3	1	29.2	8.78	15.86	132.9	9.36	10	8.3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR4	14:55:46	2.4	Bottom	3	2	29.28	8.78	15.85	133.5	9.38	9.9	8.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR5	15:42:18	1.0	Surface	1	1	28.42	8.39	12.39	100.7	7.31	6.8	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR5	15:42:02	1.0	Surface	1	2	28.83	8.43	12.28	103.4	7.45	6.8	3.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR5	15:42:12	4.1	Bottom	3	1	28.38	8.33	16.69	102.8	7.29	7	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR5	15:41:52	4.1	Bottom	3	2	28.71	8.38	16.43	103.2	7.28	6.8	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:10:12	1.0	Surface	1	1	28.99	8.6	12.91	101.1	7.67	1.7	2.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:09:37	1.0	Surface	1	2	28.87	8.6	13.1	104	7.46	1.6	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:09:28	3.1	Middle	2	1	27.98	8.51	14.33	98.4	6.97	1.7	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:10:04	3.1	Middle	2	2	28.79	8.53	14.28	106.5	7.39	1.7	3.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:09:22	5.1	Bottom	3	1	27.6	8.38	22.8	96.4	6.83	1.7	3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10A	16:09:55	5.1	Bottom	3	2	27.53	8.36	23.21	107.1	7.21	1.7	2.9

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	2016-06-01	Mid-Flood	Sunny	SR10B	16:16:42	1.0	Surface	1	1	29.31	8.6	12.85	119.8	8.54	1.6	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10B	16:16:13	1.0	Surface	1	2	29.06	8.59	12.89	118.5	8.45	1.8	2.2
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10B	16:16:05	3.9	Bottom	3	1	29.22	8.58	14.59	118.1	8.38	1.8	2.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	SR10B	16:16:23	3.9	Bottom	3	2	29.02	8.54	16.72	118.4	8.3	1.6	3.2
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:42	1.0	Surface	1	1	29.32	8.4	11.12	99.3	7.14	7.9	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:28:20	1.0	Surface	1	2	29.33	8.43	11.27	107.2	7.7	7.3	2.5
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:27	3.8	Middle	2	1	27.71	8.14	20.73	87.3	6.12	10.2	3
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:59	3.8	Middle	2	2	27.78	8.2	18.77	93.5	6.62	9.3	3.2
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:53	6.5	Bottom	3	1	27.74	8.19	20.43	99.4	6.98	9.1	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS2	14:27:14	6.5	Bottom	3	2	27.81	8.16	18.48	92.5	6.56	9.6	2.7
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:39:26	1.0	Surface	1	1	29.37	8.65	12.51	104	7.42	1.9	3.8
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:38:26	1.0	Surface	1	2	29.19	8.67	12.56	103.2	6.96	1.8	2.6
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:38:14	6.3	Middle	2	1	27.21	8.42	24.43	93.6	6.7	2	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:39:03	6.3	Middle	2	2	27.26	8.42	24.25	90.8	6.15	2	2.1
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:38:46	11.6	Bottom	3	1	26.68	8.33	30.01	84.5	5.85	2.2	2.4
HKLR	HY/2011/03	2016-06-01	Mid-Flood	Sunny	CS(Mf)5	15:37:19	11.6	Bottom	3	2	26.87	8.41	30.25	81.9	5.67	2.2	2.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:42	1.0	Surface	1	1	29.34	8.5	16.62	122.4	8.54	8.8	9.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:18:13	1.0	Surface	1	2	29.43	8.53	16.68	127.3	8.86	9.2	9.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:56	4.2	Middle	2	1	28.89	8.48	17.33	121.1	8.48	9.2	9.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:28	4.2	Middle	2	2	28.93	8.47	17.29	117.3	8.21	9	9.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:49	7.3	Bottom	3	1	29.19	8.48	18.67	124.2	8.59	11	10.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS5	12:17:20	7.3	Bottom	3	2	29.02	8.47	18.11	121.4	8.44	10.5	10
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)6	12:06:18	1.0	Surface	1	1	28.9	8.36	16.01	104.8	7.39	2.2	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)6	12:06:03	1.0	Surface	1	2	28.92	8.36	15.84	104.7	7.39	2	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)6	12:06:09	2.4	Bottom	3	1	28.9	8.35	16.22	104.7	7.37	2.5	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)6	12:05:54	2.4	Bottom	3	2	28.89	8.35	16.58	104.5	7.35	2.5	2.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS7	11:58:53	1.0	Surface	1	1	28.96	8.37	15.54	105.4	7.45	2.4	3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS7	11:58:40	1.0	Surface	1	2	28.99	8.37	15.54	105.5	7.45	2.5	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS7	11:58:44	2.3	Bottom	3	1	28.97	8.36	16.52	105.3	7.4	2.8	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS7	11:58:30	2.3	Bottom	3	2	28.92	8.36	16.37	105	7.39	3	4.2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS8	11:30:44	1.0	Surface	1	1	28.68	8.38	16.68	99.4	7.01	3.9	2.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS8	11:31:02	1.0	Surface	1	2	28.75	8.38	16.74	99.9	7.04	3.8	2.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS8	11:30:35	2.8	Bottom	3	1	28.64	8.37	17.26	99.4	6.99	4.7	4.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS8	11:30:51	2.8	Bottom	3	2	28.61	8.37	17.27	99.3	6.99	4.5	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)9	11:51:15	1.0	Surface	1	1	28.94	8.37	15.6	104.8	7.4	3.1	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)9	11:51:30	1.0	Surface	1	2	28.94	8.37	15.6	105	7.41	2.8	2.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)9	11:51:22	2.6	Bottom	3	1	28.88	8.35	16.43	104.6	7.36	2.8	3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS(Mf)9	11:51:06	2.6	Bottom	3	2	28.92	8.36	16.43	104.3	7.34	2.6	2.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:47:44	1.0	Surface	1	1	28.86	8.5	14.25	96.8	6.65	4.8	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:47:04	1.0	Surface	1	2	28.78	8.49	14.64	96.4	6.87	4.9	3.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:47:31	5.4	Middle	2	1	27.75	8.3	23.17	96.1	6.85	5.8	4
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:46:51	5.4	Middle	2	2	27.91	8.31	23.18	96.4	6.6	5.6	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:46:42	9.7	Bottom	3	1	27.79	8.26	24.81	91.7	6.32	5.7	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	IS10	11:47:16	9.7	Bottom	3	2	27.52	8.27	24.86	89.7	6.2	5.7	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR3	12:27:03	0.8	Middle	2	1	29.49	8.46	16.82	137.1	9.53	6.5	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR3	12:27:08	0.8	Middle	2	2	29.49	8.46	16.83	137.6	9.56	6.4	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR4	11:42:21	1.0	Surface	1	1	28.65	8.36	16.93	99.6	7.02	3.6	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR4	11:42:05	1.0	Surface	1	2	28.68	8.36	16.9	99.4	7	3.5	2.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR4	11:41:56	2.8	Bottom	3	1	28.61	8.35	17.21	99.3	6.99	3.7	3.2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR4	11:42:12	2.8	Bottom	3	2	28.61	8.35	17.25	99.4	7	3.6	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR5	11:56:34	1.0	Surface	1	1	28.75	8.46	14.52	100.4	7.16	3.5	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR5	11:56:56	1.0	Surface	1	2	28.76	8.46	14.67	99.7	7.1	3.5	3.1

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	2016-06-03	Mid-Ebb	Sunny	SR5	11:56:45	4.2	Bottom	3	1	28.29	8.33	21.81	99.3	6.85	3.6	3.2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR5	11:56:24	4.2	Bottom	3	2	28.49	8.35	21.47	100.4	6.92	3.4	2.4
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:56	1.0	Surface	1	1	28.68	8.41	17.08	100.9	7.1	2.6	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:27	1.0	Surface	1	2	28.68	8.4	17.04	101.3	7.13	2.3	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:14	3.3	Middle	2	1	28.53	8.38	17.67	100.2	7.05	3	2.6
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:47	3.3	Middle	2	2	28.54	8.39	17.55	99.9	7.03	3.1	2.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:06	5.6	Bottom	3	1	28.5	8.33	21.29	100.4	6.92	3.3	2.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10A	10:03:39	5.6	Bottom	3	2	28.36	8.34	20.08	99.9	6.95	3.5	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10B	09:50:34	1.0	Surface	1	1	28.67	8.34	17.22	102.4	7.2	2.3	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10B	09:50:14	1.0	Surface	1	2	28.66	8.31	17.25	102.5	7.21	2.2	2.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10B	09:50:03	4.0	Bottom	3	1	28.64	8.27	18.21	102.2	7.15	2.4	2.9
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	SR10B	09:50:19	4.0	Bottom	3	2	28.67	8.31	18.05	102.3	7.16	2.3	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:07:22	1.0	Surface	1	1	28.83	8.51	14.66	95.9	6.82	3.6	2.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:06:22	1.0	Surface	1	2	28.8	8.5	14.62	96.1	6.84	3.7	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:07:05	4.0	Middle	2	1	27.76	8.33	22.6	88.3	6.1	5.5	2.2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:06:08	4.0	Middle	2	2	27.73	8.31	22.9	94.9	6.54	5.4	2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:05:57	6.9	Bottom	3	1	27.68	8.27	24.03	89.2	6.17	5.5	2.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS2	13:06:48	6.9	Bottom	3	2	27.66	8.3	23.56	85.7	5.94	5.4	2.1
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:47:09	1.0	Surface	1	1	28.72	8.45	16.71	101	7.11	2.4	2
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:34	1.0	Surface	1	2	28.7	8.45	16.72	100.5	7.08	2.6	2.7
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:23	6.9	Middle	2	1	28.41	8.4	19.11	99.1	6.93	3	2.4
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:56	6.9	Middle	2	2	28.4	8.4	18.93	99.4	6.95	2.8	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:49	12.7	Bottom	3	1	28.41	8.38	20.2	100	6.95	2.5	2.5
HKLR	HY/2011/03	2016-06-03	Mid-Ebb	Sunny	CS(Mf)5	10:46:15	12.7	Bottom	3	2	28.42	8.37	20.79	99.6	6.89	2.6	2.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:38:31	1.0	Surface	1	1	29.63	8.49	17.28	124.1	8.58	8.4	9.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:38:02	1.0	Surface	1	2	29.49	8.48	17.58	122.9	8.51	8.6	10.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:38:19	4.3	Middle	2	1	28.92	8.45	18.86	118.9	8.25	9.7	10.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:37:49	4.3	Middle	2	2	28.96	8.45	18.88	118.7	8.23	9.5	10.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:38:14	7.5	Bottom	3	1	29.02	8.45	18.84	122.1	8.46	9.4	10.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS5	16:37:43	7.5	Bottom	3	2	29.18	8.46	19.01	121	8.35	9.2	10.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)6	16:48:53	1.0	Surface	1	1	29.75	8.51	17.43	130.5	9.01	10.8	8.7
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)6	16:49:30	1.0	Surface	1	2	29.86	8.51	17.1	127.8	8.81	11	7.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)6	16:49:18	2.1	Bottom	3	1	28.99	8.46	18.6	123	8.54	12.1	8.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)6	16:48:36	2.1	Bottom	3	2	29.11	8.49	18.41	127.1	8.82	11.2	8.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS7	16:56:46	1.0	Surface	1	1	29.65	8.52	17.18	136.8	9.46	13.3	8.4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS7	16:56:35	1.0	Surface	1	2	29.83	8.52	17.1	133.9	9.24	12.7	8.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS7	16:56:27	2.4	Bottom	3	1	29.59	8.5	18.41	132.5	9.11	15.3	8.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS7	16:56:40	2.4	Bottom	3	2	29.73	8.51	18.28	137.1	9.42	14.2	8.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS8	17:26:48	1.0	Surface	1	1	29.47	8.51	16.98	136.4	9.48	10.2	8.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS8	17:27:00	1.0	Surface	1	2	29.49	8.52	16.96	137.2	9.53	10.3	7.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS8	17:26:41	2.9	Bottom	3	1	29.41	8.51	17.03	136.4	9.48	10.5	8.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS8	17:26:53	2.9	Bottom	3	2	29.51	8.52	16.95	137.2	9.52	10.3	8.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)9	17:04:48	1.0	Surface	1	1	30.05	8.59	17.39	142	9.75	16.9	21.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)9	17:05:02	1.0	Surface	1	2	30.06	8.59	17.36	140.8	9.67	17.2	21.7
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)9	17:04:41	2.6	Bottom	3	1	29.98	8.58	17.6	143	9.82	17	22.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS(Mf)9	17:04:56	2.6	Bottom	3	2	30	8.58	17.61	141.6	9.72	17.5	21.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:58:20	1.0	Surface	1	1	29.42	8.55	13.22	107.5	7.67	4.7	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:57:19	1.0	Surface	1	2	29.14	8.54	13.08	105.9	7.26	4.7	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:57:09	5.4	Middle	2	1	28.77	8.43	17.74	103.8	7.26	4.8	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:58:02	5.4	Middle	2	2	28.71	8.44	18.02	107.1	7.61	4.8	2.4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:57:44	9.8	Bottom	3	1	27.55	8.29	23.75	97.4	6.81	4.7	2.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	IS10	17:56:55	9.8	Bottom	3	2	28.71	8.37	21.77	91	6.29	4.8	2.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR3	16:24:03	0.9	Middle	2	1	29.38	8.51	17.04	125.2	8.71	8.5	7.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR3	16:23:53	0.9	Middle	2	2	29.54	8.48	16.72	122.1	8.49	8.9	7.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR4	17:14:10	1.0	Surface	1	1	29.53	8.53	16.94	135	9.37	9.7	8.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR4	17:14:31	1.0	Surface	1	2	29.54	8.53	16.96	138.3	9.6	9.5	8.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR4	17:14:00	2.7	Bottom	3	1	29.49	8.54	16.93	132.6	9.21	9.9	7.7
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR4	17:14:15	2.7	Bottom	3	2	29.53	8.53	16.94	135.9	9.43	9.7	8.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR5	17:43:44	1.0	Surface	1	1	29.17	8.48	13.71	108.2	7.69	1.8	2.4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR5	17:44:02	1.0	Surface	1	2	29.25	8.49	13.72	108.8	7.73	1.8	2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR5	17:43:51	4.3	Bottom	3	1	29.02	8.44	16.19	108.2	7.61	1.9	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR5	17:43:35	4.3	Bottom	3	2	28.95	8.43	16.18	108.1	7.68	1.8	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:07	1.0	Surface	1	1	29.3	8.52	15.33	107.8	7.58	3.2	3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:52	1.0	Surface	1	2	29.5	8.53	15.28	114.4	8.02	3	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:35	3.4	Middle	2	1	29.02	8.44	16.31	97.6	6.86	2.3	3.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:01	3.4	Middle	2	2	29	8.45	16.52	102.9	7.22	2.4	3.7
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:52:29	5.8	Bottom	3	1	27.32	8.31	27.12	102.7	6.99	3	3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10A	18:51:54	5.8	Bottom	3	2	27.47	8.34	26.61	109	7.42	3.3	3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10B	19:04:16	1.0	Surface	1	1	29.34	8.52	15.4	120	8.43	2	2.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10B	19:04:39	1.0	Surface	1	2	29.42	8.52	15.42	119.1	8.35	2.1	3.4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10B	19:04:27	4.2	Bottom	3	1	29	8.46	18.99	119.1	8.25	2	3.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	SR10B	19:04:07	4.2	Bottom	3	2	29.34	8.49	18.66	120.2	8.29	2	3.6
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:35	1.0	Surface	1	1	29.39	8.49	11.98	97.7	6.98	3.8	2.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:27:29	1.0	Surface	1	2	29.48	8.49	11.44	105.2	7.53	3.8	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:54	4.1	Middle	2	1	28.71	8.41	14.76	94.5	6.68	4.8	3.8
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:26	4.1	Middle	2	2	28.7	8.43	14.8	92.7	6.6	4.7	3.5
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:09	7.2	Bottom	3	1	28.53	8.4	16.8	92.5	6.53	4.7	3.2
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS2	16:26:44	7.2	Bottom	3	2	28.55	8.37	16.86	92.6	6.59	4.9	3.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:16:08	1.0	Surface	1	1	29.48	8.54	15.28	106.6	7.47	2.9	4
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:15:15	1.0	Surface	1	2	29.48	8.55	15.29	105.9	7.42	2.8	5.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:14:55	6.8	Middle	2	1	27.33	8.33	26.94	89	6.07	4	3.9
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:15:48	6.8	Middle	2	2	27.32	8.32	27	91.5	6.23	4.1	4.1
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:15:36	12.6	Bottom	3	1	27.38	8.31	27.17	103.1	7.01	3	4.3
HKLR	HY/2011/03	2016-06-03	Mid-Flood	Sunny	CS(Mf)5	18:14:41	12.6	Bottom	3	2	27.36	8.33	27.29	100.3	6.82	3.2	3.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:45:02	1.0	Surface	1	1	27.73	8.09	20.79	77.1	5.4	8.6	5.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:45:28	1.0	Surface	1	2	27.71	8.11	20.84	76.8	5.37	8.3	5.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:44:50	4.5	Middle	2	1	27.65	8.07	21.19	77	5.39	8.9	5.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:45:19	4.5	Middle	2	2	27.64	8.1	21.2	76.4	5.35	8.7	6.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:44:43	7.9	Bottom	3	1	27.69	8.06	21.15	76.6	5.36	9	5.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS5	12:45:11	7.9	Bottom	3	2	27.66	8.09	21.3	76.1	5.33	9.3	5.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)6	12:51:50	1.0	Surface	1	1	28.01	8.2	19.09	85.5	6.02	3	2.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)6	12:51:36	1.0	Surface	1	2	28.04	8.19	19.13	86.1	6.06	2.8	2.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)6	12:51:27	2.2	Bottom	3	1	28	8.17	19.49	86.2	6.05	2.9	2.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)6	12:51:43	2.2	Bottom	3	2	28	8.18	19.94	85.9	6.02	3	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS7	12:58:50	1.0	Surface	1	1	28.05	8.24	19.12	85.5	6.01	2.6	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS7	12:59:05	1.0	Surface	1	2	28.04	8.25	19.07	85.7	6.03	2.5	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS7	12:58:56	2.3	Bottom	3	1	28.01	8.23	19.6	85.6	6	2.6	2.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS7	12:58:41	2.3	Bottom	3	2	28.01	8.23	19.48	85.3	5.99	2.7	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS8	13:26:14	1.0	Surface	1	1	28.11	8.29	19.01	84.9	5.97	3.4	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS8	13:26:28	1.0	Surface	1	2	28.09	8.29	19.21	85.3	5.99	3.4	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS8	13:26:21	3.0	Bottom	3	1	28.08	8.28	19.34	85.1	5.97	3.5	2.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS8	13:26:04	3.0	Bottom	3	2	28.05	8.27	20.15	84.6	5.92	3.5	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)9	13:07:28	1.0	Surface	1	1	28.02	8.27	19.08	84.1	5.92	3.1	2.2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)9	13:07:11	1.0	Surface	1	2	28.01	8.26	19.08	84.3	5.94	3.2	2.4

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	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)9	13:07:20	2.8	Bottom	3	1	28	8.25	20.3	84.5	5.91	3.3	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS(Mf)9	13:07:05	2.8	Bottom	3	2	28	8.24	20.28	84.8	5.93	3.2	2.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:34:40	1.0	Surface	1	1	27.82	8.24	17.15	82.8	5.91	2.3	2.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:34:04	1.0	Surface	1	2	27.76	8.19	19.56	80.2	5.68	2.2	2.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:34:28	5.4	Middle	2	1	27.84	8.25	16.53	81.3	5.82	2.5	3.2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:33:39	5.4	Middle	2	2	27.81	8.26	16.14	79.8	5.73	2.5	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:34:16	9.8	Bottom	3	1	27.77	8.21	18.85	78.7	5.61	2.7	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	IS10	13:33:30	9.8	Bottom	3	2	27.74	8.2	19.29	78.2	5.51	2.8	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR3	12:33:16	0.7	Middle	2	1	27.78	8.05	20.48	82.7	5.8	5.7	5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR3	12:33:22	0.7	Middle	2	2	27.78	8.06	20.47	82.3	5.77	5.8	5.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR4	13:18:48	1.0	Surface	1	1	28.09	8.25	19.18	86.2	6.05	2.9	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR4	13:19:00	1.0	Surface	1	2	28.07	8.26	19.23	86.1	6.05	3.1	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR4	13:18:38	2.7	Bottom	3	1	28.03	8.23	19.55	86.4	6.06	3.3	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR4	13:18:54	2.7	Bottom	3	2	28.09	8.25	19.3	86	6.04	2.9	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR5	13:20:46	1.0	Surface	1	1	27.76	8.22	17.34	83.8	5.89	2.5	2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR5	13:20:07	1.0	Surface	1	2	27.8	8.23	17.2	85.1	6.1	2.6	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR5	13:20:25	4.3	Bottom	3	1	27.67	8.16	19.96	82.1	5.86	2.7	0.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR5	13:19:57	4.3	Bottom	3	2	27.76	8.22	17.41	80.9	5.77	2.7	0.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:32:39	1.0	Surface	1	1	27.82	8.34	20.28	82.9	5.77	1.4	<0.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:32:10	1.0	Surface	1	2	27.8	8.33	20.55	82.9	5.79	1.5	<0.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:32:27	3.2	Middle	2	1	27.68	8.32	20.77	82.2	5.69	1.4	0.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:31:58	3.2	Middle	2	2	27.72	8.32	20.78	82.7	5.74	1.4	<0.5
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:32:20	5.4	Bottom	3	1	27.68	8.28	23.64	81.2	5.67	1.4	0.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10A	14:31:51	5.4	Bottom	3	2	27.77	8.3	22.95	82	5.72	1.4	0.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10B	14:42:24	1.0	Surface	1	1	27.75	8.32	20.55	82	5.75	1.7	0.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10B	14:41:58	1.0	Surface	1	2	27.79	8.32	20.52	83.5	5.85	1.8	0.9
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10B	14:41:51	4.1	Bottom	3	1	27.79	8.32	20.74	83.6	5.85	1.8	0.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	SR10B	14:42:15	4.1	Bottom	3	2	27.65	8.27	22.93	82.4	5.71	1.7	0.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:07:20	1.0	Surface	1	1	27.77	7.69	17.41	84.6	5.91	3.2	1.6
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:06:53	1.0	Surface	1	2	27.77	7.46	17.21	82.3	5.88	3.1	1.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:07:13	4.2	Middle	2	1	27.72	7.63	17.49	82.4	5.82	3.3	1.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:06:44	4.2	Middle	2	2	27.73	7.33	17.97	81.9	5.84	3.2	1.7
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:06:28	7.4	Bottom	3	1	27.51	7.65	21.8	81.2	5.79	3.4	2.2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS2	12:07:04	7.4	Bottom	3	2	27.7	7.53	19.54	80.9	5.76	3.5	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:04:41	1.0	Surface	1	1	27.77	8.35	20.24	80.4	5.41	3.6	1.8
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:03:48	1.0	Surface	1	2	27.81	8.35	20.12	79.2	5.56	3.6	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:03:34	6.0	Middle	2	1	27.53	8.3	24.15	79	5.34	3.7	2
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:04:29	6.0	Middle	2	2	27.35	8.27	23.83	78.8	5.53	3.6	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:04:20	11.0	Bottom	3	1	27.36	8.2	29.16	77.4	5.37	3.7	2.4
HKLR	HY/2011/03	2016-06-06	Mid-Ebb	Cloudy	CS(Mf)5	14:03:19	11.0	Bottom	3	2	27.48	8.25	27.91	76.5	5.27	3.6	2.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	ISS	07:58:01	1.0	Surface	1	1	27.96	8.29	20.88	79.4	5.52	7.7	5.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	ISS	07:57:27	1.0	Surface	1	2	27.96	8.29	20.93	79.7	5.53	7.8	5.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	ISS	07:57:51	4.4	Middle	2	1	27.95	8.28	21.4	79.1	5.49	7.7	4.9
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	ISS	07:57:20	4.4	Middle	2	2	27.95	8.28	21.34	79.1	5.52	7.6	5.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	ISS	07:57:10	7.7	Bottom	3	1	27.95	8.28	22.01	78.9	5.49	7.8	5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	ISS	07:57:44	7.7	Bottom	3	2	27.95	8.27	21.57	78.5	5.46	7.8	5.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)6	07:46:24	1.0	Surface	1	1	27.97	8.32	18.99	85.1	5.99	2.8	3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)6	07:45:24	1.0	Surface	1	2	27.98	8.32	18.98	86.9	6.12	2.9	2.8
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)6	07:46:13	2.4	Bottom	3	1	27.94	8.3	19.79	84.2	5.91	2.8	2.7
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)6	07:45:12	2.4	Bottom	3	2	27.95	8.31	19.42	86.9	6.11	3	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS7	07:39:12	1.0	Surface	1	1	27.97	8.31	19.12	87.3	6.15	2.8	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS7	07:38:50	1.0	Surface	1	2	27.97	8.31	19.16	87.2	6.14	3	2.1

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	2016-06-06	Mid-Flood	Cloudy	IS7	07:38:58	2.3	Bottom	3	1	27.96	8.31	19.36	87.3	6.14	2.8	2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS7	07:38:32	2.3	Bottom	3	2	27.95	8.3	19.43	87.2	6.13	2.8	3.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS8	07:17:26	1.0	Surface	1	1	28.06	8.33	19.01	81.8	5.75	3	1.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS8	07:17:42	1.0	Surface	1	2	28.06	8.33	19.01	81.6	5.74	2.9	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS8	07:17:33	3.0	Bottom	3	1	28.07	8.31	20.42	81.7	5.7	3.1	1.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS8	07:17:19	3.0	Bottom	3	2	28.07	8.31	20.4	82	5.73	3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)9	07:31:54	1.0	Surface	1	1	27.94	8.29	19.37	87.2	6.13	3.2	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)9	07:32:12	1.0	Surface	1	2	27.94	8.29	19.4	86.8	6.1	3.2	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)9	07:32:05	2.8	Bottom	3	1	27.93	8.28	19.81	87	6.1	3.3	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS(Mf)9	07:31:46	2.8	Bottom	3	2	27.94	8.27	19.63	87.5	6.15	3.2	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:10:15	1.0	Surface	1	1	27.79	8.3	19.68	76.8	5.37	5.3	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:09:25	1.0	Surface	1	2	27.83	8.29	19.91	76.1	5.36	5.3	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:10:04	5.4	Middle	2	1	27.58	8.22	24.13	75.8	5.33	5.6	2.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:09:18	5.4	Middle	2	2	27.68	8.27	20.98	76	5.32	5.6	2.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:09:08	9.8	Bottom	3	1	27.57	8.21	24.71	75.8	5.25	5.7	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	IS10	07:09:54	9.8	Bottom	3	2	27.62	8.21	24.51	77	5.29	5.9	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR3	08:05:42	0.7	Middle	2	1	27.96	8.29	20.83	81.1	5.65	5.6	5.9
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR3	08:05:48	0.7	Middle	2	2	27.96	8.29	20.82	81.1	5.66	5.8	5.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR4	07:22:03	1.0	Surface	1	1	28.05	8.31	19.12	81.3	5.72	2.4	1.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR4	07:21:46	1.0	Surface	1	2	28.05	8.31	18.99	81.4	5.73	2.6	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR4	07:21:54	2.8	Bottom	3	1	28.07	8.29	20.24	81.4	5.68	2.6	1.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR4	07:21:38	2.8	Bottom	3	2	28.06	8.3	20.15	81.4	5.69	2.5	1.7
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR5	07:18:38	1.0	Surface	1	1	27.81	8.32	18.03	76.9	5.46	5.4	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR5	07:18:09	1.0	Surface	1	2	27.7	8.3	19.2	75.9	5.36	5.3	1.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR5	07:18:00	4.3	Bottom	3	1	27.63	8.23	24.45	76	5.23	5.5	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR5	07:18:17	4.3	Bottom	3	2	27.63	8.22	24.16	76.8	5.29	5.5	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:49	1.0	Surface	1	1	27.34	8.38	25.04	76.2	5.19	1.4	1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:19	1.0	Surface	1	2	27.35	8.37	25.76	75.9	5.13	1.3	0.9
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:08	3.3	Middle	2	1	27.07	8.34	29.57	74.8	5.01	1.3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:40	3.3	Middle	2	2	26.93	8.32	29.63	74	5.1	1.4	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:12:57	5.5	Bottom	3	1	27.16	8.33	30.55	74	4.99	1.3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10A	06:13:26	5.5	Bottom	3	2	27.14	8.32	30.7	74.4	4.98	1.4	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10B	06:03:52	1.0	Surface	1	1	27.4	8.4	25.26	76	5.22	1.4	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10B	06:03:32	1.0	Surface	1	2	27.42	8.41	25.47	76.3	5.23	1.3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10B	06:03:41	3.6	Bottom	3	1	27.07	8.35	30.27	75.8	5.09	1.4	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	SR10B	06:03:20	3.6	Bottom	3	2	27.17	8.37	30.32	75.9	5.09	1.4	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:40	1.0	Surface	1	1	27.86	8.37	16.47	80.4	5.76	2.2	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:13	1.0	Surface	1	2	27.8	8.35	15.87	79.7	5.73	2.3	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:31	4.3	Middle	2	1	27.73	8.29	20.74	78.4	5.5	2.2	1.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:01	4.3	Middle	2	2	27.69	8.26	21.26	80.5	5.54	2.4	1.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:37:47	7.5	Bottom	3	1	27.48	8.15	24.8	78.9	5.52	2.6	2.5
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS2	08:38:22	7.5	Bottom	3	2	27.46	8.17	24.89	79.2	5.44	2.5	2.2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:57	1.0	Surface	1	1	27.29	8.38	25.58	76.6	5.25	2.3	1.4
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:22	1.0	Surface	1	2	27.22	8.37	25.6	76.9	5.28	2.3	1.6
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:42	6.3	Middle	2	1	26.48	8.31	31.69	76.2	5.1	2.3	2.1
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:03	6.3	Middle	2	2	26.46	8.3	31.81	75.9	5.09	2.4	2
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:42:32	11.5	Bottom	3	1	26.66	8.3	31.96	74.4	5	2.4	2.3
HKLR	HY/2011/03	2016-06-06	Mid-Flood	Cloudy	CS(Mf)5	06:41:54	11.5	Bottom	3	2	26.5	8.29	32.21	74.2	4.99	2.4	2.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	ISS	14:59:23	1.0	Surface	1	1	28.68	8.28	13.64	80.4	5.87	2.3	4.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	ISS	14:58:46	1.0	Surface	1	2	28.72	8.28	13.56	80.3	5.86	2.2	4.9
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	ISS	14:59:07	5.3	Middle	2	1	27.73	8.11	19.37	76.5	5.5	3.3	7.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	ISS	14:58:31	5.3	Middle	2	2	27.71	8.11	20	74.7	5.36	3.4	7.6

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	2016-06-08	Mid-Ebb	Sunny	IS5	14:58:22	9.6	Bottom	3	1	27.69	8.08	21.23	77.7	5.54	2.8	7.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS5	14:58:58	9.6	Bottom	3	2	27.97	8.1	21.06	80.3	5.7	2.7	7.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)6	14:51:35	1.0	Surface	1	1	28.72	8.25	13.52	85	6.19	1.4	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)6	14:51:54	1.0	Surface	1	2	28.65	8.23	13.65	85	6.2	1.6	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)6	14:51:45	4.4	Bottom	3	1	28.59	8.2	15.6	85.2	6.15	1.4	7.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)6	14:51:24	4.4	Bottom	3	2	28.45	8.19	15.69	84.5	6.12	1.2	5.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS7	13:38:24	1.0	Surface	1	1	28.62	8.17	13.89	97	6.87	2	6.9
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS7	13:37:40	1.0	Surface	1	2	28.56	8.12	13.91	90	6.49	1.8	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS7	13:38:03	3.8	Bottom	3	1	28.44	8.14	14.65	86.6	6.31	1.9	6.7
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS7	13:37:30	3.8	Bottom	3	2	28.34	8.06	16.48	88.6	6.45	2	5.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS8	13:37:15	1.0	Surface	1	1	28.16	8.03	20.4	84.4	6.15	2.5	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS8	13:37:51	1.0	Surface	1	2	28.3	8.06	18.66	86.7	6.19	2.6	3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS8	07:22:02	1.0	Bottom	3	1	27.64	8.26	16.5	71.9	5.27	3.6	4.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS8	07:22:37	1.0	Bottom	3	2	27.81	8.28	16.28	73.8	5.39	3.7	3.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)9	07:21:50	1.0	Surface	1	1	27.14	8.12	24.29	71.4	5.06	5.7	4.4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)9	07:22:21	1.0	Surface	1	2	27.15	8.12	24.26	71.2	5.05	6.2	4.9
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)9	07:22:14	9.5	Bottom	3	1	27.32	8.13	24.17	73	5.16	6	4.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS(Mf)9	07:21:39	9.5	Bottom	3	2	27.39	8.12	24.16	74.8	5.28	5.9	5.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	07:30:49	1.0	Surface	1	1	27.75	8.23	16.72	75.2	5.49	1.8	2.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	07:31:11	1.0	Surface	1	2	27.76	8.23	16.2	75.5	5.52	1.7	2.7
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	07:31:03	1.0	Middle	2	1	27.63	8.15	20.51	75.8	5.43	1.8	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	07:30:40	1.0	Middle	2	2	27.53	8.13	21.59	75.5	5.38	1.9	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	08:41:37	1.0	Bottom	3	1	27.8	8.23	16.98	73.4	5.35	3.6	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	IS10	08:41:09	1.0	Bottom	3	2	27.8	8.22	17.05	73.2	5.33	3.8	2.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR3	08:41:24	3.9	Middle	2	1	27.42	8.12	21.07	72.2	5.18	6.5	4.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR3	08:40:55	3.9	Middle	2	2	27.38	8.11	22.11	71.4	5.1	7.1	3.7
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR4	08:40:49	1.0	Surface	1	1	27.39	8.1	22.3	72.3	5.16	7.1	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR4	08:41:20	1.0	Surface	1	2	27.49	8.12	22.18	72.9	5.2	6.8	4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR4	14:07:12	1.0	Bottom	3	1	28.11	8.45	20.02	76.3	5.3	4.7	6.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR4	14:06:42	1.0	Bottom	3	2	28.08	8.48	20	76.6	5.33	4.8	6.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR5	14:07:02	1.0	Surface	1	1	27.94	8.44	20.87	75.9	5.29	5.1	2.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR5	14:06:34	1.0	Surface	1	2	27.92	8.47	21.01	75.8	5.3	5.3	3.4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR5	14:06:28	7.3	Bottom	3	1	28	8.49	21.02	75.6	5.28	5.5	4.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR5	14:06:52	7.3	Bottom	3	2	27.96	8.45	21.04	75	5.23	5.1	4.4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:13:30	1.0	Surface	1	1	28.5	8.39	18.8	86.3	6.04	2.4	3.2
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:13:46	1.0	Surface	1	2	28.51	8.38	18.98	86.5	6.04	2.5	2.9
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:13:37	1.1	Middle	2	1	28.42	8.37	19.73	86.3	6.01	2.5	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:13:22	1.1	Middle	2	2	28.39	8.38	19.73	86.3	6.01	2.4	3.4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:20:49	1.1	Bottom	3	1	28.47	8.35	18.93	86.2	6.02	1.8	4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10A	14:21:17	1.1	Bottom	3	2	28.53	8.35	19.04	86.3	6.02	1.8	2.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10B	14:20:42	1.0	Surface	1	1	28.43	8.35	19.94	86.2	6	1.8	3.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10B	14:21:03	1.0	Surface	1	2	28.31	8.33	20.06	85.7	5.97	1.9	4.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10B	14:43:48	1.1	Bottom	3	1	28.76	8.33	17.53	88.4	6.2	2.2	4.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	SR10B	14:44:04	1.1	Bottom	3	2	28.67	8.33	17.61	87.9	6.17	2.2	4.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:43:56	1.0	Surface	1	1	28.38	8.29	19.51	88	6.14	2.3	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:43:39	1.0	Surface	1	2	28.46	8.31	19.84	87.9	6.11	2.3	4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:28:14	1.9	Middle	2	1	28.21	8.36	18.77	87.8	6.17	2.6	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:28:00	1.9	Middle	2	2	28.26	8.37	18.67	87.6	6.16	2.5	4
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:27:53	2.7	Bottom	3	1	28.26	8.37	18.71	86.6	6.08	2.5	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS2	14:28:06	2.7	Bottom	3	2	28.21	8.36	18.97	87.8	6.16	2.6	4.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	13:55:56	1.0	Surface	1	1	28.14	8.65	19.28	81.6	5.73	3.1	4.3
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	13:56:03	1.0	Surface	1	2	28.2	8.64	19.21	81.6	5.72	3.3	3.7

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	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	14:37:45	1.9	Middle	2	1	28.41	8.33	18.02	87.2	6.13	2.6	3.1
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	14:37:32	1.9	Middle	2	2	28.43	8.34	18.1	87.4	6.14	2.7	5.1
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	14:37:38	2.8	Bottom	3	1	28.28	8.31	20.23	87.4	6.08	2.7	4.5
HKLR	HY/2011/03	2016-06-08	Mid-Ebb	Sunny	CS(Mf)5	14:37:23	2.8	Bottom	3	2	28.27	8.32	19.47	87	6.08	2.8	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:36	1.0	Surface	1	1	28.78	8.33	17.96	80.6	5.64	1.1	6.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:59:01	1.0	Surface	1	2	28.66	8.32	17.97	80.8	5.66	1.1	6.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:50	3.3	Middle	2	1	28.46	8.29	18.84	80.5	5.53	1.2	5.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:24	3.3	Middle	2	2	28.46	8.31	18.64	78.2	5.48	1.1	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:16	5.6	Bottom	3	1	27.57	8.26	25.75	78.2	5.48	1.1	8.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS5	15:58:41	5.6	Bottom	3	2	28.47	8.26	25.23	79	5.43	1.3	8.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)6	16:10:18	1.0	Surface	1	1	28.63	8.31	18.29	81.4	5.69	1.5	4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)6	16:10:36	1.0	Surface	1	2	28.54	8.3	18.46	82	5.74	1.4	4.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)6	16:10:26	4.1	Bottom	3	1	28.57	8.29	19.47	81.6	5.68	1.5	4.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)6	16:10:06	4.1	Bottom	3	2	28.57	8.29	19.93	80.4	5.58	1.5	4.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS7	15:23:43	1.0	Surface	1	1	28.79	8.38	17.51	74.4	5.21	2.2	5.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS7	15:22:58	1.0	Surface	1	2	28.77	8.39	17.52	73.4	5.15	2.1	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS7	15:22:45	6.3	Bottom	3	1	26.78	8.26	26.18	74.5	5.03	2.2	5
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS7	15:23:29	6.3	Bottom	3	2	26.89	8.25	26.14	74.6	5.03	2.2	6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS8	15:23:18	1.0	Surface	1	1	26.76	8.18	30.41	70.3	4.85	2.2	4.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS8	15:22:36	1.0	Surface	1	2	26.68	8.22	30.4	73.1	4.94	2.2	6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS8	09:19:55	1.0	Bottom	3	1	27.95	8.23	17.9	79.9	5.6	4.3	4.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS8	09:19:29	1.0	Bottom	3	2	27.96	8.23	17.89	80.1	5.61	4.1	4.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)9	09:19:48	1.0	Surface	1	1	27.91	8.2	18.71	79.4	5.51	4.2	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)9	09:19:21	1.0	Surface	1	2	27.92	8.2	18.78	79.6	5.53	4.3	5.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)9	09:19:38	7.8	Bottom	3	1	27.92	8.17	21.78	77.9	5.5	4.1	6.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS(Mf)9	09:19:10	7.8	Bottom	3	2	27.92	8.17	21.68	77.9	5.5	4.3	5.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:09:02	1.0	Surface	1	1	27.99	8.2	17.21	80.1	5.68	1.9	5.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:09:17	1.0	Surface	1	2	27.99	8.2	17.36	79.5	5.64	1.9	6.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:08:53	1.0	Middle	2	1	27.97	8.19	18.01	79.8	5.68	1.9	6.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:09:08	1.0	Middle	2	2	27.97	8.19	18	79.3	5.63	1.9	6.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:00:23	1.0	Bottom	3	1	27.99	8.19	16.87	76.4	5.45	2.5	7.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	IS10	09:00:37	1.0	Bottom	3	2	28	8.19	16.9	76.3	5.44	2.6	5.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR3	09:00:16	2.4	Middle	2	1	27.99	8.16	18.83	76.5	5.39	2.6	7.5
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR3	09:00:30	2.4	Middle	2	2	27.99	8.16	18.65	76.3	5.39	2.5	7.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR4	08:39:25	1.0	Surface	1	1	27.99	8.18	17.23	73.6	5.2	6.2	4.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR4	08:39:40	1.0	Surface	1	2	28.01	8.18	17.23	73	5.17	6.2	4.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR4	08:39:18	3.3	Bottom	3	1	27.98	8.16	18.77	73.1	5.19	6.4	5.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR4	08:39:31	3.3	Bottom	3	2	27.99	8.16	18.74	72.8	5.15	6.2	5.9
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR5	08:53:12	1.0	Surface	1	1	27.99	8.18	17.28	77.7	5.53	3.2	7.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR5	08:53:27	1.0	Surface	1	2	27.99	8.19	17.15	77	5.48	3.3	8.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR5	08:53:05	2.7	Bottom	3	1	27.98	8.17	18.84	78	5.5	3.3	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR5	08:53:19	2.7	Bottom	3	2	27.98	8.16	18.81	77.3	5.45	3.3	4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	09:30:39	1.0	Surface	1	1	27.98	8.21	17.91	81.4	5.77	3.3	4.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	09:30:33	1.0	Surface	1	2	27.98	8.21	17.91	81.3	5.76	3.2	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	08:48:11	2.0	Middle	2	1	27.99	8.17	17.32	71.8	5.1	6.6	4.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	08:47:55	2.0	Middle	2	2	27.99	8.17	17.41	71.9	5.11	6.4	4.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	08:47:49	3.0	Bottom	3	1	27.98	8.15	18.58	72	5.08	6.7	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10A	08:48:05	3.0	Bottom	3	2	27.98	8.15	18.5	71.9	5.08	6.5	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10B	07:33:50	1.0	Surface	1	1	27.76	8.23	18.96	76.5	5.55	1.1	3.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10B	07:33:15	1.0	Surface	1	2	27.67	8.22	19.3	76	5.52	1.1	2.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10B	07:33:06	3.3	Bottom	3	1	27.22	8.15	23.36	75.9	5.39	1.1	3.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	SR10B	07:33:42	3.3	Bottom	3	2	27.45	8.19	21.25	75.5	5.44	1.1	2.7

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	2016-06-08	Mid-Flood	Sunny	CS2	07:32:57	1.0	Surface	1	1	27.25	8.09	27.54	75.3	5.32	1.2	3.8
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:33:31	1.0	Surface	1	2	26.98	8.08	27.06	75.4	5.32	1.2	3.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:22:05	2.7	Middle	2	1	27.37	8.18	20.3	76.1	5.52	1.1	4.2
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:22:19	2.7	Middle	2	2	27.45	8.19	20.08	76.2	5.53	1.1	5.3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:22:11	4.4	Bottom	3	1	27.35	8.12	27.38	75.9	5.32	1.1	5
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS2	07:21:56	4.4	Bottom	3	2	27.22	8.09	28.37	76.2	5.32	1.1	4.1
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:08:22	1.0	Surface	1	1	27.43	8.27	20.29	73	5.29	3.6	3
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:07:51	1.0	Surface	1	2	27.42	8.27	19.53	73.1	5.32	3.6	3.4
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:08:11	6.4	Middle	2	1	26.6	8.16	27.02	72.7	5.15	3.7	3.6
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:07:43	6.4	Middle	2	2	26.69	8.16	27.11	72.8	5.18	3.6	3.5
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:07:33	11.8	Bottom	3	1	26.77	8.12	29.96	71.6	5.08	3.8	3.7
HKLR	HY/2011/03	2016-06-08	Mid-Flood	Sunny	CS(Mf)5	08:08:03	11.8	Bottom	3	2	26.87	8.14	29.84	71.6	5.09	3.7	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:42:02	1.0	Surface	1	1	28.71	8.58	16.78	81.5	5.6	5.5	4.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:42:26	1.0	Surface	1	2	28.67	8.55	16.89	85.2	5.88	5.2	4.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:42:19	4.1	Middle	2	1	27.46	8.47	22.63	78.3	5.46	5.4	5.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:41:52	4.1	Middle	2	2	27.27	8.48	22.88	79.1	5.57	5.4	5.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:41:45	7.1	Bottom	3	1	27.44	8.53	25.11	76.3	5.33	5.5	5.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS5	15:42:10	7.1	Bottom	3	2	27.16	8.49	25.36	77.5	5.45	5.3	5.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)6	15:50:42	1.0	Surface	1	1	28.68	8.58	17.24	109.6	7.71	2.8	6.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)6	15:50:54	1.0	Surface	1	2	28.71	8.58	17.24	110.4	7.76	2.6	5.7
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)6	15:50:34	2.2	Bottom	3	1	28.6	8.57	17.51	109	7.66	2.8	5.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)6	15:50:47	2.2	Bottom	3	2	28.71	8.57	17.35	109.9	7.72	2.8	5.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS7	15:58:01	1.0	Surface	1	1	28.75	8.56	17.35	109	7.65	2.9	5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS7	15:57:46	1.0	Surface	1	2	28.69	8.56	17.36	108.3	7.61	2.8	4.7
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS7	15:57:51	2.3	Bottom	3	1	28.65	8.55	17.85	108.4	7.6	2.9	4.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS7	15:57:39	2.3	Bottom	3	2	28.69	8.55	18.18	108	7.55	3	5.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS8	16:27:44	1.0	Surface	1	1	28.23	8.49	17.81	100.4	6.9	3.2	2
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS8	16:27:57	1.0	Surface	1	2	28.31	8.49	17.75	96.4	6.66	3.1	3.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS8	16:27:38	3.2	Bottom	3	1	28.27	8.45	22.51	97	6.85	3.1	4.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS8	16:27:51	3.2	Bottom	3	2	28.13	8.43	22	93.9	6.62	3.1	5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)9	16:06:03	1.0	Surface	1	1	28.73	8.55	17.47	108	7.58	2.5	4.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)9	16:06:20	1.0	Surface	1	2	28.71	8.55	17.43	107.8	7.56	2.6	4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)9	16:05:55	2.7	Bottom	3	1	28.7	8.54	17.6	105.9	7.43	2.6	4.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS(Mf)9	16:06:10	2.7	Bottom	3	2	28.56	8.53	18.53	108.1	7.56	2.6	4.7
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:34:22	1.0	Surface	1	1	29.24	8.4	14.13	76.8	6.02	2.9	2.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:35:03	1.0	Surface	1	2	29.27	8.41	14.34	74.1	5.83	2.8	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:34:00	5.3	Middle	2	1	27.11	8.21	23.91	73.5	5.75	4.2	3.3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:34:46	5.3	Middle	2	2	27.12	8.2	24.06	73.8	5.77	4.3	2.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:33:48	9.5	Bottom	3	1	27.11	8.19	24.18	74.6	5.83	3.7	3.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	IS10	16:34:39	9.5	Bottom	3	2	27.15	8.19	24.34	75	5.85	3.8	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR3	15:31:23	0.8	Middle	2	1	28.76	8.72	16.09	110.1	7.78	2.2	5.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR3	15:31:28	0.8	Middle	2	2	28.76	8.71	16.17	110.9	7.83	2.2	4.2
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR4	16:19:28	1.0	Surface	1	1	28.55	8.52	17.64	103.1	7.25	3.4	3.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR4	16:19:41	1.0	Surface	1	2	28.54	8.52	17.66	104.3	7.33	3.4	4.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR4	16:19:20	2.7	Bottom	3	1	28.46	8.51	19.05	102.5	7.16	3.7	4.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR4	16:19:33	2.7	Bottom	3	2	28.55	8.51	18.98	104.4	7.28	3.7	4.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR5	16:26:27	1.0	Surface	1	1	28.43	8.34	17.88	77.8	6.08	2.4	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR5	16:26:47	1.0	Surface	1	2	28.41	8.34	15.94	78.7	6.16	2.3	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR5	16:26:18	4.0	Bottom	3	1	28.36	8.28	21.84	75.5	5.88	2.5	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR5	16:26:36	4.0	Bottom	3	2	27.89	8.26	21.3	78.1	6.08	2.5	3.7
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:41:48	1.0	Surface	1	1	28.62	8.37	18.05	91.4	6.4	1.2	3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:42:26	1.0	Surface	1	2	28.63	8.38	17.78	89.7	6.29	1.2	2.7

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	2016-06-10	Mid-Ebb	Rainy	SR10A	17:41:41	3.2	Middle	2	1	28.54	8.36	18.84	90.1	6.29	1.2	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:42:17	3.2	Middle	2	2	28.3	8.35	18.92	88.1	6.14	1.2	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:41:28	5.4	Bottom	3	1	28.38	8.33	20.47	89.8	6.23	1.3	3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10A	17:42:09	5.4	Bottom	3	2	28.04	8.32	20.72	87.2	6.11	1.3	3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10B	17:51:56	1.0	Surface	1	1	28.64	8.38	17.94	93.7	6.56	1.4	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10B	17:51:37	1.0	Surface	1	2	28.64	8.37	17.85	93.9	6.58	1.4	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10B	17:51:31	4.1	Bottom	3	1	28.66	8.36	18.86	93.7	6.53	1.5	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	SR10B	17:51:47	4.1	Bottom	3	2	28.58	8.36	19.18	93.8	6.53	1.4	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:14:12	1.0	Surface	1	1	28.89	8.32	14.43	70.4	5.34	2.2	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:41	1.0	Surface	1	2	28.69	8.28	14.61	70.5	5.35	2.2	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:59	3.8	Middle	2	1	27.97	8.2	18.82	69.9	5.28	2.1	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:31	3.8	Middle	2	2	27.9	8.16	20.04	69.1	5.21	2.3	3
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:20	6.5	Bottom	3	1	27.75	8.14	20.59	70.3	5.27	2.4	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS2	15:13:49	6.5	Bottom	3	2	28.11	8.17	20.53	70	5.24	2.1	2.9
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:05:16	1.0	Surface	1	1	28.6	8.39	17.22	81.3	5.72	1.5	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:06:05	1.0	Surface	1	2	28.74	8.39	17.31	85.5	6	1.6	2.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:05:47	5.9	Middle	2	1	27.57	8.32	21.2	75.8	5.22	1.7	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:05:04	5.9	Middle	2	2	27.44	8.31	21.38	77.9	5.35	1.8	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:04:55	10.8	Bottom	3	1	27.17	8.24	26.1	75	5.26	1.8	3.1
HKLR	HY/2011/03	2016-06-10	Mid-Ebb	Rainy	CS(Mf)5	17:05:37	10.8	Bottom	3	2	26.97	8.24	26.1	73.9	5.18	1.8	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:29	1.0	Surface	1	1	28.21	8.29	18.46	78.2	5.46	2.2	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:13:03	1.0	Surface	1	2	28.44	8.3	18.39	78.7	5.52	2.2	2.1
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:22	4.6	Middle	2	1	27.69	8.23	21.16	75.8	5.34	3.1	3.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:52	4.6	Middle	2	2	27.76	8.24	21.14	76.2	5.23	3.1	3.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:14	8.1	Bottom	3	1	27.53	8.18	25.11	73.1	5.11	3.3	3.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS5	11:12:43	8.1	Bottom	3	2	27.51	8.18	25.03	72.2	5.05	3.1	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)6	11:03:26	1.0	Surface	1	1	28.31	8.29	18.42	91.1	6.4	1.5	3.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)6	11:03:56	1.0	Surface	1	2	28.35	8.3	18.06	92	6.48	1.5	3.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)6	11:03:18	2.6	Bottom	3	1	28.27	8.27	18.74	89.9	6.31	1.4	2.7
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)6	11:03:46	2.6	Bottom	3	2	28.24	8.28	18.97	91.6	6.42	1.4	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS7	10:53:40	1.0	Surface	1	1	28.15	8.25	18.68	85.4	6.01	3.1	3.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS7	10:53:57	1.0	Surface	1	2	28.13	8.25	18.75	85.6	6.02	3	3.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS7	10:53:49	2.4	Bottom	3	1	28.09	8.24	19.36	85.2	5.98	3.1	4.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS7	10:53:33	2.4	Bottom	3	2	28.16	8.24	18.81	85.5	6.01	3	3.9
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS8	10:30:17	1.0	Surface	1	1	28.02	8.25	17.56	75.9	5.39	1.4	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS8	10:30:31	1.0	Surface	1	2	28.03	8.24	17.67	75.5	5.35	1.5	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS8	10:30:25	3.2	Bottom	3	1	28.01	8.21	20.94	75.8	5.28	1.4	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS8	10:30:12	3.2	Bottom	3	2	28.04	8.22	20.84	76.3	5.32	1.4	3.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)9	10:44:18	1.0	Surface	1	1	28.14	8.25	18.76	85.1	5.99	2.9	4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)9	10:44:36	1.0	Surface	1	2	28.11	8.25	18.79	85.7	6.03	2.9	4.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)9	10:44:07	2.8	Bottom	3	1	28.09	8.25	19.1	84.8	5.96	3	5.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS(Mf)9	10:44:27	2.8	Bottom	3	2	28.1	8.24	19.79	85.4	5.98	2.9	5.1
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:56:21	1.0	Surface	1	1	28.15	8.29	14.96	75.5	5.71	2.9	3.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:55:40	1.0	Surface	1	2	28.03	8.28	14.98	74	5.61	3.1	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:55:27	5.3	Middle	2	1	26.97	8.09	25	72.4	5.46	4.2	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:56:05	5.3	Middle	2	2	26.97	8.1	24.95	72.5	5.48	4.1	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:55:54	9.5	Bottom	3	1	27.35	8.1	24.8	73.1	5.51	3.8	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	IS10	09:55:18	9.5	Bottom	3	2	27.24	8.08	24.9	73.4	5.53	3.9	3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR3	11:21:38	0.8	Middle	2	1	28.65	8.31	18.33	94.9	6.64	2.3	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR3	11:21:31	0.8	Middle	2	2	28.63	8.31	18.34	94.9	6.64	2.4	3.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR4	10:36:56	1.0	Surface	1	1	28.13	8.22	18	75.6	5.35	2.2	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR4	10:36:44	1.0	Surface	1	2	28.17	8.22	17.53	76.2	5.39	2.2	2.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR4	10:36:37	2.8	Bottom	3	1	28.11	8.19	20.76	76.4	5.32	2.2	2.4
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR4	10:36:49	2.8	Bottom	3	2	28.09	8.19	20.64	76	5.3	2.1	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR5	10:04:06	1.0	Surface	1	1	28.04	8.26	15.51	74.9	5.67	2.2	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR5	10:04:36	1.0	Surface	1	2	28.1	8.25	15.6	74.9	5.66	2.2	2.1
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR5	10:04:18	4.3	Bottom	3	1	27.6	8.12	21.39	74.6	5.64	2.1	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR5	10:03:52	4.3	Bottom	3	2	27.3	8.1	22.72	74.4	5.63	2.3	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:03:23	1.0	Surface	1	1	27.76	8.2	18.43	74.3	5.22	1.7	2.8
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:02:58	1.0	Surface	1	2	27.9	8.2	18.47	74.9	5.24	1.7	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:03:16	3.4	Middle	2	1	27.44	8.15	21.57	73.6	5.12	1.7	2.7
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:02:48	3.4	Middle	2	2	27.17	8.12	22.1	74.1	5.12	1.7	3.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:03:06	5.8	Bottom	3	1	27.7	8.1	27.67	73.1	5.01	1.8	3.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10A	09:02:41	5.8	Bottom	3	2	26.82	8.08	28.81	73	5.1	1.7	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10B	08:54:11	1.0	Surface	1	1	27.87	8.15	18.93	75.5	5.33	1.7	2.7
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10B	08:53:57	1.0	Surface	1	2	27.72	8.14	19.01	74.9	5.3	1.7	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10B	08:54:03	4.1	Bottom	3	1	27.81	8.12	22.61	75.2	5.2	1.7	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	SR10B	08:53:51	4.1	Bottom	3	2	27.75	8.1	22.95	74.9	5.18	1.7	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:14:32	1.0	Surface	1	1	28.39	8.24	14.77	71.6	5.46	2.2	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:14:03	1.0	Surface	1	2	28.13	8.23	15.34	71	5.43	2	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:13:56	3.9	Middle	2	1	27.92	8.19	17.32	70.2	5.35	1.8	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:14:19	3.9	Middle	2	2	27.92	8.18	17.74	70.7	5.4	1.8	2.7
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:13:49	6.8	Bottom	3	1	27.82	8.15	19.42	70.3	5.32	1.9	3.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS2	11:14:12	6.8	Bottom	3	2	28.02	8.16	18.7	71.1	5.37	2	2.2
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:35:46	1.0	Surface	1	1	28.05	8.27	18.22	73.4	5.19	2.2	2.5
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:36:25	1.0	Surface	1	2	28.04	8.27	18.13	73.1	5.17	2.2	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:35:25	6.4	Middle	2	1	26.44	8.11	28.84	73.1	5.08	2.2	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:36:05	6.4	Middle	2	2	25.99	8.1	28.97	72.9	5.07	2.2	2.3
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:35:15	11.7	Bottom	3	1	25.95	8.07	32.17	71.6	4.85	2.3	2.6
HKLR	HY/2011/03	2016-06-10	Mid-Flood	Sunny	CS(Mf)5	09:35:58	11.7	Bottom	3	2	25.9	8.07	32.14	70.9	4.81	2.3	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:29:01	1.0	Surface	1	1	27.7	8.25	15.79	80.1	5.56	2.8	4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:30:20	1.0	Surface	1	2	27.82	8.21	16.12	85.6	6.14	2.9	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:28:44	4.5	Middle	2	1	27.05	8.09	24.22	77.4	5.57	2.9	3.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:29:45	4.5	Middle	2	2	27.08	8.1	24.18	77.7	5.35	2.9	2.6
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:29:16	8.0	Bottom	3	1	27.08	8.03	26.79	75.4	5.28	2.9	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS5	09:28:33	8.0	Bottom	3	2	26.89	8.04	26.87	76.6	5.36	2.9	3.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)6	09:19:07	1.0	Surface	1	1	27.69	8.12	15.94	81	5.79	2.6	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)6	09:19:16	1.0	Surface	1	2	27.66	8.12	16.07	80.4	5.75	2.6	2.3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)6	09:19:11	2.2	Bottom	3	1	27.72	8.12	17.08	79.9	5.75	2.6	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)6	09:19:02	2.2	Bottom	3	2	27.73	8.12	17.37	80.5	5.78	2.6	2.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS7	09:10:08	1.0	Surface	1	1	27.73	8.11	14.52	79.2	5.75	3.7	3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS7	09:09:36	1.0	Surface	1	2	27.65	8.13	14.68	78	5.62	3.6	2.5
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS7	09:09:46	2.3	Bottom	3	1	27.62	8.09	16.27	77.5	5.58	3.7	2.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS7	09:09:30	2.3	Bottom	3	2	27.66	8.1	15.89	77.2	5.6	3.6	3.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS8	08:48:55	1.0	Surface	1	1	27.66	8.15	14.6	86	6.21	2.2	2.9
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS8	08:48:43	1.0	Surface	1	2	27.71	8.16	14.44	87	6.29	2.3	2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS8	08:48:25	2.3	Bottom	3	1	27.63	8.15	15.28	86.2	6.26	2.3	2.5
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS8	08:48:47	2.3	Bottom	3	2	27.71	8.15	15.39	85.6	6.21	2.3	3.5
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)9	08:59:40	1.0	Surface	1	1	27.64	8.14	15.03	82	5.94	1.9	3.9
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)9	08:59:32	1.0	Surface	1	2	27.6	8.13	15.45	83.9	6.03	1.9	2.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)9	08:59:25	2.4	Bottom	3	1	27.6	8.11	16.73	82.2	5.95	1.9	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS(Mf)9	08:59:36	2.4	Bottom	3	2	27.62	8.13	16.18	81.9	5.91	1.9	2.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:53	1.0	Surface	1	1	27.8	8.07	18.58	82.4	6.08	3.7	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:22	1.0	Surface	1	2	27.78	8.07	18.81	82.4	6.06	3.6	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	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:07	5.2	Middle	2	1	27.75	8.02	20.29	81.6	6.04	3.7	3.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:46	5.2	Middle	2	2	27.8	8.05	19.61	81.7	6.06	3.9	2.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:50:43	9.4	Bottom	3	1	27.79	8.08	18.62	80.7	5.95	3.9	2.5
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	IS10	07:51:30	9.4	Bottom	3	2	27.8	8.09	18.68	80.3	5.94	3.9	2.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR3	09:36:14	0.8	Middle	2	1	27.84	8.16	16.2	82.3	5.9	2.8	2.6
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR3	09:36:11	0.8	Middle	2	2	27.84	8.17	16.19	82.3	5.9	2.8	2.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR4	08:55:01	1.0	Surface	1	1	27.7	8.14	14.15	84.9	6.17	2.4	3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR4	08:54:54	1.0	Surface	1	2	27.7	8.15	14.16	84.8	6.17	2.4	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR4	08:54:57	2.4	Bottom	3	1	27.73	8.14	15.33	84.8	6.13	2.5	2.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR4	08:54:50	2.4	Bottom	3	2	27.73	8.15	15.1	84.8	6.13	2.4	2.6
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR5	08:02:21	1.0	Surface	1	1	27.83	8.08	18.4	83.1	6.16	3.7	5.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR5	08:02:02	1.0	Surface	1	2	27.8	8.08	18.43	83.1	6.13	3.8	5.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR5	08:02:13	3.9	Bottom	3	1	27.81	8.04	19.67	82.8	6.05	3.8	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR5	08:01:50	3.9	Bottom	3	2	27.75	7.99	21.39	81.2	6.02	4	6.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:11	1.0	Surface	1	1	27.46	8.18	13.03	74.4	5.42	2.6	3.9
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:46	1.0	Surface	1	2	27.54	8.19	13.06	73.6	5.4	2.7	4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:41	3.1	Middle	2	1	27.37	8.17	13.25	72.7	5.32	2.8	5.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:05	3.1	Middle	2	2	27.22	8.07	14.49	73.8	5.39	2.6	4.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:32	5.1	Bottom	3	1	27.02	8	20.95	72.4	5.15	3	7.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10A	07:31:01	5.1	Bottom	3	2	27.41	8.06	20.83	73.6	5.24	2.8	6.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10B	07:24:42	1.0	Surface	1	1	27.57	8.22	13.15	76.4	5.6	2.7	7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10B	07:24:21	1.0	Surface	1	2	27.53	8.26	13.13	75.2	5.52	2.6	7.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10B	07:24:13	4.1	Bottom	3	1	27.42	8.19	15.69	75.1	5.44	2.7	6.3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	SR10B	07:24:31	4.1	Bottom	3	2	27.53	8.2	15.28	75.9	5.5	2.8	7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:16:38	1.0	Surface	1	1	27.92	8.08	17.92	82.1	6.09	4.1	6.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:16:04	1.0	Surface	1	2	27.94	8.08	17.9	82.5	6.09	4.2	6.1
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:16:28	4.0	Middle	2	1	27.82	8.08	17.95	81.7	6.07	4.2	6.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:15:55	4.0	Middle	2	2	27.83	8.07	17.93	81	6.03	4.3	5.2
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:15:42	7.0	Bottom	3	1	27.78	8.01	19.63	81.9	5.98	4.3	5.3
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS2	09:16:16	7.0	Bottom	3	2	27.78	7.97	21.46	80.4	5.98	4.3	5.7
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:06:16	1.0	Surface	1	1	27.6	8.2	12.86	86	6.29	2.6	5.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:07:10	1.0	Surface	1	2	27.57	8.24	12.71	83.1	6.03	2.7	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:06:50	6.8	Middle	2	1	27.03	8.07	20.46	82.4	5.66	2.9	5.8
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:05:46	6.8	Middle	2	2	26.55	8.05	21.17	79.8	5.44	2.8	6.4
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:06:31	12.6	Bottom	3	1	26.96	7.94	29.42	78	5.54	2.9	6
HKLR	HY/2011/03	2016-06-13	Mid-Ebb	Cloudy	CS(Mf)5	08:05:37	12.6	Bottom	3	2	26.92	7.97	29.38	75.8	5.4	2.8	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	12:01:00	1.0	Surface	1	1	27.86	8.29	15.87	91.8	6.58	2.7	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	12:00:06	1.0	Surface	1	2	27.51	8.29	15.79	87.5	6.07	2.7	4.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	12:00:38	4.5	Middle	2	1	27	8.17	22.27	78.3	5.45	2.8	6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	11:59:59	4.5	Middle	2	2	27.18	8.19	22.29	80	5.76	2.9	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	12:00:28	8.0	Bottom	3	1	26.91	8.12	26.25	75.1	5.3	3	4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS5	11:59:44	8.0	Bottom	3	2	27.1	8.13	26.11	79.5	5.6	2.9	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)6	12:07:47	1.0	Surface	1	1	27.83	8.19	16.44	82.2	5.89	2.2	5.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)6	12:07:41	1.0	Surface	1	2	27.83	8.2	16.41	82.3	5.9	2.2	4.7
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)6	12:07:37	2.4	Bottom	3	1	27.94	8.2	16.31	82.3	5.89	2.3	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)6	12:07:44	2.4	Bottom	3	2	27.92	8.2	16.33	82.2	5.89	2.3	5.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS7	12:15:02	1.0	Surface	1	1	27.96	8.17	16.26	82.7	5.92	2.4	4.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS7	12:15:10	1.0	Surface	1	2	27.94	8.17	16.29	82.9	5.93	2.2	4.5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS7	12:14:58	2.5	Bottom	3	1	27.98	8.17	16.23	82.6	5.91	2.5	6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS7	12:15:05	2.5	Bottom	3	2	28.03	8.17	16.21	82.8	5.92	2.4	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS8	12:38:56	1.0	Surface	1	1	28.07	8.21	14.39	88.8	6.41	3.1	8.7
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS8	12:39:04	1.0	Surface	1	2	28.12	8.21	14.31	88.9	6.41	3.1	8.9

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	2016-06-13	Mid-Flood	Cloudy	IS8	12:38:52	2.4	Bottom	3	1	28.07	8.21	14.44	88.8	6.4	3.2	9.8
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS8	12:39:00	2.4	Bottom	3	2	28.15	8.21	14.29	88.8	6.41	3.3	9.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)9	12:26:21	1.0	Surface	1	1	27.85	8.25	15.3	88.7	6.39	2	4.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)9	12:26:27	1.0	Surface	1	2	27.8	8.24	15.39	87.6	6.32	2.1	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)9	12:26:16	2.3	Bottom	3	1	27.94	8.26	15.1	88.1	6.35	2.1	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS(Mf)9	12:26:24	2.3	Bottom	3	2	27.83	8.24	15.3	87.2	6.29	2.2	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:51:43	1.0	Surface	1	1	27.96	8.16	18.17	81	5.99	4	3.5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:52:12	1.0	Surface	1	2	28.15	8.16	18.11	83.3	6.15	3.8	4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:52:05	5.3	Middle	2	1	27.95	8.15	18.21	76.9	5.7	4	5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:51:37	5.3	Middle	2	2	27.67	8.11	18.4	75.6	5.43	4.2	4.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:51:29	9.5	Bottom	3	1	27.2	7.89	21.69	72.6	5.39	4.3	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	IS10	13:51:56	9.5	Bottom	3	2	27.64	8.03	21.05	73.4	5.44	4.3	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR3	11:54:06	0.9	Middle	2	1	27.82	8.42	14.98	86.5	6.25	2.8	4.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR3	11:54:09	0.9	Middle	2	2	27.83	8.41	14.96	85.9	6.2	2.6	5.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR4	12:32:00	1.0	Surface	1	1	28.07	8.23	14.41	89.1	6.43	3.1	6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR4	12:32:07	1.0	Surface	1	2	28.07	8.23	14.41	89.1	6.43	3	5.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR4	12:32:03	2.3	Bottom	3	1	28.1	8.23	14.36	89	6.42	3.1	5.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR4	12:31:56	2.3	Bottom	3	2	28.1	8.24	14.36	89.1	6.43	3.3	5.8
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR5	13:42:19	1.0	Surface	1	1	27.6	7.91	18.31	85.6	6.33	3.7	4.7
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR5	13:41:54	1.0	Surface	1	2	27.75	8.01	18.15	81.2	5.93	3.7	4.5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR5	13:41:40	4.1	Bottom	3	1	28.02	8.12	21.57	80.9	5.92	3.9	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR5	13:42:04	4.1	Bottom	3	2	28.01	8.12	22.5	81	5.76	3.8	5.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:49:14	1.0	Surface	1	1	27.61	8.27	12.45	75.1	5.52	2.2	3.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:48:49	1.0	Surface	1	2	27.43	8.27	12.48	81.9	5.72	2.2	2.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:49:10	3.1	Middle	2	1	27.51	8.25	14.46	73.7	5.37	2.3	3.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:48:44	3.1	Middle	2	2	27.03	8.17	16.6	70.8	5.22	2.3	4.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:49:00	5.1	Bottom	3	1	27.35	8.14	19.23	73.3	5.22	2.4	6.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10A	13:48:37	5.1	Bottom	3	2	26.94	8.07	20.29	69.4	5.04	2.3	6.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10B	13:57:24	1.0	Surface	1	1	28.22	8.23	12.38	81.2	5.91	2	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10B	13:56:47	1.0	Surface	1	2	27.59	8.2	12.51	77.8	5.72	2.1	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10B	13:57:01	4.1	Bottom	3	1	27.39	8.11	17.66	76.9	5.51	2	4.5
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	SR10B	13:56:41	4.1	Bottom	3	2	27.74	8.14	17.87	77.7	5.53	2.2	3.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:39	1.0	Surface	1	1	27.77	8.24	17.69	75.2	5.61	4.3	4.7
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:32:08	1.0	Surface	1	2	28.03	8.21	17.49	76.5	5.51	4.2	4.6
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:29	4.1	Middle	2	1	27.51	8.14	20.97	74.7	5.57	4.4	4.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:58	4.1	Middle	2	2	27.74	8.19	17.6	76	5.5	4.3	4.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:19	7.2	Bottom	3	1	27.27	7.99	23.28	74.6	5.46	4.5	6.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS2	12:31:50	7.2	Bottom	3	2	27.59	8.05	23.37	76.3	5.44	4.4	5.8
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:15:49	1.0	Surface	1	1	28.11	8.39	12.02	77.8	5.67	2.5	3.2
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:17:03	1.0	Surface	1	2	28.1	8.36	12.04	82.8	6.03	2.4	3.4
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:16:46	6.7	Middle	2	1	27.11	8.25	18.24	77.2	5.36	2.5	5.3
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:15:34	6.7	Middle	2	2	25.93	8.12	20.79	75.8	5.22	2.6	4.9
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:15:26	12.4	Bottom	3	1	25.72	8.08	30.92	71.4	5.05	2.7	6.1
HKLR	HY/2011/03	2016-06-13	Mid-Flood	Cloudy	CS(Mf)5	13:16:22	12.4	Bottom	3	2	25.52	8.03	30.94	70.4	5.05	2.7	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	ISS	11:27:46	1.0	Surface	1	1	29.01	8.32	13.93	83.5	5.95	5.3	6.5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	ISS	11:27:09	1.0	Surface	1	2	28.99	8.33	13.87	76.4	5.45	5.4	6.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	ISS	11:27:25	4.1	Middle	2	1	27.29	8.1	26	80.7	5.42	5.3	7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	ISS	11:26:55	4.1	Middle	2	2	27.09	8.09	25.59	77	5.16	5.4	6.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	ISS	11:27:17	7.1	Bottom	3	1	27.01	8.11	30.62	72.3	5.05	5.3	5.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	ISS	11:26:48	7.1	Bottom	3	2	27.21	8.12	30.43	71.5	5.01	5.5	5.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)6	11:16:03	1.0	Surface	1	1	28.77	8.24	15.09	94	6.68	5	4.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)6	11:16:20	1.0	Surface	1	2	28.8	8.24	14.78	92.4	6.57	5.2	4.6

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	2016-06-15	Mid-Ebb	Sunny	IS(Mf)6	11:15:57	2.2	Bottom	3	1	28.76	8.23	15.15	94.4	6.7	5	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)6	11:16:11	2.2	Bottom	3	2	28.71	8.21	16.43	93.3	6.59	5.1	5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS7	11:11:15	1.0	Surface	1	1	28.52	8.2	14.57	80.5	5.76	8.2	7.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS7	11:11:27	1.0	Surface	1	2	28.37	8.19	13.84	80.2	5.78	8.5	8.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS7	11:11:20	2.2	Bottom	3	1	28.39	8.12	19.27	80.6	5.63	8.4	8.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS7	11:11:06	2.2	Bottom	3	2	28.31	8.12	18.79	79.8	5.6	8.2	8.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS8	10:50:24	1.0	Surface	1	1	28.71	8.26	12.73	91.4	6.45	6.5	6.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS8	10:51:13	1.0	Surface	1	2	28.84	8.27	12.75	89.9	6.48	6.6	6.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS8	10:51:02	3.3	Bottom	3	1	28.23	8.16	17.12	82.6	5.94	6.6	6.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS8	10:50:17	3.3	Bottom	3	2	28.55	8.18	16.91	76.7	5.44	6.7	5.5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)9	11:03:11	1.0	Surface	1	1	28.62	8.22	14.22	82.3	5.89	7.4	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)9	11:02:52	1.0	Surface	1	2	28.28	8.2	14.73	78.9	5.67	7.5	5.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)9	11:02:59	2.7	Bottom	3	1	28.41	8.15	18.07	80.3	5.64	7.6	6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS(Mf)9	11:02:43	2.7	Bottom	3	2	27.75	8.07	21.54	80.8	5.63	7.7	7.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:54:42	1.0	Surface	1	1	28.79	8.3	7.87	82.2	6.05	5.9	6.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:53:32	1.0	Surface	1	2	28.85	8.32	7.78	81.7	6.06	5.5	6.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:53:15	5.5	Middle	2	1	26.99	7.89	24.1	82.1	5.75	6.1	6.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:54:17	5.5	Middle	2	2	27.03	7.89	24.05	83.6	5.85	6	6.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:52:56	10.0	Bottom	3	1	25.25	7.75	28.27	78.5	5.43	7.1	6.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	IS10	10:54:02	10.0	Bottom	3	2	25.25	7.82	28.4	76	5.32	7.6	6.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR3	11:37:18	0.7	Middle	2	1	29.01	8.3	14.1	96.2	6.84	4.7	5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR3	11:37:25	0.7	Middle	2	2	29.02	8.3	14.1	96.8	6.88	4.8	4.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR4	10:56:37	1.0	Surface	1	1	28.81	8.24	13.07	91.2	6.54	7.5	4.5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR4	10:56:52	1.0	Surface	1	2	28.75	8.24	12.91	89.7	6.45	7.4	3.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR4	10:56:29	2.7	Bottom	3	1	28.65	8.17	16.3	92.1	6.51	7.5	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR4	10:56:45	2.7	Bottom	3	2	28.59	8.16	16.64	90.5	6.39	7.9	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR5	11:01:42	1.0	Surface	1	1	28.59	8.28	8.22	75.4	5.61	5.6	6.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR5	11:00:59	1.0	Surface	1	2	28.59	8.22	8.13	74.1	5.49	5.5	6.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR5	11:00:37	4.1	Bottom	3	1	27.36	7.86	20.31	74.3	5.28	5.8	6.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR5	11:01:19	4.1	Bottom	3	2	27.4	7.88	20.27	73.7	5.26	5.9	7.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:22:05	1.0	Surface	1	1	28.6	8.15	10.62	83.7	6.11	5.4	6.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:22:36	1.0	Surface	1	2	28.42	8.15	10.79	82.1	6.01	5.6	6.8
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:21:56	3.2	Middle	2	1	28.07	8.06	13.29	82.5	5.92	5.2	7.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:22:30	3.2	Middle	2	2	27.97	8.06	13.37	81.6	5.86	5.5	7.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:22:22	5.4	Bottom	3	1	27.62	8.04	22.23	80.6	5.68	5.3	8.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10A	09:21:47	5.4	Bottom	3	2	28.05	8.05	22.18	81.5	5.71	5.1	8.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10B	09:12:06	1.0	Surface	1	1	28.56	8.06	11.17	86.7	6.32	5.9	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10B	09:12:21	1.0	Surface	1	2	28.62	8.07	10.75	86.8	6.33	5.9	5.3
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10B	09:12:14	3.7	Bottom	3	1	28.49	8.01	13.45	86.5	6.23	5.8	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	SR10B	09:11:59	3.7	Bottom	3	2	28.57	8.01	14.05	86.6	6.21	5.9	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:50:14	1.0	Surface	1	1	28.86	8.22	6.58	77.9	5.79	6.6	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:51:25	1.0	Surface	1	2	28.85	8.22	6.59	78	5.8	6.5	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:49:50	3.9	Middle	2	1	28.03	8.07	20.14	74.4	5.47	7.7	5.5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:51:06	3.9	Middle	2	2	28.01	8.05	20.2	74.5	5.49	7.6	5
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:49:33	6.8	Bottom	3	1	26.57	7.69	28.04	73	5.1	8.4	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS2	11:50:43	6.8	Bottom	3	2	26.54	7.67	28.18	72.3	5.06	8.1	4.6
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:08:32	1.0	Surface	1	1	28.66	8.28	10.6	81.2	5.93	5.3	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:09:20	1.0	Surface	1	2	28.62	8.29	10.69	79.3	5.79	5.3	4.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:08:08	6.2	Middle	2	1	27.08	8.01	22.97	74.4	5.01	5.5	5.7
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:08:59	6.2	Middle	2	2	27.03	7.99	22.76	77	5.18	5.4	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:07:56	11.4	Bottom	3	1	25.27	7.85	35.17	67.9	4.75	5.7	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Ebb	Sunny	CS(Mf)5	10:08:50	11.4	Bottom	3	2	25.53	7.8	34.57	68.1	4.77	5.5	6.9

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	2016-06-15	Mid-Flood	Sunny	IS5	14:58:44	1.0	Surface	1	1	28.9	8.43	13.56	82.8	5.92	7.5	4.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:58:05	1.0	Surface	1	2	28.86	8.44	13.84	83.7	5.98	7.5	4.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:57:54	4.3	Middle	2	1	27.1	8.27	20.3	84	5.7	7.8	6.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:58:27	4.3	Middle	2	2	28.18	8.31	19.79	72.9	5.18	7.6	8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:57:47	7.5	Bottom	3	1	27.22	8.28	28.13	75.5	5.39	7.7	8.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS5	14:58:13	7.5	Bottom	3	2	26.91	8.23	28.92	71.3	5.05	7.7	7.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)6	15:05:07	1.0	Surface	1	1	28.99	8.39	13.14	97.3	6.96	7.1	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)6	15:05:21	1.0	Surface	1	2	29.05	8.4	13.17	99.7	7.13	7.5	4.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)6	15:05:13	2.2	Bottom	3	1	29.02	8.39	13.28	98.7	7.05	7.3	4.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)6	15:05:00	2.2	Bottom	3	2	28.93	8.38	13.88	97.9	6.98	7	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS7	15:12:30	1.0	Surface	1	1	29.02	8.39	13.29	100.1	7.15	4.6	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS7	15:12:16	1.0	Surface	1	2	29.04	8.4	13.26	101.7	7.26	4.6	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS7	15:12:10	2.4	Bottom	3	1	29.06	8.39	13.26	101.3	7.24	4.6	6.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS7	15:12:22	2.4	Bottom	3	2	28.96	8.38	13.69	101.2	7.22	4.5	6.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS8	15:37:33	1.0	Surface	1	1	28.8	8.31	13.44	92.9	6.66	12	6.9
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS8	15:37:53	1.0	Surface	1	2	28.77	8.31	13.33	91.1	6.54	11.6	7.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS8	15:37:26	3.2	Bottom	3	1	28.8	8.31	13.58	93.3	6.68	11.7	9.3
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS8	15:37:46	3.2	Bottom	3	2	28.66	8.28	14.15	91.5	6.55	11.5	9.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)9	15:19:49	1.0	Surface	1	1	29.1	8.38	12.72	98.7	7.06	7.5	6.6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)9	15:19:30	1.0	Surface	1	2	29.07	8.39	12.8	98.5	7.05	7.5	6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)9	15:19:39	2.4	Bottom	3	1	29.02	8.37	13.12	98.5	7.04	7.4	7.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS(Mf)9	15:19:21	2.4	Bottom	3	2	29.04	8.38	13.05	98.3	7.03	7.7	8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:31:45	1.0	Surface	1	1	28.82	8.29	6.07	81.3	6.07	7.1	5.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:32:57	1.0	Surface	1	2	28.83	8.26	6.01	81.4	6.08	6.8	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:32:36	5.5	Middle	2	1	27.55	7.96	14.33	76.4	5.58	5.6	5.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:31:28	5.5	Middle	2	2	27.59	7.93	14.32	77.1	5.56	5.7	6.9
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:32:16	10.0	Bottom	3	1	25.56	7.69	26.25	72.4	5.01	6.4	7.5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	IS10	16:31:06	10.0	Bottom	3	2	25.54	7.66	26.31	73.4	5.07	6.8	8.3
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR3	14:46:46	0.6	Middle	2	1	28.77	8.57	13.18	92.4	6.64	5.1	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR3	14:46:41	0.6	Middle	2	2	28.75	8.58	13.23	92.4	6.63	5	6.5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR4	15:31:15	1.0	Surface	1	1	28.86	8.33	13.32	93.9	6.72	11.5	9
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR4	15:31:32	1.0	Surface	1	2	28.86	8.33	13.31	93.8	6.72	11.6	8.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR4	15:31:07	2.7	Bottom	3	1	28.82	8.33	13.54	93.9	6.72	11.9	10.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR4	15:31:23	2.7	Bottom	3	2	28.8	8.32	13.57	93.9	6.73	11.5	10.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR5	16:21:31	1.0	Surface	1	1	28.83	8.15	6.01	88.6	6.61	6.8	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR5	16:20:40	1.0	Surface	1	2	28.83	8.15	5.96	88.6	6.6	6.9	5.6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR5	16:20:22	4.0	Bottom	3	1	28.65	8.04	9.61	88.6	6.41	5.7	6.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR5	16:21:06	4.0	Bottom	3	2	28.67	8.07	9.7	87.9	6.45	5.6	4.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:04:43	1.0	Surface	1	1	28.92	8.41	11.09	87.6	6.35	4.5	4.6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:05:13	1.0	Surface	1	2	28.98	8.4	11.16	91.5	6.62	4.5	5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:05:02	3.2	Middle	2	1	28.6	8.35	12.07	84.7	6.14	4.5	4.3
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:04:34	3.2	Middle	2	2	28.55	8.34	12.1	90.7	6.28	4.3	4.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:04:26	5.4	Bottom	3	1	27.11	8.1	24.68	86.3	5.98	4.6	5.9
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10A	17:04:53	5.4	Bottom	3	2	27.06	8.18	24.92	81.1	5.88	4.5	6.5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10B	17:13:27	1.0	Surface	1	1	28.75	8.37	10.97	95.4	6.94	4.6	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10B	17:13:13	1.0	Surface	1	2	28.82	8.38	11.05	96	6.96	4.5	4.7
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10B	17:13:21	4.0	Bottom	3	1	28.75	8.29	14.92	96.3	6.85	4.6	6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	SR10B	17:13:06	4.0	Bottom	3	2	28.75	8.34	12.48	95.8	6.9	4.6	5.4
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:25:03	1.0	Surface	1	1	28.98	8.35	5.28	81.4	6.08	8.1	5.3
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:26:23	1.0	Surface	1	2	29	8.34	5.27	81.5	6.08	8.5	5.5
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:24:44	4.0	Middle	2	1	28.22	8.14	12.33	76.7	5.62	6	6.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:25:59	4.0	Middle	2	2	28.27	8.1	12.39	77.1	5.62	5.9	7.4

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	2016-06-15	Mid-Flood	Sunny	CS2	15:24:25	7.0	Bottom	3	1	26.89	7.74	25.97	75	5.25	6.3	8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS2	15:25:33	7.0	Bottom	3	2	26.93	7.75	25.91	73.2	5.14	6.1	8.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:23:09	1.0	Surface	1	1	29.01	8.49	11	80.8	5.85	4.9	4.2
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:23:50	1.0	Surface	1	2	29.01	8.48	10.98	80	5.79	4.8	5.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:22:52	5.9	Middle	2	1	26.8	8.19	24.83	75.6	5.12	5.5	4.8
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:23:32	5.9	Middle	2	2	26.24	8.12	26.74	75.9	5.15	5	4.6
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:23:24	10.8	Bottom	3	1	25.06	8.08	34.69	74.8	5.08	5.2	5.1
HKLR	HY/2011/03	2016-06-15	Mid-Flood	Sunny	CS(Mf)5	16:22:40	10.8	Bottom	3	2	25.19	8.07	34.56	74.3	5.03	5.5	5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:49	1.0	Surface	1	1	29	8.41	12.58	92.2	6.32	5.6	3.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:21	1.0	Surface	1	2	28.96	8.41	12.65	85.7	6.19	5.7	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:08	4.4	Middle	2	1	26.45	8.08	28.47	80.5	5.66	6.1	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:35	4.4	Middle	2	2	26.38	8.08	28.64	81.7	5.68	6.2	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:35:59	7.7	Bottom	3	1	26.49	8.13	30.91	75.6	5.26	6.3	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS5	12:36:28	7.7	Bottom	3	2	26.51	8.15	30.84	74.9	5.22	6.4	3.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)6	12:28:41	1.0	Surface	1	1	28.72	8.28	12.97	91.9	6.61	4.7	3.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)6	12:28:23	1.0	Surface	1	2	29.05	8.31	12.15	98.4	7.07	4.8	2.7
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)6	12:28:15	2.3	Bottom	3	1	28.98	8.26	15.09	99.3	7.03	4.8	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)6	12:28:33	2.3	Bottom	3	2	28.44	8.19	16.55	94.5	6.69	4.7	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS7	12:21:46	1.0	Surface	1	1	28.61	8.24	12.26	85.4	6.18	5.8	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS7	12:22:01	1.0	Surface	1	2	28.58	8.24	12.43	83.9	6.07	6	4.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS7	12:21:54	2.3	Bottom	3	1	28.42	8.15	17.54	85.7	6.04	5.9	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS7	12:21:39	2.3	Bottom	3	2	28.48	8.14	18.69	88.4	6.19	5.8	3.7
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS8	11:58:20	1.0	Surface	1	1	28.46	8.2	13.27	78.4	5.66	7.4	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS8	11:58:08	1.0	Surface	1	2	28.37	8.2	12.82	78.5	5.68	7.4	4.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS8	11:58:13	3.0	Bottom	3	1	28.45	8.14	17.5	79.3	5.59	7.8	3.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS8	11:58:01	3.0	Bottom	3	2	28.43	8.14	18.92	80.2	5.61	7.6	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)9	12:12:45	1.0	Surface	1	1	28.86	8.25	12.1	79.8	5.75	5.6	3.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)9	12:12:31	1.0	Surface	1	2	28.58	8.24	12.22	81.2	5.88	5.6	3.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)9	12:12:24	2.7	Bottom	3	1	28.45	8.14	20.83	82.8	5.73	5.6	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS(Mf)9	12:12:37	2.7	Bottom	3	2	27.71	8.1	22.99	82.6	5.72	5.5	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:38	1.0	Surface	1	1	29.11	8.2	7.44	83.1	5.72	6.7	4.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:23:17	1.0	Surface	1	2	29.07	8.19	7.64	85.8	5.91	7	3.9
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:57	5.2	Middle	2	1	26.45	7.65	24.38	79.1	5.83	7	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:22	5.2	Middle	2	2	26.58	7.66	21.4	79.3	5.85	7.6	4.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:51	9.4	Bottom	3	1	26.42	7.57	27.44	74.1	5.11	6.8	4.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	IS10	11:22:16	9.4	Bottom	3	2	26.55	7.55	27.4	72.7	5.17	7.1	4.3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR3	12:46:19	0.6	Middle	2	1	29.15	8.4	12.51	102.6	7.35	4.9	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR3	12:46:24	0.6	Middle	2	2	29.12	8.4	12.6	103.8	7.43	4.9	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR4	12:06:36	1.0	Surface	1	1	28.56	8.22	12.13	78.5	5.69	7.4	2.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR4	12:06:55	1.0	Surface	1	2	28.73	8.25	12.03	82.6	5.97	7.4	2.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR4	12:06:28	2.7	Bottom	3	1	28.35	8.13	16.89	78.3	5.55	7.3	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR4	12:06:43	2.7	Bottom	3	2	28.19	8.08	19.82	79.7	5.57	7.5	2.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR5	11:31:48	1.0	Surface	1	1	28.49	8.07	7.93	82.5	6.13	5.7	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR5	11:32:01	1.0	Surface	1	2	28.67	8.08	7.75	83.3	6.18	5.9	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR5	11:31:54	3.7	Bottom	3	1	28.56	8.02	10.26	83.5	6.11	5.8	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR5	11:31:41	3.7	Bottom	3	2	28.32	8.01	10.26	84.8	6.23	5.8	4.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:28:03	1.0	Surface	1	1	27.85	8.18	14.49	75.1	5.44	3.8	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:28:27	1.0	Surface	1	2	27.77	8.17	14.54	74.8	5.42	3.8	2.3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:28:20	3.3	Middle	2	1	27.49	8.1	18.16	74.4	5.28	3.8	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:27:56	3.3	Middle	2	2	27.45	8.09	18.28	74.2	5.29	3.8	2.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:27:48	5.5	Bottom	3	1	27.62	8.05	21.6	74.2	5.18	3.7	2.7
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10A	10:28:10	5.5	Bottom	3	2	27.54	8.05	23.63	73.9	5.14	3.8	3.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10B	10:16:16	1.0	Surface	1	1	27.6	8.14	14.85	76.2	5.53	3.7	2.7
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10B	10:16:32	1.0	Surface	1	2	27.81	8.17	14.64	76.3	5.52	3.6	3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10B	10:16:09	4.4	Bottom	3	1	27.71	8.1	20.16	76	5.35	3.8	3.8
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	SR10B	10:16:22	4.4	Bottom	3	2	27.71	8.1	19.27	75.8	5.36	3.7	2.9
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:35	1.0	Surface	1	1	28.58	8.05	8.47	81	5.99	6.3	3.9
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:44:02	1.0	Surface	1	2	28.66	8.06	8.32	81.6	6.03	6.4	3.1
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:52	4.0	Middle	2	1	28.37	7.99	9.94	80.3	5.91	5.9	4.2
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:27	4.0	Middle	2	2	28.37	8	9.87	80.2	5.9	6	3.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:45	6.9	Bottom	3	1	28.38	7.98	10.3	80.9	5.94	6	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS2	12:43:15	6.9	Bottom	3	2	28.42	7.99	10.11	81.4	5.98	6.1	4.3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:18:05	1.0	Surface	1	1	28.04	8.31	13.81	78.3	5.7	4.5	2.9
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:27	1.0	Surface	1	2	27.94	8.28	14.01	76.8	5.6	4.6	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:18	6.1	Middle	2	1	25.85	8.04	25.96	75.9	5.31	4.7	2.3
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:53	6.1	Middle	2	2	25.95	8.07	25.98	78.1	5.45	4.4	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:10	11.1	Bottom	3	1	25.5	7.97	30.53	72.9	5.18	4.6	2.4
HKLR	HY/2011/03	2016-06-17	Mid-Ebb	Sunny	CS(Mf)5	11:17:41	11.1	Bottom	3	2	25.67	8.01	30.38	73.1	5.19	4.6	2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:43:48	1.0	Surface	1	1	28.98	8.52	12.22	97.9	7.11	8.1	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:43:06	1.0	Surface	1	2	29.07	8.56	11.91	99.6	7.1	8.6	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:42:50	4.4	Middle	2	1	27.04	8.35	21.57	82.1	5.9	8.5	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:43:27	4.4	Middle	2	2	26.83	8.31	21.77	94.1	6.84	8.4	2.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:42:40	7.7	Bottom	3	1	26.67	8.35	26.53	75.2	5.22	8.6	2.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS5	16:43:18	7.7	Bottom	3	2	26.6	8.27	26.94	74.4	5.13	8.7	2.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)6	16:51:45	1.0	Surface	1	1	29.99	8.57	10.78	111.1	7.92	4.7	2.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)6	16:51:19	1.0	Surface	1	2	29.85	8.59	10.81	118.4	8.45	4.8	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)6	16:51:35	2.3	Bottom	3	1	28.62	8.49	13.32	108.9	7.84	4.8	2.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)6	16:51:08	2.3	Bottom	3	2	29.76	8.56	12.63	118.2	8.37	4.9	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS7	16:58:02	1.0	Surface	1	1	29.76	8.59	10.91	115.5	8.26	4.8	2.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS7	16:58:17	1.0	Surface	1	2	29.63	8.58	10.93	115.4	8.27	4.9	2.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS7	16:58:10	2.2	Bottom	3	1	29.37	8.54	12.68	115.9	8.26	5	2.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS7	16:57:53	2.2	Bottom	3	2	29.59	8.55	12.72	114.3	8.11	4.8	2.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS8	17:20:02	1.0	Surface	1	1	29.34	8.46	11.64	103.2	7.4	7.5	5.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS8	17:20:26	1.0	Surface	1	2	29.32	8.45	11.56	98.8	7.09	7.5	5.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS8	17:20:17	3.3	Bottom	3	1	28.86	8.38	13.88	98.8	7.06	7.7	5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS8	17:19:55	3.3	Bottom	3	2	29.35	8.44	13.13	105	7.47	7.8	5.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)9	17:07:55	1.0	Surface	1	1	29.6	8.57	11.54	115	8.22	8.5	5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)9	17:08:12	1.0	Surface	1	2	29.64	8.57	11.62	114.1	8.14	8.4	4.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)9	17:07:48	2.7	Bottom	3	1	29.53	8.55	12.91	116.3	8.25	8.8	5.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS(Mf)9	17:08:03	2.7	Bottom	3	2	29.41	8.53	13.63	114.6	8.12	8.6	4.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:47:49	1.0	Surface	1	1	29.02	8.17	7.57	77.8	5.74	8	7.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:47:01	1.0	Surface	1	2	29.29	8.21	6.67	78.3	5.78	8.4	7.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:47:19	5.3	Middle	2	1	26.44	7.74	22.42	74	5.38	7	7.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:46:30	5.3	Middle	2	2	26.64	7.75	22.86	72	5.21	7.3	7.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:47:09	9.6	Bottom	3	1	26.08	7.75	27.07	73.6	5.31	7.7	7.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	IS10	17:46:17	9.6	Bottom	3	2	25.93	7.63	27.83	72.2	5.22	7.5	7.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR3	16:30:54	0.7	Middle	2	1	29.31	8.7	10.72	108.6	7.83	4.5	4.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR3	16:30:59	0.7	Middle	2	2	29.28	8.7	10.79	109.4	7.89	4.5	3.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR4	17:12:48	1.0	Surface	1	1	29.47	8.49	11.73	106.1	7.58	9.6	7.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR4	17:13:02	1.0	Surface	1	2	29.46	8.49	11.73	107.3	7.68	9.5	6.9
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR4	17:12:40	2.7	Bottom	3	1	29.44	8.48	12.04	104.9	7.49	9.6	6.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR4	17:12:54	2.7	Bottom	3	2	29.45	8.47	12.05	107	7.64	9.8	6.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR5	17:40:09	1.0	Surface	1	1	28.91	8.11	7.77	78.9	5.82	7.7	6.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR5	17:40:56	1.0	Surface	1	2	28.91	8.14	7.67	77.4	5.72	7.8	6.8

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	2016-06-17	Mid-Flood	Sunny	SR5	17:39:52	4.1	Bottom	3	1	28.54	7.91	17.45	78.8	5.55	7	7.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR5	17:40:29	4.1	Bottom	3	2	27.17	7.76	18.78	75.2	5.23	6.5	7.1
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:42:02	1.0	Surface	1	1	28.85	8.36	11.94	80.7	5.83	3.7	3.9
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:42:38	1.0	Surface	1	2	28.83	8.36	11.98	82.1	5.93	3.8	3.9
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:42:21	3.3	Middle	2	1	26.92	8.17	19.94	79.1	5.47	3.8	3.8
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:41:48	3.3	Middle	2	2	27.54	8.2	19.5	77.3	5.35	3.6	3.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:41:39	5.5	Bottom	3	1	26.45	8.09	26.96	69.7	4.93	3.8	3.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10A	18:42:13	5.5	Bottom	3	2	26.41	8.09	27.12	70.5	5.03	3.8	2.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10B	18:51:58	1.0	Surface	1	1	28.82	8.33	11.91	84.5	6.11	3.9	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10B	18:51:41	1.0	Surface	1	2	28.81	8.34	11.97	84.8	6.13	4.2	2.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10B	18:51:32	3.7	Bottom	3	1	27.79	8.25	19.91	79.9	5.6	3.9	3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	SR10B	18:51:49	3.7	Bottom	3	2	27.33	8.2	20.24	80.7	5.84	4	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:28:26	1.0	Surface	1	1	29.18	8.21	6.7	78	5.53	8.1	5.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:27:53	1.0	Surface	1	2	29.21	8.3	6.7	79.1	5.58	7.9	5.3
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:28:10	3.8	Middle	2	1	27.9	7.96	12.31	77.1	5.69	5.5	4.6
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:27:35	3.8	Middle	2	2	27.12	8	14.98	77.8	5.75	5.9	5.9
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:28:01	6.5	Bottom	3	1	27.28	7.73	19.94	71.8	5.26	6.2	7.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS2	16:27:28	6.5	Bottom	3	2	26.95	7.9	21.82	71.9	5.25	6	7.5
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:23	1.0	Surface	1	1	28.8	8.45	11.69	83.1	5.8	4.6	3.7
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:03:07	1.0	Surface	1	2	28.86	8.45	11.64	82.5	5.99	4.8	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:51	6.3	Middle	2	1	26.2	8.16	26.67	77	5.36	5.6	3.4
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:10	6.3	Middle	2	2	26.23	8.15	26.61	79.7	5.76	5.5	3.6
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:01	11.6	Bottom	3	1	25.16	8.13	32.92	74.2	5.23	5.7	3.2
HKLR	HY/2011/03	2016-06-17	Mid-Flood	Sunny	CS(Mf)5	18:02:40	11.6	Bottom	3	2	24.86	8.09	33.02	69.8	4.92	5.7	3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:35:06	1.0	Surface	1	1	28.51	8.32	16.95	85.7	6.05	7.8	4.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:34:21	1.0	Surface	1	2	28.49	8.34	16.98	83.5	5.9	7.7	4.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:34:42	4.2	Middle	2	1	26.91	8.17	25.04	85.8	6.06	8.6	6.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:34:00	4.2	Middle	2	2	26.88	8.19	25.47	77.6	5.37	7.9	6.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:33:51	7.3	Bottom	3	1	26.8	8.2	26.29	75.7	5.22	8.4	7.5
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS5	11:34:34	7.3	Bottom	3	2	26.76	8.17	26.57	76.7	5.29	9.1	6.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)6	11:42:00	1.0	Surface	1	1	28.58	8.32	17.95	104.1	7.3	6.7	9.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)6	11:41:44	1.0	Surface	1	2	28.6	8.32	17.94	102.9	7.22	6.8	9.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)6	11:41:35	2.4	Bottom	3	1	28.52	8.3	18.35	100.6	7.05	7.1	11.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)6	11:41:52	2.4	Bottom	3	2	28.54	8.31	18.84	104.1	7.27	6.7	11.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS7	11:48:33	1.0	Surface	1	1	29.02	8.4	17.45	123.1	8.59	7.5	6.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS7	11:48:14	1.0	Surface	1	2	28.86	8.37	17.61	117.1	8.19	7.3	5.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS7	11:48:05	2.4	Bottom	3	1	28.75	8.35	18.65	117	8.15	8.2	6.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS7	11:48:23	2.4	Bottom	3	2	28.75	8.37	18.05	118.3	8.27	8.6	5.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS8	12:18:14	1.0	Surface	1	1	28.41	8.3	17.29	95.7	6.76	4.3	6.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS8	12:17:59	1.0	Surface	1	2	28.35	8.3	17.43	95.4	6.74	4.4	6.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS8	12:18:05	2.8	Bottom	3	1	28.33	8.29	18.36	96.3	6.76	4.4	7.4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS8	12:17:52	2.8	Bottom	3	2	28.33	8.29	18.41	96.9	6.81	4.5	6.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)9	11:57:31	1.0	Surface	1	1	28.53	8.39	17.21	108.3	7.63	6.6	5.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)9	11:57:54	1.0	Surface	1	2	28.51	8.38	17.21	106.6	7.52	6.6	5.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)9	11:57:44	2.5	Bottom	3	1	28.39	8.33	19.42	106.9	7.46	8.8	5.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS(Mf)9	11:57:21	2.5	Bottom	3	2	28.42	8.35	19.39	109.9	7.67	7.9	5.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:50:09	1.0	Surface	1	1	28.45	8.16	18.08	74.7	5.51	4.4	2.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:27	1.0	Surface	1	2	28.38	8.12	19.44	74.8	5.52	4.4	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:57	5.3	Middle	2	1	28.31	8.02	19.83	73.9	5.45	4.6	3.5
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:16	5.3	Middle	2	2	27.86	7.94	21.68	75	5.37	4.5	2.4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:06	9.6	Bottom	3	1	27.68	7.85	25.64	72.5	5.17	4.7	4.4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	IS10	12:49:44	9.6	Bottom	3	2	26.97	7.81	27.65	72.9	5.25	4.8	3.6

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	2016-06-20	Mid-Ebb	Sunny	SR3	11:22:47	0.8	Middle	2	1	28.6	8.47	16.02	97.2	6.89	5.5	6.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR3	11:23:03	0.8	Middle	2	2	28.55	8.45	16.37	97.3	6.89	5.8	5.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR4	12:08:18	1.0	Surface	1	1	28.28	8.32	17.37	91.7	6.49	4.2	6.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR4	12:08:33	1.0	Surface	1	2	28.37	8.32	17.31	92.9	6.56	4.2	7.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR4	12:08:12	2.8	Bottom	3	1	28.26	8.31	19.26	93.3	6.53	4.2	6.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR4	12:08:26	2.8	Bottom	3	2	28.27	8.3	19.14	93.5	6.55	4.3	7.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR5	12:38:24	1.0	Surface	1	1	28.41	8.12	19.92	75.4	5.59	4.1	3.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR5	12:37:52	1.0	Surface	1	2	28.37	8.12	19.88	76.5	5.58	4.1	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR5	12:38:03	4.4	Bottom	3	1	28.21	7.95	23.28	74.1	5.49	4.2	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR5	12:37:38	4.4	Bottom	3	2	28.31	8.01	22.96	75.3	5.36	4.2	4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:43:40	1.0	Surface	1	1	28.78	8.13	14.48	80.1	5.71	4.5	4.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:43:00	1.0	Surface	1	2	28.57	8.15	14.54	80	5.72	4.5	2.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:43:24	3.2	Middle	2	1	27.88	8.08	17.15	76.6	5.46	4.2	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:42:46	3.2	Middle	2	2	27.91	8.09	17.45	77.2	5.49	4.4	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:43:16	5.3	Bottom	3	1	27.69	8.05	18.87	77	5.46	3.9	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10A	13:42:35	5.3	Bottom	3	2	27.76	8.05	19.59	77.7	5.48	4	4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10B	13:54:13	1.0	Surface	1	1	28.46	8.1	13.71	81.2	5.84	4.6	2.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10B	13:54:42	1.0	Surface	1	2	28.62	8.09	14.36	81.5	5.83	4.8	3.7
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10B	13:54:01	4.1	Bottom	3	1	28.16	8.03	16.96	80.5	5.72	4.6	4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	SR10B	13:54:25	4.1	Bottom	3	2	28.1	8.03	17.3	80.5	5.71	4.6	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:20:52	1.0	Surface	1	1	27.47	8.04	20.01	72.8	5.34	4.2	3.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:21:24	1.0	Surface	1	2	27.68	8.14	19.01	73.1	5.33	4.2	2.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:21:14	4.1	Middle	2	1	27.08	7.99	24.45	72.4	5.26	4.4	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:20:38	4.1	Middle	2	2	26.93	7.96	28.29	72.2	5.21	4.3	2.5
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:21:06	7.2	Bottom	3	1	26.97	7.93	28.55	71.3	5.14	4.6	2.5
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS2	11:20:22	7.2	Bottom	3	2	26.84	7.94	29.36	71.6	5.13	4.5	3.1
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:01:39	1.0	Surface	1	1	28.61	8.22	13.97	78.1	5.6	5	3.9
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:00:49	1.0	Surface	1	2	28.74	8.24	13.2	80	5.75	5.2	3.6
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:00:15	6.7	Middle	2	1	25.54	8.04	28.59	75.5	5.27	6.9	4.4
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:01:12	6.7	Middle	2	2	25.49	7.99	29.14	76	5.31	6.7	4.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:00:04	12.4	Bottom	3	1	25.57	8.03	29.33	73.8	5.11	5.7	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Ebb	Sunny	CS(Mf)5	13:01:04	12.4	Bottom	3	2	25.41	7.98	30.14	73.7	5.09	5.6	3.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:39	1.0	Surface	1	1	28.72	8.39	16.82	104.7	7.38	6.2	5.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:24:07	1.0	Surface	1	2	28.69	8.38	17.01	104.2	7.33	6.3	6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:56	4.2	Middle	2	1	28.53	8.35	18.23	102.3	7.17	6.8	6.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:23	4.2	Middle	2	2	28.52	8.35	18.58	102.2	7.15	6.9	5.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:48	7.3	Bottom	3	1	28.61	8.35	18.53	105.3	7.36	6.6	7.9
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS5	07:23:14	7.3	Bottom	3	2	28.6	8.36	18.64	104	7.27	6.5	8.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)6	07:15:10	1.0	Surface	1	1	28.98	8.46	17.2	122.9	8.6	4.7	4.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)6	07:14:55	1.0	Surface	1	2	29.04	8.46	17.04	122.7	8.58	4.7	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)6	07:14:46	2.3	Bottom	3	1	28.88	8.44	18.07	121.9	8.5	4.9	5.7
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)6	07:15:01	2.3	Bottom	3	2	28.89	8.44	18.22	123	8.57	4.9	5.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS7	07:05:04	1.0	Surface	1	1	28.87	8.43	16.72	118.4	8.32	3.9	3.7
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS7	07:05:16	1.0	Surface	1	2	28.55	8.41	16.87	114	8.05	3.9	3.6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS7	07:05:10	2.3	Bottom	3	1	28.53	8.42	16.99	118.8	8.39	3.9	5.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS7	07:04:55	2.3	Bottom	3	2	28.5	8.42	16.94	119.7	8.46	3.8	5.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS8	06:39:00	1.0	Surface	1	1	28.43	8.22	16.37	91.6	6.5	4.2	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS8	06:38:40	1.0	Surface	1	2	28.41	8.22	16.26	90.9	6.45	4.4	2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS8	06:38:31	2.8	Bottom	3	1	28.27	8.2	17.89	91	6.42	4.9	3.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS8	06:38:47	2.8	Bottom	3	2	28.15	8.19	18.01	90.5	6.39	4.9	2.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)9	06:57:47	1.0	Surface	1	1	28.91	8.4	16.86	123.5	8.67	4.1	5.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)9	06:57:33	1.0	Surface	1	2	28.94	8.39	16.84	123.8	8.68	4.2	4.7

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	2016-06-20	Mid-Flood	Sunny	IS(Mf)9	06:57:25	2.5	Bottom	3	1	28.69	8.39	16.96	126.5	8.9	4.1	4.6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS(Mf)9	06:57:39	2.5	Bottom	3	2	28.73	8.4	16.97	125.8	8.85	4.1	5.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:21:06	1.0	Surface	1	1	27.89	8.18	22.57	75.2	5.41	3.6	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:25	1.0	Surface	1	2	27.66	8.06	23.86	74.9	5.45	3.5	4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:52	5.3	Middle	2	1	27	8.05	24.95	73.2	5.24	3.8	4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:10	5.3	Middle	2	2	27.37	8.02	24.82	73.7	5.21	3.7	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:42	9.6	Bottom	3	1	26.47	7.92	31.9	72	5.2	4	4.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	IS10	06:20:00	9.6	Bottom	3	2	27.38	8	25.57	71.5	5.17	3.9	4.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR3	07:33:02	0.8	Middle	2	1	28.73	8.38	17.06	110.1	7.74	5.9	8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR3	07:32:46	0.8	Middle	2	2	28.72	8.38	17.09	109.7	7.72	5.7	8.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR4	06:48:11	1.0	Surface	1	1	28.38	8.19	16.45	89.2	6.33	4.3	4.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR4	06:48:29	1.0	Surface	1	2	28.43	8.19	16.39	90.1	6.39	4.1	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR4	06:48:17	2.8	Bottom	3	1	28.2	8.17	17.61	89.3	6.32	5	4.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR4	06:47:58	2.8	Bottom	3	2	28.18	8.16	18.26	87	6.14	4.9	2.9
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR5	06:31:37	1.0	Surface	1	1	28.09	8.24	23.25	72.7	5.19	5.3	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR5	06:31:10	1.0	Surface	1	2	27.31	8.09	24.32	72.8	5.21	5.2	2.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR5	06:31:23	4.5	Bottom	3	1	26.96	7.98	30.38	70.7	5.08	5.5	3.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR5	06:30:58	4.5	Bottom	3	2	26.93	7.97	30.39	70.8	5.1	5.6	2.9
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:32	1.0	Surface	1	1	27.39	8.24	20.85	75.2	5.3	2.9	2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:17:10	1.0	Surface	1	2	27.58	8.24	19.77	75.7	5.35	2.7	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:57	3.1	Middle	2	1	26.93	8.18	23.21	72.5	5.08	3.2	2.6
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:14	3.1	Middle	2	2	26.63	8.18	26.22	74.4	5.2	2.9	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:02	5.2	Bottom	3	1	25.04	8.12	30.92	73.4	5.08	3	2.1
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10A	05:16:50	5.2	Bottom	3	2	25.27	8.1	29.52	72.5	5.04	3.2	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10B	05:05:05	1.0	Surface	1	1	27.07	8.35	20.67	78.3	5.55	2.5	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10B	05:05:25	1.0	Surface	1	2	27.63	8.36	18.52	78.7	5.59	2.5	2.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10B	05:05:13	4.1	Bottom	3	1	27.08	8.3	24.26	77.6	5.39	2.5	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	SR10B	05:04:57	4.1	Bottom	3	2	26.86	8.32	25.1	78.2	5.42	2.6	2.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:50:02	1.0	Surface	1	1	28.12	8.07	18.23	73.1	5.38	3.9	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:39	1.0	Surface	1	2	28.17	8.09	17.76	73.2	5.36	3.9	3.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:30	4.2	Middle	2	1	28.1	7.98	20.14	72.5	5.33	4.1	2.4
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:54	4.2	Middle	2	2	27.67	7.9	20.92	71.8	5.27	4.1	2.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:19	7.3	Bottom	3	1	26.57	7.75	29.93	72.5	5.12	4.2	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS2	07:49:49	7.3	Bottom	3	2	26.84	7.84	28.85	72.1	5.13	4.2	3.2
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:55:00	1.0	Surface	1	1	26.97	8.18	23.1	76.2	5.3	2.6	3.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:54:04	1.0	Surface	1	2	27.3	8.19	21.59	75.1	5.28	2.7	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:53:29	6.7	Middle	2	1	24.49	8.05	34.43	74.6	5.24	3.6	2.5
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:54:28	6.7	Middle	2	2	24.8	8.06	34.07	73.5	5.17	3.7	2.3
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:53:18	12.4	Bottom	3	1	24.49	8.05	34.76	73.3	5.13	3.7	2.8
HKLR	HY/2011/03	2016-06-20	Mid-Flood	Sunny	CS(Mf)5	05:54:18	12.4	Bottom	3	2	24.52	8.04	34.69	72.2	5.16	4	3.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:48:16	1.0	Surface	1	1	28.28	8.42	17.38	75.3	5.32	6.4	6.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:37	1.0	Surface	1	2	28.09	8.44	17.32	75.7	5.34	6.5	6.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:55	4.6	Middle	2	1	26.46	8.33	22.98	75.2	5.31	6.5	6.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:28	4.6	Middle	2	2	26.61	8.36	22.3	74.6	5.18	6.6	6.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:49	8.1	Bottom	3	1	26.4	8.32	26.28	73.9	5.13	6.7	7.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS5	12:47:22	8.1	Bottom	3	2	26.38	8.33	26.09	71.3	5.05	6.8	8.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)6	12:53:00	1.0	Surface	1	1	28.34	8.38	17.99	89.3	6.28	6.9	7.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)6	12:52:53	1.0	Surface	1	2	28.43	8.39	17.84	91.2	6.41	7	7.5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)6	12:52:49	2.4	Bottom	3	1	28.52	8.4	17.72	90.1	6.34	7	7.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)6	12:52:56	2.4	Bottom	3	2	28.41	8.39	17.84	88.3	6.22	7.1	7.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS7	12:59:22	1.0	Surface	1	1	28.3	8.35	18.14	83.6	5.88	7	7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS7	12:59:15	1.0	Surface	1	2	28.3	8.35	18.13	83.6	5.88	7	7.3

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	2016-06-22	Mid-Ebb	Sunny	IS7	12:59:18	2.6	Bottom	3	1	28.34	8.35	18.07	83.5	5.88	7	9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS7	12:59:12	2.6	Bottom	3	2	28.34	8.36	18.05	83.5	5.88	7.2	8.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS8	13:23:28	1.0	Surface	1	1	28.86	8.52	16.92	121.6	8.5	4.9	5.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS8	13:23:35	1.0	Surface	1	2	28.86	8.52	16.93	120.4	8.41	4.9	6.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS8	13:23:32	2.5	Bottom	3	1	28.95	8.52	17.58	119.5	8.39	5	5.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS8	13:23:25	2.5	Bottom	3	2	28.94	8.52	17.48	120.7	8.48	4.9	5.1
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)9	13:05:50	1.0	Surface	1	1	28.33	8.33	18.08	83	5.84	7	6.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)9	13:06:09	1.0	Surface	1	2	28.47	8.32	17.86	83.5	5.87	7	6.7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)9	13:05:53	2.5	Bottom	3	1	28.38	8.33	18.03	83.1	5.85	7	6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS(Mf)9	13:05:45	2.5	Bottom	3	2	28.33	8.33	18.1	82.8	5.83	7.2	7.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:02:05	1.0	Surface	1	1	29.34	8.27	9.3	75	5.73	8.1	3.7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:02:48	1.0	Surface	1	2	29.21	8.24	9.4	75	5.72	8.8	2.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:02:37	3.8	Middle	2	1	27.15	7.94	19.62	74.5	5.66	10.9	3.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:01:51	3.8	Middle	2	2	27.08	7.94	20.44	74.5	5.64	11.1	3.1
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:01:41	6.5	Bottom	3	1	27.11	7.9	20.63	74.2	5.61	10.3	3.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	IS10	15:02:30	6.5	Bottom	3	2	27.12	7.91	20.65	74.3	5.64	11.2	3.5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR3	12:38:10	0.8	Middle	2	1	28.5	8.65	15.93	86.8	6.17	6.6	7.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR3	12:38:07	0.8	Middle	2	2	28.52	8.66	15.88	87.2	6.19	6.7	8.1
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR4	13:18:45	1.0	Surface	1	1	28.91	8.5	16.79	123.2	8.61	4.7	5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR4	13:18:37	1.0	Surface	1	2	29	8.5	16.64	123.5	8.64	4.6	5.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR4	13:18:41	2.4	Bottom	3	1	29.04	8.5	17.35	122.6	8.61	4.7	7.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR4	13:18:32	2.4	Bottom	3	2	29.13	8.5	17.25	123.1	8.62	4.6	6.1
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR5	14:54:50	1.0	Surface	1	1	29.28	8.28	9.42	75.2	5.71	7.5	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR5	14:55:08	1.0	Surface	1	2	29.25	8.22	9.39	74.9	5.7	7.3	5.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR5	14:54:59	4.2	Bottom	3	1	27.46	8.04	19.6	74.9	5.67	8.2	6.4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR5	14:54:36	4.2	Bottom	3	2	27.11	7.96	20.22	75.2	5.68	8.1	6.7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:23:50	1.0	Surface	1	1	28.18	8.27	17.89	79.5	5.62	5.2	3.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:24:39	1.0	Surface	1	2	28.16	8.26	18.21	80.2	5.66	5.2	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:24:33	3.0	Middle	2	1	28.15	8.25	18.4	80.1	5.65	5.2	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:23:42	3.0	Middle	2	2	28.1	8.26	18.58	79.4	5.59	5.2	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:24:14	5.0	Bottom	3	1	28.18	8.25	18.65	79.8	5.62	5.7	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10A	14:23:30	5.0	Bottom	3	2	28.13	8.26	18.7	79	5.56	5.5	4.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10B	14:32:27	1.0	Surface	1	1	28.48	8.26	17.3	82.6	5.83	5	4.7
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10B	14:31:56	1.0	Surface	1	2	28.36	8.25	17.54	82	5.78	5.4	5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10B	14:31:49	4.1	Bottom	3	1	28.37	8.25	18.34	81.7	5.74	5.5	6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	SR10B	14:32:05	4.1	Bottom	3	2	28.38	8.24	18.36	82.1	5.76	5.3	5.6
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:21	1.0	Surface	1	1	29.04	8.26	9.97	73.8	5.54	8.1	4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:59	1.0	Surface	1	2	29.06	8.28	9.9	73	5.48	7.7	4
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:44	2.7	Middle	2	1	27.28	8.02	20.15	72.8	5.44	9.2	5
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:03	2.7	Middle	2	2	27.15	8.02	19.55	73.4	5.48	9.5	3.8
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:41:32	4.4	Bottom	3	1	27.14	7.99	20.41	73.9	5.51	11	3.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS2	13:40:55	4.4	Bottom	3	2	27.06	7.99	20.59	74	5.51	10.7	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:54:05	1.0	Surface	1	1	28.23	8.34	17.08	74.5	5.13	5.2	3.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:53:26	1.0	Surface	1	2	28.38	8.34	17.33	77.2	5.31	5.2	3.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:53:11	6.6	Middle	2	1	26.86	8.25	24.39	73.7	5.14	5.3	3.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:53:53	6.6	Middle	2	2	26.6	8.23	24.28	72.1	5.04	5.4	3.9
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:53:44	12.2	Bottom	3	1	25.21	8.15	31.56	70.7	5.01	5.4	7.3
HKLR	HY/2011/03	2016-06-22	Mid-Ebb	Sunny	CS(Mf)5	13:52:58	12.2	Bottom	3	2	25.12	8.16	32.01	72.7	5.13	5.5	6.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	ISS	08:36:02	1.0	Surface	1	1	28.32	8.39	18.34	83.3	5.85	4.3	4.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	ISS	08:36:37	1.0	Surface	1	2	28.27	8.38	18.01	82.1	5.78	4.2	4.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	ISS	08:35:52	4.6	Middle	2	1	27.64	8.31	21.36	82.2	5.71	4.4	4.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	ISS	08:36:29	4.6	Middle	2	2	27.8	8.32	21.37	81.6	5.67	4.4	5.8

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	2016-06-22	Mid-Flood	Sunny	IS5	08:36:21	8.2	Bottom	3	1	27.61	8.3	22.67	78.8	5.5	4.4	7.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS5	08:35:46	8.2	Bottom	3	2	27.57	8.3	22.79	79	5.52	4.5	5.6
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)6	08:27:55	1.0	Surface	1	1	28.56	8.39	17.66	105.7	7.43	4.5	4.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)6	08:28:03	1.0	Surface	1	2	28.55	8.39	17.74	105.7	7.43	4.5	4.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)6	08:27:59	2.5	Bottom	3	1	28.57	8.39	17.63	105.6	7.42	4.5	5.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)6	08:27:50	2.5	Bottom	3	2	28.58	8.38	17.63	105.6	7.42	4.6	4.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS7	08:18:35	1.0	Surface	1	1	28.33	8.27	17.53	86.2	6.08	5.3	4.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS7	08:18:42	1.0	Surface	1	2	28.34	8.27	17.53	86.1	6.08	5.3	4.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS7	08:18:31	2.4	Bottom	3	1	28.37	8.27	17.49	86.1	6.08	5.3	4.6
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS7	08:18:38	2.4	Bottom	3	2	28.37	8.27	17.48	86.1	6.08	5.3	4.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS8	08:01:37	1.0	Surface	1	1	28.22	8.26	18.03	82.5	5.82	6.5	4.6
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS8	08:01:02	1.0	Surface	1	2	28.13	8.26	18.24	82	5.79	6.4	4.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS8	08:00:54	2.4	Bottom	3	1	28.12	8.26	18.34	81.5	5.75	6.5	8.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS8	08:01:14	2.4	Bottom	3	2	28.1	8.26	18.38	80.9	5.7	6.5	7.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)9	08:13:45	1.0	Surface	1	1	28.32	8.27	17.55	87.5	6.18	5.5	4.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)9	08:13:53	1.0	Surface	1	2	28.32	8.27	17.54	87.1	6.15	5.5	4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)9	08:13:49	2.4	Bottom	3	1	28.32	8.27	17.53	86.9	6.14	5.5	5.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS(Mf)9	08:13:41	2.4	Bottom	3	2	28.31	8.28	17.55	87.3	6.16	5.5	5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:48	1.0	Surface	1	1	28.14	8.3	13.12	72.4	5.7	8.9	4.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:16	1.0	Surface	1	2	28.01	8.28	13.09	72.5	5.71	9.2	4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:38	3.8	Middle	2	1	26.25	8.09	24.4	72	5.63	10.6	4.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:05	3.8	Middle	2	2	26.29	8.09	24.23	72.1	5.65	10.3	5.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:22:31	6.6	Bottom	3	1	26.24	8.08	24.55	71.9	5.61	12.1	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	IS10	07:21:59	6.6	Bottom	3	2	26.3	8.08	24.43	72	5.63	11.7	5.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR3	08:42:29	0.8	Middle	2	1	28.67	8.44	17.76	107.1	7.51	4.3	5.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR3	08:42:27	0.8	Middle	2	2	28.68	8.44	17.75	106.9	7.5	4.3	6.6
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR4	08:08:01	1.0	Surface	1	1	28.22	8.25	17.83	81.1	5.73	7.8	5.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR4	08:07:50	1.0	Surface	1	2	28.18	8.25	18.04	80.8	5.71	8	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR4	08:07:46	2.3	Bottom	3	1	28.2	8.25	17.97	80.8	5.71	8	5.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR4	08:07:54	2.3	Bottom	3	2	28.21	8.25	18.01	80.9	5.71	8	4.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR5	07:31:17	1.0	Surface	1	1	28.39	8.31	12.43	73.4	5.82	6.8	3.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR5	07:31:36	1.0	Surface	1	2	28.31	8.27	12.5	72.4	5.73	7	3.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR5	07:31:25	4.1	Bottom	3	1	26.81	8.07	22.66	73.5	5.79	8.8	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR5	07:30:49	4.1	Bottom	3	2	26.47	8.07	23.58	73	5.75	8.5	5.1
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:03:37	1.0	Surface	1	1	27.03	8.32	22.92	77.5	5.38	3.2	3.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:03:05	1.0	Surface	1	2	26.53	8.3	23.41	73.3	5.17	3	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:03:21	3.3	Middle	2	1	25.63	8.24	27.32	74.2	5.2	3.5	5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:02:57	3.3	Middle	2	2	25.58	8.24	26.98	73.1	5.07	3.3	5.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:03:15	5.5	Bottom	3	1	25.41	8.22	30.88	72.3	5.02	3.5	4.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10A	07:02:52	5.5	Bottom	3	2	25.57	8.23	30.86	72.3	5.02	3.4	5.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10B	06:57:05	1.0	Surface	1	1	26.86	8.31	24.15	76.1	5.31	3	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10B	06:57:23	1.0	Surface	1	2	26.79	8.31	23.68	75.7	5.3	3.2	5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10B	06:57:15	4.1	Bottom	3	1	26.09	8.26	27.81	75.3	5.21	3.3	3.7
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	SR10B	06:56:56	4.1	Bottom	3	2	26.6	8.27	28.06	75.7	5.19	3	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:44:40	1.0	Surface	1	1	27.57	8.2	16.13	71.9	5.69	8	4.8
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:45:18	1.0	Surface	1	2	27.55	8.2	16.83	73.1	5.79	7.8	5.9
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:45:04	2.9	Middle	2	1	26.7	8.09	21.7	72.6	5.73	10.5	4.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:44:25	2.9	Middle	2	2	26.76	8.09	21.64	71.7	5.67	11	4.4
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:44:57	4.7	Bottom	3	1	26.66	8.07	22.56	73	5.77	9.9	4.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS2	08:44:11	4.7	Bottom	3	2	26.66	8.06	22.41	71.5	5.66	10.1	5.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:25:21	1.0	Surface	1	1	27.26	8.35	21.93	77.9	5.37	3.2	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:26:22	1.0	Surface	1	2	26.89	8.34	23.55	78.4	5.39	3.1	4.1

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:26:04	6.6	Middle	2	1	24.33	8.24	32.29	77.4	5.38	3.3	4.2
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:24:55	6.6	Middle	2	2	24.82	8.25	30.65	72.7	5.1	3.3	4.3
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:25:55	12.1	Bottom	3	1	24.02	8.21	35.15	73.5	5.14	3.5	4.5
HKLR	HY/2011/03	2016-06-22	Mid-Flood	Sunny	CS(Mf)5	07:24:44	12.1	Bottom	3	2	24.01	8.2	35.11	72.1	5.01	3.3	5.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:06:13	1.0	Surface	1	1	28.82	8.34	19.13	85.1	5.91	7.5	7.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:06:51	1.0	Surface	1	2	28.7	8.33	19.34	84.3	5.86	8	7.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:05:57	4.3	Middle	2	1	27.87	8.32	20.75	78.1	5.46	9.2	7.8
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:06:33	4.3	Middle	2	2	27.71	8.31	20.82	77.9	5.46	10	6.7
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:06:27	7.5	Bottom	3	1	27.39	8.29	22.03	81.5	5.7	10.4	8.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS5	14:05:50	7.5	Bottom	3	2	27.82	8.32	21.25	80.4	5.61	9.4	7.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)6	14:16:36	1.0	Surface	1	1	29.44	8.43	18.8	114.6	7.89	6.4	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)6	14:16:24	1.0	Surface	1	2	29.5	8.42	18.73	114.9	7.9	6.2	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)6	14:16:30	2.3	Bottom	3	1	29.46	8.42	19	115.3	7.92	6.5	4.5
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)6	14:16:19	2.3	Bottom	3	2	29.54	8.42	18.92	115	7.89	6.3	5.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS7	14:25:29	1.0	Surface	1	1	29.25	8.49	18.2	118.3	8.19	5.3	3.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS7	14:25:13	1.0	Surface	1	2	28.94	8.47	18.46	111.6	7.76	5.8	3.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS7	14:25:19	2.4	Bottom	3	1	28.99	8.47	18.64	115.8	8.03	5.7	2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS7	14:25:06	2.4	Bottom	3	2	28.76	8.45	19.39	111.6	7.74	6.1	3.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS8	14:53:32	1.0	Surface	1	1	28.98	8.53	17.78	120.2	8.38	6	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS8	14:53:04	1.0	Surface	1	2	29.06	8.53	17.81	118.2	8.23	6.2	5.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS8	14:53:23	2.7	Bottom	3	1	28.77	8.48	19.7	121.3	8.4	7.5	5.5
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS8	14:52:48	2.7	Bottom	3	2	28.24	8.45	21.26	113.2	7.84	8.1	5.6
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)9	14:31:52	1.0	Surface	1	1	29.29	8.51	17.98	121.2	8.4	5.2	3.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)9	14:32:07	1.0	Surface	1	2	28.96	8.5	17.92	119.2	8.31	5.4	3.6
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)9	14:31:41	2.5	Bottom	3	1	29.4	8.5	18.62	119.5	8.24	5.4	3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS(Mf)9	14:32:00	2.5	Bottom	3	2	28.95	8.5	18.85	122.7	8.51	5.5	2.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:43	1.0	Surface	1	1	28.66	8.15	17.86	79.9	5.67	3.3	2.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:18	1.0	Surface	1	2	29.21	8.16	19.79	80.2	5.69	3.4	2.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:04	5.4	Middle	2	1	28.19	8.1	18.07	80.2	5.66	3.7	2.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:36	5.4	Middle	2	2	28.25	8.11	19.78	78	5.6	3.6	2.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:16:28	9.7	Bottom	3	1	28.05	8.08	18.22	77.6	5.57	3.8	2.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	IS10	15:15:58	9.7	Bottom	3	2	28.16	8.05	19.5	79	5.61	3.7	2.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR3	13:54:11	0.8	Middle	2	1	28.82	8.41	18.14	89.6	6.25	6	4.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR3	13:54:03	0.8	Middle	2	2	28.65	8.41	18.08	85.9	6.02	6.2	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR4	14:41:23	1.0	Surface	1	1	28.72	8.49	17.94	110.8	7.75	7.1	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR4	14:41:36	1.0	Surface	1	2	28.84	8.49	17.93	111.7	7.8	6.6	4.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR4	14:41:30	2.8	Bottom	3	1	28.63	8.46	20.3	112.4	7.78	7.3	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR4	14:41:17	2.8	Bottom	3	2	28.52	8.46	20.96	113.8	7.86	7.7	4.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR5	15:03:43	1.0	Surface	1	1	29.09	8.14	18.95	85	6.06	3.4	2.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR5	15:04:09	1.0	Surface	1	2	29.24	8.13	17.75	85.4	6.01	3.3	2.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR5	15:03:56	4.3	Bottom	3	1	28.54	8.11	19.94	79.2	5.65	3.5	2.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR5	15:03:29	4.3	Bottom	3	2	28.45	8.11	17.35	78.2	5.58	3.6	2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:09:22	1.0	Surface	1	1	29.12	8.29	19.18	81.5	5.63	4.2	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:08:45	1.0	Surface	1	2	29.19	8.3	18.74	83.1	5.75	3.8	3.3
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:09:06	3.2	Middle	2	1	28.27	8.26	20.74	75.8	5.26	4.8	3.8
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:08:24	3.2	Middle	2	2	27.94	8.26	21.95	74.4	5.16	5	4.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:08:05	5.3	Bottom	3	1	26.47	8.2	26.38	74.8	5.19	4.9	4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10A	16:08:57	5.3	Bottom	3	2	26.55	8.2	26.28	78.9	5.47	4.6	4.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10B	16:20:28	1.0	Surface	1	1	28.78	8.27	19.77	81.4	5.63	4.2	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10B	16:20:03	1.0	Surface	1	2	28.96	8.28	19.76	82.5	5.69	4.1	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10B	16:19:47	4.3	Bottom	3	1	28.51	8.25	21.46	82.1	5.66	4.1	3.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	SR10B	16:20:14	4.3	Bottom	3	2	28.26	8.25	22.18	81.4	5.61	4.2	3.8

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	2016-06-24	Mid-Ebb	Sunny	CS2	13:50:54	1.0	Surface	1	1	28.33	8.22	17.22	74.4	5.32	4.6	3.6
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:51:30	1.0	Surface	1	2	28.14	8.18	18.34	75.5	5.33	4.5	3.4
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:51:20	4.0	Middle	2	1	27.56	8.1	18.91	74.1	5.22	4.7	3.1
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:50:43	4.0	Middle	2	2	27.82	8.2	17.89	73.7	5.25	4.8	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:51:07	6.9	Bottom	3	1	27.34	8.05	21.75	73.3	5.17	4.9	2.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS2	13:50:31	6.9	Bottom	3	2	27.23	8.14	20.92	73	5.19	5.1	2.8
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:36:17	1.0	Surface	1	1	28.89	8.33	19.19	80.6	5.58	4.5	4.6
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:37:11	1.0	Surface	1	2	28.95	8.31	19.24	80.8	5.59	4.4	4.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:36:41	6.4	Middle	2	1	25.98	8.22	27.44	77.9	5.47	6.4	4.2
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:35:39	6.4	Middle	2	2	25.93	8.23	27.79	76.2	5.3	6.3	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:36:30	11.8	Bottom	3	1	25.8	8.2	29.55	76.5	5.27	5.5	5.5
HKLR	HY/2011/03	2016-06-24	Mid-Ebb	Sunny	CS(Mf)5	15:35:31	11.8	Bottom	3	2	25.66	8.21	29.57	73.5	5.08	5.9	6.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:59:38	1.0	Surface	1	1	28.52	8.3	18.47	81.7	5.72	5.4	4.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:58:53	1.0	Surface	1	2	28.59	8.3	18.46	83.6	5.84	5.2	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:59:29	4.2	Middle	2	1	27.96	8.23	21.02	75.9	5.29	6.3	4.5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:58:43	4.2	Middle	2	2	27.97	8.23	21.39	76.5	5.32	6.3	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:59:21	7.3	Bottom	3	1	27.65	8.21	22.51	76.4	5.31	6.7	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS5	09:58:34	7.3	Bottom	3	2	27.7	8.21	22.39	77.7	5.4	6.7	4.9
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)6	09:46:52	1.0	Surface	1	1	28.3	8.18	18.25	77.9	5.48	7.4	5.2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)6	09:46:39	1.0	Surface	1	2	28.28	8.18	18.32	77.5	5.46	7.6	3.9
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)6	09:46:45	2.4	Bottom	3	1	28.21	8.16	19.25	77.7	5.45	7.7	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)6	09:46:30	2.4	Bottom	3	2	28.18	8.17	19.15	77.3	5.42	7.9	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS7	09:37:37	1.0	Surface	1	1	28.25	8.18	18.44	77.3	5.44	7.3	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS7	09:37:22	1.0	Surface	1	2	28.24	8.18	18.56	77	5.42	7.5	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS7	09:37:12	2.4	Bottom	3	1	28.16	8.17	19.69	76.8	5.38	7.9	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS7	09:37:29	2.4	Bottom	3	2	28.16	8.16	19.61	77.1	5.4	7.5	4.1
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS8	09:12:18	1.0	Surface	1	1	28.24	8.18	18.57	77.8	5.47	6.7	7.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS8	09:12:05	1.0	Surface	1	2	28.24	8.19	18.75	78.2	5.49	6.8	7.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS8	09:11:57	2.8	Bottom	3	1	28.24	8.18	19.3	78.8	5.51	6.8	7.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS8	09:12:10	2.8	Bottom	3	2	28.24	8.18	19.63	78.2	5.46	6.9	7.1
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)9	09:30:14	1.0	Surface	1	1	28.16	8.18	18.84	76.2	5.36	7.9	4.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)9	09:29:57	1.0	Surface	1	2	28.16	8.18	18.75	76.2	5.36	8	5.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)9	09:29:47	2.4	Bottom	3	1	28.08	8.16	20.12	76	5.31	7.4	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS(Mf)9	09:30:04	2.4	Bottom	3	2	28.09	8.16	20.03	76.1	5.32	7.9	3.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:44:32	1.0	Surface	1	1	27.82	8.18	17.08	75.4	5.46	5	4.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:43:58	1.0	Surface	1	2	27.84	8.18	17	75.8	5.49	4.9	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:43:49	5.4	Middle	2	1	27.44	8.13	19.64	74.3	5.27	5	4.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:44:24	5.4	Middle	2	2	27.53	8.14	19.2	72.7	5.22	5.2	5.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:44:08	9.8	Bottom	3	1	27.47	8.12	20.53	71.7	5.12	5.3	5.1
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	IS10	08:43:33	9.8	Bottom	3	2	27.38	8.11	20.34	72	5.14	5.2	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR3	10:07:51	0.9	Middle	2	1	28.84	8.37	18.42	109.2	7.6	4.3	4.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR3	10:07:46	0.9	Middle	2	2	28.85	8.36	18.4	108.4	7.55	4.2	4.5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR4	09:20:35	1.0	Surface	1	1	28.31	8.18	18.34	77.8	5.47	6.3	5.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR4	09:20:21	1.0	Surface	1	2	28.32	8.18	18.33	77.5	5.45	6.2	6.1
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR4	09:20:27	2.7	Bottom	3	1	28.25	8.16	19.45	77.6	5.43	6.4	6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR4	09:20:12	2.7	Bottom	3	2	28.23	8.16	19.76	77.3	5.4	6.7	6.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR5	08:52:35	1.0	Surface	1	1	28.03	8.14	17.46	76.1	5.4	4.7	5.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR5	08:52:03	1.0	Surface	1	2	28.08	8.18	16.69	76.4	5.42	4.8	5.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR5	08:52:15	4.5	Bottom	3	1	28.29	8.18	16.56	73.5	5.24	5	6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR5	08:51:53	4.5	Bottom	3	2	27.55	8.11	19.87	73.9	5.21	5.1	4.4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:52:24	1.0	Surface	1	1	27.29	8.03	22.74	74.3	5.34	2.7	3.5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:53:05	1.0	Surface	1	2	27.34	8.06	22.31	74.3	5.34	2.5	2.9

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	2016-06-24	Mid-Flood	Sunny	SR10A	07:52:10	3.3	Middle	2	1	26.62	7.98	25.06	73.1	5.24	2.7	3.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:52:45	3.3	Middle	2	2	26.55	8.01	25.11	72.4	5.2	2.5	3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:52:36	5.6	Bottom	3	1	26.44	7.97	27	72.6	5.18	2.7	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10A	07:51:59	5.6	Bottom	3	2	26.84	7.94	27.07	74.2	5.25	2.7	2.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10B	07:36:46	1.0	Surface	1	1	27.96	7.94	19.93	80.3	5.78	2.6	2.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10B	07:37:03	1.0	Surface	1	2	27.67	7.95	20.17	79	5.7	2.5	4
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10B	07:36:54	4.2	Bottom	3	1	27.34	7.92	24.68	79.3	5.63	2.6	2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	SR10B	07:36:34	4.2	Bottom	3	2	27.26	7.9	24.23	79.8	5.68	2.6	2.9
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:55	1.0	Surface	1	1	28.15	8.12	19.03	74.7	5.3	5.3	2.6
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:23	1.0	Surface	1	2	27.89	8.12	18.35	74.1	5.35	5.2	3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:46	4.0	Middle	2	1	27.82	8.1	18.17	72.9	5.13	5.5	4.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:15	4.0	Middle	2	2	27.41	8.08	19.11	72.8	5.17	5.6	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:33	7.0	Bottom	3	1	27.58	8.06	20.27	72.7	5.12	5.7	5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS2	10:01:06	7.0	Bottom	3	2	27.34	8.05	20.85	72	5.13	5.8	4.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:31:08	1.0	Surface	1	1	27.91	8.2	19.73	76	5.49	3.3	3.2
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:30:19	1.0	Surface	1	2	27.88	8.19	19.67	75.1	5.29	3.3	3.7
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:30:40	6.7	Middle	2	1	25.02	8.05	32.05	72	5.1	3.9	3.8
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:30:03	6.7	Middle	2	2	25.58	8.04	29.97	74.3	5.38	3.5	3.3
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:30:30	12.4	Bottom	3	1	25.09	8.03	32.18	71.1	5.06	3.8	3.5
HKLR	HY/2011/03	2016-06-24	Mid-Flood	Sunny	CS(Mf)5	08:29:52	12.4	Bottom	3	2	25.9	8.06	30.82	72.4	5.15	3.6	2.7
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:52:52	1.0	Surface	1	1	29.11	8.42	20.77	116.5	7.97	8.5	10
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:53:19	1.0	Surface	1	2	29.12	8.4	20.88	113.8	7.78	8.6	11.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:53:11	4.1	Middle	2	1	28.8	8.37	22.19	101.2	6.88	8.5	10.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:52:43	4.1	Middle	2	2	28.72	8.4	22.92	93.5	6.47	8.7	11.2
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:52:33	7.1	Bottom	3	1	28.12	8.42	24.3	85.7	5.87	8.5	10.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS5	16:53:02	7.1	Bottom	3	2	27.26	8.38	25.03	84.1	5.74	8.7	12
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)6	16:59:22	1.0	Surface	1	1	30.01	8.52	20.14	150.6	10.22	5.6	8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)6	16:59:07	1.0	Surface	1	2	29.99	8.51	20.16	152.6	10.35	5.8	8.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)6	16:59:13	2.2	Bottom	3	1	29.98	8.51	20.46	144.9	9.84	5.8	10.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)6	16:58:59	2.2	Bottom	3	2	30.01	8.5	20.3	139.9	9.49	5.8	8.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS7	17:06:33	1.0	Surface	1	1	29.92	8.54	20.14	148	10.06	5.9	9.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS7	17:06:48	1.0	Surface	1	2	29.98	8.55	20.18	149.8	10.17	5.8	9.7
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS7	17:06:38	2.2	Bottom	3	1	29.94	8.53	20.48	148.6	10.08	6	9.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS7	17:06:27	2.2	Bottom	3	2	29.91	8.53	20.89	149.3	10.11	5.8	9.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS8	17:29:00	1.0	Surface	1	1	28.85	8.34	20.88	124	8.47	14.5	9.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS8	17:29:24	1.0	Surface	1	2	29.48	8.39	20.34	124.3	8.51	14.3	9.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS8	17:29:09	3.0	Bottom	3	1	28.86	8.33	22	119.6	8.19	14.8	10
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS8	17:28:54	3.0	Bottom	3	2	28.74	8.34	21.91	116.5	7.97	14.3	11.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)9	17:15:51	1.0	Surface	1	1	29.44	8.44	20.28	147.6	10.07	8	8.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)9	17:16:08	1.0	Surface	1	2	29.56	8.44	20.2	149	10.15	7.9	8.6
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)9	17:15:45	2.6	Bottom	3	1	29.31	8.44	20.44	141	9.64	8.3	8.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS(Mf)9	17:15:58	2.6	Bottom	3	2	29.45	8.44	20.31	142.1	9.71	7.9	8.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:41:07	1.0	Surface	1	1	30.52	8.45	14.91	101.7	7.02	4.3	4.2
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:42:06	1.0	Surface	1	2	28.95	8.37	16.69	99.5	6.89	4	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:40:51	5.3	Middle	2	1	27.25	8.24	22.84	81.6	5.7	5.3	4.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:41:43	5.3	Middle	2	2	27.36	8.26	22.35	78.5	5.49	5.3	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:40:44	9.5	Bottom	3	1	27.37	8.24	22.89	88.7	6.18	5	5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	IS10	17:41:30	9.5	Bottom	3	2	27.28	8.26	22.76	85.3	5.95	5.1	4.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR3	16:41:29	0.7	Middle	2	1	29.39	8.5	19.86	137.5	9.41	7.1	9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR3	16:41:23	0.7	Middle	2	2	29.43	8.51	19.74	138	9.45	7.1	9.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR4	17:23:33	1.0	Surface	1	1	29.17	8.43	20.42	144.8	9.87	13.4	10.2
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR4	17:23:52	1.0	Surface	1	2	29.07	8.41	20.54	136.4	9.33	13.6	10.8

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	2016-06-27	Mid-Ebb	Sunny	SR4	17:23:44	2.7	Bottom	3	1	28.8	8.39	21.77	130.9	8.98	13.5	12.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR4	17:23:26	2.7	Bottom	3	2	29.04	8.42	21.78	138.8	9.51	13.6	11.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR5	17:34:19	1.0	Surface	1	1	29.42	8.38	15.93	96.1	6.72	3	4.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR5	17:33:54	1.0	Surface	1	2	28.96	8.37	16.65	93.9	6.59	3	5.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR5	17:33:40	4.2	Bottom	3	1	28.02	8.3	21	92.9	6.47	2.8	4.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR5	17:34:05	4.2	Bottom	3	2	28.19	8.3	20.11	90.9	6.34	2.8	3.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:32:51	1.0	Surface	1	1	29.25	8.47	19.92	109.8	7.53	2.9	3.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:33:32	1.0	Surface	1	2	29.24	8.47	20.03	104	7.13	2.9	3.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:33:20	3.3	Middle	2	1	28.09	8.4	23.17	103.3	7.11	2.9	2.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:32:38	3.3	Middle	2	2	27.96	8.42	23.38	108	7.41	2.9	3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:32:30	5.5	Bottom	3	1	27.77	8.43	24.5	94.7	6.5	3.1	3.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10A	18:33:11	5.5	Bottom	3	2	26.78	8.36	26.11	100.4	6.94	3.1	3.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10B	18:41:41	1.0	Surface	1	1	28.93	8.44	20.53	104.2	7.16	3.1	2.6
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10B	18:41:58	1.0	Surface	1	2	29.12	8.46	20.25	108.2	7.42	2.9	3.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10B	18:41:47	4.1	Bottom	3	1	28.89	8.43	23.25	106.2	7.2	3	3.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	SR10B	18:41:35	4.1	Bottom	3	2	27.89	8.43	23.68	105.8	7.28	3	2.9
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:23:05	1.0	Surface	1	1	29.9	8.32	15.04	97.1	6.77	3.2	4.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:23:47	1.0	Surface	1	2	29.99	8.34	15.02	98.3	6.84	3.3	4.4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:22:53	3.9	Middle	2	1	27.84	8.2	19.89	85.5	6.01	3.2	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:23:34	3.9	Middle	2	2	27.8	8.2	20.36	86.6	6.07	3.5	4.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:23:26	6.7	Bottom	3	1	27.72	8.19	21.07	89.8	6.28	3.7	5.2
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS2	16:22:44	6.7	Bottom	3	2	27.74	8.18	21.06	87.6	6.13	3.5	3.8
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:05:54	1.0	Surface	1	1	29.32	8.47	19.66	89.4	6.14	4.5	4.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:06:44	1.0	Surface	1	2	29.3	8.46	19.47	89.4	6.14	4.5	4.3
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:05:42	6.3	Middle	2	1	26.84	8.37	27.16	84.8	5.8	4.7	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:06:31	6.3	Middle	2	2	27.3	8.37	26.36	81.5	5.6	4.7	4
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:06:19	11.5	Bottom	3	1	25.37	8.31	31.3	76.9	5.26	4.7	4.5
HKLR	HY/2011/03	2016-06-27	Mid-Ebb	Sunny	CS(Mf)5	18:05:16	11.5	Bottom	3	2	25.9	8.35	30.47	76.6	5.26	4.6	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:26:05	1.0	Surface	1	1	28.94	8.48	21.5	110.7	7.57	7.5	7.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:26:37	1.0	Surface	1	2	29.25	8.5	21.34	114.8	7.82	7.5	6.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:26:23	4.4	Middle	2	1	27.08	8.4	24.92	103.7	7.08	7.3	6.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:25:55	4.4	Middle	2	2	28.19	8.42	24.32	96.8	6.7	7.4	7.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:26:17	7.7	Bottom	3	1	26.65	8.4	27.67	80.4	5.51	7.4	7.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS5	12:25:45	7.7	Bottom	3	2	26.82	8.43	27.64	80.1	5.48	7.3	7.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)6	12:17:36	1.0	Surface	1	1	29.26	8.52	21.48	128.9	8.47	4.6	8.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)6	12:17:50	1.0	Surface	1	2	29.27	8.55	21.45	130.1	8.55	4.6	8.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)6	12:17:42	2.3	Bottom	3	1	29.25	8.53	21.53	123.5	8.11	4.6	8.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)6	12:17:29	2.3	Bottom	3	2	29.25	8.5	21.51	125.8	8.25	4.7	8.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS7	12:09:53	1.0	Surface	1	1	28.78	8.45	20.5	107.3	7.39	11.5	10.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS7	12:09:13	1.0	Surface	1	2	28.72	8.44	20.53	105.3	7.26	11.4	10.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS7	12:09:06	2.2	Bottom	3	1	28.69	8.42	21.86	103.9	7.12	11.5	12
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS7	12:09:43	2.2	Bottom	3	2	28.57	8.43	22.06	106.2	7.28	11.3	11.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS8	11:45:07	1.0	Surface	1	1	28.2	8.34	21.35	84.3	5.84	13.1	7
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS8	11:45:23	1.0	Surface	1	2	28.28	8.34	21.26	85.1	5.89	13.5	6.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS8	11:45:00	3.0	Bottom	3	1	28.08	8.34	22.28	84.3	5.82	13.3	7.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS8	11:45:14	3.0	Bottom	3	2	28.13	8.33	22.33	84.5	5.83	13.4	9.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)9	12:03:56	1.0	Surface	1	1	28.76	8.44	20.34	107.1	7.39	13.3	8.9
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)9	12:03:42	1.0	Surface	1	2	28.62	8.44	20.74	107.4	7.42	13.5	8.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)9	12:03:35	2.5	Bottom	3	1	28.58	8.41	22.11	106.3	7.28	13.7	9.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS(Mf)9	12:03:48	2.5	Bottom	3	2	28.59	8.42	22.17	106.3	7.28	13.4	8.9
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:26:10	1.0	Surface	1	1	28.57	8.35	18.69	92.8	6.48	4.2	4.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:25:14	1.0	Surface	1	2	28.57	8.34	18.81	97.9	6.83	3.7	4.7

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	2016-06-27	Mid-Flood	Sunny	IS10	11:24:49	5.3	Middle	2	1	26.96	8.22	23.62	77.2	5.39	7.4	4.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:25:50	5.3	Middle	2	2	26.8	8.21	24.49	74.7	5.21	7.5	4.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:24:41	9.6	Bottom	3	1	26.78	8.21	24.66	81.1	5.65	7.2	6.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	IS10	11:25:37	9.6	Bottom	3	2	26.58	8.2	25.33	80.9	5.63	7.5	5.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR3	12:37:17	0.8	Middle	2	1	29.31	8.49	21.34	131.7	8.66	4.2	8.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR3	12:37:24	0.8	Middle	2	2	29.31	8.5	21.34	133	8.74	4.3	8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR4	11:51:53	1.0	Surface	1	1	28.47	8.35	20.64	89.9	6.22	11.3	7.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR4	11:51:35	1.0	Surface	1	2	28.54	8.35	20.65	89.5	6.19	11.6	7.7
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR4	11:51:25	2.8	Bottom	3	1	28.35	8.34	21.9	88.4	6.09	11.6	11.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR4	11:51:46	2.8	Bottom	3	2	28.23	8.33	22.25	89.4	6.16	11.4	10.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR5	11:33:11	1.0	Surface	1	1	28.35	8.34	18.65	96.5	6.77	3.3	3.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR5	11:32:51	1.0	Surface	1	2	28.43	8.35	18.74	96.2	6.74	3.2	3.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR5	11:33:01	3.9	Bottom	3	1	28.02	8.29	21.55	97.2	6.75	3.5	3.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR5	11:32:37	3.9	Bottom	3	2	27.74	8.28	21.23	93.4	6.52	3.4	3.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:09	1.0	Surface	1	1	27.97	8.25	21.49	86.1	5.89	2.6	3.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:30	1.0	Surface	1	2	27.82	8.25	21.52	85.1	5.83	2.7	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:01	3.4	Middle	2	1	27.49	8.21	24.19	84.7	5.85	2.6	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:24	3.4	Middle	2	2	27.38	8.21	24.31	83.7	5.77	2.6	3.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:42:16	5.7	Bottom	3	1	27.83	8.21	26.55	83.1	5.74	2.6	3.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10A	10:41:52	5.7	Bottom	3	2	27.7	8.19	26.35	83.6	5.77	2.7	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10B	10:32:34	1.0	Surface	1	1	28.01	8.18	21.54	86.5	6.01	2.8	3.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10B	10:32:19	1.0	Surface	1	2	27.99	8.16	21.75	86.1	5.97	2.8	3.7
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10B	10:32:26	4.0	Bottom	3	1	27.93	8.14	24.6	86.4	5.91	2.8	3.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	SR10B	10:32:12	4.0	Bottom	3	2	27.92	8.12	24.73	85.8	5.86	2.7	4.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:46:35	1.0	Surface	1	1	28.74	8.29	17.15	80.1	5.63	5.4	4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:45:58	1.0	Surface	1	2	28.37	8.25	18.79	79.7	5.58	5.4	3.6
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:46:20	3.9	Middle	2	1	27.04	8.16	23.28	73	5.1	9	3.2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:45:41	3.9	Middle	2	2	26.99	8.16	23.35	72.5	5.07	9	3.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:45:34	6.8	Bottom	3	1	27	8.15	23.79	75.4	5.26	8.2	3.3
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS2	12:46:14	6.8	Bottom	3	2	27.04	8.15	23.59	75.2	5.24	8.5	3.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:12:56	1.0	Surface	1	1	28.63	8.34	20.67	83.3	5.75	3.4	2.4
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:12:07	1.0	Surface	1	2	28.6	8.33	20.68	82.5	5.7	3.4	2.5
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:12:37	6.3	Middle	2	1	26.38	8.23	28.2	73.9	5.06	3.4	2
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:11:52	6.3	Middle	2	2	26.28	8.21	28.51	81	5.53	3.4	2.1
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:11:43	11.5	Bottom	3	1	24.95	8.18	33.83	73.5	5.05	3.4	2.8
HKLR	HY/2011/03	2016-06-27	Mid-Flood	Sunny	CS(Mf)5	11:12:25	11.5	Bottom	3	2	24.69	8.17	33.91	68.9	4.75	3.5	2.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:49:21	1.0	Surface	1	1	28.28	8.33	20.56	78.1	5.43	7.5	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:48:32	1.0	Surface	1	2	28.09	8.33	21.12	77.9	5.42	7.8	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:48:05	4.1	Middle	2	1	27.17	8.27	25.57	75.3	5.16	7.7	5.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:48:55	4.1	Middle	2	2	26.48	8.24	26.39	75.4	5.22	7.5	5.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:48:44	7.1	Bottom	3	1	26.01	8.23	28.44	71.4	4.93	7.6	4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS5	09:47:56	7.1	Bottom	3	2	25.95	8.24	28.63	73.5	5.08	7.8	4.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)6	09:36:27	1.0	Surface	1	1	28.61	8.38	20.7	88.4	6.1	5.8	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)6	09:36:50	1.0	Surface	1	2	28.65	8.37	21.47	89	6.11	5.9	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)6	09:36:16	2.1	Bottom	3	1	28.22	8.35	22.38	87.1	6	6	5
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)6	09:36:34	2.1	Bottom	3	2	28.28	8.35	22.86	88.2	6.05	5.9	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS7	09:26:39	1.0	Surface	1	1	28.71	8.43	18.57	101.6	7.09	2.8	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS7	09:26:24	1.0	Surface	1	2	28.64	8.42	18.6	100.8	7.04	2.8	2.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS7	09:26:30	2.2	Bottom	3	1	28.66	8.41	20.04	101.1	7	2.9	3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS7	09:26:19	2.2	Bottom	3	2	28.64	8.41	20.2	101	6.99	2.9	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS8	09:03:36	1.0	Surface	1	1	28.67	8.41	19.19	96.3	6.7	7.6	4.8
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS8	09:03:17	1.0	Surface	1	2	28.5	8.39	19.28	95.1	6.63	7.7	5.1

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	2016-06-29	Mid-Ebb	Sunny	IS8	09:03:09	2.9	Bottom	3	1	28.53	8.36	22.72	96.2	6.58	7.7	4.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS8	09:03:23	2.9	Bottom	3	2	28.44	8.36	22.99	95.5	6.53	7.5	4.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)9	09:15:18	1.0	Surface	1	1	28.61	8.4	18.61	92.8	6.48	6.2	3.5
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)9	09:15:07	1.0	Surface	1	2	28.61	8.39	18.67	87.9	6.14	6.3	3.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)9	09:15:12	2.6	Bottom	3	1	28.64	8.39	20.4	90.6	6.26	6.1	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS(Mf)9	09:15:00	2.6	Bottom	3	2	28.44	8.35	22.2	90.2	6.19	6.2	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:12:32	1.0	Surface	1	1	28.18	8.28	16.9	79.1	5.6	3	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:11:55	1.0	Surface	1	2	28.37	8.29	16.83	83.1	5.89	2.6	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:11:41	5.5	Middle	2	1	27.94	8.25	18.58	80.7	5.67	2.9	2.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:12:24	5.5	Middle	2	2	27.79	8.24	18.45	78.9	5.56	3	2.5
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:11:08	10.0	Bottom	3	1	27.52	8.2	20.87	76.9	5.43	3	2.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	IS10	08:12:14	10.0	Bottom	3	2	27.48	8.19	20.97	76	5.39	3.1	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR3	09:56:08	0.7	Middle	2	1	28.33	8.33	20.42	86.7	6.02	5.4	5.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR3	09:56:02	0.7	Middle	2	2	28.28	8.33	20.6	86.2	5.99	5.7	5.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR4	09:09:43	1.0	Surface	1	1	28.43	8.4	19.29	91.9	6.41	6.5	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR4	09:09:30	1.0	Surface	1	2	28.43	8.4	19.27	93.3	6.51	6.7	2.8
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR4	09:09:35	2.8	Bottom	3	1	28.42	8.36	23.75	93.3	6.35	6.8	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR4	09:09:24	2.8	Bottom	3	2	28.52	8.37	23.24	94	6.41	6.6	3.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR5	08:20:06	1.0	Surface	1	1	27.88	8.27	16.92	76.3	5.37	3	3.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR5	08:20:25	1.0	Surface	1	2	27.68	8.25	16.98	74.9	5.3	3	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR5	08:20:19	4.0	Bottom	3	1	27.5	8.2	21.24	74	5.25	3	2.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR5	08:19:55	4.0	Bottom	3	2	27.37	8.19	21.22	71	5.07	3.2	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:52:28	1.0	Surface	1	1	27.98	8.29	19.22	86.6	6.09	2.5	1.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:52:05	1.0	Surface	1	2	27.99	8.29	19.11	86.7	6.09	2.4	1.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:51:58	3.3	Middle	2	1	27.59	8.24	21.55	86.4	5.97	2.6	2.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:52:20	3.3	Middle	2	2	27.66	8.25	21.53	86.1	5.97	2.6	2.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:51:50	5.5	Bottom	3	1	27.77	8.21	24.97	85.4	5.93	2.6	2.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10A	07:52:12	5.5	Bottom	3	2	27.88	8.24	24.21	85.5	5.93	2.6	2.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10B	07:42:11	1.0	Surface	1	1	28.08	8.22	19.41	89.2	6.26	2.3	3.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10B	07:42:26	1.0	Surface	1	2	28.05	8.23	19.38	89.2	6.27	2.2	2.8
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10B	07:42:00	4.2	Bottom	3	1	27.85	8.17	21.84	89	6.18	2.3	3.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	SR10B	07:42:17	4.2	Bottom	3	2	27.99	8.19	21.87	89.2	6.18	2.3	2.5
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:22:56	1.0	Surface	1	1	28.67	8.33	16.25	89.8	6.35	2.7	3.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:23:50	1.0	Surface	1	2	28.47	8.33	16.4	77.9	5.49	2.7	2.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:22:34	4.1	Middle	2	1	27.63	8.25	18.64	86.7	6.07	2.8	3.6
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:23:37	4.1	Middle	2	2	27.67	8.24	20.11	77.7	5.51	2.9	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:22:25	7.2	Bottom	3	1	27.01	8.18	22.98	78.4	5.57	3	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS2	09:23:24	7.2	Bottom	3	2	27.15	8.19	22.49	71.9	5.04	2.9	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:28:20	1.0	Surface	1	1	28.14	8.36	18.99	82.8	5.82	2.6	2.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:27:39	1.0	Surface	1	2	27.92	8.35	19.55	80.9	5.69	2.6	3.1
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:27:24	6.1	Middle	2	1	26.98	8.25	25.05	78.8	5.4	3.2	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:28:03	6.1	Middle	2	2	26.71	8.27	25.06	79.2	5.42	3	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:27:54	11.2	Bottom	3	1	25.93	8.21	30.26	77	5.36	3.1	2.9
HKLR	HY/2011/03	2016-06-29	Mid-Ebb	Sunny	CS(Mf)5	08:27:16	11.2	Bottom	3	2	25.86	8.2	30.45	76	5.27	3.2	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	ISS	13:13:13	1.0	Surface	1	1	29.03	8.41	19.49	86.5	5.97	7.3	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	ISS	13:12:27	1.0	Surface	1	2	29	8.41	19.45	87.7	6.06	7.5	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	ISS	13:12:07	4.3	Middle	2	1	27.55	8.33	23.7	76.2	5.29	7.6	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	ISS	13:12:54	4.3	Middle	2	2	26.98	8.31	24.48	76.7	5.32	7.5	5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	ISS	13:11:58	7.6	Bottom	3	1	26.36	8.31	26.41	70	4.86	7.7	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	ISS	13:12:42	7.6	Bottom	3	2	26.35	8.3	26.56	70.2	4.89	7.5	5.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)6	13:21:28	1.0	Surface	1	1	29.13	8.48	19.24	111.8	7.72	3.3	4.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)6	13:21:40	1.0	Surface	1	2	29.12	8.48	19.27	112.3	7.75	3.1	4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)6	13:21:34	2.3	Bottom	3	1	29.12	8.48	19.28	111.1	7.67	3.2	5.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)6	13:21:22	2.3	Bottom	3	2	29.12	8.48	19.25	109.7	7.57	3.3	4.6
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS7	13:28:57	1.0	Surface	1	1	28.98	8.47	19.33	101.2	7	3.7	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS7	13:28:43	1.0	Surface	1	2	28.99	8.47	19.32	100.5	6.95	3.8	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS7	13:28:50	2.4	Bottom	3	1	28.89	8.45	20.8	102.1	7.01	3.8	3.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS7	13:28:34	2.4	Bottom	3	2	28.59	8.43	21.33	101.2	6.96	3.8	4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS8	13:49:46	1.0	Surface	1	1	28.76	8.47	20.62	100.1	6.9	8.5	9.9
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS8	13:50:02	1.0	Surface	1	2	28.68	8.47	20.69	100.1	6.91	8.4	9.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS8	13:49:37	3.1	Bottom	3	1	28.72	8.46	21.97	100	6.85	8.7	9.8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS8	13:49:54	3.1	Bottom	3	2	28.62	8.45	22.49	101.7	6.95	8.5	9.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)9	13:36:15	1.0	Surface	1	1	28.67	8.47	20.38	101.7	7.03	7.3	7.8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)9	13:36:27	1.0	Surface	1	2	28.68	8.47	20.35	102.2	7.06	7.2	8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)9	13:36:10	2.8	Bottom	3	1	28.71	8.47	20.5	101.8	7.03	7.2	10.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS(Mf)9	13:36:21	2.8	Bottom	3	2	28.72	8.47	20.44	102.4	7.07	7.2	8.6
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:16	1.0	Surface	1	1	27.8	8.27	19.02	78.1	5.47	3	3.9
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:55	1.0	Surface	1	2	27.84	8.26	19.06	77.4	5.42	3	4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:46	5.6	Middle	2	1	27.19	8.21	21.75	74.8	5.28	3.1	4.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:07	5.6	Middle	2	2	27.05	8.2	22.29	77.4	5.46	3.2	4.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:04:57	10.1	Bottom	3	1	27.16	8.19	23	77.1	5.42	3.2	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	IS10	14:05:31	10.1	Bottom	3	2	27	8.19	23.2	71.6	5.04	3.3	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR3	13:00:56	0.7	Middle	2	1	28.99	8.43	18.43	105	7.29	4.2	6.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR3	13:01:02	0.7	Middle	2	2	29.01	8.44	18.46	105.7	7.34	4.2	5.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR4	13:41:35	1.0	Surface	1	1	28.58	8.47	20.7	99.2	6.85	9.3	11.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR4	13:41:48	1.0	Surface	1	2	28.64	8.47	20.67	99.1	6.84	9	10.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR4	13:41:28	2.7	Bottom	3	1	28.47	8.45	21.98	101.1	6.95	9.5	12.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR4	13:41:41	2.7	Bottom	3	2	28.58	8.46	21.95	99.5	6.83	9.3	11.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR5	13:58:50	1.0	Surface	1	1	27.82	8.28	19	77.2	5.37	3	4.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR5	13:59:21	1.0	Surface	1	2	27.76	8.27	19.02	75.7	5.35	3	5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR5	13:59:10	4.2	Bottom	3	1	27.02	8.2	22.69	75.4	5.29	3	5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR5	13:58:38	4.2	Bottom	3	2	27.4	8.22	22.97	74.1	5.24	3.1	4.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:07:20	1.0	Surface	1	1	27.57	8.38	22.82	81.7	5.62	3.1	5.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:06:51	1.0	Surface	1	2	27.59	8.38	22.92	82.1	5.69	3.2	5.4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:06:37	3.3	Middle	2	1	27.23	8.36	24.26	81	5.55	3.2	3.8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:07:09	3.3	Middle	2	2	27.22	8.36	24.27	81	5.61	3.1	4.2
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:06:59	5.5	Bottom	3	1	27.18	8.35	26.09	78.7	5.46	3.3	4.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10A	15:06:29	5.5	Bottom	3	2	27.31	8.35	26.1	79.2	5.48	3.4	4.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10B	15:16:22	1.0	Surface	1	1	27.47	8.38	22.9	81.9	5.69	2.7	4.6
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10B	15:16:37	1.0	Surface	1	2	27.44	8.38	22.92	82	5.71	2.8	4.1
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10B	15:16:13	4.5	Bottom	3	1	27.37	8.36	25.5	81.8	5.62	2.8	3.8
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	SR10B	15:16:29	4.5	Bottom	3	2	27.41	8.36	24.92	82.5	5.68	2.8	3.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:48:07	1.0	Surface	1	1	28.46	8.18	17.71	88.4	6.17	3	3.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:48:49	1.0	Surface	1	2	27.74	8.17	19.52	76.4	5.39	3.2	3.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:47:37	4.1	Middle	2	1	27.5	8.06	20.83	84.4	5.94	3.1	4.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:48:40	4.1	Middle	2	2	27.14	8.11	21.63	76.3	5.33	3.3	4
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:46:30	7.1	Bottom	3	1	26.92	7.73	23.7	75.3	5.29	3.3	3.9
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS2	12:48:29	7.1	Bottom	3	2	27.03	8.07	23.4	75.6	5.32	3.3	3.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:34:03	1.0	Surface	1	1	27.57	8.4	22.95	80.8	5.61	3.4	3.5
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:33:12	1.0	Surface	1	2	27.65	8.41	22.73	79.3	5.5	3.3	3.3
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:33:33	6.2	Middle	2	1	26.23	8.32	27.33	76.4	5.28	3.5	3.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:32:48	6.2	Middle	2	2	26.27	8.33	27.05	73.8	5.11	3.5	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:32:41	11.4	Bottom	3	1	24.74	8.3	32.8	72.9	5.02	3.5	2.7
HKLR	HY/2011/03	2016-06-29	Mid-Flood	Sunny	CS(Mf)5	14:33:25	11.4	Bottom	3	2	24.7	8.29	33.14	73.9	5.08	3.6	3.1

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	2016-07-01	Mid-Ebb	Sunny	IS5	11:42:12	1.0	Surface	1	1	28.99	8.39	18.99	84.4	5.85	9.4	4.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS5	11:42:56	1.0	Surface	1	2	29.03	8.38	18.88	86.3	5.97	9.4	4.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS5	11:41:57	4.1	Middle	2	1	27.94	8.3	23.25	78.1	5.41	10.5	3.3
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS5	11:42:38	4.1	Middle	2	2	28.18	8.31	23.49	76.6	5.31	10.5	4.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS5	11:41:49	7.1	Bottom	3	1	26.11	8.27	27.76	69.8	4.81	10.9	4.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS5	11:42:27	7.1	Bottom	3	2	26.01	8.25	28	69.8	4.78	10.4	4.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS(Mf)6	11:33:25	1.0	Surface	1	1	28.39	8.34	21.23	82.5	5.7	11.2	7
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS(Mf)6	11:33:39	1.0	Surface	1	2	28.33	8.33	21.53	81.6	5.64	11.3	6.7
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS(Mf)6	11:33:15	2.2	Bottom	3	1	28.25	8.34	21.73	83.2	5.75	11.6	7.9
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS(Mf)6	11:33:30	2.2	Bottom	3	2	28.32	8.34	21.6	82.3	5.68	11.2	8.8
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS7	11:22:46	1.0	Surface	1	1	29.04	8.41	19.45	105.6	7.29	7.1	8.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS7	11:22:29	1.0	Surface	1	2	29.01	8.41	19.47	104.4	7.21	7.7	9
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS7	11:22:36	2.3	Bottom	3	1	28.94	8.41	19.69	104.9	7.24	8	8
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS7	11:22:22	2.3	Bottom	3	2	28.96	8.4	19.68	104	7.18	8.2	8.1
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS8	10:59:18	1.0	Surface	1	1	28.72	8.37	19.35	100.3	6.97	4.2	5
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS8	10:59:32	1.0	Surface	1	2	28.76	8.38	19.26	100.8	7	4.1	4.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS8	10:59:10	3.0	Bottom	3	1	28.66	8.37	19.61	100.5	6.97	4.2	3.8
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS8	10:59:24	3.0	Bottom	3	2	28.72	8.37	19.29	100.5	6.98	4.1	4.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS(Mf)9	11:13:32	1.0	Surface	1	1	28.88	8.39	19.69	100.3	6.93	9.2	6.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS(Mf)9	11:13:19	1.0	Surface	1	2	28.87	8.39	19.74	99.9	6.9	9.2	6.3
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS(Mf)9	11:13:25	2.6	Bottom	3	1	28.84	8.39	19.86	100.1	6.92	9.6	6.7
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS(Mf)9	11:13:11	2.6	Bottom	3	2	28.79	8.38	19.98	99.9	6.9	9.4	6.1
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS10	10:35:44	1.0	Surface	1	1	29.05	8.07	13.7	79.5	5.66	2.5	4.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS10	10:35:03	1.0	Surface	1	2	29.09	8.07	13.65	80.3	5.72	2.3	4.1
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS10	10:35:26	5.4	Middle	2	1	27.93	7.97	18.3	71.6	5.07	6.7	4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS10	10:34:46	5.4	Middle	2	2	27.96	7.97	18.14	73.2	5.19	6.9	5.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS10	10:35:21	9.8	Bottom	3	1	27.92	7.96	18.73	73.7	5.2	6.3	4.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	IS10	10:34:39	9.8	Bottom	3	2	27.91	7.96	18.69	76.5	5.41	6.2	3.8
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR3	11:50:39	0.9	Middle	2	1	29.13	8.41	18.64	106.7	7.39	6.2	6.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR3	11:50:32	0.9	Middle	2	2	29.17	8.41	18.44	105.8	7.33	6.1	7
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR4	11:06:40	1.0	Surface	1	1	28.76	8.38	19.26	101.5	7.05	3.2	6.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR4	11:07:01	1.0	Surface	1	2	28.77	8.38	19.28	101.5	7.04	3.2	5.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR4	11:06:34	2.6	Bottom	3	1	28.76	8.38	19.26	101.6	7.05	3.2	5.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR4	11:06:51	2.6	Bottom	3	2	28.71	8.38	19.34	101.4	7.04	3.3	5.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR5	10:39:40	1.0	Surface	1	1	28.71	8.04	13.87	76.9	5.51	3.3	5.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR5	10:39:24	1.0	Surface	1	2	28.65	8.04	13.93	75.9	5.44	3	5.5
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR5	10:39:32	3.7	Bottom	3	1	28.44	7.99	17.66	76.9	5.42	3.8	5.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR5	10:39:16	3.7	Bottom	3	2	28.06	7.97	17.81	75.3	5.34	4	4.8
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10A	09:37:30	1.0	Surface	1	1	28.7	8.29	16.69	85.3	6.01	4.7	7.3
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10A	09:38:10	1.0	Surface	1	2	28.65	8.29	16.73	85.1	6.01	4.6	6.7
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10A	09:38:01	3.3	Middle	2	1	28.25	8.26	18.8	83.7	5.86	4.5	7.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10A	09:37:20	3.3	Middle	2	2	28.09	8.26	18.76	84.5	5.88	4.5	7.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10A	09:37:12	5.6	Bottom	3	1	28.06	8.22	21.13	83.6	5.87	4.6	7.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10A	09:37:48	5.6	Bottom	3	2	27.7	8.2	21.39	83.4	5.84	4.5	6.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10B	09:28:15	1.0	Surface	1	1	28.32	8.32	16.95	85.2	6.03	4.8	5.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10B	09:28:29	1.0	Surface	1	2	28.32	8.31	16.92	84.9	6.01	4.7	5.3
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10B	09:28:08	4.4	Bottom	3	1	28.5	8.3	20.22	85	5.9	4.6	5.5
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	SR10B	09:28:22	4.4	Bottom	3	2	28.25	8.28	20.37	84.7	5.9	4.7	5.5
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS2	11:51:53	1.0	Surface	1	1	29.06	8.12	13.15	82	5.86	4.3	6.9
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS2	11:51:21	1.0	Surface	1	2	29.13	8.12	13.13	83.3	5.94	4.2	6.8
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS2	11:51:40	3.9	Middle	2	1	28.2	8.01	17.65	77.6	5.49	6	7.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS2	11:51:06	3.9	Middle	2	2	28.15	8.01	17.81	74.9	5.3	6	6.5

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	2016-07-01	Mid-Ebb	Sunny	CS2	11:50:57	6.7	Bottom	3	1	28.07	8	18.12	77.6	5.49	7.1	6.8
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS2	11:51:31	6.7	Bottom	3	2	28.36	8.02	17.73	82.4	5.81	7.3	6.1
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS(Mf)5	10:22:58	1.0	Surface	1	1	28.44	8.32	17.46	78.9	5.56	4.5	4.4
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS(Mf)5	10:22:22	1.0	Surface	1	2	28.43	8.32	17.43	78.7	5.55	4.8	4.2
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS(Mf)5	10:22:09	6.3	Middle	2	1	27.44	8.22	21.75	75.8	5.24	4.7	5.8
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS(Mf)5	10:22:46	6.3	Middle	2	2	27.13	8.23	21.86	77.4	5.35	4.7	5.7
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS(Mf)5	10:22:35	11.6	Bottom	3	1	26.43	8.17	27.18	75	5.28	4.9	6.6
HKLR	HY/2011/03	2016-07-01	Mid-Ebb	Sunny	CS(Mf)5	10:22:01	11.6	Bottom	3	2	26.33	8.16	27.42	73.7	5.16	4.7	5.7
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS5	15:53:21	1.0	Surface	1	1	29.21	8.38	18.2	79.1	5.46	11.2	6.5
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS5	15:53:47	1.0	Surface	1	2	29.22	8.37	18.11	80.2	5.54	11.2	5.2
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS5	15:53:10	4.3	Middle	2	1	27.25	8.28	24.77	75.8	5.25	11.1	5.6
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS5	15:53:38	4.3	Middle	2	2	27.67	8.27	24.04	74.5	5.17	11.4	5
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS5	15:53:30	7.5	Bottom	3	1	26.13	8.27	28.05	70.2	4.83	11.5	6.6
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS5	15:53:01	7.5	Bottom	3	2	26.2	8.28	28.02	68.8	4.75	11.2	5.9
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS(Mf)6	16:02:37	1.0	Surface	1	1	28.66	8.35	20.79	86	5.93	11.2	4.9
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS(Mf)6	16:02:50	1.0	Surface	1	2	28.56	8.35	20.63	85.7	5.92	11.4	4.9
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS(Mf)6	16:02:43	2.2	Bottom	3	1	28.46	8.33	21.97	86.2	5.93	11.1	5.7
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS(Mf)6	16:02:28	2.2	Bottom	3	2	28.4	8.34	22.1	85.3	5.87	11.4	7.3
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS7	16:10:56	1.0	Surface	1	1	28.54	8.34	20.7	86.5	5.98	10.3	8.1
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS7	16:11:09	1.0	Surface	1	2	28.54	8.34	20.56	85.6	5.93	10.4	7.4
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS7	16:11:02	2.3	Bottom	3	1	28.44	8.32	21.39	86.2	5.94	10.2	8.4
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS7	16:10:49	2.3	Bottom	3	2	28.54	8.33	21.59	86.9	5.98	10.5	7.7
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS8	16:32:59	1.0	Surface	1	1	29.21	8.47	19.6	106.9	7.35	6.4	4.5
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS8	16:32:38	1.0	Surface	1	2	29.16	8.47	19.61	107.2	7.38	6.3	4.8
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS8	16:32:29	3.0	Bottom	3	1	28.83	8.46	20.67	108.2	7.45	6.4	3.5
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS8	16:32:48	3.0	Bottom	3	2	28.81	8.45	20.55	107	7.37	6.5	4.6
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS(Mf)9	16:16:15	1.0	Surface	1	1	29.14	8.48	19.47	114.1	7.86	5.4	4.1
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS(Mf)9	16:15:57	1.0	Surface	1	2	29.16	8.47	19.46	114.2	7.87	5.5	5
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS(Mf)9	16:16:06	2.6	Bottom	3	1	29.01	8.47	19.59	114.2	7.88	5.4	6
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS(Mf)9	16:15:47	2.6	Bottom	3	2	29.01	8.46	19.67	114.5	7.9	5.6	6.6
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS10	16:47:51	1.0	Surface	1	1	29.28	8.17	12.87	85.3	6.08	3.7	3.2
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS10	16:47:15	1.0	Surface	1	2	29.3	8.18	12.87	90.2	6.43	3.4	3.6
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS10	16:47:35	5.3	Middle	2	1	27.88	8.03	18.63	73.3	5.22	4.8	3.1
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS10	16:46:49	5.3	Middle	2	2	27.51	8.04	19.36	72.7	5.16	4.7	4
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS10	16:46:43	9.6	Bottom	3	1	27.52	8.01	21.66	75.5	5.28	4.5	3.4
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	IS10	16:47:27	9.6	Bottom	3	2	27.68	8.03	20.92	77	5.44	4.7	3.3
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR3	15:41:21	0.6	Middle	2	1	29.21	8.43	18.47	108	7.47	6.3	5.6
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR3	15:41:27	0.6	Middle	2	2	29.18	8.43	18.56	107.9	7.47	6.4	5.8
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR4	16:25:13	1.0	Surface	1	1	29.15	8.47	19.69	107.1	7.37	8.3	5.8
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR4	16:25:27	1.0	Surface	1	2	29.22	8.47	19.63	109.4	7.52	8.3	6.9
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR4	16:25:18	2.7	Bottom	3	1	29.08	8.46	20.01	108.5	7.46	8.2	6.3
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR4	16:25:05	2.7	Bottom	3	2	28.92	8.46	20.14	106.6	7.35	8.3	7.8
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR5	16:39:00	1.0	Surface	1	1	29.05	8.16	12.95	83.3	5.96	3.3	3.1
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR5	16:38:38	1.0	Surface	1	2	28.99	8.17	12.96	82.8	5.93	3.2	2.7
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR5	16:38:28	3.6	Bottom	3	1	28.16	8.07	18.16	82.2	5.8	3.7	2.7
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR5	16:38:50	3.6	Bottom	3	2	28.27	8.06	18.12	82.1	5.78	3.7	3.3
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10A	17:42:11	1.0	Surface	1	1	28.55	8.34	17.93	81.6	5.73	5.9	2.2
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10A	17:42:38	1.0	Surface	1	2	28.58	8.33	17.92	82.9	5.8	5.7	3
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10A	17:42:03	3.4	Middle	2	1	28.06	8.31	19.13	80.9	5.65	6.1	3.3
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10A	17:42:29	3.4	Middle	2	2	28.21	8.31	19.17	82.3	5.71	6.2	3.4
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10A	17:42:20	5.7	Bottom	3	1	28.22	8.29	21.11	80.4	5.64	6.4	4
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10A	17:41:56	5.7	Bottom	3	2	27.77	8.27	21.42	79.1	5.56	6.2	5.4

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	2016-07-01	Mid-Flood	Sunny	SR10B	17:52:03	1.0	Surface	1	1	28.75	8.33	17.7	87.6	6.13	5.4	5.4
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10B	17:51:37	1.0	Surface	1	2	28.47	8.32	17.94	85.5	6.01	5.3	4.8
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10B	17:51:31	4.3	Bottom	3	1	28.46	8.3	19.47	86	5.99	5.4	4.5
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	SR10B	17:51:44	4.3	Bottom	3	2	28.5	8.3	19.51	85.6	5.96	5.5	3.8
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS2	15:26:13	1.0	Surface	1	1	29.15	8.18	13.16	83.3	5.94	4.6	2.6
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS2	15:26:44	1.0	Surface	1	2	28.99	8.15	13.22	81.7	5.84	5	3.7
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS2	15:26:00	3.8	Middle	2	1	28.02	8.06	18.39	76	5.37	5.3	3.2
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS2	15:26:34	3.8	Middle	2	2	28.12	8.05	18.17	78.5	5.54	5.1	3.3
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS2	15:26:24	6.5	Bottom	3	1	28.27	8.06	18.3	83.3	5.86	5.8	3.2
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS2	15:25:49	6.5	Bottom	3	2	28.01	8.08	18.43	79.2	5.59	6.1	2.2
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS(Mf)5	17:13:27	1.0	Surface	1	1	28.56	8.37	17.99	76.4	5.29	9.3	4.2
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS(Mf)5	17:12:55	1.0	Surface	1	2	28.38	8.38	18.08	75.6	5.25	9.4	5.2
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS(Mf)5	17:12:43	6.3	Middle	2	1	27.29	8.31	22.35	74.4	5.09	9.4	3.8
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS(Mf)5	17:13:15	6.3	Middle	2	2	26.76	8.28	22.54	75.2	5.19	9.3	4.9
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS(Mf)5	17:12:31	11.5	Bottom	3	1	27.29	8.27	26.37	70.5	4.93	9.5	4.7
HKLR	HY/2011/03	2016-07-01	Mid-Flood	Sunny	CS(Mf)5	17:13:08	11.5	Bottom	3	2	26.58	8.26	26.91	71.6	5.05	9.5	3.2
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS5	11:43:50	1.0	Surface	1	1	28.28	8.31	18.81	76.5	5.36	14.1	14.1
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS5	11:43:23	1.0	Surface	1	2	28.29	8.33	18.75	76.4	5.36	14.3	14.5
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS5	11:43:12	4.2	Middle	2	1	28.23	8.33	18.99	76.3	5.35	14.5	15.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS5	11:43:43	4.2	Middle	2	2	28.26	8.31	18.92	76.2	5.35	14.2	14.1
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS5	11:43:34	7.4	Bottom	3	1	28.26	8.32	18.95	76.3	5.35	14.5	14.2
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS5	11:43:05	7.4	Bottom	3	2	28.23	8.33	19.05	76	5.33	14.6	16.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS(Mf)6	11:49:14	1.0	Surface	1	1	28.42	8.3	18.87	82.5	5.77	9.3	10.3
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS(Mf)6	11:49:00	1.0	Surface	1	2	28.41	8.3	18.86	83	5.81	9.5	11.1
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS(Mf)6	11:49:05	2.4	Bottom	3	1	28.41	8.3	18.88	82.7	5.78	9.6	10.1
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS(Mf)6	11:48:52	2.4	Bottom	3	2	28.4	8.3	18.89	83.4	5.84	9.8	11.6
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS7	11:56:19	1.0	Surface	1	1	28.41	8.28	18.9	81.5	5.7	9.4	9.8
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS7	11:56:40	1.0	Surface	1	2	28.39	8.28	18.95	81.1	5.68	9.6	9.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS7	11:56:09	2.3	Bottom	3	1	28.4	8.28	18.94	81.6	5.71	9.5	10.8
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS7	11:56:28	2.3	Bottom	3	2	28.38	8.28	19	81.4	5.69	9.5	11.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS8	12:18:03	1.0	Surface	1	1	28.74	8.37	17.97	96	6.71	4.4	4.8
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS8	12:18:18	1.0	Surface	1	2	28.75	8.37	17.93	95.9	6.71	4.6	5.8
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS8	12:18:10	3.1	Bottom	3	1	28.72	8.36	18.12	96.3	6.73	4.6	5.3
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS8	12:17:55	3.1	Bottom	3	2	28.72	8.36	18.27	97.1	6.79	4.5	5.7
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS(Mf)9	12:06:17	1.0	Surface	1	1	28.67	8.34	17.78	88.8	6.23	7.8	5.2
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS(Mf)9	12:06:01	1.0	Surface	1	2	28.69	8.34	17.76	89.4	6.27	7.6	5.2
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS(Mf)9	12:05:52	2.7	Bottom	3	1	28.65	8.33	18.56	89.5	6.25	7.5	4.9
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS(Mf)9	12:06:08	2.7	Bottom	3	2	28.63	8.33	18.61	89.9	6.28	7.7	5.7
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS10	12:38:09	1.0	Surface	1	1	28.65	8.05	20.77	76.2	5.38	3.2	3.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS10	12:37:17	1.0	Surface	1	2	28.59	8.05	20.81	76.6	5.43	3.3	3.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS10	12:37:58	5.3	Middle	2	1	28.52	8.05	20.91	75.1	5.33	3.5	3
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS10	12:37:10	5.3	Middle	2	2	28.48	8.05	20.92	75.2	5.31	3.6	4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS10	12:37:46	9.5	Bottom	3	1	28.17	8.03	21.87	74	5.27	3.8	3.1
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	IS10	12:37:01	9.5	Bottom	3	2	28.25	8.04	21.19	74	5.25	3.7	4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR3	11:31:18	0.7	Middle	2	1	28.28	8.44	18.54	79.5	5.58	13.5	10.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR3	11:31:12	0.7	Middle	2	2	28.27	8.44	18.57	80	5.62	13.1	9.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR4	12:11:47	1.0	Surface	1	1	28.73	8.36	17.96	92.8	6.49	5.5	5.2
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR4	12:12:00	1.0	Surface	1	2	28.75	8.36	17.87	94.7	6.63	5.4	5.6
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR4	12:11:52	2.7	Bottom	3	1	28.75	8.36	17.94	93.8	6.56	5.3	5.6
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR4	12:11:40	2.7	Bottom	3	2	28.71	8.35	18.22	92.5	6.47	5.4	4.9
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR5	12:22:31	1.0	Surface	1	1	28.5	8.05	20.88	75.3	5.32	3.5	3.7
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR5	12:22:57	1.0	Surface	1	2	28.53	8.05	20.85	75.1	5.32	3.4	3.5

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	2016-07-04	Mid-Ebb	Sunny	SR5	12:22:45	4.2	Bottom	3	1	28.36	8.04	21.89	74.1	5.24	3.7	3.5
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR5	12:22:19	4.2	Bottom	3	2	28.23	8.03	22.47	74.2	5.25	3.7	3.5
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10A	13:26:51	1.0	Surface	1	1	28.39	8.33	18.19	76.5	5.37	5.5	4.6
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10A	13:27:13	1.0	Surface	1	2	28.19	8.31	18.26	76.6	5.36	5.1	4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10A	13:27:06	3.4	Middle	2	1	27.76	8.27	20.78	76	5.29	5.3	2.9
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10A	13:26:40	3.4	Middle	2	2	27.64	8.27	21.31	75.9	5.23	5.3	3.6
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10A	13:26:34	5.7	Bottom	3	1	27.97	8.27	22.93	74.7	5.23	5.3	3.7
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10A	13:26:58	5.7	Bottom	3	2	27.94	8.26	22.66	75.3	5.27	5.3	4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10B	13:36:23	1.0	Surface	1	1	28.21	8.3	18.18	77.9	5.49	4.8	3.7
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10B	13:36:42	1.0	Surface	1	2	28.34	8.3	18.09	78	5.49	4.7	3.6
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10B	13:36:32	4.0	Bottom	3	1	27.94	8.25	21.78	77.7	5.39	4.8	3.8
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	SR10B	13:36:15	4.0	Bottom	3	2	28.08	8.26	21.4	77.9	5.4	4.9	4.8
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS2	11:11:00	1.0	Surface	1	1	28.49	8.19	20.51	85.5	6.09	1.3	4.9
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS2	11:11:29	1.0	Surface	1	2	28.46	8.16	20.66	85.6	6.06	1.4	5
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS2	11:11:20	4.0	Middle	2	1	28.39	8.16	20.89	84.2	5.99	1.5	3.7
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS2	11:10:49	4.0	Middle	2	2	28.44	8.19	20.79	83.8	5.96	1.5	4.5
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS2	11:11:13	6.9	Bottom	3	1	28.4	8.17	20.87	83.9	5.97	1.7	4.7
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS2	11:10:39	6.9	Bottom	3	2	28.4	8.2	20.9	83.3	5.93	1.6	3
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS(Mf)5	12:59:15	1.0	Surface	1	1	28.5	8.37	18.1	78.7	5.52	7.5	4.1
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS(Mf)5	12:58:35	1.0	Surface	1	2	28.48	8.38	18.11	78.9	5.49	7.3	4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS(Mf)5	12:59:02	6.3	Middle	2	1	26.48	8.26	24.61	77.8	5.35	7.4	4.5
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS(Mf)5	12:58:23	6.3	Middle	2	2	26.47	8.28	24.59	78.2	5.46	7.2	4.6
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS(Mf)5	12:58:53	11.5	Bottom	3	1	26.44	8.22	28.48	73.9	5.18	7.4	5.4
HKLR	HY/2011/03	2016-07-04	Mid-Ebb	Sunny	CS(Mf)5	12:58:14	11.5	Bottom	3	2	25.77	8.24	29.09	74.1	5.19	7.1	4.8
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS5	06:56:30	1.0	Surface	1	1	28.36	8.31	18.73	80.9	5.67	9.5	6.5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS5	06:56:55	1.0	Surface	1	2	28.36	8.3	18.75	81	5.68	9.5	6.8
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS5	06:56:46	4.3	Middle	2	1	28.36	8.3	18.8	80.9	5.67	9.6	9
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS5	06:56:20	4.3	Middle	2	2	28.36	8.31	18.79	80.9	5.67	9.4	9.1
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS5	06:56:13	7.6	Bottom	3	1	28.36	8.31	18.83	80.8	5.66	9.7	9.3
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS5	06:56:38	7.6	Bottom	3	2	28.37	8.3	18.82	80.8	5.66	9.6	9.5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS(Mf)6	06:47:38	1.0	Surface	1	1	28.59	8.36	18.49	94.9	6.64	5.7	6.1
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS(Mf)6	06:47:53	1.0	Surface	1	2	28.6	8.36	18.43	94.5	6.61	5.7	6.2
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS(Mf)6	06:47:31	2.4	Bottom	3	1	28.59	8.36	18.47	94.9	6.63	5.8	5.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS(Mf)6	06:47:43	2.4	Bottom	3	2	28.57	8.36	18.63	94.6	6.61	5.8	5.5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS7	06:38:41	1.0	Surface	1	1	28.67	8.34	17.7	90.9	6.37	5.5	5.2
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS7	06:38:25	1.0	Surface	1	2	28.67	8.34	17.7	90.1	6.32	5.5	5.5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS7	06:38:32	2.4	Bottom	3	1	28.67	8.33	17.79	90.6	6.35	5.4	6.8
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS7	06:38:16	2.4	Bottom	3	2	28.65	8.33	17.79	89.6	6.28	5.4	5.9
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS8	06:15:36	1.0	Surface	1	1	28.59	8.35	17.72	87.2	6.12	5.5	5.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS8	06:15:50	1.0	Surface	1	2	28.57	8.35	17.67	86.5	6.08	5.5	5.5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS8	06:15:29	3.1	Bottom	3	1	28.61	8.33	19.59	87.7	6.09	5.5	4.6
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS8	06:15:42	3.1	Bottom	3	2	28.56	8.32	19.79	87.2	6.06	5.4	5.3
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS(Mf)9	06:31:54	1.0	Surface	1	1	28.66	8.34	17.8	90.9	6.37	5.5	4.9
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS(Mf)9	06:32:15	1.0	Surface	1	2	28.66	8.34	17.75	91	6.38	5.5	5.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS(Mf)9	06:31:47	2.8	Bottom	3	1	28.66	8.34	17.79	90.8	6.36	5.6	5.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS(Mf)9	06:32:00	2.8	Bottom	3	2	28.66	8.34	17.83	90.8	6.37	5.5	5.6
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS10	05:57:49	1.0	Surface	1	1	28.25	8.07	20.77	74.1	5.3	2.5	4.3
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS10	05:57:15	1.0	Surface	1	2	28.13	8.07	20.92	73.8	5.27	2.5	4.4
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS10	05:57:04	5.3	Middle	2	1	27.65	8.02	24.65	72.4	5.24	2.7	4.4
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS10	05:57:40	5.3	Middle	2	2	27.7	8.02	24.43	72.7	5.22	2.8	4.6
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS10	05:57:27	9.6	Bottom	3	1	27.9	8.01	24.65	72	5.17	2.9	4.6
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	IS10	05:56:52	9.6	Bottom	3	2	27.78	8.02	24.72	71.8	5.13	2.9	4.7

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	2016-07-04	Mid-Flood	Cloudy	SR3	07:05:28	0.7	Middle	2	1	28.36	8.29	18.71	80.9	5.67	8.2	8.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR3	07:05:33	0.7	Middle	2	2	28.36	8.29	18.71	80.9	5.67	8	9.6
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR4	06:21:51	1.0	Surface	1	1	28.62	8.34	17.72	89.3	6.27	4.3	4.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR4	06:22:12	1.0	Surface	1	2	28.63	8.34	17.65	89.1	6.26	4.4	4.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR4	06:22:00	2.8	Bottom	3	1	28.61	8.32	19.38	89.4	6.22	4.5	5.3
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR4	06:21:43	2.8	Bottom	3	2	28.61	8.34	17.85	89	6.24	4.3	5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR5	06:08:48	1.0	Surface	1	1	28.18	8.05	20.81	71.6	5.12	2.5	4.6
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR5	06:08:25	1.0	Surface	1	2	28.31	8.05	20.72	72.3	5.16	2.6	4.6
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR5	06:08:38	4.2	Bottom	3	1	27.87	8	24.19	72	5.07	2.8	4
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR5	06:08:14	4.2	Bottom	3	2	28.12	8	24.32	73.1	5.13	2.8	3.2
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10A	05:15:07	1.0	Surface	1	1	27.62	8.33	20.53	81.8	5.75	2.5	3.3
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10A	05:14:16	1.0	Surface	1	2	27.82	8.33	21.4	80.1	5.56	2.5	2.9
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10A	05:14:07	3.2	Middle	2	1	26.54	8.28	25.38	79.5	5.55	2.6	3.2
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10A	05:14:48	3.2	Middle	2	2	26.56	8.28	24.8	75.6	5.26	2.6	3.3
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10A	05:14:00	5.3	Bottom	3	1	26.09	8.27	27.5	78.2	5.45	2.6	3.5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10A	05:14:39	5.3	Bottom	3	2	25.96	8.25	27.57	75.3	5.26	2.6	4.2
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10B	05:02:24	1.0	Surface	1	1	27.11	8.33	23.13	74.4	5.17	2.4	3.5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10B	05:01:51	1.0	Surface	1	2	27.7	8.36	22.35	75.3	5.25	2.4	3.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10B	05:02:11	3.6	Bottom	3	1	26.45	8.3	25.88	70.3	4.91	2.5	3.8
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	SR10B	05:01:39	3.6	Bottom	3	2	26.87	8.31	25.49	74	5.13	2.5	3.8
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS2	07:18:10	1.0	Surface	1	1	28.43	8.05	20.81	76.6	5.44	2.4	4.1
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS2	07:17:42	1.0	Surface	1	2	28.38	8.06	20.96	77.2	5.49	2.2	5
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS2	07:17:32	4.0	Middle	2	1	28.26	8.05	21.37	76.3	5.43	2.5	3.9
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS2	07:18:00	4.0	Middle	2	2	28.33	8.05	21.19	75.8	5.39	2.5	3.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS2	07:17:21	6.9	Bottom	3	1	28.17	8.03	22.27	76.1	5.39	2.6	3.9
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS2	07:17:52	6.9	Bottom	3	2	28.33	8.04	21.62	75.3	5.36	2.7	3.6
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS(Mf)5	05:44:07	1.0	Surface	1	1	27.38	8.31	22.11	76.8	5.37	2.4	4
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS(Mf)5	05:43:18	1.0	Surface	1	2	27.62	8.32	21.24	77.8	5.44	2.3	3.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS(Mf)5	05:43:47	6.5	Middle	2	1	25.93	8.24	27.61	74.1	5.11	2.7	2.7
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS(Mf)5	05:42:58	6.5	Middle	2	2	26.04	8.24	27.46	74.6	5.14	2.8	3.9
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS(Mf)5	05:42:39	11.9	Bottom	3	1	25.52	8.2	30.56	70.2	4.88	2.8	
HKLR	HY/2011/03	2016-07-04	Mid-Flood	Cloudy	CS(Mf)5	05:43:33	11.9	Bottom	3	2	25.33	8.2	31.12	69.4	4.83	2.8	
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS5	13:32:03	1.0	Surface	1	1	27.94	8.25	18.5	76.1	5.38	15.5	15.6
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS5	13:32:29	1.0	Surface	1	2	27.93	8.24	18.65	76.5	5.41	15.6	16.1
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS5	13:31:54	4.2	Middle	2	1	27.94	8.25	18.57	75.6	5.35	15.7	16.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS5	13:32:20	4.2	Middle	2	2	27.93	8.24	18.69	75.9	5.37	15.7	15.9
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS5	13:31:44	7.4	Bottom	3	1	27.95	8.26	18.55	75.3	5.32	15.9	15.5
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS5	13:32:14	7.4	Bottom	3	2	27.93	8.24	18.68	75.4	5.32	15.8	15.7
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS(Mf)6	13:39:12	1.0	Surface	1	1	27.92	8.22	18.19	78.4	5.57	10.4	14.1
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS(Mf)6	13:39:29	1.0	Surface	1	2	27.93	8.22	18.31	78.8	5.63	10.2	13
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS(Mf)6	13:39:21	2.4	Bottom	3	1	27.93	8.21	18.55	77.4	5.54	10.6	13.1
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS(Mf)6	13:39:04	2.4	Bottom	3	2	27.92	8.22	18.36	77.9	5.52	10.7	14.1
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS7	13:47:45	1.0	Surface	1	1	27.93	8.2	18.31	76	5.38	11.3	10.4
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS7	13:48:06	1.0	Surface	1	2	27.93	8.2	18.34	76.2	5.39	11.2	10.4
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS7	13:47:33	2.3	Bottom	3	1	27.93	8.2	18.46	74.8	5.29	11.7	13
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS7	13:47:55	2.3	Bottom	3	2	27.93	8.2	18.36	75.2	5.32	11.5	13.1
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS8	14:10:42	1.0	Surface	1	1	28.15	8.23	17.63	84	5.89	4.5	5.5
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS8	14:11:01	1.0	Surface	1	2	28.21	8.24	17.23	84.6	5.93	4.3	6.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS8	14:10:32	2.7	Bottom	3	1	28.09	8.2	19.38	82.6	5.84	4.9	6.5
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS8	14:10:52	2.7	Bottom	3	2	28.18	8.22	17.89	82.4	5.82	4.7	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS(Mf)9	13:55:46	1.0	Surface	1	1	28.36	8.23	17.08	86.2	6.07	6.4	4.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS(Mf)9	13:55:24	1.0	Surface	1	2	28.27	8.24	17.05	85.8	6.04	6.6	5.1

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	2016-07-06	Mid-Ebb	Rainy	IS(Mf)9	13:55:33	2.6	Bottom	3	1	28.37	8.22	18.19	84.1	5.94	6.8	4.7
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS(Mf)9	13:55:13	2.6	Bottom	3	2	28.35	8.23	18	84.6	5.99	6.9	3.9
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS10	14:09:01	1.0	Surface	1	1	28.11	8.36	14.65	74.2	5.31	9.5	5
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS10	14:08:30	1.0	Surface	1	2	28.08	8.35	15.11	74.1	5.25	9.5	4.1
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS10	14:08:52	5.3	Middle	2	1	28	8.33	16.17	73.7	5.28	9.6	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS10	14:08:23	5.3	Middle	2	2	27.97	8.32	16.4	72.3	5.19	9.4	4.7
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS10	14:08:41	9.5	Bottom	3	1	28.04	8.32	17.07	72.6	5.19	9.3	5.4
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	IS10	14:08:11	9.5	Bottom	3	2	27.95	8.29	18.18	71.7	5.13	9.5	4.9
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR3	13:21:54	0.7	Middle	2	1	27.95	8.36	18.45	78.4	5.55	15.5	11.7
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR3	13:22:03	0.7	Middle	2	2	27.95	8.34	18.64	78.8	5.6	15.6	12.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR4	14:01:23	1.0	Surface	1	1	28.27	8.24	17.23	87.9	6.22	5.4	5.6
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR4	14:01:03	1.0	Surface	1	2	28.22	8.24	17.22	87.6	6.19	5.5	5.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR4	14:00:50	2.8	Bottom	3	1	28.15	8.22	18.61	86.4	6.12	5.8	7.6
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR4	14:01:14	2.8	Bottom	3	2	28.27	8.24	17.34	86.9	6.11	5.7	8.2
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR5	13:56:19	1.0	Surface	1	1	28.15	8.37	14.67	75.3	5.42	4.6	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR5	13:56:34	1.0	Surface	1	2	28.13	8.35	15.54	76.1	5.45	4.5	4.7
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR5	13:56:11	3.8	Bottom	3	1	28.07	8.35	15.99	76.2	5.45	4.5	4.4
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR5	13:56:27	3.8	Bottom	3	2	28.1	8.34	15.93	76.1	5.45	4.5	4.6
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10A	15:03:14	1.0	Surface	1	1	28.1	8.25	17.32	81.2	5.71	2.7	3.9
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10A	15:03:45	1.0	Surface	1	2	27.87	8.22	18.53	80.6	5.73	2.8	3.8
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10A	15:03:03	3.3	Middle	2	1	27.87	8.24	17.92	79.3	5.62	2.8	4.7
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10A	15:03:35	3.3	Middle	2	2	27.71	8.21	18.96	79.1	5.56	3	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10A	15:02:51	5.6	Bottom	3	1	27.88	8.21	20.06	77.7	5.52	2.9	5
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10A	15:03:28	5.6	Bottom	3	2	27.82	8.2	19.86	78.9	5.6	3.1	6.1
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10B	15:15:57	1.0	Surface	1	1	27.85	8.23	17.21	76.3	5.36	2.9	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10B	15:16:19	1.0	Surface	1	2	27.65	8.22	17.81	76.3	5.41	2.9	3.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10B	15:16:10	4.0	Bottom	3	1	27.81	8.21	19.45	75.6	5.39	3	4.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	SR10B	15:15:50	4.0	Bottom	3	2	27.84	8.2	19.68	76	5.34	3	3.6
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS2	12:42:28	1.0	Surface	1	1	28.17	8.36	14.47	72.7	5.23	8.4	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS2	12:41:58	1.0	Surface	1	2	28.18	8.35	14.81	72.4	5.13	8.2	4.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS2	12:42:16	3.9	Middle	2	1	27.89	8.29	17.25	72.1	5.11	8.5	4.7
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS2	12:41:47	3.9	Middle	2	2	27.85	8.28	17.37	69.9	5.03	8.6	4.9
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS2	12:41:30	6.8	Bottom	3	1	27.66	8.21	19.26	70.5	4.99	8.5	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS2	12:42:09	6.8	Bottom	3	2	27.91	8.27	18.4	69.7	4.96	8.9	5.6
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS(Mf)5	14:41:32	1.0	Surface	1	1	28.04	8.23	17.03	80.6	5.72	4.6	5.9
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS(Mf)5	14:40:44	1.0	Surface	1	2	28.02	8.23	17.34	80.3	5.73	4.7	5.7
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS(Mf)5	14:40:34	6.7	Middle	2	1	27.96	8.23	17.53	79.3	5.63	4.9	4.8
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS(Mf)5	14:41:18	6.7	Middle	2	2	27.95	8.22	17.32	79.4	5.64	4.8	6.1
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS(Mf)5	14:40:23	12.3	Bottom	3	1	27.94	8.21	18.52	78.3	5.52	5.1	6.3
HKLR	HY/2011/03	2016-07-06	Mid-Ebb	Rainy	CS(Mf)5	14:41:05	12.3	Bottom	3	2	27.85	8.15	19.49	78.2	5.57	5	6.8
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS5	08:11:05	1.0	Surface	1	1	28.4	8.23	16.87	86.1	6.08	4.4	4.3
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS5	08:11:29	1.0	Surface	1	2	28.4	8.23	17.32	86	6.09	4.3	4.1
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS5	08:10:56	4.2	Middle	2	1	28.43	8.21	17.98	86.1	6.05	4.6	5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS5	08:11:18	4.2	Middle	2	2	28.47	8.21	18.05	85.9	6.08	4.5	5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS5	08:10:47	7.4	Bottom	3	1	28.39	8.21	18.26	85.6	6.02	4.8	4.6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS5	08:11:12	7.4	Bottom	3	2	28.44	8.21	18.33	85.8	6.03	4.8	5.6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS(Mf)6	08:00:11	1.0	Surface	1	1	28.38	8.21	16.89	86.9	6.22	4.2	5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS(Mf)6	08:00:27	1.0	Surface	1	2	28.42	8.21	16.86	87.4	6.18	4.2	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS(Mf)6	08:00:20	2.5	Bottom	3	1	28.42	8.2	18.12	86.6	6.1	4.4	4.4
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS(Mf)6	08:00:03	2.5	Bottom	3	2	28.37	8.21	17.88	86.3	6.11	4.3	5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS7	07:55:12	1.0	Surface	1	1	28.33	8.23	16.13	84.4	6.01	4.3	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS7	07:54:50	1.0	Surface	1	2	28.36	8.22	16.05	84.6	6.02	4.4	3.8

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	2016-07-06	Mid-Flood	Rainy	IS7	07:54:39	2.5	Bottom	3	1	28.35	8.19	18.2	84.5	5.94	4.5	4.8
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS7	07:54:59	2.5	Bottom	3	2	28.35	8.19	18.45	84.5	5.93	4.6	3.5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS8	07:34:00	1.0	Surface	1	1	28.44	8.19	16.73	83.2	5.85	7.2	5.1
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS8	07:33:43	1.0	Surface	1	2	28.39	8.2	16.9	82.8	5.86	7.1	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS8	07:33:52	2.8	Bottom	3	1	28.44	8.16	18.81	81.5	5.78	7.4	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS8	07:33:29	2.8	Bottom	3	2	28.38	8.17	18.68	81.8	5.79	7.4	4.9
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS(Mf)9	07:46:29	1.0	Surface	1	1	28.33	8.23	16.03	85.1	6.06	4.2	4.9
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS(Mf)9	07:46:07	1.0	Surface	1	2	28.41	8.21	16.19	85.7	6.08	4.3	4.3
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS(Mf)9	07:45:58	2.7	Bottom	3	1	28.37	8.19	18.3	85.9	6.03	4.7	4.5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS(Mf)9	07:46:18	2.7	Bottom	3	2	28.37	8.19	18.25	85.3	5.99	4.6	5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS10	07:20:15	1.0	Surface	1	1	27.17	8.34	20.41	81.8	5.75	8.4	5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS10	07:19:48	1.0	Surface	1	2	27.45	8.35	19.57	83.1	5.84	8.8	6.1
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS10	07:20:07	5.4	Middle	2	1	26.89	8.3	22.34	79.5	5.63	8.5	5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS10	07:19:37	5.4	Middle	2	2	26.92	8.3	22.3	81.8	5.79	8.7	4.7
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS10	07:19:29	9.8	Bottom	3	1	27.11	8.3	22.29	81.2	5.72	8.5	6.6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	IS10	07:19:59	9.8	Bottom	3	2	27.03	8.3	22.4	79.6	5.61	8.5	6.6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR3	08:18:39	0.8	Middle	2	1	28.47	8.21	18.09	85.8	6.02	6.4	6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR3	08:18:51	0.8	Middle	2	2	28.5	8.21	18.2	85.5	5.99	6.3	5.5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR4	07:41:33	1.0	Surface	1	1	28.35	8.2	16.7	81.5	5.78	4.3	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR4	07:41:14	1.0	Surface	1	2	28.36	8.21	16.61	81.5	5.78	4.2	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR4	07:41:02	2.8	Bottom	3	1	28.4	8.17	18.64	81.7	5.73	4.5	5.3
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR4	07:41:22	2.8	Bottom	3	2	28.37	8.18	18.38	81.7	5.74	4.7	5.9
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR5	07:28:18	1.0	Surface	1	1	27.29	8.33	20.34	81.4	5.76	10.4	5.6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR5	07:28:33	1.0	Surface	1	2	27.32	8.33	20.06	81.6	5.78	10.4	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR5	07:28:24	4.3	Bottom	3	1	27.23	8.31	22.01	81.4	5.72	10.5	7
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR5	07:28:08	4.3	Bottom	3	2	27.14	8.3	22.11	81.4	5.72	10.7	7.5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10A	06:35:23	1.0	Surface	1	1	26.48	8.18	24.87	72.8	5.35	2.3	4.5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10A	06:35:53	1.0	Surface	1	2	26.53	8.18	24.81	72.1	5.35	2.1	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10A	06:35:15	3.3	Middle	2	1	26.26	8.17	25.81	72.1	5.33	2.5	5.6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10A	06:35:41	3.3	Middle	2	2	26.07	8.16	25.96	72.1	5.34	2.4	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10A	06:35:34	5.6	Bottom	3	1	26.24	8.15	27.36	72.2	5.3	2.8	4.8
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10A	06:35:05	5.6	Bottom	3	2	26.28	8.15	27.33	71.8	5.29	2.7	4.8
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10B	06:25:11	1.0	Surface	1	1	26.43	8.18	25.41	74.4	5.35	3.2	3
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10B	06:25:37	1.0	Surface	1	2	26.48	8.18	25.28	74.3	5.35	3.4	4.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10B	06:25:01	4.2	Bottom	3	1	26.24	8.15	27.58	74.6	5.33	3.5	5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	SR10B	06:25:23	4.2	Bottom	3	2	26.28	8.15	27.59	74.1	5.25	3.6	5.8
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS2	08:41:08	1.0	Surface	1	1	27.87	8.35	17.08	73.6	5.21	11.3	5.6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS2	08:41:35	1.0	Surface	1	2	27.88	8.35	17.32	72.1	5.17	11.4	6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS2	08:40:59	4.2	Middle	2	1	27.51	8.3	19.65	71.5	5.04	11.4	5.1
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS2	08:41:24	4.2	Middle	2	2	27.51	8.31	19.75	71.7	5.06	12.2	5.2
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS2	08:41:19	7.3	Bottom	3	1	27.58	8.3	19.8	68.7	4.9	11.3	5.9
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS2	08:40:50	7.3	Bottom	3	2	27.5	8.29	19.83	69.2	4.89	11.2	5.6
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS(Mf)5	07:06:40	1.0	Surface	1	1	27.6	8.28	20.6	73.4	5.17	2.2	3.5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS(Mf)5	07:05:56	1.0	Surface	1	2	27.47	8.27	21.2	73.4	5.24	2.1	3.7
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS(Mf)5	07:06:25	6.7	Middle	2	1	26.95	8.25	22.6	72.5	5.18	2.4	3.3
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS(Mf)5	07:05:40	6.7	Middle	2	2	26.92	8.25	23.52	72.4	5.24	2.3	3.5
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS(Mf)5	07:05:17	12.4	Bottom	3	1	26.2	8.21	28.33	72.7	5.12	2.5	4.9
HKLR	HY/2011/03	2016-07-06	Mid-Flood	Rainy	CS(Mf)5	07:06:15	12.4	Bottom	3	2	26.54	8.21	24.9	71.9	5.22	2.6	5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	ISS	14:17:11	1.0	Surface	1	1	28.8	8.33	17.37	85.4	5.99	9.3	9.3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	ISS	14:17:56	1.0	Surface	1	2	28.98	8.32	17.43	86.7	6.06	8.6	9
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	ISS	14:17:01	4.3	Middle	2	1	28.39	8.31	18.59	83.8	5.88	12	8.7
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	ISS	14:17:36	4.3	Middle	2	2	28.21	8.29	19.19	80.2	5.62	12	8.8

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	2016-07-08	Mid-Ebb	Sunny	IS5	14:17:25	7.6	Bottom	3	1	28.21	8.29	19.53	83.9	5.87	12.5	11.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS5	14:16:50	7.6	Bottom	3	2	28.51	8.31	18.91	87	6.08	11.3	12.7
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS(Mf)6	14:27:05	1.0	Surface	1	1	29.3	8.34	17.97	102.3	7.09	5.7	6.7
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS(Mf)6	14:26:48	1.0	Surface	1	2	29.34	8.33	17.92	102	7.06	5.7	7.8
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS(Mf)6	14:26:56	2.4	Bottom	3	1	29.29	8.33	17.98	102.3	7.09	5.7	9
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS(Mf)6	14:26:38	2.4	Bottom	3	2	29.33	8.32	17.92	100.6	6.97	5.8	7.5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS7	14:35:04	1.0	Surface	1	1	29.07	8.4	17.36	110.1	7.68	5.6	5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS7	14:34:45	1.0	Surface	1	2	28.94	8.39	17.41	107.5	7.52	6.2	5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS7	14:34:53	2.4	Bottom	3	1	28.92	8.37	18.59	108.8	7.56	6.4	5.1
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS7	14:34:37	2.4	Bottom	3	2	28.92	8.36	18.67	108.7	7.55	6.9	4.5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS8	15:02:11	1.0	Surface	1	1	29.35	8.41	17.27	105	7.3	4.7	3.9
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS8	15:01:50	1.0	Surface	1	2	29.25	8.4	17.3	101.9	7.1	4.8	5.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS8	15:01:40	2.7	Bottom	3	1	28.58	8.38	18.85	100.6	7.02	5	4.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS8	15:01:58	2.7	Bottom	3	2	28.9	8.39	18.6	103.2	7.17	4.9	4.3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS(Mf)9	14:41:42	1.0	Surface	1	1	28.66	8.38	17.57	97.6	6.85	5.5	4.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS(Mf)9	14:41:58	1.0	Surface	1	2	28.96	8.38	17.35	99.7	6.97	5.3	5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS(Mf)9	14:41:49	2.6	Bottom	3	1	28.66	8.36	18.45	99.9	6.98	5.8	3.9
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS(Mf)9	14:41:33	2.6	Bottom	3	2	28.5	8.36	18.48	97.2	6.81	6	4
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS10	15:22:27	1.0	Surface	1	1	29.49	8.46	18.81	82	5.75	4.2	2.1
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS10	15:23:28	1.0	Surface	1	2	29.61	8.47	18.73	81.6	5.74	4.4	2.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS10	15:23:12	5.5	Middle	2	1	29.31	8.42	20.29	80.9	5.67	4.7	2.3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS10	15:22:12	5.5	Middle	2	2	28.96	8.38	21.27	80.5	5.66	4.5	2.5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS10	15:22:03	9.9	Bottom	3	1	27.8	8.31	21.43	79.5	5.57	4.8	2.5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	IS10	15:23:00	9.9	Bottom	3	2	27.47	8.28	23.3	79.3	5.52	4.9	3.1
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR3	14:05:07	0.8	Middle	2	1	29	8.35	15.77	94.1	6.64	7.3	5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR3	14:05:16	0.8	Middle	2	2	29	8.35	16.07	94.3	6.64	7	4.7
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR4	14:52:55	1.0	Surface	1	1	29.33	8.39	17.26	102.7	7.14	4.6	3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR4	14:53:12	1.0	Surface	1	2	29.24	8.39	17.3	104.7	7.29	4.6	2.1
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR4	14:53:03	2.6	Bottom	3	1	29.07	8.38	18.09	104.1	7.23	4.8	3.8
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR4	14:52:43	2.6	Bottom	3	2	28.83	8.37	19.13	102.7	7.12	4.9	3.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR5	15:13:11	1.0	Surface	1	1	29.74	8.46	18.83	85.1	6.02	4.1	2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR5	15:13:36	1.0	Surface	1	2	29.71	8.46	18.96	85.7	6.07	4.2	2.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR5	15:13:00	4.2	Bottom	3	1	29.63	8.45	19.06	82.3	5.78	4.3	2.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR5	15:13:23	4.2	Bottom	3	2	29.56	8.45	19.37	82.6	5.8	4.4	2.6
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10A	16:24:57	1.0	Surface	1	1	29.4	8.26	16.32	86.8	6.06	3.6	3.3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10A	16:24:02	1.0	Surface	1	2	29.39	8.26	16.33	86.5	6.04	3.6	2.4
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10A	16:23:49	3.3	Middle	2	1	29.23	8.26	16.48	85.7	6	4.1	2.6
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10A	16:24:36	3.3	Middle	2	2	29.2	8.26	16.44	85.6	5.99	3.8	2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10A	16:24:25	5.5	Bottom	3	1	28.93	8.25	16.83	85.4	5.99	4.2	3.3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10A	16:23:35	5.5	Bottom	3	2	29.06	8.26	16.76	85.4	5.98	4.4	4.3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10B	16:37:00	1.0	Surface	1	1	29.22	8.26	16.29	86	6.02	4.2	3.1
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10B	16:36:40	1.0	Surface	1	2	29.24	8.26	16.33	86.1	6.03	4.2	3.3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10B	16:36:22	3.9	Bottom	3	1	29.15	8.26	16.45	86.1	6.03	4.5	2.3
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	SR10B	16:36:49	3.9	Bottom	3	2	29.14	8.25	16.45	85.8	6.01	4.2	2.4
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS2	14:00:34	1.0	Surface	1	1	28.9	8.37	20.89	75.8	5.32	4.4	2.4
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS2	13:59:58	1.0	Surface	1	2	29.46	8.35	20.47	75.9	5.33	4.3	2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS2	14:00:21	4.1	Middle	2	1	28.6	8.34	21.38	75.4	5.27	4.6	3.2
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS2	13:59:44	4.1	Middle	2	2	28.55	8.32	21.17	75.6	5.3	4.5	2.4
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS2	13:59:32	7.1	Bottom	3	1	27.43	8.19	25.64	74.9	5.23	4.8	2.5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS2	14:00:11	7.1	Bottom	3	2	27.4	8.23	23.84	74.7	5.23	4.9	3.4
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS(Mf)5	15:47:08	1.0	Surface	1	1	29.53	8.29	15.96	82.6	5.76	3.4	3.5
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS(Mf)5	15:48:19	1.0	Surface	1	2	29.5	8.28	16.08	82.6	5.77	3.6	3.4

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	2016-07-08	Mid-Ebb	Sunny	CS(Mf)5	15:47:46	6.7	Middle	2	1	26.65	8.19	23.95	79.2	5.6	3.4	3.6
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS(Mf)5	15:46:32	6.7	Middle	2	2	25.95	8.17	26.64	78.1	5.49	3.6	3.1
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS(Mf)5	15:46:17	12.3	Bottom	3	1	25.62	8.14	28.09	73.2	5.11	3.3	3.8
HKLR	HY/2011/03	2016-07-08	Mid-Ebb	Sunny	CS(Mf)5	15:47:28	12.3	Bottom	3	2	25.94	8.14	26.79	73.2	5.11	3.6	4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS5	10:19:47	1.0	Surface	1	1	28.45	8.22	18.2	82.7	5.81	5.4	3.2
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS5	10:19:24	1.0	Surface	1	2	28.45	8.22	18.16	81	5.69	5.8	3.6
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS5	10:19:38	4.2	Middle	2	1	28.08	8.19	19.39	82.2	5.77	6.1	2.4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS5	10:19:15	4.2	Middle	2	2	28.04	8.19	19.29	79.7	5.6	6.5	4.4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS5	10:19:08	7.4	Bottom	3	1	28.12	8.18	20.79	83.3	5.8	6.1	4.8
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS5	10:19:32	7.4	Bottom	3	2	28.32	8.19	20.47	84.4	5.86	5.8	3.2
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS(Mf)6	10:08:57	1.0	Surface	1	1	28.44	8.23	17.9	90.6	6.37	4.9	2.2
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS(Mf)6	10:08:44	1.0	Surface	1	2	28.44	8.23	17.85	90.8	6.39	4.9	3.4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS(Mf)6	10:08:52	2.3	Bottom	3	1	28.43	8.23	17.92	90.5	6.37	4.9	3.3
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS(Mf)6	10:08:38	2.3	Bottom	3	2	28.44	8.23	17.91	90.9	6.39	4.8	3
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS7	10:01:47	1.0	Surface	1	1	28.46	8.23	17.75	92.8	6.53	4.7	4.6
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS7	10:00:49	1.0	Surface	1	2	28.49	8.21	17.62	92.9	6.54	4.8	4.8
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS7	10:00:42	2.4	Bottom	3	1	28.47	8.2	17.79	93.1	6.55	4.7	4.5
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS7	10:01:37	2.4	Bottom	3	2	28.44	8.22	17.96	93.4	6.57	5	3.7
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS8	09:26:12	1.0	Surface	1	1	28.39	8.09	16.64	75.3	5.33	6.8	4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS8	09:26:00	1.0	Surface	1	2	28.47	8.09	16.54	76	5.38	6.9	4.4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS8	09:26:06	2.8	Bottom	3	1	28.36	8.08	17.66	75.7	5.34	7.2	4.4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS8	09:25:50	2.8	Bottom	3	2	28.26	8.07	17.85	76.4	5.39	7.7	3.9
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS(Mf)9	09:52:41	1.0	Surface	1	1	28.57	8.14	16.72	79.4	5.61	4	4.1
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS(Mf)9	09:53:01	1.0	Surface	1	2	28.38	8.13	17.05	77.5	5.48	4.2	4.9
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS(Mf)9	09:52:52	2.9	Bottom	3	1	28.3	8.11	18.24	78.2	5.5	4.5	4.5
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS(Mf)9	09:52:18	2.9	Bottom	3	2	28.32	8.11	18.03	77.7	5.48	4.6	4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS10	08:51:13	1.0	Surface	1	1	28.36	8.44	18.88	75.8	5.32	4.3	3.8
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS10	08:52:05	1.0	Surface	1	2	28.7	8.46	18.48	75.9	5.34	4.2	3.7
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS10	08:51:53	5.5	Middle	2	1	27.83	8.32	24.3	75.6	5.31	4.4	3.5
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS10	08:51:04	5.5	Middle	2	2	27.84	8.33	24.14	75.5	5.28	4.6	3.4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS10	08:51:39	10.0	Bottom	3	1	26.9	8.22	21.3	75.1	5.25	4.8	3.6
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	IS10	08:50:49	10.0	Bottom	3	2	27.03	8.25	22.51	75.2	5.22	4.9	4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR3	10:28:23	0.8	Middle	2	1	28.6	8.25	18.14	95.6	6.7	4.4	4.1
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR3	10:28:29	0.8	Middle	2	2	28.61	8.25	18.14	96	6.73	4.5	3.9
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR4	09:37:49	1.0	Surface	1	1	28.55	8.1	16.78	74.8	5.28	5.7	7.6
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR4	09:38:16	1.0	Surface	1	2	28.51	8.1	16.76	73.9	5.23	5.5	7.8
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR4	09:37:37	2.6	Bottom	3	1	28.49	8.09	17.09	74.8	5.28	6.5	6.8
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR4	09:38:06	2.6	Bottom	3	2	28.31	8.07	17.86	74.2	5.23	6	6.7
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR5	09:12:29	1.0	Surface	1	1	28.52	8.41	22.25	74	5.19	5.4	3.8
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR5	09:12:02	1.0	Surface	1	2	27.74	8.34	24.16	74.1	5.21	5.3	3.7
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR5	09:11:50	4.4	Bottom	3	1	27.12	8.25	23.56	73.4	5.13	5.6	4.9
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR5	09:12:14	4.4	Bottom	3	2	26.9	8.25	21.5	73.1	5.11	5.7	3.1
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10A	08:02:13	1.0	Surface	1	1	28.42	8.13	16.37	74.8	5.41	2.9	4.3
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10A	08:01:44	1.0	Surface	1	2	28.45	8.1	16.38	76.4	5.53	2.7	3.3
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10A	08:01:32	3.3	Middle	2	1	27.99	8.05	18.51	72.6	5.23	2.7	4.2
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10A	08:02:02	3.3	Middle	2	2	27.8	8.05	18.83	70.6	5.1	2.8	4.7
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10A	08:01:55	5.5	Bottom	3	1	25.32	7.93	28.38	73.8	5.27	3	4.2
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10A	08:01:19	5.5	Bottom	3	2	25.78	7.88	27.99	74.3	5.28	2.8	3.6
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10B	07:50:54	1.0	Surface	1	1	28.4	8.17	16.42	72.6	5.15	2.8	5.6
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10B	07:51:11	1.0	Surface	1	2	28.36	8.17	16.43	73.2	5.2	2.7	5.9
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10B	07:51:01	4.1	Bottom	3	1	28.11	8.11	20.01	72.8	5.09	2.7	4.9
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	SR10B	07:50:42	4.1	Bottom	3	2	27.59	8.09	19.97	71.1	5.01	3	4.8

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	2016-07-08	Mid-Flood	Sunny	CS2	10:29:53	1.0	Surface	1	1	27.87	8.4	24.37	75.2	5.27	6.7	5
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS2	10:30:32	1.0	Surface	1	2	27.59	8.37	25.81	75.4	5.29	6.6	4.5
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS2	10:29:41	4.2	Middle	2	1	27.15	8.34	23.26	74.7	5.24	6.9	4.8
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS2	10:30:15	4.2	Middle	2	2	27.1	8.34	22.19	74.7	5.23	6.8	4.9
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS2	10:29:25	7.3	Bottom	3	1	26.8	8.3	23.78	74.1	5.17	7.2	5.3
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS2	10:30:05	7.3	Bottom	3	2	27.06	8.32	24.78	74.2	5.21	7.1	4.7
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS(Mf)5	08:39:34	1.0	Surface	1	1	28.41	8.12	16.68	81	5.86	2.9	4.2
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS(Mf)5	08:38:44	1.0	Surface	1	2	28.44	8.09	16.65	80.3	5.79	2.8	4.2
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS(Mf)5	08:39:10	6.8	Middle	2	1	25.22	7.94	29.34	76.8	5.59	3.3	4
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS(Mf)5	08:38:15	6.8	Middle	2	2	25.23	7.93	29.37	75.6	5.46	3.5	5.3
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS(Mf)5	08:38:57	12.5	Bottom	3	1	25.2	7.91	29.83	72.5	5.24	2.9	6.9
HKLR	HY/2011/03	2016-07-08	Mid-Flood	Sunny	CS(Mf)5	08:38:04	12.5	Bottom	3	2	25.1	7.91	30.07	70.8	5.04	2.8	5.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS5	16:32:27	1.0	Surface	1	1	28.84	8.43	14.25	96.4	6.75	7.9	9.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS5	16:31:48	1.0	Surface	1	2	28.86	8.45	14.06	97.8	6.88	8.1	9.6
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS5	16:32:10	4.0	Middle	2	1	27.6	8.29	20.22	82.6	5.89	7.8	9.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS5	16:31:34	4.0	Middle	2	2	26.53	8.29	21.85	81.5	5.7	7.8	8.9
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS5	16:31:29	6.9	Bottom	3	1	26.44	8.29	25.01	71.4	5.08	7.9	8.9
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS5	16:32:01	6.9	Bottom	3	2	26.34	8.25	25.4	74.8	5.23	8	9
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS(Mf)6	16:42:48	1.0	Surface	1	1	28.87	8.42	16.86	110.2	7.74	9.4	8.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS(Mf)6	16:43:26	1.0	Surface	1	2	28.64	8.41	17.62	107.1	7.52	9.7	8.6
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS(Mf)6	16:42:35	2.4	Bottom	3	1	28.69	8.4	17.48	108.2	7.59	11.6	8.7
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS(Mf)6	16:43:19	2.4	Bottom	3	2	28.56	8.39	17.97	105.9	7.44	11.6	8
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS7	16:48:31	1.0	Surface	1	1	28.86	8.45	16.56	112.6	7.92	6.8	7.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS7	16:48:48	1.0	Surface	1	2	28.86	8.45	16.57	114.6	8.06	6.8	7.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS7	16:48:21	2.2	Bottom	3	1	28.8	8.43	17.49	112.2	7.86	6.9	7.6
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS7	16:48:38	2.2	Bottom	3	2	28.81	8.44	17.47	113.7	7.97	6.9	7.5
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS8	17:13:37	1.0	Surface	1	1	28.32	8.41	18.67	95.4	6.7	5.1	4.9
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS8	17:13:21	1.0	Surface	1	2	28.5	8.43	18.45	97.2	6.81	5.2	4.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS8	17:13:14	3.1	Bottom	3	1	28.41	8.42	19.84	96.5	6.72	5	4.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS8	17:13:29	3.1	Bottom	3	2	28.29	8.41	20.22	98.6	6.86	5.1	3.8
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS(Mf)9	16:58:24	1.0	Surface	1	1	28.99	8.49	17.35	116.3	8.12	4.5	4.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS(Mf)9	16:58:02	1.0	Surface	1	2	28.76	8.48	17.66	121.1	8.47	4.4	2.7
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS(Mf)9	16:57:50	2.8	Bottom	3	1	28.52	8.44	18.91	108.9	7.61	4.4	4.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS(Mf)9	16:58:13	2.8	Bottom	3	2	28.45	8.44	19.18	112.9	7.88	4.5	4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS10	12:47:47	1.0	Surface	1	1	28.52	8.41	17.39	79.5	5.76	4.1	3.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS10	12:48:16	1.0	Surface	1	2	28.48	8.4	17.39	80.4	5.72	4.1	2.1
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS10	12:47:33	4.2	Middle	2	1	28.42	8.41	17.56	78.7	5.63	4.2	3.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS10	12:48:06	4.2	Middle	2	2	28.29	8.36	18.19	78	5.65	4.2	4.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS10	12:47:20	7.4	Bottom	3	1	28.27	8.33	20.51	77	5.58	4.3	3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	IS10	12:47:58	7.4	Bottom	3	2	28.42	8.34	20.8	77.7	5.62	4.4	3.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR3	16:21:38	0.8	Middle	2	1	28.91	8.58	13.2	101.8	7.29	7.9	8.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR3	16:21:50	0.8	Middle	2	2	28.92	8.56	13.26	102.1	7.31	8.2	7.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR4	17:06:22	1.0	Surface	1	1	28.84	8.48	17.78	110.1	7.7	4.5	3.6
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR4	17:06:07	1.0	Surface	1	2	28.82	8.48	17.81	110.4	7.66	4.5	3.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR4	17:06:12	2.6	Bottom	3	1	28.59	8.45	19.94	111.4	7.72	4.5	5.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR4	17:05:58	2.6	Bottom	3	2	28.64	8.45	19.68	107	7.48	4.5	4.8
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR5	11:37:07	1.0	Surface	1	1	28.05	8.38	19.19	77.5	5.53	4.1	4.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR5	11:36:49	1.0	Surface	1	2	28.34	8.4	18.97	77.8	5.6	4	4.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR5	11:36:59	4.3	Bottom	3	1	28.13	8.32	23.61	75.9	5.48	4.3	3.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR5	11:36:42	4.3	Bottom	3	2	28.34	8.38	20.5	77.1	5.43	4.3	3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10A	18:16:31	1.0	Surface	1	1	28.6	8.31	15.42	89	6.33	3.6	4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10A	18:16:59	1.0	Surface	1	2	28.55	8.3	15.45	88.9	6.33	3.6	4.9

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	2016-07-11	Mid-Ebb	Cloudy	SR10A	18:16:19	3.2	Middle	2	1	28.52	8.3	15.82	88.9	6.32	3.6	4.6
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10A	18:16:51	3.2	Middle	2	2	28.5	8.29	15.98	88.9	6.31	3.4	4.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10A	18:16:09	5.4	Bottom	3	1	28.51	8.29	16.79	88.4	6.25	3.5	4.1
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10A	18:16:40	5.4	Bottom	3	2	28.5	8.27	17.63	88.4	6.22	3.5	4.8
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10B	18:26:31	1.0	Surface	1	1	28.53	8.29	15.56	88.8	6.32	3.7	4.1
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10B	18:26:51	1.0	Surface	1	2	28.53	8.29	15.55	88.7	6.31	3.7	4.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10B	18:26:42	4.2	Bottom	3	1	28.51	8.28	15.97	88.6	6.29	3.5	4.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	SR10B	18:26:23	4.2	Bottom	3	2	28.53	8.28	15.85	88.8	6.31	3.6	5.1
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS2	11:22:29	1.0	Surface	1	1	28.41	8.44	18.93	77.6	5.58	3.5	4.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS2	11:23:27	1.0	Surface	1	2	28.42	8.44	18.56	77.6	5.59	3.5	5.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS2	11:22:13	5.6	Middle	2	1	28.24	8.43	19.77	75.7	5.43	3.8	5.6
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS2	11:23:14	5.6	Middle	2	2	28.27	8.41	19.98	75.3	5.4	3.7	4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS2	11:22:58	10.2	Bottom	3	1	27.77	8.32	23.73	74.9	5.3	3.8	5.1
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS2	11:22:01	10.2	Bottom	3	2	27.87	8.34	23.55	75.7	5.36	3.9	4.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS(Mf)5	17:48:52	1.0	Surface	1	1	28.37	8.33	15.77	78.5	5.59	3.6	4.3
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS(Mf)5	17:48:12	1.0	Surface	1	2	28.36	8.34	15.74	76.6	5.46	3.5	5.2
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS(Mf)5	17:48:41	6.1	Middle	2	1	27.99	8.27	20.38	73.9	5.13	3.6	4.1
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS(Mf)5	17:48:01	6.1	Middle	2	2	27.58	8.25	20.63	75.5	5.24	3.5	3.4
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS(Mf)5	17:47:51	11.1	Bottom	3	1	25.38	8.16	29.44	70.3	4.94	3.5	3.9
HKLR	HY/2011/03	2016-07-11	Mid-Ebb	Cloudy	CS(Mf)5	17:48:28	11.1	Bottom	3	2	25.45	8.15	29.28	71.5	5	3.6	4.6
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS5	11:55:41	1.0	Surface	1	1	28.51	8.27	17.5	81.1	5.56	4.5	4.6
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS5	11:56:23	1.0	Surface	1	2	28.54	8.29	17.63	84.3	5.93	4.6	4.5
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS5	11:55:31	4.5	Middle	2	1	26.32	8.16	23.99	72.1	5.08	4.6	5
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS5	11:55:59	4.5	Middle	2	2	26.63	8.16	23.82	74.2	5.15	4.6	5.5
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS5	11:55:25	7.9	Bottom	3	1	26.1	8.16	27.41	68.9	4.85	4.5	5.9
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS5	11:55:50	7.9	Bottom	3	2	26.42	8.16	27.43	71.7	4.95	4.5	6.3
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS(Mf)6	11:49:23	1.0	Surface	1	1	28.53	8.31	17.55	102.8	7.23	3.7	6.8
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS(Mf)6	11:49:11	1.0	Surface	1	2	28.55	8.3	17.5	103	7.24	3.7	6.2
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS(Mf)6	11:49:17	2.3	Bottom	3	1	28.54	8.3	17.71	103.3	7.26	3.8	5
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS(Mf)6	11:49:03	2.3	Bottom	3	2	28.56	8.29	17.63	102.7	7.22	3.7	5.4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS7	11:40:51	1.0	Surface	1	1	28.23	8.2	18.05	83.3	5.88	6.8	4.6
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS7	11:41:04	1.0	Surface	1	2	28.23	8.2	17.91	83.4	5.88	6.9	5.7
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS7	11:40:57	2.2	Bottom	3	1	28.22	8.2	18.09	83.3	5.87	7.5	6.1
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS7	11:40:44	2.2	Bottom	3	2	28.22	8.19	18.53	83.3	5.86	7.4	5.1
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS8	11:16:55	1.0	Surface	1	1	27.8	8.13	18.84	73.9	5.2	6.9	6.2
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS8	11:17:12	1.0	Surface	1	2	27.86	8.14	18.44	72.1	5.11	7.1	6.7
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS8	11:16:49	3.1	Bottom	3	1	27.79	8.12	19.85	73.1	5.17	6.9	8.3
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS8	11:17:03	3.1	Bottom	3	2	27.76	8.11	20.5	72.5	5.08	7.1	8.9
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS(Mf)9	11:34:00	1.0	Surface	1	1	28.18	8.18	18	81.8	5.78	9.5	3.7
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS(Mf)9	11:33:42	1.0	Surface	1	2	28.21	8.18	17.99	82.6	5.83	9.7	4.7
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS(Mf)9	11:33:53	2.8	Bottom	3	1	28.18	8.15	19.59	82.4	5.77	9.3	6.6
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS(Mf)9	11:33:34	2.8	Bottom	3	2	28.24	8.16	19.5	82.8	5.79	9.5	7.4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS10	16:01:57	1.0	Surface	1	1	28.47	8.56	17.18	74.4	5.4	3.8	4.4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS10	16:01:09	1.0	Surface	1	2	28.61	8.6	16.85	75.9	5.5	3.7	4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS10	16:01:47	4.2	Middle	2	1	28.33	8.51	19.72	74.5	5.41	3.9	3.8
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS10	16:00:54	4.2	Middle	2	2	28.33	8.55	19.86	74.2	5.44	3.9	3.8
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS10	16:00:36	7.3	Bottom	3	1	26.48	8.39	28.73	73.8	5.36	4.2	5.1
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	IS10	16:01:27	7.3	Bottom	3	2	26.48	8.33	28.78	73.6	5.32	4.1	3.5
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR3	12:04:59	0.6	Middle	2	1	28.58	8.31	17.61	99.4	6.99	3.6	5.3
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR3	12:05:06	0.6	Middle	2	2	28.58	8.31	17.63	100.4	7.06	3.7	5
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR4	11:23:16	1.0	Surface	1	1	27.87	8.14	18.41	73.5	5.21	6.9	4.4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR4	11:23:31	1.0	Surface	1	2	27.88	8.14	18.48	73.9	5.23	6.9	3.4

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	2016-07-11	Mid-Flood	Cloudy	SR4	11:23:22	3.1	Bottom	3	1	27.87	8.13	19.33	73.8	5.2	6.8	4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR4	11:23:09	3.1	Bottom	3	2	27.81	8.12	19.24	73.7	5.2	7	3.4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR5	17:17:25	1.0	Surface	1	1	28.93	8.54	16.32	85.2	6.12	3.2	3.6
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR5	17:16:53	1.0	Surface	1	2	28.82	8.56	16.04	86.8	6.17	3.4	4.2
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR5	17:17:11	4.1	Bottom	3	1	28.36	8.43	19.85	82.9	5.76	3.6	2.7
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR5	17:16:36	4.1	Bottom	3	2	27.15	8.33	20.89	83.4	5.88	3.8	3.9
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10A	10:18:24	1.0	Surface	1	1	27.86	8.06	16.95	79.5	5.63	2.7	2.8
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10A	10:17:50	1.0	Surface	1	2	27.73	8.05	17.18	77.6	5.51	2.8	2.3
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10A	10:17:43	3.2	Middle	2	1	27.04	7.99	19.79	76.8	5.31	2.8	2.6
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10A	10:18:15	3.2	Middle	2	2	27.33	8.01	19.52	78.6	5.48	2.8	3.8
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10A	10:17:36	5.4	Bottom	3	1	26.86	7.92	24.81	76.1	5.38	2.7	3.1
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10A	10:18:07	5.4	Bottom	3	2	26.82	7.94	23.14	77.3	5.45	2.9	3
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10B	10:07:46	1.0	Surface	1	1	27.67	7.91	18.59	77.3	5.45	2.8	3.5
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10B	10:07:26	1.0	Surface	1	2	27.55	7.87	19.01	77.2	5.44	2.8	2.8
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10B	10:07:17	3.9	Bottom	3	1	27.44	7.82	22.43	77	5.34	2.8	3.5
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	SR10B	10:07:34	3.9	Bottom	3	2	27.26	7.83	22.67	76.9	5.34	2.9	4.2
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS2	17:29:49	1.0	Surface	1	1	28.25	8.31	22.41	85.4	6.07	3.7	4.8
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS2	17:30:21	1.0	Surface	1	2	28.32	8.47	19.22	85	6.03	3.6	3.7
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS2	17:30:11	5.6	Middle	2	1	28.62	8.44	19.01	83.2	5.88	3.8	4.6
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS2	17:29:37	5.6	Middle	2	2	28.41	8.46	18.31	82.3	5.98	3.9	3.7
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS2	17:29:58	10.1	Bottom	3	1	28.34	8.42	19.47	80.6	5.8	4.1	4.4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS2	17:29:27	10.1	Bottom	3	2	28.21	8.37	22.82	79.3	5.72	4	4.3
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS(Mf)5	10:47:33	1.0	Surface	1	1	27.8	8.13	18.09	73.8	5.22	2.8	4.2
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS(Mf)5	10:48:03	1.0	Surface	1	2	27.84	8.14	17.2	76.1	5.33	2.8	3
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS(Mf)5	10:47:21	6.3	Middle	2	1	25.98	8.02	25.53	71.8	5.05	2.9	4.4
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS(Mf)5	10:47:53	6.3	Middle	2	2	25.91	8.02	24.96	71.1	5.03	2.8	4.8
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS(Mf)5	10:47:44	11.6	Bottom	3	1	25.62	8	27.79	70.9	4.99	3	4.3
HKLR	HY/2011/03	2016-07-11	Mid-Flood	Cloudy	CS(Mf)5	10:47:10	11.6	Bottom	3	2	25.58	7.98	27.86	70.8	4.91	3	4.8
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS5	09:13:33	1.0	Surface	1	1	27.91	8.24	15.28	72.2	5.36	10.2	4.9
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS5	09:13:59	1.0	Surface	1	2	27.92	8.2	15.78	74.9	5.43	10.2	4.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS5	09:13:22	4.2	Middle	2	1	25.33	8.04	27.66	70.6	5.13	10.3	5.6
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS5	09:13:52	4.2	Middle	2	2	25.47	8.04	27.24	68.4	5.07	10.4	5.8
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS5	09:13:44	7.4	Bottom	3	1	25.32	8.04	28.75	68.3	4.99	10.3	7.4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS5	09:13:15	7.4	Bottom	3	2	25.33	8.05	28.76	66.2	4.84	10.4	7.8
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS(Mf)6	09:00:38	1.0	Surface	1	1	28	8.18	15.77	75.2	5.39	5.7	4.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS(Mf)6	09:00:23	1.0	Surface	1	2	27.96	8.18	15.29	74.7	5.37	5.7	4.1
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS(Mf)6	09:00:16	2.2	Bottom	3	1	27.9	8.12	19.64	75.2	5.29	5.7	5.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS(Mf)6	09:00:29	2.2	Bottom	3	2	27.85	8.11	19.75	75.3	5.3	5.7	5.4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS7	08:53:57	1.0	Surface	1	1	27.8	8.17	15.71	73.6	5.22	5.2	3.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS7	08:54:10	1.0	Surface	1	2	27.92	8.18	16.12	72.5	5.18	5.2	3.1
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS7	08:53:50	2.2	Bottom	3	1	27.8	8.12	19.9	72.5	5.18	5.4	2
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS7	08:54:02	2.2	Bottom	3	2	27.7	8.1	20.41	72.3	5.09	5.4	2.4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS8	08:27:48	1.0	Surface	1	1	27.96	8.19	14.44	75.4	5.45	8.1	3.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS8	08:27:35	1.0	Surface	1	2	27.93	8.18	14.85	76.3	5.51	7.9	4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS8	08:27:41	3.0	Bottom	3	1	27.94	8.14	19.52	77.2	5.42	7.8	5.1
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS8	08:27:29	3.0	Bottom	3	2	27.97	8.15	19.78	77.2	5.42	7.9	4.9
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS(Mf)9	08:46:43	1.0	Surface	1	1	27.66	8.18	15.13	70.6	5.11	5.1	3.7
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS(Mf)9	08:46:26	1.0	Surface	1	2	27.81	8.18	15.17	74.1	5.35	5.2	3.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS(Mf)9	08:46:36	2.7	Bottom	3	1	27.54	8.07	22.96	72.8	5.06	5.2	3.9
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS(Mf)9	08:46:19	2.7	Bottom	3	2	27.87	8.11	21.25	75	5.23	5.3	4.2
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS10	08:11:26	1.0	Surface	1	1	27.66	8.3	15.09	82.2	5.69	4.9	4.7
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS10	08:12:10	1.0	Surface	1	2	27.7	8.3	15.07	82.2	5.69	4.6	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	2016-07-13	Mid-Ebb	Rainy	IS10	08:11:13	5.3	Middle	2	1	26.67	8.19	20.09	74.4	5.09	6.7	6.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS10	08:11:53	5.3	Middle	2	2	26.69	8.2	19.82	74.4	5.09	6.9	5.8
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS10	08:11:03	9.5	Bottom	3	1	25.77	8.11	26.4	75.1	5.15	7.2	7.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	IS10	08:11:45	9.5	Bottom	3	2	25.78	8.08	25.37	76.8	5.26	7	7.1
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR3	09:21:01	0.6	Middle	2	1	28.04	8.25	14.87	84.8	6.11	5.4	7.4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR3	09:20:45	0.6	Middle	2	2	28.04	8.26	14.85	82.5	5.94	5.5	7.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR4	08:35:52	1.0	Surface	1	1	27.93	8.16	16.21	70.4	5.04	6.3	6
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR4	08:36:09	1.0	Surface	1	2	27.95	8.14	15.9	71.1	5.1	6.2	5.8
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR4	08:35:43	2.6	Bottom	3	1	27.85	8.09	19.47	71.7	5.05	6.5	4.8
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR4	08:35:57	2.6	Bottom	3	2	27.88	8.1	19.94	71	4.98	6.2	5.4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR5	08:19:31	1.0	Surface	1	1	27.7	8.27	14.64	83.9	5.83	3.5	4.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR5	08:19:03	1.0	Surface	1	2	27.69	8.26	15	82.3	5.72	3.6	3.6
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR5	08:19:20	3.9	Bottom	3	1	27.34	8.19	18.06	83.4	5.69	3.5	3.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR5	08:18:46	3.9	Bottom	3	2	27.28	8.2	18.17	78.6	5.39	3.3	4.8
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10A	07:13:04	1.0	Surface	1	1	27.44	8.12	16.55	75.5	5.44	2.9	5.9
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10A	07:13:40	1.0	Surface	1	2	27.63	8.13	15.63	80.9	5.78	2.8	6
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10A	07:12:54	3.3	Middle	2	1	26.87	8.07	19.15	69.5	5.01	2.9	5.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10A	07:13:18	3.3	Middle	2	2	26.67	8.06	19.08	73.2	5.28	3	5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10A	07:13:11	5.5	Bottom	3	1	26.97	8.03	22.97	68.9	4.83	3	6.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10A	07:12:47	5.5	Bottom	3	2	27.05	8.04	22.5	67.5	4.85	2.9	6.6
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10B	07:03:25	1.0	Surface	1	1	27.52	8.13	15.32	72.6	5.26	2.9	6.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10B	07:03:08	1.0	Surface	1	2	27.29	8.11	15.6	72.3	5.25	2.8	6.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10B	07:03:00	4.1	Bottom	3	1	27.15	8.04	21.16	72.6	5.12	2.8	4.7
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	SR10B	07:03:15	4.1	Bottom	3	2	27.25	8.04	21.19	72.3	5.09	2.8	3.6
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS2	09:32:14	1.0	Surface	1	1	27.59	8.35	9.93	85.1	5.95	3.9	6.1
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS2	09:31:44	1.0	Surface	1	2	27.63	8.36	9.86	86	6.01	3.9	5.8
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS2	09:31:34	3.9	Middle	2	1	26.9	8.09	19.98	84	5.83	3.8	7.2
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS2	09:32:04	3.9	Middle	2	2	26.98	8.11	19.77	82.2	5.71	3.9	6.2
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS2	09:31:28	6.8	Bottom	3	1	26.93	8.06	21.26	79	5.4	4.1	7.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS2	09:31:54	6.8	Bottom	3	2	27.06	8.1	21.34	83	5.66	3.8	7.7
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS(Mf)5	07:52:37	1.0	Surface	1	1	27.65	8.2	15.06	71.5	5.26	3.2	4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS(Mf)5	07:53:10	1.0	Surface	1	2	27.05	8.17	16.54	72.9	5.2	3.5	4.3
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS(Mf)5	07:53:00	6.3	Middle	2	1	26.08	8.04	23.96	68.8	5.07	3.6	5.4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS(Mf)5	07:52:23	6.3	Middle	2	2	25.87	8.03	24.32	72	5.13	3.6	5.5
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS(Mf)5	07:52:49	11.5	Bottom	3	1	24.91	8.01	29.54	66.5	4.8	3.7	5.4
HKLR	HY/2011/03	2016-07-13	Mid-Ebb	Rainy	CS(Mf)5	07:52:13	11.5	Bottom	3	2	24.76	8	30.41	66.2	4.79	3.6	6.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS5	12:57:16	1.0	Surface	1	1	27.78	8.25	16.26	73.1	5.31	5.4	4.8
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS5	12:57:37	1.0	Surface	1	2	27.46	8.19	16.98	75.5	5.46	5.5	4.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS5	12:57:06	4.2	Middle	2	1	25.72	8.09	25.95	69.9	5.18	5.5	6.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS5	12:57:30	4.2	Middle	2	2	25.56	8.08	26.71	70	5.12	5.4	6.3
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS5	12:56:58	7.3	Bottom	3	1	25.31	8.07	28.69	66.3	4.86	5.6	6.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS5	12:57:24	7.3	Bottom	3	2	25.61	8.11	28.61	67.3	5	5.3	7.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS(Mf)6	13:06:55	1.0	Surface	1	1	28.12	8.28	14.28	88.7	6.4	4.5	6.2
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS(Mf)6	13:06:34	1.0	Surface	1	2	28.01	8.26	14.46	84.8	6.13	4.5	6.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS(Mf)6	13:06:40	2.4	Bottom	3	1	27.97	8.22	17.2	85.3	6.07	4.4	6.3
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS(Mf)6	13:06:27	2.4	Bottom	3	2	27.98	8.2	18.75	87.4	6.17	4.5	5.9
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS7	13:13:01	1.0	Surface	1	1	28.08	8.27	14.17	84	6.06	4.2	5.3
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS7	13:13:16	1.0	Surface	1	2	28.11	8.28	14.18	88.9	6.42	4.3	5.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS7	13:13:07	2.2	Bottom	3	1	28.04	8.24	16.48	88.2	6.29	4.1	6.5
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS7	13:12:53	2.2	Bottom	3	2	28.04	8.24	16.3	81	5.77	4.2	5.6
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS8	13:37:01	1.0	Surface	1	1	27.78	8.22	16.11	81	5.62	10.3	4.5
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS8	13:37:28	1.0	Surface	1	2	28.15	8.23	16.03	77.2	5.52	10.3	4.1

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS8	13:37:11	3.2	Bottom	3	1	27.49	8.13	22.21	74.7	5.21	10.5	5.8
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS8	13:36:55	3.2	Bottom	3	2	28.04	8.19	21.65	77.6	5.57	10.5	5.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS(Mf)9	13:21:15	1.0	Surface	1	1	27.62	8.21	16.08	76.6	5.4	5.3	3.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS(Mf)9	13:21:32	1.0	Surface	1	2	28.02	8.24	16.04	78.8	5.64	5.6	4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS(Mf)9	13:21:09	2.8	Bottom	3	1	27.65	8.16	20.91	74.9	5.37	5.5	3.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS(Mf)9	13:21:21	2.8	Bottom	3	2	27.86	8.2	18.66	76.2	5.39	5.4	3.9
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS10	13:58:34	1.0	Surface	1	1	27.84	8.42	9.27	91.2	6.24	4.9	4.6
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS10	13:59:16	1.0	Surface	1	2	27.77	8.43	8.95	86.6	5.93	4.9	5.3
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS10	13:59:01	5.2	Middle	2	1	26.36	8.18	18.92	80.8	5.52	6.3	4.8
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS10	13:58:16	5.2	Middle	2	2	26.39	8.18	19.42	79.7	5.44	6.5	4.3
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS10	13:58:54	9.4	Bottom	3	1	26.05	8.11	22.62	75.4	5.16	6.3	6.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	IS10	13:58:07	9.4	Bottom	3	2	26.01	8.1	23.5	76.1	5.2	6.6	5.8
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR3	12:46:06	0.7	Middle	2	1	27.91	8.32	15.3	82.1	5.91	4.3	7.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR3	12:45:58	0.7	Middle	2	2	27.8	8.31	16.49	79.9	5.73	4.4	7.8
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR4	13:31:38	1.0	Surface	1	1	28.08	8.24	15.38	79.6	5.72	10.2	4.9
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR4	13:31:55	1.0	Surface	1	2	28.24	8.25	15.18	81.1	5.81	10.3	5.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR4	13:31:30	2.6	Bottom	3	1	27.7	8.16	20.13	80.6	5.67	10.4	5.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR4	13:31:45	2.6	Bottom	3	2	27.82	8.18	20.78	81.1	5.67	10.8	5.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR5	13:50:59	1.0	Surface	1	1	27.81	8.38	10.08	96.8	6.62	4.4	2.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR5	13:51:22	1.0	Surface	1	2	27.63	8.37	9.8	96.5	6.6	4.4	3.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR5	13:50:34	4.0	Bottom	3	1	27.68	8.36	19.39	92.9	6.35	4.4	2
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR5	13:51:11	4.0	Bottom	3	2	26.79	8.33	19.76	94	6.39	4.7	2.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10A	14:57:09	1.0	Surface	1	1	27	8.22	17.08	72.2	5.23	2.9	3.5
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10A	14:57:33	1.0	Surface	1	2	26.84	8.21	17.19	71	5.12	2.8	4.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10A	14:57:02	3.3	Middle	2	1	26.33	8.14	22.6	71.2	5.11	2.8	4.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10A	14:57:27	3.3	Middle	2	2	26.31	8.14	22.3	69.5	5.05	3	5.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10A	14:57:20	5.6	Bottom	3	1	26.36	8.11	25.82	68.6	4.97	3	3.3
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10A	14:56:54	5.6	Bottom	3	2	26.9	8.15	25.48	70.2	5.07	2.8	3.6
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10B	15:07:04	1.0	Surface	1	1	27.46	8.23	16.67	79.4	5.74	2.6	2.9
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10B	15:07:20	1.0	Surface	1	2	27.02	8.2	16.85	78.5	5.64	2.8	3.9
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10B	15:07:12	4.4	Bottom	3	1	26.81	8.13	23.11	76.8	5.61	2.7	2.9
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	SR10B	15:06:49	4.4	Bottom	3	2	26.94	8.13	23.7	78.5	5.65	2.7	3.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS2	12:35:04	1.0	Surface	1	1	27.94	8.43	10.43	88.6	5.99	4.5	4.4
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS2	12:34:15	1.0	Surface	1	2	27.87	8.43	11.05	87.4	6.03	4.6	5.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS2	12:34:44	3.9	Middle	2	1	26.83	8.21	19.79	87.1	6	4.3	6.2
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS2	12:33:57	3.9	Middle	2	2	26.75	8.21	21.52	83	5.66	4.2	5.8
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS2	12:34:34	6.8	Bottom	3	1	26.61	8.17	21.83	83.4	5.64	4.3	5.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS2	12:33:47	6.8	Bottom	3	2	26.47	8.18	22.28	79	5.36	4.4	6.6
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS(Mf)5	14:18:15	1.0	Surface	1	1	26.82	8.23	18.37	73.5	5.34	3.4	4.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS(Mf)5	14:17:43	1.0	Surface	1	2	27.08	8.23	18.21	77.6	5.63	3.2	4.1
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS(Mf)5	14:18:04	6.4	Middle	2	1	24.7	8.12	28.4	71.8	5.24	3.2	4.7
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS(Mf)5	14:17:34	6.4	Middle	2	2	24.44	8.1	28.66	73	5.38	3.3	4.6
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS(Mf)5	14:17:55	11.7	Bottom	3	1	24.15	8.09	31.76	69.7	5.11	3.3	6.6
HKLR	HY/2011/03	2016-07-13	Mid-Flood	Rainy	CS(Mf)5	14:17:26	11.7	Bottom	3	2	24.18	8.09	31.7	72.7	5.36	3.3	6.3
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	ISS	11:16:42	1.0	Surface	1	1	28.23	8.25	16.85	79.2	5.51	6.5	6.6
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	ISS	11:16:08	1.0	Surface	1	2	28.53	8.27	16.46	77.1	5.42	6.5	5.5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	ISS	11:16:27	4.0	Middle	2	1	25.59	8.08	27.03	71.8	5.03	6.6	6.6
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	ISS	11:15:55	4.0	Middle	2	2	25.72	8.09	26.79	71.9	5.08	6.5	6.3
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	ISS	11:15:43	7.0	Bottom	3	1	25.42	8.07	28.21	71.5	5.02	6.7	6.9
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	ISS	11:16:18	7.0	Bottom	3	2	25.5	8.09	28.27	70.2	4.98	6.8	8.1
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS(Mf)6	11:06:50	1.0	Surface	1	1	28.09	8.26	16.42	77.3	5.51	4.7	4.8
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS(Mf)6	11:07:08	1.0	Surface	1	2	28.56	8.28	15.49	77.2	5.49	4.8	5.3

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	2016-07-15	Mid-Ebb	Sunny	IS(Mf)6	11:06:41	2.1	Bottom	3	1	27.74	8.2	21.45	78.8	5.5	4.8	4.9
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS(Mf)6	11:06:57	2.1	Bottom	3	2	27.43	8.18	21.38	75.9	5.32	4.8	6.2
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS7	11:00:50	1.0	Surface	1	1	28.06	8.27	15.82	82.3	5.89	4.5	4
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS7	11:01:11	1.0	Surface	1	2	28.05	8.27	15.82	81.1	5.81	4.4	4
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS7	11:00:42	2.1	Bottom	3	1	27.95	8.24	19.73	79.9	5.61	4.6	7
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS7	11:01:02	2.1	Bottom	3	2	27.53	8.19	19.93	81.6	5.76	4.3	6.9
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS8	10:35:11	1.0	Surface	1	1	27.83	8.27	15.85	88.2	6.33	6.2	5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS8	10:35:34	1.0	Surface	1	2	28.04	8.29	16.28	88.6	6.19	6.4	6.1
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS8	10:35:04	2.9	Bottom	3	1	27.98	8.24	20.51	88	6.2	6.4	5.9
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS8	10:35:20	2.9	Bottom	3	2	27.39	8.19	21.13	84.6	6.08	6.5	5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS(Mf)9	10:51:47	1.0	Surface	1	1	28.04	8.26	16.43	81	5.78	4.2	3.6
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS(Mf)9	10:51:30	1.0	Surface	1	2	27.83	8.26	16.07	78.1	5.61	4.2	3.5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS(Mf)9	10:51:23	2.5	Bottom	3	1	27.66	8.2	20.39	79.2	5.57	4.5	4.7
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS(Mf)9	10:51:38	2.5	Bottom	3	2	27.79	8.23	18.97	80.6	5.7	4.4	5.6
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS10	10:15:13	1.0	Surface	1	1	28.06	8.24	12.29	78.2	5.78	5	3.1
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS10	10:14:46	1.0	Surface	1	2	28.51	8.32	11.81	77.8	5.74	4.7	4.1
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS10	10:14:35	5.3	Middle	2	1	25.74	8	25.26	77.3	5.68	5.3	3.7
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS10	10:15:04	5.3	Middle	2	2	25.66	8.01	25.5	77.3	5.68	5.7	5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS10	10:14:58	9.6	Bottom	3	1	25.74	8.02	25.55	77.4	5.69	6.5	4
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	IS10	10:14:22	9.6	Bottom	3	2	25.77	8.02	25.4	77.5	5.7	6.1	5.8
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR3	11:26:21	0.6	Middle	2	1	28.63	8.3	14.1	85.5	6.12	4.9	5.5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR3	11:26:29	0.6	Middle	2	2	28.63	8.29	14.18	88	6.3	4.8	6.4
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR4	10:41:54	1.0	Surface	1	1	28.02	8.27	16.04	84.1	6.02	6.5	3.3
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR4	10:42:22	1.0	Surface	1	2	27.97	8.28	16.38	89	6.27	6.2	4.5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR4	10:41:45	2.8	Bottom	3	1	27.79	8.21	19.41	85.3	6.01	6.3	3.5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR4	10:42:14	2.8	Bottom	3	2	27.73	8.22	19.87	86.5	6.18	6.2	5.2
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR5	10:24:17	1.0	Surface	1	1	28.28	8.31	9.84	78.3	5.78	4.2	3
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR5	10:23:55	1.0	Surface	1	2	28.11	8.3	10.71	78.3	5.78	4.4	3.6
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR5	10:24:09	4.1	Bottom	3	1	26.73	8.1	20.51	78	5.73	4.1	3
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR5	10:23:45	4.1	Bottom	3	2	26.49	8.08	20.87	78.1	5.74	4.2	3.7
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10A	09:16:34	1.0	Surface	1	1	28.03	8.14	13.35	78.4	5.69	3.6	5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10A	09:16:06	1.0	Surface	1	2	28.09	8.14	13.39	79.8	5.79	3.6	4.3
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10A	09:16:28	3.2	Middle	2	1	27.83	8.12	14.6	77	5.57	3.6	3.8
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10A	09:15:57	3.2	Middle	2	2	27.83	8.11	14.64	78.4	5.67	3.5	4.4
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10A	09:15:45	5.3	Bottom	3	1	27.89	8.05	23.27	79	5.45	3.5	4.8
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10A	09:16:17	5.3	Bottom	3	2	26.33	7.98	24.48	78.7	5.53	3.4	4.6
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10B	09:04:09	1.0	Surface	1	1	28.14	8.1	12.85	82.1	5.97	3.8	2.9
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10B	09:03:53	1.0	Surface	1	2	28.1	8.1	13.07	82.4	5.99	3.8	2.8
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10B	09:04:02	3.8	Bottom	3	1	28.01	8.06	14.9	82	5.9	3.7	5.2
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	SR10B	09:03:45	3.8	Bottom	3	2	28	8.06	15.18	82.3	5.92	3.7	4.1
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS2	11:39:22	1.0	Surface	1	1	29.02	8.45	8.03	79.9	5.92	6	3.1
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS2	11:38:49	1.0	Surface	1	2	28.71	8.39	9.08	79.5	5.89	5.7	4.8
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS2	11:38:32	4.4	Middle	2	1	25.66	7.97	25.77	78.6	5.78	5	4.2
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS2	11:39:06	4.4	Middle	2	2	25.48	7.96	26.56	78.9	5.8	5.3	3
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS2	11:38:24	7.7	Bottom	3	1	25.41	7.93	27	78.6	5.77	5.9	3.9
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS2	11:38:58	7.7	Bottom	3	2	25.56	7.92	26.83	79.2	5.82	5.9	5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS(Mf)5	09:57:18	1.0	Surface	1	1	27.93	8.21	14.12	75	5.43	3.8	3.4
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS(Mf)5	09:58:00	1.0	Surface	1	2	27.87	8.21	14.39	74.3	5.38	3.8	4.8
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS(Mf)5	09:56:57	6.2	Middle	2	1	26.05	8.03	24.35	72	5.02	3.9	5
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS(Mf)5	09:57:38	6.2	Middle	2	2	25.91	8.03	24.42	73.1	5.11	3.9	4.9
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS(Mf)5	09:56:47	11.4	Bottom	3	1	24.95	7.97	29.93	67.2	4.78	3.9	4.8
HKLR	HY/2011/03	2016-07-15	Mid-Ebb	Sunny	CS(Mf)5	09:57:30	11.4	Bottom	3	2	24.62	7.98	31.24	71	4.94	3.9	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	2016-07-15	Mid-Flood	Sunny	IS5	15:53:17	1.0	Surface	1	1	28.71	8.45	17.19	91.6	6.46	5	6
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS5	15:52:37	1.0	Surface	1	2	28.71	8.47	17.04	86.2	6	5.2	6.5
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS5	15:52:22	4.3	Middle	2	1	26.36	8.33	24.52	83.6	5.88	6.6	5.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS5	15:53:01	4.3	Middle	2	2	26.49	8.3	24.24	80.7	5.67	6.4	6.5
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS5	15:52:12	7.6	Bottom	3	1	25.94	8.35	27.21	67.9	4.79	6.5	5.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS5	15:52:49	7.6	Bottom	3	2	25.91	8.3	27.36	69.1	4.86	6.4	7.5
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS(Mf)6	16:00:55	1.0	Surface	1	1	29.05	8.54	17.03	127.4	8.91	4.6	4.7
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS(Mf)6	16:00:42	1.0	Surface	1	2	29.02	8.54	16.93	128.2	8.95	4.4	4.4
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS(Mf)6	16:00:33	2.1	Bottom	3	1	28.74	8.52	18.32	126.4	8.85	4.4	5.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS(Mf)6	16:00:48	2.1	Bottom	3	2	28.91	8.53	17.23	126.7	8.88	4.5	5.2
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS7	16:09:02	1.0	Surface	1	1	28.88	8.53	17.03	119.7	8.4	6.6	6.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS7	16:09:26	1.0	Surface	1	2	28.84	8.52	17.07	117.8	8.26	6.4	5.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS7	16:08:56	2.2	Bottom	3	1	28.79	8.51	18.37	120.3	8.39	6.4	5.5
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS7	16:09:18	2.2	Bottom	3	2	28.51	8.5	18.91	120	8.38	6.4	5
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS8	16:34:09	1.0	Surface	1	1	29.55	8.54	16.69	121.2	8.53	12.4	13.2
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS8	16:33:52	1.0	Surface	1	2	29.34	8.54	16.76	119.8	8.33	12.2	13.4
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS8	16:33:43	3.2	Bottom	3	1	29.04	8.53	18.23	119	8.29	12.5	13
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS8	16:34:01	3.2	Bottom	3	2	28.35	8.53	18.09	118.5	8.24	12.2	13.6
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS(Mf)9	16:16:08	1.0	Surface	1	1	29.07	8.49	16.45	106.7	7.48	8.4	8.8
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS(Mf)9	16:15:51	1.0	Surface	1	2	28.78	8.5	16.76	108	7.6	8.5	9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS(Mf)9	16:15:58	2.7	Bottom	3	1	28.41	8.46	19.33	106.4	7.43	8.5	8.6
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS(Mf)9	16:15:43	2.7	Bottom	3	2	28.65	8.49	17.71	108.6	7.62	8.7	7.7
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS10	16:49:38	1.0	Surface	1	1	29.38	8.37	8.51	83.5	6.23	6.6	4.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS10	16:50:42	1.0	Surface	1	2	29.52	8.35	8.32	82.5	6.15	6.5	4.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS10	16:49:15	5.3	Middle	2	1	25.2	7.93	26.55	79.9	5.91	7.5	3.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS10	16:50:08	5.3	Middle	2	2	25.66	7.96	26.18	79.9	5.89	7.4	4.2
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS10	16:49:06	9.6	Bottom	3	1	24.8	7.88	27.09	80.6	5.94	7.3	4.5
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	IS10	16:49:51	9.6	Bottom	3	2	24.82	7.88	27.62	82.3	6.07	7.9	3.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR3	15:41:28	0.7	Middle	2	1	28.65	8.57	15.98	118.8	8.41	4.3	7.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR3	15:41:34	0.7	Middle	2	2	28.68	8.58	16.02	121.7	8.61	4.2	9.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR4	16:26:25	1.0	Surface	1	1	29.58	8.54	16.7	115.4	8.1	13.1	15.5
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR4	16:26:44	1.0	Surface	1	2	29.11	8.53	16.86	115.5	8.04	13.4	16.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR4	16:26:35	2.8	Bottom	3	1	28.61	8.51	19.34	113	7.91	13.3	15.8
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR4	16:26:16	2.8	Bottom	3	2	28.24	8.53	18.27	115	8.02	13.1	17.2
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR5	16:41:41	1.0	Surface	1	1	29.44	8.33	8.41	84.8	6.32	5.8	5.4
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR5	16:41:18	1.0	Surface	1	2	29.49	8.37	8.39	84.8	6.33	6.1	5.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR5	16:41:30	4.0	Bottom	3	1	27.32	8.06	20.19	83.9	6.23	5.1	4
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR5	16:40:59	4.0	Bottom	3	2	26.99	8.04	21.41	84	6.24	4.8	3.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10A	17:58:41	1.0	Surface	1	1	29.37	8.42	14.23	94.8	6.7	3.5	4.8
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10A	17:59:36	1.0	Surface	1	2	29.39	8.41	14.23	95	6.71	3.5	4.2
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10A	17:58:18	3.3	Middle	2	1	25.93	8.23	23.42	77.2	5.41	3.4	4.7
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10A	17:59:13	3.3	Middle	2	2	26.84	8.25	22.66	75.5	5.27	3.6	5.2
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10A	17:59:04	5.5	Bottom	3	1	25.92	8.2	26.82	70.3	4.95	3.6	4.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10A	17:58:13	5.5	Bottom	3	2	25.67	8.2	27.11	71.8	5.11	3.6	5.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10B	18:06:45	1.0	Surface	1	1	29.12	8.37	14.25	87.4	6.05	3.3	4.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10B	18:06:58	1.0	Surface	1	2	28.83	8.34	14.37	85.8	5.99	3.3	4.4
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10B	18:06:52	4.4	Bottom	3	1	26.2	8.25	26.06	80.6	5.74	3.4	4.7
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	SR10B	18:06:37	4.4	Bottom	3	2	26.75	8.28	25.99	83.4	5.92	3.3	4.3
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS2	15:25:26	1.0	Surface	1	1	29.52	8.4	8.43	81	6.02	4.5	4.2
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS2	15:24:42	1.0	Surface	1	2	29.45	8.41	8.6	82.2	6.1	4.6	6.4
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS2	15:24:25	4.4	Middle	2	1	26.88	8.09	20.01	82.5	6.1	3.8	6
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS2	15:25:07	4.4	Middle	2	2	26.3	8.04	21.71	80.6	5.96	4	5.3

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	2016-07-15	Mid-Flood	Sunny	CS2	15:24:15	7.7	Bottom	3	1	26.16	8.06	22.7	83	6.13	3.6	4.6
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS2	15:25:02	7.7	Bottom	3	2	26.33	8.03	23.13	81.4	6.01	3.9	4.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS(Mf)5	17:19:37	1.0	Surface	1	1	29.36	8.45	14.19	95.2	6.73	3.7	5.8
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS(Mf)5	17:21:01	1.0	Surface	1	2	29.44	8.47	14.15	94.2	6.65	3.6	4.7
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS(Mf)5	17:19:08	6.3	Middle	2	1	24.31	8.21	29.17	77.6	5.38	3.8	6.2
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS(Mf)5	17:20:35	6.3	Middle	2	2	24.45	8.22	28.29	76.5	5.22	3.9	5.9
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS(Mf)5	17:19:02	11.6	Bottom	3	1	24.12	8.19	33.39	67.4	4.77	4.1	5.4
HKLR	HY/2011/03	2016-07-15	Mid-Flood	Sunny	CS(Mf)5	17:20:06	11.6	Bottom	3	2	24.18	8.18	33.17	67.9	4.79	3.9	6.4
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS5	13:17:00	1.0	Surface	1	1	29.84	8.48	17.68	100.9	6.92	7.7	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS5	13:17:37	1.0	Surface	1	2	29.87	8.46	17.66	101.2	6.96	7.6	7.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS5	13:17:26	4.0	Middle	2	1	26.16	8.29	27.99	85.5	5.89	7.7	8.5
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS5	13:16:49	4.0	Middle	2	2	25.85	8.3	28.35	82.9	5.7	7.6	9.1
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS5	13:16:38	7.0	Bottom	3	1	25.56	8.36	31.07	77.7	5.34	7.5	8.8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS5	13:17:12	7.0	Bottom	3	2	25.32	8.31	31.26	74.5	5.15	7.7	8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS(Mf)6	13:07:47	1.0	Surface	1	1	28.51	8.45	19.79	92.8	6.45	6.6	8.8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS(Mf)6	13:08:00	1.0	Surface	1	2	29.21	8.48	18.56	101	6.98	6.4	9.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS(Mf)6	13:07:52	2.1	Bottom	3	1	28.74	8.44	20.55	96	6.62	6.5	8.7
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS(Mf)6	13:07:41	2.1	Bottom	3	2	28.44	8.43	21.23	91.3	6.3	6.6	8.8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS7	13:04:00	1.0	Surface	1	1	29.15	8.41	19.39	116.4	8.02	4.9	6.6
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS7	13:03:40	1.0	Surface	1	2	29.26	8.42	19.11	118.8	8.18	5	6.5
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS7	13:03:28	2.1	Bottom	3	1	28.99	8.39	20.01	115.5	7.95	5.1	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS7	13:03:48	2.1	Bottom	3	2	28.7	8.39	20.33	115.6	7.99	5.1	7.9
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS8	12:37:14	1.0	Surface	1	1	29.74	8.43	17.98	101.2	7.05	6.3	7.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS8	12:37:32	1.0	Surface	1	2	29.77	8.47	18.13	106.5	7.32	6.6	8.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS8	12:37:21	3.0	Bottom	3	1	27.37	8.39	22.13	101.7	7.11	6.3	8.1
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS8	12:37:06	3.0	Bottom	3	2	27.33	8.35	23.08	94.3	6.49	6.2	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS(Mf)9	12:56:38	1.0	Surface	1	1	29.1	8.4	18.98	104.7	7.24	4.8	5.9
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS(Mf)9	12:56:22	1.0	Surface	1	2	29.02	8.39	19.24	111.1	7.65	4.9	6.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS(Mf)9	12:56:16	2.6	Bottom	3	1	27.56	8.37	24.38	102.6	7.09	4.9	6.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS(Mf)9	12:56:28	2.6	Bottom	3	2	28.61	8.36	21.57	101.5	6.97	4.9	6.1
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS10	12:23:53	1.0	Surface	1	1	28.4	8.41	23.48	99.9	7.06	3.3	7
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS10	12:24:30	1.0	Surface	1	2	29.43	8.5	19.98	98.6	6.97	3.4	7.5
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS10	12:24:20	5.5	Middle	2	1	29.16	8.48	20.14	95.7	6.81	3.7	7.9
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS10	12:23:39	5.5	Middle	2	2	29.33	8.48	20.13	97.4	6.89	3.5	7.6
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS10	12:23:29	10.0	Bottom	3	1	28.99	8.47	20.28	91.8	6.52	3.8	8.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	IS10	12:24:05	10.0	Bottom	3	2	28.52	8.43	21.79	91.7	6.5	3.9	7
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR3	13:26:18	0.7	Middle	2	1	30.04	8.5	17.91	135.4	8.95	5.1	6.6
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR3	13:26:11	0.7	Middle	2	2	30.04	8.49	17.89	132.2	8.74	4.8	8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR4	12:43:41	1.0	Surface	1	1	30.07	8.39	17.81	120.7	8.3	6.3	8.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR4	12:43:55	1.0	Surface	1	2	30.15	8.42	17.78	119.7	8.19	6.4	7.1
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR4	12:43:35	2.8	Bottom	3	1	28.52	8.36	21.72	114.2	7.82	6.2	7.7
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR4	12:43:47	2.8	Bottom	3	2	28.72	8.39	21.13	115.7	7.95	6.2	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR5	12:34:11	1.0	Surface	1	1	29.31	8.52	19.96	103.1	7.21	4.1	7.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR5	12:33:52	1.0	Surface	1	2	29.19	8.51	20.05	104.5	7.41	4.3	7.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR5	12:34:02	4.2	Bottom	3	1	29.4	8.5	21.88	100.4	7.12	4.7	6
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR5	12:33:43	4.2	Bottom	3	2	29.03	8.48	22.09	102.2	7.19	4.7	6.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10A	11:15:15	1.0	Surface	1	1	28.38	8.37	19.36	90.9	6.3	5.5	3.6
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10A	11:15:38	1.0	Surface	1	2	28.37	8.37	19.27	90.4	6.31	5.4	3.8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10A	11:15:07	3.2	Middle	2	1	28.04	8.34	20.69	90.2	6.22	5.6	5
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10A	11:15:30	3.2	Middle	2	2	28.04	8.34	20.73	90.3	6.23	5.5	5.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10A	11:15:23	5.4	Bottom	3	1	28.15	8.33	22.33	89.4	6.2	5.5	4.1
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10A	11:14:59	5.4	Bottom	3	2	28.14	8.33	22.48	89.2	6.2	5.6	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	2016-07-18	Mid-Ebb	Sunny	SR10B	11:03:27	1.0	Surface	1	1	28.95	8.39	19.48	94	6.5	5.1	6.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10B	11:03:01	1.0	Surface	1	2	28.6	8.39	19.71	90.9	6.31	5.2	5.9
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10B	11:02:49	4.3	Bottom	3	1	28.02	8.35	21.8	89.5	6.2	5.3	7.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	SR10B	11:03:09	4.3	Bottom	3	2	28.27	8.35	22.46	91.1	6.27	5.3	6.4
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS2	13:45:05	1.0	Surface	1	1	29.02	8.51	19.87	96.7	6.81	4.7	7.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS2	13:44:37	1.0	Surface	1	2	29.36	8.53	19.53	97.5	6.91	4.6	6.6
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS2	13:44:56	4.2	Middle	2	1	28.25	8.43	22.3	89.9	6.45	4.9	7.1
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS2	13:44:29	4.2	Middle	2	2	28.79	8.45	20.99	91.3	6.48	4.8	8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS2	13:44:20	7.3	Bottom	3	1	26.93	8.33	25.23	86.8	6.18	5	8.5
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS2	13:44:49	7.3	Bottom	3	2	26.73	8.41	25.86	85.8	6.1	5.1	8.7
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS(Mf)5	11:56:00	1.0	Surface	1	1	28.62	8.38	18.45	86.9	6.08	5.7	5.8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS(Mf)5	11:55:14	1.0	Surface	1	2	28.51	8.37	18.92	84.6	5.91	5.5	6.3
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS(Mf)5	11:55:45	6.2	Middle	2	1	27.85	8.34	21.28	78.3	5.46	6.2	5.8
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS(Mf)5	11:54:56	6.2	Middle	2	2	27.89	8.34	21.28	77.8	5.25	6.2	7.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS(Mf)5	11:54:43	11.4	Bottom	3	1	24.75	8.19	33.16	70.6	4.86	6.4	6.2
HKLR	HY/2011/03	2016-07-18	Mid-Ebb	Sunny	CS(Mf)5	11:55:27	11.4	Bottom	3	2	25.45	8.24	31.38	71.1	4.95	6.2	6.7
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS5	17:57:16	1.0	Surface	1	1	29.3	8.37	17.87	106.5	7.39	11.4	8.9
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS5	17:56:47	1.0	Surface	1	2	29.33	8.37	17.57	108.5	7.45	11.4	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS5	17:57:04	4.3	Middle	2	1	26.64	8.27	23.2	92.9	6.55	11.5	8.9
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS5	17:56:40	4.3	Middle	2	2	26.48	8.31	23.38	94.6	6.55	11.5	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS5	17:56:34	7.6	Bottom	3	1	26.74	8.37	25.03	89.9	6.36	11.2	8
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS5	17:56:57	7.6	Bottom	3	2	26.45	8.3	25.17	89.1	6.18	11.2	9.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS(Mf)6	18:08:36	1.0	Surface	1	1	29.42	8.44	18.17	136.5	9.14	6.2	8.1
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS(Mf)6	18:08:20	1.0	Surface	1	2	29.43	8.45	18.1	138.5	9.26	6.1	8.1
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS(Mf)6	18:08:27	2.2	Bottom	3	1	29.2	8.43	18.5	134.6	8.99	6.2	7.8
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS(Mf)6	18:08:14	2.2	Bottom	3	2	29.43	8.44	18.25	140.1	9.36	6.3	7.1
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS7	18:15:15	1.0	Surface	1	1	29.78	8.46	17.91	138	9.18	9.6	9.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS7	18:15:25	1.0	Surface	1	2	29.87	8.47	17.86	143.1	9.52	9.5	9.5
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS7	18:15:20	2.2	Bottom	3	1	29.92	8.46	18.69	141.4	9.34	9.7	11.1
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS7	18:15:08	2.2	Bottom	3	2	29.9	8.44	18.94	135.7	8.94	9.2	11.9
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS8	18:38:44	1.0	Surface	1	1	29.44	8.46	18.13	148.8	10.22	13.5	16
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS8	18:38:56	1.0	Surface	1	2	29.44	8.46	18	147.7	10.21	13.1	15.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS8	18:38:37	3.2	Bottom	3	1	29.43	8.45	18.27	137.7	9.52	13.4	16.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS8	18:38:50	3.2	Bottom	3	2	29.51	8.46	19.02	140.2	9.66	13.2	17.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS(Mf)9	18:22:54	1.0	Surface	1	1	29.53	8.49	18.21	140.7	9.29	10.6	10.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS(Mf)9	18:22:42	1.0	Surface	1	2	29.64	8.5	18.15	142.2	9.39	10.5	10.5
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS(Mf)9	18:22:35	2.4	Bottom	3	1	29.84	8.49	19.09	140.7	9.37	10.6	10.8
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS(Mf)9	18:22:47	2.4	Bottom	3	2	29.57	8.48	19.8	137.9	9.19	10.4	10.7
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS10	19:38:24	1.0	Surface	1	1	29.57	8.53	19.8	100.2	7.11	7.4	11.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS10	19:37:54	1.0	Surface	1	2	29.48	8.53	19.14	100.2	7.1	7.3	10.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS10	19:38:14	5.6	Middle	2	1	29.12	8.51	20.52	100.1	7.06	7.5	10.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS10	19:37:47	5.6	Middle	2	2	29.15	8.51	20.5	99.6	7.06	7.6	10.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS10	19:37:34	10.1	Bottom	3	1	28.4	8.44	23.63	96.4	6.83	7.8	11
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	IS10	19:38:05	10.1	Bottom	3	2	29.05	8.47	22.66	97.2	6.81	7.9	10.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR3	17:46:55	0.8	Middle	2	1	29.85	8.49	16.41	133.8	8.65	5.2	11.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR3	17:47:02	0.8	Middle	2	2	29.87	8.5	16.47	138.4	8.96	5.3	10.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR4	18:33:53	1.0	Surface	1	1	29.28	8.45	18.36	137.7	9.53	15.3	9.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR4	18:33:40	1.0	Surface	1	2	29.24	8.45	18.38	135.6	9.39	15.2	9.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR4	18:33:45	2.6	Bottom	3	1	29.24	8.45	18.52	136.9	9.47	15.1	11.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR4	18:33:33	2.6	Bottom	3	2	29.24	8.46	18.49	135.7	9.39	15.4	10.8
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR5	19:26:23	1.0	Surface	1	1	29.3	8.55	19.84	100.2	7.1	8.5	7.7
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR5	19:26:47	1.0	Surface	1	2	29.5	8.54	19.68	101	7.14	8.4	8

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR5	19:26:11	4.3	Bottom	3	1	29.09	8.51	21.85	99.7	7.01	8.9	9.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR5	19:26:35	4.3	Bottom	3	2	29.34	8.53	20.44	100.2	7.08	8.7	9.5
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10A	19:57:30	1.0	Surface	1	1	29.55	8.45	16.48	104.4	7.26	4.4	7.7
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10A	19:56:58	1.0	Surface	1	2	29.49	8.44	16.51	113.4	7.85	4.3	8
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10A	19:56:50	3.2	Middle	2	1	27.98	8.34	23.34	103.2	7.18	4.2	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10A	19:57:18	3.2	Middle	2	2	27.82	8.33	22.74	97.6	6.78	4.3	7.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10A	19:56:42	5.4	Bottom	3	1	26.66	8.36	26.06	100.2	6.89	4.2	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10A	19:57:10	5.4	Bottom	3	2	25.98	8.28	27.6	88.3	6.11	4.4	7.9
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10B	20:07:10	1.0	Surface	1	1	29.55	8.45	16.45	108.2	7.5	4.5	8.7
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10B	20:06:53	1.0	Surface	1	2	29.48	8.42	16.41	101.7	7.07	4.4	8.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10B	20:07:00	4.1	Bottom	3	1	27.05	8.35	24.7	102.8	7.11	4.3	8.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	SR10B	20:06:45	4.1	Bottom	3	2	26.63	8.33	25.5	100	6.97	4.2	8.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS2	18:12:34	1.0	Surface	1	1	30.15	8.65	16.75	111.1	7.85	4.3	7.6
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS2	18:13:12	1.0	Surface	1	2	29.85	8.63	18	111.9	7.95	4.4	7.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS2	18:12:16	4.2	Middle	2	1	29.94	8.58	18.09	106.4	7.55	4.6	7.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS2	18:13:01	4.2	Middle	2	2	29.35	8.55	20.38	106.8	7.61	4.5	7.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS2	18:12:43	7.3	Bottom	3	1	28.46	8.54	23.02	99.8	7.05	4.7	7.3
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS2	18:12:01	7.3	Bottom	3	2	28.52	8.45	22.26	99.3	7.03	4.8	7.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS(Mf)5	19:23:59	1.0	Surface	1	1	29.54	8.44	16.15	109.7	7.62	5.5	7.4
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS(Mf)5	19:23:22	1.0	Surface	1	2	29.54	8.47	16.25	109.2	7.59	5.4	7.3
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS(Mf)5	19:23:48	6.4	Middle	2	1	25.85	8.26	28.34	83	5.78	6.6	8.1
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS(Mf)5	19:23:10	6.4	Middle	2	2	25.43	8.28	28.73	88.3	6.11	6.3	7.2
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS(Mf)5	19:23:01	11.7	Bottom	3	1	24.44	8.29	32.95	73	5.09	6.3	8
HKLR	HY/2011/03	2016-07-18	Mid-Flood	Sunny	CS(Mf)5	19:23:34	11.7	Bottom	3	2	24.41	8.28	32.98	69.4	4.81	6.8	7.8
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS5	12:12:38	1.0	Surface	1	1	27.89	8.48	19.82	84.3	5.88	13.2	13.3
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS5	12:13:01	1.0	Surface	1	2	27.94	8.46	19.88	83.8	5.85	13.2	13.4
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS5	12:12:31	4.3	Middle	2	1	27.49	8.48	20.74	82.7	5.81	13.2	12.4
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS5	12:12:52	4.3	Middle	2	2	27.58	8.45	20.8	83.4	5.83	13.6	12.8
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS5	12:12:46	7.5	Bottom	3	1	27.83	8.46	21.59	82.4	5.78	13.9	15
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS5	12:12:25	7.5	Bottom	3	2	27.66	8.48	21.79	81.9	5.76	13.5	14.8
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS(Mf)6	12:19:02	1.0	Surface	1	1	27.92	8.39	20.75	84.9	5.93	12.5	13
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS(Mf)6	12:19:15	1.0	Surface	1	2	27.94	8.39	20.75	85.7	5.98	12.5	13.2
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS(Mf)6	12:18:55	2.1	Bottom	3	1	27.72	8.39	21.21	85	5.94	12.6	13.3
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS(Mf)6	12:19:08	2.1	Bottom	3	2	27.89	8.39	20.92	85.4	5.96	12.9	15.2
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS7	12:28:29	1.0	Surface	1	1	27.95	8.45	20.87	86.8	6.05	13.2	14.6
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS7	12:28:17	1.0	Surface	1	2	27.97	8.46	20.84	86.6	6.04	12.5	14.9
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS7	12:28:21	2.3	Bottom	3	1	27.9	8.45	21.04	86.7	6.05	12.9	15.5
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS7	12:28:07	2.3	Bottom	3	2	27.86	8.46	21.03	85.9	6	12.7	15.9
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS8	12:53:50	1.0	Surface	1	1	27.69	8.38	21.14	107.3	7.51	8.6	9.3
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS8	12:53:27	1.0	Surface	1	2	28.26	8.4	20.53	109.3	7.53	8.1	8.8
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS8	12:53:21	3.0	Bottom	3	1	28.37	8.39	21.76	107.8	7.5	8.3	9.3
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS8	12:53:46	3.0	Bottom	3	2	27.14	8.35	22.7	103.5	7.24	8.5	9.5
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS(Mf)9	12:37:12	1.0	Surface	1	1	28.21	8.48	21.11	91.6	6.35	11.3	8.5
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS(Mf)9	12:37:28	1.0	Surface	1	2	28.42	8.49	20.83	97.4	6.74	11.5	8.7
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS(Mf)9	12:37:04	2.6	Bottom	3	1	28.05	8.47	21.71	91.3	6.33	11.5	8.3
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS(Mf)9	12:37:17	2.6	Bottom	3	2	28.18	8.47	21.51	92.8	6.43	11.2	9.4
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS10	13:08:40	1.0	Surface	1	1	28.61	8.61	17.8	96.2	6.8	4	5.7
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS10	13:09:26	1.0	Surface	1	2	28.87	8.6	17.58	97.5	6.91	3.9	6.1
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS10	13:08:33	5.4	Middle	2	1	28.09	8.58	16.33	93.5	6.71	4.2	6.2
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS10	13:09:11	5.4	Middle	2	2	28.11	8.58	16.31	93.4	6.74	4.1	7
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS10	13:09:02	9.8	Bottom	3	1	27.77	8.53	18.76	92.5	6.57	4.3	8.3
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	IS10	13:08:27	9.8	Bottom	3	2	28.09	8.56	17.99	92.9	6.56	4.3	7.5

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	2016-07-20	Mid-Ebb	Sunny	SR3	12:00:59	0.6	Middle	2	1	28.2	8.48	18.9	97.1	6.82	8.8	15.5
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR3	12:01:04	0.6	Middle	2	2	28.2	8.47	18.95	97.4	6.84	9	17
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR4	12:46:59	1.0	Surface	1	1	28.97	8.47	20.13	104.4	7.15	6.6	8.7
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR4	12:47:24	1.0	Surface	1	2	28.66	8.45	20.34	100.7	6.88	6.5	8.2
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR4	12:46:47	2.7	Bottom	3	1	28.68	8.44	21.59	94	6.5	6.5	9.7
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR4	12:47:13	2.7	Bottom	3	2	28.18	8.41	21.84	92.9	6.43	6.4	9.1
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR5	12:54:13	1.0	Surface	1	1	28.57	8.62	18.64	103.6	7.32	4.2	6.4
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR5	12:54:33	1.0	Surface	1	2	28.65	8.62	17.58	104.2	7.34	4.3	5.2
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR5	12:54:02	4.2	Bottom	3	1	28.2	8.58	18.15	98.4	6.97	4.5	8.1
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR5	12:54:24	4.2	Bottom	3	2	28.62	8.6	17.52	98.1	6.86	4.6	8.8
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10A	13:57:22	1.0	Surface	1	1	28.21	8.46	20.31	96.4	6.72	6.4	11
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10A	13:56:35	1.0	Surface	1	2	28.18	8.46	20	92	6.42	6.6	10.5
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10A	13:56:25	3.3	Middle	2	1	27.31	8.43	22.21	89.8	6.2	6.6	10.5
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10A	13:57:04	3.3	Middle	2	2	27.53	8.43	22.28	91.9	6.4	6.5	10.6
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10A	13:56:54	5.6	Bottom	3	1	27.11	8.41	23.73	89.5	6.24	6.4	10
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10A	13:56:19	5.6	Bottom	3	2	27.58	8.42	23.92	88.2	6.18	6.5	10.1
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10B	14:07:06	1.0	Surface	1	1	27.93	8.46	20.52	94.5	6.6	6.6	11
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10B	14:06:42	1.0	Surface	1	2	27.75	8.45	21.21	94.8	6.57	6.3	10.6
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10B	14:06:33	4.2	Bottom	3	1	27.62	8.43	22.82	93.8	6.55	6.3	11.3
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	SR10B	14:06:56	4.2	Bottom	3	2	27.32	8.42	23.04	94.4	6.58	6.5	11
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS2	11:36:38	1.0	Surface	1	1	28.93	8.62	19.45	102	7.21	4.1	4.9
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS2	11:37:06	1.0	Surface	1	2	28.86	8.62	19.5	102.9	7.26	4.2	5.9
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS2	11:36:55	4.0	Middle	2	1	28.38	8.6	17.79	98.2	7.04	4.3	5.8
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS2	11:36:26	4.0	Middle	2	2	28.57	8.61	18.82	97.4	6.92	4.3	5.6
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS2	11:36:15	7.0	Bottom	3	1	28.23	8.57	18.84	96.7	6.87	4.4	4.9
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS2	11:36:48	7.0	Bottom	3	2	28.31	8.58	17.68	97.5	6.95	4.3	5.5
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS(Mf)5	13:28:09	1.0	Surface	1	1	28.26	8.48	20.01	84.2	5.87	8.8	9
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS(Mf)5	13:29:00	1.0	Surface	1	2	28.45	8.47	20.1	83.6	5.81	8.4	9
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS(Mf)5	13:27:57	6.1	Middle	2	1	26.87	8.41	23.92	76.6	5.35	9.2	8.6
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS(Mf)5	13:28:46	6.1	Middle	2	2	26.89	8.41	24.22	74.2	5.13	9.3	8.4
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS(Mf)5	13:27:48	11.1	Bottom	3	1	25.38	8.38	30.24	73.2	5.12	9.2	8
HKLR	HY/2011/03	2016-07-20	Mid-Ebb	Sunny	CS(Mf)5	13:28:29	11.1	Bottom	3	2	25.25	8.35	30.39	72.7	5.07	9.2	9.8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS5	07:17:51	1.0	Surface	1	1	27.93	8.41	21.75	85.7	5.85	11.5	11.4
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS5	07:17:28	1.0	Surface	1	2	28.04	8.42	21.69	83.5	5.79	11.6	11.3
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS5	07:17:15	4.5	Middle	2	1	27.25	8.38	23.21	83.1	5.69	11.5	10.2
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS5	07:17:44	4.5	Middle	2	2	27.5	8.39	23.02	82.3	5.72	11.4	11.1
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS5	07:17:10	7.9	Bottom	3	1	27.58	8.38	25.23	79.3	5.53	11.4	11.8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS5	07:17:35	7.9	Bottom	3	2	27.89	8.4	24.78	80.9	5.62	11.4	11.2
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS(Mf)6	07:07:45	1.0	Surface	1	1	28.07	8.44	21.7	94.5	6.55	7.8	9
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS(Mf)6	07:07:34	1.0	Surface	1	2	28.05	8.44	21.75	94.1	6.52	7.8	8.7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS(Mf)6	07:07:39	2.3	Bottom	3	1	28.06	8.44	21.75	94.2	6.53	7.9	9.2
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS(Mf)6	07:07:28	2.3	Bottom	3	2	28.05	8.44	21.82	94.1	6.52	7.8	8.6
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS7	07:01:12	1.0	Surface	1	1	28.06	8.44	21.63	93.8	6.51	7.9	8.1
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS7	07:01:42	1.0	Surface	1	2	27.97	8.43	21.83	89.2	6.19	8.1	8.8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS7	07:01:04	2.2	Bottom	3	1	28	8.43	21.86	94.3	6.54	8.1	8.7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS7	07:01:33	2.2	Bottom	3	2	27.77	8.42	22.46	90.2	6.25	7.8	9.2
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS8	06:37:56	1.0	Surface	1	1	27.95	8.39	20.25	91.1	6.38	5.9	6.9
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS8	06:38:12	1.0	Surface	1	2	27.94	8.39	20.27	91.4	6.4	5.8	6.8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS8	06:37:48	3.1	Bottom	3	1	27.87	8.38	21.16	91	6.34	5.7	9.2
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS8	06:38:04	3.1	Bottom	3	2	27.89	8.38	20.88	91.5	6.39	5.9	9.4
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS(Mf)9	06:53:19	1.0	Surface	1	1	27.96	8.4	20.39	94.2	6.59	5.2	7.7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS(Mf)9	06:53:31	1.0	Surface	1	2	27.93	8.4	20.25	93.1	6.52	5.3	7.2

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	2016-07-20	Mid-Flood	Sunny	IS(Mf)9	06:53:12	2.8	Bottom	3	1	27.96	8.39	20.6	94.7	6.61	5.3	8.7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS(Mf)9	06:53:25	2.8	Bottom	3	2	27.92	8.39	21.34	93.9	6.54	5.2	8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS10	06:34:32	1.0	Surface	1	1	27.23	8.5	20.1	75.8	5.36	8.3	6.7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS10	06:35:14	1.0	Surface	1	2	27.17	8.49	20.71	76.6	5.35	8.3	6.1
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS10	06:35:03	5.4	Middle	2	1	26.74	8.46	22.58	75.4	5.27	8.4	6.3
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS10	06:34:20	5.4	Middle	2	2	26.58	8.46	22.5	74.9	5.23	8.6	6.9
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS10	06:34:12	9.8	Bottom	3	1	26.8	8.45	23.86	74.1	5.23	8.7	6.4
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	IS10	06:34:53	9.8	Bottom	3	2	26.72	8.45	23.17	74.3	5.24	8.7	5.9
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR3	07:28:52	0.9	Middle	2	1	27.63	8.42	21.92	97.8	6.82	7.4	10
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR3	07:29:01	0.9	Middle	2	2	28.08	8.44	21.72	97.8	6.77	7.5	9.8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR4	06:46:20	1.0	Surface	1	1	27.98	8.4	20.25	93.7	6.56	5.4	7.3
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR4	06:46:07	1.0	Surface	1	2	27.98	8.4	20.34	93.5	6.54	5.4	8.1
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR4	06:46:12	2.7	Bottom	3	1	27.99	8.39	20.96	93.8	6.53	5.5	8.6
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR4	06:46:00	2.7	Bottom	3	2	27.99	8.39	20.4	93	6.5	5.4	8.5
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR5	06:43:59	1.0	Surface	1	1	27.27	8.49	19.28	76.6	5.38	7.6	7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR5	06:44:19	1.0	Surface	1	2	27.53	8.5	19.86	77.2	5.45	7.6	7.8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR5	06:43:50	4.3	Bottom	3	1	27.29	8.47	21.24	75.3	5.31	7.8	7.1
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR5	06:44:08	4.3	Bottom	3	2	27.33	8.47	21.58	76.3	5.37	7.7	7.4
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10A	05:43:19	1.0	Surface	1	1	27.18	8.36	22.78	80.2	5.61	3.5	6.2
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10A	05:43:52	1.0	Surface	1	2	27.17	8.36	22.61	79.1	5.54	3.6	6
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10A	05:43:08	3.2	Middle	2	1	26.17	8.3	26.44	77.9	5.38	3.7	6.2
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10A	05:43:42	3.2	Middle	2	2	26.22	8.31	26.28	76.6	5.32	3.7	6.5
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10A	05:43:32	5.4	Bottom	3	1	24.75	8.26	31.47	73.4	5.11	3.7	5.7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10A	05:43:00	5.4	Bottom	3	2	24.92	8.28	31.71	74.5	5.19	3.6	6.3
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10B	05:32:07	1.0	Surface	1	1	26.5	8.33	24.34	83	5.82	3.3	7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10B	05:32:25	1.0	Surface	1	2	26.83	8.33	24.19	83.2	5.8	3.3	7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10B	05:32:16	3.7	Bottom	3	1	26.51	8.3	27.21	82.6	5.7	3.4	7.9
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	SR10B	05:32:01	3.7	Bottom	3	2	25.89	8.29	28.48	83.7	5.79	3.3	8.6
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS2	08:00:40	1.0	Surface	1	1	28.15	8.56	17.79	95.5	6.68	4.5	5.4
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS2	08:01:22	1.0	Surface	1	2	27.39	8.48	21.45	95.2	6.71	4.5	5.6
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS2	08:01:00	4.1	Middle	2	1	28.05	8.56	17.66	94.4	6.64	4.6	5.3
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS2	08:00:29	4.1	Middle	2	2	27.74	8.53	19.01	94	6.62	4.7	5.4
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS2	08:00:20	7.1	Bottom	3	1	27.64	8.5	20.09	93.1	6.59	4.9	7.1
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS2	08:00:51	7.1	Bottom	3	2	27.84	8.53	19.53	92.3	6.54	4.8	6.1
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS(Mf)5	06:04:15	1.0	Surface	1	1	27.41	8.37	22.3	77	5.38	3.8	6.2
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS(Mf)5	06:05:00	1.0	Surface	1	2	27.32	8.37	22.57	79.8	5.57	3.4	6.4
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS(Mf)5	06:04:35	6.4	Middle	2	1	24.23	8.25	31.97	74.5	5.18	5.2	7
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS(Mf)5	06:03:54	6.4	Middle	2	2	24.05	8.24	32.66	73.9	5.13	5.7	7.8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS(Mf)5	06:03:46	11.7	Bottom	3	1	24	8.25	33.76	73.1	5.06	5.6	6.8
HKLR	HY/2011/03	2016-07-20	Mid-Flood	Sunny	CS(Mf)5	06:04:26	11.7	Bottom	3	2	23.98	8.25	33.75	73.3	5.09	5.6	6.7
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	ISS	13:13:32	1.0	Surface	1	1	27.96	8.48	23.01	89	6.1	10.7	12.6
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	ISS	13:14:09	1.0	Surface	1	2	28.09	8.45	22.96	84.3	5.82	10.4	13.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	ISS	13:13:24	4.3	Middle	2	1	27.58	8.48	23.7	85.5	5.9	10.6	14.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	ISS	13:14:00	4.3	Middle	2	2	27.74	8.45	23.47	83.6	5.75	10.6	13.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	ISS	13:13:44	7.5	Bottom	3	1	27.6	8.46	23.87	81	5.59	10.5	13.5
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	ISS	13:13:17	7.5	Bottom	3	2	28.03	8.5	23.78	85.2	5.87	10.5	12.5
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS(Mf)6	13:29:55	1.0	Surface	1	1	28.81	8.48	22.02	101.9	6.96	8.9	7.9
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS(Mf)6	13:30:44	1.0	Surface	1	2	28.87	8.48	21.97	105.2	7.18	8.5	7.2
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS(Mf)6	13:30:34	2.2	Bottom	3	1	28.78	8.48	22.28	105.5	7.2	8.8	9.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS(Mf)6	13:29:49	2.2	Bottom	3	2	28.73	8.48	22.32	100.6	6.87	8.9	9.8
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS7	13:37:45	1.0	Surface	1	1	28.87	8.47	21.02	110.3	7.57	7.5	5.3
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS7	13:37:59	1.0	Surface	1	2	28.96	8.47	20.79	110.1	7.55	7.7	5.9

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	2016-07-22	Mid-Ebb	Sunny	IS7	13:37:51	2.2	Bottom	3	1	28.62	8.45	22.3	111.9	7.65	7.5	6.3
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS7	13:37:38	2.2	Bottom	3	2	28.69	8.46	22.39	111.2	7.6	7.7	6.7
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS8	14:01:08	1.0	Surface	1	1	28.56	8.55	20.99	122.3	8.32	8.6	7.3
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS8	14:01:51	1.0	Surface	1	2	28.61	8.55	20.96	122.2	8.35	8.6	7.2
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS8	14:01:43	2.9	Bottom	3	1	28.31	8.52	23.46	118.2	8.15	8.5	9.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS8	14:01:02	2.9	Bottom	3	2	28.62	8.53	23.32	119	8.21	8.6	9.9
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS(Mf)9	13:47:44	1.0	Surface	1	1	28.94	8.47	20.41	122.3	8.3	9.4	6.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS(Mf)9	13:47:28	1.0	Surface	1	2	29.56	8.47	20.41	127.7	8.65	9.4	5.7
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS(Mf)9	13:47:36	2.5	Bottom	3	1	28.83	8.44	22.71	115.2	7.88	9.3	7.4
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS(Mf)9	13:47:18	2.5	Bottom	3	2	28.39	8.43	23.33	113.6	7.75	9.1	6.3
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS10	14:12:51	1.0	Surface	1	1	28.41	8.69	19.52	90.2	6.24	6.7	4.8
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS10	14:12:06	1.0	Surface	1	2	28.28	8.68	19.71	89.1	6.23	6.8	6
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS10	14:11:55	5.8	Middle	2	1	28.12	8.69	20	86.6	6.05	6.9	7
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS10	14:12:33	5.8	Middle	2	2	28.13	8.68	20.01	86.2	6.11	6.8	6.6
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS10	14:12:18	10.6	Bottom	3	1	28.1	8.67	20.23	85.8	6.01	7.1	5.7
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	IS10	14:11:46	10.6	Bottom	3	2	27.99	8.66	20.45	85.2	5.95	7.2	5.4
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR3	13:01:07	0.6	Middle	2	1	28.64	8.68	21.34	103.6	7.13	8.3	15.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR3	13:01:02	0.6	Middle	2	2	28.63	8.69	21.27	101.7	7	8.4	16.4
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR4	13:52:50	1.0	Surface	1	1	28.73	8.54	20.75	120.3	8.28	7.5	8.5
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR4	13:52:36	1.0	Surface	1	2	28.78	8.54	20.88	122.1	8.4	7.5	8.3
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR4	13:52:43	2.7	Bottom	3	1	28.58	8.51	23.24	122.4	8.34	7.6	8.6
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR4	13:52:29	2.7	Bottom	3	2	28.87	8.52	22.95	123.7	8.4	7.1	8.6
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR5	14:00:18	1.0	Surface	1	1	27.9	8.66	20.47	77.6	5.41	8	5.5
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR5	13:59:58	1.0	Surface	1	2	27.94	8.66	20.26	77.7	5.44	7.9	6.6
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR5	13:59:45	4.4	Bottom	3	1	27.83	8.65	20.89	75.5	5.28	8.2	6.3
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR5	14:00:10	4.4	Bottom	3	2	27.89	8.66	20.71	76.5	5.31	8.3	5.4
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10A	15:12:54	1.0	Surface	1	1	28.71	8.37	21.73	84.4	5.79	5.1	5.9
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10A	15:13:30	1.0	Surface	1	2	28.69	8.38	21.6	90.5	6.21	4.7	6.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10A	15:13:21	3.2	Middle	2	1	28.06	8.35	23.26	79.5	5.44	6.2	8.3
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10A	15:12:45	3.2	Middle	2	2	28.38	8.34	23.17	78.3	5.41	6.2	8.8
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10A	15:13:13	5.3	Bottom	3	1	27.79	8.33	25.49	73.7	5.02	6.3	9.7
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10A	15:12:37	5.3	Bottom	3	2	26.27	8.3	27.64	77.3	5.29	6.2	9.8
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10B	15:23:24	1.0	Surface	1	1	28.64	8.38	21.66	93.5	6.42	4.7	8.7
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10B	15:22:53	1.0	Surface	1	2	28.61	8.38	21.72	92.8	6.37	4.6	8.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10B	15:22:45	3.9	Bottom	3	1	28.08	8.35	23.59	91.7	6.29	4.7	7.9
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	SR10B	15:23:15	3.9	Bottom	3	2	28.13	8.36	23.45	92.6	6.35	4.6	8
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS2	12:56:15	1.0	Surface	1	1	27.46	8.61	22.98	76.4	5.41	10.2	8
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS2	12:55:46	1.0	Surface	1	2	26.85	8.62	23.53	76.9	5.44	10.3	7.9
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS2	12:56:06	4.2	Middle	2	1	26.39	8.59	24.41	75.3	5.35	10.6	7.2
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS2	12:55:30	4.2	Middle	2	2	26.39	8.62	24.39	75.8	5.37	10.5	7.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS2	12:55:55	7.3	Bottom	3	1	26.51	8.6	24.26	74.5	5.27	10.9	8.4
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS2	12:55:19	7.3	Bottom	3	2	26.32	8.6	24.74	74.1	5.29	10.8	7.8
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS(Mf)5	14:38:35	1.0	Surface	1	1	28.81	8.39	21.63	78.4	5.41	5.1	6.3
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS(Mf)5	14:39:18	1.0	Surface	1	2	28.94	8.38	21.47	78.2	5.48	5.1	5.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS(Mf)5	14:38:19	5.8	Middle	2	1	26.25	8.31	28.83	78.2	5.35	8.3	6.8
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS(Mf)5	14:39:04	5.8	Middle	2	2	26.2	8.3	28.69	76.8	5.28	8.1	6.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS(Mf)5	14:38:08	10.6	Bottom	3	1	24.95	8.31	31.92	71.5	4.94	8.2	6.1
HKLR	HY/2011/03	2016-07-22	Mid-Ebb	Sunny	CS(Mf)5	14:38:52	10.6	Bottom	3	2	25.49	8.28	30.88	71.1	4.91	8.1	6.9
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	ISS	08:36:31	1.0	Surface	1	1	28.33	8.38	21.3	91.8	6.3	7.6	6.6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	ISS	08:37:02	1.0	Surface	1	2	28.27	8.37	21.28	90	6.18	7.5	7.1
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	ISS	08:36:56	4.3	Middle	2	1	27.97	8.35	22.61	89	6.16	9.7	6.7
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	ISS	08:36:22	4.3	Middle	2	2	27.93	8.35	22.68	91.2	6.24	9.6	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	2016-07-22	Mid-Flood	Sunny	IS5	08:36:16	7.5	Bottom	3	1	28.12	8.35	23.88	89.1	6.15	9.1	6.9
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS5	08:36:47	7.5	Bottom	3	2	27.8	8.34	24.05	87.1	6.01	9.6	7.9
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS(Mf)6	08:29:44	1.0	Surface	1	1	28.41	8.39	21.35	99.7	6.88	5.5	6.6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS(Mf)6	08:29:54	1.0	Surface	1	2	28.39	8.39	21.45	100.1	6.91	5.4	6.8
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS(Mf)6	08:29:36	2.5	Bottom	3	1	28.39	8.38	21.61	99.6	6.87	5.5	6.5
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS(Mf)6	08:29:49	2.5	Bottom	3	2	28.41	8.39	21.47	99.9	6.9	5.5	7.6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS7	08:23:36	1.0	Surface	1	1	28.48	8.38	20.86	100.8	6.97	5.3	6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS7	08:23:48	1.0	Surface	1	2	28.52	8.38	20.71	100.3	6.93	5.5	6.4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS7	08:23:41	2.4	Bottom	3	1	28.52	8.37	21.51	100.3	6.91	5.4	7.6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS7	08:23:28	2.4	Bottom	3	2	28.42	8.37	21.34	100.4	6.93	5.5	7.1
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS8	08:01:30	1.0	Surface	1	1	28.14	8.3	20.62	83.7	5.83	4.8	5.8
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS8	08:01:46	1.0	Surface	1	2	28.06	8.29	20.99	82.2	5.72	4.9	5.4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS8	08:01:37	3.0	Bottom	3	1	28.02	8.28	21.61	82.8	5.75	4.8	5.5
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS8	08:01:22	3.0	Bottom	3	2	28.21	8.29	21.29	84.3	5.84	4.8	5.5
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS(Mf)9	08:14:03	1.0	Surface	1	1	28.01	8.29	21.74	84.6	5.86	5.9	4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS(Mf)9	08:13:50	1.0	Surface	1	2	28.02	8.29	21.63	84.9	5.89	6.2	4.2
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS(Mf)9	08:13:41	2.7	Bottom	3	1	28.02	8.29	21.81	85.2	5.9	6.3	6.8
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS(Mf)9	08:13:56	2.7	Bottom	3	2	28.03	8.29	21.86	84.7	5.87	6	7.6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS10	07:56:06	1.0	Surface	1	1	27.76	8.6	19.29	74.6	5.33	6.8	7.6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS10	07:55:30	1.0	Surface	1	2	27.71	8.59	19.11	74.9	5.38	6.8	6.3
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS10	07:55:52	5.9	Middle	2	1	27.11	8.56	20.64	72.8	5.25	7.1	6.5
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS10	07:55:21	5.9	Middle	2	2	27.6	8.57	19.98	73.5	5.24	7	5.4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS10	07:55:11	10.8	Bottom	3	1	26.47	8.53	24.3	73.5	5.15	7.3	7.4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	IS10	07:55:42	10.8	Bottom	3	2	26.36	8.52	24.4	71.9	5.13	7.4	6.4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR3	08:45:48	0.6	Middle	2	1	28.58	8.39	21.15	101.2	6.97	5	7.4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR3	08:45:56	0.6	Middle	2	2	28.61	8.4	21.14	101.5	6.99	5	7.2
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR4	08:08:53	1.0	Surface	1	1	28.09	8.29	20.8	79.3	5.52	5.7	6.2
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR4	08:09:09	1.0	Surface	1	2	28.09	8.28	20.81	80.5	5.61	5.7	6.2
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR4	08:08:45	2.9	Bottom	3	1	28	8.28	21.32	78.1	5.43	5.7	7.7
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR4	08:08:59	2.9	Bottom	3	2	28.11	8.28	21.59	80.1	5.55	5.6	6.7
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR5	08:07:13	1.0	Surface	1	1	27.63	8.57	20.55	74.6	5.28	6	7
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR5	08:07:38	1.0	Surface	1	2	28.14	8.63	20.18	74.8	5.27	5.8	6.9
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR5	08:07:01	4.6	Bottom	3	1	28.17	8.62	18.06	73.6	5.22	6.3	5.8
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR5	08:07:24	4.6	Bottom	3	2	28.06	8.61	18	73.8	5.23	6.2	6.6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10A	07:07:07	1.0	Surface	1	1	26.79	8.22	25.48	77	5.44	3.8	5.6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10A	07:07:51	1.0	Surface	1	2	26.36	8.22	26.15	73.8	5.23	3.8	5.9
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10A	07:06:54	3.4	Middle	2	1	25.14	8.18	29.16	76.8	5.4	3.8	7.1
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10A	07:07:41	3.4	Middle	2	2	25.4	8.18	28.96	73.2	5.15	3.9	5.9
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10A	07:07:32	5.7	Bottom	3	1	24.83	8.15	32.41	70.7	5.02	3.8	5.4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10A	07:06:47	5.7	Bottom	3	2	24.84	8.17	32.27	73.8	5.25	3.9	6.1
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10B	06:57:18	1.0	Surface	1	1	26.3	8.2	26.63	77.7	5.5	3.5	6
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10B	06:57:00	1.0	Surface	1	2	26.11	8.2	26.59	78.4	5.51	3.6	4.9
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10B	06:57:08	4.2	Bottom	3	1	26.11	8.18	29.27	77.6	5.43	3.5	5.2
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	SR10B	06:56:52	4.2	Bottom	3	2	25.5	8.17	30.3	77.4	5.49	3.6	6.1
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS2	09:30:33	1.0	Surface	1	1	28.37	8.56	19.44	77.4	5.45	6.1	5.4
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS2	09:31:05	1.0	Surface	1	2	28.3	8.64	18.36	77	5.51	6.2	5.3
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS2	09:30:21	4.2	Middle	2	1	28.03	8.54	18.03	76.9	5.37	6.3	5
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS2	09:30:53	4.2	Middle	2	2	27.58	8.57	20.02	75.2	5.39	6.4	4.8
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS2	09:30:09	7.4	Bottom	3	1	27.41	8.55	20.59	74.9	5.3	6.5	3.7
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS2	09:30:42	7.4	Bottom	3	2	28.28	8.59	17.41	74.1	5.27	6.6	4.1
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS(Mf)5	07:34:47	1.0	Surface	1	1	26.44	8.21	25.83	82	5.74	8.5	4.7
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS(Mf)5	07:35:20	1.0	Surface	1	2	26.35	8.21	26.11	78.2	5.48	8.5	4.7

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	2016-07-22	Mid-Flood	Sunny	CS(Mf)5	07:35:11	6.1	Middle	2	1	24.24	8.15	32.48	75.9	5.33	8.4	5.2
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS(Mf)5	07:34:38	6.1	Middle	2	2	24.07	8.15	33.51	77.9	5.47	8.4	6.2
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS(Mf)5	07:35:02	11.2	Bottom	3	1	24.09	8.15	33.57	74.8	5.26	8.6	4.7
HKLR	HY/2011/03	2016-07-22	Mid-Flood	Sunny	CS(Mf)5	07:34:31	11.2	Bottom	3	2	24.18	8.15	33.54	77.7	5.46	8.4	4.5
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS5	15:27:54	1.0	Surface	1	1	28.68	8.41	22.51	99	6.76	7.4	9.9
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS5	15:27:18	1.0	Surface	1	2	28.61	8.43	22.39	96.9	6.63	7.5	9
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS5	15:27:06	4.3	Middle	2	1	28.11	8.4	23.41	92.2	6.37	7.5	10.6
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS5	15:27:38	4.3	Middle	2	2	27.98	8.38	23.84	95.7	6.61	7.7	10.9
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS5	15:26:50	7.6	Bottom	3	1	27.02	8.4	25.41	89.2	6.12	7.7	11.7
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS5	15:27:28	7.6	Bottom	3	2	26.78	8.39	26.17	87.1	5.98	7.8	10
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS(Mf)6	15:36:00	1.0	Surface	1	1	28.83	8.42	22.6	112.8	7.68	8.4	9
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS(Mf)6	15:36:14	1.0	Surface	1	2	28.93	8.43	22.52	113.8	7.73	8.4	10.1
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS(Mf)6	15:35:50	2.2	Bottom	3	1	28.78	8.42	22.65	112.2	7.64	8.5	10.6
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS(Mf)6	15:36:05	2.2	Bottom	3	2	28.84	8.42	22.62	113.2	7.7	8.5	12
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS7	15:43:21	1.0	Surface	1	1	28.79	8.42	22.79	113.7	7.74	8.7	12.9
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS7	15:43:39	1.0	Surface	1	2	28.8	8.42	22.8	113.5	7.72	8.5	12.4
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS7	15:43:10	2.3	Bottom	3	1	28.8	8.42	22.8	113.1	7.69	8.4	13.1
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS7	15:43:29	2.3	Bottom	3	2	28.73	8.42	22.93	113.1	7.7	8.7	12.2
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS8	16:02:58	1.0	Surface	1	1	28.38	8.5	21.89	97.7	6.73	4.8	6
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS8	16:03:13	1.0	Surface	1	2	28.57	8.5	21.5	99.1	6.81	4.7	6.8
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS8	16:02:48	3.1	Bottom	3	1	28.23	8.48	23.99	97.4	6.65	4.8	5.7
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS8	16:03:03	3.1	Bottom	3	2	28.28	8.48	23.81	97.7	6.67	4.7	4.8
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS(Mf)9	15:50:07	1.0	Surface	1	1	28.76	8.41	22.95	113.1	7.69	8.8	10.1
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS(Mf)9	15:50:28	1.0	Surface	1	2	28.74	8.41	23.02	112.7	7.67	8.9	12.1
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS(Mf)9	15:49:58	2.6	Bottom	3	1	28.71	8.41	23.02	112.8	7.67	9	10.7
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS(Mf)9	15:50:17	2.6	Bottom	3	2	28.73	8.41	23.04	112.8	7.67	9.1	9.6
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS10	16:43:53	1.0	Surface	1	1	28.46	8.75	20.07	89.2	6.16	6.5	4.8
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS10	16:42:51	1.0	Surface	1	2	28.49	8.77	20.03	88.6	6.15	6.6	5.2
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS10	16:42:26	5.1	Middle	2	1	27.44	8.67	23.22	77.5	5.35	7.3	6.3
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS10	16:43:35	5.1	Middle	2	2	27.38	8.67	23.22	77.7	5.36	7.2	5.8
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS10	16:43:12	9.2	Bottom	3	1	25.63	8.6	27.5	80.6	5.64	7.7	5.6
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	IS10	16:42:03	9.2	Bottom	3	2	25.65	8.6	27.54	80.3	5.61	7.7	5.1
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR3	15:17:15	0.9	Middle	2	1	29.09	8.52	21.44	111.8	7.63	8.6	11.3
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR3	15:17:09	0.9	Middle	2	2	29.15	8.53	21.37	110.7	7.55	8.7	9.9
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR4	15:56:52	1.0	Surface	1	1	28.1	8.42	22.54	96.1	6.63	4.8	4.6
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR4	15:56:39	1.0	Surface	1	2	28.14	8.43	22.43	96.6	6.66	4.8	6.1
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR4	15:56:33	2.9	Bottom	3	1	28.08	8.43	23.38	96.7	6.64	4.9	8.8
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR4	15:56:46	2.9	Bottom	3	2	28.22	8.42	23.78	96.4	6.58	4.8	7
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR5	16:32:34	1.0	Surface	1	1	28.3	8.72	20.16	95.3	6.64	6	4
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR5	16:33:16	1.0	Surface	1	2	28.26	8.73	20.16	96.2	6.69	6	4
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR5	16:32:16	4.0	Bottom	3	1	27.54	8.67	23.14	94.4	6.55	6.2	3.7
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR5	16:32:56	4.0	Bottom	3	2	27.51	8.68	23.16	95.2	6.59	6.5	3.3
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10A	17:17:09	1.0	Surface	1	1	28.53	8.44	22.92	97.3	6.65	5.6	4.2
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10A	17:17:30	1.0	Surface	1	2	28.33	8.43	22.36	97.8	6.69	5.8	4.7
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10A	17:17:23	3.3	Middle	2	1	28.03	8.41	24.3	97.3	6.61	6	5.4
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10A	17:17:01	3.3	Middle	2	2	27.98	8.41	24.35	97.1	6.6	6.1	4.1
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10A	17:16:54	5.5	Bottom	3	1	28	8.41	25.39	95.7	6.54	6.1	6.7
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10A	17:17:16	5.5	Bottom	3	2	28.17	8.41	25.09	96	6.56	6.2	7.3
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10B	17:26:43	1.0	Surface	1	1	28.31	8.44	22.83	100.2	6.87	5.5	5
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10B	17:26:30	1.0	Surface	1	2	28.31	8.43	23.98	99.9	6.8	5.6	5
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10B	17:26:20	3.9	Bottom	3	1	28.26	8.43	24.11	99.6	6.79	5.4	6.8
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	SR10B	17:26:36	3.9	Bottom	3	2	28.24	8.43	24.06	99.9	6.81	5.6	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	2016-07-25	Mid-Ebb	Sunny	CS2	15:30:25	1.0	Surface	1	1	29.58	8.65	18.04	99.7	6.88	4.1	3.8
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS2	15:31:34	1.0	Surface	1	2	29.57	8.67	18.05	99.9	6.91	4	5.3
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS2	15:29:59	4.0	Middle	2	1	28.01	8.59	21.23	89	6.19	4.4	5.2
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS2	15:31:12	4.0	Middle	2	2	28.01	8.6	21.2	88.3	6.14	4.3	5.5
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS2	15:29:33	7.0	Bottom	3	1	26.94	8.54	24.43	83.6	5.81	4.7	4.7
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS2	15:30:52	7.0	Bottom	3	2	26.98	8.54	24.38	84.3	5.85	4.5	4.4
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS(Mf)5	16:45:16	1.0	Surface	1	1	28.18	8.4	23.35	84.4	5.78	6.4	4
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS(Mf)5	16:45:55	1.0	Surface	1	2	28.17	8.4	23.54	85.7	5.86	6.2	5.4
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS(Mf)5	16:45:37	6.3	Middle	2	1	26.98	8.35	26.18	84.1	5.78	6.4	4.3
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS(Mf)5	16:45:00	6.3	Middle	2	2	26.88	8.35	26.17	82.3	5.67	6.5	3.3
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS(Mf)5	16:44:52	11.5	Bottom	3	1	25.51	8.34	30.61	73.9	5.1	6.5	4.2
HKLR	HY/2011/03	2016-07-25	Mid-Ebb	Sunny	CS(Mf)5	16:45:27	11.5	Bottom	3	2	25.55	8.35	30.9	74	5.1	6.7	3.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS5	11:20:40	1.0	Surface	1	1	28.74	8.52	23.29	108.4	7.36	7.2	5.2
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS5	11:20:12	1.0	Surface	1	2	28.74	8.51	23.26	109.6	7.44	7.4	4.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS5	11:20:00	4.4	Middle	2	1	28.11	8.47	24.42	99.3	6.78	7.7	6.1
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS5	11:20:30	4.4	Middle	2	2	28	8.47	24.48	101.6	6.94	7.5	5.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS5	11:19:50	7.8	Bottom	3	1	27.02	8.47	27.02	78.2	5.55	7.5	5.9
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS5	11:20:21	7.8	Bottom	3	2	27.16	8.49	27.17	75.9	5.22	7.5	6.1
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS(Mf)6	11:09:19	1.0	Surface	1	1	28.83	8.56	22.95	113.4	7.67	5.2	6.6
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS(Mf)6	11:09:32	1.0	Surface	1	2	28.92	8.57	22.81	113.4	7.67	5.2	6.9
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS(Mf)6	11:09:11	2.2	Bottom	3	1	28.84	8.54	22.99	112.1	7.58	5.2	6.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS(Mf)6	11:09:24	2.2	Bottom	3	2	28.81	8.56	23.02	113.7	7.69	5.1	8.1
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS7	11:00:12	1.0	Surface	1	1	28.28	8.36	22.67	92.1	6.32	8.2	6.2
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS7	10:59:58	1.0	Surface	1	2	28.29	8.36	22.67	92.4	6.34	8.5	4.4
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS7	11:00:06	2.3	Bottom	3	1	28.13	8.35	23.71	92.1	6.3	8.2	4.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS7	10:59:49	2.3	Bottom	3	2	28.22	8.35	23.73	92.3	6.31	8.4	5.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS8	10:36:25	1.0	Surface	1	1	28.28	8.35	22.56	90.5	6.22	11.5	9.2
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS8	10:36:39	1.0	Surface	1	2	28.27	8.35	22.73	91.1	6.26	11.6	8.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS8	10:36:18	3.0	Bottom	3	1	28.16	8.34	23.4	90.4	6.2	11.5	10.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS8	10:36:30	3.0	Bottom	3	2	28.22	8.35	23.39	91.1	6.24	11.2	11
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS(Mf)9	10:53:59	1.0	Surface	1	1	28.4	8.37	22.59	92.1	6.31	10.2	6.6
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS(Mf)9	10:53:45	1.0	Surface	1	2	28.24	8.37	22.66	90.7	6.23	10.3	6.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS(Mf)9	10:53:49	2.6	Bottom	3	1	28.28	8.36	23.58	91	6.22	10.4	8.3
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS(Mf)9	10:53:38	2.6	Bottom	3	2	28.14	8.35	23.69	90.2	6.17	10.6	8.2
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS10	10:19:43	1.0	Surface	1	1	28.67	8.63	18.29	79.9	5.58	5.7	3
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS10	10:18:33	1.0	Surface	1	2	28.66	8.62	18.28	78.8	5.5	5.5	3.1
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS10	10:19:26	5.2	Middle	2	1	27.67	8.55	22.12	74.2	5.16	5.8	3.9
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS10	10:18:08	5.2	Middle	2	2	27.68	8.55	22.01	74.2	5.16	6	2.8
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS10	10:19:01	9.4	Bottom	3	1	26.23	8.49	25.73	70.9	4.96	6.5	3.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	IS10	10:17:51	9.4	Bottom	3	2	26.25	8.48	25.71	70.7	4.93	6.4	3.2
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR3	11:28:19	0.8	Middle	2	1	29.19	8.51	23.14	119	7.98	4.7	6.1
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR3	11:28:24	0.8	Middle	2	2	29.13	8.51	23.18	120.2	8.07	4.7	5.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR4	10:43:00	1.0	Surface	1	1	28.11	8.35	22.92	90.6	6.23	10.2	9.9
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR4	10:42:42	1.0	Surface	1	2	28.31	8.35	22.66	91.8	6.3	10.2	9.4
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR4	10:42:53	2.7	Bottom	3	1	28.04	8.34	23.25	91.6	6.29	10.6	9.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR4	10:42:33	2.7	Bottom	3	2	28.16	8.35	23.07	91.9	6.31	10.6	10.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR5	10:29:59	1.0	Surface	1	1	28.79	8.63	18.4	85.8	6	4.6	3.3
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR5	10:29:19	1.0	Surface	1	2	28.87	8.62	18.45	85.7	5.99	4.7	3.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR5	10:29:39	4.1	Bottom	3	1	27.91	8.58	21.43	85.3	5.93	5.4	4.1
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR5	10:28:58	4.1	Bottom	3	2	27.84	8.57	21.49	84.3	5.86	5.2	4.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10A	09:21:48	1.0	Surface	1	1	28.28	8.22	22.94	82.7	5.67	3.7	3.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10A	09:22:20	1.0	Surface	1	2	28.11	8.23	22.91	78.6	5.41	3.7	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	2016-07-25	Mid-Flood	Sunny	SR10A	09:21:38	3.3	Middle	2	1	27.81	8.19	24.98	81.8	5.58	3.9	3.9
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10A	09:22:13	3.3	Middle	2	2	27.55	8.2	25.08	76.9	5.26	3.8	2.9
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10A	09:21:28	5.5	Bottom	3	1	26.87	8.18	28.12	79.6	5.44	3.7	2.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10A	09:22:02	5.5	Bottom	3	2	26.24	8.16	29.59	75.1	5.15	3.7	3.1
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10B	09:13:11	1.0	Surface	1	1	28.48	8.18	23.28	86.5	5.9	3.8	3.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10B	09:12:45	1.0	Surface	1	2	28.42	8.16	23.53	82	5.59	3.9	3.9
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10B	09:12:52	4.1	Bottom	3	1	27.19	8.14	26.99	83.3	5.69	3.8	3.4
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	SR10B	09:12:33	4.1	Bottom	3	2	26.9	8.1	27.37	78.9	5.4	3.9	4.9
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS2	11:26:26	1.0	Surface	1	1	27.9	8.61	19.64	77.8	5.46	5.2	4.3
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS2	11:28:35	1.0	Surface	1	2	27.92	8.61	19.66	78.2	5.52	4.9	2.8
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS2	11:27:11	4.1	Middle	2	1	26.63	8.54	23.17	72.2	5.09	5.8	6
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS2	11:26:04	4.1	Middle	2	2	26.59	8.54	23.11	72.3	5.09	5.7	4.8
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS2	11:25:39	7.2	Bottom	3	1	26.35	8.53	23.85	74.9	5.28	6.4	6.3
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS2	11:26:47	7.2	Bottom	3	2	26.32	8.52	23.78	74.7	5.26	6.5	4.1
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS(Mf)5	09:52:57	1.0	Surface	1	1	28.59	8.26	22.53	80.8	5.52	4.4	2.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS(Mf)5	09:53:40	1.0	Surface	1	2	28.57	8.26	22.47	80.2	5.49	4.6	3.2
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS(Mf)5	09:52:33	6.3	Middle	2	1	24.83	8.16	31.28	75.1	5.17	4.6	3.7
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS(Mf)5	09:53:17	6.3	Middle	2	2	24.79	8.16	31.63	74.9	5.15	4.5	3.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS(Mf)5	09:52:24	11.6	Bottom	3	1	24.71	8.16	32.93	74.1	5.11	4.6	3.5
HKLR	HY/2011/03	2016-07-25	Mid-Flood	Sunny	CS(Mf)5	09:53:09	11.6	Bottom	3	2	24.72	8.17	32.92	73.5	5.06	4.5	4.4
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS5	17:32:33	1.0	Surface	1	1	28.4	8.5	23.2	96.4	6.59	8.5	9.8
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS5	17:31:54	1.0	Surface	1	2	28.21	8.52	23.2	102.8	7.19	8.6	10.6
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS5	17:31:45	4.3	Middle	2	1	27.58	8.5	23.66	93.9	6.49	8.8	12.3
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS5	17:32:21	4.3	Middle	2	2	27.34	8.47	23.83	93.2	6.55	8.6	12.1
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS5	17:32:07	7.6	Bottom	3	1	26.07	8.48	25.29	86.2	5.97	8.7	13.1
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS5	17:31:34	7.6	Bottom	3	2	26.52	8.53	24.84	84.1	5.86	8.8	13.6
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS(Mf)6	17:42:50	1.0	Surface	1	1	28.08	8.52	24	104.8	7.17	8	10.9
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS(Mf)6	17:42:36	1.0	Surface	1	2	28.02	8.52	24.01	104	7.12	8.2	10.6
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS(Mf)6	17:42:29	2.2	Bottom	3	1	27.93	8.53	24.07	104.1	7.14	8.1	11.2
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS(Mf)6	17:42:42	2.2	Bottom	3	2	27.91	8.52	24.09	104.2	7.15	8	11.2
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS7	17:48:55	1.0	Surface	1	1	28.16	8.52	24.04	108.1	7.38	8	9.7
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS7	17:49:09	1.0	Surface	1	2	28.2	8.52	24.03	109.3	7.46	7.8	9.7
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS7	17:48:48	2.3	Bottom	3	1	28.03	8.52	24.12	107.4	7.35	8	10.3
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS7	17:49:00	2.3	Bottom	3	2	28.09	8.52	24.09	108.4	7.41	8.1	10.5
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS8	18:12:13	1.0	Surface	1	1	29.42	8.43	23.52	104.2	7.22	7.7	9.8
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS8	18:11:59	1.0	Surface	1	2	29.16	8.42	23.73	105.1	7.28	7.6	10
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS8	18:12:05	3.0	Bottom	3	1	27.57	8.43	24.54	104.8	7.25	7.8	10.5
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS8	18:11:53	3.0	Bottom	3	2	27.06	8.43	24.97	104.7	7.22	7.8	10
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS(Mf)9	17:59:24	1.0	Surface	1	1	29.54	8.51	23.18	112.5	7.68	7.5	6.6
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS(Mf)9	17:59:07	1.0	Surface	1	2	29.44	8.51	23.17	112	7.59	7.2	6.3
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS(Mf)9	17:59:14	2.5	Bottom	3	1	28	8.51	23.73	112.2	7.61	7.4	6.4
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS(Mf)9	17:59:00	2.5	Bottom	3	2	28.57	8.52	23.44	111.5	7.55	7.1	6.8
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS10	18:14:04	1.0	Surface	1	1	28.04	8.27	21.35	121.1	8.37	4.5	5.4
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS10	18:13:41	1.0	Surface	1	2	28.56	8.3	21.48	118.8	8.18	4.4	5.6
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS10	18:13:57	5.6	Middle	2	1	27.46	8.24	23.17	111.4	7.74	4.6	4.9
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS10	18:13:27	5.6	Middle	2	2	27.44	8.22	23.66	107	7.37	4.4	5.3
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS10	18:13:18	10.2	Bottom	3	1	27.26	8.21	25.11	100.9	6.99	4.7	6.4
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	IS10	18:13:50	10.2	Bottom	3	2	27.32	8.26	24.55	109.6	7.61	4.8	5.7
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR3	17:21:48	0.7	Middle	2	1	28.37	8.55	22.34	113.8	7.82	7.6	10.4
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR3	17:21:41	0.7	Middle	2	2	28.25	8.52	22.34	112.8	7.77	7.7	10
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR4	18:03:47	1.0	Surface	1	1	29.32	8.45	23.57	100.3	6.71	8.5	8
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR4	18:03:59	1.0	Surface	1	2	28.97	8.44	23.74	100.9	6.77	8.4	8

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	2016-07-27	Mid-Ebb	Sunny	SR4	18:03:41	2.8	Bottom	3	1	28.47	8.45	23.99	99.3	6.65	8.5	8.7
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR4	18:03:53	2.8	Bottom	3	2	27.72	8.46	24.43	100.5	6.72	8.1	9
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR5	18:07:10	1.0	Surface	1	1	28.13	8.27	22.89	116.1	7.99	4.6	6
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR5	18:07:32	1.0	Surface	1	2	28.13	8.26	22.61	114.6	7.84	4.5	6.6
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR5	18:06:56	4.3	Bottom	3	1	27.91	8.25	25.01	114.7	7.82	4.7	5.8
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR5	18:07:17	4.3	Bottom	3	2	27.71	8.24	24.97	113.4	7.81	4.7	5.1
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10A	19:12:38	1.0	Surface	1	1	27.94	8.57	23.32	119.8	8.26	5.5	6.2
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10A	19:13:05	1.0	Surface	1	2	27.67	8.55	23.46	117.1	8.1	5.2	6.2
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10A	19:12:29	3.2	Middle	2	1	26.71	8.53	25.09	115.5	7.95	5.3	7
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10A	19:12:58	3.2	Middle	2	2	27.43	8.54	24.62	113.7	7.85	5.5	6.6
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10A	19:12:46	5.4	Bottom	3	1	26.44	8.54	26.94	110.5	7.62	5.6	9.2
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10A	19:12:21	5.4	Bottom	3	2	26.68	8.53	26.88	110.7	7.7	5.5	7.4
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10B	19:21:06	1.0	Surface	1	1	27.79	8.57	23.37	121.2	8.36	4.5	7.2
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10B	19:21:17	1.0	Surface	1	2	27.64	8.56	23.82	121.9	8.41	4.8	7.7
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10B	19:21:00	3.4	Bottom	3	1	27.57	8.55	24.47	119.9	8.25	4.8	7.2
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	SR10B	19:21:11	3.4	Bottom	3	2	27.78	8.56	24.43	121.7	8.34	4.6	6.4
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS2	17:02:05	1.0	Surface	1	1	29.57	8.29	20.66	118.1	8.03	4.3	7
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS2	17:01:21	1.0	Surface	1	2	29.76	8.25	20.44	118.5	8.04	4.4	6.9
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS2	17:01:50	4.1	Middle	2	1	27.16	8.13	25.34	102.7	7.08	4.5	6.5
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS2	17:01:07	4.1	Middle	2	2	27.16	8.1	24.98	113.8	7.82	4.4	5.9
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS2	17:00:56	7.2	Bottom	3	1	27.08	8.11	26.25	93.3	6.45	4.6	7.4
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS2	17:01:42	7.2	Bottom	3	2	27.26	8.15	25.16	92.2	6.36	4.6	7.2
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS(Mf)5	18:48:19	1.0	Surface	1	1	27.86	8.51	23.46	98.3	6.87	5.5	6.8
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS(Mf)5	18:48:48	1.0	Surface	1	2	27.79	8.5	23.37	97.8	6.83	5.4	6.3
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS(Mf)5	18:48:07	5.9	Middle	2	1	25.81	8.44	26.97	84	5.87	5.6	8
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS(Mf)5	18:48:38	5.9	Middle	2	2	25.97	8.43	26.99	92.2	6.36	5.5	6.8
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS(Mf)5	18:48:30	10.8	Bottom	3	1	24.65	8.45	30.78	71.4	5.02	5.5	8.3
HKLR	HY/2011/03	2016-07-27	Mid-Ebb	Sunny	CS(Mf)5	18:47:57	10.8	Bottom	3	2	24.46	8.44	30.97	73.5	5.1	5.4	7.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS5	13:18:25	1.0	Surface	1	1	28.17	8.41	25.1	86.1	5.94	7.7	8.1
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS5	13:17:57	1.0	Surface	1	2	27.59	8.42	25.42	83.9	5.74	7.6	7.3
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS5	13:18:15	4.4	Middle	2	1	26.47	8.38	26.81	84.7	5.75	7.6	7.4
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS5	13:17:49	4.4	Middle	2	2	26.38	8.4	26.95	81.3	5.57	7.5	7.7
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS5	13:17:43	7.7	Bottom	3	1	26.52	8.41	27.87	76.3	5.22	7.7	8.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS5	13:18:08	7.7	Bottom	3	2	26.23	8.39	28.07	79.5	5.5	7.5	8.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS(Mf)6	13:07:11	1.0	Surface	1	1	28.69	8.56	24.74	128.3	8.7	5.3	5.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS(Mf)6	13:06:52	1.0	Surface	1	2	28.44	8.56	24.86	129.8	8.75	5.5	6.5
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS(Mf)6	13:06:47	2.3	Bottom	3	1	28.73	8.56	24.68	129.1	8.74	5.5	7.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS(Mf)6	13:07:00	2.3	Bottom	3	2	28.26	8.56	25	128.2	8.65	5.4	7.9
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS7	13:00:17	1.0	Surface	1	1	28.15	8.5	24.79	120.8	8.22	12.5	9.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS7	13:00:00	1.0	Surface	1	2	28.11	8.48	24.85	119.9	8.15	12.6	9.9
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS7	12:59:53	2.5	Bottom	3	1	28.09	8.48	24.93	112.7	7.66	12.5	14.1
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS7	13:00:05	2.5	Bottom	3	2	28.09	8.49	24.99	115.5	7.85	12.4	14.5
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS8	12:38:02	1.0	Surface	1	1	27.73	8.41	24.63	104.9	7.2	12.4	10.4
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS8	12:37:46	1.0	Surface	1	2	27.66	8.4	24.67	104.1	7.14	12.5	10.9
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS8	12:37:38	3.1	Bottom	3	1	27.65	8.39	25.69	104.5	7.13	12.3	10.5
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS8	12:37:52	3.1	Bottom	3	2	27.61	8.39	25.7	104.5	7.14	12.6	11.1
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS(Mf)9	12:53:32	1.0	Surface	1	1	28.04	8.45	24.93	111	7.56	11.2	11.1
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS(Mf)9	12:54:02	1.0	Surface	1	2	28.07	8.46	24.9	112.4	7.65	11.3	9.9
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS(Mf)9	12:53:23	2.6	Bottom	3	1	27.91	8.44	25.25	109.3	7.45	11.5	10.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS(Mf)9	12:53:50	2.6	Bottom	3	2	28	8.44	25.43	109.9	7.47	11.2	11.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS10	12:36:32	1.0	Surface	1	1	28.07	8.18	22.63	94.2	6.49	6.3	6.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS10	12:35:34	1.0	Surface	1	2	28.53	8.19	21.66	102.1	7.07	6.2	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	2016-07-27	Mid-Flood	Sunny	IS10	12:35:23	5.6	Middle	2	1	26.97	8.11	25.42	95.7	6.58	6.2	6.9
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS10	12:36:15	5.6	Middle	2	2	26.74	8.09	25.52	80.3	5.59	6.4	6.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS10	12:36:04	10.1	Bottom	3	1	26.23	8.08	26.6	79.4	5.51	6.7	7.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	IS10	12:35:05	10.1	Bottom	3	2	26.4	8.13	26.92	91.6	6.33	6.6	6.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR3	13:26:00	0.7	Middle	2	1	28.58	8.49	24.95	123.4	8.33	4.8	7.3
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR3	13:25:54	0.7	Middle	2	2	28.53	8.49	24.97	120.6	8.14	4.5	6.7
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR4	12:43:33	1.0	Surface	1	1	27.65	8.42	24.69	107	7.32	14.2	12.9
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR4	12:43:03	1.0	Surface	1	2	27.59	8.41	24.97	105.2	7.21	14.6	13.1
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR4	12:42:57	2.7	Bottom	3	1	27.59	8.41	25.16	104.7	7.18	14.8	18.2
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR4	12:43:26	2.7	Bottom	3	2	27.54	8.41	25.63	105.6	7.25	14.4	19.1
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR5	12:43:06	1.0	Surface	1	1	28.02	8.2	21.25	93.9	6.53	6.4	6.5
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR5	12:42:14	1.0	Surface	1	2	28.38	8.22	21.33	110.5	7.63	6.7	6.3
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR5	12:41:48	4.1	Bottom	3	1	26.7	8.11	26.11	92.8	6.42	6.7	7.3
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR5	12:42:46	4.1	Bottom	3	2	26.43	8.1	25.18	85	5.94	6.6	7.7
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10A	11:26:37	1.0	Surface	1	1	27.47	8.16	24.06	94.5	6.59	3.8	6.3
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10A	11:27:01	1.0	Surface	1	2	27.07	8.17	24.12	95.6	6.59	3.8	5.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10A	11:26:55	3.3	Middle	2	1	26.94	8.16	24.9	94	6.53	3.7	6.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10A	11:26:29	3.3	Middle	2	2	26.96	8.14	24.89	95.4	6.54	3.7	6.5
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10A	11:26:21	5.6	Bottom	3	1	27.03	8.13	24.93	94.1	6.52	3.9	7
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10A	11:26:43	5.6	Bottom	3	2	27.16	8.15	25.43	93.9	6.52	3.8	6.3
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10B	11:17:55	1.0	Surface	1	1	27.28	8	23.58	99.4	6.91	3.7	5.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10B	11:17:36	1.0	Surface	1	2	27.26	7.94	23.75	100.2	6.96	3.8	6.3
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10B	11:17:45	4.5	Bottom	3	1	27.04	7.95	25.17	99.6	6.89	3.9	7.9
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	SR10B	11:17:27	4.5	Bottom	3	2	27.17	7.89	25.33	100.4	6.92	3.8	7.4
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS2	13:40:51	1.0	Surface	1	1	28.08	8.19	18.07	105.3	7.45	5.3	6.4
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS2	13:41:36	1.0	Surface	1	2	28.4	8.24	17.61	116.5	8.21	5.1	6.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS2	13:40:43	4.1	Middle	2	1	26.42	8.11	20.29	99.2	7.02	5.9	5.7
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS2	13:41:11	4.1	Middle	2	2	27.75	8.14	18.94	99.4	7.05	5.4	5.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS2	13:41:04	7.1	Bottom	3	1	26.57	8.12	22.27	90.7	6.41	5.5	6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS2	13:40:38	7.1	Bottom	3	2	26.41	8.1	23.05	96.6	6.94	5.9	5.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS(Mf)5	12:01:51	1.0	Surface	1	1	27	8.21	24.92	84.3	5.84	5.6	5.1
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS(Mf)5	12:02:43	1.0	Surface	1	2	27	8.21	24.97	82.2	5.69	5.7	4.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS(Mf)5	12:02:19	6.6	Middle	2	1	25.38	8.15	27.86	77	5.36	5.6	6.6
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS(Mf)5	12:01:28	6.6	Middle	2	2	26.45	8.16	27.33	79.1	5.52	5.6	6.7
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS(Mf)5	12:01:15	12.1	Bottom	3	1	25.06	8.14	29.66	72.8	5.02	5.6	6.8
HKLR	HY/2011/03	2016-07-27	Mid-Flood	Sunny	CS(Mf)5	12:02:10	12.1	Bottom	3	2	25.11	8.15	29.66	70.5	4.94	5.6	7.4
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS5	10:21:52	1.0	Surface	1	1	29.23	8.52	21.47	94.8	6.45	7.6	6.2
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS5	10:22:41	1.0	Surface	1	2	29.16	8.51	21.55	97.2	6.62	7.6	5.9
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS5	10:21:36	4.1	Middle	2	1	27.21	8.43	25.63	78.1	5.44	7.8	6.3
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS5	10:22:23	4.1	Middle	2	2	27.4	8.43	25.08	75.2	5.24	7.8	7.3
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS5	10:21:26	7.1	Bottom	3	1	24.97	8.41	30.14	70.9	4.88	7.8	6.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS5	10:22:12	7.1	Bottom	3	2	24.95	8.39	30.14	71.4	4.91	7.9	8.2
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS(Mf)6	10:12:54	1.0	Surface	1	1	28.53	8.56	22.32	100.6	6.89	7.4	7.7
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS(Mf)6	10:12:42	1.0	Surface	1	2	28.12	8.55	23.2	99.9	6.86	7.3	7.7
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS(Mf)6	10:12:36	2.3	Bottom	3	1	28.16	8.54	24.85	101.3	6.89	7.2	7.3
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS(Mf)6	10:12:47	2.3	Bottom	3	2	28.21	8.53	24.82	99.4	6.75	7.4	8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS7	10:06:11	1.0	Surface	1	1	29.17	8.64	21.7	133.5	9.08	6.2	3.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS7	10:05:57	1.0	Surface	1	2	29.15	8.63	21.44	130.1	8.87	6.2	5.2
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS7	10:06:04	2.3	Bottom	3	1	29.18	8.63	22.41	133.3	9.03	6.5	5.1
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS7	10:05:50	2.3	Bottom	3	2	29.15	8.62	22.75	131.4	8.89	6.2	3.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS8	09:39:57	1.0	Surface	1	1	28.95	8.58	21.9	131.4	8.96	7.2	6.2
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS8	09:40:09	1.0	Surface	1	2	28.95	8.58	21.92	130.7	8.92	7.1	6.3

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	2016-07-29	Mid-Ebb	Sunny	IS8	09:40:03	2.6	Bottom	3	1	28.95	8.57	22.18	128	8.73	7.1	6
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS8	09:39:50	2.6	Bottom	3	2	28.92	8.57	22.24	125.2	8.53	7.2	4.5
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS(Mf)9	09:58:47	1.0	Surface	1	1	29.09	8.64	21.04	129.3	8.84	5.5	5.2
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS(Mf)9	09:58:38	1.0	Surface	1	2	28.92	8.63	21.19	128.7	8.82	5.4	5.5
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS(Mf)9	09:58:41	2.6	Bottom	3	1	29.06	8.64	22.73	129	8.74	5.5	5.5
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS(Mf)9	09:58:32	2.6	Bottom	3	2	29.01	8.62	23.98	131	8.82	5.4	5.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS10	09:20:33	1.0	Surface	1	1	28.91	8.21	17.75	104.2	7.21	4.1	5.9
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS10	09:20:03	1.0	Surface	1	2	28.89	8.19	17.98	107.8	7.39	4	6
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS10	09:20:29	5.6	Middle	2	1	28.75	8.18	19.2	102.9	7.18	4.1	5.9
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS10	09:19:57	5.6	Middle	2	2	28.31	8.12	19.6	102.9	7.19	4	5.9
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS10	09:20:16	10.1	Bottom	3	1	28.04	8.13	22.07	101.4	7.05	4.4	8.3
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	IS10	09:19:50	10.1	Bottom	3	2	28.57	8.12	22.29	102.3	7.14	4.1	8.4
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR3	10:31:30	0.7	Middle	2	1	29.28	8.58	21.51	127.3	8.65	5.9	7
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR3	10:31:25	0.7	Middle	2	2	29.3	8.58	21.47	126.7	8.61	5.3	8.9
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR4	09:48:56	1.0	Surface	1	1	29.22	8.66	21.23	147.4	10.05	4.7	8.4
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR4	09:48:41	1.0	Surface	1	2	29.25	8.64	21.16	144.9	9.88	4.8	8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR4	09:48:48	2.7	Bottom	3	1	29.14	8.64	22	144.2	9.79	4.7	6.5
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR4	09:48:35	2.7	Bottom	3	2	29.2	8.63	22.03	141.1	9.62	4.9	7.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR5	09:25:47	1.0	Surface	1	1	29.18	8.29	17.46	114.7	7.94	3.8	5.9
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR5	09:26:08	1.0	Surface	1	2	29.07	8.29	17.64	112.8	7.75	4	5.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR5	09:25:34	4.0	Bottom	3	1	28.66	8.21	20.05	112.6	7.84	3.8	4.9
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR5	09:25:58	4.0	Bottom	3	2	28.68	8.22	21.48	110.1	7.67	4	4.1
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10A	08:18:19	1.0	Surface	1	1	28.5	8.41	20.53	103.3	7.15	3.8	6.5
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10A	08:18:57	1.0	Surface	1	2	28.53	8.42	20.35	103.7	7.19	3.9	6.5
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10A	08:18:48	3.2	Middle	2	1	28.47	8.42	20.52	103.2	7.15	4	7.3
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10A	08:18:08	3.2	Middle	2	2	28.45	8.4	20.62	103	7.13	3.9	7
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10A	08:18:00	5.3	Bottom	3	1	28.48	8.4	20.66	102.9	7.12	3.9	7.2
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10A	08:18:39	5.3	Bottom	3	2	28.44	8.41	20.63	103.1	7.14	3.9	8.1
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10B	08:06:32	1.0	Surface	1	1	28.44	8.34	21.08	102.2	7.06	3.9	5.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10B	08:06:16	1.0	Surface	1	2	28.43	8.33	21.22	102.1	7.05	3.8	6
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10B	08:06:09	4.3	Bottom	3	1	28.45	8.32	21.34	101.9	7.03	3.8	6.5
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	SR10B	08:06:24	4.3	Bottom	3	2	28.41	8.33	21.3	102	7.05	3.9	5.2
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS2	10:38:48	1.0	Surface	1	1	29.36	8.33	15.08	116	8.16	3.4	3.1
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS2	10:38:21	1.0	Surface	1	2	29.53	8.34	15.11	115.6	8.11	3.5	2.9
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS2	10:38:04	4.0	Middle	2	1	28.64	8.25	16.42	106.4	7.44	3.7	3
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS2	10:38:42	4.0	Middle	2	2	29.06	8.31	15.47	114	8.06	3.7	3.5
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS2	10:38:34	7.0	Bottom	3	1	28.51	8.27	16.77	112.9	7.97	3.7	3.4
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS2	10:37:57	7.0	Bottom	3	2	28.05	8.18	20.2	101.8	7.19	3.7	2.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS(Mf)5	08:55:29	1.0	Surface	1	1	28.53	8.43	20.12	93.3	6.47	3.9	7.2
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS(Mf)5	08:54:38	1.0	Surface	1	2	28.5	8.43	20.17	92.5	6.42	4.1	6.8
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS(Mf)5	08:55:16	6.2	Middle	2	1	28.33	8.42	20.26	82.4	5.73	4.2	7.7
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS(Mf)5	08:54:24	6.2	Middle	2	2	28.27	8.4	20.33	79.9	5.56	3.9	7.1
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS(Mf)5	08:54:12	11.4	Bottom	3	1	24.49	8.29	31.69	79.8	5.56	4.2	6.4
HKLR	HY/2011/03	2016-07-29	Mid-Ebb	Sunny	CS(Mf)5	08:55:03	11.4	Bottom	3	2	24.44	8.29	31.75	79.1	5.51	4.2	6.5
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	ISS	14:30:07	1.0	Surface	1	1	30.08	8.57	20.41	149.9	10.07	7.8	6.3
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	ISS	14:29:21	1.0	Surface	1	2	30.29	8.62	20.21	149.4	10.02	6.8	6.7
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	ISS	14:29:57	4.3	Middle	2	1	27.07	8.48	24.4	118.2	7.95	7.7	6.6
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	ISS	14:29:05	4.3	Middle	2	2	27.68	8.49	23.74	118.9	8	7.6	7.1
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	ISS	14:28:49	7.5	Bottom	3	1	26.71	8.49	25.7	79.7	5.5	7.6	7.4
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	ISS	14:29:50	7.5	Bottom	3	2	26.61	8.47	26	78.5	5.45	7.8	7.3
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS(Mf)6	14:48:17	1.0	Surface	1	1	30.19	8.66	20.76	182.3	12.26	8.4	5.9
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS(Mf)6	14:47:39	1.0	Surface	1	2	30.03	8.65	20.9	178.5	12.05	8.4	6.1

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	2016-07-29	Mid-Flood	Sunny	IS(Mf)6	14:47:30	2.0	Bottom	3	1	29.92	8.64	21.2	173.8	11.7	8.8	6.8
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS(Mf)6	14:47:48	2.0	Bottom	3	2	29.74	8.64	21.41	177.8	11.97	8.5	5
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS7	15:03:58	1.0	Surface	1	1	30.16	8.72	20.2	168.4	11.31	7.6	12.9
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS7	15:04:43	1.0	Surface	1	2	30.33	8.73	19.9	169.2	11.34	7.5	13.3
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS7	15:04:31	2.1	Bottom	3	1	30.13	8.71	20.72	167.3	11.21	7.7	13.6
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS7	15:03:47	2.1	Bottom	3	2	29.9	8.71	21.39	171.8	11.51	7.5	13.1
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS8	15:32:47	1.0	Surface	1	1	29.47	8.68	20.06	146.4	10	18.5	15.2
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS8	15:33:04	1.0	Surface	1	2	29.47	8.67	20.1	146.2	9.99	18.2	15.2
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS8	15:32:55	3.0	Bottom	3	1	29.45	8.67	20.32	146.5	10	18.2	16.4
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS8	15:32:36	3.0	Bottom	3	2	29.46	8.68	20.29	146.4	9.99	18.4	17.9
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS(Mf)9	15:18:30	1.0	Surface	1	1	29.71	8.65	19.87	160.5	10.93	14.6	10.1
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS(Mf)9	15:19:07	1.0	Surface	1	2	29.63	8.64	19.96	158.6	10.81	14.6	10.3
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS(Mf)9	15:18:22	2.6	Bottom	3	1	29.7	8.66	20.17	160.2	10.89	14.5	11.2
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS(Mf)9	15:18:58	2.6	Bottom	3	2	29.63	8.66	20.21	160.3	10.91	14.5	12
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS10	15:35:22	1.0	Surface	1	1	29.22	8.39	16.12	126.5	8.86	5.3	3.2
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS10	15:35:49	1.0	Surface	1	2	29.13	8.39	15.95	125.6	8.91	5.2	5.1
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS10	15:35:41	5.5	Middle	2	1	28.93	8.35	16.36	124.3	8.74	5.2	6.8
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS10	15:35:09	5.5	Middle	2	2	28.95	8.31	16.86	111.9	7.92	5.4	7.3
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS10	15:35:33	10.0	Bottom	3	1	26.7	8.28	21.56	116.9	8.22	5.5	6.9
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	IS10	15:35:00	10.0	Bottom	3	2	26.6	8.2	22.45	108.9	7.64	5.5	6.8
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR3	14:16:35	0.7	Middle	2	1	30.41	8.55	19.2	161.5	10.91	3.5	8.7
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR3	14:16:40	0.7	Middle	2	2	30.42	8.55	19.25	162.9	11	3.5	8.3
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR4	15:26:22	1.0	Surface	1	1	29.62	8.62	19.51	153.1	10.46	15.6	14.4
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR4	15:26:35	1.0	Surface	1	2	29.59	8.61	19.56	152.1	10.39	15.8	14.5
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR4	15:26:15	2.7	Bottom	3	1	29.65	8.62	19.75	153.8	10.49	15.8	20.2
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR4	15:26:27	2.7	Bottom	3	2	29.6	8.62	20.29	152.8	10.4	15.6	19.6
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR5	15:30:15	1.0	Surface	1	1	29.1	8.38	15.67	133.4	9.37	5.2	7.4
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR5	15:30:31	1.0	Surface	1	2	29.08	8.38	16.09	133.8	9.34	5.3	8.2
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR5	15:30:22	4.1	Bottom	3	1	28.86	8.34	17.9	132.6	9.32	5.5	7.6
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR5	15:30:07	4.1	Bottom	3	2	28.83	8.35	17.01	132.6	9.34	5.4	6.9
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10A	16:42:53	1.0	Surface	1	1	28.99	8.68	19.71	125.1	8.56	3.7	8.5
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10A	16:43:46	1.0	Surface	1	2	29.32	8.7	19.61	130.8	8.98	3.5	8.4
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10A	16:42:46	3.3	Middle	2	1	28.54	8.63	21.79	116.5	8.09	3.8	8
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10A	16:43:34	3.3	Middle	2	2	28.46	8.63	21.83	122.6	8.46	3.6	7.7
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10A	16:42:36	5.5	Bottom	3	1	25.28	8.55	29.71	114.1	7.85	3.8	8.6
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10A	16:43:24	5.5	Bottom	3	2	25.1	8.55	30.11	110.5	7.6	3.6	7.7
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10B	16:52:48	1.0	Surface	1	1	29.56	8.68	19.45	126.8	8.69	3.7	8.5
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10B	16:53:04	1.0	Surface	1	2	29.15	8.71	19.66	130.2	8.85	3.8	9
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10B	16:52:56	4.3	Bottom	3	1	29.01	8.67	22.31	108.4	7.45	3.8	10.6
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	SR10B	16:52:29	4.3	Bottom	3	2	26.09	8.55	27.45	112.7	7.71	3.8	10.6
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS2	14:20:45	1.0	Surface	1	1	30.43	8.3	16.32	108.1	7.42	5.4	7.1
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS2	14:21:36	1.0	Surface	1	2	30.43	8.33	16.28	110.9	7.61	5.3	8
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS2	14:21:20	4.1	Middle	2	1	28.27	8.13	22.51	85.9	5.92	5.4	7.5
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS2	14:20:24	4.1	Middle	2	2	26.77	8.05	24.13	99.4	6.85	5.4	7.7
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS2	14:21:07	7.1	Bottom	3	1	26.57	8.05	27.16	82.5	5.67	5.6	7.1
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS2	14:20:13	7.1	Bottom	3	2	26.55	8.05	27.29	79.9	5.58	5.5	7.4
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS(Mf)5	16:14:48	1.0	Surface	1	1	29.74	8.65	19.22	107	7.31	3.3	6.9
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS(Mf)5	16:13:50	1.0	Surface	1	2	29.76	8.64	19.23	103.9	7.09	3.3	6.8
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS(Mf)5	16:13:37	6.4	Middle	2	1	25.73	8.47	29.08	98.1	6.84	3.2	7.5
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS(Mf)5	16:14:27	6.4	Middle	2	2	24.14	8.43	30.78	98.7	6.88	3.2	7.9
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS(Mf)5	16:13:24	11.7	Bottom	3	1	24.2	8.49	32.31	75.5	5.29	3.2	6.3
HKLR	HY/2011/03	2016-07-29	Mid-Flood	Sunny	CS(Mf)5	16:14:18	11.7	Bottom	3	2	23.89	8.44	32.5	72.5	5.02	3.2	6.7

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	2016-08-01	Mid-Ebb	-	IS5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS5	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS5	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS(Mf)6	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS(Mf)6	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS(Mf)6	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS(Mf)6	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS7	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS7	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS7	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS7	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS8	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS8	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS8	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS8	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS(Mf)9	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS(Mf)9	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS(Mf)9	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS(Mf)9	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS10	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS10	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS10	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS10	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS10	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	IS10	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR3	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR3	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR4	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR4	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR4	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR4	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	SR5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10A	11:24:28	1.0	Surface	1	1	26.21	8.48	30.57	89.2	6.07	3.9	5.1
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10A	11:24:52	1.0	Surface	1	2	26.28	8.48	30	90	6.11	3.9	5.8
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10A	11:14:17	3.1	Middle	2	1	26.66	8.54	30.03	102.5	6.94	3.5	6
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10A	11:13:57	3.1	Middle	2	2	26.74	8.55	29.93	102.9	6.96	3.5	5
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10A	11:24:19	5.2	Bottom	3	1	26.42	8.49	30.16	89.3	6.07	3.9	4
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10A	11:24:45	5.2	Bottom	3	2	26.29	8.48	30.83	89.4	6.1	3.9	3.8
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10B	11:14:24	1.0	Surface	1	1	26.75	8.55	29.6	101.6	6.89	3.5	4.5
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10B	11:24:37	1.0	Surface	1	2	26.42	8.49	29.8	91	6.19	3.6	4.6
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10B	11:24:59	1.2	Bottom	3	1	26.45	8.48	29.94	90.4	6.15	3.7	6.4
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	Cloudy	SR10B	11:14:07	1.2	Bottom	3	2	26.86	8.56	29.45	102.9	6.97	3.6	5
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS2	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS2	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS2	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS2	-	-	Middle	2	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	2016-08-01	Mid-Ebb	-	CS2	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS2	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS(Mf)5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS(Mf)5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS(Mf)5	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS(Mf)5	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS(Mf)5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Ebb	-	CS(Mf)5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS5	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS5	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS(Mf)6	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS(Mf)6	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS(Mf)6	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS(Mf)6	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS7	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS7	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS7	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS7	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS8	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS8	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS8	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS8	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS(Mf)9	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS(Mf)9	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS(Mf)9	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS(Mf)9	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS10	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS10	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS10	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS10	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS10	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	IS10	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR3	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR3	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR4	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR4	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR4	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR4	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10A	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10A	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10A	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10A	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10A	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10A	-	-	Bottom	3	2	-	-	-	-	-	-	-

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10B	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10B	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10B	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	SR10B	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS2	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS2	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS2	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS2	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS2	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS2	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS(Mf)5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS(Mf)5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS(Mf)5	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS(Mf)5	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS(Mf)5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-01	Mid-Flood	-	CS(Mf)5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS5	12:12:43	1.0	Surface	1	1	26.07	8.02	26.31	77.7	5.42	9.6	12.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS5	12:13:08	1.0	Surface	1	2	26.12	8.04	26.04	77.3	5.4	9.5	12.9
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS5	12:12:35	4.2	Middle	2	1	26.04	8.01	26.56	77.9	5.44	9.8	13.9
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS5	12:12:59	4.2	Middle	2	2	26.06	8.03	26.4	77.1	5.38	9.6	12.9
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS5	12:12:51	7.4	Bottom	3	1	26.07	8.02	26.47	77.4	5.4	9.8	14
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS5	12:12:27	7.4	Bottom	3	2	26.09	8	26.4	78.3	5.47	9.8	12.5
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS(Mf)6	12:19:37	1.0	Surface	1	1	26.11	8.09	26.3	77.7	5.43	10.7	11.4
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS(Mf)6	12:19:10	1.0	Surface	1	2	26.12	8.08	26.35	79.5	5.55	10.7	11.6
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS(Mf)6	12:19:31	2.5	Bottom	3	1	26.07	8.08	26.54	77.8	5.43	10.4	12.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS(Mf)6	12:19:00	2.5	Bottom	3	2	26.12	8.07	26.44	80.3	5.6	11	12.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS7	12:26:40	1.0	Surface	1	1	26.08	8.11	26.37	76.9	5.37	10.3	11.5
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS7	12:26:52	1.0	Surface	1	2	26.08	8.11	26.36	76.5	5.34	10.5	11.6
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS7	12:26:31	2.2	Bottom	3	1	26.08	8.1	26.49	77.2	5.39	10.4	16.4
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS7	12:26:45	2.2	Bottom	3	2	26.07	8.11	26.52	76.7	5.35	10.4	14.1
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS8	12:47:31	1.0	Surface	1	1	26.21	8.2	26.17	84.9	5.92	3.8	8.8
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS8	12:47:15	1.0	Surface	1	2	26.2	8.19	26.22	84.8	5.92	3.7	9
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS8	12:47:21	3.3	Bottom	3	1	26.19	8.19	26.32	84.8	5.91	3.8	8.1
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS8	12:47:08	3.3	Bottom	3	2	26.2	8.19	26.3	84.9	5.92	3.8	8.5
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS(Mf)9	12:36:27	1.0	Surface	1	1	26.16	8.09	26.24	82.2	5.73	5.4	11.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS(Mf)9	12:36:40	1.0	Surface	1	2	26.16	8.1	26.25	81.3	5.68	5.3	10.7
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS(Mf)9	12:36:32	2.6	Bottom	3	1	26.15	8.09	26.27	81.8	5.71	5.3	11.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS(Mf)9	12:36:19	2.6	Bottom	3	2	26.14	8.08	26.27	82.8	5.78	5.4	11.8
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS10	12:56:11	1.0	Surface	1	1	26.03	7.96	25.31	78.2	5.48	10.3	12.4
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS10	12:56:32	1.0	Surface	1	2	25.95	7.96	25.09	77.6	5.46	10	12.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS10	12:56:25	5.6	Middle	2	1	25.82	7.95	25.72	77.4	5.44	10.3	13.7
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS10	12:55:58	5.6	Middle	2	2	25.84	7.95	26.19	78.1	5.48	10.3	12.4
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS10	12:55:49	10.1	Bottom	3	1	25.79	7.94	26.69	77	5.42	10.3	12.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	IS10	12:56:20	10.1	Bottom	3	2	25.89	7.95	25.78	76.9	5.42	10.5	13.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR3	12:01:12	0.7	Middle	2	1	26.18	7.9	26.01	82.3	5.75	7.6	11.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR3	12:01:06	0.7	Middle	2	2	26.18	7.89	26.06	82.9	5.79	7.6	12.5
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR4	12:41:14	1.0	Surface	1	1	26.21	8.17	26.14	86.1	6.01	4.3	10.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR4	12:41:01	1.0	Surface	1	2	26.21	8.17	26.14	86.5	6.04	4.2	9.9
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR4	12:40:55	2.8	Bottom	3	1	26.21	8.16	26.25	87.1	6.07	4.4	10.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR4	12:41:06	2.8	Bottom	3	2	26.21	8.17	26.22	86.4	6.02	4.2	11.9
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR5	12:48:54	1.0	Surface	1	1	26.02	7.95	26.42	79.7	5.56	10.5	13.4
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR5	12:49:14	1.0	Surface	1	2	26.02	7.95	26.14	78.6	5.49	10.5	14

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	2016-08-03	Mid-Ebb	Cloudy	SR5	12:49:03	3.9	Bottom	3	1	25.94	7.94	26.7	78.2	5.47	10.6	14.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR5	12:48:45	3.9	Bottom	3	2	25.98	7.94	26.76	78.1	5.46	10.5	14.7
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10A	13:56:39	1.0	Surface	1	1	25.8	8.21	28.18	83.4	5.86	8.4	17.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10A	13:56:57	1.0	Surface	1	2	25.79	8.22	27.6	83	5.84	8.7	17
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10A	13:56:33	3.3	Middle	2	1	25.71	8.21	28.68	83.5	5.85	8.6	17.9
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10A	13:56:52	3.3	Middle	2	2	25.67	8.21	28.78	82.8	5.81	8.5	18.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10A	13:56:28	5.6	Bottom	3	1	25.85	8.21	28.84	83.8	5.86	8.5	17.7
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10A	13:56:46	5.6	Bottom	3	2	25.8	8.21	28.87	83.3	5.83	8.6	18.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10B	14:05:52	1.0	Surface	1	1	26.02	8.22	27.31	86.5	6.08	7.3	10.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10B	14:06:13	1.0	Surface	1	2	25.96	8.22	27.38	86.8	6.1	7.4	10.5
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10B	14:05:58	4.4	Bottom	3	1	26.05	8.21	28.04	86.9	6.08	7.4	10.8
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	SR10B	14:05:45	4.4	Bottom	3	2	26.03	8.21	28.15	86.2	6.03	7.5	11.5
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS2	11:46:54	1.0	Surface	1	1	26.07	7.8	26.49	88.6	6.19	7.5	10
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS2	11:46:04	1.0	Surface	1	2	26	7.64	26.55	91.9	6.4	7.6	10.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS2	11:45:47	4.0	Middle	2	1	25.69	7.5	27.59	83.9	5.86	7.7	10.1
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS2	11:46:34	4.0	Middle	2	2	25.72	7.74	27.48	80.5	5.61	7.7	10.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS2	11:45:29	7.0	Bottom	3	1	25.69	7.23	28.06	83.2	5.81	7.8	10
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS2	11:46:21	7.0	Bottom	3	2	25.57	7.69	28.13	78.4	5.47	7.9	9.8
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS(Mf)5	13:28:13	1.0	Surface	1	1	26.07	8.23	27.18	82.7	5.81	8.6	8.7
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS(Mf)5	13:27:30	1.0	Surface	1	2	26.03	8.23	27.18	82.5	5.8	8.6	9.3
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS(Mf)5	13:27:15	6.3	Middle	2	1	25.48	8.21	28.96	79.8	5.58	8.8	8.2
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS(Mf)5	13:27:57	6.3	Middle	2	2	25.44	8.21	29	81.3	5.67	8.7	8.9
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS(Mf)5	13:27:46	11.6	Bottom	3	1	25.17	8.19	31.37	79.1	5.56	8.8	8
HKLR	HY/2011/03	2016-08-03	Mid-Ebb	Cloudy	CS(Mf)5	13:27:02	11.6	Bottom	3	2	25.09	8.19	31.46	78.5	5.52	8.8	9.8
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS5	07:32:30	1.0	Surface	1	1	26.17	8.24	26.95	76.7	5.33	7.6	6
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS5	07:32:05	1.0	Surface	1	2	26.17	8.24	26.99	76.8	5.34	7.5	6.1
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS5	07:31:58	4.4	Middle	2	1	26.13	8.24	27.24	76.5	5.31	7.8	6.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS5	07:32:22	4.4	Middle	2	2	26.14	8.24	27.18	76.3	5.3	7.7	5.6
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS5	07:31:51	7.7	Bottom	3	1	26.15	8.24	27.39	77.1	5.35	7.8	7.1
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS5	07:32:14	7.7	Bottom	3	2	26.14	8.23	27.39	76.9	5.33	7.8	8.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS(Mf)6	07:22:32	1.0	Surface	1	1	26.17	8.26	27.17	77.1	5.36	6.1	6.6
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS(Mf)6	07:20:24	1.0	Surface	1	2	26.14	8.25	27.32	76.5	5.31	6.1	6.7
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS(Mf)6	07:22:22	2.5	Bottom	3	1	26.17	8.26	27.31	76.8	5.33	6.2	6.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS(Mf)6	07:20:11	2.5	Bottom	3	2	26.14	8.25	27.31	76.7	5.32	6	6.5
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS7	07:15:48	1.0	Surface	1	1	26.15	8.27	27.12	78.8	5.47	5.7	8.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS7	07:16:01	1.0	Surface	1	2	26.15	8.27	27.1	78.3	5.43	5.8	8.4
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS7	07:15:54	2.2	Bottom	3	1	26.14	8.27	27.21	78.5	5.45	5.8	8.8
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS7	07:15:40	2.2	Bottom	3	2	26.15	8.28	27.13	79.1	5.49	5.7	8.9
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS8	06:42:17	1.0	Surface	1	1	26.21	8.27	27.59	79.5	5.5	5.4	8.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS8	06:42:31	1.0	Surface	1	2	26.22	8.26	27.57	79.3	5.49	5.3	7.7
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS8	06:42:24	3.0	Bottom	3	1	26.21	8.26	27.76	79.5	5.5	5.3	8.3
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS8	06:42:07	3.0	Bottom	3	2	26.17	8.26	27.97	80.2	5.54	5.4	7.7
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS(Mf)9	06:58:50	1.0	Surface	1	1	26.24	8.25	27.47	79.5	5.5	5.2	7.4
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS(Mf)9	06:59:04	1.0	Surface	1	2	26.26	8.25	27.42	79.8	5.52	5.1	7.5
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS(Mf)9	06:58:42	2.7	Bottom	3	1	26.24	8.24	27.62	79.4	5.49	5.3	6.8
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS(Mf)9	06:58:55	2.7	Bottom	3	2	26.25	8.24	27.59	79.7	5.51	5.2	8.1
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS10	06:08:10	1.0	Surface	1	1	26.05	8	22.94	76.7	5.46	10.1	13.3
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS10	06:08:32	1.0	Surface	1	2	26.11	8	22.49	76.9	5.46	10	12.4
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS10	06:08:02	5.5	Middle	2	1	25.98	7.99	23.44	76.6	5.44	10.1	13.7
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS10	06:08:25	5.5	Middle	2	2	25.98	7.99	23.3	76.6	5.46	10.2	13
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS10	06:08:19	10.0	Bottom	3	1	26.05	7.99	23.24	76.6	5.45	10.4	15.5
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	IS10	06:07:50	10.0	Bottom	3	2	25.93	7.97	23.96	76.5	5.44	10.2	14.6

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	2016-08-03	Mid-Flood	Cloudy	SR3	07:41:23	0.7	Middle	2	1	26.19	8.24	26.82	78.1	5.43	5.8	10.5
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR3	07:41:18	0.7	Middle	2	2	26.19	8.24	26.84	78	5.42	5.7	9.1
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR4	06:47:35	1.0	Surface	1	1	26.24	8.25	27.49	79.8	5.52	5.4	6
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR4	06:47:50	1.0	Surface	1	2	26.24	8.25	27.5	79.8	5.52	5.2	6.9
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR4	06:47:41	2.9	Bottom	3	1	26.23	8.25	27.68	79.8	5.52	5.2	7.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR4	06:47:26	2.9	Bottom	3	2	26.24	8.25	27.62	79.7	5.51	5.4	8.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR5	06:13:23	1.0	Surface	1	1	26.26	8.01	21.87	77.9	5.56	10	13.1
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR5	06:13:43	1.0	Surface	1	2	26.15	8	22.52	78.5	5.59	10	13.3
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR5	06:13:09	4.0	Bottom	3	1	25.99	7.98	23.24	77.2	5.49	10.3	12.9
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR5	06:13:31	4.0	Bottom	3	2	26.09	7.99	22.92	78.3	5.57	10.5	13.4
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10A	05:42:14	1.0	Surface	1	1	25.31	8.23	31.5	75.3	5.25	5.1	4.6
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10A	05:41:40	1.0	Surface	1	2	25.04	8.23	32.17	75.1	5.2	5.2	4.6
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10A	05:41:32	3.3	Middle	2	1	24.7	8.22	33.84	74.8	5.18	5.4	6.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10A	05:42:01	3.3	Middle	2	2	24.66	8.21	34.09	74.8	5.17	5.5	6.5
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10A	05:41:48	5.6	Bottom	3	1	24.88	8.21	34.43	73.5	5.11	5.6	6.7
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10A	05:41:24	5.6	Bottom	3	2	24.79	8.21	34.56	74	5.15	5.4	8.3
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10B	05:35:05	1.0	Surface	1	1	25.06	8.23	33.05	76.9	5.32	5.1	6
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10B	05:34:46	1.0	Surface	1	2	25.07	8.24	32.93	77.3	5.37	5.1	5.3
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10B	05:34:38	4.2	Bottom	3	1	24.94	8.23	35	77.2	5.32	5	5.4
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	SR10B	05:34:55	4.2	Bottom	3	2	24.83	8.22	35.11	76.6	5.31	5.4	6.2
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS2	07:30:32	1.0	Surface	1	1	26.21	7.97	21.06	78.1	5.57	7.5	6.8
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS2	07:31:20	1.0	Surface	1	2	26.5	7.99	20.47	81.5	5.84	7.5	7
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS2	07:30:56	4.0	Middle	2	1	26.16	7.97	22.03	78.2	5.57	7.7	6.5
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS2	07:30:26	4.0	Middle	2	2	26.03	7.95	22.56	77.5	5.56	7.7	8.1
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS2	07:30:17	7.0	Bottom	3	1	25.98	7.93	23.02	76.4	5.45	8	7
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS2	07:30:42	7.0	Bottom	3	2	26.15	7.96	22.77	77.4	5.53	7.8	8.5
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS(Mf)5	06:08:46	1.0	Surface	1	1	25.28	8.23	30.44	72.7	5.09	6.9	5.1
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS(Mf)5	06:08:15	1.0	Surface	1	2	25.01	8.22	31.07	72.9	5.09	6.8	6.4
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS(Mf)5	06:08:02	6.2	Middle	2	1	24.39	8.2	34.51	72.3	5.07	7.5	6.3
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS(Mf)5	06:08:35	6.2	Middle	2	2	24.38	8.2	34.43	72.3	5.03	7.8	7.3
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS(Mf)5	06:08:27	11.3	Bottom	3	1	24.48	8.2	34.5	71	4.95	7.8	9
HKLR	HY/2011/03	2016-08-03	Mid-Flood	Cloudy	CS(Mf)5	06:07:54	11.3	Bottom	3	2	24.5	8.2	34.56	71.5	4.98	7.9	9.9
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS5	13:20:29	1.0	Surface	1	1	27.12	8.4	22.46	75.4	5.24	9.6	12.4
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS5	13:20:52	1.0	Surface	1	2	27.1	8.37	22.63	75.4	5.23	9	11.8
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS5	13:20:20	4.3	Middle	2	1	26.76	8.41	22.69	75	5.23	9.6	11
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS5	13:20:45	4.3	Middle	2	2	26.82	8.38	22.81	75.2	5.22	10	13.4
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS5	13:20:37	7.6	Bottom	3	1	27.02	8.39	22.65	74.9	5.22	9.8	12.1
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS5	13:20:14	7.6	Bottom	3	2	26.89	8.42	22.58	74.8	5.22	9.5	13.8
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS(Mf)6	13:27:45	1.0	Surface	1	1	27.36	8.26	23.39	77.4	5.33	9.5	10.5
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS(Mf)6	13:27:28	1.0	Surface	1	2	27.39	8.27	23.33	77.7	5.35	9.6	10.7
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS(Mf)6	13:27:35	2.3	Bottom	3	1	27.11	8.27	23.64	77.2	5.33	9.5	10.1
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS(Mf)6	13:27:17	2.3	Bottom	3	2	27.18	8.28	23.56	77.5	5.35	9.4	11.9
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS7	13:35:10	1.0	Surface	1	1	27.31	8.22	23.57	77.1	5.31	8.9	6.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS7	13:34:53	1.0	Surface	1	2	27.27	8.22	23.59	76.9	5.3	8.9	6.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS7	13:35:01	2.1	Bottom	3	1	27.26	8.22	23.63	76.9	5.3	9.2	7.5
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS7	13:34:45	2.1	Bottom	3	2	27.22	8.23	23.64	76.7	5.29	8.9	6.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS8	14:08:00	1.0	Surface	1	1	27.5	8.14	23.07	73.1	5.07	6.6	4.4
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS8	14:07:41	1.0	Surface	1	2	27.57	8.15	23.09	73.6	5.1	6.3	3.7
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS8	14:07:51	3.4	Bottom	3	1	27.04	8.13	24.15	72.7	5.05	6.6	3.7
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS8	14:07:29	3.4	Bottom	3	2	27.05	8.14	24.15	73.1	5.09	6.6	4.6
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS(Mf)9	13:40:51	1.0	Surface	1	1	27.09	8.22	23.07	73.3	5.12	3.4	3.8
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS(Mf)9	13:41:06	1.0	Surface	1	2	27.16	8.21	22.99	72.9	5.1	3.5	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	2016-08-05	Mid-Ebb	Sunny	IS(Mf)9	13:40:58	2.7	Bottom	3	1	27.03	8.21	23.29	73	5.1	3.5	5.1
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS(Mf)9	13:40:43	2.7	Bottom	3	2	27.01	8.22	23.25	73.3	5.12	3.6	4.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS10	14:32:37	1.0	Surface	1	1	27.67	7.96	23.1	75.1	5.2	3.3	5.6
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS10	14:33:16	1.0	Surface	1	2	27.74	7.95	22.93	75.3	5.21	3.2	6.4
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS10	14:33:06	6.0	Middle	2	1	27.6	7.94	23.28	74.7	5.18	3.4	5.9
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS10	14:32:28	6.0	Middle	2	2	27.53	7.95	23.47	74.4	5.15	3.5	5.9
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS10	14:32:23	10.9	Bottom	3	1	27.65	7.95	23.28	73.6	5.1	3.7	5.1
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	IS10	14:32:58	10.9	Bottom	3	2	27.52	7.93	23.57	73.7	5.1	3.8	5.6
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR3	13:10:43	0.7	Middle	2	1	27.24	8.56	21.35	78.7	5.49	7.1	12.8
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR3	13:10:39	0.7	Middle	2	2	27.21	8.55	21.32	78.9	5.51	7.3	13
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR4	13:56:47	1.0	Surface	1	1	28.24	8.17	19.54	76.2	5.28	5.6	4.4
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR4	13:56:23	1.0	Surface	1	2	27.43	8.16	21.44	74.6	5.18	5.7	5.2
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR4	13:56:35	3.0	Bottom	3	1	27.43	8.14	22.5	75	5.19	5.8	4.5
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR4	13:56:14	3.0	Bottom	3	2	27.26	8.15	22.73	75.8	5.25	5.8	4.6
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR5	14:18:41	1.0	Surface	1	1	27.55	7.95	23.36	78.5	5.48	3.5	4.8
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR5	14:19:00	1.0	Surface	1	2	27.6	7.96	23.21	78.3	5.43	3.6	5.4
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR5	14:18:49	4.6	Bottom	3	1	27.61	7.95	23.35	77.5	5.36	3.7	3.8
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR5	14:18:34	4.6	Bottom	3	2	27.59	7.95	23.4	76.3	5.28	3.8	4.1
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10A	14:57:08	1.0	Surface	1	1	27.32	8.14	23.93	78.3	5.36	4.5	3.8
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10A	14:56:32	1.0	Surface	1	2	27.18	8.14	24.1	77.8	5.33	4.6	4.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10A	14:56:57	3.3	Middle	2	1	26.71	8.13	25.01	77	5.3	5.2	3.7
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10A	14:56:24	3.3	Middle	2	2	26.75	8.13	24.98	77.1	5.27	5.2	5.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10A	14:56:47	5.6	Bottom	3	1	25.77	8.11	27.35	76.7	5.27	5	3.8
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10A	14:56:14	5.6	Bottom	3	2	26.48	8.12	26.67	76.7	5.26	5.1	4.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10B	15:06:09	1.0	Surface	1	1	27.39	8.13	23.82	79	5.43	4.8	3.7
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10B	15:06:24	1.0	Surface	1	2	27.2	8.13	23.94	78.5	5.38	4.7	3.5
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10B	15:06:03	4.0	Bottom	3	1	26.15	8.12	26.76	78	5.33	4.6	4.7
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	SR10B	15:06:15	4.0	Bottom	3	2	27.09	8.12	25.74	77.8	5.29	4.8	5.5
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS2	13:00:45	1.0	Surface	1	1	28	8.06	22.27	77.6	5.37	8.2	3.5
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS2	13:01:15	1.0	Surface	1	2	27.08	8.01	23.89	77.3	5.34	8.2	3.5
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS2	13:00:35	4.2	Middle	2	1	27.83	8.06	22.94	75.8	5.23	8.4	4.2
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS2	13:01:06	4.2	Middle	2	2	26.27	7.99	25.52	76.2	5.24	8.3	5.2
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS2	13:00:57	7.4	Bottom	3	1	25.63	7.96	28.05	74.8	5.14	8.5	5.1
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS2	13:00:22	7.4	Bottom	3	2	25.63	8.03	28.13	74.6	5.15	8.6	3.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS(Mf)5	14:40:27	1.0	Surface	1	1	27.05	8.17	24.25	75.7	5.19	6.5	4.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS(Mf)5	14:40:58	1.0	Surface	1	2	26.94	8.16	24.33	75.2	5.16	6.5	5.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS(Mf)5	14:40:48	5.7	Middle	2	1	25.94	8.15	26.41	75	5.16	6.5	5.3
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS(Mf)5	14:40:15	5.7	Middle	2	2	26.08	8.15	26.44	75.2	5.16	6.6	4.5
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS(Mf)5	14:40:03	10.4	Bottom	3	1	25.55	8.14	28.84	73.3	5.04	6.8	5.7
HKLR	HY/2011/03	2016-08-05	Mid-Ebb	Sunny	CS(Mf)5	14:40:39	10.4	Bottom	3	2	25.6	8.13	27.99	73.5	5.06	6.6	5.9
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS5	08:52:30	1.0	Surface	1	1	26.68	8.09	24.35	71.9	5.03	5.4	5.3
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS5	08:52:02	1.0	Surface	1	2	26.66	8.09	24.34	72.2	5.05	5.4	5.3
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS5	08:52:21	4.4	Middle	2	1	26.58	8.09	24.52	71.9	5.02	5.5	7.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS5	08:51:53	4.4	Middle	2	2	26.56	8.09	24.53	71.7	5.01	5.5	8.2
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS5	08:52:12	7.8	Bottom	3	1	26.61	8.09	24.55	71.2	4.98	5.6	6.7
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS5	08:51:45	7.8	Bottom	3	2	26.61	8.09	24.46	71.4	5	5.5	7.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS(Mf)6	08:40:21	1.0	Surface	1	1	26.7	8.11	24.12	75.2	5.26	4.6	8.6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS(Mf)6	08:40:06	1.0	Surface	1	2	26.69	8.12	24.1	75.7	5.3	4.7	8.6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS(Mf)6	08:39:59	2.3	Bottom	3	1	26.69	8.12	24.14	75.3	5.27	4.8	8.2
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS(Mf)6	08:40:12	2.3	Bottom	3	2	26.69	8.11	24.15	75	5.25	4.6	9
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS7	08:33:46	1.0	Surface	1	1	26.87	8.08	22.58	81.1	5.77	3.7	6.3
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS7	08:33:32	1.0	Surface	1	2	26.86	8.09	22.69	81	5.76	3.6	4.9

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	2016-08-05	Mid-Flood	Sunny	IS7	08:33:22	2.2	Bottom	3	1	26.76	8.08	23.46	80.7	5.73	3.6	5.5
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS7	08:33:37	2.2	Bottom	3	2	26.81	8.08	23.1	80.9	5.75	3.7	6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS8	08:10:55	1.0	Surface	1	1	26.9	8.12	22.58	71.2	5.01	9.4	6.4
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS8	08:10:38	1.0	Surface	1	2	26.87	8.13	22.41	71.9	5.05	9.3	6.3
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS8	08:10:30	2.9	Bottom	3	1	26.77	8.12	23.33	71.5	5.04	9.6	4.9
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS8	08:10:46	2.9	Bottom	3	2	26.84	8.11	22.93	71.1	5	9.5	5.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS(Mf)9	08:28:03	1.0	Surface	1	1	26.87	8.1	22.69	80.4	5.72	3.5	3.7
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS(Mf)9	08:28:19	1.0	Surface	1	2	26.86	8.09	22.65	80.2	5.71	3.5	3
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS(Mf)9	08:28:09	2.7	Bottom	3	1	26.78	8.09	23.65	80.2	5.7	3.7	3.5
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS(Mf)9	08:27:50	2.7	Bottom	3	2	26.77	8.09	23.56	80.4	5.72	3.7	4.7
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS10	08:00:18	1.0	Surface	1	1	26.54	7.93	23.99	76.4	5.37	8.5	5.4
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS10	08:00:53	1.0	Surface	1	2	26.32	7.91	24.77	76.8	5.36	8.3	5.3
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS10	08:00:40	6.1	Middle	2	1	26.13	7.9	25.95	76.3	5.31	8.6	5.9
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS10	08:00:03	6.1	Middle	2	2	26.14	7.9	25.8	75.9	5.31	8.7	5.5
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS10	08:00:31	11.1	Bottom	3	1	26.16	7.89	26.33	75.7	5.29	8.8	5.6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	IS10	07:59:54	11.1	Bottom	3	2	26.12	7.9	26.22	75.7	5.28	8.9	6.4
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR3	09:01:14	0.7	Middle	2	1	26.66	8.08	24.27	73.3	5.13	4.8	4.2
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR3	09:01:21	0.7	Middle	2	2	26.66	8.08	24.26	73.3	5.13	4.8	4.3
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR4	08:17:28	1.0	Surface	1	1	26.86	8.09	22.71	71.4	5.02	9.5	2.8
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR4	08:17:12	1.0	Surface	1	2	26.86	8.1	22.69	71.7	5.05	9.5	3.6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR4	08:17:20	2.7	Bottom	3	1	26.8	8.09	23.08	71.4	5	9.8	2.8
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR4	08:17:05	2.7	Bottom	3	2	26.86	8.09	22.85	71.9	5.04	9.6	3.2
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR5	08:12:55	1.0	Surface	1	1	26.47	7.91	23.53	76.7	5.44	8.6	4.2
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR5	08:12:34	1.0	Surface	1	2	26.69	7.92	22.61	76.9	5.41	8.4	4.5
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR5	08:12:24	4.6	Bottom	3	1	26.36	7.89	25.54	76.4	5.38	8.7	3.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR5	08:12:45	4.6	Bottom	3	2	26.34	7.88	25.69	76.3	5.35	8.8	4.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10A	07:05:18	1.0	Surface	1	1	25.61	8.11	26.99	72	5.12	3	3.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10A	07:05:41	1.0	Surface	1	2	25.61	8.11	27.11	71.9	5.11	3.1	3.6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10A	07:05:11	3.3	Middle	2	1	25.18	8.1	28.39	71.6	5.07	3	3.8
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10A	07:05:33	3.3	Middle	2	2	25.23	8.09	28.61	71.7	5.06	3.3	3.7
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10A	07:05:25	5.5	Bottom	3	1	25.38	8.08	30.12	71.3	5.04	3	4.6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10A	07:05:04	5.5	Bottom	3	2	25.25	8.08	30.54	71.3	5.04	3.1	4.4
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10B	06:53:23	1.0	Surface	1	1	25.74	8.1	27.35	75.8	5.37	2.9	3.2
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10B	06:53:38	1.0	Surface	1	2	25.82	8.1	27.19	75.3	5.33	2.9	3.9
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10B	06:53:29	3.8	Bottom	3	1	25.71	8.09	28.62	75.4	5.31	2.9	3.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	SR10B	06:53:15	3.8	Bottom	3	2	25.72	8.09	28.99	76.2	5.35	3	4.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS2	09:26:56	1.0	Surface	1	1	26.71	7.89	24.4	75.7	5.36	7.3	7.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS2	09:26:04	1.0	Surface	1	2	26.57	7.89	24.62	75.6	5.34	7.2	6.9
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS2	09:26:22	4.3	Middle	2	1	26.28	7.88	25.19	75.1	5.26	7.5	9.6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS2	09:25:46	4.3	Middle	2	2	26.06	7.85	26.3	74.8	5.27	7.4	9.7
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS2	09:25:35	7.5	Bottom	3	1	26.05	7.88	26.37	74.2	5.22	7.6	9.3
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS2	09:26:13	7.5	Bottom	3	2	26.31	7.87	26.18	74.3	5.23	7.7	9.4
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS(Mf)5	07:38:26	1.0	Surface	1	1	25.86	8.15	26.37	80.2	5.76	6.3	4.6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS(Mf)5	07:38:56	1.0	Surface	1	2	26.27	8.15	24.82	80.6	5.76	6.3	4.7
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS(Mf)5	07:38:47	6.1	Middle	2	1	24.77	8.12	29.54	80	5.71	6.4	6
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS(Mf)5	07:38:12	6.1	Middle	2	2	24.6	8.11	30.94	78.5	5.61	6.4	4.5
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS(Mf)5	07:38:37	11.1	Bottom	3	1	24.93	8.1	31.05	78.8	5.67	6.5	4.1
HKLR	HY/2011/03	2016-08-05	Mid-Flood	Sunny	CS(Mf)5	07:38:01	11.1	Bottom	3	2	24.82	8.1	31.14	77.3	5.55	6.5	4.7
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	ISS	15:22:45	1.0	Surface	1	1	28.98	8.46	18.25	93.1	6.55	8.5	8.6
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	ISS	15:22:16	1.0	Surface	1	2	29.34	8.46	17.83	93.2	6.56	8.4	8.6
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	ISS	15:22:08	4.0	Middle	2	1	28.01	8.45	20.56	87.1	6.04	8.5	8.5
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	ISS	15:22:35	4.0	Middle	2	2	28.02	8.46	20.76	90.2	6.27	8.5	8.9

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	2016-08-08	Mid-Ebb	Sunny	IS5	15:21:59	7.0	Bottom	3	1	26.52	8.42	23.44	82.5	5.76	8.6	9.2
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS5	15:22:26	7.0	Bottom	3	2	26.55	8.44	23.73	83	5.78	8.8	8.8
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS(Mf)6	15:29:10	1.0	Surface	1	1	29.12	8.54	19.63	115.8	7.97	6.6	8.4
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS(Mf)6	15:29:21	1.0	Surface	1	2	29.14	8.55	19.56	118.3	8.15	6.6	8.9
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS(Mf)6	15:29:03	2.2	Bottom	3	1	29.09	8.54	19.8	113.9	7.84	6.8	8.4
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS(Mf)6	15:29:14	2.2	Bottom	3	2	29.13	8.54	19.73	117.1	8.06	6.6	8
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS7	15:36:32	1.0	Surface	1	1	29.1	8.52	19.6	114.8	7.91	6.7	8.5
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS7	15:36:19	1.0	Surface	1	2	29.03	8.52	19.78	113.2	7.8	6.5	8.4
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS7	15:36:09	2.2	Bottom	3	1	28.78	8.5	20.73	113.4	7.81	6.6	10
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS7	15:36:24	2.2	Bottom	3	2	29.03	8.51	20.69	114.2	7.83	6.7	8.5
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS8	15:57:29	1.0	Surface	1	1	28.74	8.59	20.94	132.8	9.08	5.2	6.3
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS8	15:57:40	1.0	Surface	1	2	28.93	8.6	20.95	130	8.92	5.2	6.8
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS8	15:57:34	3.2	Bottom	3	1	28.9	8.59	21.04	128.2	8.79	5.3	7.5
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS8	15:57:24	3.2	Bottom	3	2	28.93	8.6	21.61	129.4	8.9	5.2	6.7
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS(Mf)9	15:45:23	1.0	Surface	1	1	29.39	8.64	20.28	128.9	8.88	5.6	7.7
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS(Mf)9	15:45:36	1.0	Surface	1	2	29.54	8.64	20.28	127.9	8.77	5.5	8.4
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS(Mf)9	15:45:29	2.7	Bottom	3	1	29.32	8.63	20.34	123	8.51	5.6	8.6
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS(Mf)9	15:45:18	2.7	Bottom	3	2	29.56	8.63	20.25	122.5	8.41	5.8	7.9
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS10	16:06:27	1.0	Surface	1	1	28.13	8.03	20.36	86.7	5.99	3.2	2.1
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS10	16:06:56	1.0	Surface	1	2	29.64	8.02	19.48	86.9	6.02	3.4	2.2
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS10	16:06:48	5.4	Middle	2	1	27.82	8.03	23.32	86	5.93	3.5	2.6
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS10	16:06:20	5.4	Middle	2	2	27.74	8	22.7	86.3	5.9	3.5	3.1
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS10	16:06:35	9.8	Bottom	3	1	27.51	7.98	23.69	82.6	5.68	3.7	2.3
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	IS10	16:06:10	9.8	Bottom	3	2	27.53	8.01	24.2	81.7	5.68	3.6	2
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR3	15:11:17	0.8	Middle	2	1	29.79	8.46	16.44	130.1	9.02	4.9	6.6
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR3	15:11:23	0.8	Middle	2	2	29.81	8.44	16.48	131.8	9.13	5.1	6
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR4	15:50:28	1.0	Surface	1	1	29.02	8.64	20.77	136.2	9.34	4.9	6.5
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR4	15:50:39	1.0	Surface	1	2	29.07	8.64	20.75	140.5	9.62	4.9	6.3
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR4	15:50:32	2.7	Bottom	3	1	29.09	8.64	20.74	139	9.52	5	7.7
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR4	15:50:22	2.7	Bottom	3	2	29.03	8.64	20.76	130.2	8.94	5	6.4
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR5	15:53:38	1.0	Surface	1	1	29.55	8.11	19.54	90.6	6.24	2.9	1.8
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR5	15:52:58	1.0	Surface	1	2	27.89	8	22.64	91	6.29	3.1	1.8
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR5	15:53:10	4.3	Bottom	3	1	29.58	8.08	19.63	89	6.12	3.3	1.3
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR5	15:52:42	4.3	Bottom	3	2	29.89	8.1	18.36	89.1	6.16	3.5	1.5
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10A	16:59:58	1.0	Surface	1	1	28.87	8.35	19.79	95.2	6.58	2.9	3.2
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10A	16:59:36	1.0	Surface	1	2	28.81	8.35	19.82	94.8	6.55	3.1	3
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10A	16:59:51	3.1	Middle	2	1	28.64	8.35	19.88	94	6.52	3.3	4.5
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10A	16:59:28	3.1	Middle	2	2	28.25	8.34	20.05	93.7	6.53	3.1	5.4
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10A	16:59:23	5.2	Bottom	3	1	27.74	8.32	23.59	95.4	6.58	3.1	4.2
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10A	16:59:45	5.2	Bottom	3	2	28.49	8.33	21.6	93.9	6.46	3.1	4.3
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10B	17:11:10	1.0	Surface	1	1	28.91	8.35	19.81	97.5	6.73	2.9	3.8
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10B	17:11:22	1.0	Surface	1	2	28.91	8.35	19.82	97.5	6.73	2.7	4.2
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10B	17:11:16	4.2	Bottom	3	1	28.91	8.35	19.81	97.5	6.73	2.8	5.1
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	SR10B	17:10:58	4.2	Bottom	3	2	28.91	8.35	19.83	96.8	6.68	2.8	5.2
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS2	14:35:42	1.0	Surface	1	1	29.27	8.08	19.18	93.7	6.34	2.8	2.8
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS2	14:36:09	1.0	Surface	1	2	29.54	8.11	19.44	93.6	6.51	2.9	2.7
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS2	14:35:59	4.1	Middle	2	1	29.23	8.05	19.52	89.6	6.23	3	3.3
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS2	14:35:32	4.1	Middle	2	2	28.99	8.03	18.46	89.7	6.25	3.1	2.9
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS2	14:35:50	7.1	Bottom	3	1	29.26	8.05	22.3	87.2	6	3.3	4.1
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS2	14:35:20	7.1	Bottom	3	2	27.5	7.94	24.47	87.6	6.05	3.4	3.7
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS(Mf)5	16:34:41	1.0	Surface	1	1	28.83	8.39	19.67	85.7	5.88	3.4	3.6
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS(Mf)5	16:35:57	1.0	Surface	1	2	28.88	8.37	19.65	83.7	5.79	3.2	3.8

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	2016-08-08	Mid-Ebb	Sunny	CS(Mf)5	16:34:29	6.1	Middle	2	1	25.82	8.3	27.01	83.8	5.8	3.3	3.3
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS(Mf)5	16:35:36	6.1	Middle	2	2	26.78	8.3	24.85	83.5	5.74	3.5	3.2
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS(Mf)5	16:34:23	11.1	Bottom	3	1	26.09	8.32	29.49	80.4	5.62	3.4	4
HKLR	HY/2011/03	2016-08-08	Mid-Ebb	Sunny	CS(Mf)5	16:34:57	11.1	Bottom	3	2	25.46	8.28	30.02	78.8	5.45	3.5	4.4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS5	10:37:13	1.0	Surface	1	1	28.7	8.28	20.68	89.6	6.2	5.5	3.5
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS5	10:37:42	1.0	Surface	1	2	28.72	8.27	20.74	88.3	6.11	5.3	3.8
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS5	10:37:04	4.4	Middle	2	1	27.57	8.24	22.8	84.4	5.81	5.4	4.2
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS5	10:37:32	4.4	Middle	2	2	27.71	8.23	22.92	85.3	5.88	5.4	5.3
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS5	10:37:22	7.8	Bottom	3	1	27.11	8.24	24.9	78.9	5.46	5.5	5.1
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS5	10:36:54	7.8	Bottom	3	2	27.1	8.24	24.78	79	5.49	5.2	4.9
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS(Mf)6	10:29:53	1.0	Surface	1	1	29.11	8.32	20.48	101.9	7.02	2.8	5.9
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS(Mf)6	10:29:37	1.0	Surface	1	2	28.94	8.3	20.57	99.4	6.86	2.8	4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS(Mf)6	10:29:44	2.2	Bottom	3	1	28.91	8.31	20.63	100.5	6.94	2.9	6.2
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS(Mf)6	10:29:32	2.2	Bottom	3	2	28.89	8.3	20.64	100.6	6.95	2.7	5.4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS7	10:20:56	1.0	Surface	1	1	28.5	8.18	20.08	81.4	5.65	4.3	4.1
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS7	10:20:42	1.0	Surface	1	2	28.45	8.18	20.15	81.2	5.64	4.4	4.2
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS7	10:20:35	2.3	Bottom	3	1	28.44	8.17	20.31	81.1	5.63	4.4	4.6
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS7	10:20:48	2.3	Bottom	3	2	28.45	8.17	20.28	81.2	5.64	4.6	3.3
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS8	09:57:30	1.0	Surface	1	1	28.48	8.19	20.32	80	5.55	11.2	10.2
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS8	09:57:17	1.0	Surface	1	2	28.48	8.2	20.32	80	5.55	11	11.3
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS8	09:57:23	3.1	Bottom	3	1	28.48	8.19	20.49	80.1	5.55	11.7	10.4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS8	09:57:10	3.1	Bottom	3	2	28.48	8.2	20.47	80.1	5.55	11.9	10
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS(Mf)9	10:13:30	1.0	Surface	1	1	28.43	8.19	20.08	81.8	5.68	4.8	3.7
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS(Mf)9	10:13:46	1.0	Surface	1	2	28.44	8.19	20.1	81.5	5.66	4.8	3.6
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS(Mf)9	10:13:38	2.7	Bottom	3	1	28.41	8.18	20.99	81.5	5.64	4.9	4.6
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS(Mf)9	10:13:23	2.7	Bottom	3	2	28.42	8.18	20.98	81.9	5.67	4.7	4.3
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS10	10:00:21	1.0	Surface	1	1	28.83	7.92	18.06	84.6	5.91	2.9	3.7
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS10	10:01:01	1.0	Surface	1	2	28.88	7.92	19.94	84.9	5.92	2.9	3.8
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS10	10:00:48	5.5	Middle	2	1	28.55	7.89	19.08	82.6	5.76	3.4	2.2
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS10	10:00:07	5.5	Middle	2	2	28.52	7.87	20.11	82.1	5.73	3.3	2.8
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS10	09:59:54	9.9	Bottom	3	1	27.96	7.81	22.99	80.2	5.54	3.6	3.2
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	IS10	10:00:38	9.9	Bottom	3	2	28.28	7.84	21.99	81.4	5.63	3.6	3.3
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR3	10:46:28	0.8	Middle	2	1	29.01	8.33	20.61	113.5	7.79	3.3	4.1
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR3	10:46:19	0.8	Middle	2	2	28.98	8.32	20.64	109.9	7.54	3.2	4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR4	10:03:21	1.0	Surface	1	1	28.53	8.18	20.2	80.9	5.61	9.7	9.8
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR4	10:03:34	1.0	Surface	1	2	28.54	8.18	20.18	81.3	5.64	10.4	9.6
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR4	10:03:27	2.7	Bottom	3	1	28.54	8.18	20.23	81.1	5.62	10.6	8.8
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR4	10:03:14	2.7	Bottom	3	2	28.53	8.18	20.3	80.7	5.59	10.5	10.1
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR5	10:11:09	1.0	Surface	1	1	28.79	7.91	18.9	86.4	6.03	2.5	2.1
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR5	10:11:26	1.0	Surface	1	2	28.62	7.9	18.92	86.1	6.02	2.5	2
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR5	10:11:18	4.3	Bottom	3	1	28.61	7.86	21.11	85.5	5.98	2.7	2.5
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR5	10:10:57	4.3	Bottom	3	2	28.61	7.86	19.85	85.4	5.92	2.6	2.7
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10A	09:02:25	1.0	Surface	1	1	27.86	8.29	20.28	79.1	5.5	1.5	2.1
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10A	09:03:05	1.0	Surface	1	2	27.86	8.27	20.1	78.1	5.46	1.5	2.6
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10A	09:02:56	3.3	Middle	2	1	26.96	8.22	24.31	78	5.4	1.5	2.4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10A	09:02:15	3.3	Middle	2	2	26.92	8.24	24.52	78.7	5.46	1.5	3
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10A	09:02:08	5.6	Bottom	3	1	26.96	8.23	25.03	77.1	5.34	1.4	3.3
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10A	09:02:47	5.6	Bottom	3	2	26.85	8.21	25.07	76.2	5.28	1.5	3.9
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10B	08:52:33	1.0	Surface	1	1	27.87	8.36	20.52	81.5	5.68	1.7	2.9
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10B	08:52:17	1.0	Surface	1	2	27.64	8.37	20.69	81.4	5.69	1.8	2.4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10B	08:52:23	3.9	Bottom	3	1	27.71	8.34	24.53	81.2	5.56	1.8	2.7
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	SR10B	08:52:11	3.9	Bottom	3	2	27.9	8.36	24.44	81.4	5.56	1.7	2.9

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	2016-08-08	Mid-Flood	Sunny	CS2	11:28:54	1.0	Surface	1	1	28.43	7.93	19.16	74.9	5.26	3.5	2.4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS2	11:29:23	1.0	Surface	1	2	28.63	7.95	19.54	74.9	5.23	3.4	2.2
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS2	11:29:13	4.1	Middle	2	1	28.12	7.89	20.88	73.8	5.21	3.6	2.5
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS2	11:28:47	4.1	Middle	2	2	28.05	7.86	22.49	73.5	5.22	3.6	2.9
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS2	11:28:32	7.2	Bottom	3	1	27.22	7.79	25.09	73.1	5.16	3.8	2.1
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS2	11:29:03	7.2	Bottom	3	2	28	7.84	24.94	73.4	5.14	3.7	2.8
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS(Mf)5	09:27:05	1.0	Surface	1	1	28.1	8.24	19.85	74.3	5.12	5.1	2.3
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS(Mf)5	09:27:35	1.0	Surface	1	2	28.23	8.25	19.79	74.7	5.2	4.9	2.4
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS(Mf)5	09:26:57	6.3	Middle	2	1	25.56	8.17	27.17	72.5	5.05	5.2	2.9
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS(Mf)5	09:27:24	6.3	Middle	2	2	25.56	8.17	26.87	74.3	5.12	5.1	2.8
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS(Mf)5	09:26:50	11.6	Bottom	3	1	25.29	8.15	30.44	71.9	5.02	5.2	2.8
HKLR	HY/2011/03	2016-08-08	Mid-Flood	Sunny	CS(Mf)5	09:27:17	11.6	Bottom	3	2	25.37	8.16	30.43	71.8	5.02	5.3	2.9
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS5	16:34:51	1.0	Surface	1	1	27.93	8.35	20.3	92.7	6.58	8.2	3.8
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS5	16:34:22	1.0	Surface	1	2	28.11	8.41	19.87	91.5	6.54	8.5	3.9
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS5	16:34:07	4.4	Middle	2	1	26.03	8.3	27.07	89.2	6.34	8.8	4.3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS5	16:34:44	4.4	Middle	2	2	26.09	8.28	27.21	81.2	5.79	8.2	5.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS5	16:33:56	7.7	Bottom	3	1	25.34	8.29	29.7	79.7	5.69	8.8	3.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS5	16:34:32	7.7	Bottom	3	2	25.4	8.3	29.74	80.4	5.77	8.5	4.4
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS(Mf)6	16:40:35	1.0	Surface	1	1	27.96	8.37	20.51	90.5	6.33	4	4.2
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS(Mf)6	16:40:47	1.0	Surface	1	2	27.92	8.36	20.77	89	6.21	3.9	3.5
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS(Mf)6	16:40:41	2.2	Bottom	3	1	27.95	8.35	23.02	90.1	6.21	3.9	3.5
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS(Mf)6	16:40:28	2.2	Bottom	3	2	28.02	8.36	22.96	92.2	6.35	3.9	2.7
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS7	16:46:57	1.0	Surface	1	1	28.09	8.37	20.55	89.3	6.23	3.5	4.2
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS7	16:46:43	1.0	Surface	1	2	28.04	8.36	21.07	88.4	6.15	3.5	3.3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS7	16:46:48	2.3	Bottom	3	1	28.01	8.35	21.75	88.7	6.15	3.5	3.5
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS7	16:46:36	2.3	Bottom	3	2	28.03	8.36	21.4	88.1	6.12	3.6	5
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS8	17:08:05	1.0	Surface	1	1	28.26	8.38	20.6	93.2	6.48	3.7	3.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS8	17:07:52	1.0	Surface	1	2	28.16	8.38	20.74	92.2	6.41	3.8	4.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS8	17:07:46	3.0	Bottom	3	1	28.23	8.35	23.22	93.7	6.42	3.9	2.8
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS8	17:07:58	3.0	Bottom	3	2	28.27	8.36	23.22	93.2	6.38	3.7	4.4
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS(Mf)9	16:55:04	1.0	Surface	1	1	28.38	8.41	20.19	96.4	6.58	3.5	5.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS(Mf)9	16:54:47	1.0	Surface	1	2	28.24	8.39	20.26	93.7	6.52	3.4	4.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS(Mf)9	16:54:39	2.8	Bottom	3	1	28.35	8.36	23.65	92.9	6.34	3.6	5.3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS(Mf)9	16:54:52	2.8	Bottom	3	2	28.38	8.38	23.49	88.5	6.15	3.4	5.5
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS10	17:32:23	1.0	Surface	1	1	27.81	8.06	19.35	81.9	5.6	1.5	3.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS10	17:31:58	1.0	Surface	1	2	27.82	8.05	20.41	81.3	5.7	1.5	3.8
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS10	17:32:17	5.4	Middle	2	1	27.17	8.01	22.29	81.2	5.58	1.7	2.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS10	17:31:51	5.4	Middle	2	2	27.38	8.01	22.69	79.5	5.61	1.6	2.2
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS10	17:32:10	9.8	Bottom	3	1	26.83	7.98	26.76	79.1	5.52	1.8	2.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	IS10	17:31:43	9.8	Bottom	3	2	27.39	7.98	25.29	78.3	5.49	1.8	2.2
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR3	16:21:24	0.7	Middle	2	1	28.14	8.56	19.47	100	7.01	3.6	2.9
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR3	16:21:20	0.7	Middle	2	2	28.15	8.57	19.42	100.2	7.03	3.5	3.5
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR4	17:00:42	1.0	Surface	1	1	28.19	8.38	20.72	92	6.4	3.1	3.2
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR4	17:00:21	1.0	Surface	1	2	28.39	8.4	20.51	97.4	6.76	3.2	2.3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR4	17:00:13	2.8	Bottom	3	1	28.36	8.37	22.54	96.6	6.63	3.1	2.9
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR4	17:00:33	2.8	Bottom	3	2	27.99	8.35	23.68	95.7	6.57	3.2	2.8
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR5	17:16:40	1.0	Surface	1	1	27.46	7.98	23.72	85.2	5.93	1.4	1.3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR5	17:17:03	1.0	Surface	1	2	27.46	7.98	25.03	86.2	6.03	1.4	1.4
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR5	17:16:19	4.1	Bottom	3	1	27.85	8.04	22.19	83.7	5.86	1.9	2.2
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR5	17:16:53	4.1	Bottom	3	2	27.93	8.04	21.38	85	5.86	1.8	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10A	18:11:20	1.0	Surface	1	1	27.85	8.3	21.36	81.1	5.63	1.6	2.8
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10A	18:11:48	1.0	Surface	1	2	27.82	8.3	21.4	81.3	5.67	1.6	2.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10A	18:11:38	3.3	Middle	2	1	27.43	8.27	23.72	81.1	5.56	1.8	3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10A	18:11:09	3.3	Middle	2	2	27.03	8.26	23.99	80.7	5.59	1.7	2.4
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10A	18:11:03	5.6	Bottom	3	1	26.65	8.25	27.11	78.7	5.48	1.8	3.3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10A	18:11:27	5.6	Bottom	3	2	27.64	8.27	25.17	79.6	5.52	1.8	3.4
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10B	18:23:06	1.0	Surface	1	1	27.82	8.3	21.39	82.5	5.75	1.2	2.2
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10B	18:22:49	1.0	Surface	1	2	27.69	8.29	21.44	81.7	5.7	1.1	2.9
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10B	18:22:41	4.1	Bottom	3	1	27.5	8.26	24.4	81.9	5.64	1.2	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	SR10B	18:22:56	4.1	Bottom	3	2	27.62	8.27	24.02	82	5.66	1.1	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS2	16:01:25	1.0	Surface	1	1	28.04	8.04	20.38	83.4	5.86	1.8	3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS2	16:00:45	1.0	Surface	1	2	27.96	8.04	20.22	82.8	5.8	1.9	3.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS2	16:00:34	4.1	Middle	2	1	27.31	7.97	23.18	82.1	5.64	2.1	3.2
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS2	16:01:08	4.1	Middle	2	2	27.26	7.97	24.49	82.8	5.76	2	2.5
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS2	16:00:23	7.2	Bottom	3	1	27.11	7.94	25.83	79.4	5.57	2.2	2.8
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS2	16:00:58	7.2	Bottom	3	2	27.23	7.94	25.76	80.6	5.63	2.2	3.1
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS(Mf)5	17:47:11	1.0	Surface	1	1	27.86	8.32	21.04	81	5.65	2.4	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS(Mf)5	17:47:51	1.0	Surface	1	2	27.93	8.32	21.05	81.1	5.73	2.4	3.3
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS(Mf)5	17:47:38	5.9	Middle	2	1	25.7	8.24	28.52	77.4	5.41	2.5	2.4
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS(Mf)5	17:47:02	5.9	Middle	2	2	25.88	8.24	28.36	78.9	5.58	2.5	2.7
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS(Mf)5	17:46:50	10.7	Bottom	3	1	24.92	8.21	32.48	76.3	5.37	2.5	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Ebb	Rainy	CS(Mf)5	17:47:28	10.7	Bottom	3	2	25.05	8.21	32.13	74.5	5.25	2.6	2.1
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS5	12:52:23	1.0	Surface	1	1	28.16	8.31	20.58	84.4	5.93	6.5	3.7
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS5	12:53:07	1.0	Surface	1	2	28.12	8.31	20.76	83	5.85	6.4	2.7
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS5	12:52:53	4.3	Middle	2	1	26.96	8.23	25.31	78	5.49	6.5	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS5	12:52:10	4.3	Middle	2	2	26.79	8.22	26.24	83.1	5.86	6.4	3.3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS5	12:52:01	7.5	Bottom	3	1	25.39	8.22	29.58	75.7	5.31	6.5	4.1
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS5	12:52:44	7.5	Bottom	3	2	25.26	8.19	29.86	71.8	5.05	6.6	3.8
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS(Mf)6	12:44:11	1.0	Surface	1	1	28.34	8.36	20.18	103.2	7.18	2.5	3.4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS(Mf)6	12:44:24	1.0	Surface	1	2	28.33	8.37	20.15	103.4	7.19	2.5	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS(Mf)6	12:44:04	2.4	Bottom	3	1	28.35	8.36	20.28	103.7	7.21	2.6	2.7
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS(Mf)6	12:44:16	2.4	Bottom	3	2	28.35	8.36	20.33	103.8	7.22	2.5	3.4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS7	12:36:27	1.0	Surface	1	1	28.32	8.32	19.85	95.1	6.63	5.2	4.3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS7	12:36:14	1.0	Surface	1	2	28.33	8.32	19.74	94.5	6.59	5.2	3.9
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS7	12:36:20	2.5	Bottom	3	1	28.35	8.31	21.02	94.5	6.54	5.5	4.2
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS7	12:36:07	2.5	Bottom	3	2	28.34	8.3	21.16	94.1	6.51	5.1	3.5
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS8	12:14:54	1.0	Surface	1	1	28.16	8.27	20.45	86.9	6.06	5.2	2.8
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS8	12:14:41	1.0	Surface	1	2	28.15	8.28	20.31	87.7	6.11	5.2	3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS8	12:14:48	3.0	Bottom	3	1	28.16	8.27	20.67	86.9	6.05	5.2	2.1
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS8	12:14:32	3.0	Bottom	3	2	28.15	8.28	20.56	87.3	6.09	5.1	2.8
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS(Mf)9	12:30:13	1.0	Surface	1	1	28.3	8.32	19.78	95.1	6.63	6.6	2.4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS(Mf)9	12:29:54	1.0	Surface	1	2	28.33	8.31	20.18	95.6	6.65	6.5	2.8
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS(Mf)9	12:30:03	2.7	Bottom	3	1	28.4	8.3	21.21	95.5	6.6	6.7	4.3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS(Mf)9	12:29:47	2.7	Bottom	3	2	28.33	8.3	21.13	95.1	6.58	6.5	4.2
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS10	11:51:26	1.0	Surface	1	1	27.22	7.9	26.39	79.5	5.42	2.5	3.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS10	11:52:11	1.0	Surface	1	2	27.17	7.87	25.6	78.9	5.44	2.6	3.5
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS10	11:51:16	5.5	Middle	2	1	27.58	7.95	22.5	77.1	5.36	2.8	3.7
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS10	11:51:40	5.5	Middle	2	2	27.43	7.94	22.55	77	5.36	2.7	3.4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS10	11:51:06	9.9	Bottom	3	1	26.96	7.9	24.52	75.9	5.28	2.9	3.9
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	IS10	11:51:33	9.9	Bottom	3	2	27.06	7.91	24.26	76.4	5.31	2.9	3.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR3	13:06:48	0.8	Middle	2	1	28.19	8.34	20.66	94	6.54	3.2	4.1
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR3	13:06:43	0.8	Middle	2	2	28.19	8.33	20.69	93.5	6.5	3.3	4.4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR4	12:18:55	1.0	Surface	1	1	28.14	8.26	20.51	85.9	5.98	4.5	3.1
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR4	12:19:08	1.0	Surface	1	2	28.14	8.26	20.49	85.7	5.97	4.4	2.3

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR4	12:18:48	2.7	Bottom	3	1	28.16	8.26	20.72	86.1	5.99	4.5	2.7
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR4	12:19:00	2.7	Bottom	3	2	28.15	8.26	20.7	85.8	5.97	4.6	3.4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR5	12:02:14	1.0	Surface	1	1	27.96	8	18.9	84.8	5.98	2.2	2.9
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR5	12:01:56	1.0	Surface	1	2	27.97	8	19.27	84.6	5.83	2.3	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR5	12:02:06	4.2	Bottom	3	1	27.88	7.95	23.04	83	5.72	2.5	2.7
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR5	12:01:45	4.2	Bottom	3	2	27.65	7.93	23.99	81.2	5.61	2.5	2.1
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10A	11:04:34	1.0	Surface	1	1	27.76	8.26	21.03	85.8	6.07	1.4	4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10A	11:05:03	1.0	Surface	1	2	27.62	8.25	21.37	84.9	5.94	1.4	2.9
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10A	11:04:54	3.2	Middle	2	1	26.96	8.2	25.16	84	5.84	1.5	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10A	11:04:22	3.2	Middle	2	2	27.05	8.21	25.11	85	5.92	1.4	3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10A	11:04:12	5.3	Bottom	3	1	26.54	8.19	27.83	82.6	5.79	1.6	3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10A	11:04:46	5.3	Bottom	3	2	26.86	8.18	27.54	82	5.76	1.6	2.4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10B	10:54:12	1.0	Surface	1	1	27.75	8.29	21.01	85.9	6.08	1.8	2.4
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10B	10:54:39	1.0	Surface	1	2	27.64	8.27	21.36	84.9	6.01	1.8	2.2
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10B	10:54:28	4.3	Bottom	3	1	27.04	8.2	27.31	85.4	5.92	1.9	3.5
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	SR10B	10:53:58	4.3	Bottom	3	2	27.13	8.22	27.59	83.9	5.8	1.8	2.5
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS2	13:15:46	1.0	Surface	1	1	28.18	7.98	18.61	81.3	5.72	2.3	2.2
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS2	13:16:17	1.0	Surface	1	2	28.26	7.99	18.59	81.8	5.75	2.4	2.5
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS2	13:15:37	4.2	Middle	2	1	27.71	7.91	21.67	82	5.61	2.7	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS2	13:16:10	4.2	Middle	2	2	28	7.97	19.16	78.6	5.53	2.6	3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS2	13:15:26	7.3	Bottom	3	1	27.31	7.82	26.27	77.9	5.43	2.8	2.8
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS2	13:15:59	7.3	Bottom	3	2	27.46	7.86	26.62	80.1	5.46	2.8	3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS(Mf)5	11:35:36	1.0	Surface	1	1	27.89	8.28	20.76	79.9	5.65	3.1	2.1
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS(Mf)5	11:34:45	1.0	Surface	1	2	27.9	8.28	20.74	83	5.87	3.2	2.3
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS(Mf)5	11:34:26	6.2	Middle	2	1	26.27	8.19	28.26	79.3	5.53	3.3	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS(Mf)5	11:35:21	6.2	Middle	2	2	26.02	8.18	28.96	78.2	5.45	3.2	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS(Mf)5	11:35:01	11.4	Bottom	3	1	24.89	8.15	32.96	73	5.11	3.3	2.6
HKLR	HY/2011/03	2016-08-10	Mid-Flood	Rainy	CS(Mf)5	11:34:13	11.4	Bottom	3	2	24.9	8.15	32.96	74.6	5.22	3.5	3.6
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS5	09:17:04	1.0	Surface	1	1	27.35	8.21	20.5	73.6	5.16	4.9	2.6
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS5	09:17:34	1.0	Surface	1	2	27.23	8.2	20.79	75.8	5.37	4.7	3.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS5	09:17:24	4.2	Middle	2	1	25.35	8.11	28.41	72.8	5.07	4.8	4.1
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS5	09:16:48	4.2	Middle	2	2	25.29	8.11	28.58	73.1	5.14	4.8	2.9
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS5	09:17:14	7.3	Bottom	3	1	25.24	8.11	29.16	69.2	4.86	4.7	3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS5	09:16:36	7.3	Bottom	3	2	25.23	8.11	29.17	71.4	4.97	4.9	2.4
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS(Mf)6	09:05:05	1.0	Surface	1	1	26.9	8.19	21.73	75.8	5.33	5.4	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS(Mf)6	09:04:52	1.0	Surface	1	2	26.87	8.19	21.71	74.9	5.27	5.5	2.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS(Mf)6	09:04:57	2.3	Bottom	3	1	26.73	8.15	25.26	75.3	5.23	5.4	3.6
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS(Mf)6	09:04:44	2.3	Bottom	3	2	26.52	8.15	25.75	74.8	5.19	5.5	3.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS7	08:57:45	1.0	Surface	1	1	27.26	8.21	21.2	81.6	5.73	3.3	1.4
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS7	08:57:27	1.0	Surface	1	2	27.15	8.22	21.28	82.7	5.81	3.3	1.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS7	08:57:34	2.1	Bottom	3	1	26.9	8.19	24.08	81.7	5.69	3.3	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS7	08:57:21	2.1	Bottom	3	2	27.18	8.21	23.04	83	5.79	3.3	3.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS8	08:30:59	1.0	Surface	1	1	26.95	8.18	22.72	80.7	5.58	5.1	2.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS8	08:31:15	1.0	Surface	1	2	26.88	8.16	22.9	77.6	5.32	5.4	2.4
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS8	08:31:07	3.1	Bottom	3	1	26.78	8.13	27.6	74.1	5.09	5.4	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS8	08:30:52	3.1	Bottom	3	2	26.9	8.15	27.31	72	5.04	5.3	2.4
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS(Mf)9	08:50:38	1.0	Surface	1	1	27.2	8.13	23.44	85.7	5.91	6.4	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS(Mf)9	08:50:25	1.0	Surface	1	2	27.14	8.14	23.21	85	5.91	6.5	3.8
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS(Mf)9	08:50:31	2.6	Bottom	3	1	27.2	8.12	25.01	84.8	5.88	6.5	4
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS(Mf)9	08:50:19	2.6	Bottom	3	2	27.13	8.12	25.69	85.3	5.87	6.4	3.8
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS10	08:05:27	1.0	Surface	1	1	27.66	7.98	20.03	78.9	5.45	1.1	2.9
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS10	08:04:42	1.0	Surface	1	2	27.89	8	19.93	79.5	5.58	1.2	2.8

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS10	08:05:20	5.5	Middle	2	1	27.5	7.95	22.61	76.7	5.4	1.2	2.9
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS10	08:04:29	5.5	Middle	2	2	27.55	7.96	22.18	74.5	5.16	1.3	2.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS10	08:05:00	10.0	Bottom	3	1	26.2	7.88	27.83	74.6	5.2	1.4	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	IS10	08:04:17	10.0	Bottom	3	2	26.14	7.88	27.64	72.4	5.05	1.3	2.9
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR3	09:26:13	0.7	Middle	2	1	27.33	8.2	20.45	80.1	5.64	2.2	2.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR3	09:26:20	0.7	Middle	2	2	27.35	8.2	20.32	82	5.77	2.1	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR4	08:38:26	1.0	Surface	1	1	27.28	8.16	22.63	75.2	5.24	6.4	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR4	08:38:13	1.0	Surface	1	2	27.26	8.17	22.78	74.6	5.15	6.6	2.1
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR4	08:38:06	2.6	Bottom	3	1	27.26	8.15	24.6	70.6	4.88	6.5	2.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR4	08:38:18	2.6	Bottom	3	2	27.24	8.15	24.43	69.8	4.86	6.5	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR5	08:10:33	1.0	Surface	1	1	27.68	7.91	20.53	80	5.55	1.4	3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR5	08:10:54	1.0	Surface	1	2	27.59	7.96	20.52	84.6	5.89	1.4	3.7
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR5	08:10:25	4.0	Bottom	3	1	26.17	7.81	27.61	79.8	5.6	1.4	3.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR5	08:10:42	4.0	Bottom	3	2	26.45	7.87	25.92	72.8	5.12	1.5	2.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10A	07:23:57	1.0	Surface	1	1	27.06	8.22	23.3	73.8	5.16	1.6	4.1
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10A	07:23:16	1.0	Surface	1	2	26.95	8.22	23.34	72.9	5.08	1.6	2.9
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10A	07:23:07	3.3	Middle	2	1	26.63	8.19	25.62	72.2	5.06	1.5	3.9
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10A	07:23:37	3.3	Middle	2	2	26.71	8.19	25.43	72.4	5.01	1.6	2.1
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10A	07:23:24	5.6	Bottom	3	1	26.81	8.19	25.65	71.5	4.96	1.7	2.8
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10A	07:23:01	5.6	Bottom	3	2	26.81	8.19	25.71	71.8	4.98	1.6	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10B	07:11:25	1.0	Surface	1	1	26.97	8.24	23.2	74.5	5.21	1.6	2.6
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10B	07:11:39	1.0	Surface	1	2	26.93	8.23	23.43	74.3	5.2	1.5	3.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10B	07:11:32	3.9	Bottom	3	1	26.94	8.22	25.59	74.4	5.15	1.5	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	SR10B	07:11:17	3.9	Bottom	3	2	26.84	8.22	25.62	74.5	5.16	1.6	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS2	09:11:27	1.0	Surface	1	1	27.83	7.98	12.13	80.3	5.79	1	3.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS2	09:11:03	1.0	Surface	1	2	27.88	7.99	13.6	78.5	5.71	1.1	2.9
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS2	09:10:58	4.0	Middle	2	1	27.7	7.94	17.18	77.1	5.47	1.3	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS2	09:11:22	4.0	Middle	2	2	27.68	7.91	17.98	79.1	5.66	1.3	2.6
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS2	09:11:14	7.0	Bottom	3	1	27.54	7.89	20.2	78.9	5.63	1.4	3.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS2	09:10:47	7.0	Bottom	3	2	27.37	7.87	20.76	76.5	5.44	1.3	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS(Mf)5	07:57:02	1.0	Surface	1	1	27	8.22	23.29	82	5.72	2.8	2.9
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS(Mf)5	07:57:48	1.0	Surface	1	2	26.76	8.22	23.32	78.2	5.48	2.8	3.1
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS(Mf)5	07:56:44	6.2	Middle	2	1	26.12	8.17	26.02	79.9	5.51	3.5	4.2
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS(Mf)5	07:57:39	6.2	Middle	2	2	26.47	8.19	25.75	76.9	5.28	3.4	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS(Mf)5	07:57:25	11.3	Bottom	3	1	25.1	8.13	32.64	75.6	5.25	3.4	2.6
HKLR	HY/2011/03	2016-08-12	Mid-Ebb	Rainy	CS(Mf)5	07:56:36	11.3	Bottom	3	2	24.96	8.15	32.1	75.8	5.29	3.6	3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS5	14:00:07	1.0	Surface	1	1	27.43	8.25	21.47	81.2	5.66	3.3	3.9
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS5	14:00:41	1.0	Surface	1	2	27.54	8.24	21.2	82.9	5.78	3.4	4.3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS5	13:59:54	4.3	Middle	2	1	25.66	8.18	26.85	79.2	5.52	3.4	3.9
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS5	14:00:26	4.3	Middle	2	2	25.49	8.17	27.38	81	5.65	3.5	3.1
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS5	13:59:41	7.5	Bottom	3	1	25.24	8.18	28.15	74.1	5.16	3.3	4
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS5	14:00:17	7.5	Bottom	3	2	25.26	8.17	28.18	75.4	5.26	3.5	3.1
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS(Mf)6	14:07:38	1.0	Surface	1	1	27.46	8.22	21.86	84.8	5.92	2.2	2.4
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS(Mf)6	14:07:23	1.0	Surface	1	2	27.4	8.22	22.14	85.6	5.97	2.1	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS(Mf)6	14:07:30	2.3	Bottom	3	1	27.34	8.21	22.75	85.1	5.92	2.2	2.4
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS(Mf)6	14:07:16	2.3	Bottom	3	2	27.39	8.22	22.86	86.7	6.03	2.1	3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS7	14:16:44	1.0	Surface	1	1	27.38	8.2	22.15	86.8	6.05	3.4	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS7	14:16:59	1.0	Surface	1	2	27.42	8.2	22.01	84.6	5.89	3.5	2.8
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS7	14:16:34	2.2	Bottom	3	1	27.28	8.19	22.78	85.2	5.95	3.5	2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS7	14:16:50	2.2	Bottom	3	2	27.32	8.19	22.94	84.2	5.87	3.5	3.1
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS8	14:39:26	1.0	Surface	1	1	27.72	8.24	20.88	76.3	5.34	8.4	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS8	14:39:07	1.0	Surface	1	2	27.64	8.24	21.12	74.2	5.19	8.5	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	2016-08-12	Mid-Flood	Fine	IS8	14:38:57	2.9	Bottom	3	1	27.4	8.21	23	74.1	5.16	8.6	2.6
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS8	14:39:15	2.9	Bottom	3	2	27.52	8.22	22.78	75.3	5.23	8.5	3.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS(Mf)9	14:23:07	1.0	Surface	1	1	27.29	8.2	22.57	79	5.5	2.3	3.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS(Mf)9	14:22:38	1.0	Surface	1	2	27.5	8.22	22.49	83.7	5.82	2.3	3.6
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS(Mf)9	14:22:27	2.8	Bottom	3	1	27.27	8.2	23.49	82.8	5.75	2.4	3.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS(Mf)9	14:22:55	2.8	Bottom	3	2	26.73	8.17	24.53	78.8	5.49	2.3	3.7
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS10	14:35:16	1.0	Surface	1	1	28.27	8	9.33	82.4	6.07	2.2	0.8
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS10	14:34:52	1.0	Surface	1	2	28.36	8	9.17	81.1	5.99	2.2	0.9
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS10	14:34:39	5.6	Middle	2	1	27.25	7.81	16.01	80.4	5.68	2.3	0.8
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS10	14:35:04	5.6	Middle	2	2	27.36	7.82	17.72	82	5.82	2.2	0.8
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS10	14:34:32	10.1	Bottom	3	1	27.26	7.84	20.59	76.9	5.58	2.3	1
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	IS10	14:34:58	10.1	Bottom	3	2	27.41	7.86	20.17	79.2	5.68	2.3	1.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR3	13:51:52	0.8	Middle	2	1	27.48	8.34	21.43	73.5	5.15	1.6	2.6
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR3	13:51:44	0.8	Middle	2	2	27.52	8.35	21.25	73.7	5.17	1.6	3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR4	14:30:35	1.0	Surface	1	1	27.95	8.24	19.86	71.9	5.04	4.4	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR4	14:30:17	1.0	Surface	1	2	27.7	8.23	20.38	74.6	5.18	4.5	2.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR4	14:30:11	2.6	Bottom	3	1	27.44	8.2	23.36	72.8	5.12	4.4	3.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR4	14:30:26	2.6	Bottom	3	2	27.37	8.18	24.24	72	4.98	4.4	4.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR5	14:29:27	1.0	Surface	1	1	28.7	8	9.58	84.6	6.2	2.3	1
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR5	14:29:46	1.0	Surface	1	2	28.85	8	8.82	84.8	6.21	2.3	1.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR5	14:29:12	4.0	Bottom	3	1	27.33	7.78	19.08	81.5	5.8	2.3	3.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR5	14:29:33	4.0	Bottom	3	2	27.53	7.86	19.32	84.6	6.01	2.5	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10A	15:51:34	1.0	Surface	1	1	28	8.29	20.47	78.7	5.43	1.7	3.9
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10A	15:52:05	1.0	Surface	1	2	27.93	8.29	20.66	76.7	5.36	1.6	3.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10A	15:51:53	3.3	Middle	2	1	26.83	8.24	25.52	76.1	5.28	1.6	4
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10A	15:51:24	3.3	Middle	2	2	26.86	8.24	26.26	76.9	5.37	1.7	3.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10A	15:51:15	5.5	Bottom	3	1	25.95	8.23	28.67	74	5.1	1.8	2.3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10A	15:51:44	5.5	Bottom	3	2	25.53	8.2	29.03	72	4.99	1.8	3.4
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10B	16:00:15	1.0	Surface	1	1	26.96	8.27	22.06	77.7	5.46	1.1	1.6
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10B	16:00:30	1.0	Surface	1	2	26.96	8.26	22.08	77.1	5.39	1.1	1.7
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10B	16:00:22	4.2	Bottom	3	1	26.96	8.23	26.73	76.5	5.3	1.1	3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	SR10B	16:00:07	4.2	Bottom	3	2	27.18	8.24	26.41	77.4	5.32	1.1	2.6
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS2	13:47:17	1.0	Surface	1	1	28.86	8.16	11.8	82.8	5.98	2.4	2.1
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS2	13:46:27	1.0	Surface	1	2	28.87	8.2	11.85	85.7	5.92	2.2	2.1
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS2	13:47:02	4.0	Middle	2	1	27.21	7.9	19.12	82.3	5.59	2.4	3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS2	13:46:14	4.0	Middle	2	2	27.39	7.94	22.06	75.8	5.3	2.2	3.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS2	13:45:49	7.0	Bottom	3	1	25.6	7.76	30.68	73.2	5.29	2.4	3.3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS2	13:46:37	7.0	Bottom	3	2	26.42	7.95	30.15	69.8	5.01	2.5	4.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS(Mf)5	15:23:55	1.0	Surface	1	1	27.87	8.29	20.51	79.3	5.48	2.2	1.2
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS(Mf)5	15:23:23	1.0	Surface	1	2	27.4	8.28	21.57	79.2	5.47	2.1	1.3
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS(Mf)5	15:23:45	6.4	Middle	2	1	25.06	8.2	29.9	77.4	5.4	2.4	1.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS(Mf)5	15:23:14	6.4	Middle	2	2	25.16	8.21	29.18	75.8	5.3	2.3	1.5
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS(Mf)5	15:23:34	11.7	Bottom	3	1	24.88	8.2	31.66	73.4	5.1	2.3	1.8
HKLR	HY/2011/03	2016-08-12	Mid-Flood	Fine	CS(Mf)5	15:23:04	11.7	Bottom	3	2	24.96	8.19	31.74	73.6	5.12	2.3	1.6
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	ISS	12:11:25	1.0	Surface	1	1	27.31	8.28	22.54	82.4	5.58	8.2	4.9
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	ISS	12:10:56	1.0	Surface	1	2	27.29	8.29	22.02	81.8	5.55	8.2	5.4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	ISS	12:10:47	4.1	Middle	2	1	25.74	8.22	28.28	80.8	5.49	11.8	3.8
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	ISS	12:11:14	4.1	Middle	2	2	25.35	8.21	28.99	75.7	5.14	11.4	4.7
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	ISS	12:10:38	7.1	Bottom	3	1	25.3	8.22	29.39	77.4	5.27	11.4	5.5
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	ISS	12:11:04	7.1	Bottom	3	2	25.45	8.24	29.32	74.2	5.02	11.5	4.9
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS(Mf)6	12:02:51	1.0	Surface	1	1	26.89	8.29	23.86	75.3	5.26	4.6	6.2
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS(Mf)6	12:03:04	1.0	Surface	1	2	26.31	8.25	25.63	74.7	5.22	4.8	6.1

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	2016-08-15	Mid-Ebb	Cloudy	IS(Mf)6	12:02:42	2.1	Bottom	3	1	26.95	8.28	25.52	76.9	5.32	4.6	4.3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS(Mf)6	12:02:57	2.1	Bottom	3	2	26.47	8.25	27.78	73.4	5.05	4.8	5
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS7	11:53:26	1.0	Surface	1	1	26.48	8.21	25.22	75.1	5.08	4.4	4.7
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS7	11:53:15	1.0	Surface	1	2	26.44	8.21	25.28	77.6	5.24	4.8	4.9
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS7	11:53:20	2.2	Bottom	3	1	26.47	8.2	26.18	74.4	5.05	4.8	5.5
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS7	11:53:08	2.2	Bottom	3	2	26.47	8.2	26.51	75.3	5.11	4.7	5.5
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS8	11:31:33	1.0	Surface	1	1	26.89	8.28	24.8	88.3	5.99	4	5.1
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS8	11:31:50	1.0	Surface	1	2	26.68	8.25	25.24	91.3	6.17	4.1	5.5
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS8	11:31:43	2.8	Bottom	3	1	26.8	8.25	27.34	77.8	5.27	4.1	6.2
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS8	11:31:26	2.8	Bottom	3	2	26.84	8.27	26.08	80.9	5.43	4	7.9
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS(Mf)9	11:43:32	1.0	Surface	1	1	26.55	8.24	25.07	81	5.51	4.9	5.3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS(Mf)9	11:43:53	1.0	Surface	1	2	26.29	8.21	25.44	83.9	5.66	4.8	3.4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS(Mf)9	11:43:46	2.6	Bottom	3	1	26.26	8.2	27.73	81.2	5.48	4.8	4.6
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS(Mf)9	11:43:25	2.6	Bottom	3	2	26.71	8.24	27.56	84.5	5.67	4.8	4.7
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS10	10:28:44	1.0	Surface	1	1	26.35	7.93	25.71	74.8	5.34	3.2	4.4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS10	10:28:11	1.0	Surface	1	2	26.35	7.92	25.56	74.4	5.31	3.3	4.3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS10	10:28:34	5.6	Middle	2	1	26.23	7.9	28.03	73.1	5.21	3.4	4.2
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS10	10:28:02	5.6	Middle	2	2	26.33	7.89	27.84	72.9	5.2	3.4	3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS10	10:28:22	10.2	Bottom	3	1	26.65	7.94	24.78	72.2	5.15	3.8	3.5
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	IS10	10:27:30	10.2	Bottom	3	2	26.72	7.96	24.37	71.7	5.12	3.7	5.4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR3	12:21:24	0.7	Middle	2	1	27.72	8.35	21.75	95.9	6.68	3.9	4.2
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR3	12:21:16	0.7	Middle	2	2	27.73	8.34	21.68	94.6	6.59	3.9	5
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR4	11:36:51	1.0	Surface	1	1	26.92	8.23	24.32	75.9	5.14	4	5.3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR4	11:37:07	1.0	Surface	1	2	26.79	8.22	24.43	76.2	5.17	4	5.9
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR4	11:36:45	2.6	Bottom	3	1	26.84	8.22	25.54	75.3	5.08	4.2	4.8
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR4	11:37:00	2.6	Bottom	3	2	26.88	8.22	25.63	77.5	5.22	4.2	6.2
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR5	10:39:03	1.0	Surface	1	1	26.59	7.93	25.05	73	5.21	3.1	3.6
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR5	10:39:22	1.0	Surface	1	2	26.61	7.93	25.07	73.7	5.26	3.2	4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR5	10:38:56	4.2	Bottom	3	1	26.61	7.92	25.25	72.2	5.15	3.5	2.7
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR5	10:39:14	4.2	Bottom	3	2	26.65	7.93	25.62	72.4	5.17	3.4	3.8
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10A	10:12:54	1.0	Surface	1	1	26.67	8.29	25.46	77.6	5.39	2.8	2.4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10A	10:12:24	1.0	Surface	1	2	26.62	8.28	25.43	78.2	5.33	2.8	2.7
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10A	10:12:43	3.3	Middle	2	1	26.32	8.26	27.46	77.9	5.32	2.9	3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10A	10:12:16	3.3	Middle	2	2	26.22	8.25	27.58	75.9	5.28	3.1	4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10A	10:12:07	5.5	Bottom	3	1	26.3	8.24	29.92	74.4	5.15	3.1	4.6
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10A	10:12:31	5.5	Bottom	3	2	26.36	8.25	29.66	74.5	5.15	3.1	3.7
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10B	10:03:38	1.0	Surface	1	1	26.56	8.28	26.2	75.9	5.26	2.9	3.2
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10B	10:03:18	1.0	Surface	1	2	26.41	8.27	26.49	76.6	5.31	2.8	2.3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10B	10:03:11	4.0	Bottom	3	1	26.31	8.24	29.63	78.2	5.34	2.7	3.4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	SR10B	10:03:27	4.0	Bottom	3	2	26.2	8.24	29.82	76.9	5.25	2.8	3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS2	12:00:11	1.0	Surface	1	1	27.56	8.11	21.82	99.2	6.92	2.3	3.1
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS2	12:00:40	1.0	Surface	1	2	27.6	8.13	21.86	98.7	6.89	2.1	3.4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS2	12:00:00	4.0	Middle	2	1	27.29	8.08	23	96.9	6.77	2.5	4.4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS2	12:00:33	4.0	Middle	2	2	27.46	8.12	21.97	97.7	6.79	2.4	3.5
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS2	11:59:48	7.0	Bottom	3	1	27.1	8.04	24.11	96.2	6.69	2.7	4.1
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS2	12:00:24	7.0	Bottom	3	2	27.33	8.09	23.42	95.6	6.68	2.8	4.6
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS(Mf)5	10:51:55	1.0	Surface	1	1	26.23	8.28	25.28	76.1	5.18	3.6	4
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS(Mf)5	10:52:31	1.0	Surface	1	2	26.81	8.29	24.8	76.2	5.23	3.6	4.6
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS(Mf)5	10:52:18	6.0	Middle	2	1	25.21	8.23	29.15	75.4	5.13	4.7	5.3
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS(Mf)5	10:51:47	6.0	Middle	2	2	25.25	8.23	29.22	72.9	5.04	4.6	5.1
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS(Mf)5	10:52:08	10.9	Bottom	3	1	24.79	8.21	32.66	70.8	4.87	4.8	5.2
HKLR	HY/2011/03	2016-08-15	Mid-Ebb	Cloudy	CS(Mf)5	10:51:39	10.9	Bottom	3	2	24.85	8.21	32.65	72.3	4.97	4.5	5.1

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	2016-08-15	Mid-Flood	Cloudy	IS5	17:02:21	1.0	Surface	1	1	27.27	8.22	23.35	87.2	6.04	6.4	5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS5	17:01:56	1.0	Surface	1	2	27.24	8.2	23.46	88.2	6.11	6.5	5.5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS5	17:02:11	4.3	Middle	2	1	26.1	8.15	26.62	81.6	5.63	6.4	6.3
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS5	17:01:47	4.3	Middle	2	2	26.28	8.13	26.73	76.2	5.27	6.6	5.6
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS5	17:01:35	7.5	Bottom	3	1	25.8	8.13	28.84	70.5	4.89	6.5	6
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS5	17:02:04	7.5	Bottom	3	2	26.01	8.17	28.64	70.8	4.93	6.4	5.5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS(Mf)6	17:12:46	1.0	Surface	1	1	27.87	8.44	22.5	114.7	7.94	3.2	4.5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS(Mf)6	17:12:34	1.0	Surface	1	2	27.68	8.4	22.79	110.2	7.64	3.2	4.9
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS(Mf)6	17:12:39	2.2	Bottom	3	1	27.62	8.4	24.62	112.7	7.74	3.2	5.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS(Mf)6	17:12:28	2.2	Bottom	3	2	27.43	8.38	24.36	109.5	7.56	3.3	5.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS7	17:18:54	1.0	Surface	1	1	27.44	8.44	23.62	108.9	7.54	3.8	5.8
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS7	17:18:43	1.0	Surface	1	2	27.39	8.44	23.1	110.4	7.68	3.8	5.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS7	17:18:48	2.4	Bottom	3	1	27.42	8.43	24.75	110.8	7.63	3.8	4.1
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS7	17:18:38	2.4	Bottom	3	2	27.59	8.43	24.8	111.5	7.66	3.8	4.9
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS8	17:43:59	1.0	Surface	1	1	27.44	8.48	23.81	108.4	7.5	11.4	7.8
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS8	17:43:43	1.0	Surface	1	2	27.22	8.45	23.88	102.2	7.1	11.2	7.9
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS8	17:43:36	2.9	Bottom	3	1	27.14	8.44	25.13	105.7	7.3	11.2	9.5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS8	17:43:47	2.9	Bottom	3	2	27.31	8.45	25.04	103.8	7.15	11.2	9.5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS(Mf)9	17:27:21	1.0	Surface	1	1	27.28	8.43	24.15	99.3	6.88	11.8	14.9
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS(Mf)9	17:27:06	1.0	Surface	1	2	27.33	8.44	24.19	99.3	6.87	11.7	15.1
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS(Mf)9	17:27:12	2.7	Bottom	3	1	27.21	8.43	24.65	100.4	6.94	11.4	14.5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS(Mf)9	17:26:59	2.7	Bottom	3	2	27.31	8.43	24.29	97.8	6.76	11.5	15.7
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS10	18:41:26	1.0	Surface	1	1	27.25	8.15	21.09	93.1	6.4	4.1	3.5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS10	18:41:51	1.0	Surface	1	2	27.48	8.18	20.81	92.8	6.39	4.3	3.3
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS10	18:41:17	5.7	Middle	2	1	26.97	8.12	23.5	88.5	6.24	4.4	2.9
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS10	18:41:44	5.7	Middle	2	2	27.15	8.14	23.23	88.8	6.21	4.6	3.1
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS10	18:41:10	10.3	Bottom	3	1	27.26	8.12	26.28	85.2	5.99	4.8	3.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	IS10	18:41:34	10.3	Bottom	3	2	27.08	8.11	26.09	86.5	6.06	4.7	3.7
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR3	16:51:07	0.9	Middle	2	1	27.59	8.11	23.41	113.9	7.88	3.2	5.9
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR3	16:51:00	0.9	Middle	2	2	27.57	8.07	23.51	112.4	7.78	3.1	6.7
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR4	17:38:20	1.0	Surface	1	1	27.19	8.44	23.98	103.4	7.18	11.3	8.7
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR4	17:38:35	1.0	Surface	1	2	27.31	8.45	23.8	103.9	7.2	11.5	8.1
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR4	17:38:15	2.6	Bottom	3	1	27.17	8.43	24.94	105.2	7.27	11.1	8.3
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR4	17:38:27	2.6	Bottom	3	2	27.16	8.43	24.98	104.4	7.21	11.4	8.3
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR5	18:31:41	1.0	Surface	1	1	27.56	8.18	21.15	98.9	6.82	4.2	2.3
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR5	18:31:12	1.0	Surface	1	2	27.56	8.18	21.32	98.5	6.84	4.1	2.9
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR5	18:31:22	4.2	Bottom	3	1	26.9	8.1	25.93	95.2	6.67	4.8	3.7
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR5	18:31:00	4.2	Bottom	3	2	27.14	8.11	25.67	95.9	6.71	4.7	3.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10A	18:57:41	1.0	Surface	1	1	26.95	8.36	23.87	84.4	5.8	3.1	4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10A	18:58:11	1.0	Surface	1	2	26.92	8.36	24.06	81.4	5.66	3.2	3.2
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10A	18:58:00	3.3	Middle	2	1	26.47	8.31	27.15	80.1	5.53	3.1	5.5
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10A	18:57:30	3.3	Middle	2	2	26.53	8.31	27.1	80.7	5.63	3.3	5.3
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10A	18:57:50	5.5	Bottom	3	1	25.57	8.3	29.96	72.9	5.04	3.3	5.3
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10A	18:57:20	5.5	Bottom	3	2	25.2	8.26	30.51	72.7	5.03	3.3	5.2
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10B	19:06:31	1.0	Surface	1	1	26.77	8.36	24.73	84.1	5.86	2.9	4.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10B	19:06:11	1.0	Surface	1	2	26.37	8.34	25	80.4	5.63	3	4.8
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10B	19:06:18	4.0	Bottom	3	1	26.35	8.32	27.49	81.4	5.62	3	5.1
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	SR10B	19:06:06	4.0	Bottom	3	2	26.51	8.33	27.16	79.8	5.51	3	6.1
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS2	17:15:16	1.0	Surface	1	1	27.32	8.11	21.87	90.6	6.36	4.2	4.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS2	17:14:46	1.0	Surface	1	2	27.56	8.13	21.1	90.5	6.35	4.4	4.7
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS2	17:15:08	4.0	Middle	2	1	26.94	8.08	23.23	88.7	6.19	4.6	5.3
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS2	17:14:34	4.0	Middle	2	2	27.28	8.09	22.86	89.5	6.21	4.8	4.9

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	2016-08-15	Mid-Flood	Cloudy	CS2	17:15:00	7.0	Bottom	3	1	26.26	8.03	27.06	83.6	5.86	4.8	6.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS2	17:14:21	7.0	Bottom	3	2	26.95	8.06	25.08	82.9	5.85	4.9	5.9
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS(Mf)5	18:28:07	1.0	Surface	1	1	27.09	8.34	23.85	93.7	6.34	5.6	4.6
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS(Mf)5	18:28:49	1.0	Surface	1	2	26.96	8.32	23.89	89	6.02	5.5	4.7
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS(Mf)5	18:28:38	5.8	Middle	2	1	25.02	8.24	30.89	82.8	5.63	5.2	4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS(Mf)5	18:27:44	5.8	Middle	2	2	25.07	8.23	31.04	83.3	5.66	5.5	4.4
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS(Mf)5	18:28:21	10.5	Bottom	3	1	24.74	8.25	32.17	79.5	5.37	5.2	4.8
HKLR	HY/2011/03	2016-08-15	Mid-Flood	Cloudy	CS(Mf)5	18:27:30	10.5	Bottom	3	2	24.82	8.24	31.87	79.6	5.37	5.5	6.1
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS5	13:13:00	1.0	Surface	1	1	26.38	8.26	25.37	75.6	5.22	5.2	8.6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS5	13:13:16	1.0	Surface	1	2	26.28	8.25	26.17	75.4	5.2	5.2	8.8
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS5	13:12:54	4.2	Middle	2	1	26.35	8.26	25.9	73.3	5.11	5.4	8.4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS5	13:13:11	4.2	Middle	2	2	26.27	8.25	26.37	73.2	5.1	5.6	8.3
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS5	13:13:07	7.4	Bottom	3	1	26.36	8.26	26.3	73.1	5.1	5.9	9
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS5	13:12:51	7.4	Bottom	3	2	26.39	8.26	25.66	73.1	5.09	5.7	8
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS(Mf)6	13:07:42	1.0	Surface	1	1	26.4	8.27	25.77	75.8	5.23	5.1	8.1
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS(Mf)6	13:07:14	1.0	Surface	1	2	26.32	8.27	26.09	76.1	5.25	5.2	9.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS(Mf)6	13:07:22	2.2	Bottom	3	1	26.32	8.27	26	74.5	5.19	5.4	8.8
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS(Mf)6	13:07:10	2.2	Bottom	3	2	26.32	8.27	26.05	73.8	5.14	5.5	9.5
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS7	13:00:56	1.0	Surface	1	1	26.46	8.31	25.35	78.3	5.49	5.2	8.8
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS7	13:01:12	1.0	Surface	1	2	26.38	8.29	25.79	82.9	5.77	5.3	8.7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS7	13:01:04	2.3	Bottom	3	1	26.37	8.29	26.03	77.2	5.37	5.5	10.6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS7	13:00:50	2.3	Bottom	3	2	26.41	8.29	25.96	76.7	5.35	5.6	11.1
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS8	12:35:38	1.0	Surface	1	1	26.25	8.29	25.56	84.6	5.89	5.2	7.6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS8	12:35:51	1.0	Surface	1	2	26.45	8.29	25.41	82.7	5.73	5.3	7.7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS8	12:35:32	2.7	Bottom	3	1	26.48	8.29	26.48	76.5	5.34	5.6	7.6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS8	12:35:46	2.7	Bottom	3	2	26.67	8.3	26.01	78.2	5.42	5.7	8.3
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS(Mf)9	12:51:33	1.0	Surface	1	1	26.7	8.29	25.31	81.6	5.67	4.3	6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS(Mf)9	12:51:17	1.0	Surface	1	2	26.68	8.29	25.34	82.2	5.71	4.4	6.5
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS(Mf)9	12:51:23	2.6	Bottom	3	1	26.73	8.29	25.36	78.4	5.42	4.6	7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS(Mf)9	12:51:12	2.6	Bottom	3	2	26.75	8.29	25.25	79.7	5.54	4.5	6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS10	12:18:57	1.0	Surface	1	1	26.43	7.97	27.31	82.9	5.77	4.2	4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS10	12:19:28	1.0	Surface	1	2	26.26	7.97	27.53	84	5.84	4.2	4.6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS10	12:18:46	5.3	Middle	2	1	25.94	7.97	28.22	82.9	5.76	4.1	5.9
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS10	12:19:19	5.3	Middle	2	2	25.92	7.96	28.28	81.5	5.66	4.5	5.8
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS10	12:18:37	9.6	Bottom	3	1	25.93	7.96	28.5	80.2	5.58	4.2	6.4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	IS10	12:19:08	9.6	Bottom	3	2	26.01	7.96	28.33	80.3	5.59	4.3	5.3
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR3	13:17:28	0.7	Middle	2	1	26.75	8.42	25.24	76.9	5.31	5.4	11.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR3	13:17:35	0.7	Middle	2	2	26.76	8.41	25.25	76.5	5.28	5.4	11.7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR4	12:43:08	1.0	Surface	1	1	26.7	8.29	25.33	79.1	5.49	5.2	7.4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR4	12:43:23	1.0	Surface	1	2	26.64	8.29	25.39	79.2	5.51	5.1	7.4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR4	12:43:00	2.7	Bottom	3	1	26.44	8.28	25.58	77	5.35	5.7	6.4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR4	12:43:14	2.7	Bottom	3	2	26.7	8.29	25.37	78	5.41	5.8	6.5
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR5	12:27:06	1.0	Surface	1	1	26.15	8	27.77	84.2	5.85	2.8	4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR5	12:26:52	1.0	Surface	1	2	26.12	7.99	27.84	85	5.91	2.7	3.6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR5	12:26:44	4.1	Bottom	3	1	26.17	7.99	27.89	83.2	5.79	2.8	4.4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR5	12:26:59	4.1	Bottom	3	2	26.11	7.99	27.92	83.6	5.82	2.7	5.7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10A	11:31:23	1.0	Surface	1	1	25.61	8.2	28.33	76.5	5.28	1.3	5.6
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10A	11:31:46	1.0	Surface	1	2	25.74	8.21	28.25	77.2	5.33	1.2	5.7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10A	11:31:16	3.3	Middle	2	1	25.32	8.19	29.94	75.8	5.23	1.4	4.4
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10A	11:31:38	3.3	Middle	2	2	25.4	8.19	29.64	76.6	5.29	1.5	5.3
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10A	11:31:32	5.6	Bottom	3	1	25.66	8.19	30.5	75.9	5.24	1.7	5.7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10A	11:31:08	5.6	Bottom	3	2	25.45	8.18	31.04	75.2	5.19	1.8	5.3

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	2016-08-17	Mid-Ebb	Rainy	SR10B	11:21:45	1.0	Surface	1	1	25.64	8.2	28.91	75.1	5.18	1.4	3.7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10B	11:21:22	1.0	Surface	1	2	25.72	8.19	29.47	74.8	5.16	1.3	4.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10B	11:21:33	4.2	Bottom	3	1	25.36	8.17	31.69	74.1	5.11	1.8	4.3
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	SR10B	11:21:08	4.2	Bottom	3	2	25.37	8.17	31.93	74.4	5.13	1.7	3.1
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS2	13:42:10	1.0	Surface	1	1	26.37	8.02	26.7	81.9	5.67	3.5	4.8
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS2	13:41:40	1.0	Surface	1	2	26.38	8.01	26.69	80.2	5.59	3.5	5.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS2	13:42:01	4.0	Middle	2	1	26.01	8	27.96	81.6	5.65	3.8	4.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS2	13:41:30	4.0	Middle	2	2	25.85	7.99	28.11	80.5	5.59	3.8	4.3
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS2	13:41:50	6.9	Bottom	3	1	26.04	7.99	29.26	80.1	5.58	3.8	4.7
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS2	13:41:21	6.9	Bottom	3	2	25.77	7.96	29.41	78	5.44	3.6	5.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS(Mf)5	12:01:37	1.0	Surface	1	1	26.16	8.26	27.59	78.8	5.45	3.3	6.1
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS(Mf)5	12:02:12	1.0	Surface	1	2	26.2	8.25	27.51	79	5.46	3.2	5.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS(Mf)5	12:02:01	6.6	Middle	2	1	26.1	8.25	27.77	78.6	5.43	3.4	6.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS(Mf)5	12:01:26	6.6	Middle	2	2	26.12	8.26	27.79	78.4	5.42	3.6	6.2
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS(Mf)5	12:01:50	12.2	Bottom	3	1	26.11	8.25	27.82	78.1	5.4	3.7	7.3
HKLR	HY/2011/03	2016-08-17	Mid-Ebb	Rainy	CS(Mf)5	12:01:19	12.2	Bottom	3	2	26.13	8.26	27.81	77.6	5.36	3.8	6.4
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS5	18:28:08	1.0	Surface	1	1	26.79	8.38	25.54	93.4	6.47	5.5	8.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS5	18:27:50	1.0	Surface	1	2	26.79	8.39	25.54	93.3	6.47	5.4	8.3
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS5	18:28:01	4.3	Middle	2	1	26.77	8.38	25.59	93.2	6.46	5.6	8.9
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS5	18:27:42	4.3	Middle	2	2	26.77	8.39	25.58	93.2	6.46	5.7	8.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS5	18:27:36	7.6	Bottom	3	1	26.79	8.39	25.55	93.1	6.45	5.9	11.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS5	18:27:56	7.6	Bottom	3	2	26.79	8.38	25.56	93.1	6.46	5.8	12.3
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS(Mf)6	18:35:16	1.0	Surface	1	1	26.74	8.39	25.71	97.3	6.71	5	7.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS(Mf)6	18:34:56	1.0	Surface	1	2	26.75	8.39	25.74	97	6.73	5.1	8.1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS(Mf)6	18:34:50	2.3	Bottom	3	1	26.78	8.39	25.73	95.4	6.61	5.2	7.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS(Mf)6	18:35:03	2.3	Bottom	3	2	26.71	8.39	25.79	96.1	6.66	5.3	7.5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS7	18:42:20	1.0	Surface	1	1	26.77	8.39	25.76	97.4	6.75	6	6.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS7	18:42:08	1.0	Surface	1	2	26.76	8.39	25.77	96.5	6.69	6.1	6.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS7	18:42:03	2.4	Bottom	3	1	26.78	8.39	25.75	96.2	6.66	6.5	6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS7	18:42:14	2.4	Bottom	3	2	26.78	8.39	25.75	96.3	6.67	6.4	6.4
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS8	19:08:27	1.0	Surface	1	1	26.57	8.28	26.33	75.2	5.21	11.3	13.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS8	19:07:56	1.0	Surface	1	2	26.54	8.29	26.37	75.2	5.21	11.1	13.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS8	19:08:06	2.8	Bottom	3	1	26.55	8.29	26.4	75	5.2	11.6	13.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS8	19:07:49	2.8	Bottom	3	2	26.57	8.29	26.36	74.6	5.16	11.5	13.8
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS(Mf)9	18:49:33	1.0	Surface	1	1	26.76	8.39	25.81	97.7	6.76	5.1	7.5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS(Mf)9	18:49:44	1.0	Surface	1	2	26.75	8.39	25.84	97.2	6.73	5.2	7.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS(Mf)9	18:49:38	2.7	Bottom	3	1	26.77	8.39	25.83	96.3	6.67	5.5	7.4
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS(Mf)9	18:49:28	2.7	Bottom	3	2	26.76	8.39	25.84	96.5	6.68	5.6	8
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS10	19:08:59	1.0	Surface	1	1	26.5	7.98	26.85	82.7	5.75	4.5	1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS10	19:07:54	1.0	Surface	1	2	26.49	7.97	26.91	84	5.83	4.4	0.9
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS10	19:08:44	5.4	Middle	2	1	26.18	7.97	27.72	81.4	5.66	4.6	4.3
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS10	19:07:37	5.4	Middle	2	2	26.1	7.99	27.93	83.1	5.77	4.7	5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS10	19:08:31	9.8	Bottom	3	1	25.95	7.96	28.35	80.5	5.6	4.6	5.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	IS10	19:07:29	9.8	Bottom	3	2	26.26	7.99	28.21	80.6	5.61	4.6	5.8
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR3	18:21:25	0.8	Middle	2	1	26.77	8.4	25.42	92.7	6.43	5.7	6.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR3	18:21:32	0.8	Middle	2	2	26.77	8.4	25.44	92.7	6.43	5.7	7.4
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR4	18:59:08	1.0	Surface	1	1	26.59	8.33	26.29	78.8	5.45	11.1	11.5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR4	18:59:26	1.0	Surface	1	2	26.54	8.31	26.37	78.3	5.41	11.2	10.5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR4	18:58:58	2.8	Bottom	3	1	26.59	8.33	26.29	77	5.32	11.2	12.5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR4	18:59:16	2.8	Bottom	3	2	26.52	8.32	26.45	77.7	5.37	11.3	12.9
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR5	18:57:50	1.0	Surface	1	1	26.48	8.01	26.9	87.8	6.1	3.3	2.1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR5	18:58:04	1.0	Surface	1	2	26.49	8.01	26.88	87.6	6.08	3.3	2.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR5	18:57:42	4.2	Bottom	3	1	26.48	8	27.03	87.5	6.08	3.4	4.4
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR5	18:57:56	4.2	Bottom	3	2	26.47	8	27.05	86.9	6.04	3.3	3.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10A	20:04:05	1.0	Surface	1	1	25.45	8.28	29.42	80.2	5.55	3.3	4.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10A	20:03:36	1.0	Surface	1	2	25.49	8.28	28.98	80.5	5.57	3.1	4.5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10A	20:03:28	3.4	Middle	2	1	25.35	8.28	29.79	79.3	5.48	3.6	5.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10A	20:03:55	3.4	Middle	2	2	25.28	8.27	30.07	79.7	5.51	3.5	5.1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10A	20:03:21	5.7	Bottom	3	1	25.4	8.28	30.06	78.7	5.44	3.8	4.1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10A	20:03:47	5.7	Bottom	3	2	25.32	8.27	30.02	78.7	5.44	3.7	4.6
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10B	20:16:12	1.0	Surface	1	1	25.42	8.26	29.14	80.2	5.55	4.1	4.1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10B	20:15:57	1.0	Surface	1	2	25.4	8.26	29.69	80.9	5.6	4.3	6.1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10B	20:16:06	4.3	Bottom	3	1	25.47	8.25	29.76	79	5.46	4.4	4.5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	SR10B	20:15:47	4.3	Bottom	3	2	25.45	8.26	30.21	78.3	5.41	4.5	4.1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS2	17:41:13	1.0	Surface	1	1	26.61	7.95	26.75	93.8	6.5	4.9	5.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS2	17:41:41	1.0	Surface	1	2	26.59	7.96	26.73	88.4	6.13	4.8	6.4
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS2	17:41:02	4.0	Middle	2	1	26.67	7.94	27.1	87.6	6.07	5.5	6.4
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS2	17:41:27	4.0	Middle	2	2	26.66	7.95	27.07	87.1	6.05	5.2	6.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS2	17:40:43	6.9	Bottom	3	1	26.67	7.93	27.08	87.1	6.05	5.5	5.1
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS2	17:41:20	6.9	Bottom	3	2	26.64	7.95	26.98	86.6	6	5.7	6.3
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS(Mf)5	19:46:01	1.0	Surface	1	1	25.73	8.24	28.33	78.4	5.42	4.9	4.5
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS(Mf)5	19:45:08	1.0	Surface	1	2	25.46	8.24	29.09	77.7	5.37	5.1	5.4
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS(Mf)5	19:45:52	6.7	Middle	2	1	25.55	8.24	28.87	77.3	5.34	5.4	4.7
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS(Mf)5	19:44:58	6.7	Middle	2	2	25.49	8.24	29.22	77.3	5.34	5.5	6.2
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS(Mf)5	19:45:43	12.4	Bottom	3	1	25.45	8.24	29.26	75.5	5.21	5.8	8.7
HKLR	HY/2011/03	2016-08-17	Mid-Flood	Rainy	CS(Mf)5	19:44:43	12.4	Bottom	3	2	25.58	8.26	28.68	76.3	5.27	5.7	7
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS5	12:33:50	1.0	Surface	1	1	26.43	8.3	27.18	76.3	5.27	11.6	10
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS5	12:33:26	1.0	Surface	1	2	26.48	8.31	27.1	76.6	5.29	11.4	10.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS5	12:33:16	4.2	Middle	2	1	26.42	8.31	27.18	76.4	5.28	11.3	13.3
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS5	12:33:43	4.2	Middle	2	2	26.38	8.3	27.35	76.3	5.27	11.5	14
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS5	12:33:08	7.4	Bottom	3	1	26.42	8.31	27.29	76.4	5.28	11.2	14
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS5	12:33:35	7.4	Bottom	3	2	26.42	8.3	27.27	76.1	5.26	11.7	16.1
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS(Mf)6	12:38:45	1.0	Surface	1	1	26.49	8.27	27.12	78.3	5.41	9.6	12.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS(Mf)6	12:39:04	1.0	Surface	1	2	26.49	8.26	27.11	77.4	5.34	9.5	12
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS(Mf)6	12:38:55	2.3	Bottom	3	1	26.44	8.26	27.16	77.3	5.33	9.4	12.7
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS(Mf)6	12:38:36	2.3	Bottom	3	2	26.44	8.27	27.18	77.9	5.38	9.5	13.1
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS7	12:43:03	1.0	Surface	1	1	26.5	8.25	27.1	76.8	5.3	8.4	11.9
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS7	12:43:18	1.0	Surface	1	2	26.51	8.25	27.09	76.7	5.3	8.6	11.4
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS7	12:42:53	2.2	Bottom	3	1	26.5	8.25	27.12	76.9	5.31	8.5	12.2
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS7	12:43:08	2.2	Bottom	3	2	26.48	8.25	27.13	76.7	5.3	8.5	12.7
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS8	13:13:18	1.0	Surface	1	1	26.48	8.24	26.99	79.4	5.48	5.1	7.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS8	13:13:32	1.0	Surface	1	2	26.46	8.23	27	79.1	5.47	4.9	7.6
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS8	13:13:12	3.2	Bottom	3	1	26.49	8.24	26.99	79.4	5.49	5	7.3
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS8	13:13:26	3.2	Bottom	3	2	26.46	8.23	27	79.2	5.47	5.2	7.1
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS(Mf)9	12:52:46	1.0	Surface	1	1	26.43	8.25	26.92	75.5	5.23	7.1	9.1
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS(Mf)9	12:52:27	1.0	Surface	1	2	26.45	8.26	26.89	76.4	5.28	7.1	9.3
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS(Mf)9	12:52:36	2.7	Bottom	3	1	26.42	8.26	26.94	75.3	5.21	7.1	11.8
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS(Mf)9	12:52:21	2.7	Bottom	3	2	26.45	8.26	26.88	76	5.26	7.1	11
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS10	13:28:04	1.0	Surface	1	1	26.35	8.06	27.9	76.7	5.39	10.8	15.1
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS10	13:28:31	1.0	Surface	1	2	26.31	8.06	27.71	77.4	5.44	10.7	15.3
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS10	13:27:53	5.2	Middle	2	1	26.12	8.05	28.21	75.9	5.33	11	15
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS10	13:28:23	5.2	Middle	2	2	26.16	8.06	27.9	76.6	5.38	10.9	14.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS10	13:28:14	9.3	Bottom	3	1	26.26	8.06	27.92	75.2	5.28	11.2	16.3
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	IS10	13:27:46	9.3	Bottom	3	2	26.15	8.05	28.26	74.9	5.26	11.3	17.8

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	2016-08-19	Mid-Ebb	Fine	SR3	12:21:23	0.7	Middle	2	1	26.51	8.39	27.05	78.8	5.44	7.8	10.2
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR3	12:21:15	0.7	Middle	2	2	26.49	8.4	27.06	79.1	5.47	7.6	10.2
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR4	13:07:06	1.0	Surface	1	1	26.48	8.24	26.98	79.7	5.51	4.9	6.9
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR4	13:06:54	1.0	Surface	1	2	26.48	8.25	26.98	80.3	5.55	4.9	8.2
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR4	13:06:59	2.7	Bottom	3	1	26.47	8.24	27	79.6	5.5	4.9	8.6
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR4	13:06:46	2.7	Bottom	3	2	26.46	8.25	27	79.9	5.52	4.9	8.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR5	13:13:21	1.0	Surface	1	1	26.16	8.05	28.66	75.5	5.3	10.3	11.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR5	13:12:48	1.0	Surface	1	2	26.15	8.05	28.76	75.1	5.27	10.4	12.7
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR5	13:12:59	4.1	Bottom	3	1	26.24	8.05	28.65	73.9	5.19	10.6	12.9
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR5	13:12:38	4.1	Bottom	3	2	26.12	8.05	28.78	73.5	5.16	10.7	11.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10A	14:17:40	1.0	Surface	1	1	26.39	8.19	27.74	78.9	5.48	6.2	6.8
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10A	14:17:12	1.0	Surface	1	2	26.42	8.19	27.76	79.3	5.5	6.2	6.3
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10A	14:17:04	3.4	Middle	2	1	26.33	8.19	27.84	78.8	5.48	5.8	7.1
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10A	14:17:31	3.4	Middle	2	2	26.25	8.19	27.9	78.3	5.45	6.1	8
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10A	14:16:55	5.7	Bottom	3	1	26.29	8.19	27.99	79.1	5.49	6	8.4
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10A	14:17:22	5.7	Bottom	3	2	26.19	8.19	28.13	78.7	5.47	6.1	8.2
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10B	14:26:50	1.0	Surface	1	1	26.38	8.18	27.72	78.9	5.48	6.6	6.9
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10B	14:27:06	1.0	Surface	1	2	26.41	8.18	27.71	79.2	5.5	6.5	7.3
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10B	14:26:42	4.0	Bottom	3	1	26.31	8.18	27.83	78.7	5.47	6.7	7.4
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	SR10B	14:26:57	4.0	Bottom	3	2	26.36	8.18	27.8	79	5.49	6.6	7.7
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS2	11:56:06	1.0	Surface	1	1	26.61	8.07	27.93	78.8	5.4	6.3	9.4
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS2	11:56:48	1.0	Surface	1	2	26.29	8.05	29.06	78.6	5.39	6.2	9.2
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS2	11:55:36	4.1	Middle	2	1	26.42	8.09	28.28	77.7	5.33	6.6	8.6
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS2	11:56:38	4.1	Middle	2	2	26.62	8.06	27.89	77.7	5.34	6.4	8.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS2	11:55:26	7.1	Bottom	3	1	26.12	8.09	29.02	77.1	5.29	6.7	9.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS2	11:56:27	7.1	Bottom	3	2	26.56	8.06	27.99	77	5.29	6.8	9.2
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS(Mf)5	13:49:19	1.0	Surface	1	1	26.29	8.21	27.89	76.6	5.33	11.2	8.9
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS(Mf)5	13:48:42	1.0	Surface	1	2	26.25	8.22	27.92	77.4	5.38	11.6	8.5
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS(Mf)5	13:49:09	5.8	Middle	2	1	25.96	8.21	28.43	76.3	5.32	11.4	11
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS(Mf)5	13:48:31	5.8	Middle	2	2	26.01	8.22	28.38	76.9	5.35	11.3	11.6
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS(Mf)5	13:49:02	10.5	Bottom	3	1	25.9	8.21	28.62	75.7	5.27	11.5	12
HKLR	HY/2011/03	2016-08-19	Mid-Ebb	Fine	CS(Mf)5	13:48:18	10.5	Bottom	3	2	26.02	8.22	28.45	76.1	5.3	11.2	13.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS5	08:02:13	1.0	Surface	1	1	26.23	8.19	26.79	72.3	5.02	8.9	9.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS5	08:01:23	1.0	Surface	1	2	26.24	8.19	26.76	72.7	5.05	9	8.3
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS5	08:01:48	4.3	Middle	2	1	26.21	8.19	26.9	72.2	5.02	9.1	8
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS5	08:01:08	4.3	Middle	2	2	26.19	8.19	26.96	72.4	5.03	9.2	8.2
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS5	08:00:59	7.6	Bottom	3	1	26.18	8.19	27.05	71.9	4.99	9.1	9.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS5	08:01:35	7.6	Bottom	3	2	26.19	8.19	27.03	71.8	4.99	9.1	10.2
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS(Mf)6	07:52:57	1.0	Surface	1	1	26.3	8.2	26.92	78	5.41	5.9	6.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS(Mf)6	07:53:28	1.0	Surface	1	2	26.25	8.19	26.96	77.1	5.35	5.9	6.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS(Mf)6	07:52:45	2.1	Bottom	3	1	26.2	8.2	27.13	77.4	5.37	6	6.8
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS(Mf)6	07:53:13	2.1	Bottom	3	2	26.2	8.19	27.17	76.9	5.34	6.3	8.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS7	07:43:20	1.0	Surface	1	1	26.21	8.16	27.09	81.9	5.72	3.4	7.2
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS7	07:43:09	1.0	Surface	1	2	26.22	8.16	27.07	81.8	5.71	3.7	6.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS7	07:43:04	2.2	Bottom	3	1	26.21	8.16	27.26	81.7	5.7	3.6	6.5
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS7	07:43:14	2.2	Bottom	3	2	26.24	8.16	27.18	81.8	5.71	3.5	6.9
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS8	07:21:27	1.0	Surface	1	1	26.31	8.17	26.88	81.5	5.69	5.1	6.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS8	07:21:10	1.0	Surface	1	2	26.28	8.17	26.83	82.5	5.75	5.2	4.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS8	07:21:16	3.1	Bottom	3	1	26.19	8.17	27.32	81.5	5.69	5.2	6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS8	07:21:01	3.1	Bottom	3	2	26.2	8.17	27.26	81.9	5.72	5.2	7
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS(Mf)9	07:37:17	1.0	Surface	1	1	26.21	8.17	27.14	81.7	5.7	3.9	4.9
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS(Mf)9	07:37:04	1.0	Surface	1	2	26.16	8.17	27.24	81.8	5.71	3.9	5.4

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	2016-08-19	Mid-Flood	Fine	IS(Mf)9	07:37:09	2.7	Bottom	3	1	26.17	8.16	27.35	81.6	5.7	4	6.8
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS(Mf)9	07:36:58	2.7	Bottom	3	2	26.16	8.16	27.4	81.9	5.71	4	6.8
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS10	07:01:35	1.0	Surface	1	1	26.22	7.93	28.39	74.6	5.24	7.5	8.8
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS10	07:00:48	1.0	Surface	1	2	26.12	7.93	28.53	74.1	5.2	7.3	8.9
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS10	07:01:25	5.3	Middle	2	1	26.12	7.93	28.54	73.7	5.17	7.6	8.9
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS10	07:00:37	5.3	Middle	2	2	26	7.93	28.83	73.5	5.16	7.6	9.2
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS10	07:01:16	9.5	Bottom	3	1	25.99	7.92	28.85	72.8	5.11	7.9	13.3
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	IS10	07:00:30	9.5	Bottom	3	2	26.04	7.93	28.84	72.5	5.09	7.8	14.5
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR3	08:11:01	0.8	Middle	2	1	26.24	8.18	26.78	73.6	5.11	7.5	13.4
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR3	08:10:55	0.8	Middle	2	2	26.24	8.18	26.78	73.5	5.11	7.5	13.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR4	07:27:50	1.0	Surface	1	1	26.24	8.16	26.91	79.8	5.58	4.7	5.4
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR4	07:27:32	1.0	Surface	1	2	26.25	8.16	26.88	80	5.59	4.5	4.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR4	07:27:24	2.7	Bottom	3	1	26.19	8.16	27.32	79.9	5.58	5	6.3
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR4	07:27:41	2.7	Bottom	3	2	26.15	8.16	27.39	79.8	5.57	5.2	5.8
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR5	07:13:55	1.0	Surface	1	1	26.15	7.94	28.48	74.5	5.23	7.4	9.2
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR5	07:13:27	1.0	Surface	1	2	26.26	7.94	28.34	74.2	5.21	7.6	9.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR5	07:13:13	4.2	Bottom	3	1	26.12	7.94	28.54	73.5	5.16	7.9	9.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR5	07:13:48	4.2	Bottom	3	2	26.14	7.94	28.51	73.2	5.14	7.8	8.7
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10A	06:13:39	1.0	Surface	1	1	25.97	8.13	28.29	75.5	5.24	4.8	3.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10A	06:14:20	1.0	Surface	1	2	25.88	8.13	28.31	75.6	5.27	4.9	4.8
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10A	06:14:11	3.4	Middle	2	1	25.62	8.12	29.92	74.3	5.19	5.1	5
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10A	06:13:29	3.4	Middle	2	2	25.71	8.11	29.99	74.8	5.19	5.2	4.8
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10A	06:13:20	5.7	Bottom	3	1	25.75	8.11	30.05	74	5.14	5.1	4.9
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10A	06:14:02	5.7	Bottom	3	2	25.57	8.12	30.08	73.5	5.11	5.2	4.7
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10B	06:04:28	1.0	Surface	1	1	25.8	8.09	29.11	75.6	5.26	4.4	5.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10B	06:04:53	1.0	Surface	1	2	25.92	8.1	28.76	75.8	5.28	4.6	4.5
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10B	06:04:39	4.2	Bottom	3	1	25.63	8.09	30.47	75.3	5.22	4.5	5.2
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	SR10B	06:04:18	4.2	Bottom	3	2	25.65	8.08	30.63	75.9	5.26	4.5	5.5
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS2	08:31:09	1.0	Surface	1	1	26.15	7.95	28.55	74.8	5.25	7.6	11
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS2	08:30:36	1.0	Surface	1	2	26.14	7.95	28.55	74.5	5.23	7.4	11.7
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS2	08:30:27	4.1	Middle	2	1	26.07	7.95	28.63	73.9	5.19	7.8	12.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS2	08:30:59	4.1	Middle	2	2	26.07	7.96	28.6	73.8	5.18	7.8	11.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS2	08:30:52	7.2	Bottom	3	1	26.05	7.95	28.64	73.1	5.13	8.1	11.7
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS2	08:30:20	7.2	Bottom	3	2	26.03	7.94	28.7	73.2	5.14	8	11.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS(Mf)5	06:47:57	1.0	Surface	1	1	25.77	8.15	28.26	73.6	5.12	8.4	3.6
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS(Mf)5	06:47:24	1.0	Surface	1	2	25.8	8.14	28.37	73.4	5.1	8.6	3.9
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS(Mf)5	06:47:48	6.2	Middle	2	1	25.57	8.13	29.98	73.1	5.11	8.4	3
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS(Mf)5	06:47:14	6.2	Middle	2	2	25.57	8.13	29.97	73	5.08	8.5	4.3
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS(Mf)5	06:47:03	11.4	Bottom	3	1	25.59	8.13	30.01	72.3	5.03	8.5	6.1
HKLR	HY/2011/03	2016-08-19	Mid-Flood	Fine	CS(Mf)5	06:47:39	11.4	Bottom	3	2	25.57	8.13	30.01	72.8	5.07	8.5	5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	ISS	14:04:01	1.0	Surface	1	1	28.13	8.31	20.83	79.9	5.73	13.6	14
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	ISS	14:04:26	1.0	Surface	1	2	28.15	8.28	20.92	79.9	5.73	13.1	13.8
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	ISS	14:04:18	4.2	Middle	2	1	28.14	8.29	20.92	79.8	5.72	13.1	15.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	ISS	14:03:54	4.2	Middle	2	2	28.11	8.32	20.83	79.9	5.73	13.2	15.2
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	ISS	14:03:47	7.4	Bottom	3	1	28.12	8.32	20.8	79.8	5.73	13.5	18.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	ISS	14:04:11	7.4	Bottom	3	2	28.13	8.3	20.88	79.7	5.72	13.2	19.4
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS(Mf)6	14:09:17	1.0	Surface	1	1	28.92	8.21	20.53	80.5	5.53	4	3.8
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS(Mf)6	14:08:59	1.0	Surface	1	2	28.91	8.22	20.53	80.7	5.55	3.9	5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS(Mf)6	14:08:42	2.2	Bottom	3	1	28.73	8.22	20.89	79.9	5.5	4	4.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS(Mf)6	14:09:06	2.2	Bottom	3	2	28.71	8.21	20.99	80.1	5.52	4.1	2.8
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS7	14:17:26	1.0	Surface	1	1	28.56	8.18	20.14	82.7	5.73	5.4	6.2
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS7	14:17:40	1.0	Surface	1	2	28.58	8.18	20.19	80.2	5.56	5.2	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	2016-08-22	Mid-Ebb	Sunny	IS7	14:17:33	2.4	Bottom	3	1	28.43	8.17	21.17	81.4	5.62	5.2	6.8
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS7	14:17:19	2.4	Bottom	3	2	28.38	8.18	21.21	84.8	5.86	5.5	6.7
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS8	14:51:45	1.0	Surface	1	1	28.47	8.14	20.96	85.5	6.09	6.6	5.8
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS8	14:52:06	1.0	Surface	1	2	28.38	8.14	21.08	85	6.06	6.5	5.9
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS8	14:51:34	3.0	Bottom	3	1	28.26	8.13	22.11	85.5	6.07	6.5	5.6
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS8	14:51:54	3.0	Bottom	3	2	28.21	8.13	22.08	85.2	6.05	6.4	5.7
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS(Mf)9	14:30:31	1.0	Surface	1	1	28.91	8.17	20.36	80	5.5	4.6	4.9
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS(Mf)9	14:30:11	1.0	Surface	1	2	28.9	8.18	20.35	80.1	5.52	4.6	4.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS(Mf)9	14:30:00	2.9	Bottom	3	1	28.83	8.18	20.7	80	5.5	4.8	5.5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS(Mf)9	14:30:20	2.9	Bottom	3	2	28.79	8.17	20.8	79.9	5.5	4.7	5.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS10	15:31:30	1.0	Surface	1	1	28.48	8	23.62	75.6	5.27	6.2	8.5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS10	15:32:03	1.0	Surface	1	2	28.23	8.02	23.66	75.6	5.27	6	8.8
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS10	15:31:16	5.4	Middle	2	1	28.13	8.01	23.75	74.5	5.19	6.4	7.2
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS10	15:31:51	5.4	Middle	2	2	28.03	8.01	23.35	74.9	5.22	6.4	8
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS10	15:31:07	9.8	Bottom	3	1	27.84	7.99	23.96	73.4	5.11	6.7	8.1
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	IS10	15:31:39	9.8	Bottom	3	2	28.29	7.99	23.41	74.1	5.16	6.6	8.7
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR3	13:56:49	0.7	Middle	2	1	28.16	8.59	19.77	74.8	5.23	11.1	12
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR3	13:56:42	0.7	Middle	2	2	28.16	8.61	19.68	75.5	5.29	11.1	12.4
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR4	14:45:26	1.0	Surface	1	1	29.13	8.22	18.81	76	5.26	7.1	6.1
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR4	14:46:31	1.0	Surface	1	2	29.26	8.17	18.89	77.6	5.36	7.1	5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR4	14:46:19	3.0	Bottom	3	1	28.51	8.14	20.76	76.8	5.3	7.2	6.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR4	14:45:17	3.0	Bottom	3	2	28.56	8.19	20.51	75.5	5.22	7.5	8.1
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR5	15:15:57	1.0	Surface	1	1	28.3	8.01	23.09	75.9	5.24	6.8	6.2
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR5	15:16:31	1.0	Surface	1	2	28.26	8	23.17	75.6	5.27	6.9	5.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR5	15:16:21	4.1	Bottom	3	1	28.01	7.98	23.56	74.3	5.09	7.4	5.4
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR5	15:15:49	4.1	Bottom	3	2	28.25	8.01	23.17	75.5	5.18	7.2	4.5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10A	16:07:02	1.0	Surface	1	1	28.58	8.19	21.23	79.7	5.67	4.2	6.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10A	16:07:45	1.0	Surface	1	2	28.71	8.18	21.26	81.1	5.75	4.2	6.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10A	16:06:53	3.2	Middle	2	1	27.94	8.16	23.94	78.6	5.55	4.5	4.7
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10A	16:07:29	3.2	Middle	2	2	27.88	8.16	24.01	78.1	5.56	4.1	4.9
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10A	16:07:20	5.4	Bottom	3	1	27.2	8.13	25.34	77.3	5.49	4.2	5.1
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10A	16:06:41	5.4	Bottom	3	2	27.78	8.15	25.31	77.8	5.52	4.6	4.7
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10B	16:16:47	1.0	Surface	1	1	28.25	8.17	22.1	79.8	5.68	3.7	4.1
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10B	16:17:10	1.0	Surface	1	2	28.1	8.17	22.01	79.4	5.66	3.8	4.2
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10B	16:16:39	3.9	Bottom	3	1	28.18	8.15	24.01	79.4	5.61	3.9	5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	SR10B	16:17:02	3.9	Bottom	3	2	27.66	8.14	24.34	79.4	5.64	3.8	3.7
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS2	13:56:16	1.0	Surface	1	1	28.88	7.89	21.21	80.8	5.54	1.4	6.5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS2	13:55:44	1.0	Surface	1	2	28.89	7.77	21.28	80.9	5.55	1.4	7.1
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS2	13:56:03	3.9	Middle	2	1	28.19	7.85	21.57	80.4	5.51	1.6	7.5
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS2	13:55:33	3.9	Middle	2	2	28.73	7.72	21.23	78	5.35	1.5	7.4
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS2	13:55:57	6.8	Bottom	3	1	27.92	7.79	25.08	76.8	5.24	1.8	8.8
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS2	13:55:25	6.8	Bottom	3	2	28.79	7.65	21.5	76.8	5.32	1.9	7.9
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS(Mf)5	15:27:26	1.0	Surface	1	1	28.86	8.22	21.26	76.9	5.46	5.8	8.4
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS(Mf)5	15:26:50	1.0	Surface	1	2	28.68	8.22	20.97	75.5	5.38	5.9	7.9
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS(Mf)5	15:27:13	6.0	Middle	2	1	27.24	8.18	24.54	75.2	5.32	7.6	7
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS(Mf)5	15:26:39	6.0	Middle	2	2	26.93	8.17	25.59	75.1	5.31	7.6	8.3
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS(Mf)5	15:27:04	10.9	Bottom	3	1	26.88	8.15	27.93	73.6	5.27	7.5	7.9
HKLR	HY/2011/03	2016-08-22	Mid-Ebb	Sunny	CS(Mf)5	15:26:32	10.9	Bottom	3	2	26.99	8.16	27.85	73.4	5.25	7.8	7
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	ISS	10:16:20	1.0	Surface	1	1	27.99	8.12	22.94	73	5.03	4.2	4.1
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	ISS	10:16:46	1.0	Surface	1	2	27.97	8.11	23.09	73.2	5.03	4.1	5.1
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	ISS	10:16:12	4.3	Middle	2	1	27.96	8.11	23.23	72.9	5.02	4	5.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	ISS	10:16:39	4.3	Middle	2	2	27.95	8.11	23.27	72.7	5	4.1	3.6

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	2016-08-22	Mid-Flood	Sunny	IS5	10:16:32	7.6	Bottom	3	1	27.96	8.11	23.38	72.3	4.97	4.1	5.9
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS5	10:16:05	7.6	Bottom	3	2	27.97	8.11	23.25	72.5	4.99	4.1	4.3
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS(Mf)6	10:05:10	1.0	Surface	1	1	28.12	8.14	21.29	73.7	5.12	2.9	4.7
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS(Mf)6	10:05:29	1.0	Surface	1	2	28.2	8.13	21.18	73.8	5.11	3.1	4.7
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS(Mf)6	10:05:17	2.1	Bottom	3	1	28.09	8.12	22.35	73.5	5.08	2.9	4.2
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS(Mf)6	10:05:03	2.1	Bottom	3	2	28.11	8.13	22.22	73.7	5.09	2.9	4.1
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS7	09:55:37	1.0	Surface	1	1	28.09	8.12	21.89	74.8	5.18	2.9	4.3
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS7	09:55:18	1.0	Surface	1	2	28.06	8.12	22.08	75.4	5.22	2.7	3.1
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS7	09:55:28	2.3	Bottom	3	1	28.03	8.12	22.41	74.9	5.18	2.8	4.2
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS7	09:55:10	2.3	Bottom	3	2	28.04	8.12	22.36	75.8	5.23	2.7	3.6
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS8	09:32:47	1.0	Surface	1	1	28.04	8.14	21.1	79.8	5.71	7.4	7.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS8	09:32:59	1.0	Surface	1	2	28.05	8.13	21.1	79.2	5.68	7.4	7.5
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS8	09:32:40	2.9	Bottom	3	1	28	8.13	21.66	79.5	5.71	7.4	7.9
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS8	09:32:51	2.9	Bottom	3	2	28.04	8.13	21.88	79.4	5.67	7.5	8.3
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS(Mf)9	09:48:29	1.0	Surface	1	1	27.99	8.1	21.36	79.8	5.71	5.2	4.5
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS(Mf)9	09:48:09	1.0	Surface	1	2	27.97	8.11	21.54	80.6	5.75	5.3	3.9
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS(Mf)9	09:47:59	2.5	Bottom	3	1	27.93	8.1	22.48	80.1	5.74	5.2	4.9
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS(Mf)9	09:48:23	2.5	Bottom	3	2	27.95	8.09	22.06	79.7	5.71	5.4	5.8
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS10	09:27:31	1.0	Surface	1	1	27.82	7.86	21.89	75.1	5.23	6.4	4.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS10	09:28:20	1.0	Surface	1	2	27.8	7.86	21.97	75.4	5.25	6.4	4.3
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS10	09:27:22	5.4	Middle	2	1	27.61	7.84	23.56	74.4	5.18	6.6	3.8
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS10	09:28:12	5.4	Middle	2	2	27.68	7.85	23.31	74.5	5.19	6.6	3.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS10	09:27:13	9.8	Bottom	3	1	27.55	7.81	24.66	73.5	5.12	6.9	3.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	IS10	09:27:59	9.8	Bottom	3	2	27.51	7.81	24.87	73.8	5.14	6.8	2.7
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR3	10:25:24	0.7	Middle	2	1	28.03	8.11	22.72	73.8	5.09	3.9	3.9
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR3	10:25:29	0.7	Middle	2	2	28.03	8.11	22.72	73.9	5.09	3.9	5.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR4	09:37:08	1.0	Surface	1	1	28.06	8.11	21.12	79.2	5.68	6.8	6.7
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR4	09:37:40	1.0	Surface	1	2	28	8.11	21.15	85.9	6.15	6.9	6.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR4	09:36:57	2.6	Bottom	3	1	28.05	8.11	21.75	79.5	5.68	6.9	7.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR4	09:37:18	2.6	Bottom	3	2	28.01	8.1	21.8	78.8	5.64	6.8	7.7
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR5	09:41:09	1.0	Surface	1	1	27.83	7.86	21.14	76.9	5.36	5.8	5.3
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR5	09:41:30	1.0	Surface	1	2	27.93	7.87	20.52	76.5	5.33	5.8	5.3
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR5	09:41:02	4.2	Bottom	3	1	27.79	7.84	22.97	76.1	5.3	5.9	6
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR5	09:41:21	4.2	Bottom	3	2	27.92	7.85	22.3	75.8	5.28	6.1	6.5
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10A	08:16:23	1.0	Surface	1	1	27.55	8.22	23.15	75.7	5.36	3.7	4.2
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10A	08:16:50	1.0	Surface	1	2	27.61	8.22	22.98	74.7	5.35	3.6	4.2
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10A	08:16:15	3.2	Middle	2	1	27.25	8.18	26.72	75	5.29	4.1	4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10A	08:16:41	3.2	Middle	2	2	27.23	8.18	26.9	74.6	5.26	3.8	3.5
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10A	08:16:07	5.4	Bottom	3	1	27.37	8.18	27.09	74.4	5.27	3.9	3.1
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10A	08:16:31	5.4	Bottom	3	2	27.33	8.18	27.22	73.9	5.23	4	4.5
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10B	08:07:25	1.0	Surface	1	1	27.49	8.25	23.59	75.7	5.42	4	3.5
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10B	08:07:38	1.0	Surface	1	2	27.39	8.23	24.07	75.5	5.4	4.1	3.2
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10B	08:07:32	3.9	Bottom	3	1	27.42	8.21	27.33	75.5	5.31	4.3	5
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	SR10B	08:07:17	3.9	Bottom	3	2	27.24	8.21	27.7	75.6	5.32	4.2	5.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS2	10:55:08	1.0	Surface	1	1	28.01	7.9	21.46	75.4	5.25	9.3	3.9
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS2	10:54:43	1.0	Surface	1	2	27.96	7.89	22.8	75.6	5.27	9.4	4.8
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS2	10:54:33	4.0	Middle	2	1	27.7	7.89	23.71	74.9	5.22	9.6	5.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS2	10:54:57	4.0	Middle	2	2	27.71	7.87	23.72	74.7	5.2	9.7	5
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS2	10:54:50	6.9	Bottom	3	1	27.89	7.87	23.37	73.8	5.14	9.9	5.7
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS2	10:54:24	6.9	Bottom	3	2	27.74	7.89	23.68	74.1	5.16	9.8	5.1
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS(Mf)5	08:52:29	1.0	Surface	1	1	27.72	8.22	22.84	74.2	5.31	5.3	2.3
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS(Mf)5	08:53:09	1.0	Surface	1	2	27.51	8.21	23.15	73.1	5.24	5.4	3.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS(Mf)5	08:52:56	6.2	Middle	2	1	26.91	8.17	27.45	72.8	5.15	5.5	2.9
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS(Mf)5	08:52:11	6.2	Middle	2	2	26.96	8.18	27.4	71.1	5.05	5.5	2.7
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS(Mf)5	08:51:58	11.3	Bottom	3	1	26.8	8.16	28.51	71	5.02	5.6	4.4
HKLR	HY/2011/03	2016-08-22	Mid-Flood	Sunny	CS(Mf)5	08:52:47	11.3	Bottom	3	2	26.9	8.15	28.29	71.9	5.11	5.6	4.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS5	16:08:14	1.0	Surface	1	1	29.18	8.43	21.72	81.9	5.57	6.6	6.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS5	16:08:42	1.0	Surface	1	2	29.14	8.41	21.88	81.9	5.56	6.5	5.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS5	16:08:33	4.3	Middle	2	1	28.66	8.41	22.61	80.5	5.47	6.8	8.4
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS5	16:08:03	4.3	Middle	2	2	28.69	8.43	22.42	81.5	5.55	6.8	8.2
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS5	16:07:56	7.6	Bottom	3	1	28.77	8.43	22.65	79.3	5.42	6.8	10.7
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS5	16:08:25	7.6	Bottom	3	2	28.82	8.41	22.91	78.9	5.39	6.7	10
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS(Mf)6	16:15:23	1.0	Surface	1	1	30.04	8.45	21.64	112.8	7.56	3.7	8.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS(Mf)6	16:15:36	1.0	Surface	1	2	29.97	8.45	21.73	113.4	7.61	3.8	7.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS(Mf)6	16:15:29	2.4	Bottom	3	1	29.94	8.45	21.88	113.8	7.63	4.1	8.9
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS(Mf)6	16:15:14	2.4	Bottom	3	2	29.86	8.44	21.91	111.1	7.46	4.1	9.9
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS7	16:24:20	1.0	Surface	1	1	30.1	8.47	21.8	116.5	7.8	3.8	4.1
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS7	16:24:33	1.0	Surface	1	2	30.1	8.47	21.78	117.6	7.87	3.7	5.8
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS7	16:24:26	2.1	Bottom	3	1	29.99	8.46	22	117.5	7.87	3.8	5.3
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS7	16:24:10	2.1	Bottom	3	2	29.84	8.46	22.13	115.1	7.73	3.8	5.8
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS8	16:43:45	1.0	Surface	1	1	29.96	8.36	21.86	91.7	6.18	5.8	6.2
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS8	16:43:27	1.0	Surface	1	2	29.91	8.37	21.95	91.7	6.23	5.6	5.4
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS8	16:43:20	2.9	Bottom	3	1	28.57	8.36	23.8	88.8	5.96	5.9	6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS8	16:43:38	2.9	Bottom	3	2	29.04	8.35	23.67	89.9	6.03	5.9	6.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS(Mf)9	16:29:43	1.0	Surface	1	1	29.17	8.41	22.13	90.6	6.15	6.3	4.3
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS(Mf)9	16:29:28	1.0	Surface	1	2	28.94	8.41	22.33	90.2	6.14	6.3	3.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS(Mf)9	16:29:35	2.7	Bottom	3	1	28.94	8.4	22.53	90.5	6.15	6.4	4.1
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS(Mf)9	16:29:22	2.7	Bottom	3	2	28.89	8.41	22.65	92.4	6.28	6.3	4
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS10	16:30:47	1.0	Surface	1	1	30.45	8.06	13.66	90.3	6.28	3.3	3.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS10	16:32:00	1.0	Surface	1	2	30.47	8.07	12.87	93.9	6.55	3.2	2.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS10	16:30:17	5.6	Middle	2	1	28.55	7.98	17.99	82.7	5.72	3.6	4.7
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS10	16:31:25	5.6	Middle	2	2	29.44	8.03	15.39	83.1	5.82	3.3	3.7
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS10	16:30:03	10.2	Bottom	3	1	28.57	7.94	20.47	79.1	5.55	3.6	4.3
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	IS10	16:31:11	10.2	Bottom	3	2	28.48	7.96	19.3	83.1	5.79	3.5	4.1
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR3	15:56:44	0.7	Middle	2	1	29.34	8.52	20.2	91.8	6.28	4.4	5.2
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR3	15:56:39	0.7	Middle	2	2	29.34	8.52	20.09	91.9	6.29	4.6	5.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR4	16:38:12	1.0	Surface	1	1	29.2	8.38	22.29	94.2	6.35	6.3	3.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR4	16:38:27	1.0	Surface	1	2	29.97	8.38	21.97	90.8	6.13	6.2	3.2
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR4	16:38:07	2.9	Bottom	3	1	29.33	8.38	23.05	91.7	6.21	6.2	6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR4	16:38:19	2.9	Bottom	3	2	29.08	8.37	23.24	88.9	5.96	6.2	4.2
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR5	16:21:52	1.0	Surface	1	1	30.25	8.07	14.7	84.1	5.84	3.3	3.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR5	16:21:30	1.0	Surface	1	2	30.29	8.11	15.1	84.2	5.83	3.4	4.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR5	16:21:44	4.0	Bottom	3	1	28.64	8.01	19.33	83	5.76	3.5	4.8
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR5	16:21:20	4.0	Bottom	3	2	28.62	8.05	20.1	83.1	5.75	3.4	4.7
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10A	17:57:01	1.0	Surface	1	1	29	8.31	20.39	76.5	5.19	2.7	2.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10A	17:57:25	1.0	Surface	1	2	29.03	8.3	20.9	76.5	5.17	2.7	3.8
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10A	17:56:54	3.3	Middle	2	1	28.28	8.28	23.75	76	5.11	2.9	3.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10A	17:57:16	3.3	Middle	2	2	28.11	8.27	23.91	76.5	5.17	2.8	4.4
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10A	17:57:09	5.5	Bottom	3	1	28.01	8.26	26.37	74.3	5.08	2.8	4.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10A	17:56:46	5.5	Bottom	3	2	27.84	8.26	27.63	73.9	5.05	2.8	4.3
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10B	18:06:49	1.0	Surface	1	1	29.12	8.29	21.11	78.3	5.35	2.7	4
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10B	18:06:31	1.0	Surface	1	2	28.85	8.29	21	77.4	5.31	2.8	5.1
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10B	18:06:24	4.0	Bottom	3	1	28.81	8.26	23.66	77.5	5.25	2.9	7.7
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	SR10B	18:06:38	4.0	Bottom	3	2	28.94	8.27	23.91	78	5.26	2.8	6.1

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	2016-08-24	Mid-Ebb	Sunny	CS2	15:33:45	1.0	Surface	1	1	29.5	8.06	18.66	93.2	6.35	3.6	2.7
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS2	15:34:25	1.0	Surface	1	2	29.01	8.08	18.92	80.7	5.58	3.5	2.1
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS2	15:34:19	4.0	Middle	2	1	28.55	8.06	20.22	79.9	5.45	3.5	2.8
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS2	15:33:19	4.0	Middle	2	2	28.85	8.01	21.65	87.5	6.02	3.7	2.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS2	15:34:09	7.0	Bottom	3	1	28.24	7.99	24.03	78.6	5.45	3.5	3.6
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS2	15:32:43	7.0	Bottom	3	2	28.39	7.93	24.04	82.9	5.67	3.7	3.5
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS(Mf)5	17:24:00	1.0	Surface	1	1	29.5	8.35	19.87	82.8	5.78	2.4	3.9
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS(Mf)5	17:24:33	1.0	Surface	1	2	29.26	8.33	20.93	82.9	5.71	2.4	3.4
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS(Mf)5	17:24:22	6.0	Middle	2	1	27.33	8.25	28.17	82.5	5.69	2.3	3.8
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS(Mf)5	17:23:45	6.0	Middle	2	2	27.49	8.27	27.95	76.3	5.28	2.3	4.7
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS(Mf)5	17:23:36	11.0	Bottom	3	1	27.07	8.25	29.26	75	5.19	2.3	3.4
HKLR	HY/2011/03	2016-08-24	Mid-Ebb	Sunny	CS(Mf)5	17:24:13	11.0	Bottom	3	2	27.15	8.24	29.31	78.2	5.42	2.4	4.7
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS5	12:25:25	1.0	Surface	1	1	28.93	8.24	23.34	77.3	5.23	5.5	5.4
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS5	12:25:54	1.0	Surface	1	2	28.69	8.23	23.48	76.5	5.16	5.4	3.9
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS5	12:25:13	4.4	Middle	2	1	28.37	8.22	24.41	77.4	5.2	5.6	7.4
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS5	12:25:47	4.4	Middle	2	2	28.33	8.21	24.66	73.5	5.01	5.6	6.5
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS5	12:25:37	7.8	Bottom	3	1	28.32	8.21	25.78	72.7	4.93	5.6	5.9
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS5	12:25:06	7.8	Bottom	3	2	28.57	8.22	25.53	74.8	5.08	5.7	6
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS(Mf)6	12:18:47	1.0	Surface	1	1	28.99	8.27	23.31	92.3	6.24	3.3	3.2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS(Mf)6	12:19:04	1.0	Surface	1	2	29.1	8.27	23.23	92.4	6.24	3.3	2.9
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS(Mf)6	12:18:55	2.3	Bottom	3	1	28.96	8.27	23.38	92.2	6.23	3.3	3.7
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS(Mf)6	12:18:42	2.3	Bottom	3	2	29.07	8.27	23.27	92.3	6.24	3.1	4.5
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS7	12:09:34	1.0	Surface	1	1	28.62	8.19	23.35	77.4	5.27	5.4	5.4
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS7	12:09:22	1.0	Surface	1	2	28.61	8.19	23.39	77.5	5.27	5.2	4.9
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS7	12:09:27	2.3	Bottom	3	1	28.61	8.19	23.49	77.5	5.27	5.3	6.3
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS7	12:09:16	2.3	Bottom	3	2	28.61	8.19	23.5	77.7	5.28	5.3	5.7
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS8	11:50:23	1.0	Surface	1	1	28.66	8.22	22.52	77.7	5.31	5.8	3
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS8	11:50:07	1.0	Surface	1	2	28.69	8.22	22.48	77.5	5.29	5.7	4.3
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS8	11:50:15	2.9	Bottom	3	1	28.6	8.21	23.43	77.8	5.29	5.9	3.9
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS8	11:49:59	2.9	Bottom	3	2	28.56	8.21	23.72	77.9	5.29	5.8	4.1
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS(Mf)9	12:03:11	1.0	Surface	1	1	28.62	8.2	23.28	78.9	5.37	5.6	5.8
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS(Mf)9	12:03:23	1.0	Surface	1	2	28.62	8.2	23.32	78.4	5.34	5.5	6.3
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS(Mf)9	12:03:16	2.7	Bottom	3	1	28.61	8.2	23.49	78.8	5.36	5.6	5.8
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS(Mf)9	12:03:03	2.7	Bottom	3	2	28.6	8.2	23.54	79.4	5.4	5.7	6
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS10	11:17:31	1.0	Surface	1	1	28.7	7.98	21.63	79.6	5.46	3.8	2.4
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS10	11:16:46	1.0	Surface	1	2	28.26	7.96	22.83	74.6	5.09	3.7	3.3
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS10	11:17:05	5.6	Middle	2	1	28.18	7.95	23.33	75.1	5.11	3.9	2.8
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS10	11:16:40	5.6	Middle	2	2	28.02	7.93	23.95	73.5	5.05	3.9	3.7
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS10	11:16:21	10.1	Bottom	3	1	28	7.91	24.92	72.9	5.02	4	4.2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	IS10	11:16:57	10.1	Bottom	3	2	28.1	7.93	25.07	74.5	5.11	3.9	3
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR3	12:35:34	0.7	Middle	2	1	29.12	8.24	23.33	87.2	5.88	2.7	3.7
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR3	12:35:39	0.7	Middle	2	2	29.14	8.24	23.33	87.7	5.92	2.7	3.3
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR4	11:56:21	1.0	Surface	1	1	28.62	8.2	22.56	77.9	5.32	5.6	3.7
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR4	11:56:33	1.0	Surface	1	2	28.61	8.2	22.58	77.6	5.31	5.4	3.7
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR4	11:56:15	2.9	Bottom	3	1	28.63	8.2	23.41	78.1	5.31	5.7	4.2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR4	11:56:27	2.9	Bottom	3	2	28.61	8.19	23.31	77.9	5.3	5.5	2.9
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR5	11:22:38	1.0	Surface	1	1	28.42	7.97	22.42	75.6	5.19	3.6	2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR5	11:23:25	1.0	Surface	1	2	28.59	7.99	22.3	77	5.27	3.7	2.8
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR5	11:22:27	4.0	Bottom	3	1	28.03	7.93	24.7	75.4	5.14	3.8	3.8
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR5	11:23:09	4.0	Bottom	3	2	28.06	7.95	24.52	73.9	5.04	4	2.9
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10A	10:42:00	1.0	Surface	1	1	28.18	8.2	24.36	77.5	5.4	2.1	3.6
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10A	10:41:32	1.0	Surface	1	2	28.1	8.2	24.5	77.8	5.37	2.3	2.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10A	10:41:52	3.4	Middle	2	1	27.88	8.19	26.43	76.4	5.29	2.2	4.2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10A	10:41:24	3.4	Middle	2	2	27.5	8.17	27.88	77	5.27	2.2	4
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10A	10:41:43	5.7	Bottom	3	1	27.43	8.14	30.43	76.5	5.24	2.3	5.6
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10A	10:41:16	5.7	Bottom	3	2	27.63	8.14	30.35	76.1	5.26	2.2	4.5
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10B	10:31:45	1.0	Surface	1	1	27.85	8.19	25.47	78.2	5.44	2.1	3.1
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10B	10:32:00	1.0	Surface	1	2	28.02	8.19	25.27	78.4	5.45	2.3	2.4
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10B	10:31:39	4.1	Bottom	3	1	27.95	8.17	29.44	78.1	5.33	2.2	3.1
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	SR10B	10:31:52	4.1	Bottom	3	2	27.9	8.16	29.18	78.2	5.34	2.2	4.4
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS2	12:12:38	1.0	Surface	1	1	29.2	8.02	18.69	80.9	5.59	4.3	2.4
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS2	12:13:38	1.0	Surface	1	2	29.17	8.04	17.54	81.2	5.65	4.3	3.2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS2	12:12:21	4.0	Middle	2	1	28.46	7.99	21.01	77.6	5.31	4.7	5.2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS2	12:13:29	4.0	Middle	2	2	28.49	7.98	21.8	79.1	5.44	4.3	5.9
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS2	12:12:55	7.0	Bottom	3	1	28.03	7.93	23.82	78.3	5.36	4.6	4.8
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS2	12:12:11	7.0	Bottom	3	2	27.9	7.94	24.51	73.4	5.07	4.7	5.2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS(Mf)5	11:16:48	1.0	Surface	1	1	28.34	8.22	23.85	74.8	5.16	5.2	6
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS(Mf)5	11:17:18	1.0	Surface	1	2	28.28	8.22	23.9	74.5	5.13	4.7	5.6
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS(Mf)5	11:17:10	6.3	Middle	2	1	27.04	8.16	30.46	73.4	5.11	4.8	5.8
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS(Mf)5	11:16:39	6.3	Middle	2	2	27.07	8.16	30.34	74	5.13	4.8	4.5
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS(Mf)5	11:16:31	11.5	Bottom	3	1	27.31	8.15	30.5	73.2	5.05	4.9	7.2
HKLR	HY/2011/03	2016-08-24	Mid-Flood	Sunny	CS(Mf)5	11:17:02	11.5	Bottom	3	2	27.27	8.16	30.52	72.9	5.02	4.8	6.1
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS5	08:37:37	1.0	Surface	1	1	29.4	8.41	22.41	78.2	5.28	6.2	4.2
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS5	08:37:00	1.0	Surface	1	2	29.25	8.41	22.66	81.3	5.47	6.1	2.9
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS5	08:37:24	4.0	Middle	2	1	27.75	8.35	26.82	77.8	5.25	6.1	7.4
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS5	08:36:49	4.0	Middle	2	2	27.59	8.36	27.37	76.2	5.16	6.2	6.7
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS5	08:37:13	7.0	Bottom	3	1	27.5	8.35	28.27	73.8	4.98	6.2	6.4
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS5	08:36:43	7.0	Bottom	3	2	27.75	8.38	28.16	76	5.14	6.6	5.8
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS(Mf)6	08:25:51	1.0	Surface	1	1	29.55	8.48	22.41	109.9	7.4	4.1	6.2
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS(Mf)6	08:26:39	1.0	Surface	1	2	29.53	8.49	22.41	114	7.68	4.1	6.2
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS(Mf)6	08:25:41	2.0	Bottom	3	1	29.18	8.45	23.27	107.5	7.25	4.3	4.5
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS(Mf)6	08:26:27	2.0	Bottom	3	2	29.39	8.48	23.32	115.3	7.74	4.2	4.7
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS7	08:18:13	1.0	Surface	1	1	29.27	8.46	22.3	107.5	7.26	4.8	3.6
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS7	08:18:26	1.0	Surface	1	2	29.25	8.46	22.23	109.6	7.37	4.8	3.2
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS7	08:18:19	2.3	Bottom	3	1	29.2	8.44	23.79	107.8	7.3	4.9	4.1
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS7	08:18:07	2.3	Bottom	3	2	29.33	8.45	23.78	107.2	7.21	4.7	3
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS8	07:53:31	1.0	Surface	1	1	29.22	8.4	22.31	107.4	7.28	6	3.5
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS8	07:53:43	1.0	Surface	1	2	29.24	8.41	22.26	106.8	7.23	6	3.3
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS8	07:53:26	2.7	Bottom	3	1	29.35	8.4	23.86	106.8	7.16	6	4.3
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS8	07:53:36	2.7	Bottom	3	2	29.24	8.39	24.03	108.5	7.28	6.1	3.1
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS(Mf)9	08:10:04	1.0	Surface	1	1	29.04	8.43	22.45	104.6	7.02	4.5	3.4
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS(Mf)9	08:10:18	1.0	Surface	1	2	29.23	8.44	22.37	101.6	6.81	4.4	2.7
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS(Mf)9	08:09:58	2.7	Bottom	3	1	29.2	8.42	24.22	100.9	6.85	4.4	2.8
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS(Mf)9	08:10:10	2.7	Bottom	3	2	29.06	8.41	24.7	100	6.77	4.5	2.4
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS10	06:59:08	1.0	Surface	1	1	29.4	7.98	12.94	80.7	5.7	3.7	5
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS10	06:59:33	1.0	Surface	1	2	29.51	8.02	11.85	80.3	5.73	3.7	4.7
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS10	06:59:24	5.4	Middle	2	1	29.38	7.95	14.63	79.5	5.6	3.9	5.2
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS10	06:59:03	5.4	Middle	2	2	29.36	7.95	14.81	79	5.54	3.9	4.8
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS10	06:59:17	9.7	Bottom	3	1	29.42	7.96	15.12	78.3	5.57	4.1	4.2
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	IS10	06:58:56	9.7	Bottom	3	2	29.41	7.96	15.55	78.7	5.53	4.1	4.7
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR3	08:46:18	0.9	Middle	2	1	29.38	8.42	22.43	98.8	6.67	4.6	2.6
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR3	08:46:25	0.9	Middle	2	2	29.47	8.42	22.3	99.9	6.74	4.7	4
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR4	08:00:42	1.0	Surface	1	1	29.3	8.42	22.38	104.2	7.04	7.5	4.5
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR4	08:00:55	1.0	Surface	1	2	29.22	8.42	22.58	104.5	7.07	7.4	4.7

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	2016-08-26	Mid-Ebb	Sunny	SR4	08:00:48	2.6	Bottom	3	1	29.24	8.41	24	106.6	7.15	7.2	3.7
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR4	08:00:34	2.6	Bottom	3	2	29.25	8.41	23.87	103.3	6.93	7.5	4.2
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR5	07:13:40	1.0	Surface	1	1	29.45	7.99	12.12	81.4	5.75	3.9	3.9
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR5	07:13:55	1.0	Surface	1	2	29.5	8	11.88	81.5	5.82	4.1	3.9
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR5	07:13:31	4.1	Bottom	3	1	29.4	7.93	14.34	79.5	5.61	4	2.7
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR5	07:13:48	4.1	Bottom	3	2	29.46	7.96	13.95	80.9	5.71	4.1	3.1
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10A	06:43:22	1.0	Surface	1	1	28.72	8.21	22.86	81	5.54	3	2.9
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10A	06:43:01	1.0	Surface	1	2	28.72	8.21	22.78	80.9	5.53	3.2	2.3
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10A	06:43:16	3.3	Middle	2	1	28.61	8.2	23.24	80.9	5.51	3.3	2.8
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10A	06:42:53	3.3	Middle	2	2	28.58	8.2	23.58	80.9	5.49	3.1	2.7
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10A	06:43:09	5.5	Bottom	3	1	28.67	8.19	24.58	80.6	5.49	3	2.3
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10A	06:42:44	5.5	Bottom	3	2	28.64	8.19	24.57	80.5	5.49	3	3
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10B	06:31:09	1.0	Surface	1	1	28.82	8.23	23.01	81.9	5.59	3.1	2.9
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10B	06:31:27	1.0	Surface	1	2	28.86	8.23	22.67	81.8	5.58	3.1	2.8
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10B	06:31:00	3.9	Bottom	3	1	28.68	8.22	24.35	81.7	5.54	3.1	4.1
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	SR10B	06:31:18	3.9	Bottom	3	2	28.66	8.21	24.31	81.7	5.55	3.1	3
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS2	08:31:04	1.0	Surface	1	1	29.45	7.9	15.24	74.9	5.23	3.4	4.5
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS2	08:31:32	1.0	Surface	1	2	29.38	7.9	16.07	76.5	5.31	3.5	4.9
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS2	08:30:54	4.1	Middle	2	1	29.29	7.86	16.74	75	5.19	3.6	4.5
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS2	08:31:20	4.1	Middle	2	2	29.23	7.86	17.03	74.8	5.25	3.6	4.8
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS2	08:30:46	7.2	Bottom	3	1	29.23	7.82	17.79	74.1	5.17	3.7	5.4
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS2	08:31:14	7.2	Bottom	3	2	29.28	7.85	18.38	73.9	5.17	3.8	6.3
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS(Mf)5	07:18:10	1.0	Surface	1	1	29.01	8.24	21.56	77.4	5.3	4.2	3.6
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS(Mf)5	07:18:41	1.0	Surface	1	2	28.56	8.22	22.22	76.7	5.25	4.3	4.4
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS(Mf)5	07:17:59	6.2	Middle	2	1	27.87	8.19	25.21	76.2	5.12	5.3	3.9
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS(Mf)5	07:18:33	6.2	Middle	2	2	28.08	8.19	24.78	76.4	5.15	5.1	3.5
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS(Mf)5	07:18:23	11.3	Bottom	3	1	28.01	8.15	28.61	74.9	5.12	5.2	3.6
HKLR	HY/2011/03	2016-08-26	Mid-Ebb	Sunny	CS(Mf)5	07:17:51	11.3	Bottom	3	2	27.92	8.15	28.74	74.5	5.1	4.8	2.8
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS5	12:59:03	1.0	Surface	1	1	29.72	8.54	22.65	124	8.31	4.5	6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS5	12:59:29	1.0	Surface	1	2	29.96	8.52	22.33	122.9	8.21	4.5	6.7
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS5	12:59:20	4.1	Middle	2	1	28.12	8.46	25.81	103.7	6.99	6.2	6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS5	12:58:49	4.1	Middle	2	2	28.16	8.48	25.74	113.1	7.63	6.3	6.4
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS5	12:59:11	7.1	Bottom	3	1	28.05	8.49	26.74	93.8	6.28	6.4	5.2
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS5	12:58:39	7.1	Bottom	3	2	27.97	8.51	26.88	90.5	6.13	6.4	6.8
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS(Mf)6	13:08:46	1.0	Surface	1	1	29.92	8.51	21.63	142.7	9.59	3	5.1
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS(Mf)6	13:08:34	1.0	Surface	1	2	29.88	8.51	21.72	139.7	9.39	2.9	5
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS(Mf)6	13:08:40	2.2	Bottom	3	1	29.91	8.51	22.48	139.5	9.34	3	4.1
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS(Mf)6	13:08:27	2.2	Bottom	3	2	29.88	8.49	22.57	135.5	9.06	3.1	5
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS7	13:16:37	1.0	Surface	1	1	29.16	8.48	23.47	92.5	6.23	11.1	3.4
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS7	13:16:23	1.0	Surface	1	2	28.94	8.48	23.07	91.8	6.22	11.2	3.2
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS7	13:16:29	2.1	Bottom	3	1	28.92	8.47	24.59	92.1	6.19	11.4	5.5
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS7	13:16:16	2.1	Bottom	3	2	28.91	8.48	24.52	94.1	6.33	11.2	4
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS8	13:33:59	1.0	Surface	1	1	29.59	8.58	21.82	133.7	9.03	10.3	5.1
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS8	13:34:15	1.0	Surface	1	2	29.6	8.58	21.7	133.3	9.01	10.5	5.4
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS8	13:33:52	2.8	Bottom	3	1	29.55	8.56	22.89	131	8.8	10.4	8.5
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS8	13:34:06	2.8	Bottom	3	2	29.58	8.57	22.96	134.1	9	10.6	7.5
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS(Mf)9	13:18:42	1.0	Surface	1	1	29.45	8.56	21.94	118.2	7.99	6.1	9.7
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS(Mf)9	13:18:56	1.0	Surface	1	2	29.69	8.56	21.66	120.2	8.11	6.1	9.5
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS(Mf)9	13:18:48	2.9	Bottom	3	1	29.52	8.55	23.74	119.8	8.02	6	11.2
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS(Mf)9	13:18:36	2.9	Bottom	3	2	29.4	8.54	23.98	120.4	8.06	6	11.5
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS10	13:37:14	1.0	Surface	1	1	29.8	7.96	9.84	80.4	5.71	4.2	6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS10	13:37:52	1.0	Surface	1	2	29.89	7.99	9.51	80.4	5.78	4.3	5.9

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	2016-08-26	Mid-Flood	Sunny	IS10	13:37:39	5.5	Middle	2	1	29.6	7.95	10.36	79.4	5.67	4.4	5.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS10	13:37:05	5.5	Middle	2	2	29.82	7.92	12.04	78.9	5.67	4.4	5.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS10	13:36:58	9.9	Bottom	3	1	30	7.99	16.83	77.5	5.55	4.6	4.8
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	IS10	13:37:27	9.9	Bottom	3	2	29.19	7.79	15.65	77.7	5.59	4.6	5.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR3	12:46:52	0.7	Middle	2	1	29.82	8.54	21.91	138.9	9.34	3.7	6.3
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR3	12:46:46	0.7	Middle	2	2	29.89	8.55	21.76	139.5	9.38	3.6	5.7
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR4	13:27:45	1.0	Surface	1	1	29.59	8.57	21.12	125.9	8.53	10.6	4.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR4	13:27:28	1.0	Surface	1	2	29.57	8.56	21.66	127.2	8.6	10.7	4.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR4	13:27:36	2.7	Bottom	3	1	29.57	8.55	22.92	125.4	8.42	10.5	5.2
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR4	13:27:18	2.7	Bottom	3	2	29.49	8.54	22.84	127.3	8.56	10.3	5.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR5	13:29:45	1.0	Surface	1	1	29.85	7.92	11.41	83.4	6.08	4.2	6.3
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR5	13:30:10	1.0	Surface	1	2	29.65	7.93	10.77	83.2	6.05	4.2	5.9
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR5	13:29:57	4.2	Bottom	3	1	29.34	7.78	17.27	82.4	5.83	4.5	5.1
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR5	13:29:36	4.2	Bottom	3	2	29.79	7.89	16.77	81.1	5.77	4.4	6.2
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10A	15:02:59	1.0	Surface	1	1	29.63	8.35	19.32	82.8	5.61	3.3	3.9
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10A	15:02:23	1.0	Surface	1	2	29.77	8.36	19.48	84.6	5.77	3.2	3.3
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10A	15:02:50	3.3	Middle	2	1	28.76	8.29	23.41	82.1	5.51	3.3	4.9
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10A	15:02:11	3.3	Middle	2	2	29.35	8.31	23.13	78.9	5.3	3.4	4.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10A	15:02:02	5.5	Bottom	3	1	27.78	8.25	28.04	77	5.18	3.3	3.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10A	15:02:41	5.5	Bottom	3	2	27.69	8.24	28.41	77.9	5.28	3.2	4.4
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10B	15:12:28	1.0	Surface	1	1	29.87	8.34	19.31	82.4	5.62	2.2	3.8
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10B	15:12:05	1.0	Surface	1	2	29.76	8.33	19.6	86.5	5.9	2.1	4
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10B	15:12:18	4.2	Bottom	3	1	28.27	8.26	26.3	82	5.52	2.3	2.8
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	SR10B	15:11:58	4.2	Bottom	3	2	29.57	8.3	24.67	87.4	5.81	2.2	3
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS2	12:45:58	1.0	Surface	1	1	29.88	8.05	10.24	81.4	5.81	3.8	4.3
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS2	12:45:24	1.0	Surface	1	2	29.7	8.08	11.58	81.4	5.75	3.9	4.9
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS2	12:45:11	4.2	Middle	2	1	29.48	8.05	13.85	80.5	5.61	4.1	5.8
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS2	12:45:46	4.2	Middle	2	2	29.5	7.98	13.97	80.7	5.75	4.1	5.7
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS2	12:45:00	7.3	Bottom	3	1	29.41	8.03	15.81	79.3	5.6	4.3	5.1
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS2	12:45:38	7.3	Bottom	3	2	29.57	7.96	16.32	79.8	5.71	4.2	5.7
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS(Mf)5	14:29:28	1.0	Surface	1	1	29.9	8.38	19.37	87.9	5.9	3.6	2.7
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS(Mf)5	14:28:55	1.0	Surface	1	2	30.08	8.4	18.91	88.7	6.05	3.4	2.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS(Mf)5	14:28:40	6.1	Middle	2	1	27.71	8.3	27.39	88.6	5.95	3.5	3.1
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS(Mf)5	14:29:18	6.1	Middle	2	2	27.83	8.29	27.51	82.8	5.65	3.5	3.6
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS(Mf)5	14:28:32	11.1	Bottom	3	1	27.77	8.29	29.38	82	5.56	3.6	4
HKLR	HY/2011/03	2016-08-26	Mid-Flood	Sunny	CS(Mf)5	14:29:07	11.1	Bottom	3	2	27.61	8.28	29.81	80	5.42	3.5	2.2
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS5	12:07:35	1.0	Surface	1	1	27.87	8.36	25.68	78.8	5.39	8.9	4.6
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS5	12:07:10	1.0	Surface	1	2	27.84	8.36	25.76	79.6	5.41	8.8	4.4
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS5	12:07:02	4.1	Middle	2	1	27.47	8.33	27.53	77.9	5.38	9.8	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS5	12:07:27	4.1	Middle	2	2	27.46	8.33	27.19	77.7	5.36	9.5	5.8
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS5	12:06:55	7.1	Bottom	3	1	27.6	8.32	29.39	77	5.29	9.4	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS5	12:07:19	7.1	Bottom	3	2	27.61	8.32	29.42	76.4	5.26	9.1	4.1
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS(Mf)6	11:59:37	1.0	Surface	1	1	28.23	8.38	24.99	93.8	6.44	4.5	4.9
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS(Mf)6	11:59:27	1.0	Surface	1	2	28.25	8.38	24.71	93.5	6.42	4.3	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS(Mf)6	11:59:31	2.2	Bottom	3	1	28.26	8.38	25.36	93.8	6.43	4.4	5.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS(Mf)6	11:59:20	2.2	Bottom	3	2	28.23	8.38	25.52	93.2	6.38	4.5	5.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS7	11:49:19	1.0	Surface	1	1	28.12	8.31	24.98	81.5	5.69	7.4	6.1
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS7	11:49:33	1.0	Surface	1	2	28.32	8.32	25.8	84.9	5.88	7.3	6.3
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS7	11:49:24	2.2	Bottom	3	1	28.25	8.3	27.28	83.6	5.76	7.3	5.3
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS7	11:49:14	2.2	Bottom	3	2	28.12	8.3	27.28	81.8	5.65	7.4	4.6
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS8	11:26:48	1.0	Surface	1	1	28.35	8.35	24.54	84.1	5.79	5.4	4.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS8	11:27:07	1.0	Surface	1	2	28.57	8.37	23.85	86.9	5.97	5.4	3.8

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	2016-08-29	Mid-Ebb	Sunny	IS8	11:26:54	2.7	Bottom	3	1	28.39	8.33	26.54	85.8	5.84	5.5	5.4
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS8	11:26:40	2.7	Bottom	3	2	28.24	8.32	27.76	84.9	5.75	5.2	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS(Mf)9	11:43:21	1.0	Surface	1	1	27.97	8.31	25.48	76.9	5.23	6.6	4.9
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS(Mf)9	11:43:10	1.0	Surface	1	2	28.12	8.33	24.81	77.9	5.29	6.5	3.8
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS(Mf)9	11:43:04	2.9	Bottom	3	1	28.05	8.3	28.13	76.1	5.25	6.6	5.8
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS(Mf)9	11:43:15	2.9	Bottom	3	2	28.13	8.31	28.02	74.8	5.16	6.6	7.1
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS10	11:11:54	1.0	Surface	1	1	27.8	8.2	20.18	88.5	6.21	3.1	3.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS10	11:12:37	1.0	Surface	1	2	27.8	8.2	20.54	87.7	6.14	3.1	4.1
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS10	11:11:36	5.6	Middle	2	1	27.81	8.2	20.33	87.5	6.14	3.1	2.8
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS10	11:12:21	5.6	Middle	2	2	27.8	8.19	20.83	87.6	6.12	3.2	3.2
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS10	11:11:27	10.2	Bottom	3	1	27.8	8.2	20.27	87.5	6.14	3.2	2.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	IS10	11:12:14	10.2	Bottom	3	2	27.8	8.19	20.83	87	6.1	3.2	4
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR3	12:16:15	0.7	Middle	2	1	28.23	8.38	24.53	81.3	5.53	4.5	4.3
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR3	12:16:09	0.7	Middle	2	2	28.21	8.38	24.58	79.5	5.41	4.5	5.4
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR4	11:34:22	1.0	Surface	1	1	28.34	8.35	24.63	79.6	5.48	6.5	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR4	11:34:37	1.0	Surface	1	2	28.33	8.34	24.43	79.1	5.45	6.6	4.1
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR4	11:34:14	2.8	Bottom	3	1	28.18	8.31	27.92	80.1	5.44	6.5	5.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR4	11:34:30	2.8	Bottom	3	2	28.11	8.31	27.93	81.2	5.52	6.6	5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR5	11:20:28	1.0	Surface	1	1	27.8	8.19	19.15	87	6.12	3.2	4.2
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR5	11:19:22	1.0	Surface	1	2	27.8	8.19	21.61	86.5	6.02	3.3	3.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR5	11:18:55	4.1	Bottom	3	1	27.79	8.19	21.09	84.6	5.91	3.5	5.1
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR5	11:20:11	4.1	Bottom	3	2	27.77	8.19	19.75	85.4	6.03	3.5	5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10A	10:17:04	1.0	Surface	1	1	27.45	8.28	27.02	80.2	5.43	3.1	3.4
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10A	10:17:30	1.0	Surface	1	2	27.71	8.3	25.89	80.3	5.54	3.1	3.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10A	10:16:58	3.4	Middle	2	1	26.96	8.25	30.37	78.1	5.37	3.3	3.4
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10A	10:17:19	3.4	Middle	2	2	27.11	8.25	30.13	79.8	5.39	3.5	3.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10A	10:17:11	5.7	Bottom	3	1	27.35	8.25	31.48	77.9	5.31	3.5	4.4
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10A	10:16:51	5.7	Bottom	3	2	27.09	8.24	31.65	77.9	5.33	3.3	6.1
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10B	10:06:07	1.0	Surface	1	1	27.59	8.26	27.57	84.3	5.78	2.6	5.2
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10B	10:06:35	1.0	Surface	1	2	27.54	8.26	27.99	82.4	5.64	2.5	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10B	10:05:57	4.1	Bottom	3	1	27.43	8.22	31.1	84.3	5.69	2.7	4.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	SR10B	10:06:25	4.1	Bottom	3	2	27.12	8.22	30.97	83	5.63	2.6	3.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS2	12:13:59	1.0	Surface	1	1	27.73	8.19	17.54	83.6	5.95	3.9	5.3
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS2	12:14:20	1.0	Surface	1	2	27.75	8.19	17.78	82.8	5.9	3.7	5.3
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS2	12:13:55	4.0	Middle	2	1	27.67	8.18	17.66	82	5.85	3.9	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS2	12:14:12	4.0	Middle	2	2	27.65	8.19	17.98	82.7	5.89	3.7	4.6
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS2	12:14:07	7.0	Bottom	3	1	27.71	8.18	17.94	82	5.84	3.7	4.6
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS2	12:13:47	7.0	Bottom	3	2	27.6	8.16	18.17	81.9	5.84	4	4.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS(Mf)5	10:50:30	1.0	Surface	1	1	27.14	8.3	26.33	76.3	5.19	3.6	3.6
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS(Mf)5	10:49:57	1.0	Surface	1	2	27.75	8.32	25.75	76.8	5.3	3.8	3.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS(Mf)5	10:50:21	6.3	Middle	2	1	26.44	8.25	32.05	75.8	5.16	3.8	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS(Mf)5	10:49:41	6.3	Middle	2	2	26.46	8.25	31.93	74.7	5.09	3.9	3.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS(Mf)5	10:50:12	11.6	Bottom	3	1	26.54	8.25	32.3	70.8	4.93	3.8	5.7
HKLR	HY/2011/03	2016-08-29	Mid-Ebb	Sunny	CS(Mf)5	10:49:28	11.6	Bottom	3	2	26.51	8.24	32.48	69.9	4.79	3.9	5.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	ISS	16:51:51	1.0	Surface	1	1	28.16	8.42	25.98	90	5.99	5.6	6
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	ISS	16:52:13	1.0	Surface	1	2	28.05	8.39	26.08	86	5.71	5.7	5.8
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	ISS	16:51:43	4.3	Middle	2	1	27.87	8.39	27.55	83.2	5.62	5.6	5.8
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	ISS	16:52:07	4.3	Middle	2	2	27.81	8.36	28.03	84.3	5.59	5.5	5.5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	ISS	16:51:37	7.5	Bottom	3	1	28.05	8.4	29.57	77.4	5.22	5.7	6.1
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	ISS	16:51:59	7.5	Bottom	3	2	28.04	8.38	29.74	81.6	5.51	5.5	6.8
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS(Mf)6	17:04:01	1.0	Surface	1	1	28.31	8.37	25.65	106.4	7.18	4.2	5.5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS(Mf)6	17:03:47	1.0	Surface	1	2	28.33	8.38	25.59	107.6	7.22	4.2	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	2016-08-29	Mid-Flood	Sunny	IS(Mf)6	17:03:52	2.4	Bottom	3	1	28.33	8.36	27.18	106.5	7.13	4.2	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS(Mf)6	17:03:40	2.4	Bottom	3	2	28.35	8.37	26.56	102.4	6.92	4.2	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS7	17:10:54	1.0	Surface	1	1	28.21	8.36	25.71	93.6	6.33	5.6	4.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS7	17:11:06	1.0	Surface	1	2	28.17	8.35	25.89	92.5	6.25	5.7	4.6
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS7	17:10:48	2.3	Bottom	3	1	28.22	8.34	27.47	95	6.36	5.8	5.3
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS7	17:10:59	2.3	Bottom	3	2	28.2	8.34	28.11	94.8	6.32	5.9	5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS8	17:33:06	1.0	Surface	1	1	28.06	8.39	26.85	79.5	5.43	19.5	13.5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS8	17:32:53	1.0	Surface	1	2	28	8.38	26.98	80.5	5.47	19.4	13.6
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS8	17:32:46	2.6	Bottom	3	1	27.96	8.37	28.42	78.2	5.35	19.5	13.1
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS8	17:32:58	2.6	Bottom	3	2	28.04	8.38	28.2	79.1	5.37	18.9	13.5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS(Mf)9	17:17:09	1.0	Surface	1	1	28.13	8.46	26.75	78.1	5.26	11.2	10
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS(Mf)9	17:16:25	1.0	Surface	1	2	28.07	8.47	26.87	81.2	5.43	11.5	10.8
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS(Mf)9	17:16:15	2.6	Bottom	3	1	28	8.46	28.27	77.6	5.23	11.4	11.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS(Mf)9	17:16:31	2.6	Bottom	3	2	28.04	8.46	27.72	77.9	5.22	11.4	11
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS10	17:23:25	1.0	Surface	1	1	27.74	8.23	20.19	80.7	5.62	6	5.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS10	17:23:05	1.0	Surface	1	2	27.75	8.23	20.28	77.4	5.44	5.8	4
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS10	17:22:57	5.5	Middle	2	1	27.5	8.21	20.86	76.5	5.35	5.8	4.3
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS10	17:23:17	5.5	Middle	2	2	27.51	8.21	20.77	79.3	5.58	6	5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS10	17:22:49	10.0	Bottom	3	1	27.43	8.2	22.02	75.1	5.28	6.1	4.8
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	IS10	17:23:12	10.0	Bottom	3	2	27.67	8.22	22.02	79.3	5.57	6.2	6.1
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR3	16:21:30	0.7	Middle	2	1	28.34	8.34	25.32	107.5	7.27	3.6	6.3
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR3	16:21:25	0.7	Middle	2	2	28.34	8.34	25.27	107.3	7.25	3.6	6.4
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR4	17:27:32	1.0	Surface	1	1	28.08	8.4	26.88	84.6	5.77	18.5	12.4
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR4	17:27:51	1.0	Surface	1	2	28.07	8.4	26.88	86.8	5.9	18.3	12.3
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR4	17:27:24	2.8	Bottom	3	1	28.03	8.39	27.81	82.5	5.62	18.7	12.8
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR4	17:27:41	2.8	Bottom	3	2	27.95	8.38	27.9	80.6	5.51	18.4	14
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR5	17:16:16	1.0	Surface	1	1	27.79	8.25	20.72	83	5.79	5.8	5.1
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR5	17:16:51	1.0	Surface	1	2	27.81	8.25	20.5	82.8	5.8	6	5.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR5	17:16:37	4.1	Bottom	3	1	27.62	8.23	21.62	82.5	5.77	6	5.1
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR5	17:16:03	4.1	Bottom	3	2	27.59	8.23	21.98	81.9	5.74	6	5.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10A	18:56:35	1.0	Surface	1	1	27.27	8.35	29.1	83.5	5.76	4.6	5.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10A	18:57:09	1.0	Surface	1	2	27.28	8.35	28.9	81	5.6	4.5	4.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10A	18:57:01	3.3	Middle	2	1	27.11	8.34	30.1	80.6	5.6	4.6	4.7
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10A	18:56:27	3.3	Middle	2	2	27.17	8.34	30.02	82.3	5.69	4.7	4.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10A	18:56:53	5.5	Bottom	3	1	27.05	8.33	30.44	80	5.54	4.6	4.6
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10A	18:56:20	5.5	Bottom	3	2	27.27	8.34	30.11	82.1	5.69	4.6	4
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10B	19:06:33	1.0	Surface	1	1	27.26	8.34	29.34	82.1	5.69	4.6	4.3
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10B	19:06:18	1.0	Surface	1	2	27.25	8.34	29.18	81.9	5.68	4.5	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10B	19:06:08	4.0	Bottom	3	1	27.24	8.34	29.97	82.2	5.68	4.5	3.7
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	SR10B	19:06:24	4.0	Bottom	3	2	27.25	8.34	29.99	82.3	5.69	4.5	4.4
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS2	16:28:38	1.0	Surface	1	1	27.92	8.29	26.48	80.2	5.42	3.7	4.4
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS2	16:29:13	1.0	Surface	1	2	27.89	8.27	26.57	80.3	5.41	4	4.9
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS2	16:28:30	4.1	Middle	2	1	27.78	8.29	26.78	76.7	5.17	3.9	4.1
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS2	16:29:05	4.1	Middle	2	2	27.73	8.26	26.96	78.8	5.33	4	4.2
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS2	16:28:53	7.1	Bottom	3	1	27.62	8.26	28.12	77.1	5.21	4	3.9
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS2	16:28:10	7.1	Bottom	3	2	27.52	8.3	28.16	76.3	5.16	3.9	4.3
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS(Mf)5	18:12:32	1.0	Surface	1	1	27.39	8.38	28.13	79.5	5.52	6.9	5.1
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS(Mf)5	18:13:00	1.0	Surface	1	2	27.13	8.36	29.46	74.8	5.16	6.6	5.4
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS(Mf)5	18:12:52	6.2	Middle	2	1	26.91	8.35	30.61	74.3	5.08	6.6	4.5
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS(Mf)5	18:12:15	6.2	Middle	2	2	26.78	8.35	30.8	75	5.2	6.8	4.7
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS(Mf)5	18:12:44	11.3	Bottom	3	1	27.06	8.35	31.39	73.1	5.02	6.8	4.1
HKLR	HY/2011/03	2016-08-29	Mid-Flood	Sunny	CS(Mf)5	18:12:09	11.3	Bottom	3	2	26.67	8.34	31.64	73.6	5.01	6.8	4.7

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	2016-08-31	Mid-Ebb	Sunny	IS5	13:36:50	1.0	Surface	1	1	27.93	8.38	29.49	77.4	5.15	12.7	11.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS5	13:36:14	1.0	Surface	1	2	27.96	8.38	29.43	77.6	5.16	13.5	11.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS5	13:36:02	4.1	Middle	2	1	27.88	8.38	29.56	77.3	5.14	13.5	14.5
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS5	13:36:42	4.1	Middle	2	2	27.88	8.38	29.59	77.2	5.13	13.4	13.6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS5	13:35:56	7.2	Bottom	3	1	27.9	8.38	29.57	77.3	5.14	13.3	14.3
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS5	13:36:35	7.2	Bottom	3	2	27.86	8.38	29.68	77.2	5.13	13.5	13.6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS(Mf)6	13:24:30	1.0	Surface	1	1	28.05	8.41	29.27	79.9	5.31	11.6	11.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS(Mf)6	13:24:19	1.0	Surface	1	2	28.04	8.41	29.26	80.5	5.35	11.3	13.1
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS(Mf)6	13:24:24	2.3	Bottom	3	1	28.05	8.41	29.27	80.2	5.33	11.5	13.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS(Mf)6	13:24:14	2.3	Bottom	3	2	28.02	8.41	29.28	81	5.39	11.2	13.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS7	13:17:30	1.0	Surface	1	1	28.11	8.34	29.02	79.1	5.26	5.7	4.6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS7	13:17:19	1.0	Surface	1	2	28.15	8.34	28.97	79.1	5.26	5.8	4.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS7	13:17:14	2.2	Bottom	3	1	28.2	8.34	29	79.1	5.25	5.6	5.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS7	13:17:24	2.2	Bottom	3	2	28.16	8.34	29.03	79.3	5.27	5.8	4.6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS8	12:52:06	1.0	Surface	1	1	28.33	8.35	29.1	80.9	5.35	8.8	4.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS8	12:51:55	1.0	Surface	1	2	28.36	8.35	29.08	81.3	5.38	8.9	4
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS8	12:52:00	2.7	Bottom	3	1	28.38	8.35	29.11	81.1	5.37	8.8	5
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS8	12:51:48	2.7	Bottom	3	2	28.35	8.35	29.12	81.7	5.41	8.8	5.8
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS(Mf)9	13:09:48	1.0	Surface	1	1	27.98	8.34	29.24	77.4	5.15	7.4	4.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS(Mf)9	13:09:24	1.0	Surface	1	2	28	8.34	29.22	78.1	5.2	7.3	5.6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS(Mf)9	13:09:11	2.7	Bottom	3	1	28.02	8.35	29.22	79	5.25	7.8	4.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS(Mf)9	13:09:39	2.7	Bottom	3	2	28.01	8.34	29.24	78	5.19	7.5	5.3
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS10	11:57:56	1.0	Surface	1	1	28.73	8.04	26.57	78.2	5.22	3.3	3.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS10	11:57:02	1.0	Surface	1	2	28.71	8.04	26.49	77.7	5.21	3.2	4.4
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS10	11:57:33	5.4	Middle	2	1	28.55	8.05	26.64	77.4	5.17	3.6	4
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS10	11:56:50	5.4	Middle	2	2	28.53	8.04	26.61	77.4	5.19	3.4	4.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS10	11:56:40	9.7	Bottom	3	1	28.44	8.04	26.68	77.3	5.17	3.8	4.5
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	IS10	11:57:22	9.7	Bottom	3	2	28.35	8.04	26.91	76.8	5.15	3.8	3.5
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR3	13:45:31	0.7	Middle	2	1	27.96	8.37	29.49	77.7	5.16	10.8	12
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR3	13:45:39	0.7	Middle	2	2	27.99	8.37	29.47	77.8	5.17	10.8	12.8
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR4	12:58:05	1.0	Surface	1	1	28.43	8.34	29.06	81.3	5.38	7.5	5
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR4	12:58:19	1.0	Surface	1	2	28.43	8.34	29.07	80.9	5.35	7.5	3.6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR4	12:58:13	2.9	Bottom	3	1	28.39	8.34	29.17	81.3	5.38	7.7	4.3
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR4	12:57:59	2.9	Bottom	3	2	28.48	8.34	29.08	81.4	5.38	7.3	4.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR5	12:11:01	1.0	Surface	1	1	28.56	8.06	26.57	76.2	5.11	3.3	3.1
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR5	12:11:23	1.0	Surface	1	2	28.57	8.06	26.58	76.6	5.13	3.2	3.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR5	12:11:11	4.0	Bottom	3	1	28.34	8.06	26.87	76.2	5.11	3.6	3.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR5	12:10:53	4.0	Bottom	3	2	28.4	8.06	26.74	76	5.09	3.7	2.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10A	11:42:15	1.0	Surface	1	1	27.62	8.32	30.4	78.3	5.17	8.6	5.4
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10A	11:41:52	1.0	Surface	1	2	27.58	8.33	30.46	78.6	5.2	8.6	5.3
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10A	11:41:45	3.1	Middle	2	1	27.33	8.33	30.93	78	5.16	8.8	4.6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10A	11:42:07	3.1	Middle	2	2	27.34	8.32	30.91	78	5.16	8.7	4.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10A	11:41:59	5.2	Bottom	3	1	27.51	8.32	30.75	77.7	5.14	8.5	5.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10A	11:41:37	5.2	Bottom	3	2	27.52	8.33	30.8	77.9	5.16	8.9	4.3
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10B	11:35:06	1.0	Surface	1	1	27.38	8.4	30.63	79.5	5.26	9.8	6.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10B	11:35:22	1.0	Surface	1	2	27.55	8.39	30.41	79	5.23	10.1	6.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10B	11:34:59	4.2	Bottom	3	1	27.42	8.41	30.8	79.1	5.24	10.2	6.2
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	SR10B	11:35:12	4.2	Bottom	3	2	27.41	8.39	30.83	78.9	5.22	10	6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS2	13:28:26	1.0	Surface	1	1	28.34	8.05	26.39	76.3	5.19	4	6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS2	13:28:52	1.0	Surface	1	2	28.46	8.04	26.31	76.1	5.17	4.1	6.1
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS2	13:28:19	4.1	Middle	2	1	28.25	8.04	26.63	76.1	5.17	4.3	5
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS2	13:28:44	4.1	Middle	2	2	28.16	8.05	26.54	75.6	5.14	4.2	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	2016-08-31	Mid-Ebb	Sunny	CS2	13:28:08	7.1	Bottom	3	1	27.97	8.03	27.51	75.5	5.13	4.5	5.3
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS2	13:28:36	7.1	Bottom	3	2	28.13	8.04	26.84	75.2	5.11	4.5	6.3
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS(Mf)5	12:17:21	1.0	Surface	1	1	27.44	8.28	30.66	76.7	5.07	10.5	5.5
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS(Mf)5	12:17:49	1.0	Surface	1	2	27.41	8.28	30.68	76.6	5.07	10.6	5.8
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS(Mf)5	12:17:41	6.3	Middle	2	1	27.26	8.28	31.12	76.4	5.05	11.1	5.9
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS(Mf)5	12:17:11	6.3	Middle	2	2	27.24	8.28	31.19	76.6	5.07	11.1	5
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS(Mf)5	12:17:05	11.5	Bottom	3	1	27.28	8.28	31.14	76.5	5.06	11.2	6.6
HKLR	HY/2011/03	2016-08-31	Mid-Ebb	Sunny	CS(Mf)5	12:17:32	11.5	Bottom	3	2	27.32	8.28	31.06	76.1	5.04	11.2	5.5
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS5	17:57:06	1.0	Surface	1	1	28.27	8.55	26.93	77.7	5.21	8.2	8.5
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS5	17:56:41	1.0	Surface	1	2	28.27	8.53	26.81	77.8	5.22	8.5	8.6
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS5	17:56:57	4.4	Middle	2	1	28.23	8.53	27.02	77.7	5.21	8.5	9.2
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS5	17:56:34	4.4	Middle	2	2	28.26	8.52	26.83	77.5	5.2	8.5	8.8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS5	17:56:50	7.7	Bottom	3	1	28.25	8.51	26.95	77.6	5.21	8.6	8.3
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS5	17:56:27	7.7	Bottom	3	2	28.28	8.55	26.76	77.4	5.2	8.5	7.8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS(Mf)6	18:04:32	1.0	Surface	1	1	28.64	8.48	27.41	83.8	5.57	4.8	5.3
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS(Mf)6	18:05:03	1.0	Surface	1	2	28.61	8.47	27.46	83.3	5.54	4.9	5.8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS(Mf)6	18:04:25	2.2	Bottom	3	1	28.48	8.48	27.49	83.9	5.59	5.1	5.2
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS(Mf)6	18:04:51	2.2	Bottom	3	2	28.35	8.47	27.61	83.3	5.56	5.2	6.9
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS7	18:13:30	1.0	Surface	1	1	28.32	8.43	27.6	75.1	5.01	8.6	6
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS7	18:13:07	1.0	Surface	1	2	28.33	8.44	27.59	76.7	5.12	8.4	5.9
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS7	18:13:21	2.3	Bottom	3	1	28.16	8.43	27.69	75.3	5.04	8.5	6.2
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS7	18:13:01	2.3	Bottom	3	2	28.36	8.44	27.58	76.8	5.13	8.5	5.7
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS8	18:39:59	1.0	Surface	1	1	28.25	8.39	27.8	75.3	5.03	18.6	21.9
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS8	18:40:16	1.0	Surface	1	2	28.26	8.38	27.79	75.1	5.01	18.4	22.2
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS8	18:40:05	2.8	Bottom	3	1	28.18	8.38	27.92	75	5.01	18.2	20.3
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS8	18:39:50	2.8	Bottom	3	2	28.27	8.39	27.82	75.6	5.05	18.5	20.9
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS(Mf)9	18:24:00	1.0	Surface	1	1	28.28	8.42	27.99	80.4	5.36	11.3	20.8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS(Mf)9	18:23:47	1.0	Surface	1	2	28.26	8.43	27.98	80.9	5.4	11.5	19.9
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS(Mf)9	18:23:40	2.6	Bottom	3	1	28.23	8.43	28	80.6	5.38	11.2	22.4
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS(Mf)9	18:23:54	2.6	Bottom	3	2	28.27	8.42	27.99	80.4	5.36	11.4	21.2
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS10	19:36:46	1.0	Surface	1	1	28.54	8.08	22.7	76.9	5.23	5.8	5.8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS10	19:35:57	1.0	Surface	1	2	28.56	8.09	23.33	76.3	5.19	5.7	6.8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS10	19:36:35	5.4	Middle	2	1	28.55	8.09	22.73	76.3	5.19	5.9	7.5
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS10	19:35:47	5.4	Middle	2	2	28.55	8.08	24.03	76.1	5.17	5.8	6.4
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS10	19:36:17	9.8	Bottom	3	1	28.54	8.06	24.58	75.6	5.14	6	8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	IS10	19:35:35	9.8	Bottom	3	2	28.36	8.06	25.43	75.4	5.12	6.1	6.2
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR3	17:45:54	0.7	Middle	2	1	28.29	8.55	25.46	82.6	5.59	6.8	7.3
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR3	17:45:57	0.7	Middle	2	2	28.3	8.56	25.52	82.1	5.55	6.7	7.4
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR4	18:33:37	1.0	Surface	1	1	28.48	8.4	27.58	77.3	5.15	18.9	17.8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR4	18:33:51	1.0	Surface	1	2	28.27	8.4	27.76	77.1	5.15	18.8	16.6
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR4	18:33:43	2.6	Bottom	3	1	28.27	8.4	27.82	76.2	5.08	18.4	20.6
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR4	18:33:26	2.6	Bottom	3	2	28.17	8.4	27.89	76.9	5.14	18.6	20.8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR5	19:26:09	1.0	Surface	1	1	28.57	8.03	25.23	76.9	5.23	6.2	6
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR5	19:26:33	1.0	Surface	1	2	28.56	8.03	24.92	76.3	5.19	6.3	5.4
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR5	19:26:21	4.1	Bottom	3	1	28.59	8.02	25.67	75.6	5.14	6.7	4.7
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR5	19:26:02	4.1	Bottom	3	2	28.57	8.02	25.37	75.4	5.12	6.6	4.6
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10A	19:51:58	1.0	Surface	1	1	28.05	8.34	27.61	85.2	5.68	7.5	6.3
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10A	19:52:32	1.0	Surface	1	2	27.99	8.34	27.77	84.2	5.61	7.5	5.6
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10A	19:52:25	3.3	Middle	2	1	27.86	8.34	28.04	84.1	5.6	7.4	8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10A	19:51:48	3.3	Middle	2	2	27.93	8.34	27.91	84.2	5.61	7.6	10.2
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10A	19:52:17	5.5	Bottom	3	1	27.68	8.33	28.57	83.4	5.56	7.4	8.2
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10A	19:51:40	5.5	Bottom	3	2	28	8.34	27.91	84.1	5.61	7.6	10.2

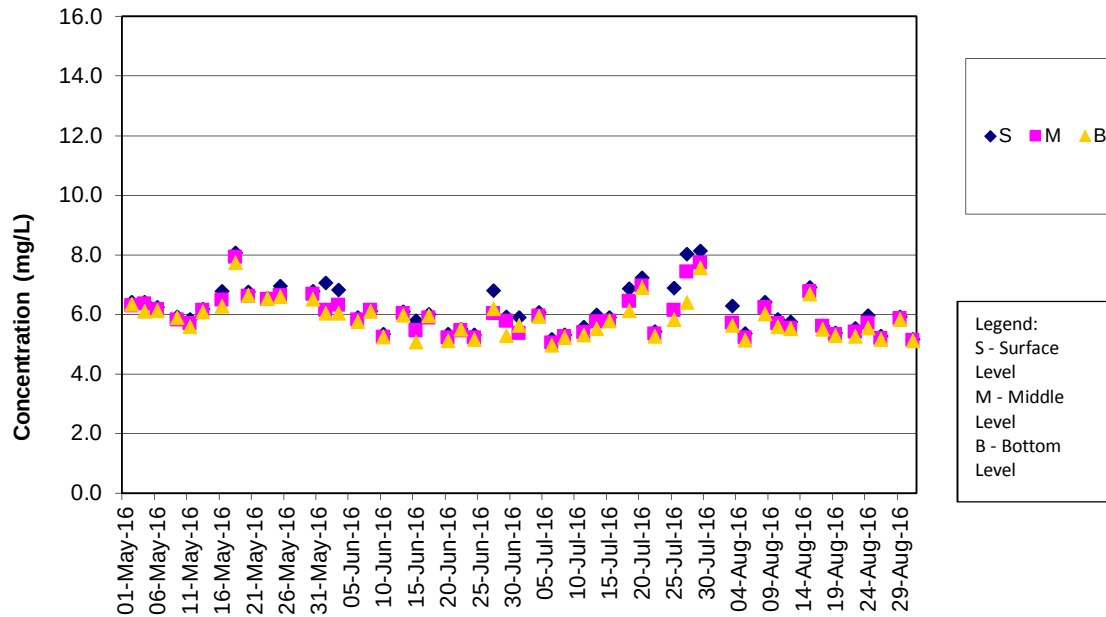
Water Quality Monitoring Data

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	2016-08-31	Mid-Flood	Sunny	SR10B	20:01:32	1.0	Surface	1	1	27.97	8.33	27.79	85.4	5.69	7	7.9
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10B	20:01:46	1.0	Surface	1	2	27.98	8.33	27.8	85.4	5.69	6.9	9.1
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10B	20:01:24	4.4	Bottom	3	1	27.98	8.33	27.9	85.5	5.69	6.9	8.7
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	SR10B	20:01:37	4.4	Bottom	3	2	27.98	8.33	27.92	85.5	5.69	7	8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS2	18:15:26	1.0	Surface	1	1	28.58	8.05	24.04	78.7	5.26	4.9	4.3
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS2	18:14:40	1.0	Surface	1	2	28.58	8.03	23.99	78.3	5.23	4.8	3.9
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS2	18:15:15	4.1	Middle	2	1	28.56	8.05	24.25	78.1	5.22	5	5.4
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS2	18:14:26	4.1	Middle	2	2	28.59	8	24.12	77.9	5.2	5	4.3
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS2	18:15:07	7.1	Bottom	3	1	28.53	8.05	24.44	77.6	5.18	5.1	4.6
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS2	18:14:16	7.1	Bottom	3	2	28.62	7.96	24.15	77.3	5.16	5.2	5
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS(Mf)5	19:12:34	1.0	Surface	1	1	28.03	8.35	27.46	81.4	5.42	10.5	8.4
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS(Mf)5	19:13:16	1.0	Surface	1	2	27.81	8.35	27.75	80.2	5.36	10.2	8.9
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS(Mf)5	19:12:20	6.4	Middle	2	1	27.24	8.34	29.24	79.1	5.28	10.4	9.7
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS(Mf)5	19:13:06	6.4	Middle	2	2	27.24	8.34	29.25	78.9	5.27	10.6	8.3
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS(Mf)5	19:12:10	11.7	Bottom	3	1	27.1	8.34	29.87	77.2	5.15	10.6	8
HKLR	HY/2011/03	2016-08-31	Mid-Flood	Sunny	CS(Mf)5	19:12:55	11.7	Bottom	3	2	27.08	8.33	29.92	77.5	5.18	10.5	8.2

Remark:

As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

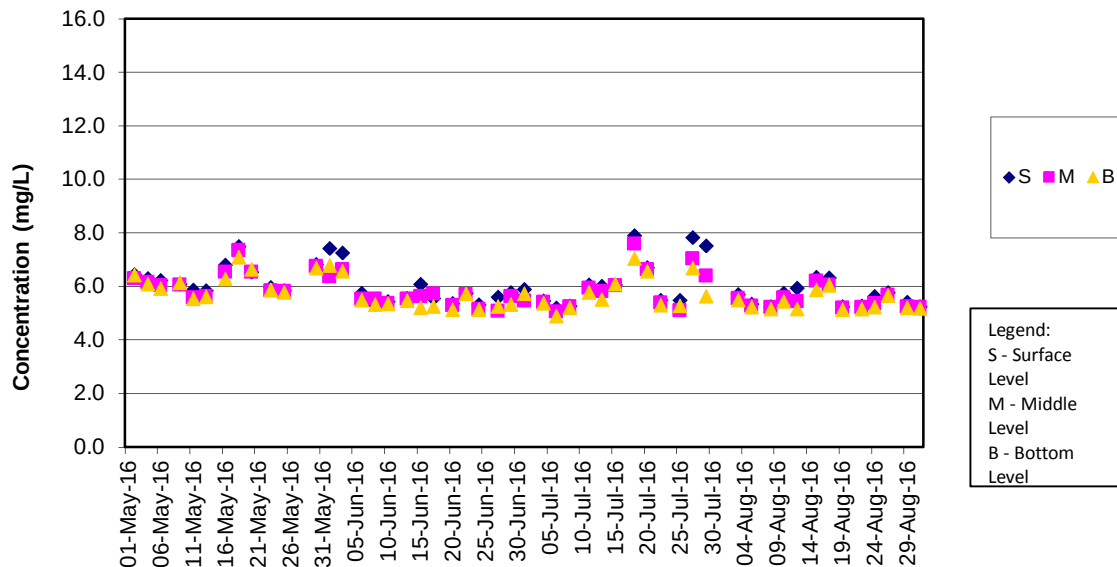
DO Concentrations at Station CS2 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

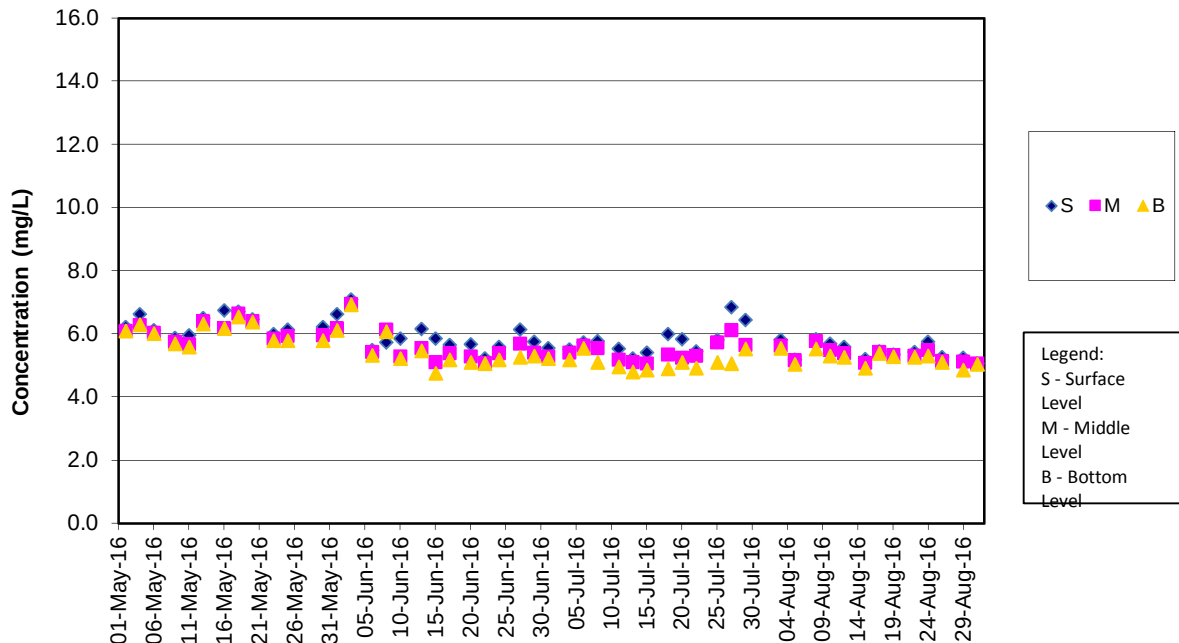
DO Concentrations at Station CS2 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

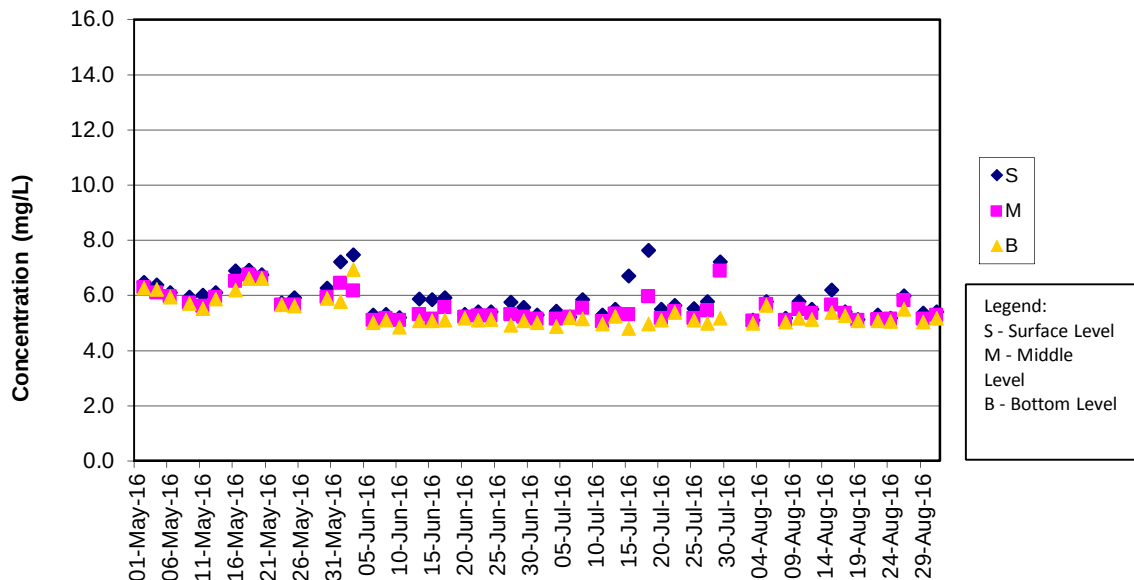
DO Concentrations at Station CS(Mf)5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

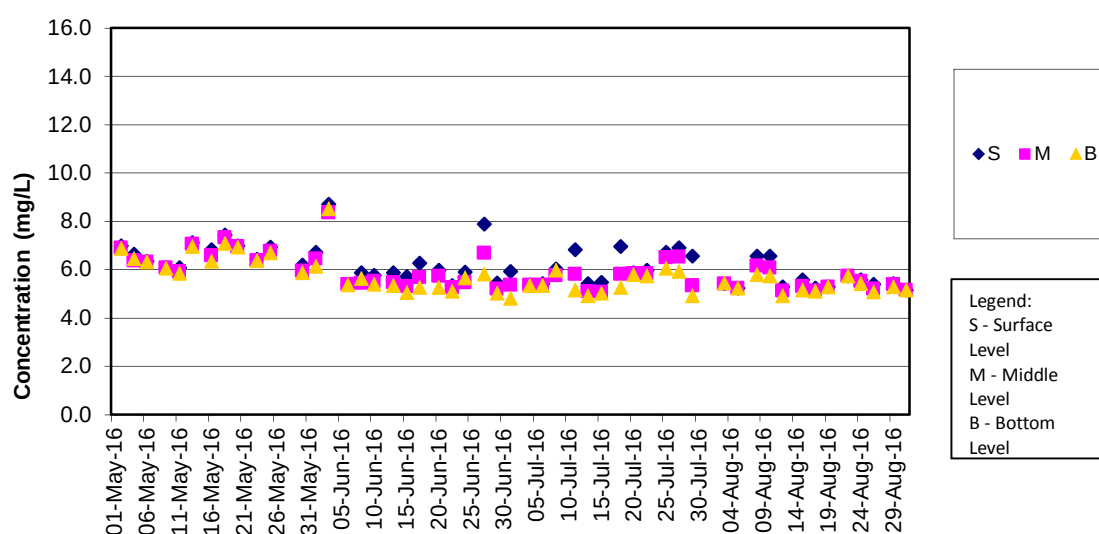
DO Concentrations at Station CS(Mf)5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

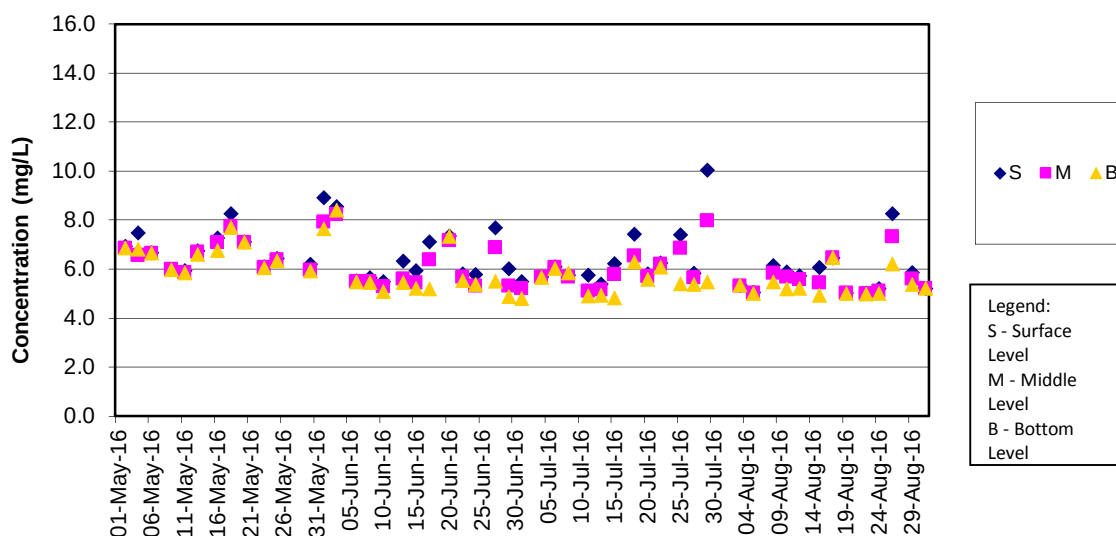
DO Concentrations at Station IS5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

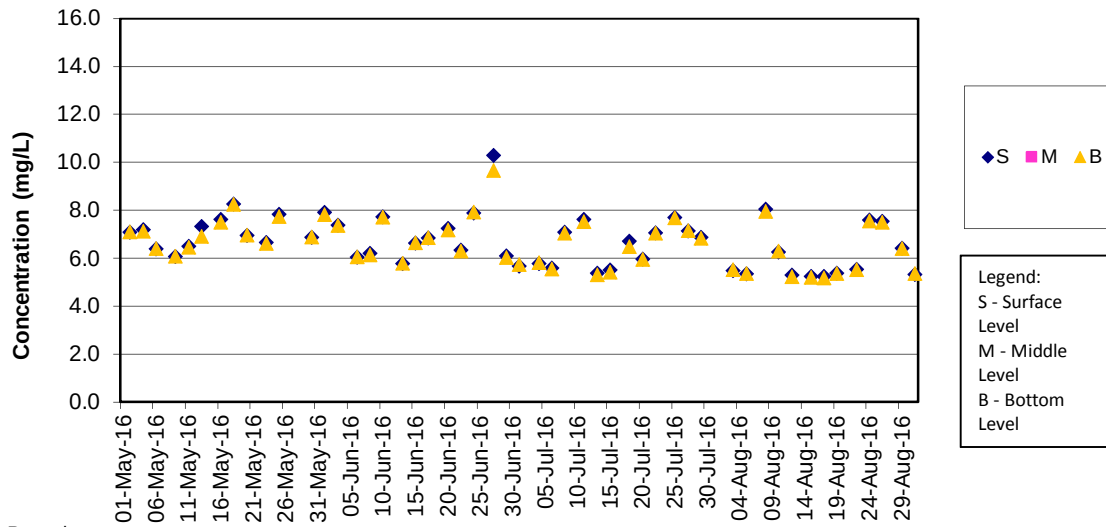
DO Concentrations at Station IS5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

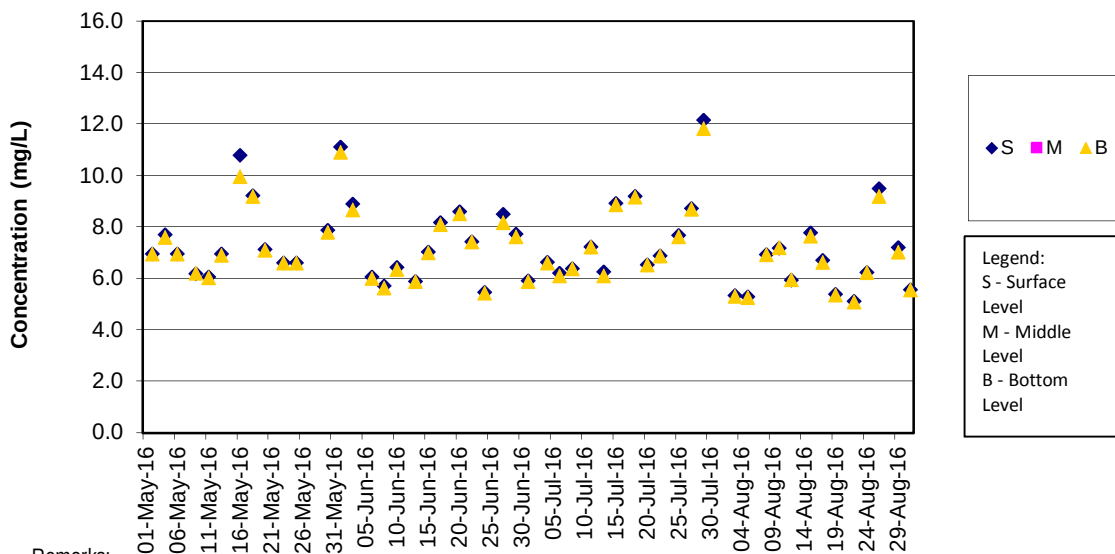
DO Concentrations at Station IS(Mf)6 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

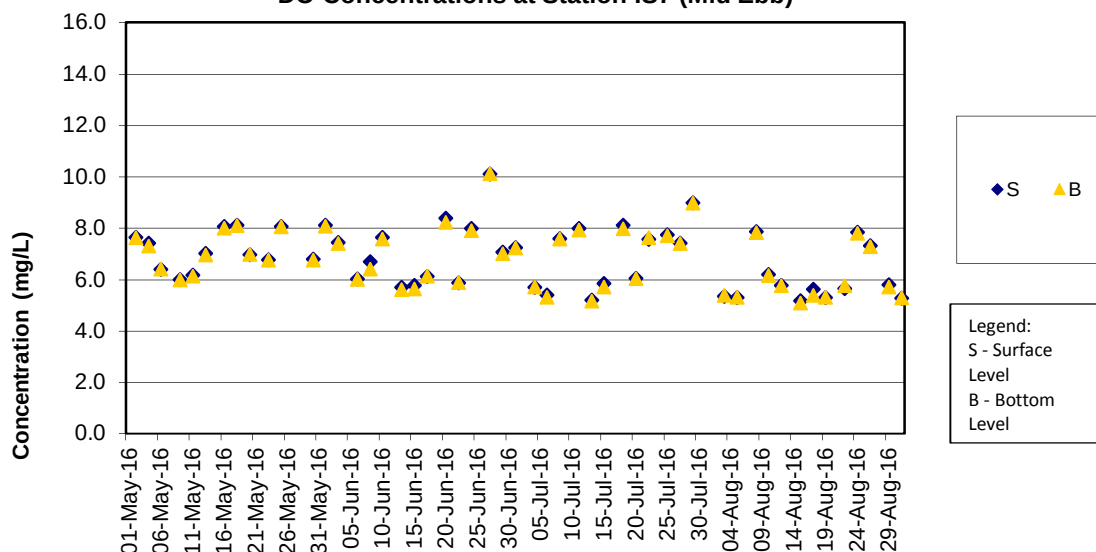
DO Concentrations at Station IS(Mf)6 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

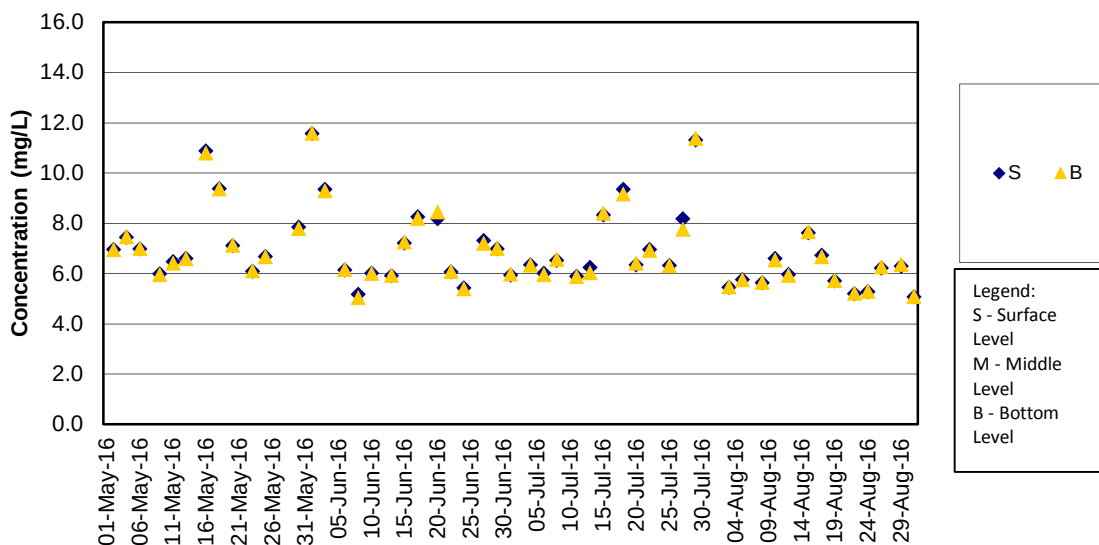
DO Concentrations at Station IS7 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

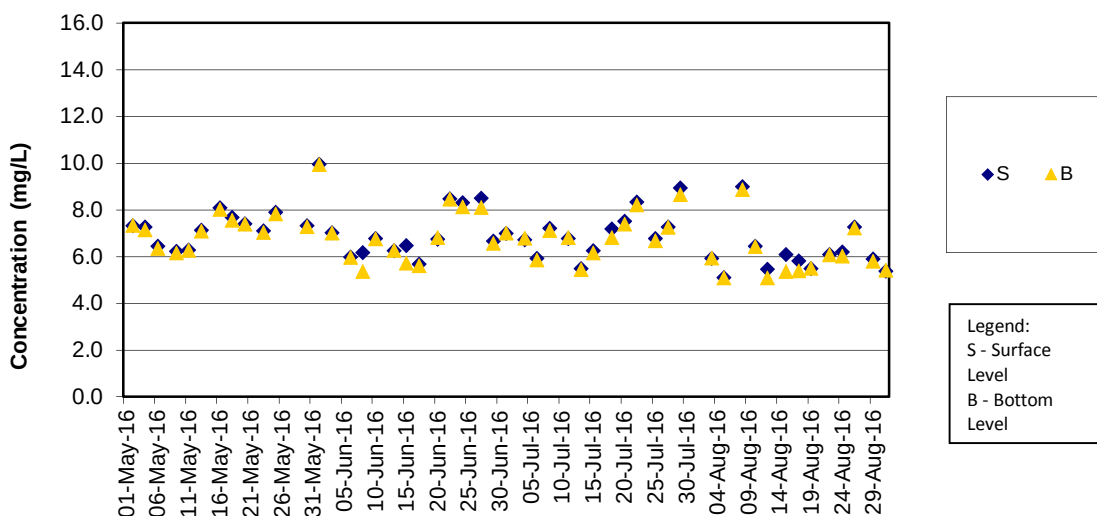
DO Concentrations at Station IS7 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

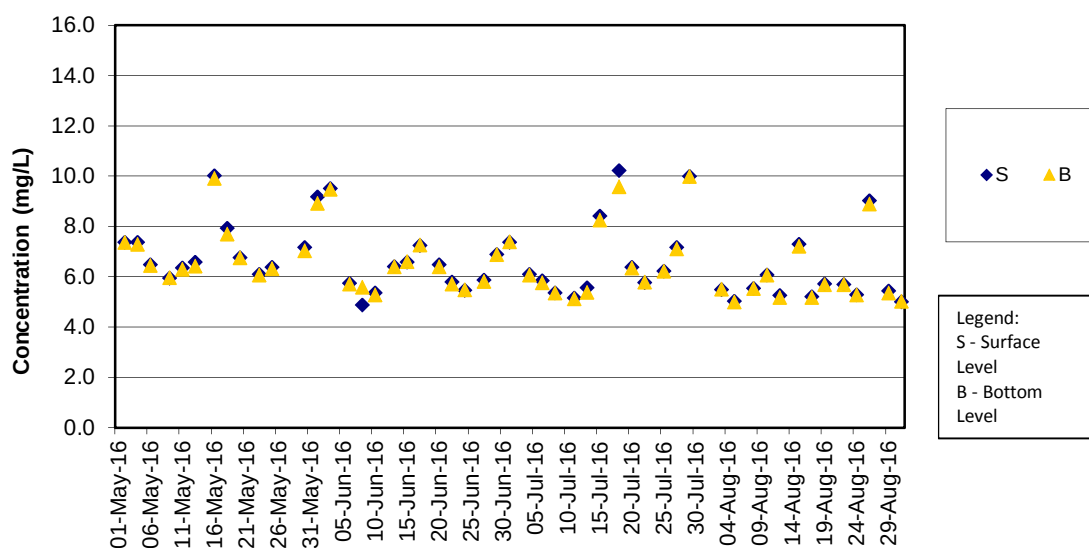
DO Concentrations at Station IS8 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

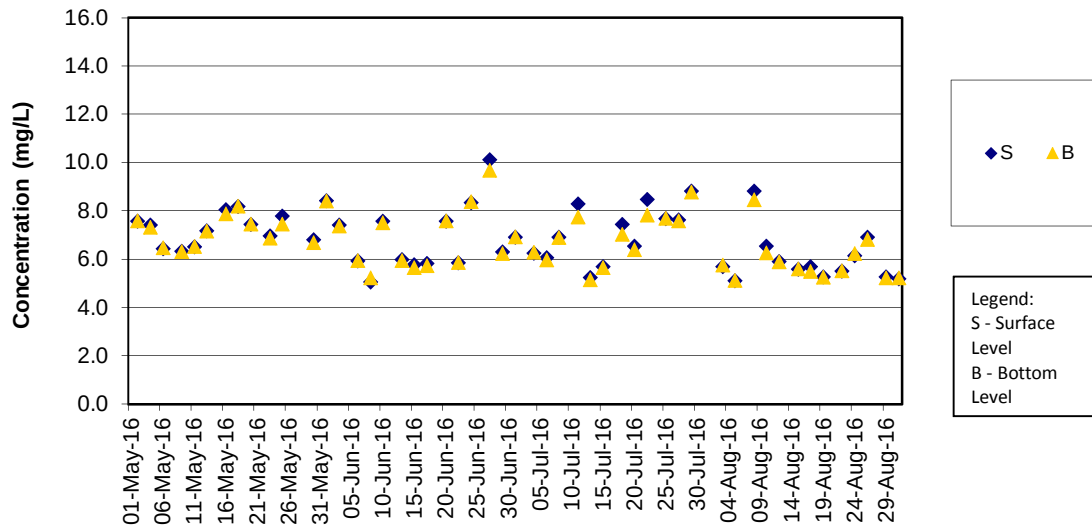
DO Concentrations at Station IS8 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

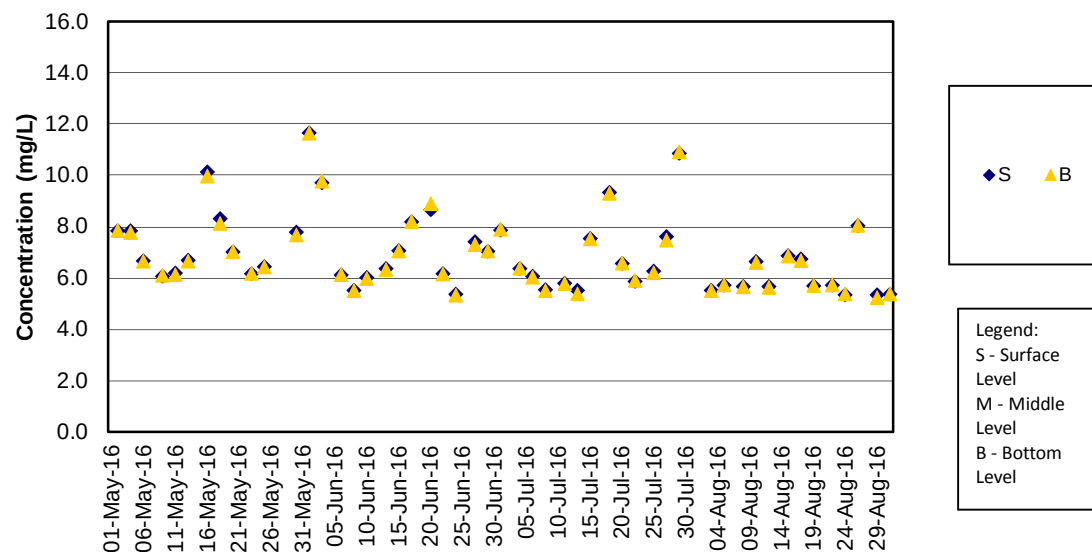
DO Concentrations at Station IS(Mf)9 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

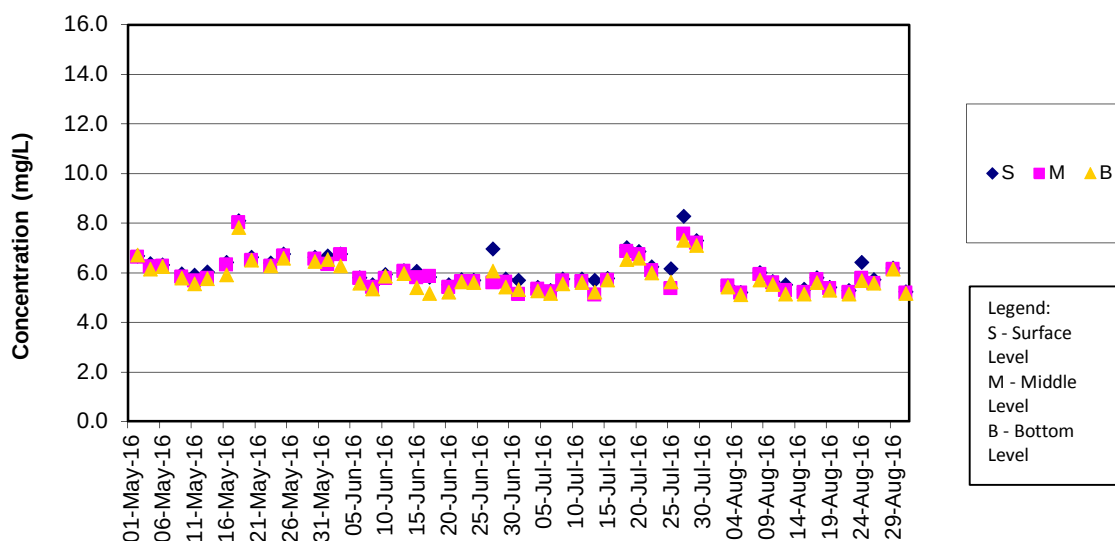
DO Concentrations at Station IS(Mf)9 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

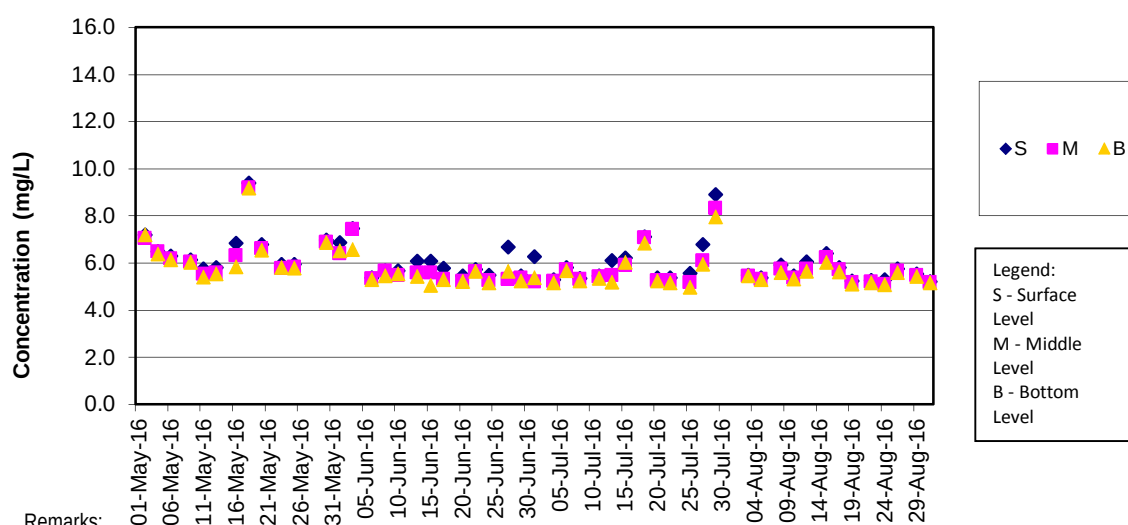
DO Concentrations at Station IS10 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

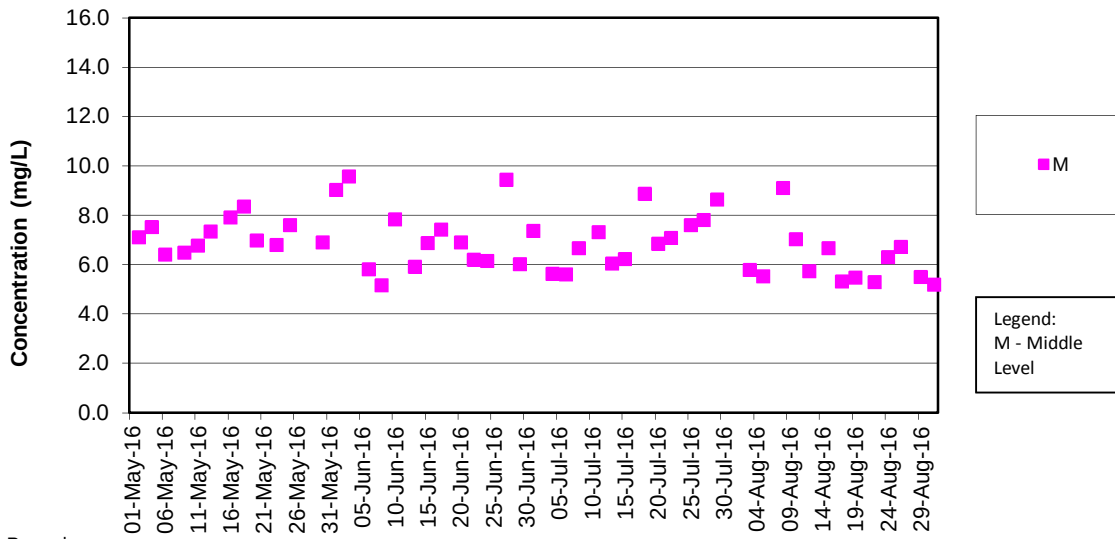
DO Concentrations at Station IS10 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

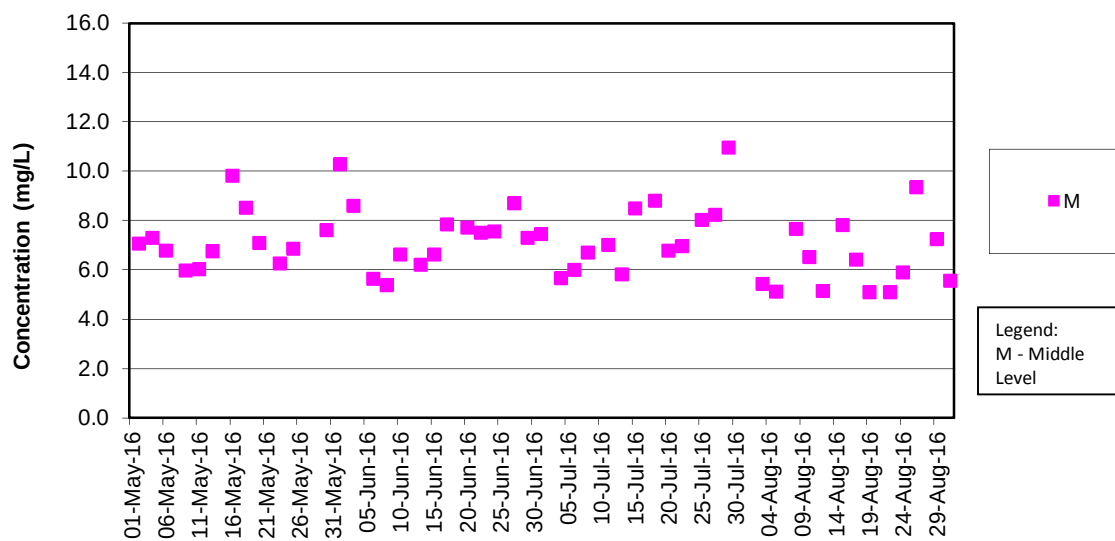
DO Concentrations at Station SR3 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

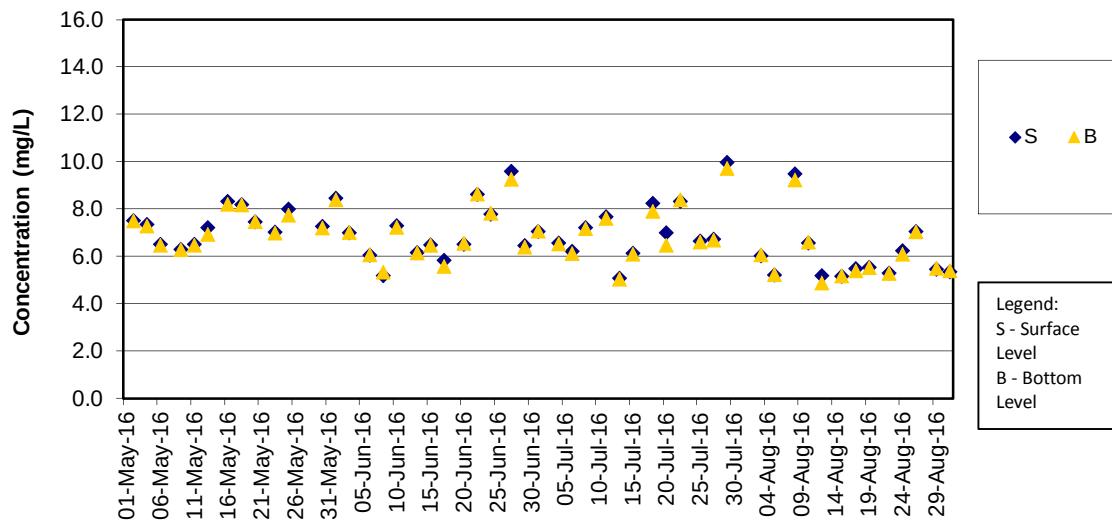
DO Concentrations at Station SR3 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

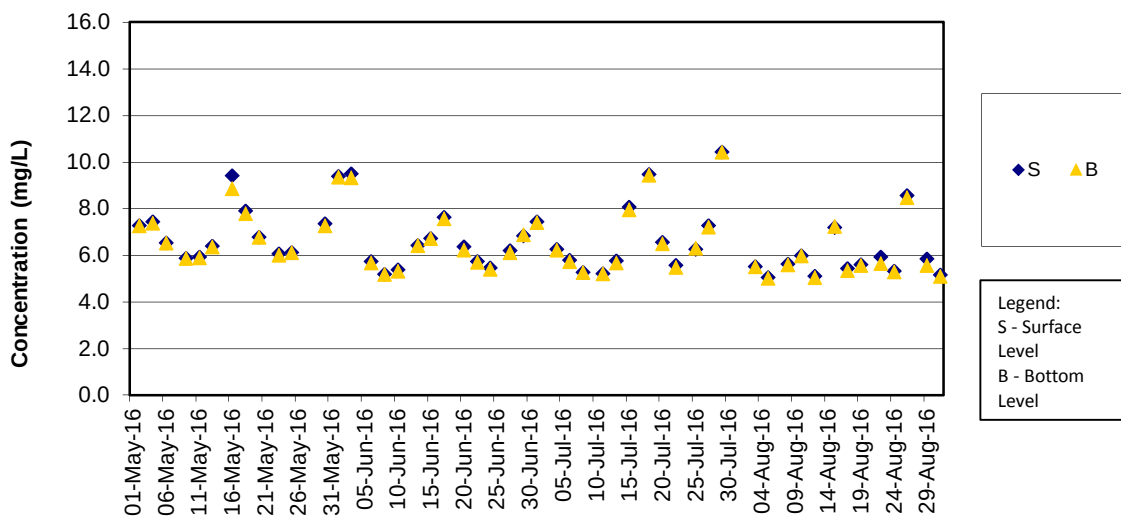
DO Concentrations at Station SR4 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

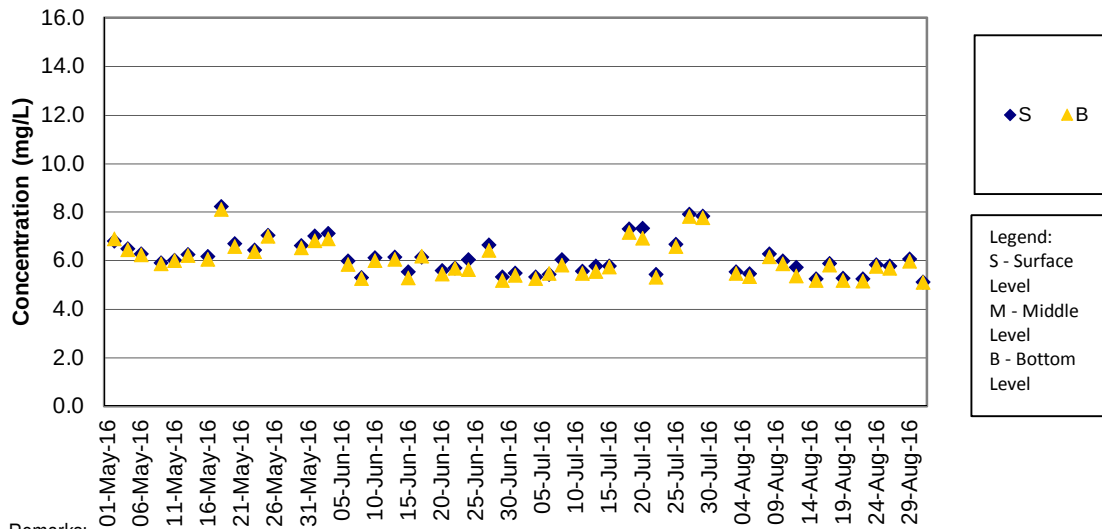
DO Concentrations at Station SR4 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

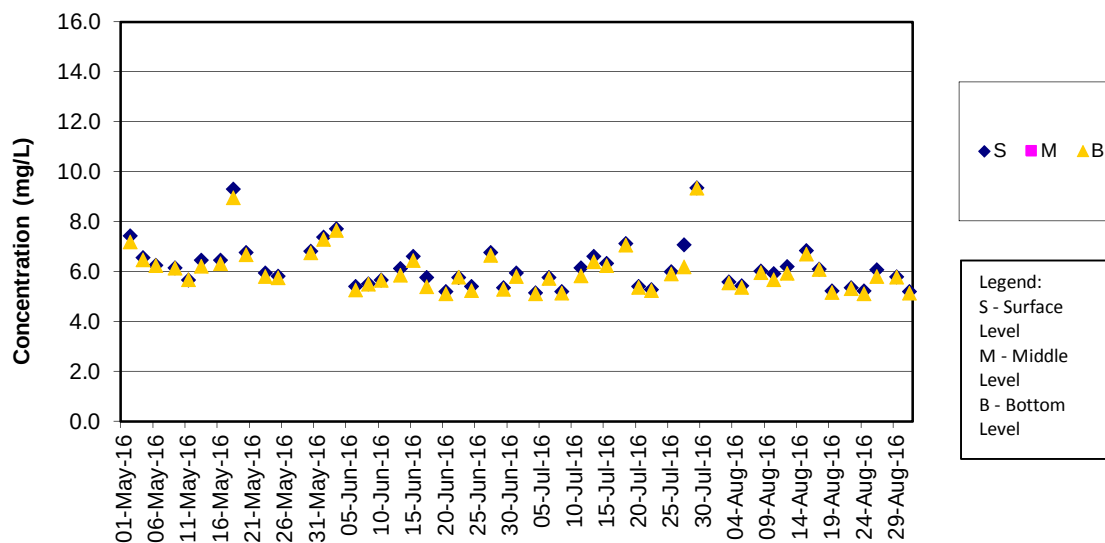
DO Concentrations at Station SR5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

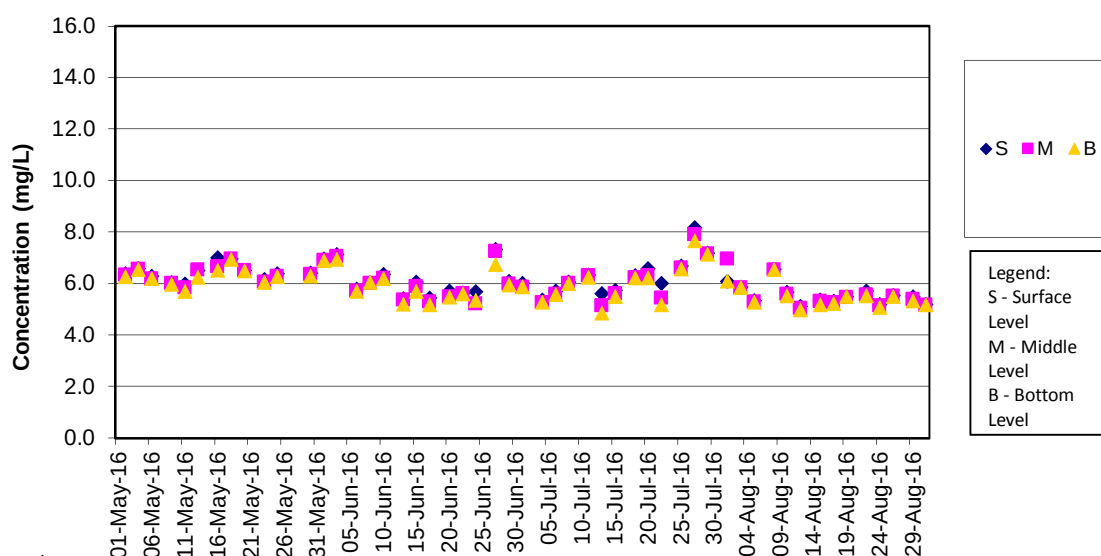
DO Concentrations at Station SR5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

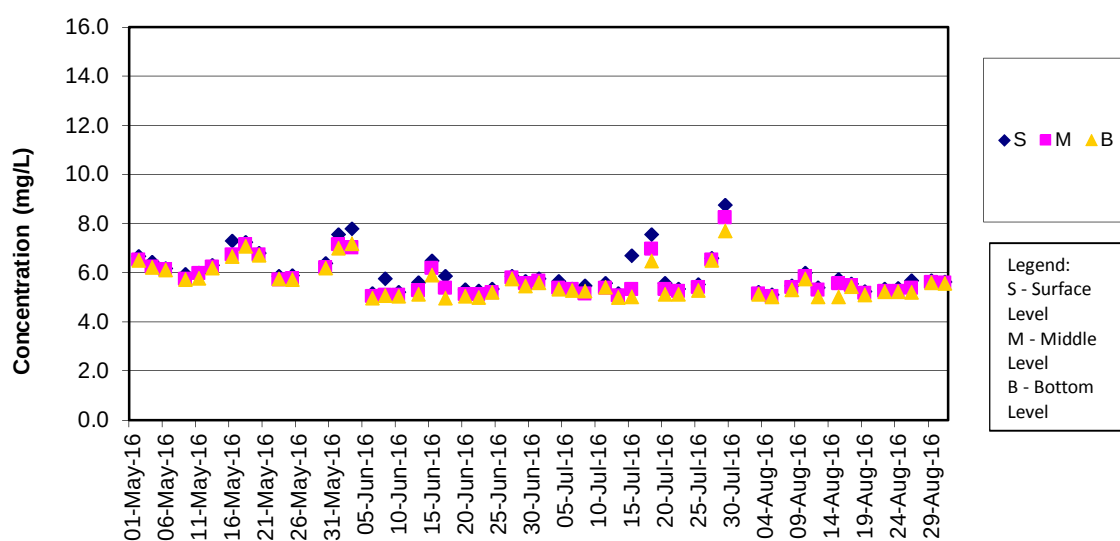
DO Concentrations at Station SR10A (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

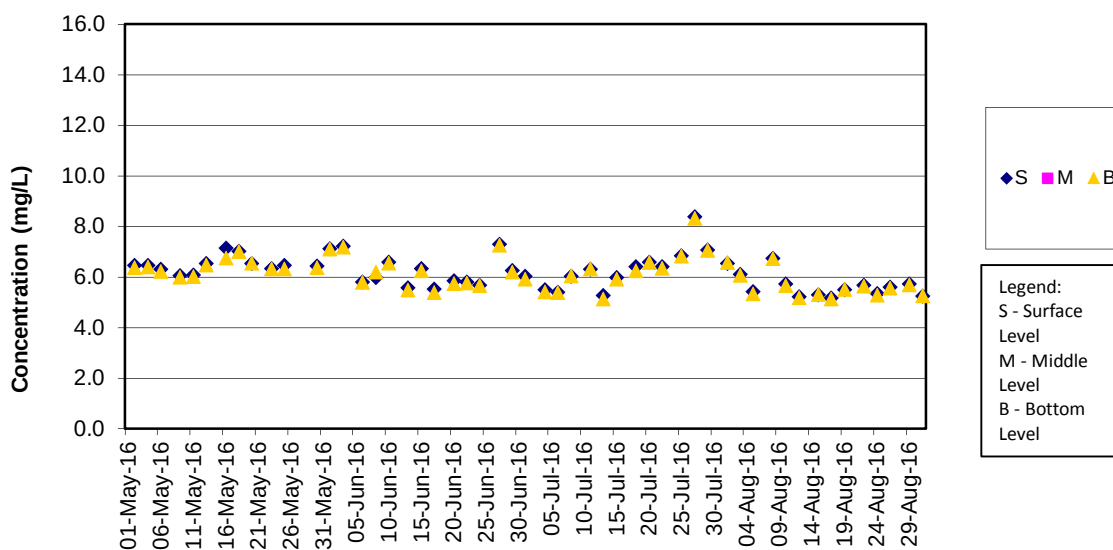
DO Concentrations at Station SR10A (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

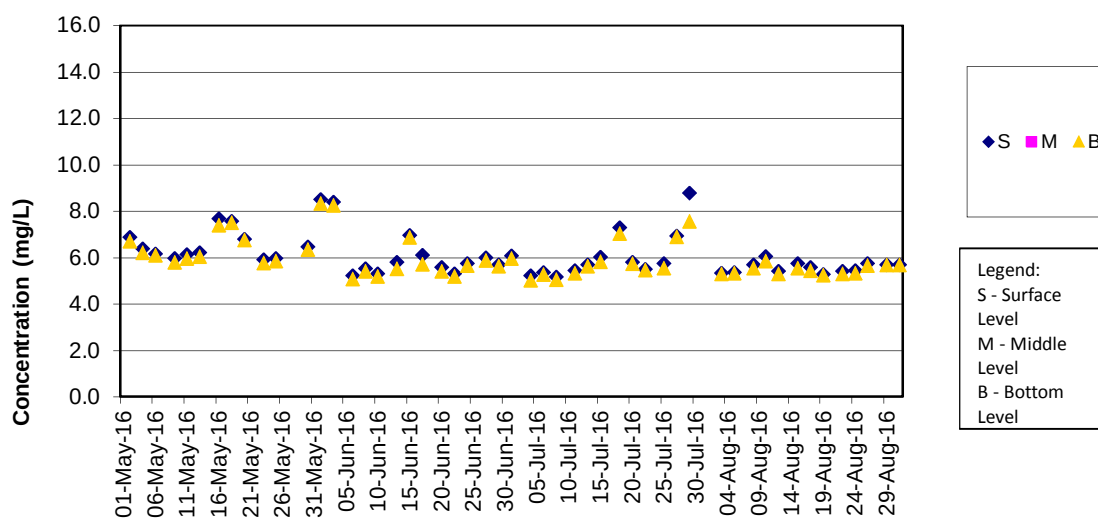
DO Concentrations at Station SR10B (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

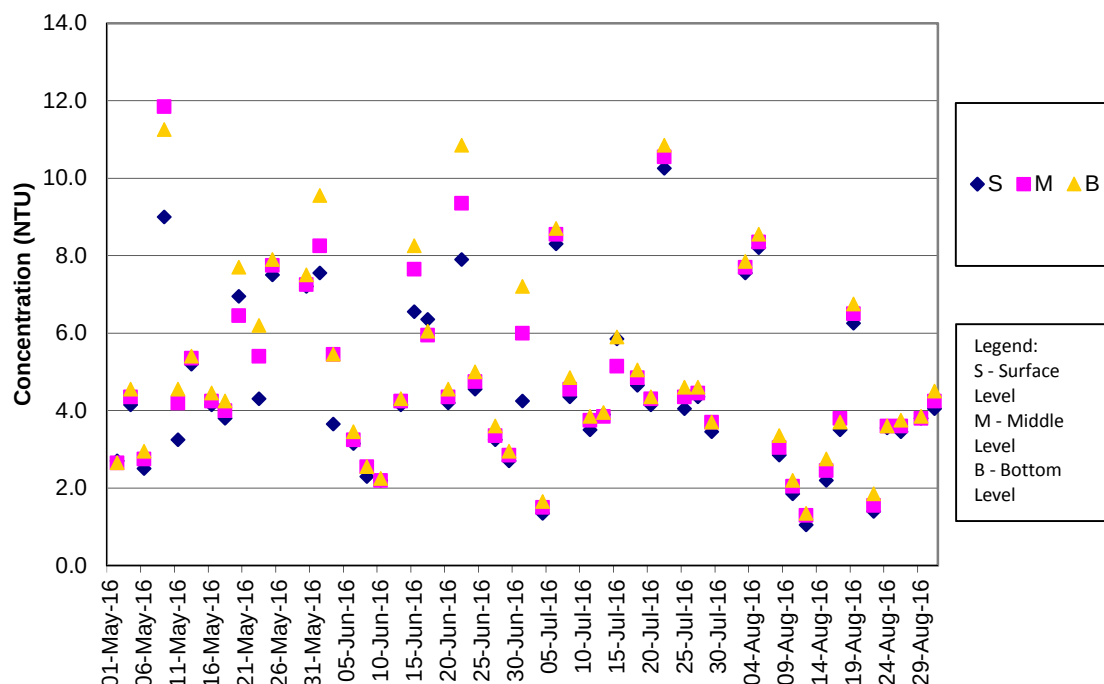
DO Concentrations at Station SR10B (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

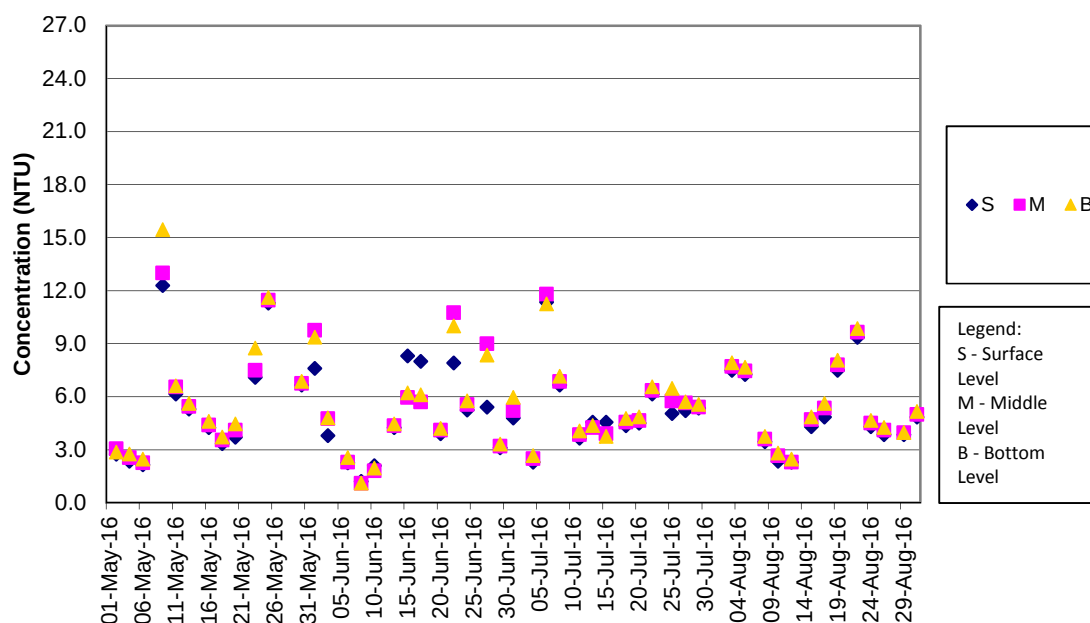
Turbidity Concentrations at Station CS2 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

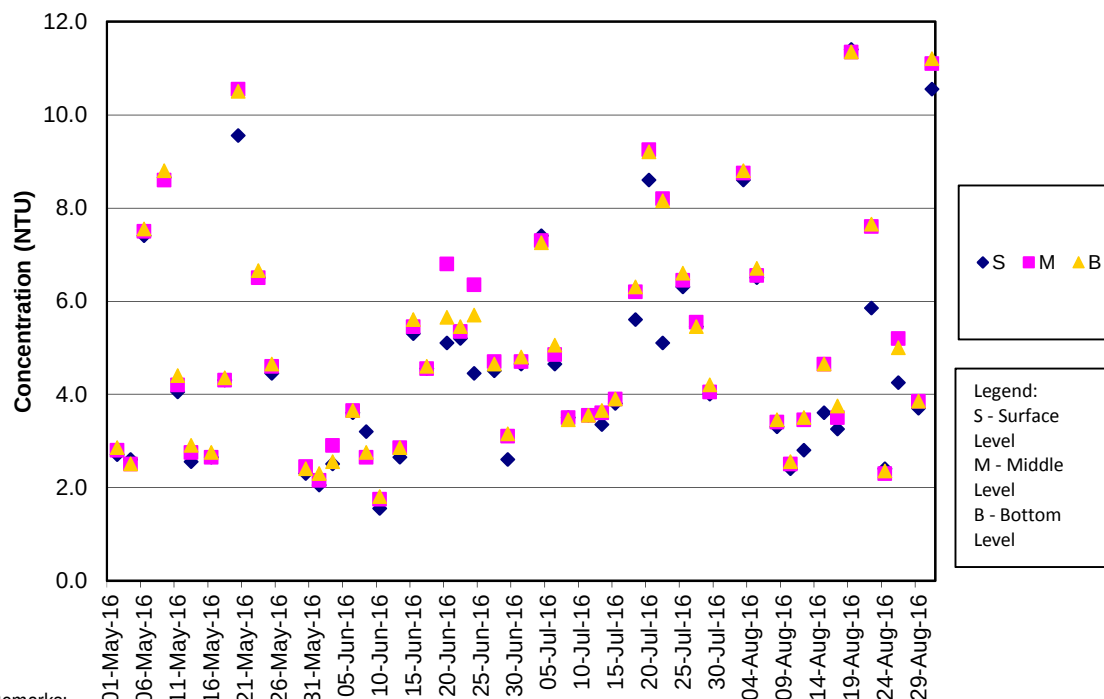
Turbidity Concentrations at Station CS2 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

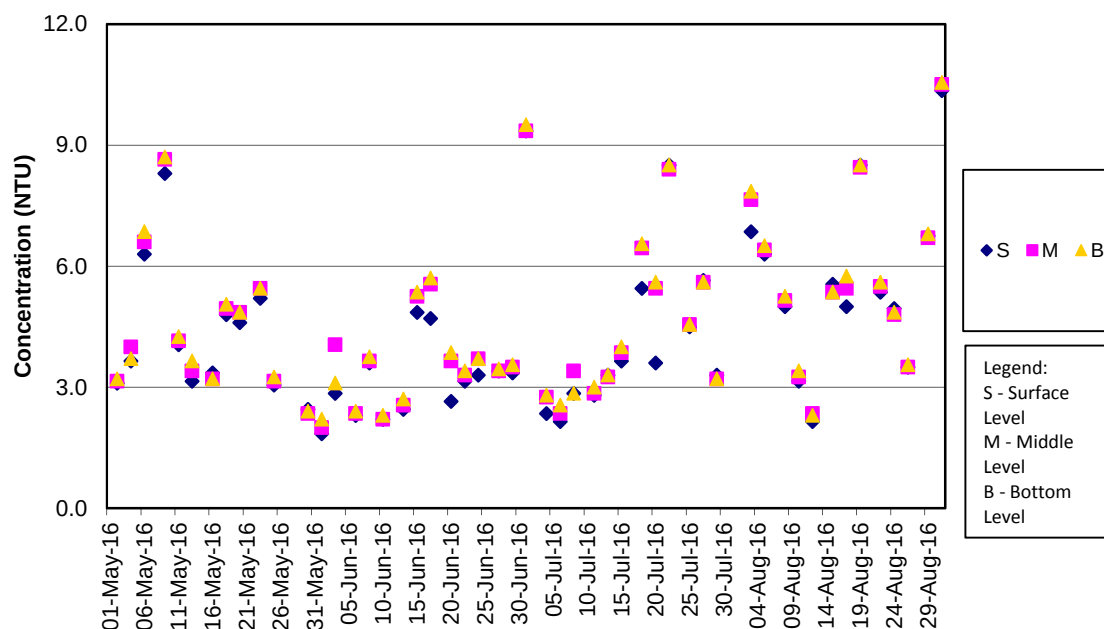
Turbidity Concentrations at Station CS(Mf)5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

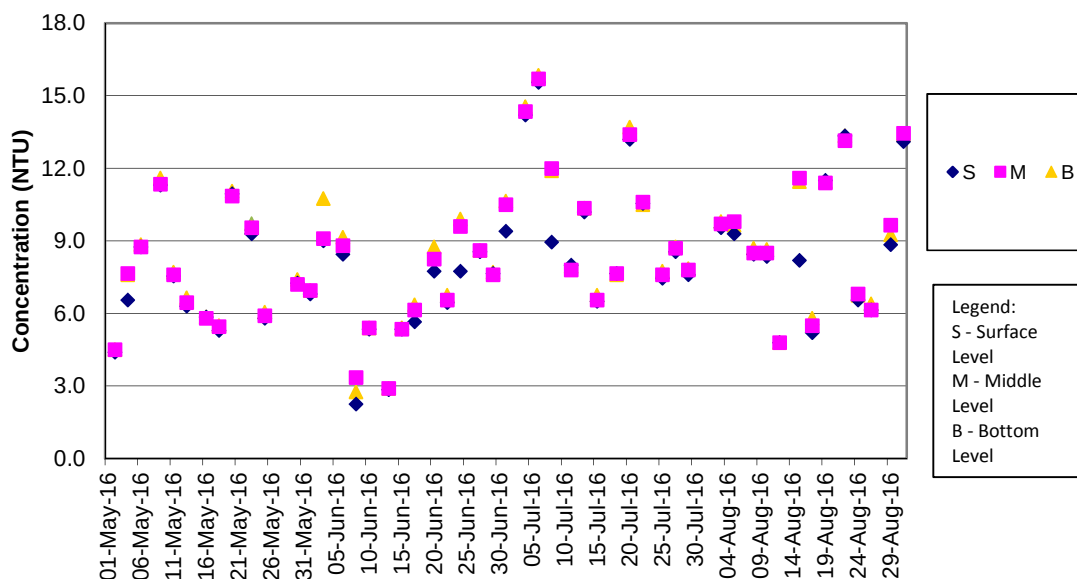
Turbidity Concentrations at Station CS(Mf)5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

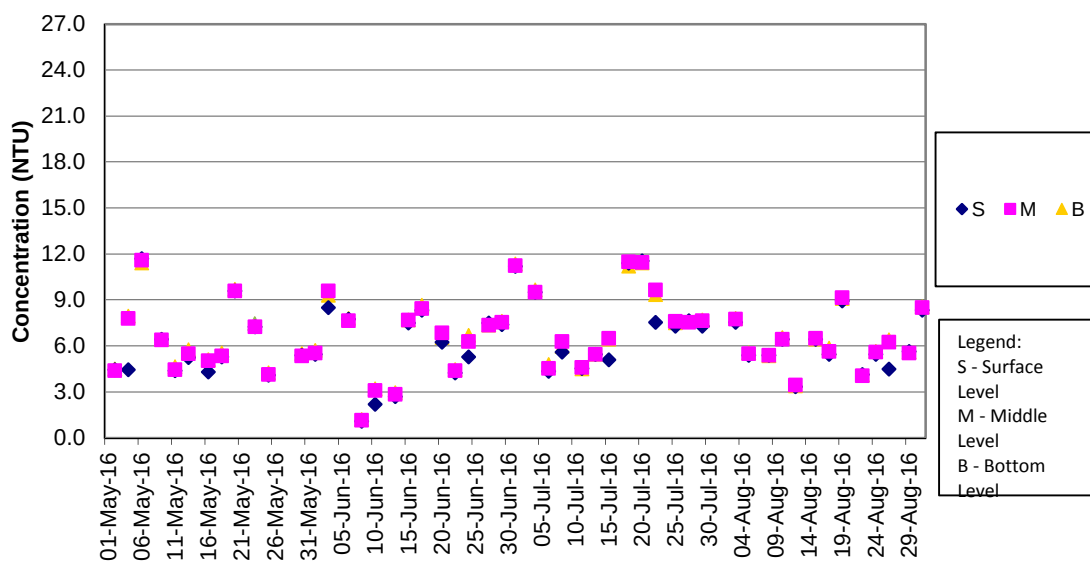
Turbidity Concentrations at Station IS5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

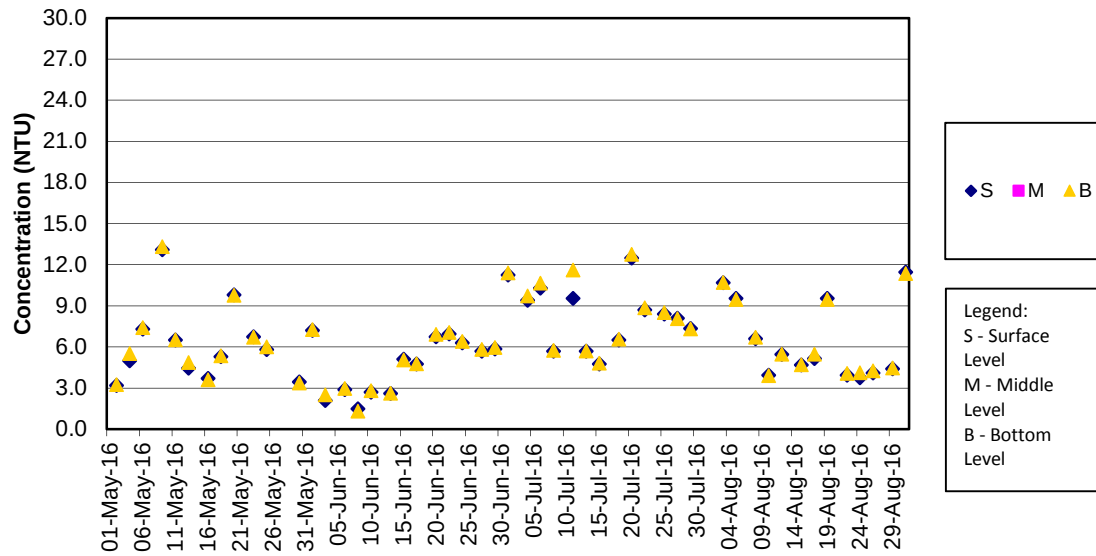
Turbidity Concentrations at Station IS5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

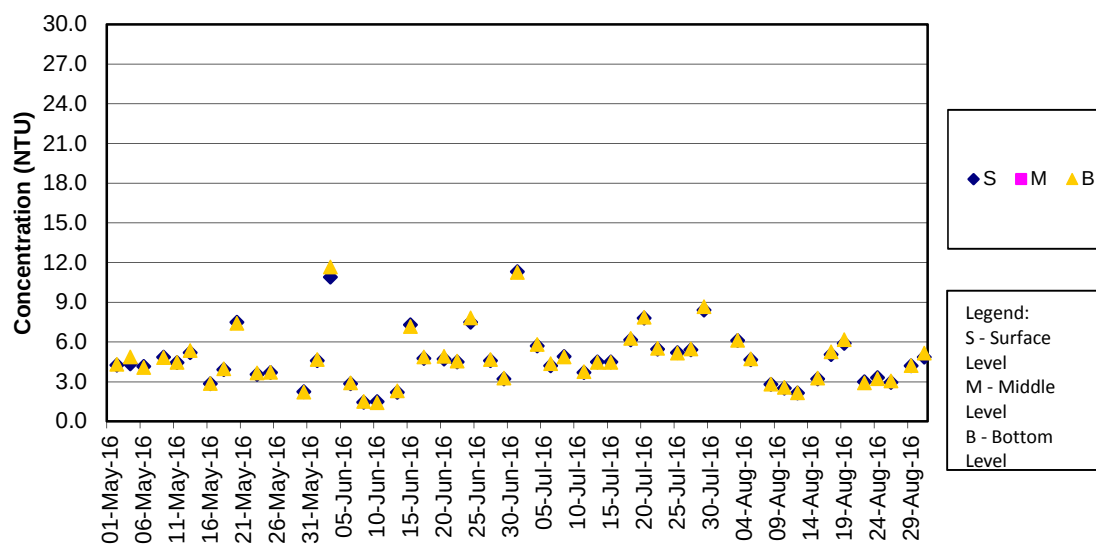
Turbidity Concentrations at Station IS(Mf)6 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

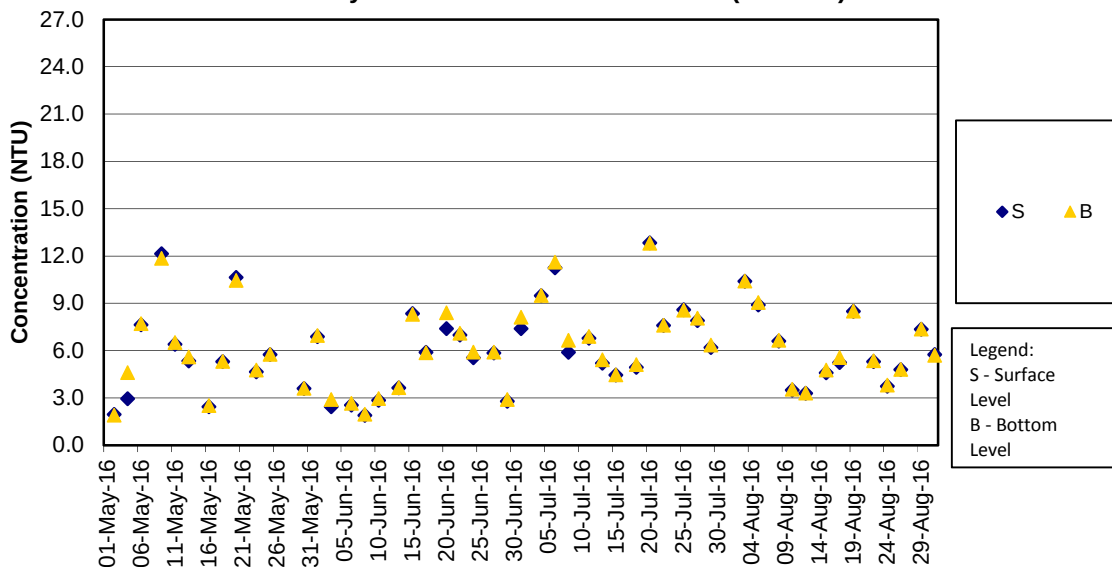
Turbidity Concentrations at Station IS(Mf)6 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

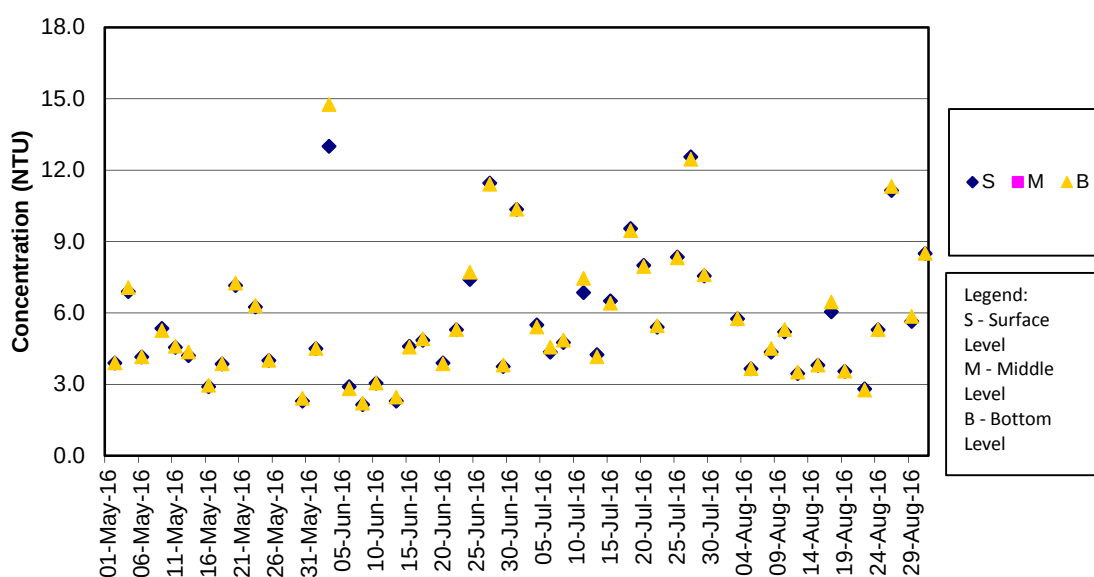
Turbidity Concentrations at Station IS7 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

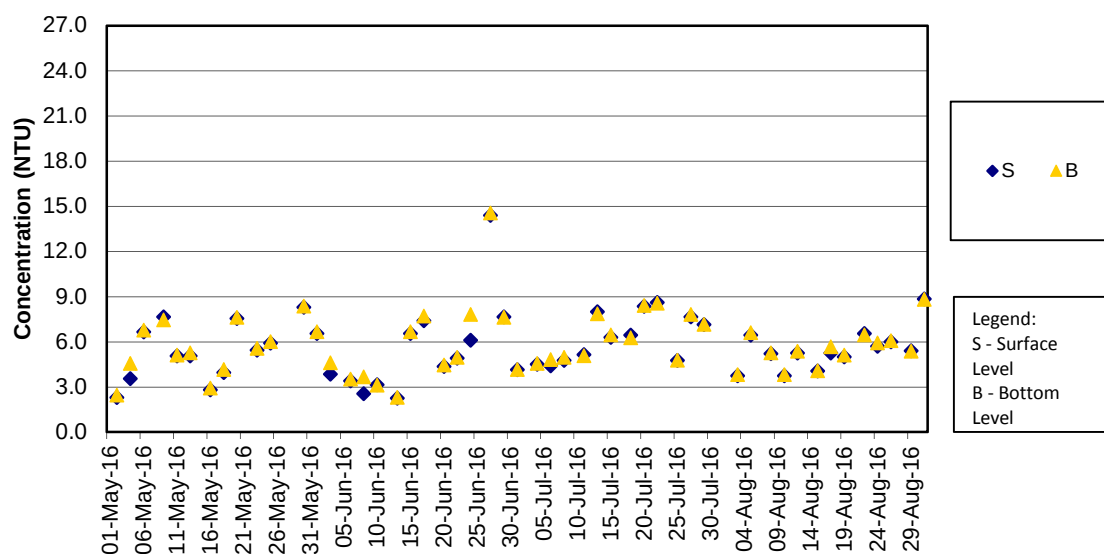
Turbidity Concentrations at Station IS7 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

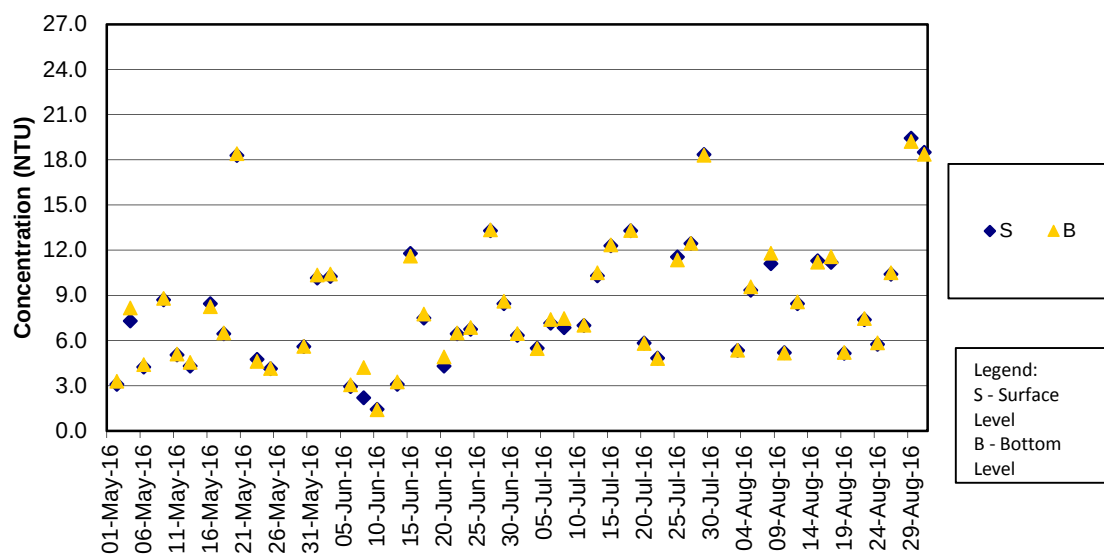
Turbidity Concentrations at Station IS8 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

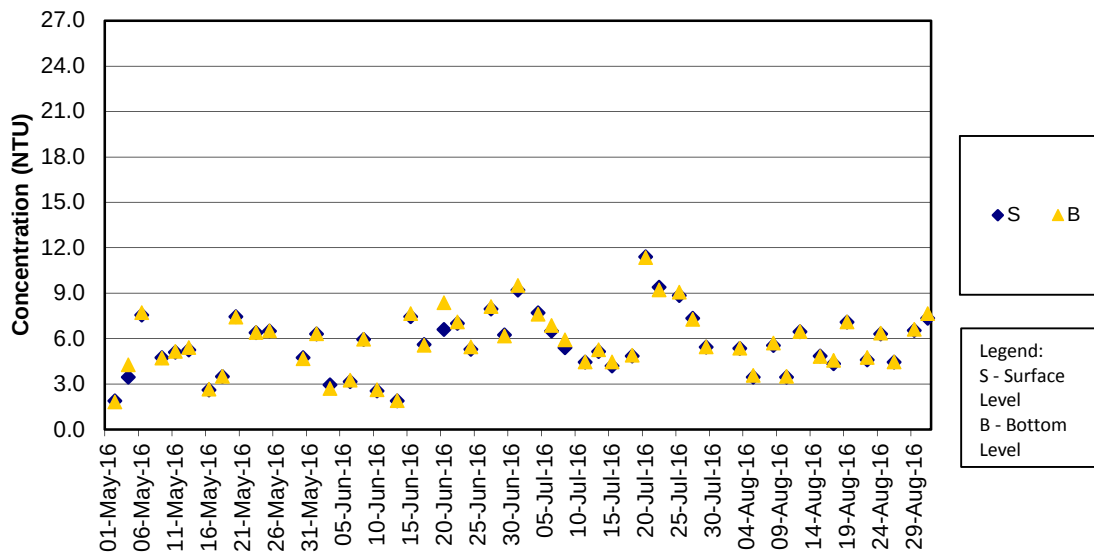
Turbidity Concentrations at Station IS8 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

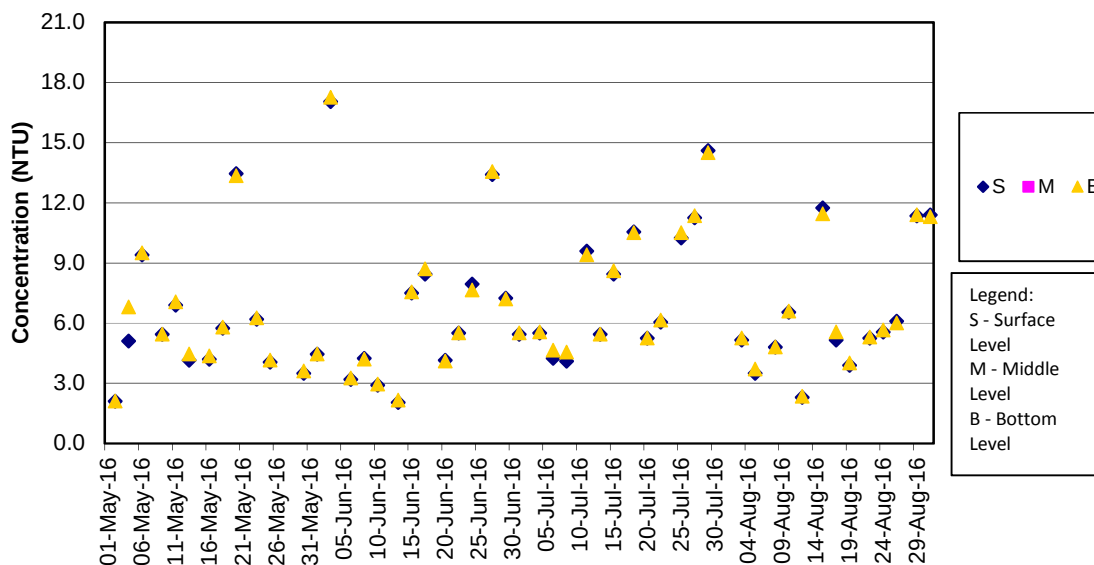
Turbidity Concentrations at Station IS(Mf)9 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

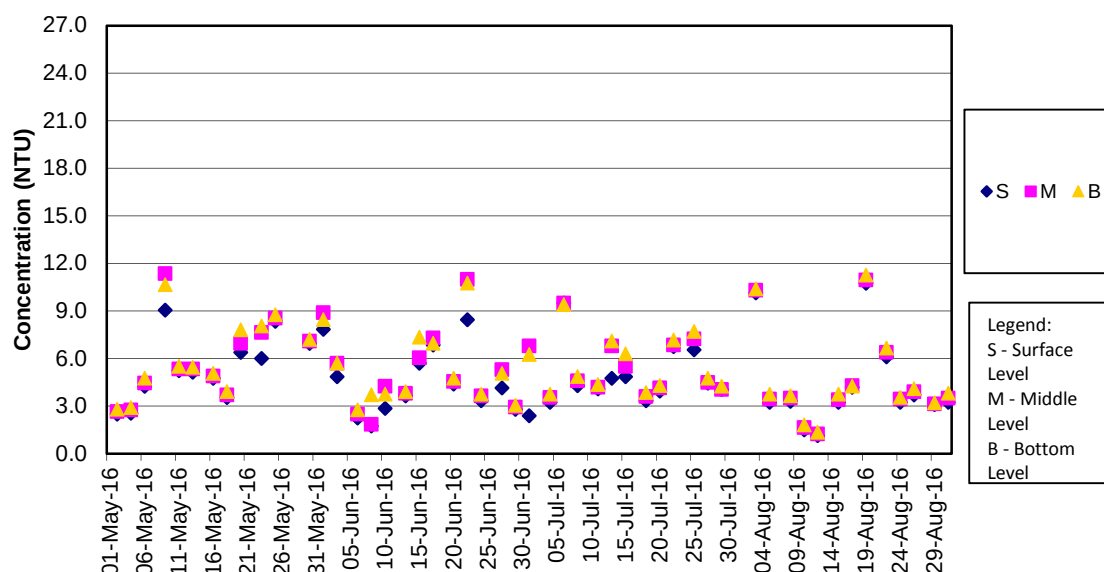
Turbidity Concentrations at Station IS(Mf)9 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

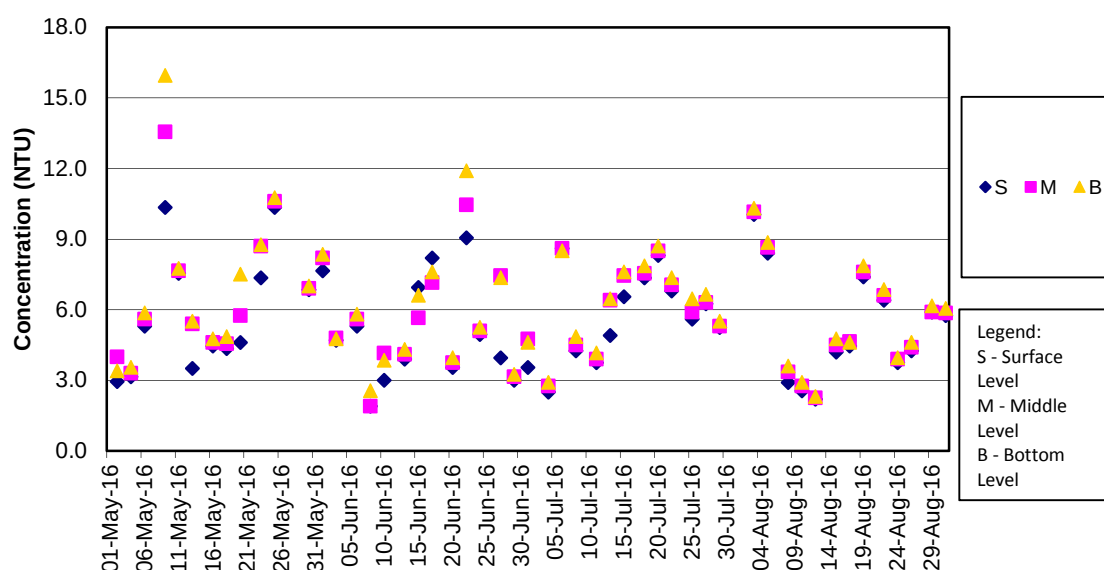
Turbidity Concentrations at Station IS10 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

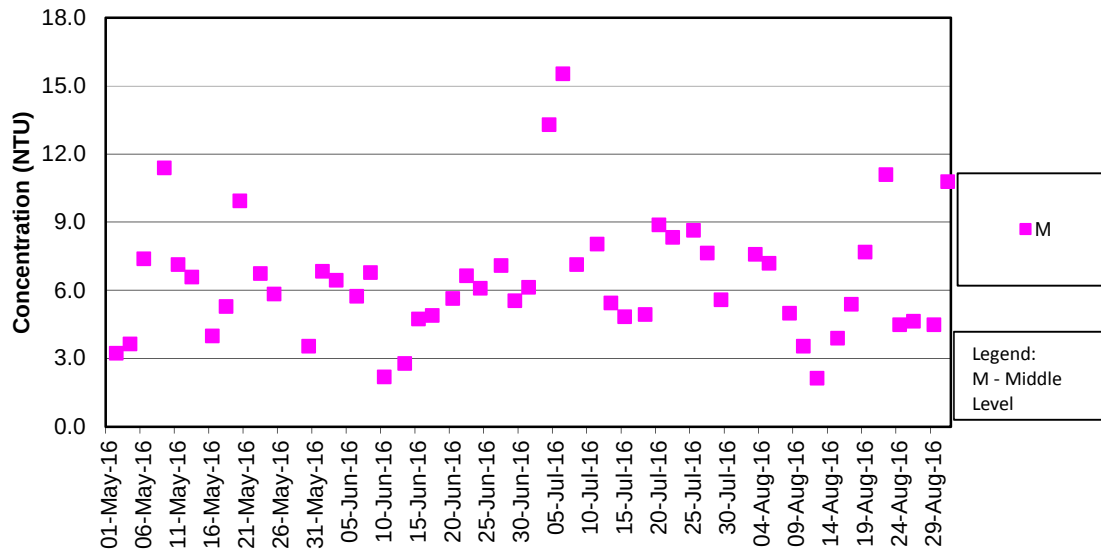
Turbidity Concentrations at Station IS10 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

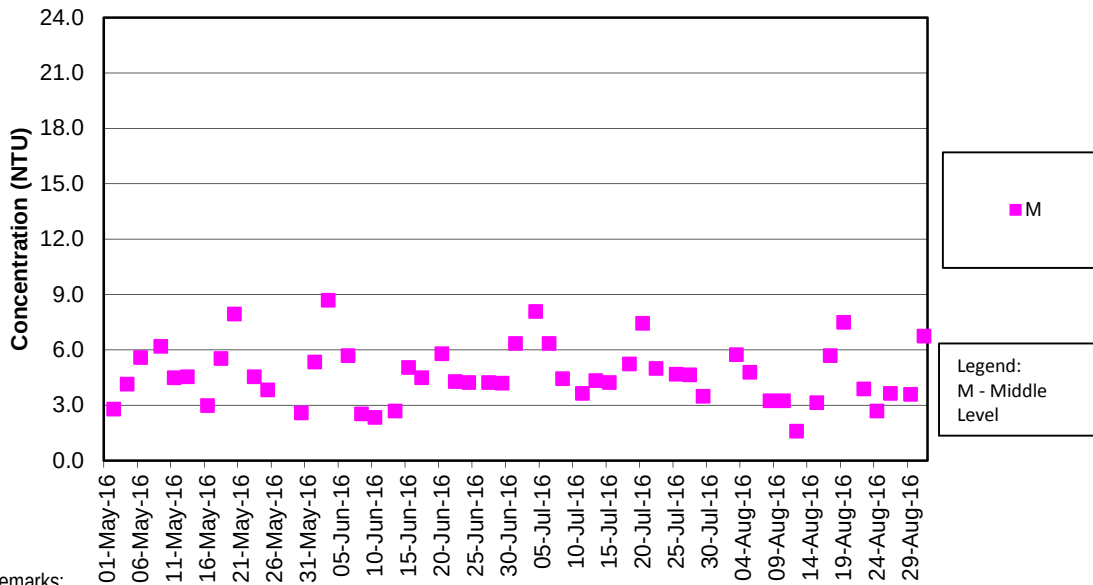
Turbidity Concentrations at Station SR3 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

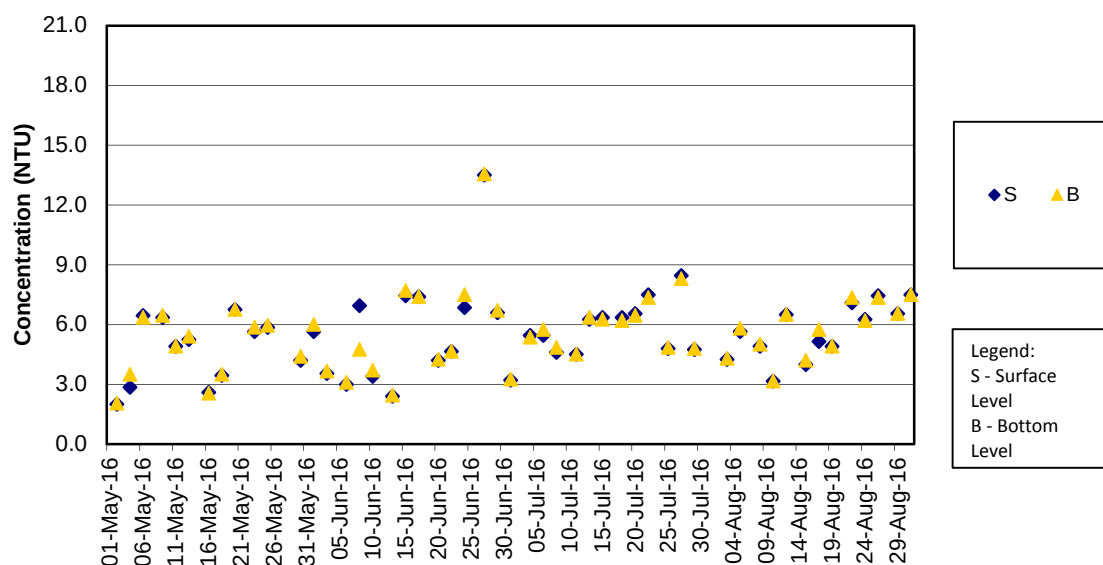
Turbidity Concentrations at Station SR3 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

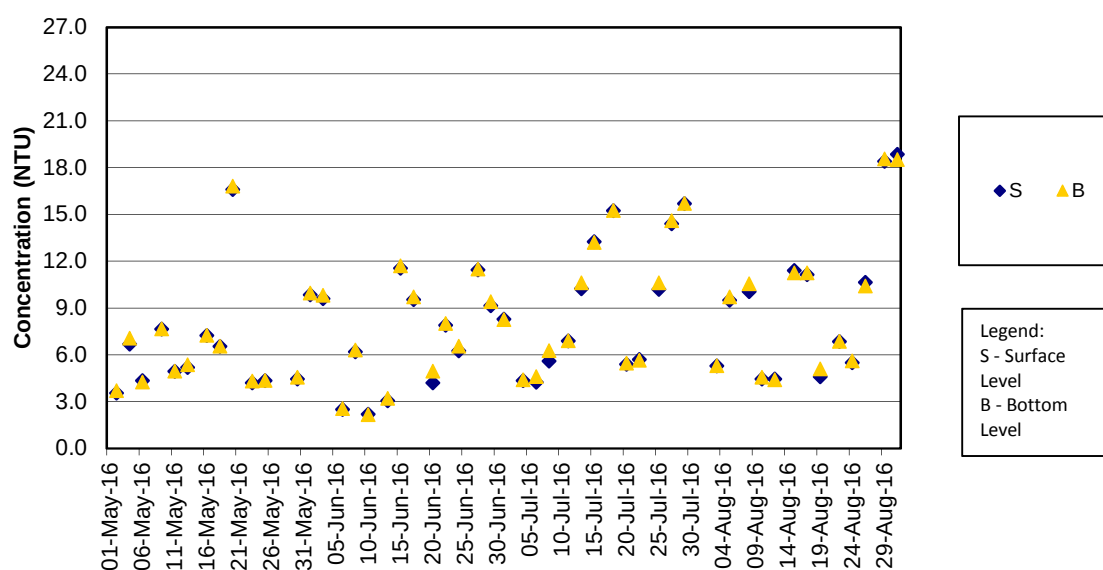
Turbidity Concentrations at Station SR4 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

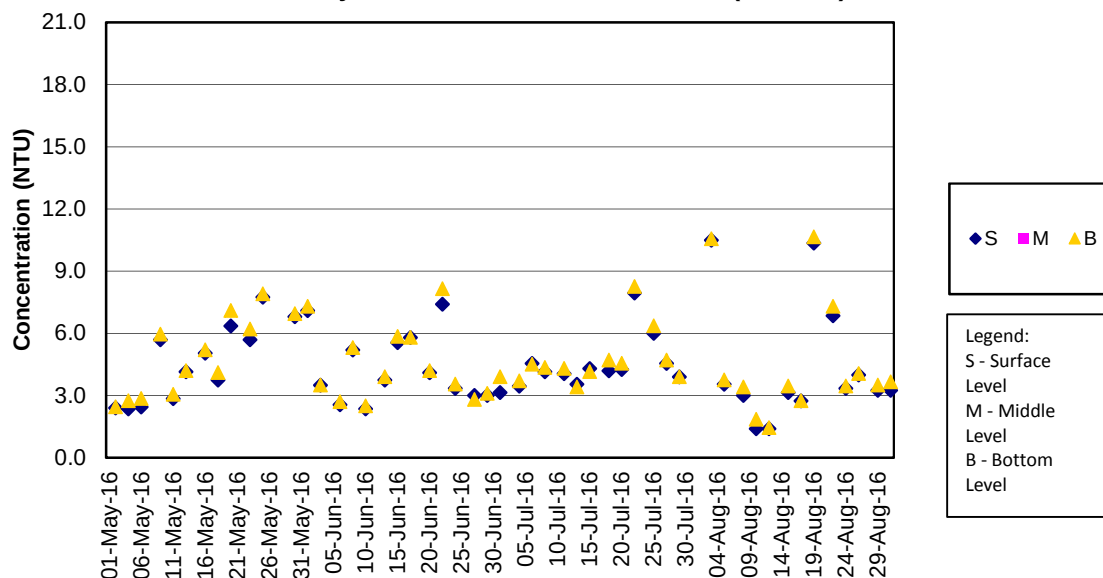
Turbidity Concentrations at Station SR4 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

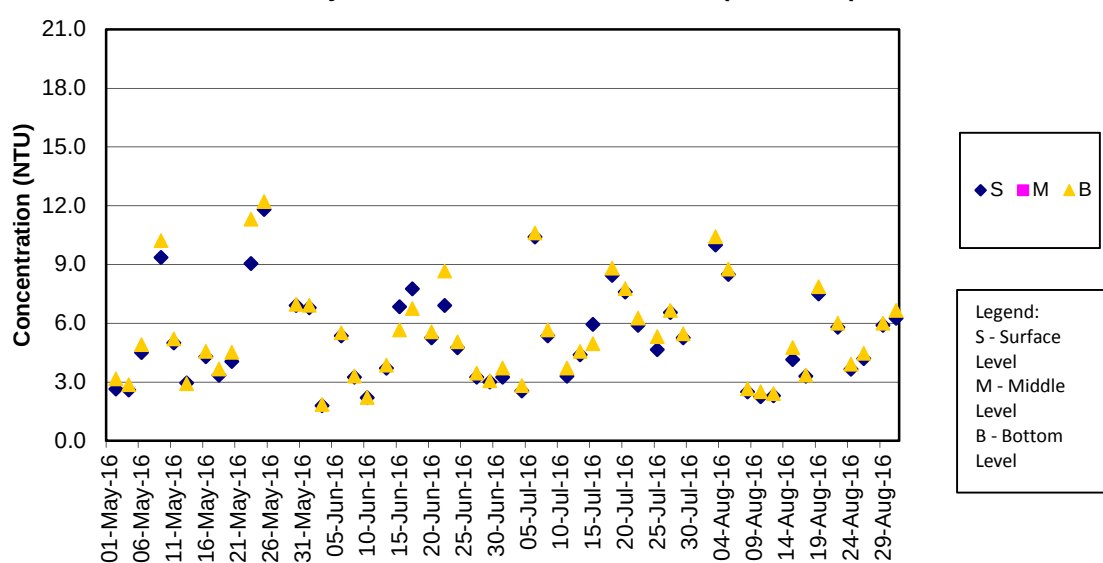
Turbidity Concentrations at Station SR5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

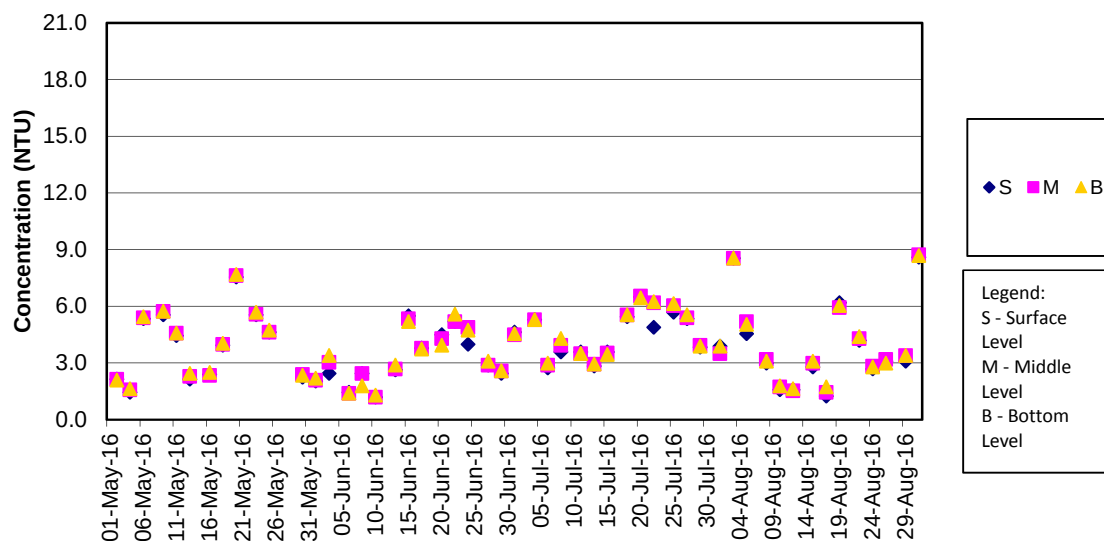
Turbidity Concentrations at Station SR5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

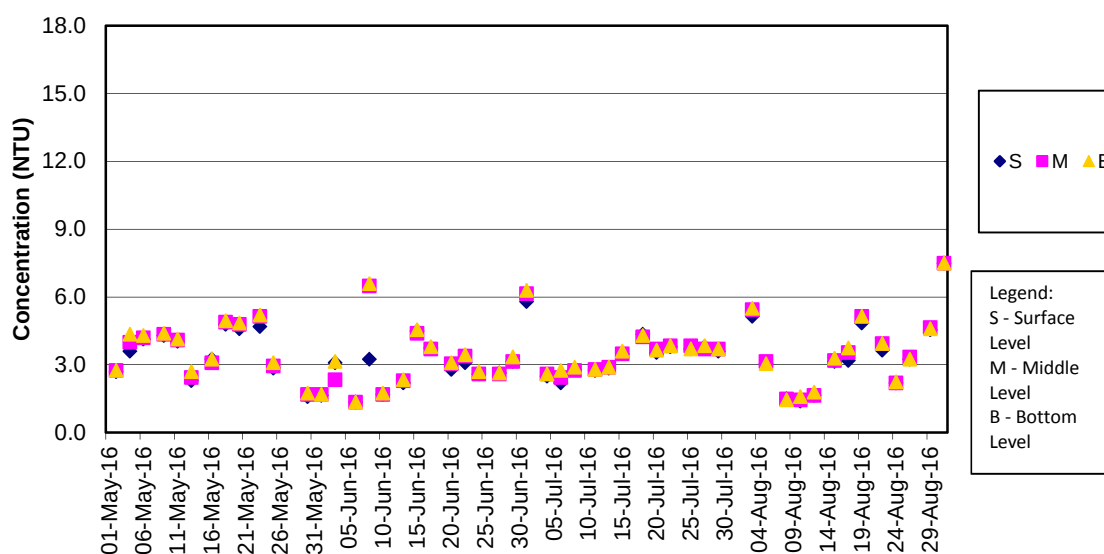
Turbidity Concentrations at Station SR10A (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

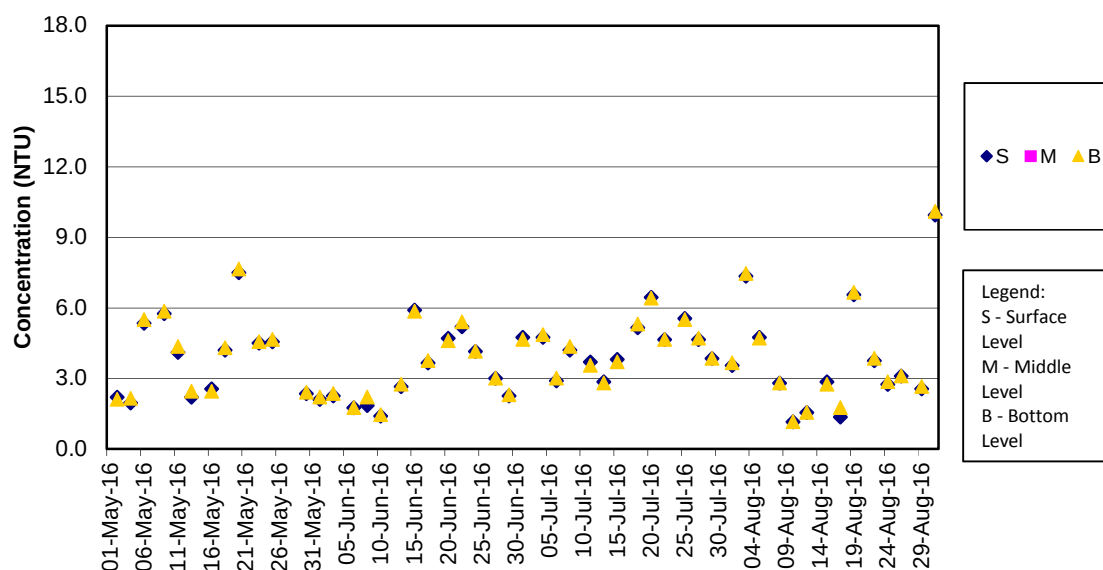
Turbidity Concentrations at Station SR10A (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

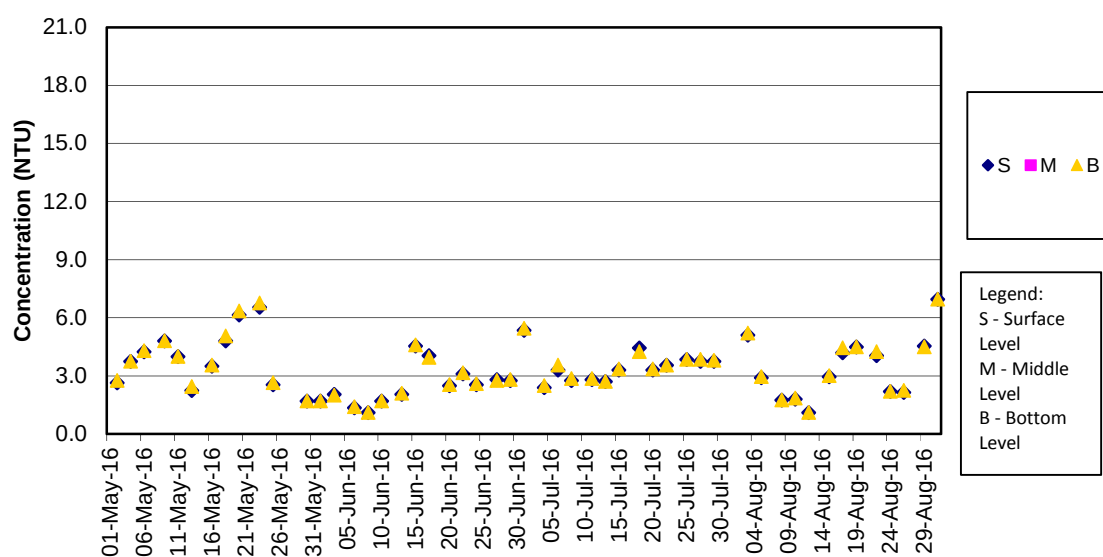
Turbidity Concentrations at Station SR10B (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

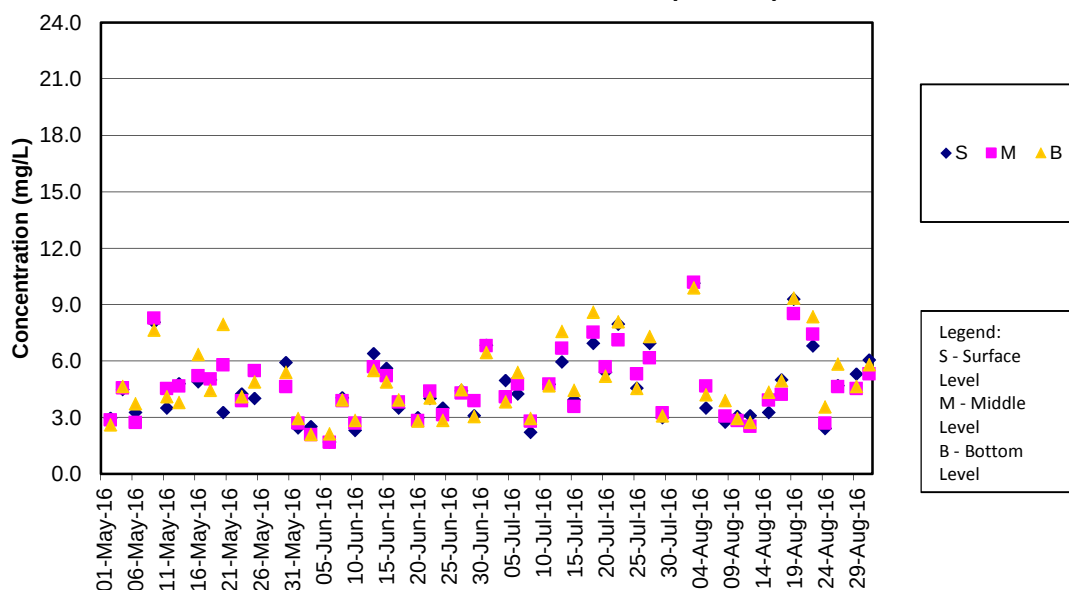
Turbidity Concentrations at Station SR10B (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

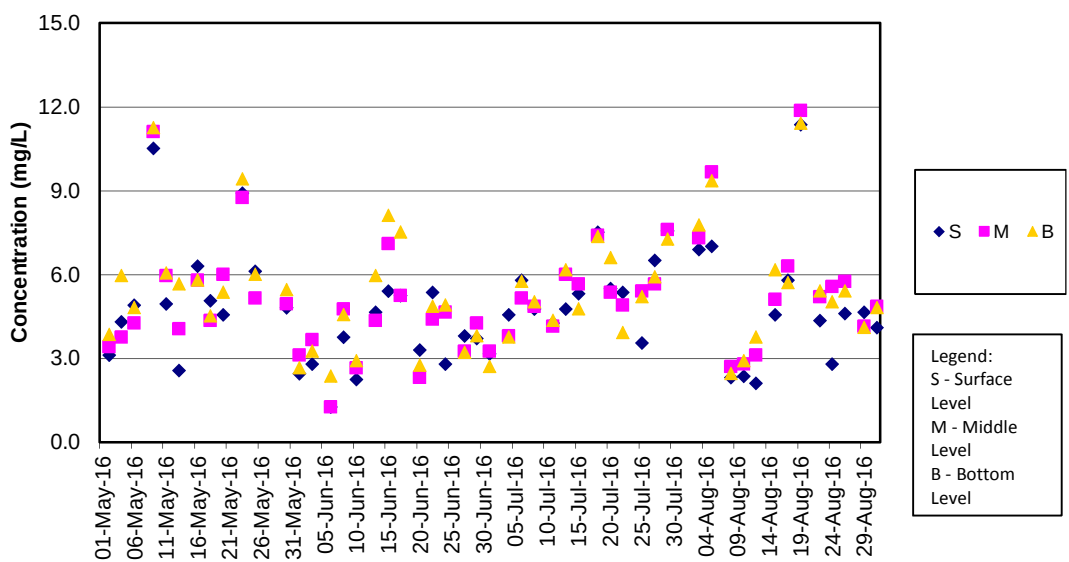
SS Concentrations at Station CS2 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

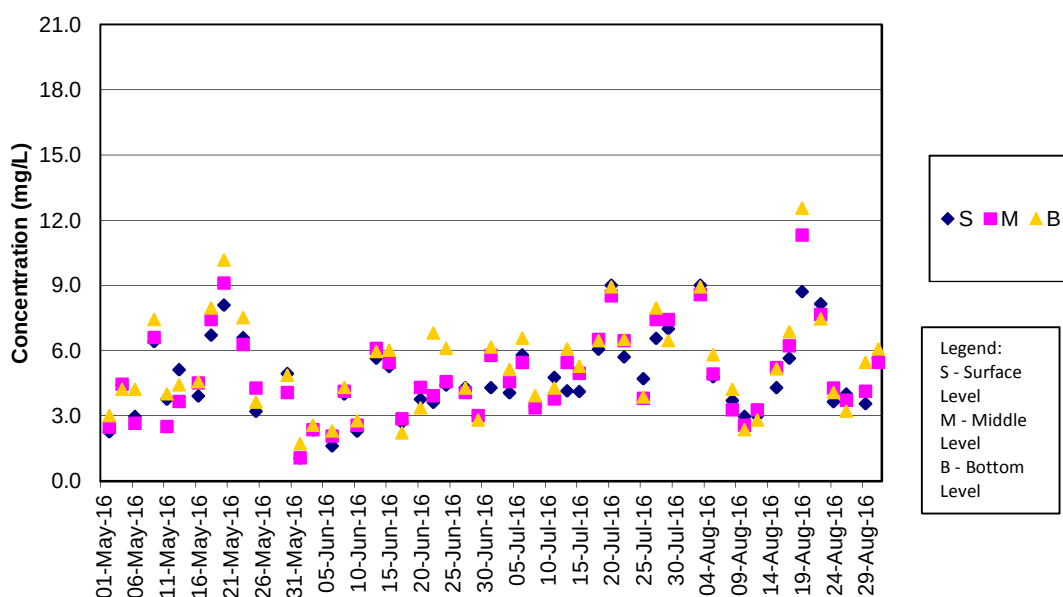
SS Concentrations at Station CS2 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

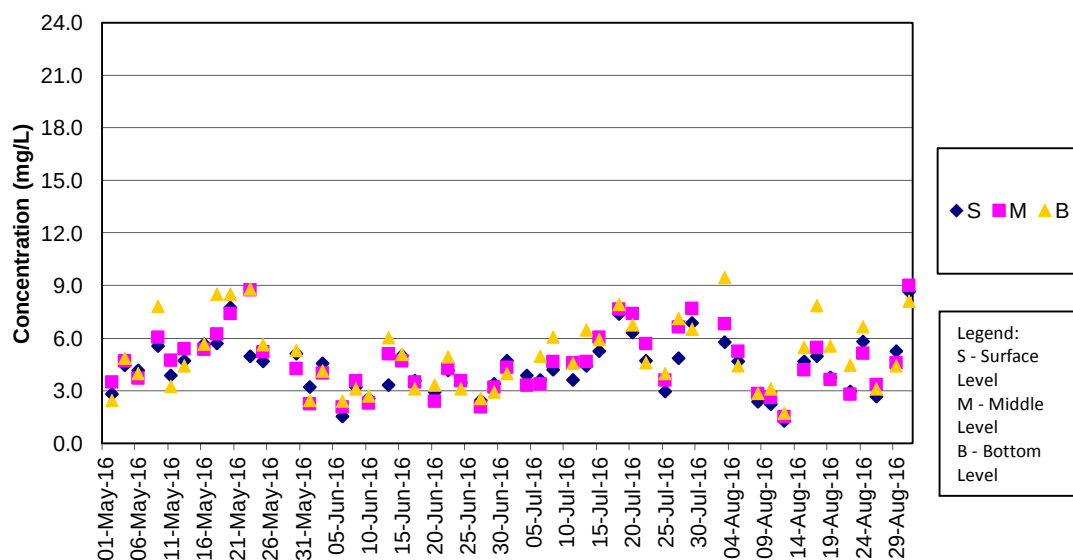
SS Concentrations at Station CS(Mf)5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

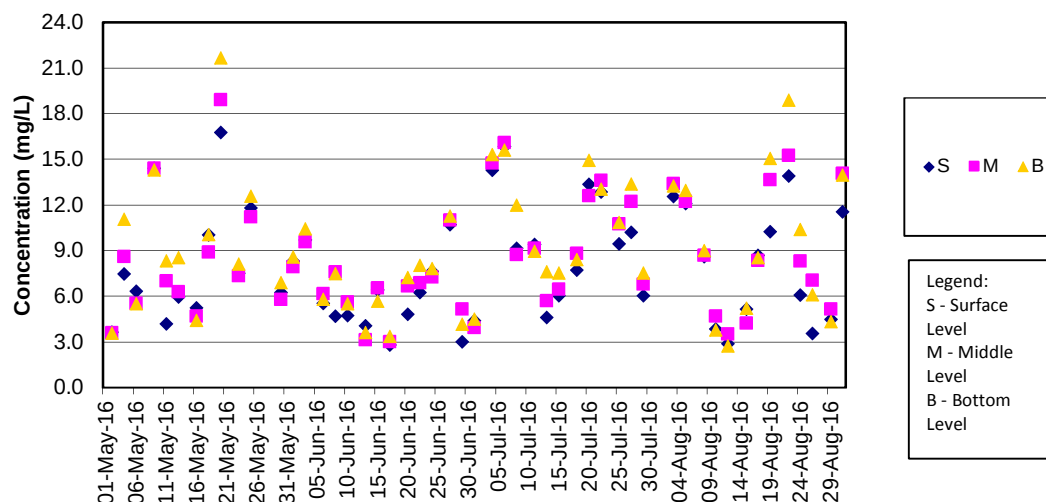
SS Concentrations at Station CS(Mf)5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

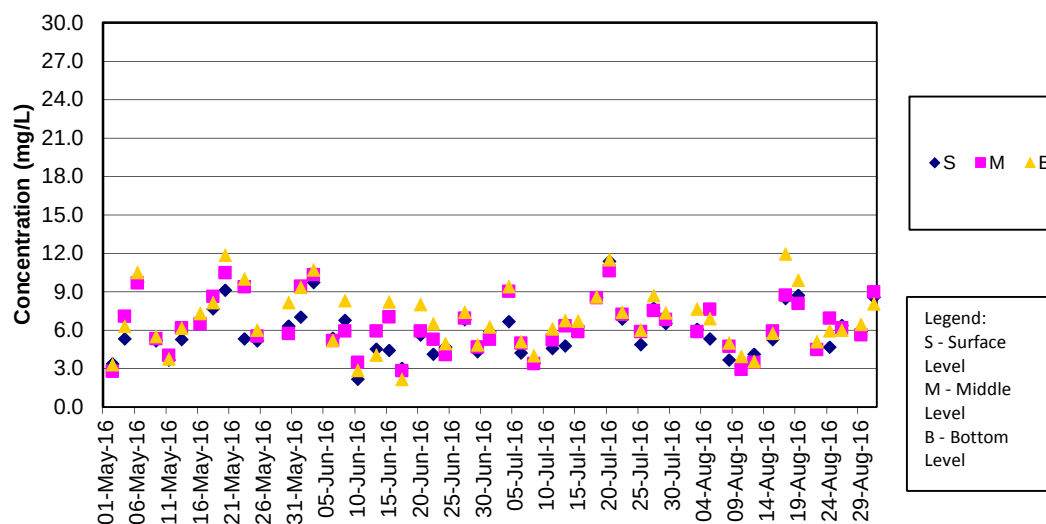
SS Concentrations at Station IS5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

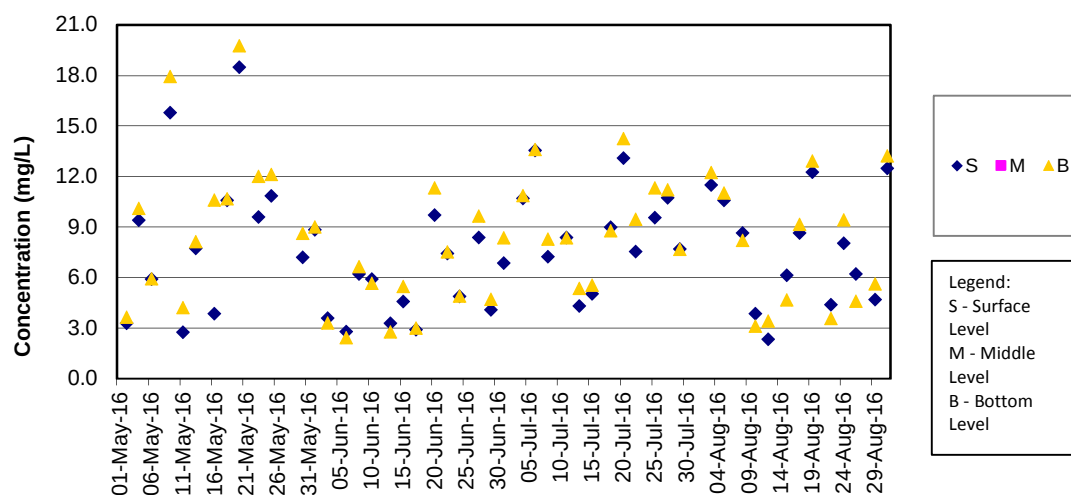
SS Concentrations at Station IS5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

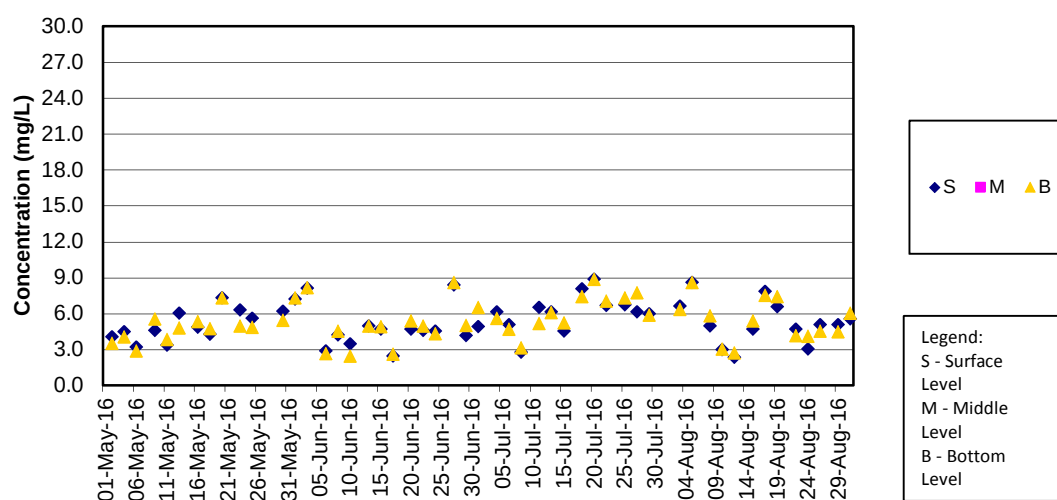
SS Concentrations at Station IS(Mf)6 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

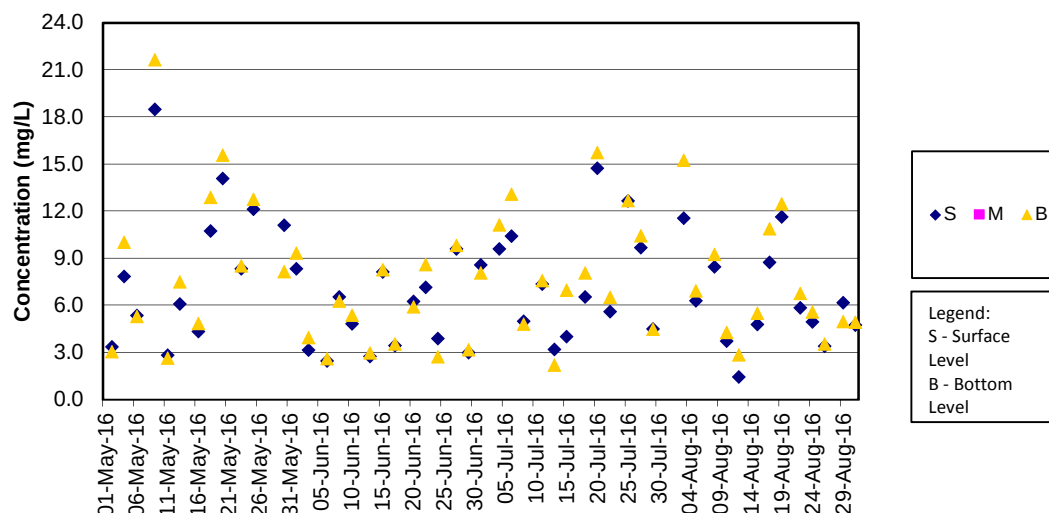
SS Concentrations at Station IS(Mf)6 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

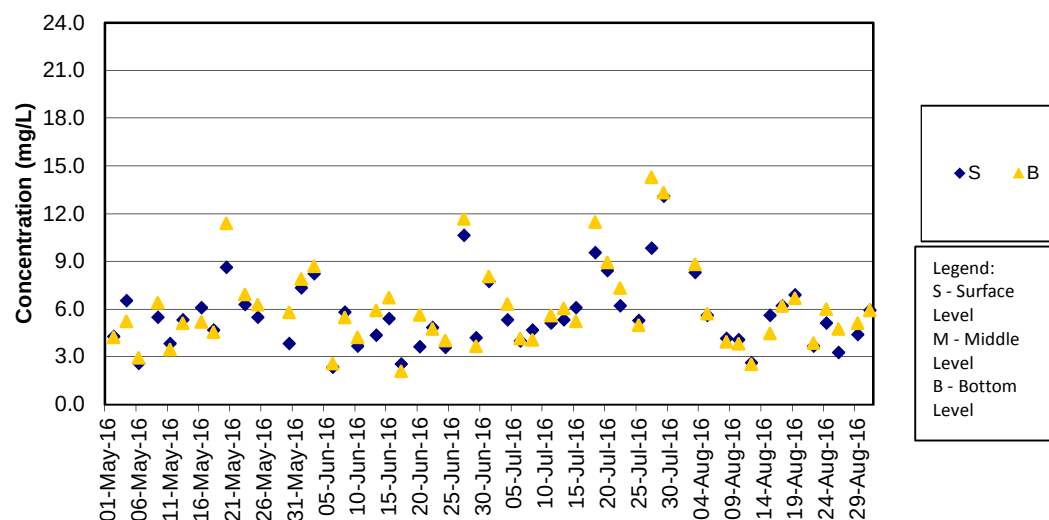
SS Concentrations at Station IS7 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

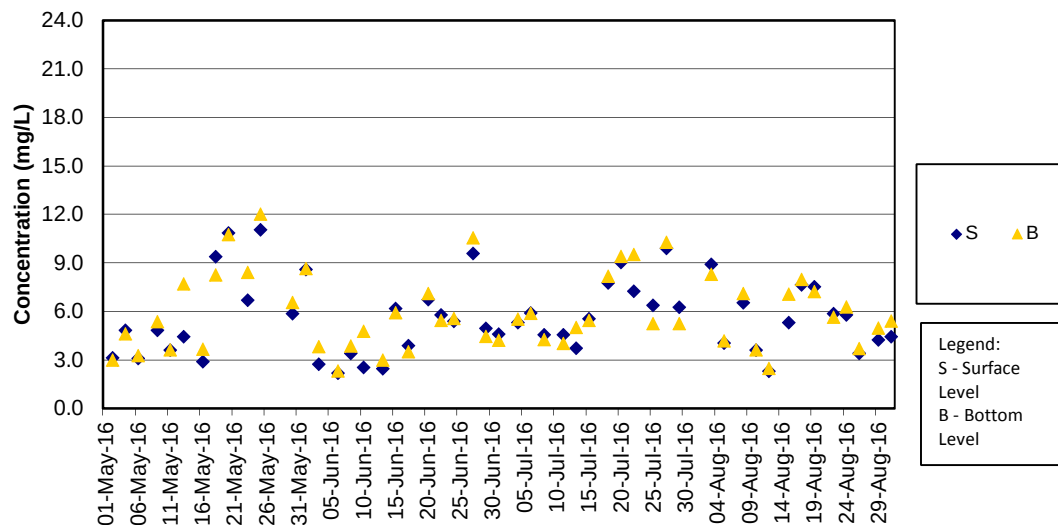
SS Concentrations at Station IS7 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

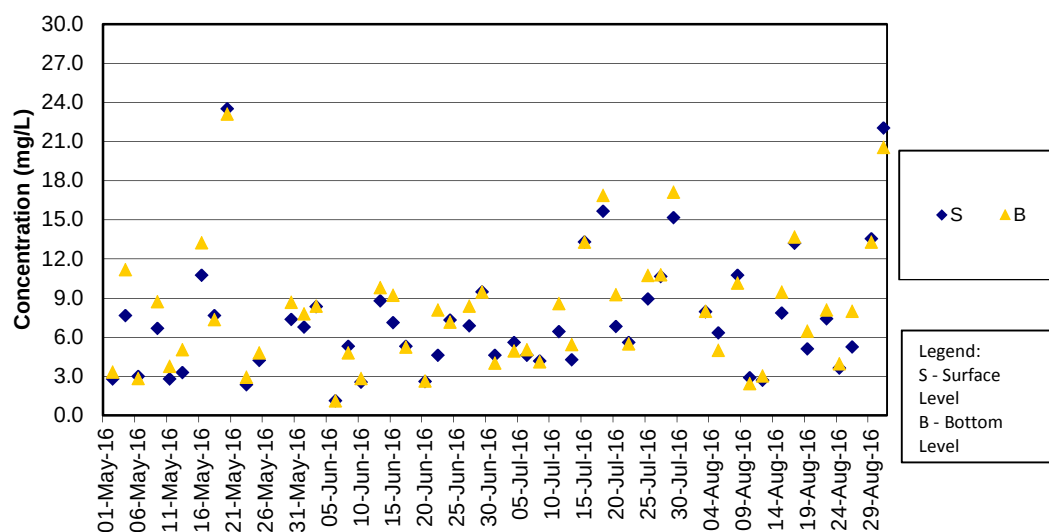
SS Concentrations at Station IS8 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

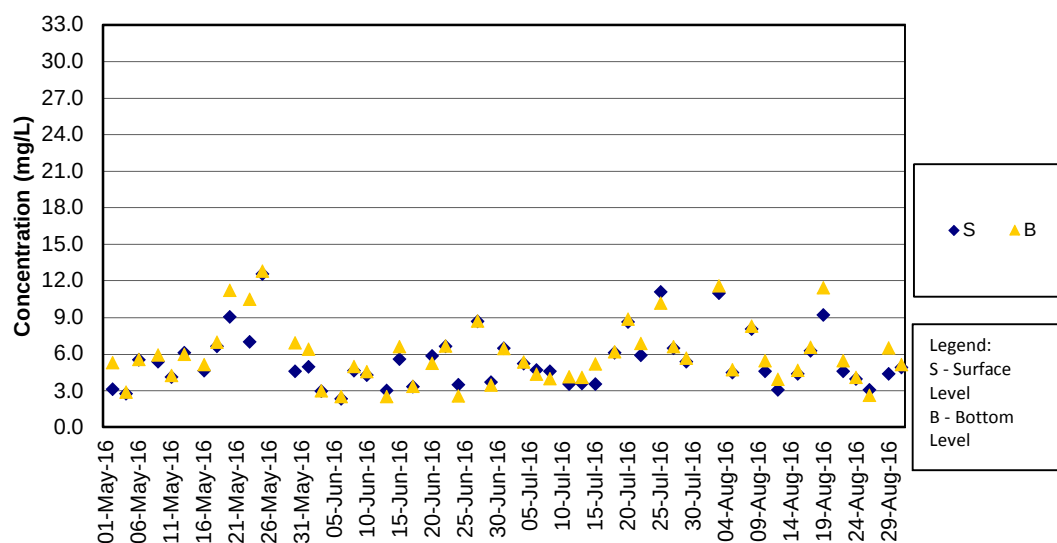
SS Concentrations at Station IS8 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

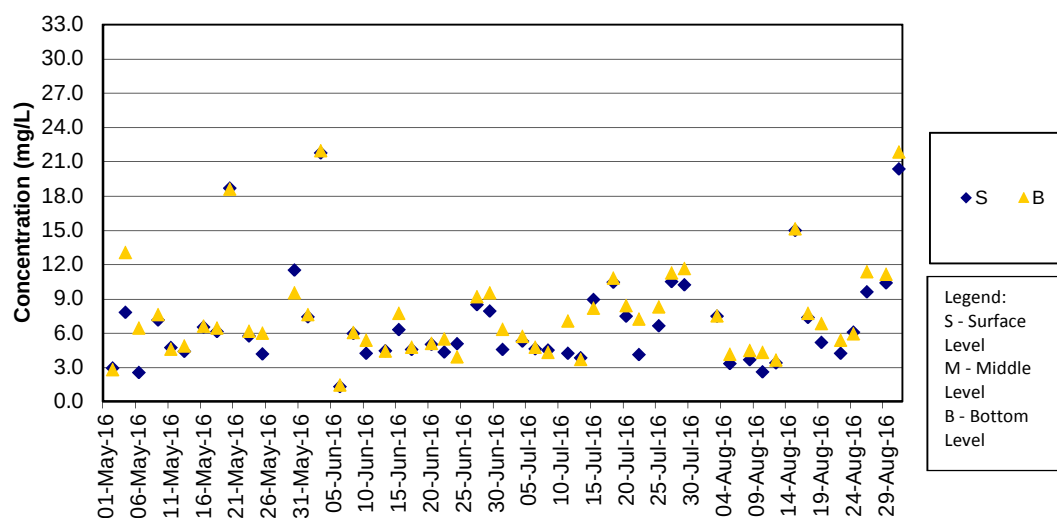
SS Concentrations at Station IS(Mf)9 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

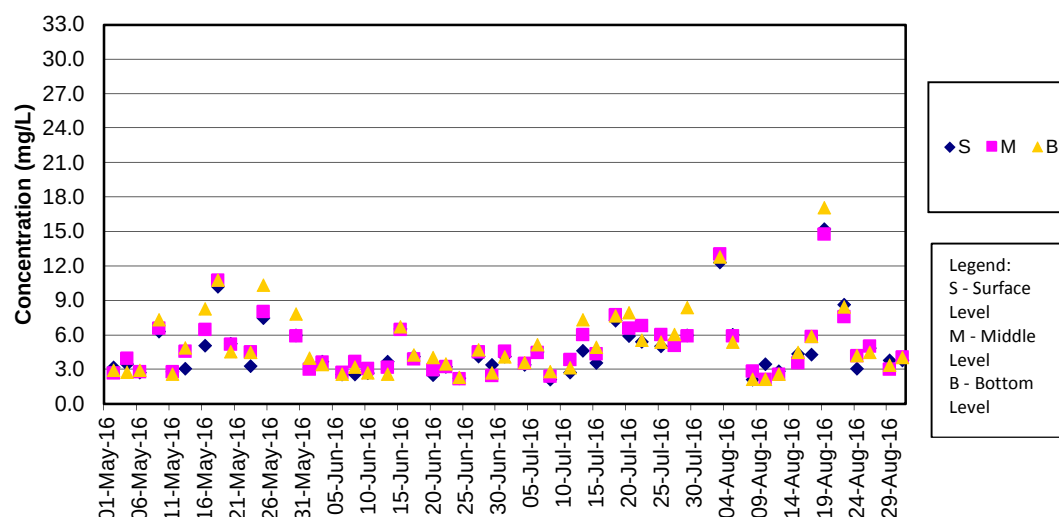
SS Concentrations at Station IS(Mf)9 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

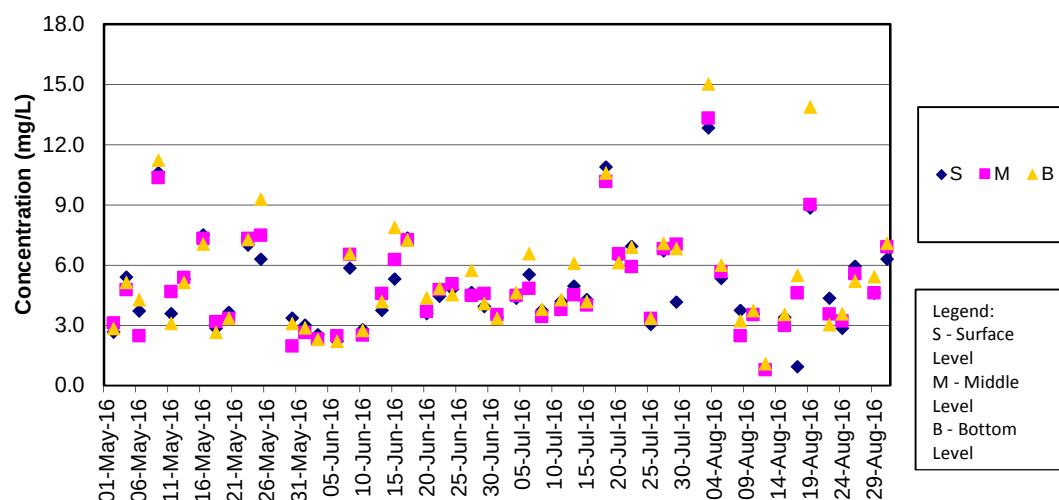
SS Concentrations at Station IS10 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

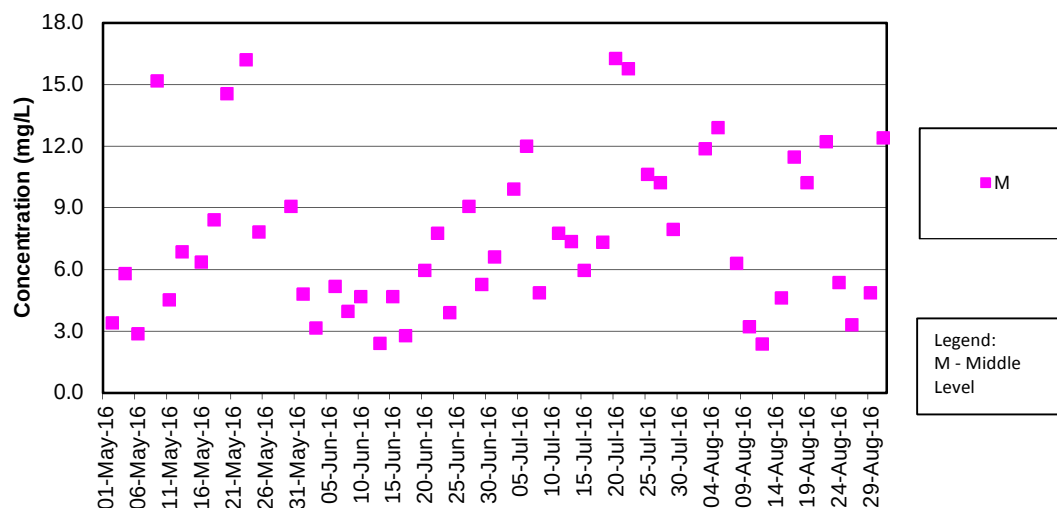
SS Concentrations at Station IS10 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

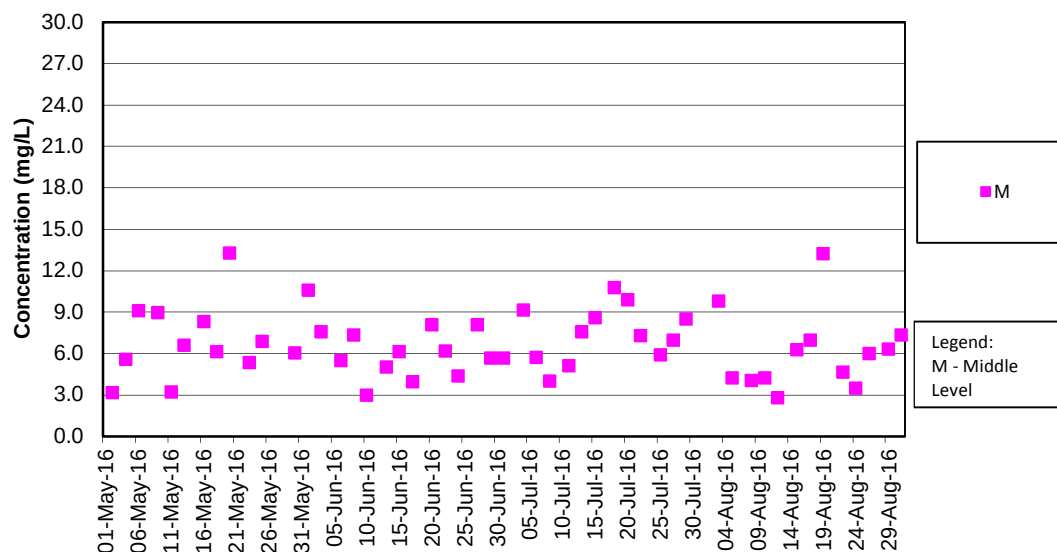
SS Concentrations at Station SR3 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

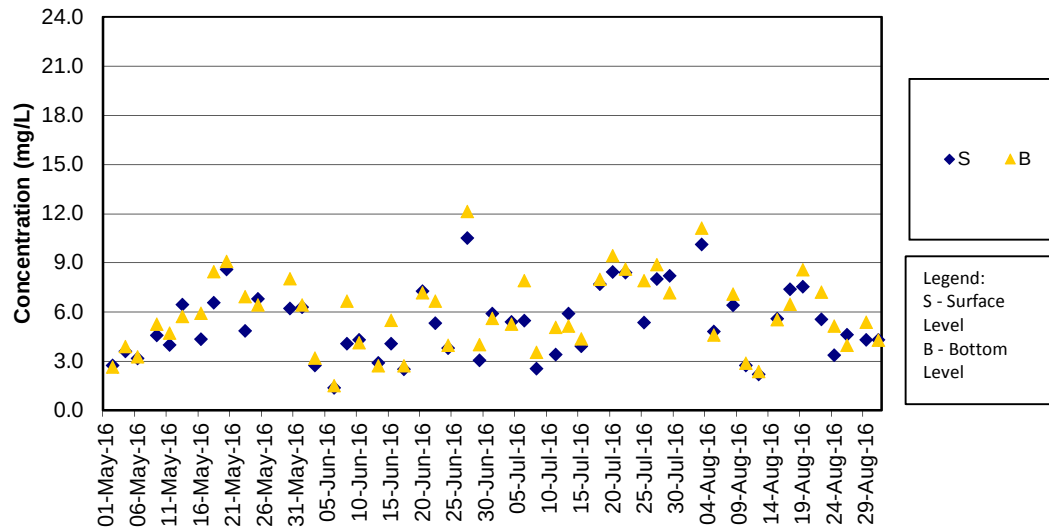
SS Concentrations at Station SR3 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

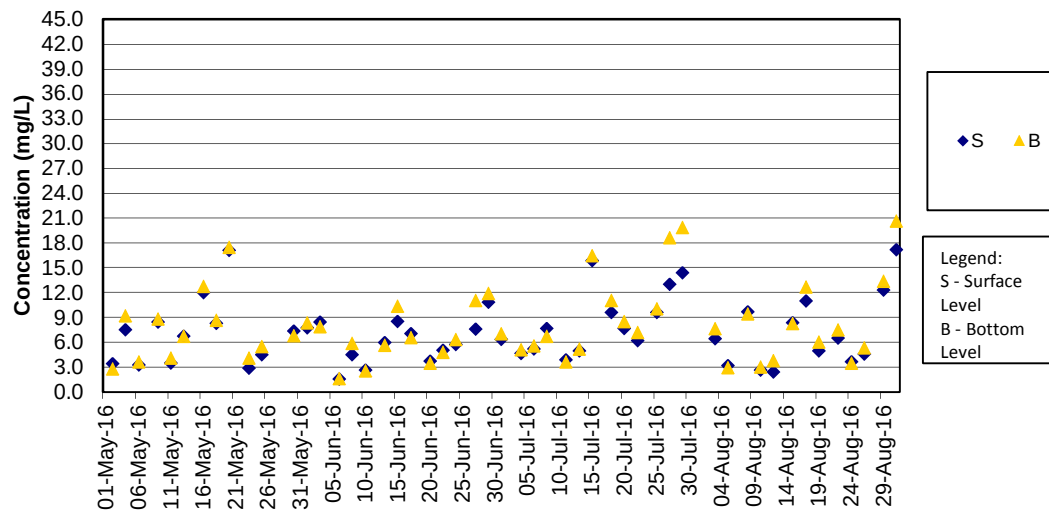
SS Concentrations at Station SR4 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

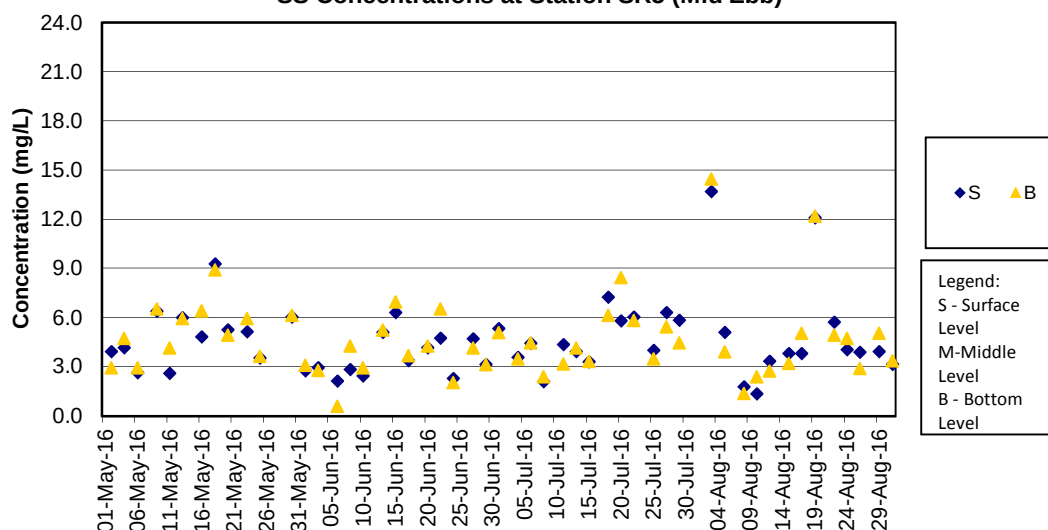
SS Concentrations at Station SR4 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

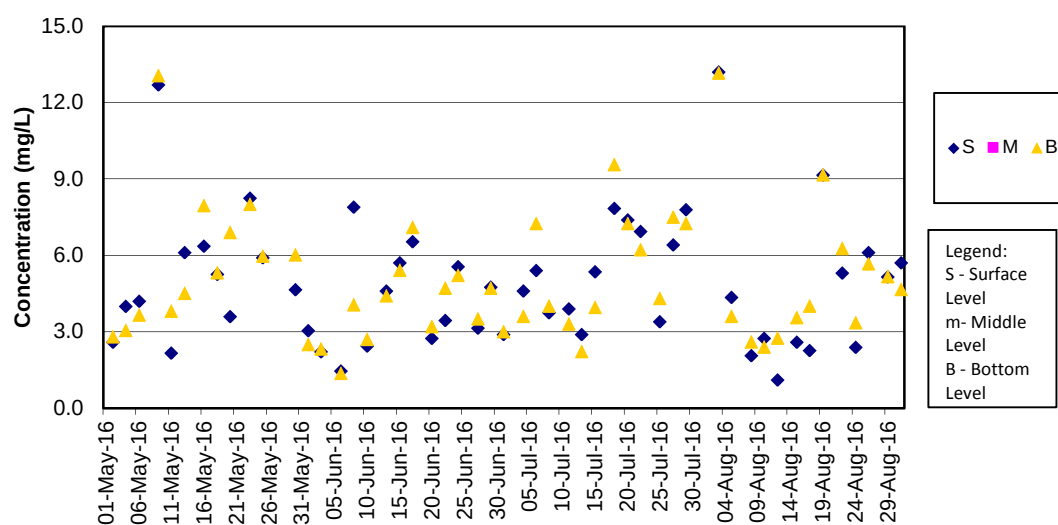
SS Concentrations at Station SR5 (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

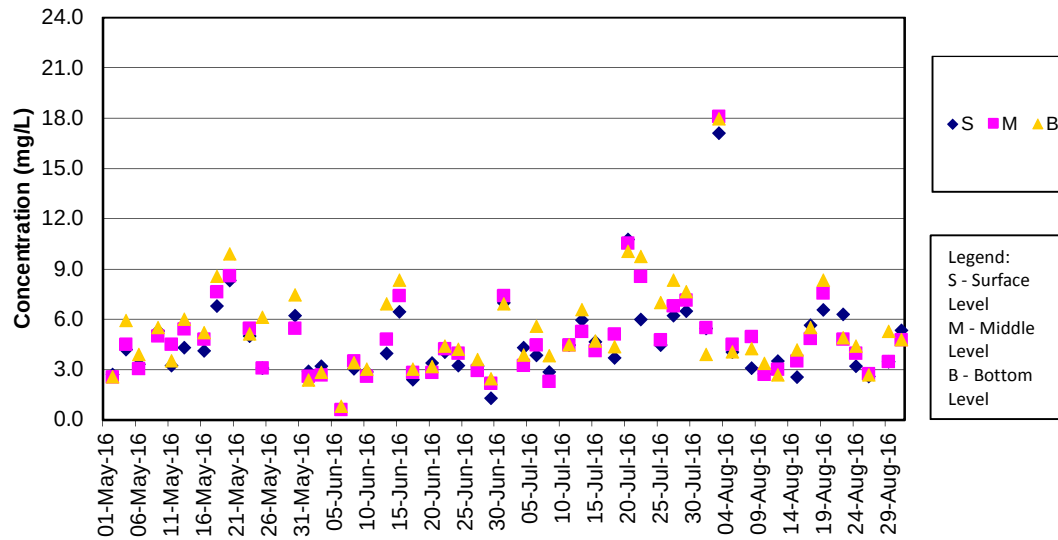
SS Concentrations at Station SR5 (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

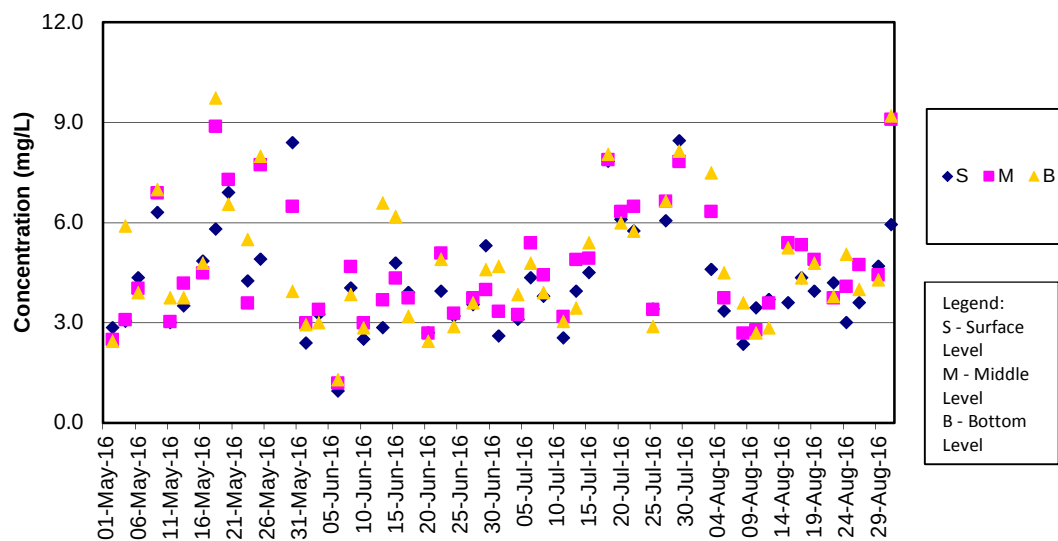
SS Concentrations at Station SR10A (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

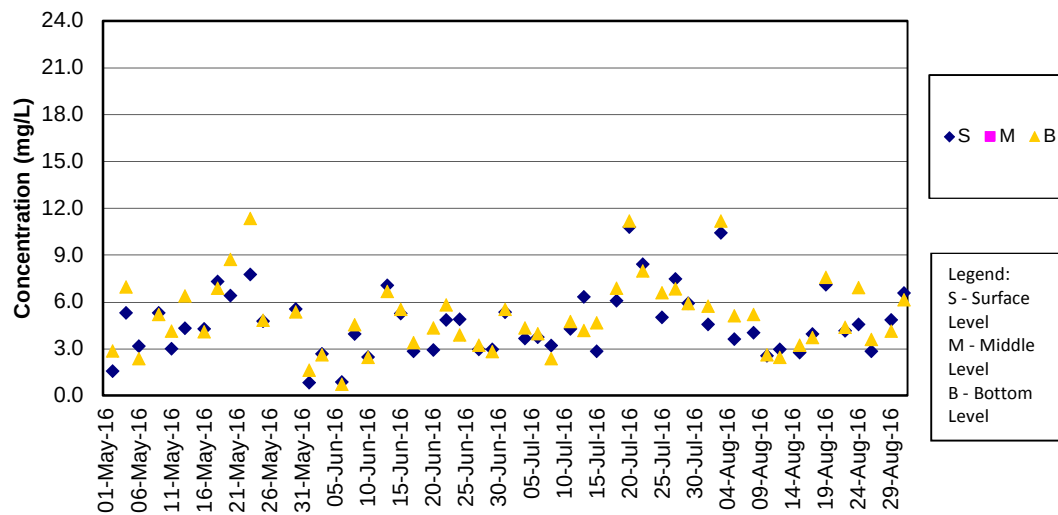
SS Concentrations at Station SR10A (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

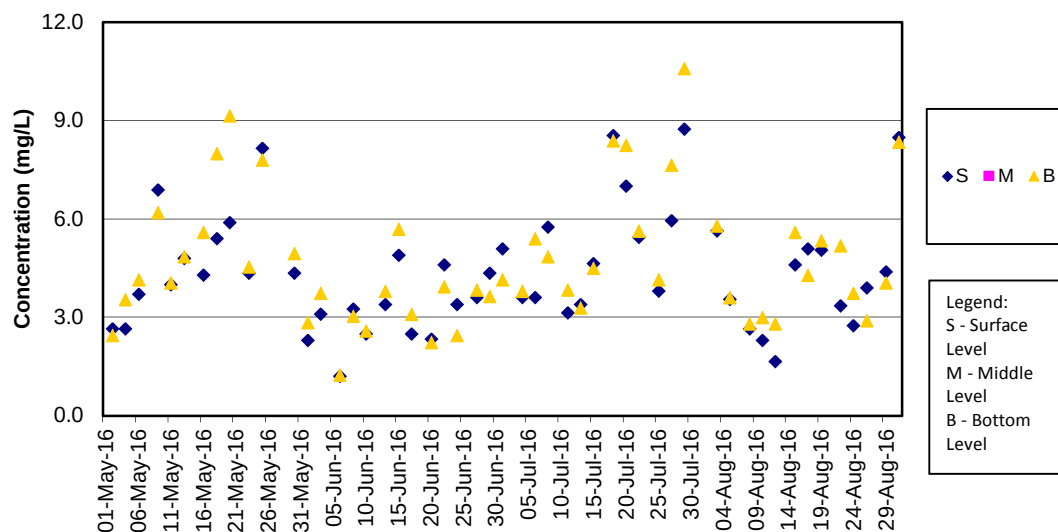
SS Concentrations at Station SR10B (Mid Ebb)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.

SS Concentrations at Station SR10B (Mid Flood)



Remarks:

- 1) As Strong Wind Signal No.3 was hoisted by Hong Kong Observatory on 27 May 2016, water quality monitoring on 27 May 2016 was cancelled for safety reason.
- 2) As the Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory on 1 Aug 2016 (11:40am), water quality monitoring (WQM) was carried out at stations SR10A and SR10B only for mid-ebb tide. WQM for remaining stations for mid-ebb tide and WQM at all stations for mid-flood tide was cancelled for safety reason.



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

16th Quarterly Progress Report (June-August 2016)
submitted to China State Construction Engineering (HK) Ltd.

Submitted by

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

26 September 2016

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. In 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 16th 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 June to August 2016.

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. The coordinates of several starting points have been revised due to the obstruction of the permanent structures in association to 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, and the revised coordinates are in red and marked with an asterisk 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	805475	815913*		14	Start Point	817537	820220
2	End Point	805477	826654		14	End Point	817537	824613
3	Start Point	806464	819435		15	Start Point	818568	820735
3	End Point	806464	822911		15	End Point	818568	824433
4	Start Point	807518	819771		16	Start Point	819532	821420
4	End Point	807518	829230		16	End Point	819532	824209
5	Start Point	808504	820220		17	Start Point	820451	822125
5	End Point	808504	828602		17	End Point	820451	823671

6	Start Point	809490	820466		18	Start Point	821504	822371
6	End Point	809490	825352		18	End Point	821504	823761
7	Start Point	810499	820880*		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	820872		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					
12	End Point	815542	824882					

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

- 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 2015, 2016). 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 (Hung 2013). 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-km² grids among NWL and NEL survey areas on GIS. Sighting densities (number of on-effort sightings per km²) and dolphin densities (total number of dolphins from on-effort sightings per km²) 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 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-km² 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-km²

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 June to August 2016, 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 897.06 km of survey effort was collected, with 92.5% 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, 341.80 km and 555.26 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 648.70 km, while the effort on secondary lines was 248.36 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 June to August 2016, a total of ten groups of 34 Chinese White Dolphins were sighted. A summary table of the dolphin sightings is shown in Annex II.
- 3.1.5. For the present quarterly period, seven of the ten dolphin sightings were made during on-effort search, while all seven on-effort dolphin sightings were made on primary lines. In addition, all except one dolphin group were sighted in NWL, while an off-effort sighting of a lone dolphin was made on June 6th in NEL. In fact, since August 2014, only two sightings of two lone dolphins were made respectively in NEL during HKLR03 monitoring surveys.
- 3.2. *Distribution*
 - 3.2.1. Distribution of dolphin sightings made during monitoring surveys in June to August 2016 is shown in Figure 1.
 - 3.2.2. Dolphin sightings made in the present quarter were mainly located to the east of Lung Kwu Chau and to the west of Sha Chau near western territorial boundary (Figure 1). Two sightings were made to the west of Shum Wat very close to the Hong Kong Link Road alignment at the southwestern corner of NWL survey area (Figure 1). The lone dolphin sighted in NEL was located between Shum Shui Kok and Yam O (Figure 1).
 - 3.2.3. All dolphin sightings were located far away from the HKBCF and HKLR03 reclamation sites as well as along the alignment of Tuen Mun-Chek Lap Kok Link (TMCLKL). However, two dolphin groups were located adjacent to the HKLR alignment (Figure 1).
 - 3.2.4. Sighting distribution of dolphins during the present impact phase monitoring period (June to August 2016) was drastically different from the one during the baseline monitoring period (September to November 2011). In the present quarter, dolphins have almost disappeared from the NEL region with the exception of a lone dolphin occurred near Shum Shui Kok (Figure 1). This 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 14 quarters of HKLR03 monitoring, which has resulted in zero to extremely low dolphin encounter rates in this area.

3.2.5. In NWL survey area, dolphin occurrence was also very different between the baseline and impact phase periods. During the present impact monitoring period, much fewer dolphins occurred in this survey area (mostly to the east of Lung Kwu Chau and west of Sha Chau) than during the baseline period, when many dolphin groups were frequently sighted between Lung Kwu Chau and Black Point, around Sha Chau, near Pillar Point and to the west of the Chek Lap Kok Airport (Figure 1).

3.2.6. Another comparison in dolphin distribution was made between the four quarterly periods of summer months in 2013-16 (Figure 2). Among the four summer periods, dolphins were regularly sighted throughout the North Lantau region in 2013, but their usage there has gradually diminished in 2014 and subsequently to a very low level in 2015 and 2016 (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 1.43 sightings and 6.34 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 June – August 2016

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 (1 & 6 Jun 2016)	0.00	0.00
	Set 2 (13 & 17 Jun 2016)	0.00	0.00
	Set 3 (5 & 12 Jul 2016)	0.00	0.00
	Set 4 (18 & 27 Jul 2016)	0.00	0.00
	Set 5 (5 & 9 Aug 2016)	0.00	0.00
	Set 6 (17 & 23 Aug 2016)	0.00	0.00
Northwest Lantau	Set 1 (1 & 6 Jun 2016)	0.00	0.00
	Set 2 (13 & 17 Jun 2016)	0.00	0.00
	Set 3 (5 & 12 Jul 2016)	4.60	9.20
	Set 4 (18 & 27 Jul 2016)	0.00	0.00
	Set 5 (5 & 9 Aug 2016)	4.24	28.28
	Set 6 (17 & 23 Aug 2016)	1.48	7.40

Table 3. Comparison of average dolphin encounter rates from impact monitoring period (June – August 2016) 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; $\pm$ 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)	
	June – August 2016	September – November 2011	June – August 2016	September – November 2011
Northeast Lantau	0.0	6.00 $\pm$ 5.05	0.0	22.19 $\pm$ 26.81
Northwest Lantau	1.72 $\pm$ 2.17	9.85 $\pm$ 5.85	7.48 $\pm$ 10.98	44.66 $\pm$ 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 fourteen 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 summer months were highlighted in blue; $\pm$ 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 $\pm$ 5.05	22.19 $\pm$ 26.81
December 2012-February 2013 (Impact)	3.14 $\pm$ 3.21	6.33 $\pm$ 8.64
March-May 2013 (Impact)	0.42 $\pm$ 1.03	0.42 $\pm$ 1.03
June-August 2013 (Impact)	0.88 $\pm$ 1.36	3.91 $\pm$ 8.36
September-November 2013 (Impact)	1.01 $\pm$ 1.59	3.77 $\pm$ 6.49
December 2013-February 2014 (Impact)	0.45 $\pm$ 1.10	1.34 $\pm$ 3.29
March-May 2014 (Impact)	0.00	0.00
June-August 2014 (Impact)	0.42 $\pm$ 1.04	1.69 $\pm$ 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 $\pm$ 1.08	0.44 $\pm$ 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

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 82.5% and 83.3% 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 5).

3.3.5. During the same summer quarters, dolphin encounter rates in NWL during 2016 reached to the lowest point among the four summer periods, and were much lower than the ones recorded in 2013 and 2014 (Table 5). Such temporal trend should be closely monitored in the upcoming monitoring quarters.

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 summer months were highlighted in blue; $\pm$ 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 $\pm$ 5.85	44.66 $\pm$ 29.85
December 2012-February 2013 (Impact)	8.36 $\pm$ 5.03	35.90 $\pm$ 23.10
March-May 2013 (Impact)	7.75 $\pm$ 3.96	24.23 $\pm$ 18.05
June-August 2013 (Impact)	6.56 $\pm$ 3.68	27.00 $\pm$ 18.71
September-November 2013 (Impact)	8.04 $\pm$ 1.10	32.48 $\pm$ 26.51
December 2013-February 2014 (Impact)	8.21 $\pm$ 2.21	32.58 $\pm$ 11.21
March-May 2014 (Impact)	6.51 $\pm$ 3.34	19.14 $\pm$ 7.19
June-August 2014 (Impact)	4.74 $\pm$ 3.84	17.52 $\pm$ 15.12
September-November 2014 (Impact)	5.10 $\pm$ 4.40	20.52 $\pm$ 15.10
December 2014-February 2015 (Impact)	2.91 $\pm$ 2.69	11.27 $\pm$ 15.19
March-May 2015 (Impact)	0.47 $\pm$ 0.73	2.36 $\pm$ 4.07
June-August 2015 (Impact)	2.53 $\pm$ 3.20	9.21 $\pm$ 11.57
September-November 2015 (Impact)	3.94 $\pm$ 1.57	21.05 $\pm$ 17.19
December 2015-February 2016 (Impact)	2.64 $\pm$ 1.52	10.98 $\pm$ 3.81
March-May 2016 (Impact)	0.98 $\pm$ 1.10	4.78 $\pm$ 6.85
June-August 2016 (Impact)	1.72 $\pm$ 2.17	7.48 $\pm$ 10.98

3.3.6. As discussed recently in Hung (2016), the dramatic decline in dolphin usage of NEL waters in the past few years (including the declines in abundance, encounter rate and habitat use in NEL, as well as shifts of individual core areas and ranges away from NEL waters) was possibly related to the HZMB construction works that were commenced since 2012. It appeared that such noticeable decline has already extended to NWL waters progressively in the past few years.

3.3.7. 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).

- 3.3.8. For the comparison between the baseline period and the present quarter (fifteenth quarter of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.0031 and 0.0227 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.
- 3.3.9. For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first fifteen quarters of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.000009 and 0.000001 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).
- 3.3.10. 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. This 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 2016).
- 3.3.11. To ensure the continuous usage of North Lantau waters by the dolphins, every possible measure should be implemented by the contractors and relevant authorities of HZMB-related works to minimize all disturbances to the dolphins.
- 3.4. *Group size*
- 3.4.1. Group size of Chinese White Dolphins ranged from one to eleven individuals per group in North Lantau region during June to August 2016. 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 (June – August 2016) and baseline monitoring period (September – November 2011) (Note: $\pm$ denotes the standard deviation of the average group size)

	Average Dolphin Group Size	
	June – August 2016	September – November 2011
Overall	3.40 $\pm$ 3.34 (n = 10)	3.72 $\pm$ 3.13 (n = 66)
Northeast Lantau	1.00 (n = 1)	3.18 $\pm$ 2.16 (n = 17)
Northwest Lantau	3.67 $\pm$ 3.43 (n = 9)	3.92 $\pm$ 3.40 (n = 49)

- 3.4.2. The average dolphin group size in NWL waters during June to August 2016 was slightly lower than the one recorded during the three-month baseline period (Table 6). Most of these dolphin groups were composed of 1-3 individuals only, while there were two medium-sized groups of five and seven individuals respectively, and one large group of eleven individuals.
- 3.4.3. As there was only one single dolphin sighted in NEL waters during this quarter, the average group size was much lower than the one recorded during the baseline period (Table 6).
- 3.4.4. Distribution of the larger dolphin groups (i.e. five individuals or more per group) during the present quarter is shown in Figure 3, with comparison to the one in baseline period. During the summer months of 2016, the two medium-sized groups were sighted near Pak Chau and to the east of Lung Kwu Chau respectively, while one large group of eleven individuals was sighted to the west of Sha Chau near the western territorial boundary (Figure 3). Such distribution pattern was very different from the baseline period, when the larger dolphin groups were more frequently sighted and more evenly distributed in NWL waters, with a few more sighted in NEL waters (Figure 3).
- 3.5. *Habitat use*
- 3.5.1. From June to August 2016, the more important habitats utilized by Chinese White Dolphins were located to the west of Sha Chau at the western territorial boundary, as well as to the northeast of Lung Kwu Chau (Figures 4a and 4b). One grid located to the west of Shum Wat overlapped with the HKLR09 alignment also recorded moderate density of dolphins. On the contrary, 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 (Figure 4b).
- 3.5.2. It should be emphasized though 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 will be collected throughout the impact phase monitoring programme.

3.5.3. 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).

3.5.4. The density patterns were also very different in NWL between the baseline and impact phase monitoring periods, with higher 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, the only areas with moderate to high dolphin densities were restricted to the waters near Sha Chau and Lung Kwu Chau during the present impact phase period (Figure 5).

3.6. *Mother-calf pairs*

3.6.1. During the present quarterly period, neither unspotted calf nor unspotted juvenile was sighted with any female in the North Lantau region.

3.6.2. The absence of young calves in the past three consecutive quarters was in stark contrast to their regular occurrence in North Lantau waters during the baseline period. This should be of a serious concern, and the occurrence of young calves in North Lantau waters should be closely monitored in the upcoming quarters.

3.7. *Activities and associations with fishing boats*

3.7.1. Only one of the ten dolphin groups were engaged in socializing activity, while none of them was engaged in feeding, traveling or milling/resting activity during the three-month study period.

3.7.2. The percentage of sightings associated with socializing activities (10.0%) was higher than the one recorded during the baseline period (5.4%). However, it should be noted the sample size on total numbers of dolphin sightings during the present quarter (ten dolphin groups) was much lower than the baseline period (66 dolphin groups).

- 3.7.3. Distribution of dolphins engaged in various activities during the present impact phase period and the baseline period is shown in Figure 6. The only dolphin group engaged in socializing activity was sighted to the west of Shum Wat near the HKLR09 alignment during the present quarterly period, which was very different from the baseline period when various dolphin activities occurred throughout the North Lantau region (Figure 6).
- 3.7.4. As consistently recorded in the past monitoring quarters, none of the ten dolphin groups was found to be associated with any operating fishing vessel in North Lantau waters during the present impact phase period.
- 3.8. *Summary of photo-identification works*
- 3.8.1. From June to August 2016, over 1,200 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the photo-identification work.
- 3.8.2. In total, 15 individuals sighted 15 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.
- 3.8.3. Notably, three of these 15 individuals (NL104, NL136 and NL302) were also sighted in West Lantau waters during the HKLR09 monitoring surveys from June to August 2016. Moreover, one individual (NL150) was sighted in both NWL and SWL survey areas during the same quarter, showing extensive individual movement between different survey areas.
- 3.9. *Individual range use*
- 3.9.1. Ranging patterns of the 15 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, four individuals (NL104, NL136, NL150 and NL302) consistently utilized both North Lantau waters in the past have extended their range use to WL and SWL waters during the present quarter. 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, as such shift

could possibly be related to the HZMB-related construction works (see Hung 2015, 2016).

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 significantly reduced in NEL since 2012, and many individuals have shifted away 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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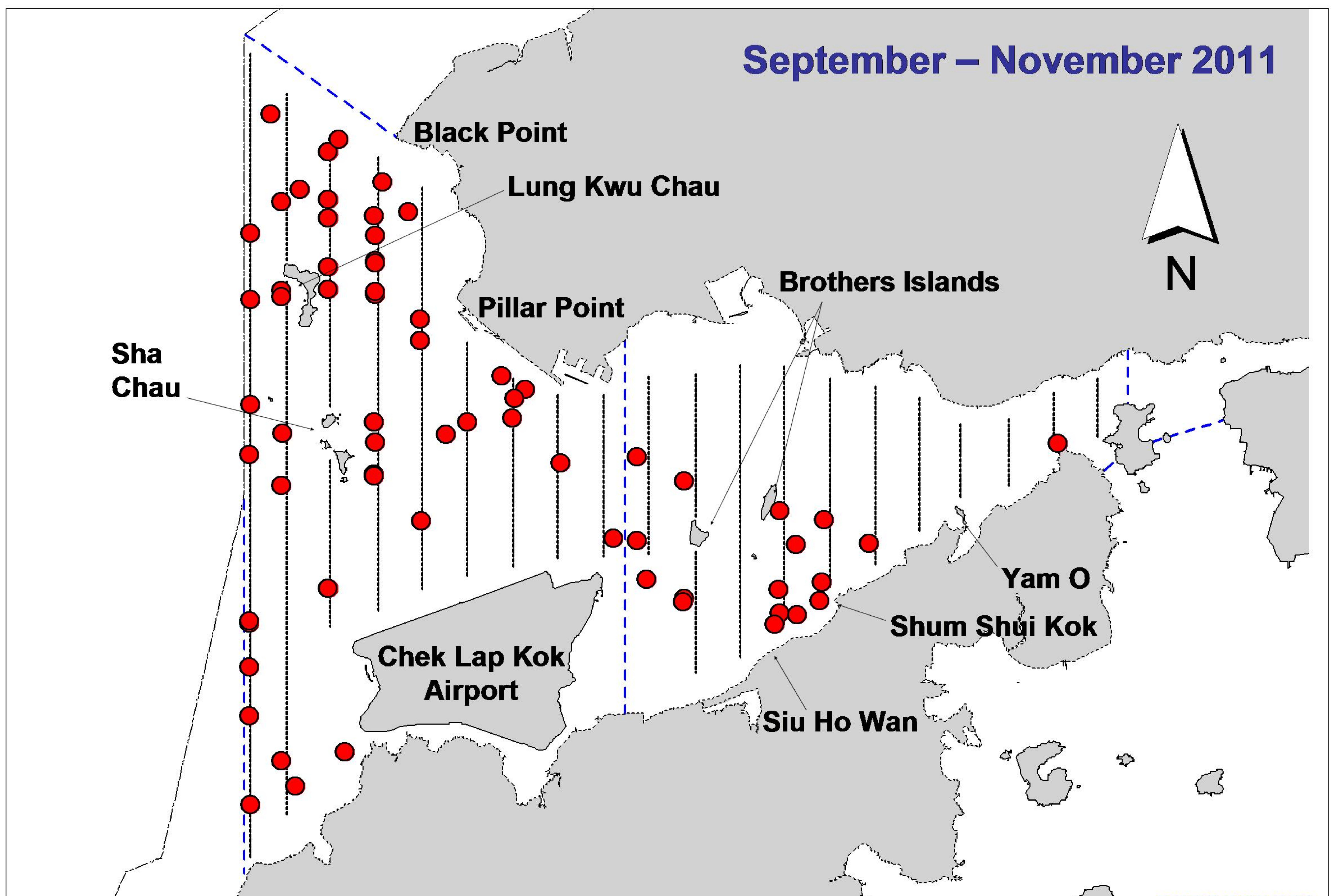
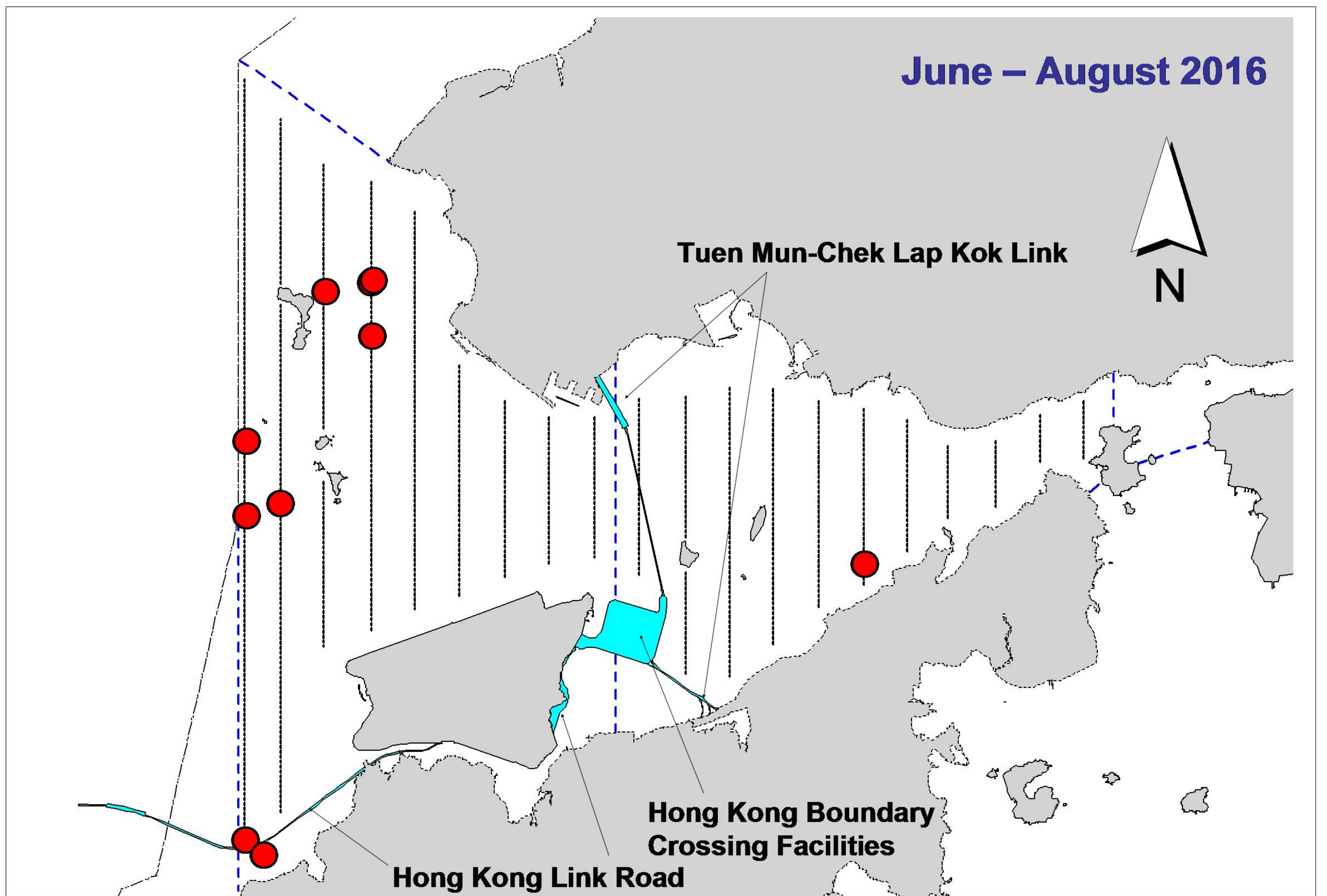


Figure 1. Distribution of Chinese white dolphin sighting in Northwest and Northeast Lantau during HKLR03 impact phase (top) and baseline monitoring surveys (bottom)

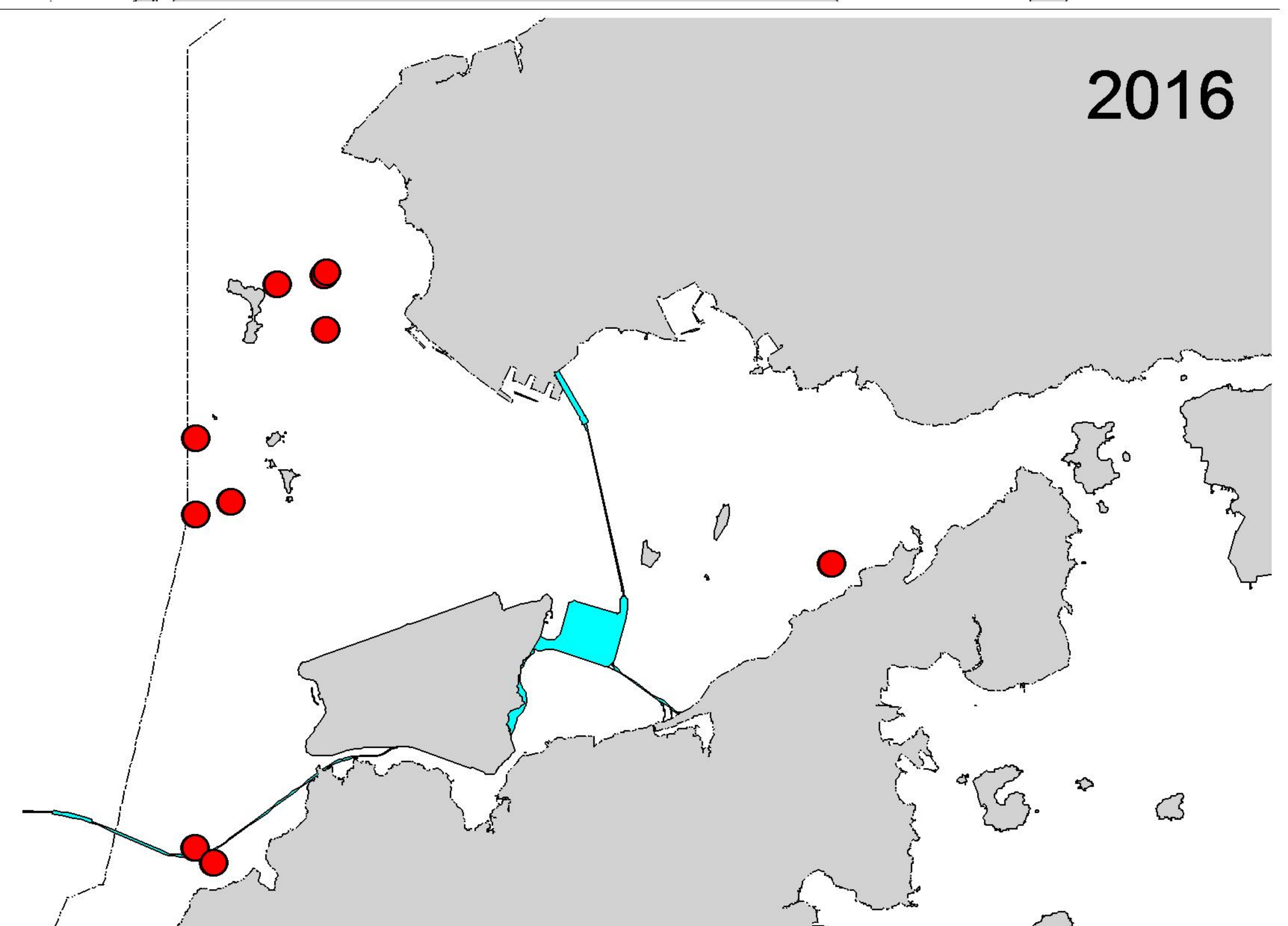
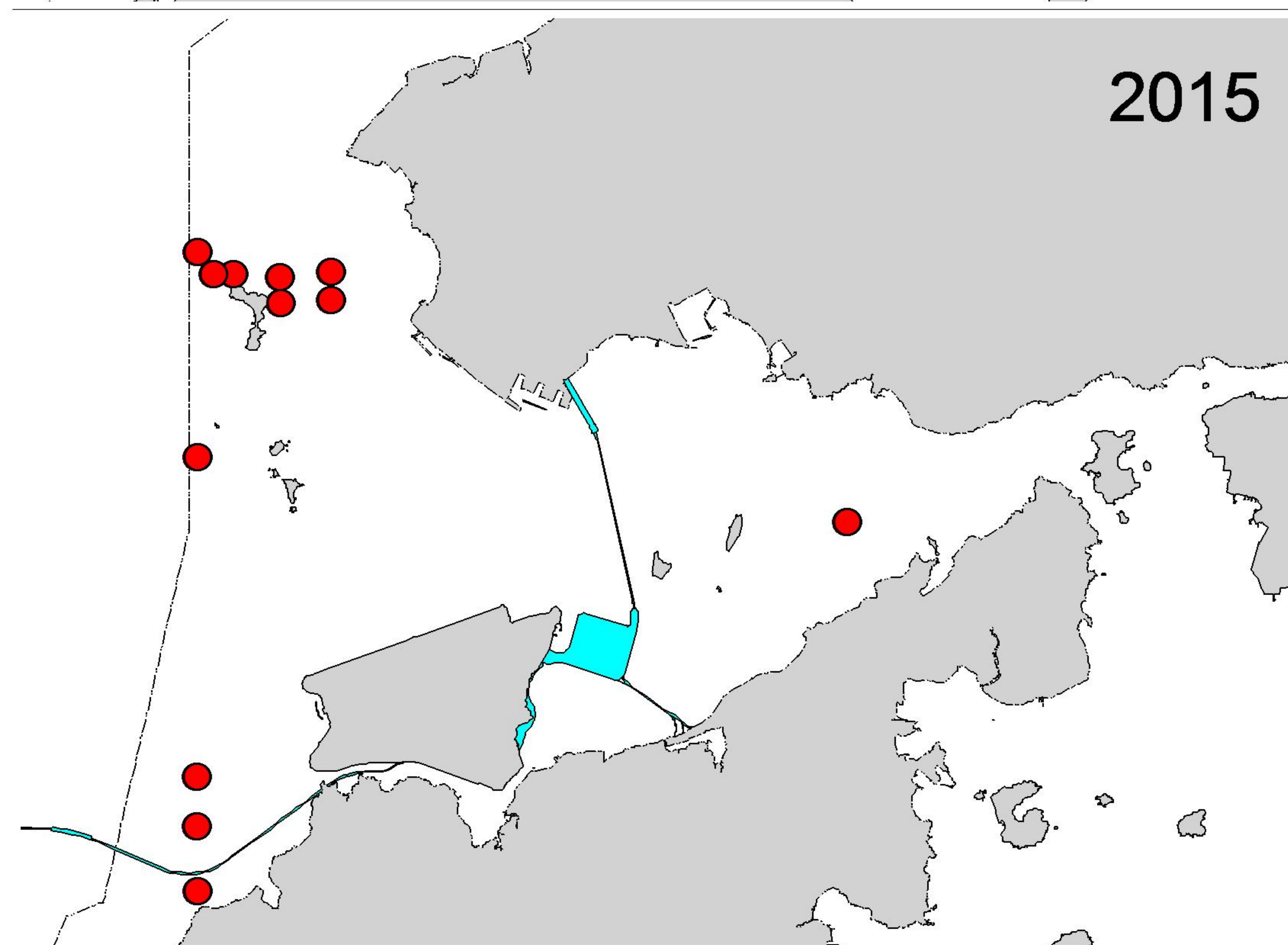
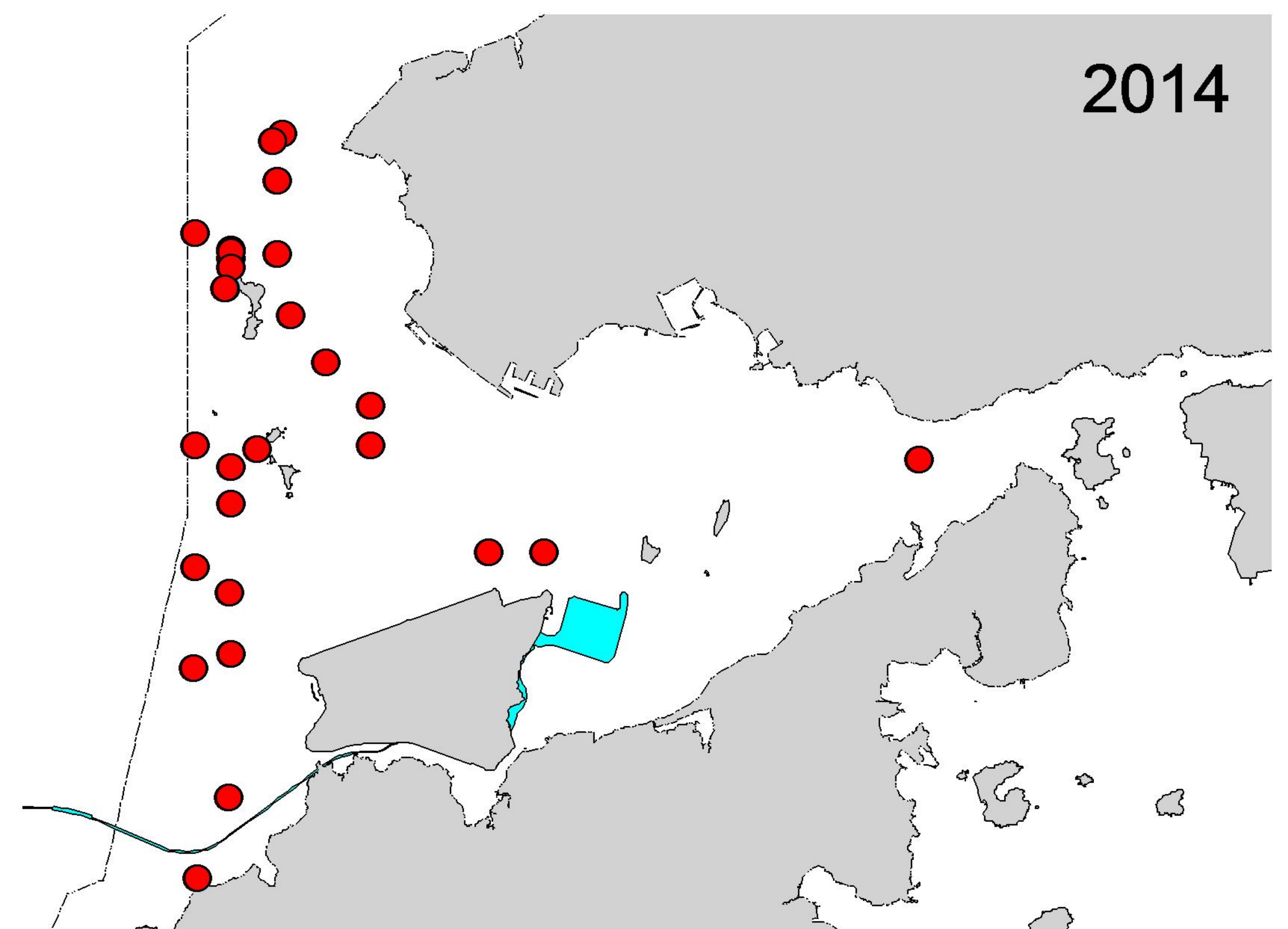
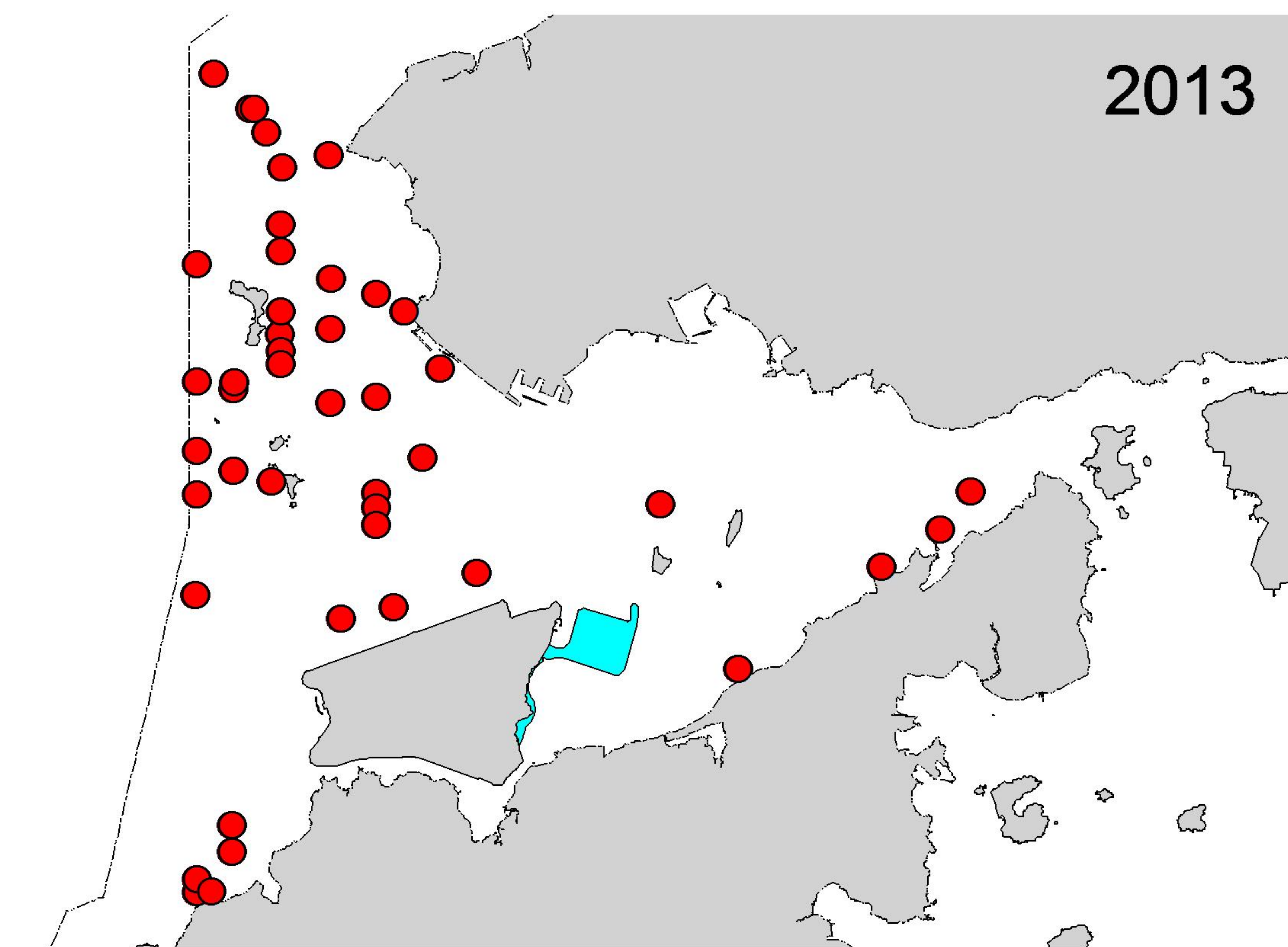


Figure 2. Distribution of Chinese white dolphin sightings in Northwest and Northeast Lantau during the same summer quarters (June-August) of HKLR03 impact phase in 2013-16

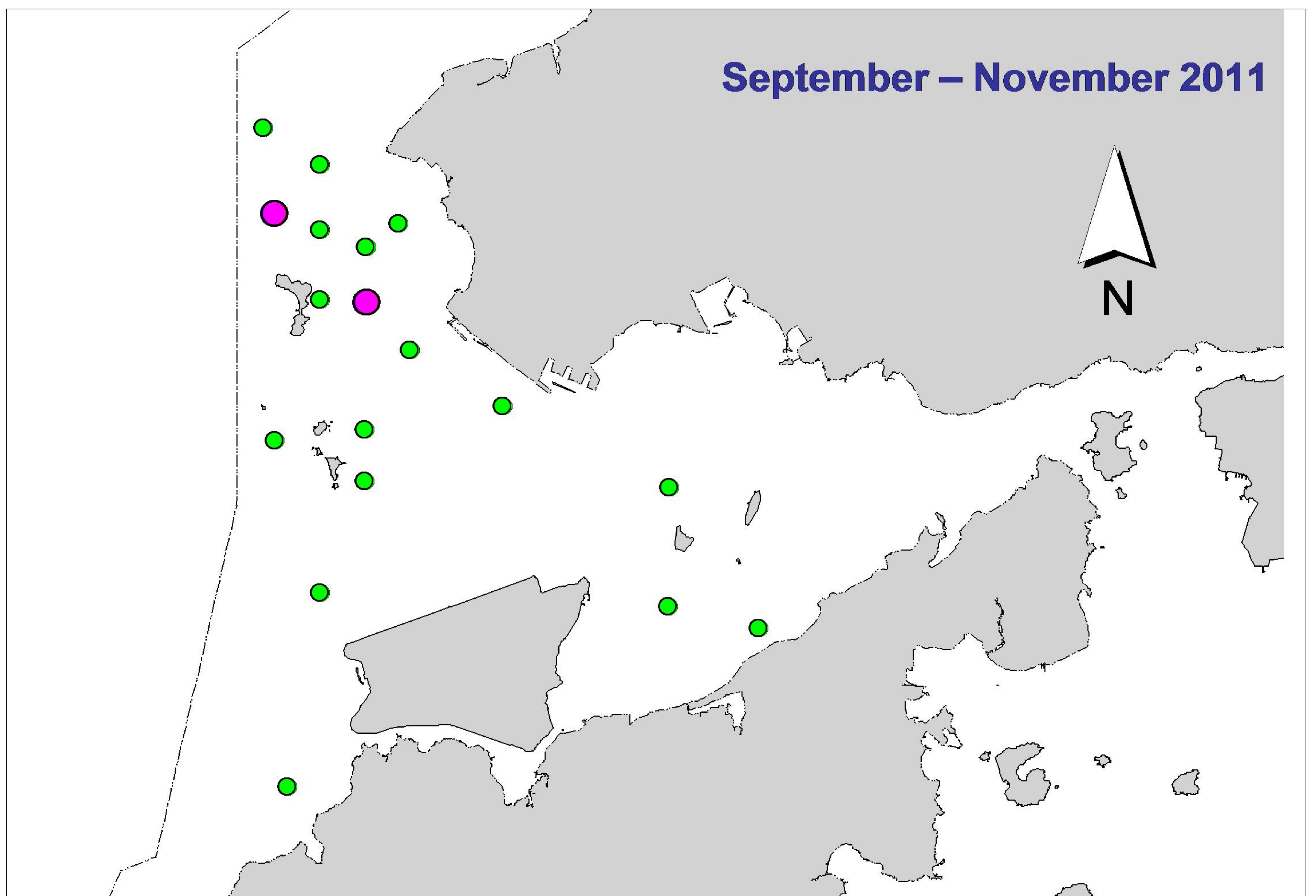
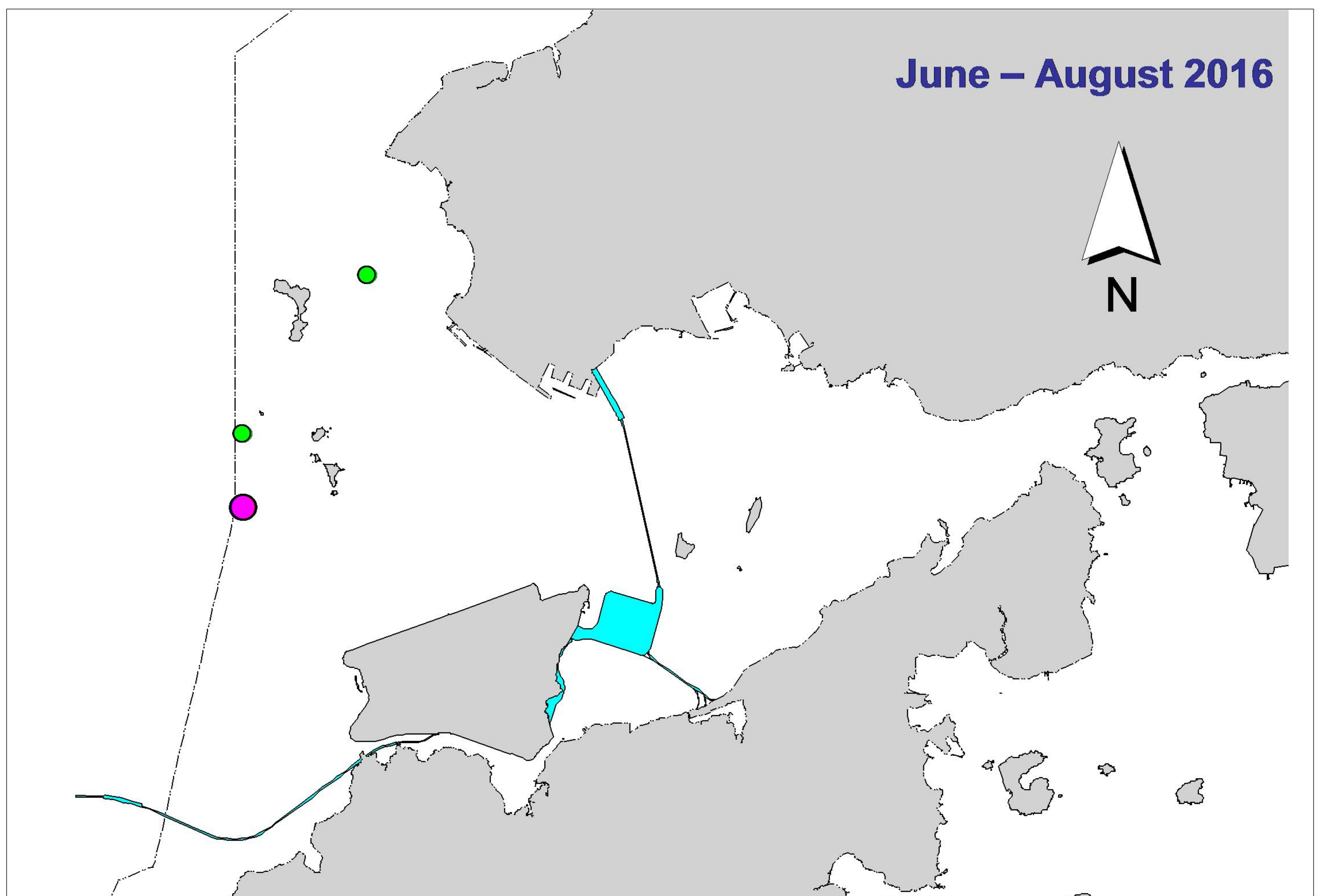


Figure 3. Distribution of Chinese white dolphins with larger group sizes during HKLR03 impact phase (top) and baseline monitoring surveys (bottom) (green dots: group sizes of 5 or more; purple dots: group sizes of 10 or more)

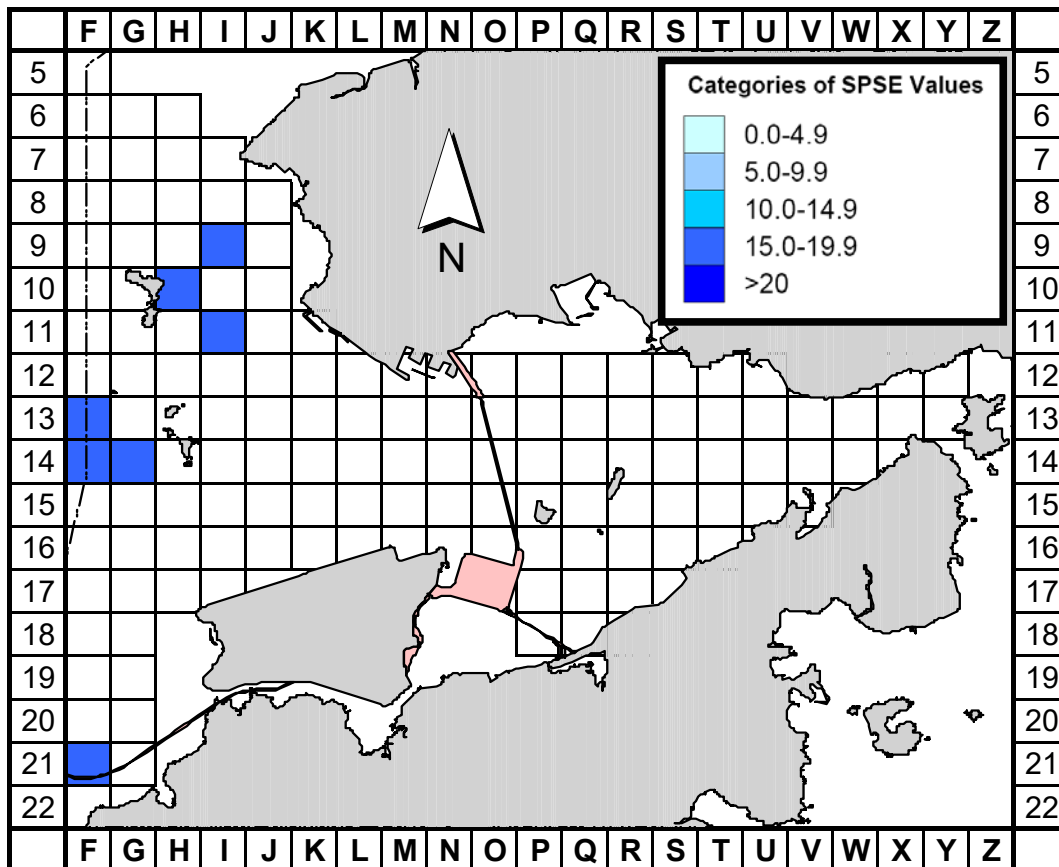


Figure 4a. Sighting density of Chinese white dolphins with corrected survey effort per km² in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period (June-August 2016) (SPSE = no. of on-effort sightings per 100 units of survey effort)

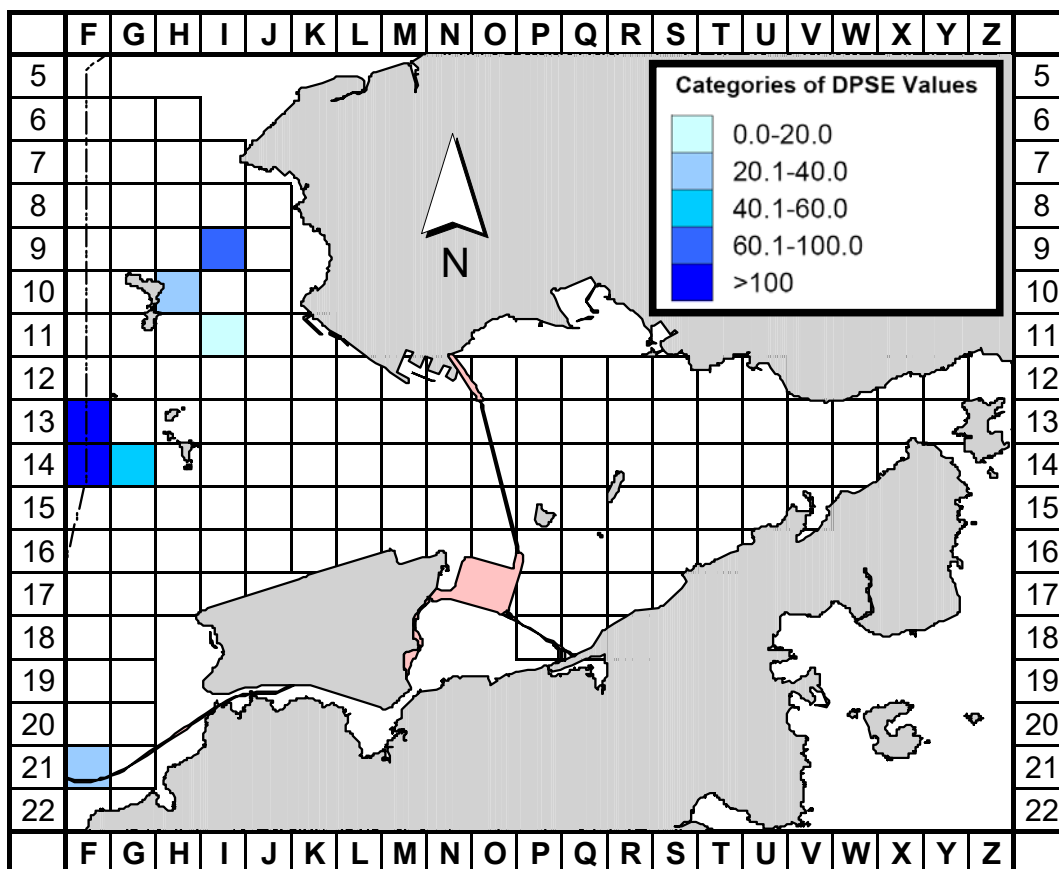


Figure 4b. Density of Chinese white dolphins with corrected survey effort per km² in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period (June-August 2016) (DPSE = no. of dolphins per 100 units of survey effort)

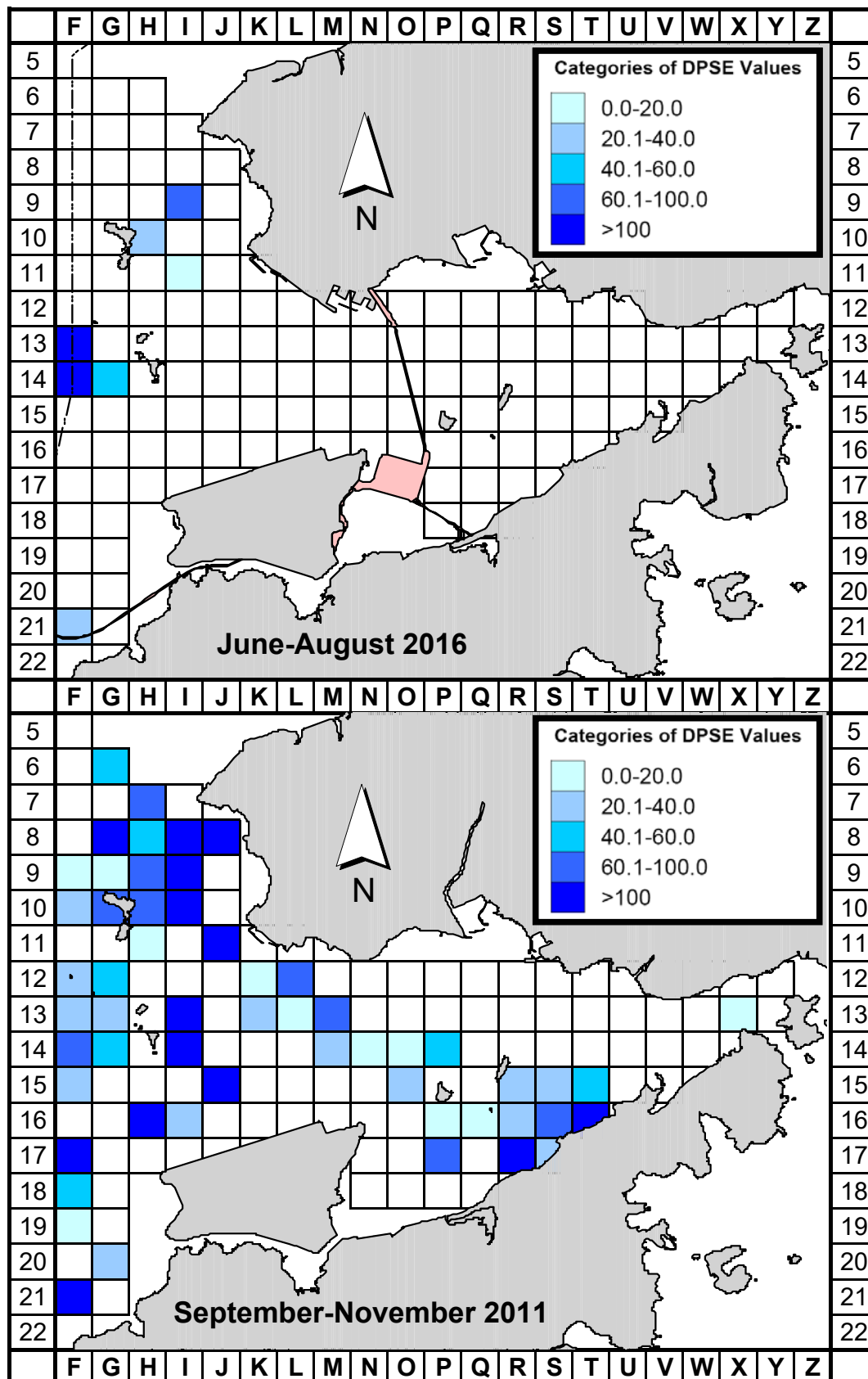


Figure 5. Comparison of density of Chinese white dolphins with corrected survey effort per km^2 in Northwest and Northeast Lantau survey area between the impact monitoring period (June-August 2016) and baseline monitoring period (September-November 2011) (DPSE = no. of dolphins per 100 units of survey effort)

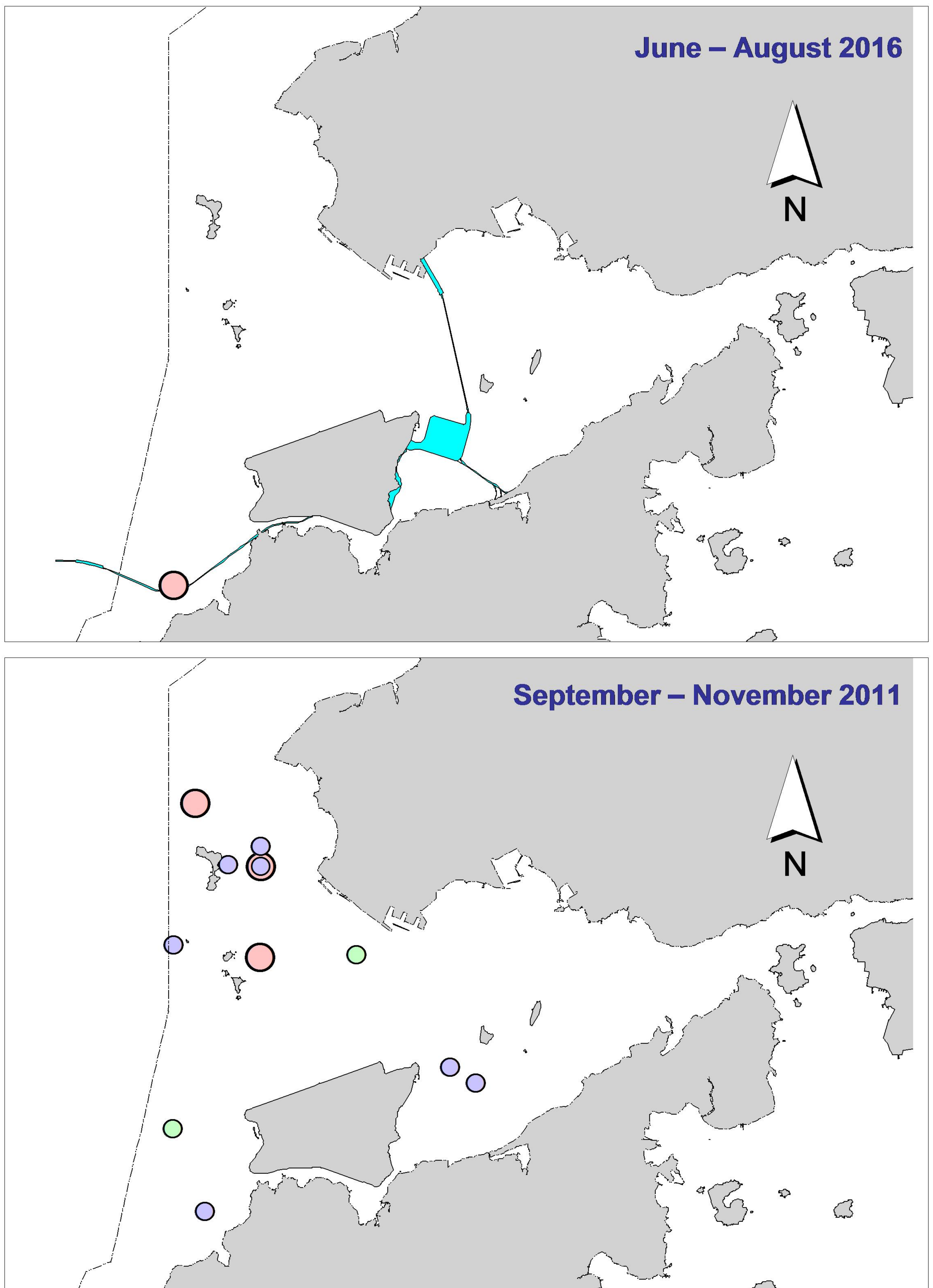


Figure 6. Distribution of Chinese white dolphins engaged in feeding (purple dots), socializing (pink dots) and traveling (green dots) activities during HKLR03 impact phase (top) and baseline monitoring surveys (bottom)

Annex I. HKLR03 Survey Effort Database (June-August 2016)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
1-Jun-16	NW LANTAU	3	5.57	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NW LANTAU	4	24.03	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NW LANTAU	5	1.80	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NW LANTAU	3	2.80	SUMMER	STANDARD31516	HKLR	S
1-Jun-16	NW LANTAU	4	5.30	SUMMER	STANDARD31516	HKLR	S
1-Jun-16	NE LANTAU	2	6.91	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NE LANTAU	3	12.82	SUMMER	STANDARD31516	HKLR	P
1-Jun-16	NE LANTAU	2	8.05	SUMMER	STANDARD31516	HKLR	S
1-Jun-16	NE LANTAU	3	2.52	SUMMER	STANDARD31516	HKLR	S
6-Jun-16	NW LANTAU	1	4.44	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NW LANTAU	2	30.16	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NW LANTAU	3	5.59	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NW LANTAU	2	13.61	SUMMER	STANDARD31516	HKLR	S
6-Jun-16	NE LANTAU	2	15.55	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NE LANTAU	3	0.80	SUMMER	STANDARD31516	HKLR	P
6-Jun-16	NE LANTAU	2	10.94	SUMMER	STANDARD31516	HKLR	S
13-Jun-16	NW LANTAU	3	28.50	SUMMER	STANDARD31516	HKLR	P
13-Jun-16	NW LANTAU	4	5.40	SUMMER	STANDARD31516	HKLR	P
13-Jun-16	NW LANTAU	3	4.90	SUMMER	STANDARD31516	HKLR	S
13-Jun-16	NW LANTAU	4	4.90	SUMMER	STANDARD31516	HKLR	S
13-Jun-16	NE LANTAU	2	14.58	SUMMER	STANDARD31516	HKLR	P
13-Jun-16	NE LANTAU	3	5.31	SUMMER	STANDARD31516	HKLR	P
13-Jun-16	NE LANTAU	2	6.03	SUMMER	STANDARD31516	HKLR	S
13-Jun-16	NE LANTAU	3	5.18	SUMMER	STANDARD31516	HKLR	S
17-Jun-16	NW LANTAU	2	20.32	SUMMER	STANDARD31516	HKLR	P
17-Jun-16	NW LANTAU	3	18.28	SUMMER	STANDARD31516	HKLR	P
17-Jun-16	NW LANTAU	2	3.00	SUMMER	STANDARD31516	HKLR	S
17-Jun-16	NW LANTAU	3	5.50	SUMMER	STANDARD31516	HKLR	S
17-Jun-16	NE LANTAU	2	11.80	SUMMER	STANDARD31516	HKLR	P
17-Jun-16	NE LANTAU	3	5.68	SUMMER	STANDARD31516	HKLR	P
17-Jun-16	NE LANTAU	2	3.32	SUMMER	STANDARD31516	HKLR	S
17-Jun-16	NE LANTAU	3	2.90	SUMMER	STANDARD31516	HKLR	S
5-Jul-16	NW LANTAU	2	4.50	SUMMER	STANDARD31516	HKLR	P
5-Jul-16	NW LANTAU	3	29.29	SUMMER	STANDARD31516	HKLR	P
5-Jul-16	NW LANTAU	4	6.90	SUMMER	STANDARD31516	HKLR	P
5-Jul-16	NW LANTAU	2	2.10	SUMMER	STANDARD31516	HKLR	S
5-Jul-16	NW LANTAU	3	7.30	SUMMER	STANDARD31516	HKLR	S
5-Jul-16	NW LANTAU	4	3.70	SUMMER	STANDARD31516	HKLR	S
5-Jul-16	NE LANTAU	2	2.30	SUMMER	STANDARD31516	HKLR	P
5-Jul-16	NE LANTAU	3	13.62	SUMMER	STANDARD31516	HKLR	P
5-Jul-16	NE LANTAU	4	0.81	SUMMER	STANDARD31516	HKLR	P
5-Jul-16	NE LANTAU	2	4.30	SUMMER	STANDARD31516	HKLR	S
5-Jul-16	NE LANTAU	3	5.77	SUMMER	STANDARD31516	HKLR	S
12-Jul-16	NW LANTAU	1	4.04	SUMMER	STANDARD31516	HKLR	P
12-Jul-16	NW LANTAU	2	27.40	SUMMER	STANDARD31516	HKLR	P
12-Jul-16	NW LANTAU	1	2.10	SUMMER	STANDARD31516	HKLR	S
12-Jul-16	NW LANTAU	2	6.27	SUMMER	STANDARD31516	HKLR	S
12-Jul-16	NE LANTAU	2	19.99	SUMMER	STANDARD31516	HKLR	P
12-Jul-16	NE LANTAU	2	11.81	SUMMER	STANDARD31516	HKLR	S
18-Jul-16	NW LANTAU	2	4.34	SUMMER	STANDARD31516	HKLR	P
18-Jul-16	NW LANTAU	3	29.06	SUMMER	STANDARD31516	HKLR	P

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
18-Jul-16	NW LANTAU	4	7.70	SUMMER	STANDARD31516	HKLR	P
18-Jul-16	NW LANTAU	2	2.00	SUMMER	STANDARD31516	HKLR	S
18-Jul-16	NW LANTAU	3	7.60	SUMMER	STANDARD31516	HKLR	S
18-Jul-16	NW LANTAU	4	3.00	SUMMER	STANDARD31516	HKLR	S
18-Jul-16	NE LANTAU	2	15.66	SUMMER	STANDARD31516	HKLR	P
18-Jul-16	NE LANTAU	3	1.06	SUMMER	STANDARD31516	HKLR	P
18-Jul-16	NE LANTAU	2	9.89	SUMMER	STANDARD31516	HKLR	S
27-Jul-16	NE LANTAU	2	18.79	SUMMER	STANDARD31516	HKLR	P
27-Jul-16	NE LANTAU	3	0.70	SUMMER	STANDARD31516	HKLR	P
27-Jul-16	NE LANTAU	2	10.91	SUMMER	STANDARD31516	HKLR	S
27-Jul-16	NW LANTAU	2	19.61	SUMMER	STANDARD31516	HKLR	P
27-Jul-16	NW LANTAU	3	11.30	SUMMER	STANDARD31516	HKLR	P
27-Jul-16	NW LANTAU	4	0.60	SUMMER	STANDARD31516	HKLR	P
27-Jul-16	NW LANTAU	2	6.89	SUMMER	STANDARD31516	HKLR	S
27-Jul-16	NW LANTAU	3	1.20	SUMMER	STANDARD31516	HKLR	S
5-Aug-16	NW LANTAU	1	0.88	SUMMER	STANDARD31516	HKLR	P
5-Aug-16	NW LANTAU	2	39.05	SUMMER	STANDARD31516	HKLR	P
5-Aug-16	NW LANTAU	2	11.73	SUMMER	STANDARD31516	HKLR	S
5-Aug-16	NW LANTAU	3	1.70	SUMMER	STANDARD31516	HKLR	S
5-Aug-16	NE LANTAU	2	16.76	SUMMER	STANDARD31516	HKLR	P
5-Aug-16	NE LANTAU	2	9.74	SUMMER	STANDARD31516	HKLR	S
9-Aug-16	NW LANTAU	1	23.75	SUMMER	STANDARD36826	HKLR	P
9-Aug-16	NW LANTAU	2	7.05	SUMMER	STANDARD36826	HKLR	P
9-Aug-16	NW LANTAU	1	6.40	SUMMER	STANDARD36826	HKLR	S
9-Aug-16	NW LANTAU	2	1.70	SUMMER	STANDARD36826	HKLR	S
9-Aug-16	NE LANTAU	1	1.61	SUMMER	STANDARD36826	HKLR	P
9-Aug-16	NE LANTAU	2	9.89	SUMMER	STANDARD36826	HKLR	P
9-Aug-16	NE LANTAU	3	7.85	SUMMER	STANDARD36826	HKLR	P
9-Aug-16	NE LANTAU	2	8.65	SUMMER	STANDARD36826	HKLR	S
9-Aug-16	NE LANTAU	3	2.10	SUMMER	STANDARD36826	HKLR	S
17-Aug-16	NE LANTAU	2	13.69	SUMMER	STANDARD36826	HKLR	P
17-Aug-16	NE LANTAU	3	6.29	SUMMER	STANDARD36826	HKLR	P
17-Aug-16	NE LANTAU	2	10.92	SUMMER	STANDARD36826	HKLR	S
17-Aug-16	NW LANTAU	2	23.13	SUMMER	STANDARD36826	HKLR	P
17-Aug-16	NW LANTAU	3	4.78	SUMMER	STANDARD36826	HKLR	P
17-Aug-16	NW LANTAU	4	2.58	SUMMER	STANDARD36826	HKLR	P
17-Aug-16	NW LANTAU	2	5.31	SUMMER	STANDARD36826	HKLR	S
17-Aug-16	NW LANTAU	3	2.44	SUMMER	STANDARD36826	HKLR	S
17-Aug-16	NW LANTAU	4	0.56	SUMMER	STANDARD36826	HKLR	S
23-Aug-16	NW LANTAU	1	0.94	SUMMER	STANDARD31516	HKLR	P
23-Aug-16	NW LANTAU	2	38.76	SUMMER	STANDARD31516	HKLR	P
23-Aug-16	NW LANTAU	2	13.50	SUMMER	STANDARD31516	HKLR	S
23-Aug-16	NE LANTAU	1	1.00	SUMMER	STANDARD31516	HKLR	P
23-Aug-16	NE LANTAU	2	15.48	SUMMER	STANDARD31516	HKLR	P
23-Aug-16	NE LANTAU	2	9.82	SUMMER	STANDARD31516	HKLR	S

Annex II. HKLR03 Chinese White Dolphin Sighting Database (June-August 2016)

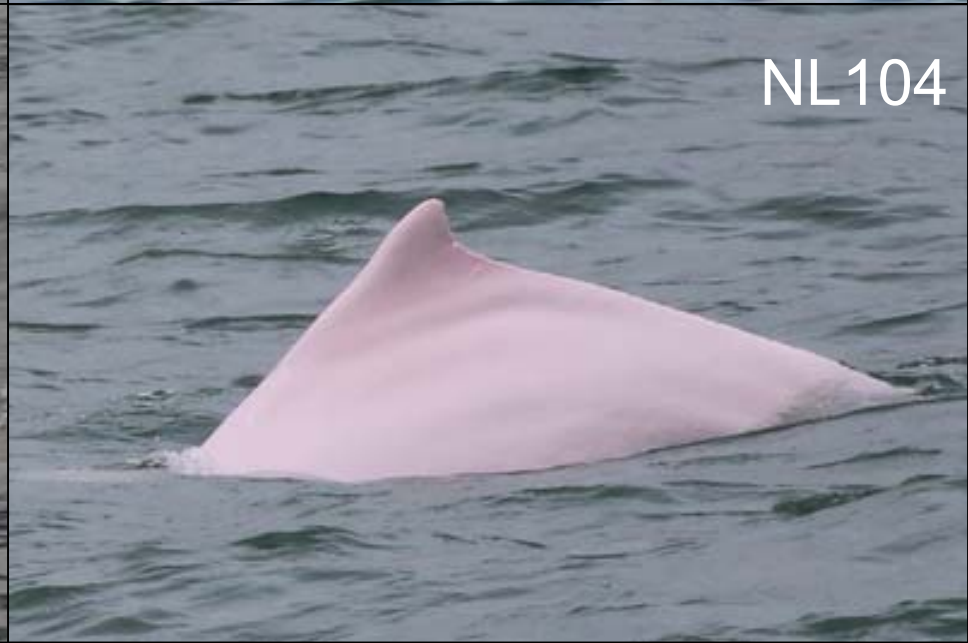
(Abberviations: STG# = Sighting Number; HRD SZ = Dolphin Herd Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance;
BOAT ASSOC. = Fishing Boat Association P/S: Sighting Made on Primary/Secondary Line\$)

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
6-Jun-16	1	1556	1	NE LANTAU	2	ND	OFF	HKLR	821150	818561	SUMMER	NONE	
5-Jul-16	1	1016	2	NW LANTAU	2	434	ON	HKLR	815337	804661	SUMMER	NONE	P
12-Jul-16	1	1335	1	NW LANTAU	2	531	ON	HKLR	825962	807516	SUMMER	NONE	P
12-Jul-16	2	1446	3	NW LANTAU	2	165	ON	HKLR	822433	805459	SUMMER	NONE	P
18-Jul-16	1	1014	1	NW LANTAU	3	ND	OFF	HKLR	815004	805073	SUMMER	NONE	
5-Aug-16	1	1049	11	NW LANTAU	2	95	ON	HKLR	822169	804686	SUMMER	NONE	P
5-Aug-16	2	1130	7	NW LANTAU	2	415	ON	HKLR	823742	804689	SUMMER	NONE	P
5-Aug-16	3	1228	2	NW LANTAU	2	119	ON	HKLR	826905	806457	SUMMER	NONE	P
17-Aug-16	1	1353	5	NW LANTAU	2	107	ON	HKLR	827091	807487	SUMMER	NONE	P
17-Aug-16	2	1422	1	NW LANTAU	2	ND	OFF	HKLR	827147	807528	SUMMER	NONE	

Annex III. Individual dolphins identified during HKLR03 monitoring surveys in June-August 2016

ID#	DATE	STG#	AREA
CH34	12/07/16	2	NW LANTAU
CH65	05/08/16	1	NW LANTAU
NL48	12/07/16	1	NW LANTAU
NL104	17/08/16	1	NW LANTAU
NL136	12/07/16	2	NW LANTAU
NL150	17/08/16	1	NW LANTAU
NL182	12/07/16	2	NW LANTAU
NL202	05/08/16	3	NW LANTAU
NL255	05/08/16	1	NW LANTAU
NL280	17/08/16	1	NW LANTAU
NL281	05/08/16	1	NW LANTAU
NL286	05/08/16	3	NW LANTAU
NL293	18/07/16	1	NW LANTAU
NL302	05/07/16	1	NW LANTAU
NL307	05/07/16	1	NW LANTAU

Annex IV. Fifteen individual dolphins that were identified during June-August 2016 under HKLR03 impact phase monitoring surveys



Annex IV. (cont'd)

NL136



NL150



NL182



NL202



Annex IV. (cont'd)

NL255



NL280



NL281



NL286



Annex IV. (cont'd)

NL293



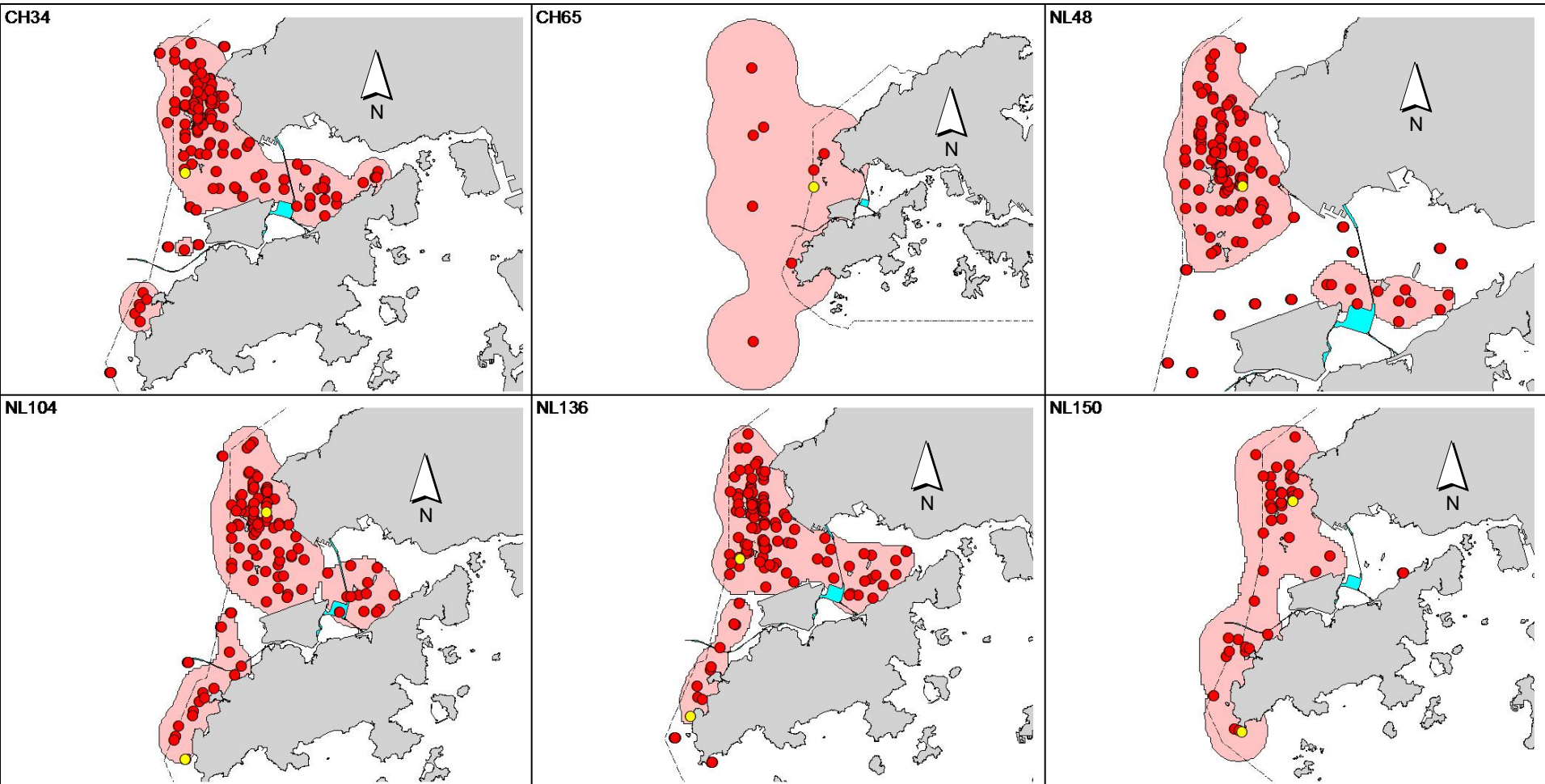
NL302



NL307

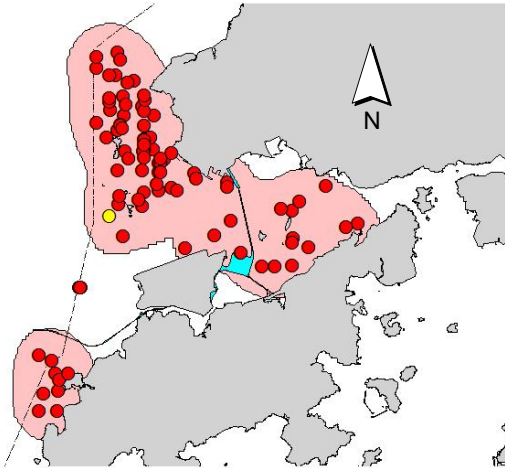


Annex V. Ranging patterns (95 % kernel ranges) of 15 individual dolphins that were sighted during HKLR03 impact phase monitoring period (note: yellow dots indicates sightings made in June-August 2016 during HZMB-related monitoring surveys)

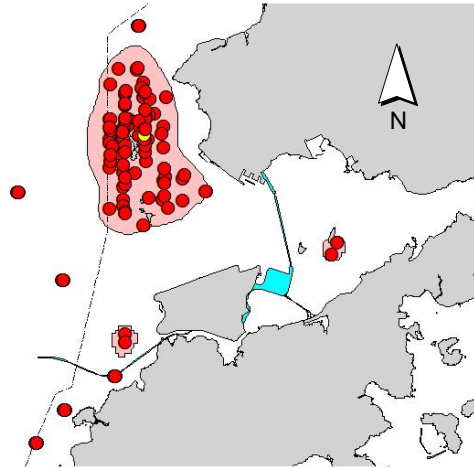


Annex V. (cont'd)

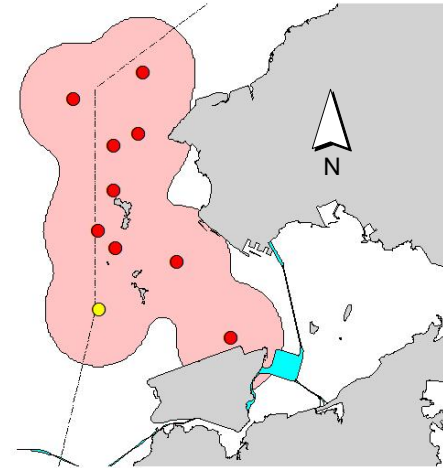
NL182



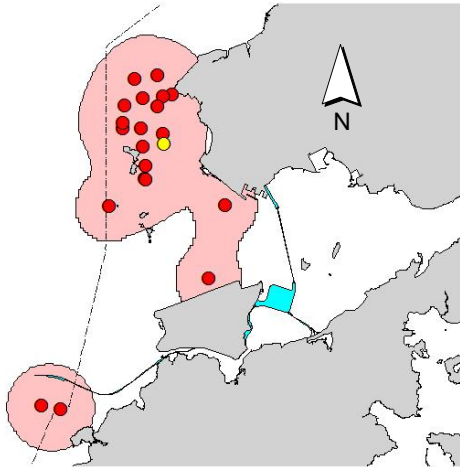
NL202



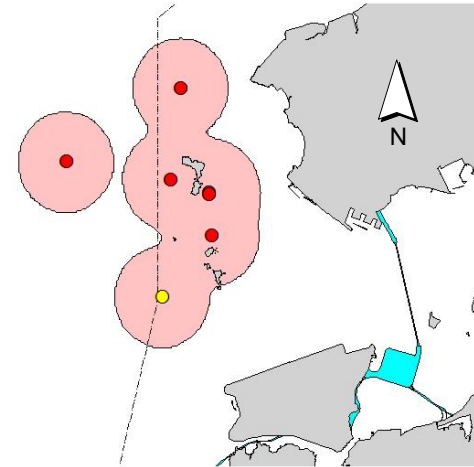
NL255



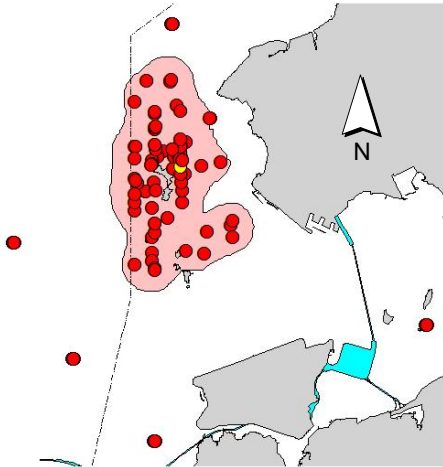
NL280



NL281

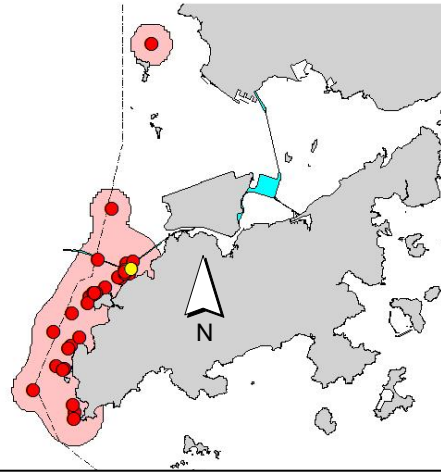


NL286

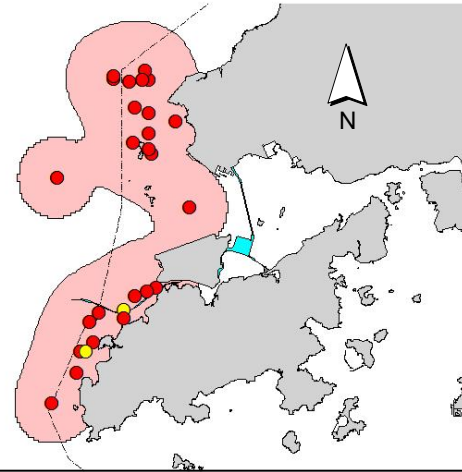


Annex V. (cont'd)

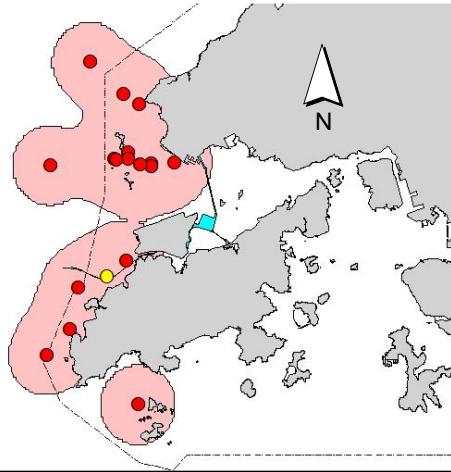
NL293



NL302



NL307





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 2016

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	39.443	0.000	6.108	33.336	0.000	0.000	5.203	0.500	0.000	0.000	0.475
Feb	21.122	0.000	2.808	18.314	0.000	0.000	11.764	0.400	0.000	0.000	0.475
Mar	30.254	0.000	1.752	28.374	0.128	0.000	4.956	0.250	0.000	0.000	0.468
Apr	61.096	0.000	2.488	58.440	0.168	0.000	9.168	0.000	0.000	0.800	0.618
May	49.255	0.000	3.448	45.447	0.360	0.000	9.238	0.000	0.000	0.000	0.429
Jun	36.997	0.000	3.184	33.357	0.456	0.000	3.577	0.000	0.000	0.000	0.436
Sub-total	238.167	0.000	19.788	217.267	1.112	0.000	43.906	1.150	0.000	0.800	2.899
Jul	31.205	0.000	3.616	27.397	0.192	0.000	3.264	0.000	0.000	0.000	0.468
Aug	38.615	0.000	3.848	34.199	0.568	0.000	4.832	0.000	0.000	0.510	0.390
Sep											
Oct											
Nov											
Dec											
Sub- total	69.819	0.000	7.464	61.595	0.760	0.000	8.096	0.000	0.000	0.510	0.858
Total	307.986	0.000	27.252	278.863	1.872	0.000	52.002	1.150	0.000	1.310	3.757

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 50,000m³.
(5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for recycling.
(6) Conversion factors for reporting purpose:
excavated (bulk): rock = 2.0 tonnes/m³; soil = 1.8 tonnes/m³; sand=1.9 tonnes/m³ Metal=7.85 tonnes/m³
(7) Numbers are rounded off to the nearest three decimal places
(8) 30T dump truck carries C&D waste of 8.0m³; 24T dump truck carries C&D waste of 6.5m³



APPENDIX 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



Dumping at Sea Ordinance

Item No.	Date Application Submitted	Works Area Applied	Description	Status	Permit No.	Validity of Permit	
						From	To
1.	23.05.2016	HAT Tunnel	Cat. L Dredged / Excavated Sediment Requiring Type 1 – Open Sea Disposal Local Disposal	Permit issued on 14.06.2016	EP/MD/17-034	15.06.2016	30.09.2016
2.	08.06.2016	SHT Tunnel	Cat. L Dredged / Excavated Sediment Requiring Type 1 – Open Sea Disposal Local Disposal	Permit issued on 24.06.2016	EP/MD/17-048	28.06.2016	31.10.2016
3.	07.07.2016	SHT & HAT Tunnel	Cat. L Dredged / Excavated Sediment Requiring Type 1 – Open Sea Disposal Cross-boundary Disposal	Permit issued on 01.08.2016	EP/MD/17-065	03.08.2016	02.09.2016
4.	09.08.2016	SHT & HAT Tunnel	Cat. L Dredged / Excavated Sediment Requiring Type 1 – Open Sea Disposal Cross-boundary Disposal	Permit issued on 24.08.2016	EP/MD/17-081	03.09.2016	02.10.2016
5.	08.07.2016	HAT Tunnel	Cat. H Dredged / Excavated Sediment Requiring Type 2 – Confined Marine Disposal Local Disposal	Permit issued on 02.08.2016	EP/MD/17-068	03.08.2016	31.08.2016
6.	09.08.2016	HAT Tunnel	Cat. H Dredged / Excavated Sediment Requiring Type 2 – Confined Marine Disposal Local Disposal	Permit issued on 25.08.2016	EP/MD/17-082	01.09.2016	30.09.2016



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	04.07.2012	Site Office for China States (WA6)	Application Ref. No. 346982 Water Discharge License WT00014182-2012 was granted on 20 Sep 2012	Valid until 30/09/2017
3.	31.07.2012	Portion B, Portion X & Portion Y	Application Ref. No. 348019 Water Discharge License WT00014118-2012 was granted on 20 Sep 2012	Valid until 30/09/2017.
4.	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
5.	15.01.2013	WA 4	Application Ref No. 356240 Water Discharge License Ref. WT00016158-2013 was granted on 30 Jul 2013	Valid until 31/07/2018
6	02.04.2013	Airport Road (Southern)	Water discharge license Ref. WT00015866-2013 was granted on 29 Apr 2013	Valid until 30/04/2018
7	26.10.2015	Airport Road (Northern)	Water discharge license Ref. WT00023165-2015 was granted on 21 Dec 2015	Valid until 30/04/2018



Construction Noise Permit

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
1.	11.07.2016	SHT&HAT	Percussive Piling	CNP issued on 28.07.2016	PP-RS0018-16	29.07.2016 0700	21.01.2017 1900
2.	20.06.2016	Reclamation Area	Marine Works	CNP issued on 04.07.2016	GW-RS0680-16	06.07.2016 1900	05.01.2017 2400
3.	29.01.2016	Airport Road	Road Works	CNP issued on 12.02.2016	GW-RS0132-16 (Superseded by GW-RS0862-16)	17.02.2016 1900	16.08.2016 2300
4.	01.08.2016	Airport Road	Road Works	CNP issued on 15.08.2016	GW-RS0862-16	17.08.2016 1900	16.02.2017 2300
5.	15.02.2016	Shaft 4	Tunnel Works	CNP issued on 29.02.2016	GW-RS0174-16	14.03.2016 1900	13.09.2016 2400
6.	11.03.2016	WA4	Loading/Unloading of stockpiles	CNP issued on 22.03.2016	GW-RW0163-16	30.03.2016 0000	29.09.2016 2400
7.	29.02.2016	WA3	Stockpiling/wastewater treatment	CNP issued on 14.03.2016	GW-RS0226-16	28.03.2016 0000	27.09.2016 2400
8.	18.04.2016	West Portal	Tunnel / Building Works	CNP issued on 29.04.2016	GW-RS0412-16	09.05.2015 0000	08.11.2016 2400



Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
9.	28.04.2016	A1 Bridge	Bridge Construction	CNP issued on 12.05.2016	GW-RS0466-16	12.05.2015 1900	11.11.2016 2300
10.	04.05.2016	Shaft 1-3	Tunnel works	CNP issued on 13.05.2016	GW-RS0554-16	03.06.2016 1900	02.12.2016 2400
11.	30.06.2016	Shaft 2-3	Box-Jacking	CNP issued on 14.07.2016	GW-RS0740-16	19.07.2016 0000	18.01.2017 0500
12.	14.07.2016	Airport Road	Road Maintenance Works (Special Case)	CNP issued on 28.07.2016	GW-RS0795-16	31.07.2016 1900	30.09.2016 0700



APPENDIX M

Record of “Notification of Environmental Quality Limit Exceedances



**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.: 227 ver2

Date of Notification: 15 July 2016

Works Inspected: 1-hr TSP monitoring was undertaken on 14 July 2016

Monitoring Location: AMS5 – Ma Wan Chung Village

Parameter: 1-hour TSP monitoring

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

<u>PARAMETER</u>	<u>STATION</u>	<u>AL (µg/m³)</u>	<u>LL (µg/m³)</u>	<u>MEASURED LEVEL, µg/m³</u>
1-hr TSP (14:20 – 15:20 hours)	Ma Wan Chung Village (AMS5)	352	500	106
1-hr TSP (15:20 – 16:20 hours)	Ma Wan Chung Village (AMS5)	352	500	105
1-hr TSP (16:20 – 17:20 hours)	Ma Wan Chung Village (AMS5)	352	500	<i><u>421</u></i>

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

Possible reason for Action or Limit Level Non-compliance:

An Action Level exceedance of 1-hr TSP level was recorded at AMS5 (Ma Wan Chung Village) for 14 July 2016, 16:20 – 17:20 hours.

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

Zone 1

- Removal of Surcharge
- Box Culvert Construction
- Piling Works

Zone 2

- Box Culvert Construction
- Removal of Surcharge

Zone 3A & 3B & 3C

- Transportation of fill material
- Piling Works

During the TSP monitoring period from 16:20 to 17:20 hours on 14 July 2016, it was observed that there was agricultural burning of materials grown at Ma Wan Chung Village by others next to AMS5 (about 5m away). It was noted that the agricultural burning of materials at Ma Wan Chung Village (where it was located completely outside works area of Contract no. HY/2011/03) was not conducted by the Contractor of Contract No. HY/2011/03.

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. During the regular weekly site inspection on 13 July 2016, dust control measures such as water spraying for fill materials and haul roads were observed. No fugitive dust emission was observed by ET at the construction site near AMS5.

Agricultural burning at Ma Wan Chung Village was not observed during the 1-hr TSP monitoring period from 14:20 – 15:20 hours and 15:20 – 16:20 hours on 14 July 2016 and the measured level of 1-hr TSP during the said periods was below Action and Limit Level. Also, no exceedances of 1-hr TSP were recorded on 19 July 2016 at AMS5. Therefore, it is considered that the 1-hr TSP level exceedance on 14 July 2016 was not related to the construction activities of the Contract and was caused by agricultural burning at Ma Wan Chung Village.

Actions taken/ to be taken:

As the 1-hr TSP level exceedance at AMS5 was not related to the Contract, no immediate actions are considered necessary. However, the Contractor is reminded to continuously implement the dust control measures throughout the construction phase.

Reviewed by : Claudine Lee

Title : ET Leader



Date : 9 August 2016

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

Date of Notification: 13 September 2016

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 June 2016 – August 2016
	Action Level (AL)	Limit Level (LL)	
Northeast Lantau (NEL)	STG < 4.2 & ANI < 15.4	NEL: (STG < 2.4 & ANI < 8.9) and	<u>STG = 0; ANI = 0</u>
Northwest Lantau (NWL)	STG < 6.9 & ANI < 31.3	NWL: (STG < 3.9 & ANI < 17.9)	<u>STG = 1.72; ANI = 7.48</u>

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. ***Bold Italic with underline*** means LL exceedances

Possible reason for Limit Level Non-compliance:

There was one Limit Level exceedance of dolphin monitoring for the quarterly monitoring data (between June 2016 – August 2016). According to the contractor's information, the marine activities undertaken for HKLR03 during the quarter of June 2016 – August 2016 included removal of surcharge materials, temporary drainage diversion, ground investigation, box culvert diversion, construction of permanent sea wall and maintenance of silt curtain.

There is no evidence showing the current LL 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:

Inform the IEC, ENPO, ER/SOR and Contractor

The ETL informed IEC, ENPO, SOR and Contractor via email on 13 September 2016.

Repeat statistical data analysis to confirm findings and check monitoring data:

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 (fifteenth quarter of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.0031 and 0.0227 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 fifteen quarters of the impact phase being assessed), the p-values for the differences in average dolphin encounter rates of STG and ANI were 0.000009 and 0.000001 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 June to August 2016 has been reviewed by the dolphin specialist. During the same quarter, no dolphin was sighted from 78.80 km of survey effort on primary lines in NEL, while three groups of 19 dolphins were sighted from 123.40 km of survey effort on primary lines in NWL. This review has confirmed that the extremely low occurrence of dolphins reported by the HKLR03 monitoring surveys in summer 2016 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 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.

A meeting was held on 14 October 2016 with attendance of representative of ENPO, Resident Site Staff (RSS), Environmental Team (ET) and dolphin specialist for Contract Nos. HY/2010/02, HY/2011/03, HY/2012/07, HY/2012/08. The discussion/recommendation as recorded in the minutes of 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 apparently related to the re-routing of high speed ferry (HSF) from Sky pier.

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.

It was suggested that the protection measures (e.g., speed limit control) for the proposed Brothers Marine Park (BMP) shall be brought forward as soon as possible before its establishment so as to provide a better habitat for dolphin recovery. It was noted that under the Regular Marine Travel Route Plan, the contractors have committed to reduce the vessel speed in BMP. HyD updated that the draft map of the proposed 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 Plan.

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 : 29 November 2016

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



Hong Kong International Airport
香港國際機場

Chek Lap Kok Ferry Pier
赤鱗角碼頭

Zone 1
區域 1

Zone 2
區域 2

Zone 3A
區域 3A

Zone 3B
區域 3B

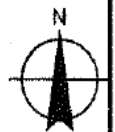
Zone 3C
區域 3C

Scenic Hill
觀景山

Tung Chung Pier
東涌碼頭

AMS5

Tung Chung New Town
東涌新市鎮



環境保護署

噪音管制監督

圖例 Legend

Environmental Protection Department Noise Control Authority



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

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 Statistic 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 level 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 than 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>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?</i>	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;	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 10:30 pm (19/11/12).	WA6	- Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and - Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays. Noise from power generators		
COM-2012-010(5)	24-Nov-2012	13:42 hrs. 13:49 hrs.	EPD (cc to HyD)	Environmental (Air quality and Noise)	The noise is coming for the following sources: - power generator - engines from the barges used for marine operation - noise from the cranes use of the construction barges. - engine from the boat used to transport staff in and out - boats blowing their horn late in the evening and at night Gas emissions: - power generators - marine operation The 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>I thought you have already sorted out that problem according to your multiple replies to my complaints since July???"</i>	WA6	- 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.		
	25-Nov-2012	22:02 hrs. 22:08 hrs.	EPD (cc to HyD)		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.	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	

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-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 source 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	14:19 hrs	HyD	Environmental (Noise)	The complainant complained that "the lifting appliance was operated gently and softly to keep the noise emission as low as possible" but the noise still woke up his baby. "Lubricant was regularly applied to smoothen all moving parts and gear wheels of the working barges" that did not seem to be the case at all.	Portion X	The Contractor will keep on closely monitoring the situation and carry out the necessary noise mitigation measures while barges are working in the site area nearby residential area.	Closed	-
	24-Mar-2013	10:28 hrs			The complainant pointed that the crane operating at 10:27 hrs on 24 March 2012 needed lubricant.				
COM-2013-018 (5)	31-Mar-2013	10:25 hrs	HyD	Environmental (Noise)	The complainant complained that noise emitted from a crane at 10:19 hrs. The complainant further complained that noise was generated from a barge at 07:30 hrs.	Portion Y	-	Closed	-
	1-Apr-2013	10:32 hrs							
COM-2013-018 (6), (7) & (9)	15-Apr-2013	15:41 hrs	EPD	Environmental (Noise)	The complainant complained that machinery noise generated from the construction site near Tung Chung Development Pier operating for the Hong Kong-Zhuhai-Macao Bridge Hong Kong during the normal working hours on 6 April 2013 and 13 April 2013 and the late evening of 10 April 2013 causing nuisance to public.	Portion X	The Contractor has been reminded to comply with CNP conditions for construction works undertaken during restricted hours. To minimize the potential noise impact during restricted hours and non-restricted hours, the Contractor has implemented the following additional measures: - Briefing given to the operator of the barges for proper operation of marine vessels; - Operating 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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Complaint Register

Complaint No.	Received Date	Received Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
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	-

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-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 Link Road 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 diary 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. repetitively 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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Complaint Register

Complaint No.	Received Date	Received Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
COM-2014-065	24-Dec-14	Nil	EPD	Environmental (Water Quality)	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	-



APPENDIX O

Mudflat Monitoring Results

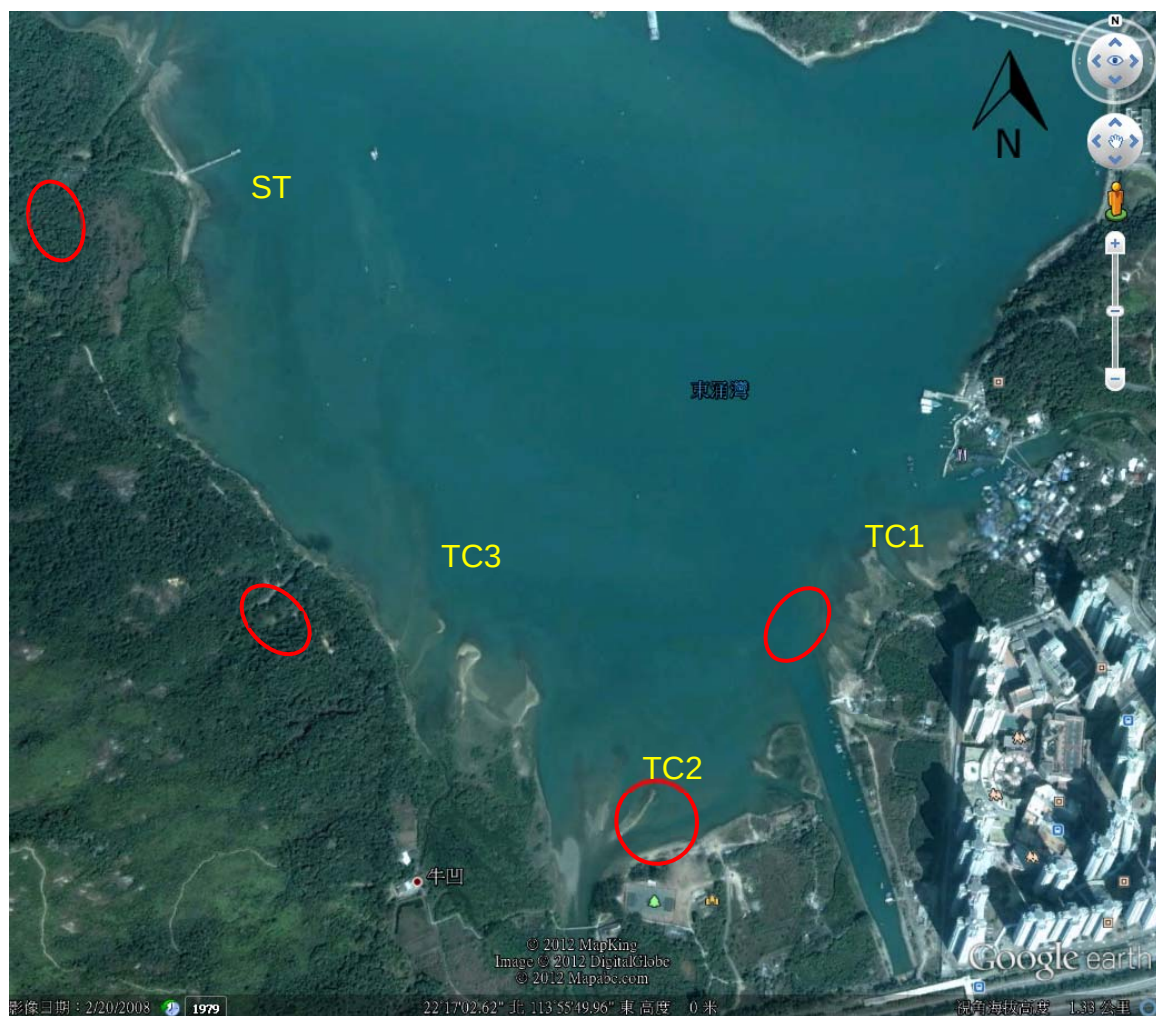


Figure 2.1. Locations of sampling zones. The study site was divided into three sampling zones (TC1, TC2, TC3) in Tung Chung Bay and one zone in San Tau (ST) (map generated from Google Map).

TC1



TC2



TC3



ST



Figure 2.2. *Photographic record of the environment in every sampling zone.*

TC1 *Carcinoscorpius rotundicauda*



TC1 *Tachypleus tridentatus*



TC2 *Carcinoscorpius rotundicauda*



Figure 3.1. Examples of photographic records of horseshoe crab (Jun. 2016)

TC3 *Carcinoscorpius rotundicauda*



TC3 *Tachypleus tridentatus*



Figure 3.1 (Cont'd). Examples of photographic records of horseshoe crab (Jun. 2016)

ST *Carcinoscorpius rotundicauda*



ST *Tachypleus tridentatus*



Figure 3.1 (Cont'd). Examples of photographic records of horseshoe crab (Jun. 2016)

Table 3.1. *Summary of horseshoe crab survey in every sampling zone*

	TC1	TC2	TC3 *	ST
Search duration (hr)	2	2	3	3
<i>Carcinoscorpius rotundicauda</i>				
no. of individuals	20	6	66	89
mean prosomal width (mm)	49.57	42.43	30.42	40.30
max. prosomal width (mm)	142.72	74.17	86.54	75.41
min. prosomal width (mm)	15.24	30.38	11.76	12.00
Search record (ind. hr ⁻¹ person ⁻¹)	5.0	1.5	11.0	14.8
<i>Tachypleus tridentatus</i>				
no. of individuals	2		18	27
mean prosomal width (mm)	44.74		45.16	60.28
max. prosomal width (mm)	53.71	N.A.	54.58	80.03
min. prosomal width (mm)	35.77		28.89	43.16
Search record (ind. hr ⁻¹ person ⁻¹)	0.5		3.0	4.5

* Three tiny juvenile horseshoe crabs were too small to be identified in TC3 while they were excluded from data analysis.



Figure 3.2. *Photographic records of mating pair (above) and moult (below) of Carcinoscorpius rotundicauda (Mar.2015)*

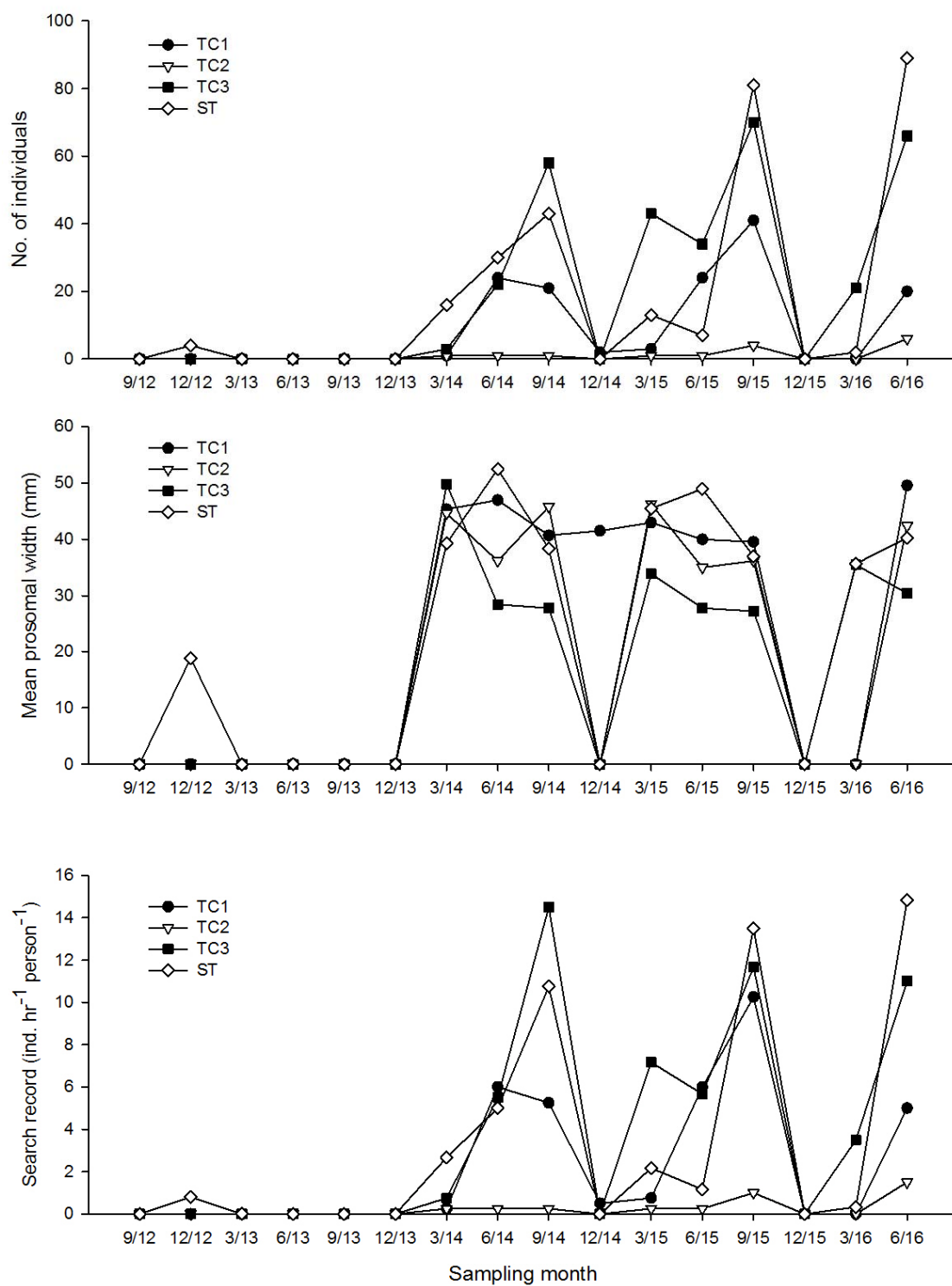


Figure 3.3. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Carcinoscorpius rotundicauda* in every sampling zone along the sampling months

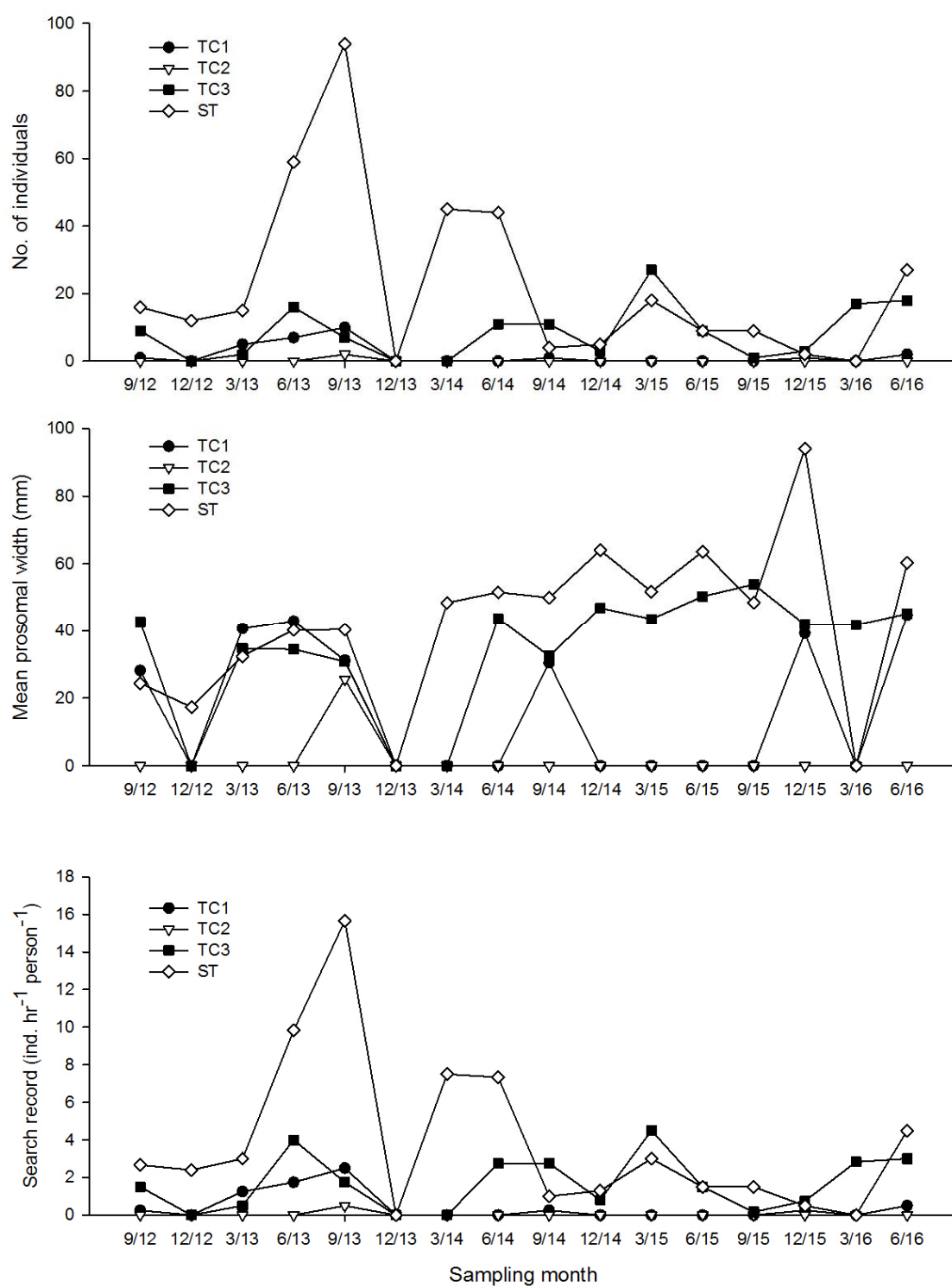


Figure 3.4. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* in every sampling zone along the sampling months

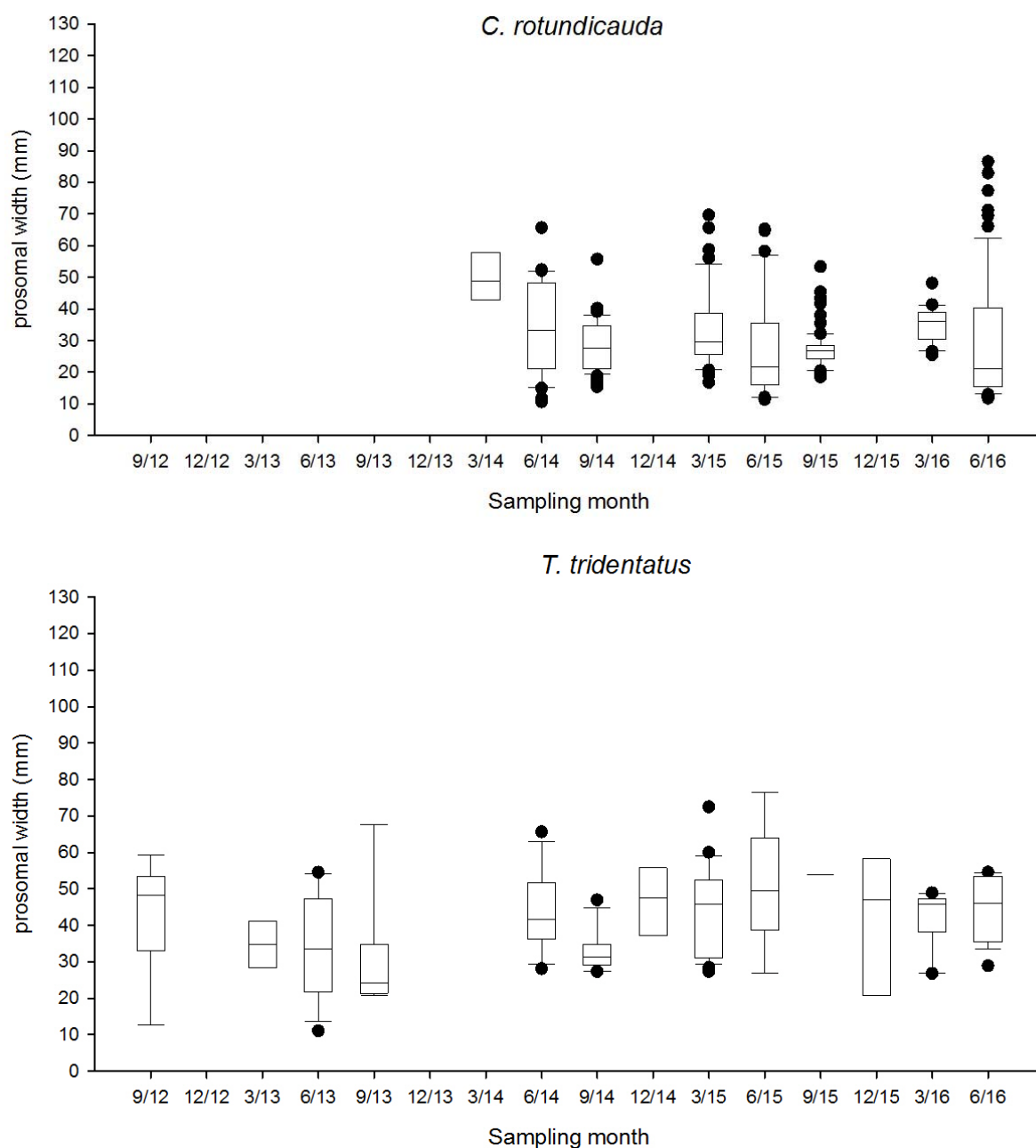


Figure 3.5. Box plot of prosomal width of horseshoe crab in the sampling zone TC3 along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively. The black circle dots showed the data of outlier.)

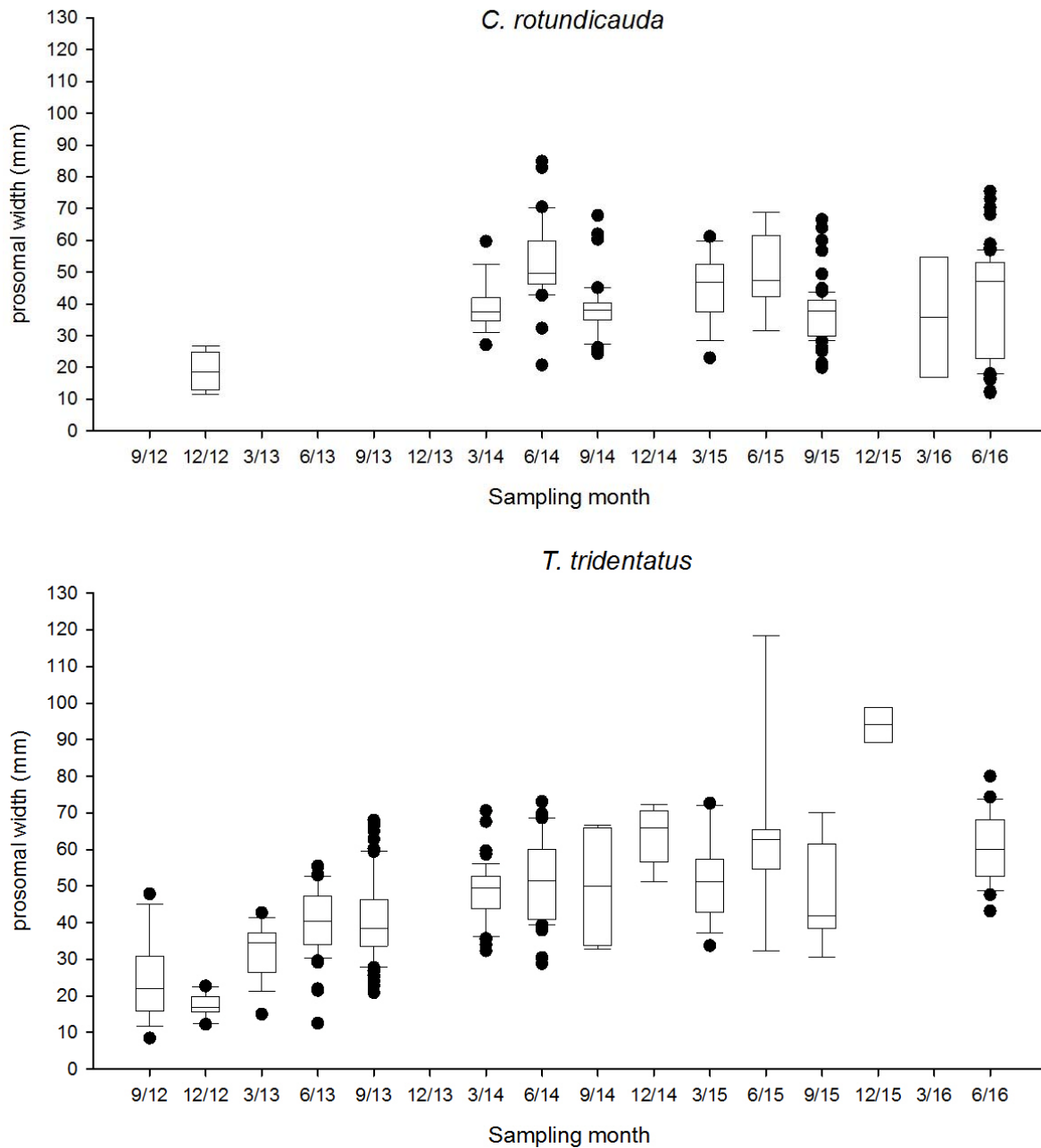


Figure 3.6. Box plot of prosomal width of horseshoe crab in the sampling zone ST along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively. The black circle dots showed the data of outlier.)

ST *Halophila ovalis*



ST *Zostera japonica*



Two seagrass species coexisted in one long strand of seagrass bed



Figure 3.7. Examples of photographic records of seagrass beds survey (Jun. 2016)

Table 3.2. *Summary of seagrass beds survey*

Sampling zone	ST	
	<i>Halophila ovalis</i>	<i>Zostera japonica</i>
Number of patches	4	1
Total area (m ²)	4707.3	114.9
Average area (m ²)	1176.8	\

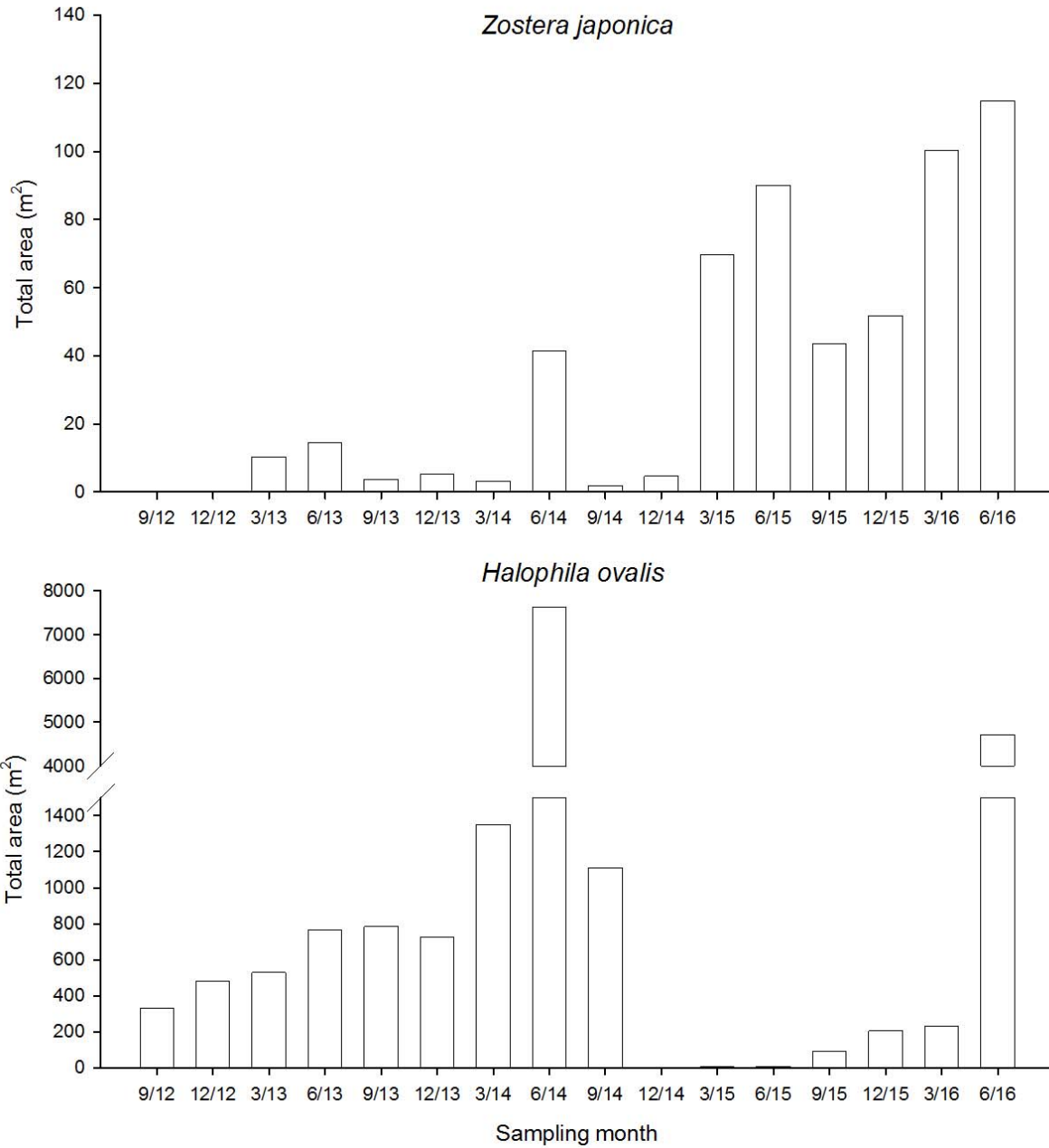


Figure 3.8. Temporal changes of estimated total area of seagrass beds in ST

Jun. 2014



Dec. 2014



Mar. 2015



Sep. 2015



Mar. 2016



Jun. 2016



Figure 3.9. *Comparison of pictures taken in different sampling months shows the disappearance and recolonization of seagrass beds.*

Table 3.3. *Relative distribution (%) of types of substratum along the horizontal transect at every tidal level and in every sampling zone.*

Sampling zone	Tidal level	Percentage		
		Gravels and Boulders	Sands	Soft mud
TC1	H	80	20	
	M	80	20	
	L	90	10	
TC2	H	10	40	50
	M	20	60	20
	L	10	60	30
TC3	H		70	30
	M		100	
	L	70	10	20
ST	H	100		
	M	80	20	
	L	40	20	40

H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.

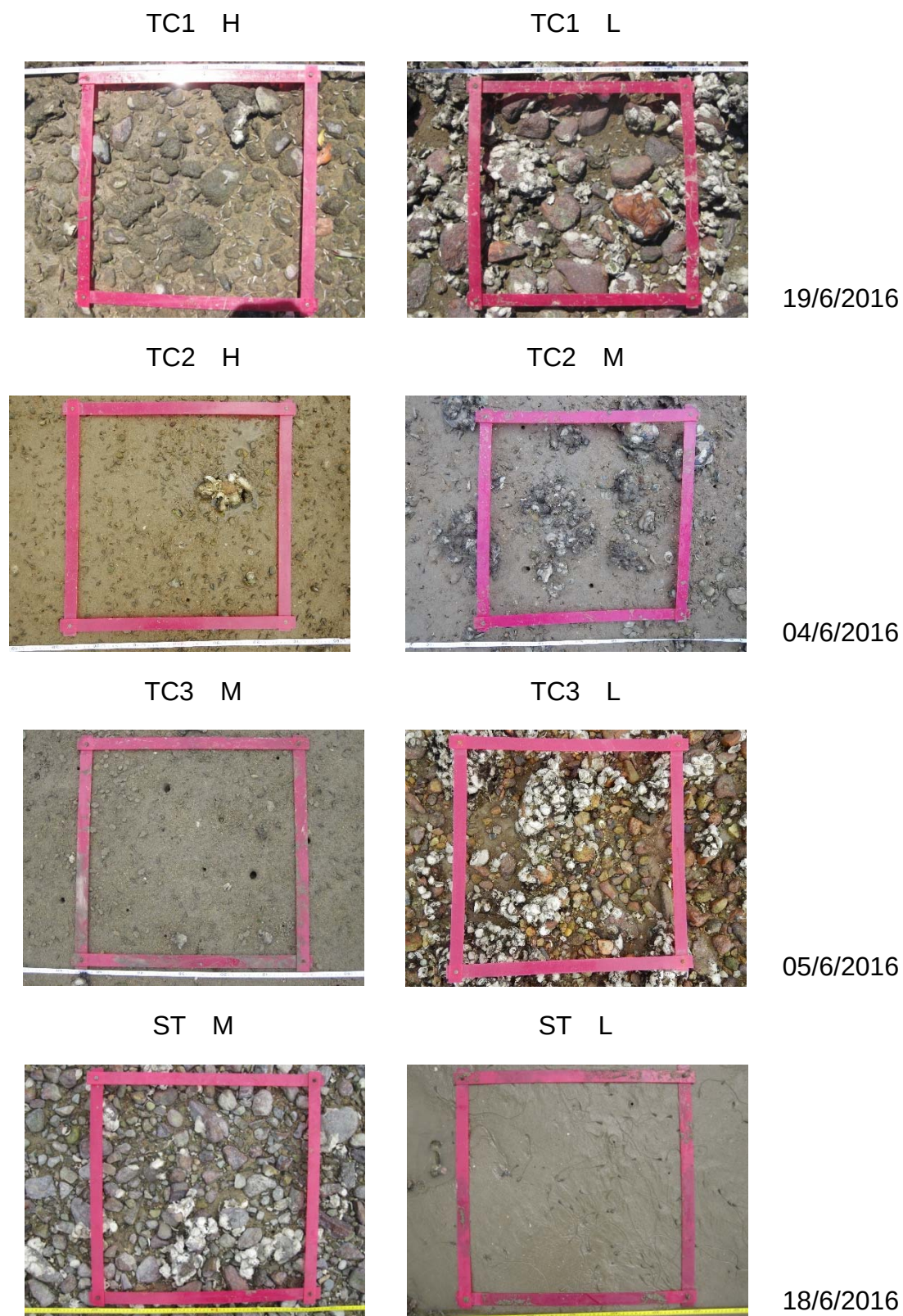


Figure 3.10. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

Table 3.4. *Total abundance, density and number of taxon of every phylum*

Phylum	Total Abundance	%	Density (ind. m ⁻²)	Number of taxon
<i>Jun. 2016</i>				
Mollusca	14722	96.2	491	40
Arthropoda	328	2.1	11	18
Annelida	123	0.8	4	14
Sipuncula	43	0.3	1	2
Cnidaria	38	0.2	1	1
Nemertea	28	0.2	1	1
Echiura	21	0.1	1	1
Chordata	1	0.0	0	1
Total	15304			

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 3.5. *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	15	0.3	2	67	2.5	9	25	0.5	3	16	0.5	2
Arthropoda	51	1.1	7	100	3.7	13	110	2.4	15	67	2.1	9
Chordata										1	0.0	0
Cnidaria	2	0.0	0							36	1.1	5
Echiura	11	0.2	1				10	0.2	1			
Mollusca	4662	97.6	622	2513	93.6	335	4435	96.6	591	3112	95.8	415
Nemertea	14	0.3	2	3	0.1	0	2	0.0	0	9	0.3	1
Sipuncula	22	0.5	3	3	0.1	0	10	0.2	1	8	0.2	1
Sub-total	4777			2686			4592			3249		

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 3.6. *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	<i>Batillaria multiformis</i>	413	54	54
	G	<i>Cerithidea cingulata</i>	165	22	75
	G	<i>Cerithidea djadjariensis</i>	110	14	90
Mid	G	<i>Monodonta labio</i>	119	22	22
	G	<i>Cerithidea cingulata</i>	109	20	43
	G	<i>Batillaria multiformis</i>	88	16	59
	Bi	<i>Saccostrea cucullata</i>	75	14	73
Low	G	<i>Monodonta labio</i>	144	24	24
	Bi	<i>Saccostrea cucullata</i>	139	23	46

Bi = Bivalve, G = Gastropod

Table 3.6 (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	G	<i>Cerithidea djadjariensis</i>	322	51	51
	G	<i>Cerithidea cingulata</i>	167	27	78
Mid	G	<i>Cerithidea djadjariensis</i>	85	28	28
	Bi	<i>Saccostrea cucullata</i>	75	25	53
	G	<i>Batillaria zonalis</i>	56	18	71
	G	<i>Cerithidea cingulata</i>	34	11	82
Low	G	<i>Batillaria zonalis</i>	36	25	25
	Bi	<i>Saccostrea cucullata</i>	35	24	49
	G	<i>Cerithidea djadjariensis</i>	20	14	63

Bi = Bivalve, G = Gastropod

Table 3.6 (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	<i>Batillaria multiformis</i>	203	33	33
	G	<i>Cerithidea djadjariensis</i>	195	32	65
	G	<i>Cerithidea cingulata</i>	192	31	96
Mid	G	<i>Cerithidea djadjariensis</i>	282	45	45
	G	<i>Cerithidea cingulata</i>	220	35	81
Low	Bi	<i>Saccostrea cucullata</i>	202	34	34
	G	<i>Monodonta labio</i>	147	25	58
	G	<i>Cerithidea djadjariensis</i>	106	18	76

Bi = Bivalve, G = Gastropod

Table 3.6 (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	<i>Monodonta labio</i>	186	36	36
	G	<i>Batillaria multiformis</i>	123	23	59
	G	<i>Cellana toreuma</i>	61	12	71
	Bi	<i>Saccostrea cucullata</i>	60	11	82
Mid	G	<i>Monodonta labio</i>	158	28	28
	Bi	<i>Saccostrea cucullata</i>	111	20	48
Low	G	<i>Cerithidea cingulata</i>	49	22	22
	G	<i>Cerithidea djadjariensis</i>	43	20	42
	G	<i>Lunella coronata</i>	29	13	55
	Bi	<i>Saccostrea cucullata</i>	26	12	67

Bi = Bivalve, G = Gastropod

Table 3.7. 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	8	13	767	637	0.9	1.5	0.4	0.6
	M	14		535		1.8		0.7	
	L	16		608		1.9		0.7	
TC2	H	10	9	626	358	1.3	1.5	0.6	0.7
	M	9		304		1.5		0.7	
	L	8		144		1.7		0.8	
TC3	H	6	8	615	612	1.0	1.2	0.6	0.6
	M	8		623		1.1		0.6	
	L	11		599		1.5		0.6	
ST	H	12	12	524	433	1.6	1.7	0.7	0.7
	M	14		558		1.8		0.7	
	L	10		218		1.7		0.7	

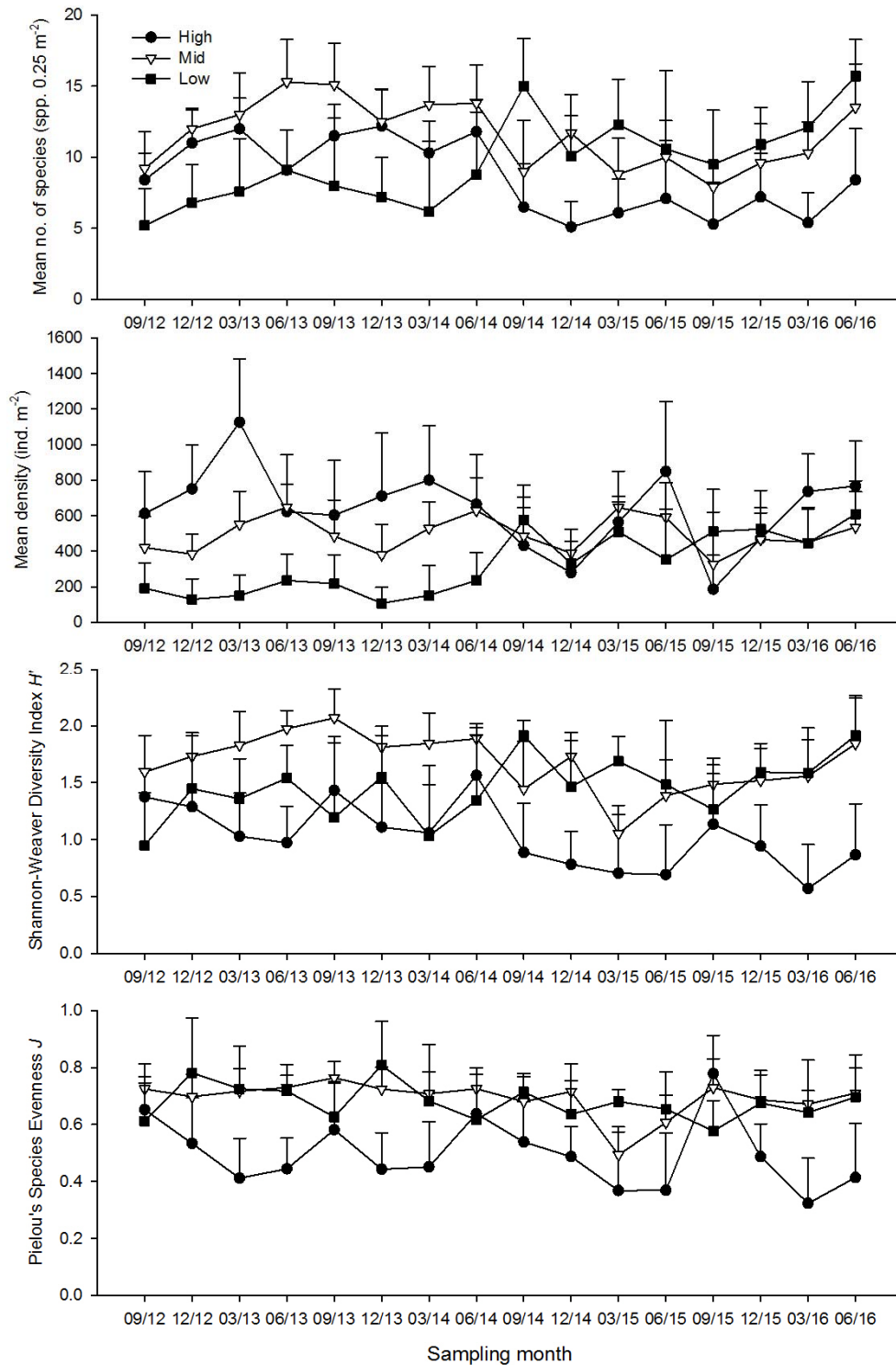


Figure 3.11. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC1

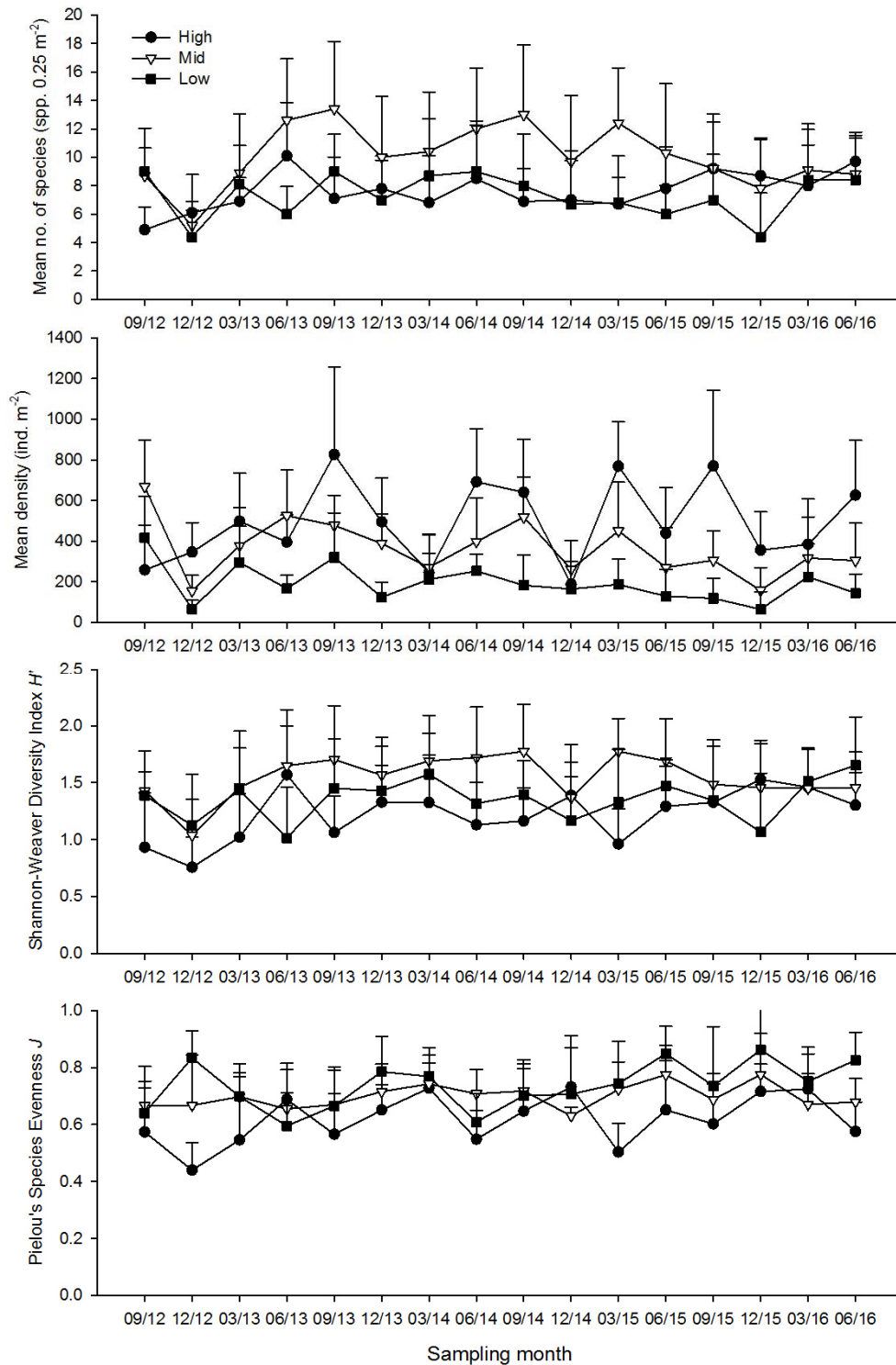


Figure 3.12. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC2

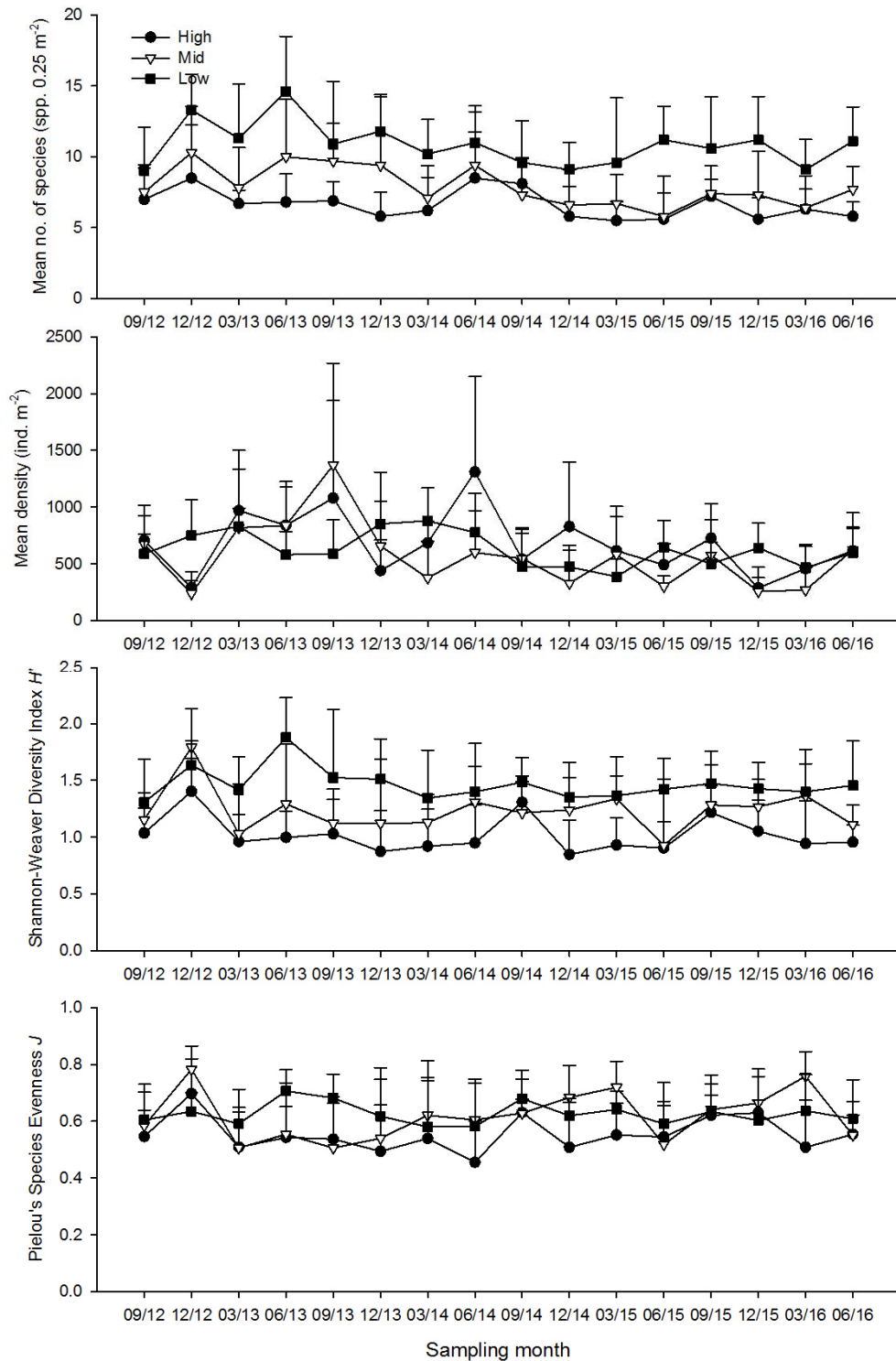


Figure 3.13. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC3

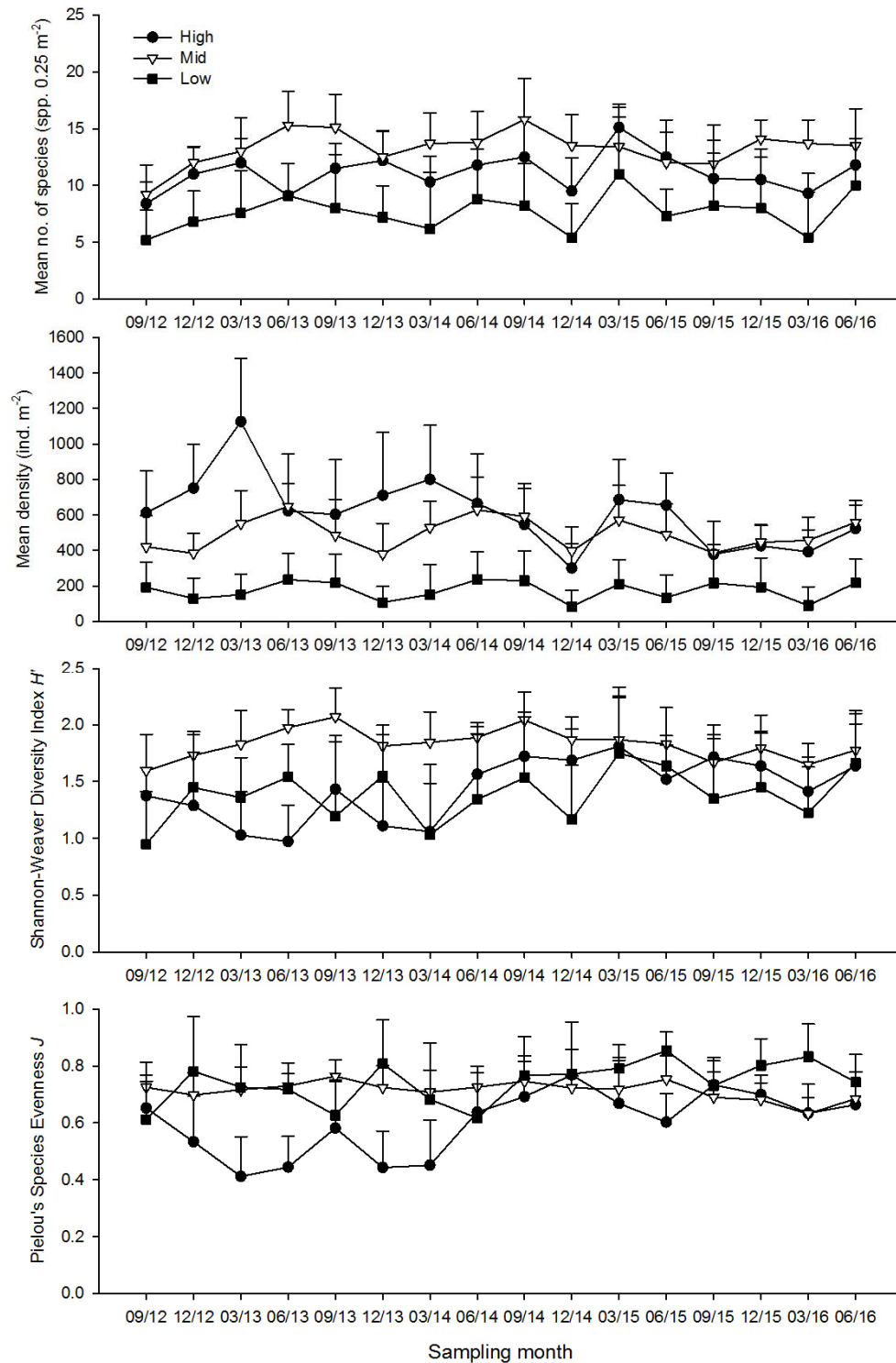


Figure 3.14. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone ST

Annex I *Location of sampling zones (map from ATKINS China Ltd.)*



Annex II. Record of horseshoe crab survey in every sampling zone.

No.	Sub.	GPS coordinate		Record of prosomal width (mm)												
<u>Sampling site TC1 (Search hour = 2 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>							<i>Tachypleus tridentatus</i>					
1	M	22° 17.031' N	113° 55.978' E	48.46												
2	S	22° 16.994' N	113° 55.986' E	15.58	16.45	17.69	26.85	27.76								
3	S	22° 17.007' N	113° 55.985' E	15.24								53.71				
4	S	22° 17.021' N	113° 55.983' E	50.13	31.45						35.77					
5	S	22° 17.034' N	113° 55.971' E	81.20	47.63	82.08	59.89	60.84	64.44	47.22						
				142.72												
6	M	22° 17.071' N	113° 55.986' E	74.81												
7	S	22° 17.056' N	113° 56.005' E	44.53												
8	S	22° 17.047' N	113° 56.028' E	36.51												
No. of ind.				20							2					
<u>Sampling site TC2 (Search hour = 2 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>							<i>Tachypleus tridentatus</i>					
1	M	22° 16.908' N	113° 55.900' E	30.38	39.07	37.58	37.51	35.85	74.17							
No. of ind.				6							0					

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

Annex II (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	S	22° 16.952' N	113° 55.710' E	16.71	11.76						
2	S	22° 16.946' N	113° 55.706' E	15.10	15.40						
3	S	22° 16.938' N	113° 55.717' E	16.13	14.64	15.17	15.26	16.50	15.90		
4	M	22° 17.003' N	113° 55.682' E	42.81							
5	S	22° 17.004' N	113° 55.656' E							33.94	
6	S	22° 16.997' N	113° 55.654' E							35.32	45.93
7	S	22° 16.996' N	113° 55.648' E							44.78	
8	S	22° 16.966' N	113° 55.686' E	16.32	17.15	15.75	14.41	16.57	16.58	16.30	
				16.67							
9	S	22° 16.968' N	113° 55.686' E	13.81	13.19	12.44	12.76	12.95	12.68	12.16	
10	S	22° 16.975' N	113° 55.653' E	34.76	21.20	25.49	38.75			35.11	
11	S	22° 16.981' N	113° 55.650' E	36.94						54.41	
12	S	22° 17.013' N	113° 55.638' E	14.83	29.16	21.03	16.65	17.74	40.89	17.23	
				56.58							

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

Annex II (Cont'd). *Record of horseshoe crab survey in every sampling zone.*

No.	Sub.	GPS coordinate		Record of prosomal width (mm)											
<u>Sampling site TC3 (Search hour = 3 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>								<i>Tachypleus tridentatus</i>			
13	S	22° 17.020' N	113° 55.638' E	50.51	27.52	21.69	13.19	22.52	36.77	13.17	39.81	53.25	35.46	50.54	
				21.12	34.95										
14	S	22° 17.058' N	113° 55.621' E	32.91	71.16	34.45	39.00	47.20	45.29	69.43	52.57	28.89	54.30	51.66	
				40.30	29.71	60.27									
15	S	22° 17.066' N	113° 55.646' E	77.29	66.08	60.70	86.54	52.01	35.20	49.50	46.14	53.96	54.58	42.22	
				82.91											
No. of ind.				66								18			

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

Annex II (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)				<i>Carcinoscorpius rotundicauda</i>							<i>Tachypleus tridentatus</i>						
1	S	22° 17.165' N	113° 55.503' E	56.90	52.79	75.41	36.93	52.83	52.41	36.93	58.68	67.50	52.62	60.02	51.44	64.73	43.16
				68.16	54.21	52.93	72.98	50.33	70.37		53.92	62.52					
2	S	22° 17.173' N	113° 55.486' E	55.52	54.49	52.77	57.07	24.26	51.01	51.50	49.13	73.60	54.45	71.68	52.93	64.70	69.40
				22.29	48.17						73.77						
3	S	22° 17.198' N	113° 55.476' E	32.80	24.59	22.88	34.33	53.04	24.84	53.29	53.02						
				24.40	22.61	24.51	51.36	20.71	21.71	57.59							
				22.58	40.28	17.99	52.11	55.17	23.81								
4	S	22° 17.208' N	113° 55.492' E	46.19	54.75	52.22	54.71	34.46	50.70	52.30	80.03	51.47	47.63	61.27	49.58	74.37	61.29
				50.23	56.89	53.05	51.17	51.75	54.51	54.86	68.21						
				33.76	32.60	24.71	50.32	23.83	23.69	49.32							
				36.60	21.16	58.87	55.18	54.65	58.92	33.99							
				54.84	49.61	52.25											
5	S	22° 17.240' N	113° 55.495' E	45.35	12.51	12.00	22.44	23.74	22.07	20.83	56.33						
				21.91	22.70	16.17	21.46										

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

Annex II (Cont'd). *Record of horseshoe crab survey in every sampling zone.*

No.	Sub.	GPS coordinate		Record of prosomal width (mm)			
<u>Sampling site ST</u> (Search hour = 3 hrs)				<i>Carcinoscorpius rotundicauda</i>		<i>Tachypleus tridentatus</i>	
6	S	22° 17.391' N	113° 55.459' E	19.03	17.73	16.51	17.75
7	S	22° 17.388' N	113° 55.458' E	17.51	16.62		
		No. of ind.		90		27	

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

Annex III. Record of seagrass beds survey in every sampling zone

Estimated area (m²)	Estimated coverage (%)		GPS coordinate		Remark
TC1 (search hour = 2 hrs) & TC2 (search hour = 2 hrs) & TC3(search hour = 3 hrs)					
No record					
ST (search hour = 3 hrs) <i>Halophila ovalis</i>					
45.6	80	\	22° 17.103' N	113° 55.578' E	A small patch of seagrass bed at tidal zone 0.5-1.0 m above C.D.
28.5	60	horizontal	22° 17.099' N	113° 55.574' E	-- A medium patch of seagrass bed at tidal zone 0.5-1.0 m above C.D.
		shoreline	22° 17.105' N	113° 55.570' E	
4162.7	70	horizontal	22° 17.116' N	113° 55.554' E	--
		shoreline	22° 17.165' N	113° 55.502' E	An extensive patch of seagrass bed at tidal zone 0.5-1.0 m above C.D.
		vertical	22° 17.128' N	113° 55.554' E	--
		shoreline	22° 17.119' N	113° 55.538' E	
470.5	10-100	horizontal	22° 17.220' N	113° 55.474' E	-- A large, horizontal strand of two coexisting seagrass species nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
		shoreline	22° 17.169' N	113° 55.479' E	
ST (search hour = 3 hrs) <i>Zostera japonica</i>					
114.9	70	horizontal	22° 17.217' N	113° 55.473' E	-- A large, horizontal strand of two coexisting seagrass species nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
		shoreline	22° 17.198' N	113° 55.472' E	

Annex IV 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	Eunicidae	Eunicidae spp.
Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae	Lumbrineridae spp.
Animalia	Annelida	Polychaeta	Eunicida	Onuphidae	Onuphidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Goniadidae 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	Cirratulidae	Cirratulidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinariidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Annelida	Polychaeta		Orbiniidae	Orbiniidae spp.
Animalia	Arthropoda	Malacostraca	Amphipoda		Amphipoda spp.
Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	<i>Alpheus brevicristatus</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	<i>Diogenes</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Grapsidae	<i>Metopograpsus latifrons</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Leucosiidae	<i>Philyra carinata</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus erato</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca borealis</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca crassipes</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca lactea</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca vocans</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	<i>Pagurus dubius</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Penaeidae	<i>Penaeus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Penaeidae	Unidentified juvenile shrimp
Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Scylla serrata</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	<i>Nanosesarma minutum</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Hemigrapsus penicillatus</i>
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	<i>Balanus amphitrite</i>

Annex IV (Cont'd) *Taxonomic resolution of every recorded species of intertidal soft shore community survey*

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	Gobiidae spp.
Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	<i>Diadumene lineata</i>
Animalia	Echiura				Echiura spp.
Animalia	Mollusca	Bivalvia	Anomalodesmata	Laternulidae	<i>Laternula anatina</i>
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Barbatia virescens</i>
Animalia	Mollusca	Bivalvia	Euheterodonta	Hiatellidae	<i>Hiatella arctica</i>
Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	<i>Xenostrobus atratus</i>
Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	<i>Saccostrea cucullata</i>
Animalia	Mollusca	Bivalvia	Veneroida	Corbiculidae	<i>Geloina erosa</i>
Animalia	Mollusca	Bivalvia	Veneroida	Glauconomidae	<i>Glauconome chinensis</i>
Animalia	Mollusca	Bivalvia	Veneroida	Lucinidae	<i>Anodontia stearnsiana</i>
Animalia	Mollusca	Bivalvia	Veneroida	Mesodesmatidae	<i>Caecella chinensis</i>
Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	<i>Tellina</i> sp.
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Anomalocardia squamosa</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Circe</i> sp.
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Cyclina sinesis</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Ruditapes philippinarum</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria bornii</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria multiformis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria zonalis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea cingulata</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea djarjariensis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea rhizophorarum</i>
Animalia	Mollusca	Gastropoda	Cephalaspidea	Philineidae	<i>Philine vitrea</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Clithon faba</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Clithon oualaniensis</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Nerita polita</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraia melanostoma</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraria articulata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Rissoinidae	<i>Rissoina plicatula</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	<i>Pisania ignea</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Muricidae	<i>Thais luteostoma</i>

Annex IV (Cont'd) *Taxonomic resolution of every recorded species of intertidal soft shore community survey*

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	<i>Nassarius festivus</i>
Animalia	Mollusca	Gastropoda	Systellommatophora	Onchidiidae	<i>Onchidium</i> sp.
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Nipponacmea concinna</i>
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Patelloida pygmaea</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana grata</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana toreuma</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Euchelus scaber</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Monodonta labio</i>
Animalia	Mollusca	Gastropoda		Turbinidae	<i>Lunella coronata</i>
Animalia	Mollusca	Polyplacophora	Chitonida	Ischnochitonidae	<i>Lepidozona</i> sp.
Animalia	Mollusca	Scaphopoda	Dentaliida	Dentaliidae	<i>Dentalium sinuosum</i>
Animalia	Nemertea				Nemertea spp.
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	<i>Siphonosoma cumanense</i>
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	<i>Sipunculus nudus</i>

Annex V List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>					1																1
Bi	<i>Cyclina sinesis</i>				1																	1
Bi	<i>Geloina erosa</i>					3																3
Bi	<i>Glauconome chinensis</i>				1																	1
Bi	<i>Saccostrea cucullata</i>	5		5		8				4		2								6		30
Bi	<i>Xenostrobus atratus</i>					3		1		2		1						1				8
C	<i>Hemigrapsus penicillatus</i>					1																1
C	<i>Nanosesarma minutum</i>					2				1		1										4
C	<i>Uca vocans</i>			4										1								5
Eh	<i>Echiura</i> spp.							2		1						3						6
G	<i>Batillaria bornii</i>																	1				1
G	<i>Batillaria multiformis</i>	14		31	1	18		191		221		142		128		127		125		34		1032
G	<i>Batillaria zonalis</i>	1																				1
G	<i>Cerithidea cingulata</i>	252		91	4	44		1		9						4		4		4		413
G	<i>Cerithidea djadjariensis</i>	13		78	2	113		10		13						13		7		25		274
G	<i>Cerithidea rhizophorarum</i>					2				2						2						6
G	<i>Clithon faba</i>	6														4		4				14
G	<i>Clithon oualaniensis</i>			1						1						5		4		1		12
G	<i>Littoraia melanostoma</i>	1																				1

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Littoraria articulata</i>									5				2				5				12
G	<i>Lunella coronata</i>			2																		2
G	<i>Monodonta labio</i>					14				2				27		18		8				69
G	<i>Nerita polita</i>																	1				1
G	<i>Onchidium</i> sp.																	1				1
G	<i>Patelloida pygmaea</i>					2		1														3
G	<i>Rissoina plicatula</i>																	6				6
Ne	Nemertea spp.					3																3
Ol	Marine oligochaete spp.									1												1
P	Ampharetidae spp.				3																	3
P	Nereididae spp.				1																	1
S	Unidentified juvenile shrimp	1																				1
Sp	<i>Sipunculus nudus</i>									1												1
																					Total	1918

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016

Sampling zone TC 1

Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>	2																				2
Bi	<i>Barbatia virescens</i>													3						1		4
Bi	<i>Geloina erosa</i>			1																		1
Bi	<i>Hiatella arctica</i>					2		1		1		2		7						4		17
Bi	<i>Ruditapes philippinarum</i>									1										2		3
Bi	<i>Saccostrea cucullata</i>	13		5		46		22		9		21		26		25		9		11		187
Bi	<i>Xenostrobus atratus</i>	4						2		1		4		4						2		17
C	<i>Nanosesarma minutum</i>									2				1		2						5
C	<i>Uca lactea</i>			8						2												10
Eh	<i>Echiura</i> spp.					3						2										5
G	<i>Batillaria bornii</i>	1	3																			4
G	<i>Batillaria multiformis</i>	9				44		27		22		39		14		52		9		3		219
G	<i>Batillaria zonalis</i>	4		1	2																	7
G	<i>Cellana grata</i>																			1		1
G	<i>Cellana toreuma</i>	6				4		3		3		6		6		10		10		12		60
G	<i>Cerithidea cingulata</i>	133		77	2	21		9		21						1		1		7		272
G	<i>Cerithidea djadjariensis</i>	7		8		26		10		18				4		6		4		4		87
G	<i>Cerithidea rhizophorarum</i>							1		2								3		1		7
G	<i>Clithon faba</i>	1												2		5		3		4		15

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Clithon oualaniensis</i>					1				1				9		6		2		3		22
G	<i>Euchelus scaber</i>															1						1
G	<i>Lepidozона</i> sp.	1						3				1										5
G	<i>Littoraria articulata</i>											7								1		8
G	<i>Lunella coronata</i>	11				2		1		3						12		8		6		43
G	<i>Monodonta labio</i>	9				23		13		2		110		48		47		23		22		297
G	<i>Nerita polita</i>											1		1		2						4
G	<i>Nipponacmea concinna</i>							1				1		2		2				3		9
G	<i>Patelloida pygmaea</i>					3		2		2		2								1		10
Ne	Nemertea spp.	1				2		5		1				1								10
P	Ampharetidae spp.				1																	1
P	Maldanidae spp.				1																	1
P	Oweniidae spp.		1																			1
P	Polynoidae spp.											1										1
S	<i>Penaeus</i> sp.		1																			1
Sp	<i>Sipunculus nudus</i>									1												1
Total																						1338

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>			1				1				3		1								6
Bi	<i>Anodontia stearnsiana</i>													1								1
Bi	<i>Barbatia virescens</i>			12				9		1		4				6		1		5		38
Bi	<i>Circe</i> sp.						1															1
Bi	<i>Hiatella arctica</i>	9		1				3		6		5		5		1		7				37
Bi	<i>Ruditapes philippinarum</i>													1		2				4		7
Bi	<i>Saccostrea cucullata</i>	85		93		6		33		35		34		11		35		6		9		347
Bi	<i>Xenostrobus atratus</i>	11		8						2		3										24
C	<i>Hemigrapsus penicillatus</i>													1				1				2
C	<i>Nanosesarma minutum</i>			2								1		2				1		1		7
C	<i>Uca lactea</i>					5																5
Cn	<i>Diadumene lineata</i>	2																				2
G	<i>Batillaria bornii</i>							3		1				2								6
G	<i>Batillaria multiformis</i>	13		1		1	3			2		3		39		6		5		3		76
G	<i>Batillaria zonalis</i>					4	1															5
G	<i>Cellana toreuma</i>	22		5				5		17		13		33		15		20		9		139
G	<i>Cerithidea cingulata</i>	1				3		84		2		3		1		1		1		9		105
G	<i>Cerithidea djadjariensis</i>	9		3		62		18		5		3		7		2		4		4		117
G	<i>Cerithidea rhizophorarum</i>	1				4		2										1		2		10

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Clithon faba</i>											4				3		2		5		14
G	<i>Clithon oualaniensis</i>	1						3		5		5		6		2						22
G	<i>Euchelus scaber</i>			1						6		3		3		2		2				17
G	<i>Lepidozona</i> sp.	2								2				1		3						8
G	<i>Lunella coronata</i>	6		5		1		4		24		18		19		9		5		8		99
G	<i>Monodonta labio</i>	16		108						4		39		32		55		74		32		360
G	<i>Nerita polita</i>			1								1				3						5
G	<i>Nipponacmea concinna</i>	3		1								4		1		3		4		6		22
G	<i>Patelloida pygmaea</i>	2						2		5								2				11
Hc	<i>Pagurus dubius</i>															1						1
Ne	Nemertea spp.			1																		1
P	Ampharetidae spp.											1										1
P	Cirratulidae spp.											1				1						2
P	Maldanidae spp.						1															1
P	Nereididae spp.						1									1						2
Sp	<i>Sipunculus nudus</i>	3		11				4												2		20
																					Total	1521

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>	1				2						8				1		1		1		14
Bi	<i>Barbatia virescens</i>			1		1																2
Bi	<i>Laternula anatina</i>																		2			2
Bi	<i>Saccostrea cucullata</i>	12		6		12				1		2				7		18		36		94
Bi	<i>Xenostrobus atratus</i>	3																				3
C	<i>Hemigrapsus penicillatus</i>																	1				1
C	<i>Metopograpsus latifrons</i>					1																1
C	<i>Uca lactea</i>			4		6		1		1						1						13
C	<i>Uca</i> sp.											1										1
G	<i>Batillaria bornii</i>																			2		2
G	<i>Batillaria multiformis</i>	11				1				4		5		7	1	1		1		11		42
G	<i>Batillaria zonalis</i>											8		1		2		9				20
G	<i>Cerithidea cingulata</i>	1		17		11		17		71	2	97	1	34		55		66	2	43		417
G	<i>Cerithidea djadjariensis</i>	17		45	2	59		73	1	124	1	144	1	81		86	2	114	1	55		806
G	<i>Cerithidea rhizophorarum</i>	3				2		3		7		7	1	3		5		1		3		35
G	<i>Clithon oualaniensis</i>			3				1		3								3		1		11
G	<i>Littoraria articulata</i>	9																				9
G	<i>Lunella coronata</i>													1		1		2		4		8
G	<i>Monodonta labio</i>	38				3										4		11		9		65

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 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	<i>Philine vitrea</i>			1						2												3
P	Ampharetidae spp.				1				2		3					1				2		9
P	Cirratulidae spp.								1													1
P	Lumbrineridae spp.				1																	1
P	Maldanidae spp.								1													1
P	Nereididae spp.												1						2		1	4
Sp	<i>Sipunculus nudus</i>					1																1
Total																					1566	

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>																			2		2
Bi	<i>Anomalocardia squamosa</i>																1					1
Bi	<i>Barbatia virescens</i>									1												1
Bi	<i>Laternula anatina</i>						1						1									2
Bi	<i>Ruditapes philippinarum</i>											1										1
Bi	<i>Saccostrea cucullata</i>	5		23						12		2		71		11		60		3		187
Bi	<i>Xenostrobus atratus</i>	1								2												3
C	<i>Hemigrapsus penicillatus</i>													1								1
C	<i>Nanosesarma minutum</i>									1				1								2
C	<i>Uca lactea</i>					14						11				1						26
G	<i>Batillaria bornii</i>									2							1	1				4
G	<i>Batillaria multiformis</i>						1			1				3		1		8				14
G	<i>Batillaria zonalis</i>					5	1	2		18		3		4	1	13	7	48	1	35	1	139
G	<i>Cellana toreuma</i>									1										1		2
G	<i>Cerithidea cingulata</i>					10		4		6		4		11		34		8		6	2	85
G	<i>Cerithidea djadjariensis</i>			1		34		19		19		14		20		34		24		46	1	212
G	<i>Cerithidea rhizophorarum</i>	1						1												2		4
G	<i>Euchelus scaber</i>									2												2
G	<i>Littoraria articulata</i>	1		1																		2

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016

Sampling zone TC 2

Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>					1				9		1		4		1		10				26
G	<i>Monodonta labio</i>	11		6										2				1				20
G	<i>Nerita polita</i>													1								1
G	<i>Patelloida pygmaea</i>			1										1								2
Hc	<i>Pagurus dubius</i>																	1				1
P	Ampharetidae spp.						1	1					1						1		1	5
P	Maldanidae spp.								6			1	1								1	9
P	Nereididae spp.								2													2
S	Unidentified juvenile shrimp																1					1
Sp	<i>Sipunculus nudus</i>													2								2
																					Total	759

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>	1		2				3		16										11		33
Bi	<i>Anodontia stearnsiana</i>					1	3							2		2					3	11
Bi	<i>Anomalocardia squamosa</i>					1								1								2
Bi	<i>Barbatia virescens</i>							2		1												3
Bi	<i>Laternula anatina</i>				1																	1
Bi	<i>Saccostrea cucullata</i>	3		11				7		39								14		13		87
Bi	<i>Tellina</i> sp.															1						1
Bi	<i>Xenostrobus atratus</i>									2												2
C	<i>Nanosesarma minutum</i>			1																		1
C	<i>Philyra carinata</i>	1																				1
C	<i>Scylla serrata</i>					1																1
G	<i>Batillaria bornii</i>																			1		1
G	<i>Batillaria zonalis</i>	1			1	18		5	1	3		12		4		12	1	14		18		90
G	<i>Cerithidea cingulata</i>						1							2		4	2			1		10
G	<i>Cerithidea djadjariensis</i>	2		1		3	2	2		3				5		10		4		18		50
G	<i>Euchelus scaber</i>									1										1		2
G	<i>Lepidozona</i> sp.			1				1														2
G	<i>Lunella coronata</i>			3						14												17
G	<i>Monodonta labio</i>	1																				1

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Nassarius festivus</i>														1							1
G	<i>Nipponacmea concinna</i>									1												1
G	<i>Patelloida pygmaea</i>									3												3
G	<i>Pisania ignea</i>									1												1
Hc	<i>Pagurus dubius</i>									1												1
Ne	Nemertea spp.						1			2												3
P	Ampharetidae spp.						1															1
P	Lumbrineridae spp.																1					1
P	Maldanidae spp.		1		1				2						2				2		1	9
P	Nereididae spp.		1		3		2						7	1	1		2		1			18
P	Onuphidae spp.		1		1	1			1												1	5
P	Pectinariidae spp.								1													1
																					Total	361

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
A	Amphipoda spp.												1									1
Bi	<i>Caecella chinensis</i>								1													1
Bi	<i>Geloina erosa</i>												1									1
Bi	<i>Saccostrea cucullata</i>													3						3		6
C	<i>Uca lactea</i>	1										2		4		3		6		7		23
G	<i>Batillaria multiformis</i>	43	11	41	12	283		28		69	1	4		8				1	1	2	4	508
G	<i>Batillaria zonalis</i>			1		5																6
G	<i>Cerithidea cingulata</i>	74	13	57		52	2	104		72		52	1	23		18	1	3		7	1	480
G	<i>Cerithidea djadjariensis</i>	51	2	55		12	2	18		7	1	59		89	1	45		42	1	100	2	487
G	<i>Cerithidea rhizophorarum</i>	2								2				1		2		1		1		9
G	<i>Clithon oualaniensis</i>					3				3										1		7
G	<i>Lunella coronata</i>													1								1
G	<i>Monodonta labio</i>	2																				2
P	Ampharetidae spp.								1													1
P	Cirratulidae spp.																1					1
P	Maldanidae spp.								2				1									3
P	Nereididae spp.										1											1
																					Total	1538

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Cyclina sinesis</i>					1																1
Bi	<i>Hiatella arctica</i>													1								1
Bi	<i>Saccostrea cucullata</i>													6				6		5		17
Bi	<i>Tellina</i> sp.								1													1
Bi	<i>Xenostrobus atratus</i>													1								1
C	<i>Nanosesarma minutum</i>	1		1				1														3
C	<i>Uca borealis</i>											1										1
C	<i>Uca lactea</i>			14		13		19		21				2								69
G	<i>Batillaria multiformis</i>	5		2		2						1		2		1	3	72		24		112
G	<i>Batillaria zonalis</i>	10		14		14	1	1			1	1	1	2		3	1					49
G	<i>Cerithidea cingulata</i>	95		69		31		5		3		67	1	33		119	16	63		47		549
G	<i>Cerithidea djadjariensis</i>	64		74	1	106		96		47		24		61		45		58		129		705
G	<i>Cerithidea rhizophorarum</i>	3		1		4		3		3				2				3		1		20
G	<i>Clithon oualaniensis</i>	3																		1		4
G	<i>Littoraria articulata</i>	1																1		1		3
G	<i>Monodonta labio</i>															3		1		3		7
G	<i>Nassarius festivus</i>									1												1
Hc	<i>Diogenes</i> sp.	2																				2
P	Maldanidae spp.					1		1	1	1	1	1	1		1							8

Annex V (Cont'd) *List of recorded fauna of intertidal soft shore community survey in every sampling zone*

Jun 2016 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		sub-total
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
P	Nereididae spp.								2													2
P	Onuphidae spp.							1														1
																					Total	1557

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>									2												2
Bi	<i>Barbatia virescens</i>																	1				1
Bi	<i>Hiatella arctica</i>			5		3																8
Bi	<i>Saccostrea cucullata</i>	131		97		104		28		17				41		56		14		18		506
Bi	<i>Xenostrobus atratus</i>	9		2												22		11		3		47
C	<i>Hemigrapsus penicillatus</i>													1				1				2
C	<i>Metopograpsus latifrons</i>			1																		1
C	<i>Nanosesarma minutum</i>	1		2						2												5
Eh	<i>Echiura</i> spp.			2		7														1		10
G	<i>Batillaria bornii</i>							4				1										5
G	<i>Batillaria multiformis</i>	5				4		2		2						1		22		18		54
G	<i>Batillaria zonalis</i>							9		5		5						1				20
G	<i>Cellana toreuma</i>			9		14		2														25
G	<i>Cerithidea cingulata</i>	1						2												4		7
G	<i>Cerithidea djadjariensis</i>	1						35		40		74		68	6			3		39		266
G	<i>Cerithidea rhizophorarum</i>							1		6		1		1				1		5		15
G	<i>Clithon oualaniensis</i>							1				1								1		3
G	<i>Euchelus scaber</i>													1								1
G	<i>Littoraria articulata</i>	10		2		1										5		9				27

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>	5		12		13		11		10				2				3		8		64
G	<i>Monodonta labio</i>	45		70		93		3		2		1				59		64		31		368
G	<i>Nassarius festivus</i>											1										1
G	<i>Nerita polita</i>	1				3				1												5
G	<i>Nipponacmea concinna</i>	4		3		3		2								1		13		2		28
G	<i>Patelloida pygmaea</i>			3		1														1		5
Ne	Nemertea spp.									1				1								2
P	Maldanidae spp.											1	1		4							6
P	Nereididae spp.					1							1									2
S	Unidentified juvenile shrimp														1							1
Sp	<i>Siphonosoma cumanense</i>					1																1
Sp	<i>Sipunculus nudus</i>	3				2				3										1		9
																					Total	1497

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone ST High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Barbatia virescens</i>							1				1										2
Bi	<i>Hiatella arctica</i>			1																		1
Bi	<i>Saccostrea cucullata</i>	3		12		17		8		15		30		13		14		21		17		150
Bi	<i>Xenostrobus atratus</i>									6				1				4		1		12
C	<i>Hemigrapsus penicillatus</i>			1		1																2
C	<i>Macrophthalmus erato</i>			1																1		2
C	<i>Nanosesarma minutum</i>			1						1		1		1		1		1		1		7
C	<i>Philyra carinata</i>																			1		1
C	<i>Uca crassipes</i>	1																				1
Cn	<i>Diadumene lineata</i>	4		7		3		1		3				2		1						21
G	<i>Batillaria bornii</i>							2		1										7		10
G	<i>Batillaria multiformis</i>	1		64		36		45		13		32		9		48		1		58		307
G	<i>Cellana toreuma</i>			5		4		5		17		34		32		39		10		7		153
G	<i>Cerithidea cingulata</i>											1				1				3		5
G	<i>Cerithidea djadjariensis</i>					1										3				3		7
G	<i>Cerithidea rhizophorarum</i>																			4		4
G	<i>Clithon faba</i>			2		1										2						5
G	<i>Clithon oualaniensis</i>	1		2		9		2		3		10		9						5		41
G	<i>Euchelus scaber</i>									1		1										2

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 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	<i>Lepidozона</i> sp.									1		1										2
G	<i>Littoraria articulata</i>	25				1		5										2				33
G	<i>Lunella coronata</i>					1				11		5		1		6		1		14		39
G	<i>Monodonta labio</i>	47		36		59		85		11		31		8		38		111		39		465
G	<i>Nerita polita</i>			1				1										4				6
G	<i>Nipponacmea concinna</i>					1				3								4				8
G	<i>Patelloida pygmaea</i>			2		2		1		3		4		4		3						19
Ne	Nemertea spp.													2						1		3
P	Polynoidae spp.			1																		1
Total																						1309

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone ST Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Barbatia virescens</i>	1								3				9		2		20		3		38
Bi	<i>Circe</i> sp.						1		2													3
Bi	<i>Hiatella arctica</i>			1						6		3		4		4		7		9		34
Bi	<i>Ruditapes philippinarum</i>	1										1				1						3
Bi	<i>Saccostrea cucullata</i>	42		33				3		29		14		44		15		54		44		278
Bi	<i>Xenostrobus atratus</i>	4		1						1		2		2								10
C	<i>Hemigrapsus penicillatus</i>													1						2		3
C	<i>Nanosesarma minutum</i>	3		4						2		1		2		3		3		3		21
Cn	<i>Diadumene lineata</i>	2		3						1		1		3				2		2		14
G	<i>Batillaria bornii</i>			3						1		5		2		6						17
G	<i>Batillaria multiformis</i>						1	3		1		10		1		19				8		43
G	<i>Batillaria zonalis</i>					9		9	4			1										23
G	<i>Cellana toreuma</i>			12						12		25		6		26		6		22		109
G	<i>Cerithidea cingulata</i>			5		8		50		1										1		65
G	<i>Cerithidea djadjariensis</i>			4		68		36		1						2				2		113
G	<i>Cerithidea rhizophorarum</i>			2		3		5								1						11
G	<i>Clithon oualaniensis</i>									1		2				1				1		5
G	<i>Dentalium sinuosum</i>					1	2															3
G	<i>Euchelus scaber</i>									1				1		5		9				16

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone ST Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Littoraria articulata</i>	4																				4
G	<i>Lunella coronata</i>	4		18						16		17		10		25		11		31		132
G	<i>Monodonta labio</i>	48		54						57		34		93		29		29		51		395
G	<i>Nassarius festivus</i>								1													1
G	<i>Nerita polita</i>									1				5				4				10
G	<i>Nipponacmea concinna</i>									8				4				1				13
G	<i>Patelloida pygmaea</i>			3						1		3		4		4		1		4		20
G	<i>Thais luteostoma</i>													1								1
Hc	<i>Pagurus dubius</i>											2										2
Ne	Nemertea spp.	3				1						1										5
P	Nereididae spp.			1			1															2
S	<i>Penaeus</i> sp.							1														1
Sp	<i>Sipunculus nudus</i>																	1				1
																					Total	1396

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone ST Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>					3				4												7
Bi	<i>Anodontia stearnsiana</i>												3									3
Bi	<i>Barbatia virescens</i>					3				3						1		2				9
Bi	<i>Circe</i> sp.																			1		1
Bi	<i>Hiatella arctica</i>	2				3				1				1								7
Bi	<i>Saccostrea cucullata</i>	17		1		20										17		9				64
Bi	<i>Xenostrobus atratus</i>					3		1		2						2		1				9
C	<i>Hemigrapsus penicillatus</i>					3																3
C	<i>Nanosesarma minutum</i>	1				8										3		2				14
C	<i>Uca borealis</i>													1								1
Cn	<i>Diadumene lineata</i>									1												1
F	Gobiidae spp.														1							1
G	<i>Batillaria bornii</i>	3		1		2														1		7
G	<i>Batillaria multiformis</i>	1				1														1		3
G	<i>Batillaria zonalis</i>			4		1		5		1										2	2	15
G	<i>Cellana toreuma</i>	1				8												8				17
G	<i>Cerithidea cingulata</i>	2		15						14		18		12		38		16		7		122
G	<i>Cerithidea djadjariensis</i>			63		1				7		5		16		4		1		10		107
G	<i>Cerithidea rhizophorarum</i>			5																		5

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone ST Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Dentalium sinuosum</i>												1									1
G	<i>Euchelus scaber</i>					3										6		11				20
G	<i>Lepidozona</i> sp.	1				1										1		1				4
G	<i>Lunella coronata</i>	4		3		14										32		19				72
G	<i>Monodonta labio</i>															1		1				2
G	<i>Nassarius festivus</i>								1											2		3
G	<i>Nerita polita</i>			2		2																4
G	<i>Nipponacmea concinna</i>	3				13												1				17
G	<i>Patelloida pygmaea</i>	1														1						2
Ne	Nemertea spp.									1												1
P	Eunicidae spp.												1									1
P	Goniadidae spp.												1									1
P	Maldanidae spp.												2									2
P	Nereididae spp.							2	2				1									5
P	Onuphidae spp.												1							1		2
P	Orbiniidae spp.										1											1
P	Terebellidae spp.														1							1
S	<i>Alpheus brevicristatus</i>					1																1

Annex V (Cont'd) List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 2016 Sampling zone ST Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		sub-total
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
S	<i>Penaeus</i> sp.					1																1
Sp	<i>Sipunculus nudus</i>									6								1				7
																					Total	544

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