

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.8 (Jun 2014 to Aug 2014)

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Main Contractor



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/C for HKLR and EP-353/2009/G for HKBCF were issued on 5 September 2013 and 6 August 2013, 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 Eighth Quarterly EM&A report for the Contract which summaries the monitoring results and audit findings of the EM&A programme during the reporting period from 1 June to 31 August 2014.

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 2014	July 2014	August 2014
Air Quality	1-hr TSP	3, 6, 12, 18, 24 and 30	4, 10, 16, 22 and 28	1, 7, 13, 19, 25 and 29
	24-hr TSP	AMS5: 6,11, 17, 23 and 27 AMS6: 5,11, 17, 23 and 27	AMS5: 3, 9, 15, 21, 25 and 31 AMS6: 4, 9, 15, 21, 25 and 31	5, 11, 15, 21 and 27
Noise		3, 12, 18 and 24	4, 10, 16, 22 and 28	7, 15, 22 and 25
Water Quality		2, 4, 6, 9, 11, 13, 16, 18, 20, 23, 25, 27 and 30	2, 4, 7, 9, 11, 14, 16, 21, 23, 25, 28 and 30	1, 4, 6, 8, 11, 13, 15, 18, 20, 22, 25, 27 and 29
Chinese White Dolphin		3, 5, 10 and 16	3, 9, 10, 14 and 21	5, 6, 15 and 19
Mudflat Monitoring (Ecology)		1, 13, 14, 15 and 16	-	-
Mudflat Monitoring (Sedimentation rate)		25	-	-
Site Inspection		4, 11, 18 and 27	2, 9, 16, 25 and 30	6, 13, 20 and 29

Due to boat availability issue, the dolphin monitoring schedule was rescheduled from 18 June 2014 to 5 June 2014.

Due to the electricity supply problem of high volume sampler, the 24-hr dust monitoring at AMS5 was rescheduled from 5 June 2014 to 6 June 2014.

Due to the electricity supply problem of high volume sampler, the 24-hr dust monitoring at AMS6 was rescheduled from 3 July 2014 to 4 July 2014.

Due to boat availability issue, the dolphin monitoring schedule was rescheduled from 8 July 2014 to 3 July 2014.

Water quality monitoring on 18 July 2014 was cancelled for safety reason as strong wind signal no. 3 was hoisted by Hong Kong Observatory.

Due to boat availability issue, the dolphin monitoring schedule was rescheduled from 7 August 2014 to 6 August 2014.

Water quality monitoring for mid-ebb tide on 13 August 2014 was cancelled for safety reason as a thunderstorm warning was hoisted by Hong Kong Observatory.

Due to the inclement weather on 13 August 2014 (red rainstorm signal was hoisted by Hong Kong Observatory), dolphin monitoring schedule was rescheduled to 15 August 2014.

Due to the inclement weather, the noise monitoring at NMS5 was rescheduled from 13 August 2014 to 15 August 2014 and from 19 August 2014 to 22 August 2014.

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	0	0
	24-hr TSP	0	0
Noise	L _{eq} (30 min)	0	0
Water Quality	Suspended solids level (SS)	2	0
	Turbidity level	0	0
	Dissolved oxygen level (DO)	10	0
Dolphin Monitoring	Quarterly Analysis (June to August 2014)	2	0

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 were no complaints received in relation to the environmental impacts during the reporting period.

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.

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/C for HKLR and EP-353/2009/G for HKBCF were issued on 5 September 2013 and 6 August 2013, 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. 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 Eighth Quarterly Environmental Monitoring and Audit (EM&A) report for the Contract which summaries the monitoring results and audit findings of the EM&A programme during the reporting period from 1 June to 31 August 2014.

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

Site Area	Description of Activities
Portion X	<ul style="list-style-type: none"> • Dismantling/trimming of temporary 40mm stone platform for construction of seawall • Stone column installation • Filling works behind stone platform • Temporary stone platform construction • Band drains installation Piling Works
Portion Y	<ul style="list-style-type: none"> • Access shaft construction for Scenic Hill Tunnel (SHT) & HKBCF to Airport Tunnel (HAT) • Utility culvert excavation • Pipe roofing installation for Tunnel HAT
West Portal	<ul style="list-style-type: none"> • Pipe roofing installation and excavation of tunnel SHT
Airport Express Line	<ul style="list-style-type: none"> • Pre-grouting and pipe piling works for Airport Express Line (AEL) access shafts
Kwo Lo Wan /Airport Road	<ul style="list-style-type: none"> • Works for diversion of Airport Road and Kwo Lo Wan Road
Kwo Lo Wan /Airport Road /Airport Express Line	<ul style="list-style-type: none"> • Utilities detection
Kwo Lo Wan Road	<ul style="list-style-type: none"> • Excavation and lateral support works at shaft 3 extension north shaft

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	<ul style="list-style-type: none"> Depth Temperature Salinity Dissolved Oxygen (DO) Suspended Solids (SS) DO Saturation Turbidity pH 	<ul style="list-style-type: none"> Impact Stations: IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 & IS10, Control/Far Field Stations: CS2 & CS(Mf)5, Sensitive Receiver Stations: SR3, SR4, SR5, SR10A & SR10B 	Three times per week during mid-ebb and mid-flood tides (within ± 1.75 hour of the predicted time)	3 (1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth is less than 6 m, in which case the mid-depth station may be omitted. Should the water depth be less than 3 m, only the mid-depth station will be monitored).
Dolphin	Line-transect Methods	Northeast Lantau survey area and Northwest Lantau survey area	Twice per month	--
Mudflat	Horseshoe crabs, seagrass beds, intertidal soft shore communities, sedimentation rates and water quality	San Tau and Tung Chung Bay	Once every 3 months	--

2.2 Action and Limit Levels

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

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

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

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

Table 2.3 Action and Limit Levels for Water Quality

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

Notes:

- (1) Depth-averaged is calculated by taking the arithmetic means of reading of all three depths.
- (2) For DO, non-compliance of the water quality limit occurs when monitoring result is lower 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 trigger 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 trigger 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 carried out corrective actions. 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 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 2014	AMS5	18	5 – 41	352	500
	AMS6	20	8 – 38	360	
July 2014	AMS5	16	4 - 52	352	
	AMS6	26	6 - 98	360	
August 2014	AMS5	16	3 - 47	352	
	AMS6	17	8 - 40	360	

Table 3.2 Summary of 24-hour TSP Monitoring Results 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 2014	AMS5	34	22 – 54	164	260
	AMS6	42	23 – 74	173	
July 2014	AMS5	35	17 - 66	164	
	AMS6	47	23 - 98	173	
August 2014	AMS5	22	12 - 30	164	
	AMS6	41	17 - 83	173	

- 3.2.2 For 1-hr TSP and 24-hr TSP, no Action and Limit Level exceedances were recorded at AMS 5 and AMS 6 during the reporting period.

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 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 2014	NMS5	69	67 – 71	When one documented complaint is received	75
July 2014		60	56 – 66		
August 2014		57	55 – 59		

*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.

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 During the reporting period, two Action Level exceedances of suspended solid level were recorded. Ten Action Level exceedances of dissolved oxygen level were recorded. No Limit Level exceedance of suspended solid level and dissolved oxygen level were recorded. No Action and Limit Level exceedance of turbidity was recorded.
- 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 and total number of dolphins (ANI) by the amount of survey effort for the entire quarterly period (June – August 2014).
- 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 Northwest Lantau (NWL) and Northeast (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:

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

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 2014, 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 894.40 km of survey effort was collected with 93.6% 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, 343.21 km and 551.19 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 647.96 km, while the effort on secondary lines was 246.44 km. Both survey effort conducted on primary and secondary lines were considered as on-effort survey data. 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 2014, a total of 28 groups of 96 Chinese White Dolphins were sighted. All except two dolphin sightings were made during on-effort search. Twenty on-effort sightings were made on primary lines, while another six on-effort sightings were made on secondary lines. In this quarterly period, almost all dolphin groups were sighted in NWL, with the exception of one group of four dolphins being sighted in NEL. Summary table of the dolphin sightings is shown in **Annex II of Appendix J**.

Distribution

- 3.5.13 Distribution of dolphin sightings made during monitoring surveys in June, July and August 2014 was shown in **Figure 1 of Appendix J**. In this quarter, the majority of dolphin sightings were made in the western end of the North Lantau region, with higher concentration within and adjacent to the Sha Chau and Lung Kwu Chau Marine Park (**Figure 1 of Appendix J**). Other dolphin sightings were scattered to the west and northeast of airport platform. The lone sighting made in NEL was located to the north of Yam O at the eastern end of the survey area.
- 3.5.14 Notably, none of the dolphin groups was sighted in the vicinity of the HKLR03/ HKBCF reclamation sites or along the entire alignment of Tuen Mun-Chek Lap Kok Link (TMCLKL) during this quarterly period (**Figure 1 of Appendix J**).
- 3.5.15 Sighting distribution of the present impact phase monitoring period (June to August 2014) was compared to the one during the baseline monitoring period (September to November 2011). In the present quarter, dolphins have mostly avoided the NEL region, which was in stark contrast to their frequent occurrence around the Brothers Islands and in the vicinity of HKBCF reclamation site during the baseline period (**Figure 1 of Appendix J**). The nearly abandonment of NEL region by the dolphins have been consistently recorded in the past six quarters.
- 3.5.16 On the other hand, dolphin occurrence in the northwestern portion of North Lantau region was somewhat different between the baseline and impact phase quarters. During the present impact monitoring period, there appeared to be much fewer dolphins occurred in the middle portion of North Lantau region than during the baseline period, where dolphins supposedly moved between their core areas around Lung Kwu Chau and the Brothers Islands (**Figure 1 of Appendix J**). Moreover, more dolphins were sighted between Black Point and Lung Kwu Chau during the baseline period than during the present impact monitoring period (**Figure 1 of Appendix J**). A number of dolphin sightings were made to the west of Chek Lap Kok airport (especially near the HKLR09 alignment) during the baseline period, but only two sightings were made there during the present impact phase period.
- 3.5.17 As the baseline monitoring period was in the autumn season while the present monitoring period was in the summer season, a direct comparison in dolphin distribution between the two



quarterly periods of summer months in 2013 and 2014 was also made to avoid the potential bias contributed by seasonal variation in distribution (**Figure 2 of Appendix J**).

- 3.5.18 Among the two summer periods, only one dolphin sighting was made in NEL in the summer of 2014, while there were five sightings made there in the summer of 2013. Moreover, a lot more dolphin sightings were made in the middle and western portions of North Lantau waters (especially near Black Point, Pillar Point, to the north of airport platform and near the HKLR09 alignment) in the summer of 2013 than in the summer of 2014.

Encounter Rate

- 3.5.19 For the three-month study period in June, July and August 2014, 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) from each of the survey areas 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 in September to November 2011 (See **Table 3.5**).

Table 3.4 Dolphin Encounter Rates (Sightings Per 100 km of Survey Effort) During three Reporting Period (June – August 2014)

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 (3 & 5 Jun 2014)	0.00	0.00
	Set 2 (10 & 16 Jun 2014)	0.00	0.00
	Set 3 (3, 9 & 10 Jul 2014)	2.54	10.16
	Set 4 (14 & 21 Jul 2014)	0.00	0.00
	Set 5 (5 & 6 Aug 2014)	0.00	0.00
	Set 6 (15 & 19 Aug 2014)	0.00	0.00
Northwest Lantau	Set 1 (3 & 5 Jun 2014)	1.67	5.00
	Set 2 (10 & 16 Jun 2014)	0.00	0.00
	Set 3 (3, 9 & 10 Jul 2014)	3.03	10.61
	Set 4 (14 & 21 Jul 2014)	8.40	26.60
	Set 5 (5 & 6 Aug 2014)	5.63	22.52
	Set 6 (15 & 19 Aug 2014)	9.70	40.40

Table 3.5 Comparison of Average Dolphin Encounter Rates between Reporting Period (June – August 2014) and Baseline Monitoring Period (Sep – Nov 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	0.42 ± 1.04	6.00 ± 5.05	1.69 ± 4.15	22.19 ± 26.81
Northwest Lantau	4.74 ± 3.84	9.85 ± 5.85	17.52 ± 15.12	44.66 ± 29.85



Note:

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)

- 3.5.20 To facilitate the comparison with the AFCD long-term monitoring results, the encounter rates were also calculated for the present quarter using both primary and secondary survey effort. The encounter rates of sightings (STG) and dolphins (ANI) in NWL were 5.04 sightings and 17.54 dolphins per 100 km of survey effort respectively, while the encounter rates of sightings (STG) and dolphins (ANI) in NEL were 0.29 sightings and 1.17 dolphins per 100 km of survey effort respectively.
- 3.5.21 In NEL, the average dolphin encounter rates (both STG and ANI) in the present three-month impact monitoring period was only a small fraction of the baseline value (i.e. less than 10%), and such low occurrence of dolphins in NEL have been consistently recorded in the past six quarters (**Table 3.6**).
- 3.5.22 It is a serious concern that dolphin occurrence in NEL in the past six quarters (0.0-1.0 for ER(STG) and 0.0-3.9 for ER(ANI)) have been exceptionally low when compared to the baseline period (**Table 3.6**). In fact, the present quarter was the seventh consecutive quarters being accessed that have triggered the Action Level under the Event and Action Plan. As discussed recently in Hung (2014), the dramatic decline in dolphin usage of NEL waters in 2012 and 2013 (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 in 2012.
- 3.5.23 Moreover, the average dolphin encounter rates (STG and ANI) in NWL during the present impact phase monitoring period were also much lower (reductions of 52% and 61% respectively) than the ones recorded in the 3-month baseline period, indicating a noticeable decline in dolphin usage of this survey area during the present construction period. In fact, both dolphin encounter rates in summer 2014 have dropped to the lowest since the commencement of the HKLR03 dolphin monitoring (**Table 3.7**).

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)

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

Note:

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.



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)

	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

Note: 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.

- 3.5.24 A two-way ANOVA with repeated measures and unequal sample size was conducted to examine whether there were any significant differences in the average encounter rates between the baseline and impact monitoring periods. The two variables that were examined included the two periods (baseline and impact phases) and two locations (NEL and NWL).
- 3.5.25 For the comparison between the baseline period and the present quarter (seventh quarter of the impact phase being assessed), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0199 and 0.0597 respectively. If the alpha value is set at 0.1, significant difference was detected between the baseline and present quarters in both dolphin encounter rates of STG and ANI.
- 3.5.26 For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first seven quarters of the impact phase being assessed), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0037 and 0.0013 respectively. Even if the alpha value is set at 0.01, significant differences were detected in both the average dolphin encounter rates of STG and ANI (i.e. between the two periods and the locations).
- 3.5.27 As indicated in both dolphin distribution patterns and encounter rates, dolphin usage has been significantly reduced in NEL waters (especially around the Brothers Islands and Shum Shui Kok) in the present quarterly period, and such low occurrence has been consistently documented in previous quarters. This raises serious concern, as the decline in dolphin usage could possibly link to the HZMB-related construction activities in NEL waters, which include the 150 hectares of habitat loss due to HKBCF reclamation, 23 hectares of habitat loss due to HKLR03 reclamation, as well as the recently commenced TMCLKL construction that involves intensive bored piling activities for the southern viaduct and further reclamation of 16.5 hectares for the northern landfill.

- 3.5.28 During the present quarter, all dolphin protective measures are fully and properly implemented in accordance with the EM&A Manual. 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 anchorage site at Sham Shui Kok as far as practicable. With these implemented measures in place, disturbance to the dolphins have been minimized by the Contractor as far as practicable. This would create the opportunity for dolphins' continuous usage of NEL waters, where a future marine park around the Brothers Islands will be established in this important dolphin habitat as a compensation measure for the habitat loss resulted from the HKBCF reclamation works. Unless such declining trend can be reverted after the establishment of the Brothers Islands Marine Park, there should be a presumption against further reclamation in North Lantau waters as suggested in Hung (2013, 2014).
- 3.5.29 It should be noted that dolphin usage in NWL have also been greatly diminished progressively in the past few quarters (**Table 3.7**), and such trend should be continuously monitored, as the potential impacts of HZMB-related works on the dolphins may have been extended to the entire North Lantau region.

Group Size

- 3.5.30 Group size of Chinese White Dolphins ranged from one to eight individuals per group in North Lantau region during June – August 2014. 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 (June – August 2014) and Baseline Monitoring Period (Sep– Nov 2011)

	Average Dolphin Group Size	
	Reporting Period	Baseline Monitoring Period
Overall	3.43 ± 1.95 (n = 28)	3.72 ± 3.13 (n = 66)
Northeast Lantau	4.00 ± 0.00 (n = 1)	3.18 ± 2.16 (n = 17)
Northwest Lantau	3.41 ± 1.99 (n = 27)	3.92 ± 3.40 (n = 49)

- 3.5.31 The average dolphin group sizes in the entire North Lantau region as well as in NWL waters during June – August 2014 were lower than the ones recorded during the three-month baseline period (**Table 3.8**). In fact, 17 of the 28 groups were composed of 1-3 individuals only, while no dolphin group was composed of more than 10 individuals.
- 3.5.32 Distribution of dolphins with larger group sizes (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 of 2014, distribution of all larger dolphin groups were concentrated within and around the Sha Chau and Lung Kwu Chau Marine Park (**Figure 3 of Appendix J**). This distribution pattern was quite different from the baseline period, when the larger dolphin groups were distributed more evenly in NWL waters with a few more sighted in NEL waters (**Figure 3 of Appendix J**). Notably none of the larger dolphin groups were sighted near the HKLR03 reclamation site in the present monitoring period (**Figure 3 of Appendix J**).
- 3.5.33 Notably none of the larger dolphin groups were sighted near the HKLR03 reclamation site in the present monitoring period (**Figure 3 of Appendix J**).

Habitat Use

- 3.5.34 From June to August 2014, the most heavily utilized habitats by Chinese White Dolphins mainly concentrated within and around the marine park area (**Figures 4a and 4b of Appendix J**). Only one grid in NEL recorded the presence of dolphins. Moreover, all grids near

HKLR03/HKBCF reclamation sites, HKLR09 or TMCLKL alignment did not record any presence of dolphins during on-effort search in the present quarterly period.

- 3.5.35 However, it should be emphasized that the amount of survey effort collected in each grid during the three-month period was fairly low (6-12 units of survey effort for most grids), and therefore the habitat use pattern derived from the three-month dataset should be treated with caution. A more complete picture of dolphin habitat use pattern will be presented when more survey effort for each grid will be collected throughout the impact phase monitoring programme.
- 3.5.36 When compared with the habitat use patterns during the baseline period, dolphin usage in NEL was dramatically different from the present impact monitoring period (**Figure 5 of Appendix J**). During the baseline period, nine grids between Siu Mo To and Shum Shui Kok recorded moderately high to high dolphin densities, which was in stark contrast to the very rare occurrence of dolphins during the present impact phase period (**Figure 5 of Appendix J**).
- 3.5.37 The density patterns between the baseline and impact phase monitoring periods were also different in NWL, with higher dolphin usage near Black Point, as well as between Pillar Point and airport platform during the baseline period (**Figure 5 of Appendix J**).
- 3.5.38 The absence of dolphins in the identified important habitats around the Brothers Islands and Shum Shui Kok in consecutive quarters in 2013-14 is of serious concern. The future Brothers Islands Marine Park will be established in this area upon the completion of HKBCF reclamation works, as an important compensation measure for the associated habitat loss. As suggested recently in Hung (2014), such low usage of dolphins in this important habitat in the past two years was likely related to the on-going HZMB-related construction works. Continuous monitoring of such diminished use should be continued in this important dolphin habitat in the upcoming quarters.

Mother-calf Pairs

- 3.5.39 During the three-month study period, only three unspotted juveniles (UJ) were sighted in NWL survey areas. These young calves comprised of 3.1% of all animals sighted, which was much lower than the percentage recorded during the baseline monitoring period (6.8%).
- 3.5.40 The few young calves were found near Lung Kwu Chau, Sha Chau and Shum Wat (**Figure 6 of Appendix J**), which was very different from their distribution pattern during the baseline period when young calves were sighted throughout the NWL survey area as well as a few sighted in NEL waters. None of these young calves were sighted in the vicinity of the HKBCF/HKLR03 reclamation sites and HKLR09/TMCLKL alignments during the present quarter (**Figure 6 of Appendix J**).

Activities and Associations with Fishing Boats

- 3.5.41 A total of four dolphin sightings were associated with socializing and traveling activities during the three-month study period. Notably, no feeding activity of dolphin was observed during the present quarter, which was in contrast to the relatively high percentage of feeding activities recorded during the baseline period (11.6%). On the contrary, the percentage of socializing activities during the present impact phase monitoring period (7.1%) was slightly higher than the one recorded during the baseline period (5.4%).
- 3.5.42 Distribution of dolphins engaged in socializing and traveling activities during the present three-month period is shown in **Figure 7 of Appendix J**. The two sightings associated with socializing activities occurred near Sha Chau, while the two sightings associated with traveling activities were found adjacent to Lung Kwu (**Figure 7 of Appendix J**). Distribution of dolphin sightings associated with these activities during the impact phase was drastically different from the distribution pattern of these activities during the baseline period (**Figure 7 of Appendix J**).
- 3.5.43 During the three-month period, none of the 28 dolphin groups was found to be associated with an operating fishing vessels in North Lantau waters. The rare events of fishing boat

association in the present and previous quarters were consistently found, and were likely related to the recent trawl ban being implemented in December 2012 in Hong Kong waters.

Photo-identification and Individual Range Use

- 3.5.44 From June to August 2014, over 2,000 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the photo-identification work.
- 3.5.45 In total, 32 individuals sighted 44 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 except four of these re-sightings were made in NWL. Four individuals (NL123, NL139, NL261 and NL285) were sighted once during the lone sighting made in NEL in the present quarter.
- 3.5.46 Almost all identified individuals were sighted only once or twice during the three-month period, with the exception of one individual (NL272) being sighted thrice.
- 3.5.47 Notably 11 of these 32 individuals were also sighted in West Lantau waters during the HKLR09 monitoring surveys during the same three-month period, showing their extensive movement between North and West Lantau regions. In particular, two individuals (NL139 and NL261) were sighted in both NEL and WL during the same quarter.
- 3.5.48 Six well-recognized females (NL93, NL104, NL123, NL145, NL202 and WL124) were accompanied with their calves during their re-sightings. Most of these mothers were frequently sighted with their calves throughout the HKLR03 impact phase monitoring period since October 2012.

Individual range use

- 3.5.49 Ranging patterns of the 32 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in **Annex V of Appendix J**.
- 3.5.50 With the exception of a few individuals, most identified dolphins sighted in this quarter were utilizing their range use in NWL (and some also in WL), but have avoided the 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 during the baseline period.
- 3.5.51 For many individuals that have previously utilized the Brothers Islands as their major core area of activities, they have apparently shifted their range use away from this important habitat (e.g. NL93, NL123, NL136, NL261; **Annex V of Appendix J**). Such shifts of range use and core area use were also documented by Hung (2014) as well as in the past monitoring quarters in 2013 and 2014 under the present study.
- 3.5.52 The diminished or abandoned usage of NEL waters by a large number of individual dolphins coincided well with the noticeable decline in dolphin occurrence in NEL as discussed in Sections 3.5.13 to 3.5.27. This is of serious concern, as the Brothers Islands in NEL was once identified an important habitat for many year-round residents that focused their core area use there (Hung 2008, 2013). Therefore, the ranging pattern of individual dolphins should be continuously monitored around Lantau waters, and measures should be taken to ensure that dolphins will continue to move between NWL and NEL without any hindrance as a result of the HZMB-related construction works.
- 3.5.53 On the other hand, there were a number of individuals sighted in NWL and NEL waters consistently in the past, but have extended their range use to WL waters in the present quarter (e.g. CH34, NL46, NL136, NL139, NL261; **Annex V of Appendix J**). It should be further monitored to examine whether there has been any consistent shifts of home ranges of individuals from North Lantau to West Lantau, which could also possibly be related to the HZMB-related construction works.

Action Level / Limit Level Exceedance

- 3.5.54 There were two Action Level exceedances of dolphin monitoring for the quarterly monitoring data (June – August 2014). According to the contractor’s information, the marine activities undertaken for HKLR03 during the quarter of June 2014 to August 2014 included stone platform construction, reclamation, stone column installation, band drain installation, excavation of stone platform, surcharge activities, construction of seawall and temporary drainage diversion. There is no evidence showing the current AL non-compliances directly related to the construction works of HKLR03, 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. 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.
- 3.5.55 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 (seventh quarter of the impact phase being assessed), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0199 and 0.0597 respectively. If the alpha value is set at 0.1, significant difference was detected between the baseline and present quarters in both encounter rates of STG and ANI.
- 3.5.57 For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first seven quarters of the impact phase being assessed), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0037 and 0.0013 respectively. Even if the alpha value is set at 0.01, significant difference was 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 2014 has been reviewed by the dolphin specialist, and no dolphin was sighted from 173.90 km of survey effort on primary lines in NEL during the same quarter (a lone dolphin was sighted in NEL off-effort though during AFCD monitoring survey in August 2014). This review has confirmed that the very low occurrence of dolphins reported by the HKLR03 monitoring survey in summer 2014 in NEL is accurate.
- 3.5.59 There is no evidence showing that the sources of impact directly related to the construction works of HKLR03 that may have affected the dolphin usage in the NEL region.
- 3.5.60 All dolphin protective measures are fully and properly implemented in accordance with the EM&A Manual. 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.

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 25 June 2014. The mudflat surface levels at the four established monitoring stations and the corresponding XYZ HK1980 GRID coordinates are presented in **Table 3.8** and **Table 3.9**.

Table 3.8 Measured Mudflat Surface Level Results

Monitoring Station	Baseline Monitoring (September 2012)			Impact Monitoring (June 2014)		
	Easting (m)	Northing (m)	Surface Level (mPD)	Easting (m)	Northing (m)	Surface Level (mPD)
S1	810291.160	816678.727	0.950	810291.158	816678.724	1.003
S2	810958.272	815831.531	0.864	810958.292	815831.548	0.951
S3	810716.585	815953.308	1.341	810716.591	815953.335	1.449
S4	811221.433	816151.381	0.931	811221.436	816151.390	1.031

Table 3.9 Comparison of measurement

Monitoring Station	Comparison of measurement			Remarks and Recommendation
	Easting (m)	Northing (m)	Surface Level (mPD)	
S1	-0.002	-0.003	0.053	Within tolerance, no significant change
S2	0.020	0.017	0.087	Level continuously increased
S3	0.005	0.027	0.078	Level continuously increased
S4	0.003	0.009	0.100	Level continuously increased

3.6.2 This measurement result was generally and relatively higher than the baseline measurement at S2, S3 and S4. The mudflat level is continuously increased. For S1 showed that the level has increased within tolerance and their sea bed depth would not be considered as significant change.

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 2014. 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 3.10 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)
02-Jun-14	9.26	3.5	3.95	8.67	1.9	3.15
04-Jun-14	7.74	3.25	3.30	7.70	1.30	3.45
06-Jun-14	8.63	3.15	4.10	8.46	2.05	4.25
09-Jun-14	6.29	1.90	4.00	5.89	4.40	6.50
11-Jun-14	5.92	1.55	6.05	5.74	4.60	6.55
13-Jun-14	8.09	4.25	5.15	8.18	9.90	6.75
16-Jun-14	5.72	5.80	3.35	5.55	4.15	5.75
18-Jun-14	6.85	4.75	3.00	6.41	2.85	3.50
20-Jun-14	8.04	6.90	5.90	7.11	5.60	4.35
23-Jun-14	5.71	8.45	4.90	6.22	8.20	5.80
25-Jun-14	5.72	4.60	3.80	6.16	6.05	3.15
27-Jun-14	5.64	7.05	3.80	5.91	18.65	3.95
30-Jun-14	5.78	5.80	3.90	5.51	5.15	4.55
Average	6.87	4.69	4.25	6.73	5.75	4.75

Mudflat Ecology Monitoring

Sampling Zone

- 3.6.6 There are two survey areas specified under the updated EM&A Manual for the Contract, namely Tung Chung Bay and San Tau. Tung Chung Bay survey area is divided into three sampling zones (TC1, TC2 and TC3) and there is one sampling zone at San Tau (ST). Survey of horseshoe crabs, seagrass beds and intertidal communities were conducted in each sampling zone. The present survey was conducted in June 2014 (totally 6 sampling days between 1st and 16th June 2014). The locations of sampling zones are shown in **Annex I of Appendix O**.

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 in 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 13th (for TC3 and ST) and 16th (for TC1 and TC2) June 2014. The weather was sunny and hot on both survey days.

Seagrass Beds

- 3.6.8 An active search method was conducted for seagrass bed monitoring by two experienced surveyors in every sampling zone. During the search period, any accessible and potential area would be investigated for any seagrass beds within 2-3 hours of low tide period. Once seagrass bed was found, the species, estimated area, estimated coverage percentage and respective GPS coordinate were recorded. A photographic record was taken for future

investigation. The seagrass beds surveys were conducted on 13th (for TC3 and ST) and 16th (for TC1 and TC2) June 2014. The weather was sunny and hot on both survey days.

Intertidal Soft Shore Communities

- 3.6.9 The intertidal soft shore community surveys were conducted in low tide period on 1st (for ST), 2nd (for TC3), 14th (for TC2) and 15th June 2014 (for TC1). At each sampling zone, three 100 m horizontal transects 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, 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 was 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 ith species.

Mudflat Ecology Monitoring Results and Conclusion

Horseshoe Crabs

- 3.6.14 **Table 3.1 and Figure 3.1 of Appendix O** shows the records of horseshoe crab survey at every sampling zone. In general, *Carcinoscorpius rotundicauda* was found in all sampling zones (TC1: 24 ind., TC2: 1 ind., TC3: 22 ind., ST: 30 ind.) while *Tachypleus tridentatus* was found in sampling zones TC3 (11 ind.) and ST (44 ind.) only. All individuals were found on either fine sand or soft mud substratum. Grouping was observed from both species while the group size ranged 2-8 individuals.
- 3.6.15 **Table 3.2 of Appendix O** summarizes the survey results of horseshoe crab at every sampling zone. For *Carcinoscorpius rotundicauda*, the search records were 6.0 ind. hr⁻¹ person⁻¹ (mean prosomal width: 46.96 mm), 0.3 ind. hr⁻¹ person⁻¹ (36.19 mm), 5.5 ind. hr⁻¹ person⁻¹ (28.46 mm), 5.0 ind. hr⁻¹ person⁻¹ (52.47 mm) at TC1, TC2, TC3 and ST respectively. According to Li (2008), the prosomal width of recorded individuals ranged 10.67–84.84 mm that was about 1.6-9.8 years old. For *Tachypleus tridentatus*, the search record was 2.8 ind. hr⁻¹ person⁻¹ (43.75 mm) and 7.3 ind. hr⁻¹ person⁻¹ (51.57 mm) at TC3 and ST respectively. The prosomal width of recorded individuals ranged 28.14–73.08 mm that was about 3.6–8.5 years old.
- 3.6.16 Besides, 18 and 3 marked individuals of *Tachypleus tridentatus* had been recorded in previous surveys conducted in Sep. 2013 and Mar. 2014 respectively. 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.
- 3.6.17 The artificial bred individuals were 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 in the past one year. The artificially released individuals were no longer distinguishable from the natural population without the specific chip sensor. No marked individual was found in this survey. Hence the survey data collected would possibly cover both natural population and artificially bred individuals.
- 3.6.18 **Figure 3.2 and 3.3 of Appendix O** shows the changes of number of individuals, mean prosomal width and search record of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* respectively in every sampling zone along the sampling months. In general, higher search records (i.e. number of individuals) of both species were always found in ST in active season. In contrast, much lower search record was found in other sampling zones especially TC2 (2 ind. in Sep. 2013, 1 ind. in Mar. 2014 and 1 ind. in Jun. 2014 only). There was no spatial difference of horseshoe crab size (prosomal width) among the sampling zones.
- 3.6.19 It was obvious that ST 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 suitable for nursery of horseshoe crab especially TC2. Possible factors were less area of suitable substratum (especially TC1) and higher human disturbance (TC1, TC2 and TC3: 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 found in TC1, TC2 and TC3 were believed foraging from the ST during high tide while it might return to ST over a certain period of time. It accounted for the variable search records in the three sampling zones along the sampling months. For example, few individuals of *Tachypleus tridentatus* were found in TC1 only between Sep. 2012 and Sep. 2013. However it no longer appeared while individuals of *Carcinoscorpius rotundicauda* were found after Mar. 2014.
- 3.6.20 During the survey period from Sep. 2012 to Jun 2014, the search record of horseshoe crab declined obviously during dry season especially December (**Figures 3.2 and 3.3 of Appendix O**). Furthermore no individual was found in Dec. 2013. As mentioned, 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 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.
- 3.6.21 Between the sampling months Sep. 2012 and Dec. 2013, *Carcinoscorpius rotundicauda* was a less common species relative to *Tachypleus tridentatus*. Only 4 individuals were ever recorded in ST in Dec. 2012. This species had been believed of very low density in ST hence the encounter rate was very low. Until Mar. 2014, it was found in all sampling zones with higher abundance in ST. Based on its average size (mean prosomal width 39.28-49.81 mm), it indicated that breeding and spawning of this species had occurred 3-4 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. In this survey (Jun. 2014), more individuals were recorded due to larger size (mean prosomal width 28.46-52.47 mm) and higher activity.
- 3.6.22 For *Tachypleus tridentatus*, sharp increase of number of individuals was recorded in ST with wet season (from Mar. 2013 (15 ind.), Jun. 2013 (59 ind.) to Sep. 2013 (94 ind.)). 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. Similar pattern might be recorded in this year of survey.

3.6.23 **Figure 3.4 of Appendix O** shows the changes of prosomal width of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* in ST where was regarded as an important nursery ground. As mentioned above, *Carcinoscorpius rotundicauda* was rarely found between Sep. 2012 and Dec. 2013 hence the data were limiting. From Mar. to Jun. 2014, the size of major population (50% records between upper and lower quartile) increased clearly. The prosomal width increased from 30-40 mm to 45-60 mm. For *Tachypleus tridentatus*, a consistent growing trend was observed for the major population from Dec. 2012 to Jun. 2014. The prosomal width increased from 10-20 mm to 40-60 mm.

The present survey was the seventh time of sampling 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 warm weather, large number of dead individuals on the shore) is observed, it would be reported as soon as possible.

Seagrass Beds

3.6.24 **Table 3.3 of Appendix O** show the records of seagrass beds survey at every sampling zone. Two species of seagrass *Halophila ovalis* and *Zostera japonica* were recorded in ST only. In general the number of patches and area of *Halophila ovalis* were obviously higher (**Table 3.4 of Appendix O**). For *Halophila ovalis*, the area of highest density consisted of one large and one medium patches on sandy substratum beside the mangrove vegetation at tidal level 2 m above C.D. (**Figure 3.5(A) of Appendix O**). The estimated total seagrass area was about 469.7 m² with vegetation coverage 70-90% and smaller leaves. Dry season was its reproductive period while flowers could be observed in Dec. (**Figure 3.6 of Appendix O**).

3.6.25 Since Sep. 2013, seasonal recruitment and spreading of *Halophila ovalis* were occurring in ST. Numerous small patches were found on soft mud at tidal level between 0.5 m and 1.5 m above C.D.. In Mar. 2014, 31 small to medium patches were recorded (variable area 1-72 m² per patch, vegetation coverage 40-80% per patch). In Jun. 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 (**Figure 3.5(B) of Appendix O**). It was generally grouped into 4 large areas (1116.3 – 2442.6 m²) of seagrass beds characterized of patchy distribution, variable vegetable coverage (40-80%) and smaller leaves.

3.6.26 Four small patches of *Zostera japonica* were found within the long strand of *Halophila ovalis*. (**Figure 3.5 of Appendix O**). The estimated area ranged 0.5-25.7 m² while the estimated coverage was about 40-85%.

3.6.27 **Figure 3.7 of Appendix O** shows the changes of estimated total area of seagrass beds at ST along the sampling months. For *Halophila ovalis*, the total area and estimated coverage increased gradually from Sep. 2012 to Mar. 2014. It showed that the seagrass was in scattered patches on the shore during dry season of 2012. Then it grew larger and became numerous patches of varying sizes during 2013. Until Jun. 2014, the total seagrass bed area increased sharply due to merging of the patches. However the vegetation was in patchy distribution with highly variable coverage. It was still doubt that these patches would survive from the natural heat stress, grazing and storm in the coming hottest period (Jun to Sep 2014).

3.6.28 For *Zostera japonica*, it was not recorded in the 1st and 2nd surveys of monitoring programme. Seasonal recruitment of few patches was found in Mar. 2013. Then the patch size increased and merged gradually with the warmer climate from Mar. to Jun. 2013. However the patch size decreased sharply and remained similar from Sep. 2013 to Mar. 2014. Until Jun. 2014, the patch size increased obviously again with warmer climate.

3.6.29 The present survey was the seventh time of sampling of the EM&A programme during the construction period. Based on the results, impacts of the HKLR project could not be detected

on seagrass considering the factor of natural, seasonal variation. In case, abnormal phenomenon (e.g. rapid reduction of seagrass patch size, abnormal change of leave colour) is observed, it would be reported as soon as possible.

Intertidal Soft Shore Communities

- 3.6.30 **Table 3.5 and Figure 3.8 of Appendix O** show the types of substratum along the horizontal transect at every tidal level of 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.
- 3.6.31 The distribution of substratum types varied among tidal levels and sampling zones. At TC1, even distribution (50%) of 'Gravels and Boulders' and 'Sands' was recorded at high tidal level. High percentage of 'Gravels and Boulders' (90%) was recorded at mid tidal level. Higher percentage of 'Soft mud' (60%) were recorded at low tidal level followed by 'Sands' (20%) and 'Soft mud' (20%). At TC2, 60% 'Sands' and 30% 'Soft mud' were recorded at high tidal level. Higher percentage of 'Soft mud' (40-70%) were recorded at mid and low tidal levels followed by 'Sands' (30%). At TC3, 'Sands' (100%) was recorded only at high tidal level. 'Sands' (60%) and 'Soft mud' (40%) were recorded only at mid tidal level. 'Gravels and Boulders' was the major substratum type (80%) at low tidal level. At ST, Gravels and Boulders' (100%) was the major substratum at high and mid tidal levels. 'Soft mud' (60%) was mainly recorded at low tidal level followed by 'Sands' (20%) and 'Gravels and Boulders' (20%).
- 3.6.32 There was neither consistent vertical nor horizontal zonation pattern of substratum type all sampling zones. In general, 'Gravels and Boulders' and 'Sands' were usually observed at high and mid tidal levels. However 'Soft mud' was mainly observed at low tidal level. Such heterogeneous variation should be caused by different hydrology (e.g. wave in different direction and intensity) received by the four sampling zones.
- 3.6.33 **Table 3.6 of Appendix O** lists the total abundance, density and number of taxon of every phylum in the present survey. A total of 17896 individuals were recorded. Mollusks were significantly the most abundant phylum (total individuals 17439, density 581 ind. m⁻², relative abundance 97.4%). The second abundant group was arthropods (210 ind., 7 ind. m⁻², 1.2%). The third abundant group was annelids (160 ind., 5 ind. m⁻², 0.9%). Relatively other phyla were very low in abundances (≤ 1 ind. m⁻², relative abundance $\leq 0.2\%$). Moreover, the most diverse phylum was mollusks (45 taxa) followed by arthropods (15 taxa) and annelids (11 taxa). The taxa of other phyla were relatively less (1-2 taxa). The complete list of collected specimens is provided in **Annex III of Appendix O**.
- 3.6.34 **Table 3.7 of Appendix O** shows the number of individual, relative abundance and density of each phylum at every sampling zone. The results were similar among the four sampling zones. In general, mollusks were the most dominant phylum (no. of individuals: 3191-6625 ind., relative abundance 95.1-98.7%). For TC1, TC3 and ST, arthropods were the second abundant phylum (27-58 ind., 0.7-1.4%) although the number of individuals was significantly lower than that of mollusks. Annelids were the third abundant phylum (14-39 ind., 0.4-1.0%). For TC2, annelids (76 ind., 2.3%) and arthropods (74 ind., 2.2%) were similar in abundances. Relatively, other phyla were low in abundance among the four sampling zones (< 1%).
- 3.6.35 **Table 3.8 of Appendix O** lists the abundant species (relative abundance >10%) in every sampling zone. In TC1, gastropod *Batillaria multiformis* was clearly abundant (321-323 ind. m⁻², relative abundance 49-63%) at high and mid tidal levels (major substrata: 'Gravels and Boulders' & 'Sands') while other taxa were less in densities. Gastropod *Cerithidea cingulata* (79 ind. m⁻², 15%) was the second abundant taxon at high tidal level. Gastropods *Cerithidea djadjariensis* (110 ind. m⁻², 17%) and *Monodonta labio* (74 ind. m⁻², 11%) were the second and third abundant taxa respectively at mid tidal level. At low tidal level (major substratum: 'Soft mud'), gastropods *Batillaria zonalis* (75 ind. m⁻², 17%), *Cerithidea djadjariensis* (64 ind. m⁻², 15%) and rock oyster *Saccostrea cucullata* (68 ind. m⁻², 16%, attached on boulders) were even and moderately abundant at low tidal levels.



- 3.6.36 At TC2, gastropods *Cerithidea djadjariensis* (363 ind. m⁻², 52%) and *Cerithidea cingulata* (210 ind. m⁻², 30%) were highly abundant at high tidal level (major substratum: 'Sands'). At mid and low tidal levels (major substrata: 'Soft mud' & 'Sands'), gastropod *Cerithidea djadjariensis* was still the most abundant taxon but the mean densities were much lower (126-135 ind. m⁻², 32-53%). Rock oyster *Saccostrea cucullata* was the second abundant taxon (72 ind. m⁻², 18% attached on boulders) at mid tidal level. Gastropod *Batillaria zonalis* were relatively less in densities (41-44 ind. m⁻², 10-18%) at mid and low tidal levels.
- 3.6.37 At TC3, gastropod *Batillaria multiformis* was highly abundant (810 ind. m⁻², 62%) at high tidal level (major substratum: 'Sands') followed by less abundant gastropods *Cerithidea djadjariensis* (302 ind. m⁻², 23%) and *Cerithidea cingulata* (144 ind. m⁻², 11%). At mid tidal level (major substrata: 'Sands' & 'Soft mud'), the density of gastropod *Batillaria multiformis* declined sharply (62 ind. m⁻², 10%) and became the third abundant taxon. The gastropods *Cerithidea djadjariensis* (284 ind. m⁻², 47%) and *Cerithidea cingulata* (172 ind. m⁻², 29%) became the first and second abundant taxa although their densities were similar. At low tidal level (major substratum: 'Gravels and Boulders'), rock oyster *Saccostrea cucullata* (212 ind. m⁻², 27%) and gastropod *Batillaria multiformis* (206 ind. m⁻², 27%) were more abundant followed by gastropod *Monodonta labio* (168 ind. m⁻², 22%).
- 3.6.38 At ST, gastropod *Batillaria multiformis* was highly abundant (332 ind. m⁻², 50%) at high tidal level (major substratum: 'Gravels and Boulders') followed by much less abundant gastropod *Monodonta labio* (83 ind. m⁻², 12%) and rock oyster *Saccostrea cucullata* (77 ind. m⁻², 12%). At mid tidal level (major substratum: 'Gravels and Boulders'), gastropod *Monodonta labio* (134 ind. m⁻², 21%) and rock oyster *Saccostrea cucullata* (131 ind. m⁻², 21%) were higher in abundances. Other less abundant taxa were gastropods *Batillaria multiformis* (97 ind. m⁻², 15%) and *Cellana toreuma* (88 ind. m⁻², 14%). At low tidal level (major substratum: 'Soft mud'), gastropods *Cerithidea djadjariensis* (55 ind. m⁻², 23%), *Batillaria zonalis* (51 ind. m⁻², 22%), *Batillaria bornii* (25 ind. m⁻², 11%) and rock oyster *Saccostrea cucullata* (43 ind. m⁻², 18%, attached on boulders) were abundant taxa at lower densities relative to that at high and mid tidal levels.
- 3.6.39 There was no consistent zonation pattern of species distribution observed across all sampling zones and tidal levels. The species distribution should be affected by the type of substratum primarily. In general, gastropods *Batillaria multiformis* (total number of individuals: 5665 ind., relative abundance 31.7%), *Cerithidea djadjariensis* (4013 ind., 22.4%) and *Cerithidea cingulata* (1831 ind., 10.2%) were the most commonly occurring species on sandy substratum. Moreover rock oyster *Saccostrea cucullata* (1827 ind., 10.2%) and gastropod *Monodonta labio* (1374 ind., 7.7%) were commonly occurring species inhabiting gravel and boulders substratum.
- 3.6.40 **Table 3.9 of Appendix O** shows the mean values of number of species, density, biodiversity index *H'* and species evenness *J* of soft shore communities at every tidal level and in every sampling zone. Among the sampling zones, the mean number of species was similar (9-14 spp. 0.25 m⁻²). The mean densities in TC3 (600-1309 ind. m⁻²) was higher than that in TC1 (431-655 ind. m⁻²), ST (236-665 ind. m⁻²) and TC2 (253-692 ind. m⁻²). The mean *H'* (1.60) and *J* (0.66) in ST were relatively higher than that in TC1, TC2 and TC3 (*H'*: 1.22-1.39, *J*: 0.55-0.62).
- 3.6.41 Across the tidal levels, there was no difference for the mean number of species. Higher mean densities were found at high and mid tidal levels. Higher *H'* and *J* were observed at mid and low tidal levels in TC1, TC2 and TC3. But both values were higher at high and mid tidal levels in ST.
- 3.6.42 **Figure 3.9 to 3.12 of Appendix O** show the temporal changes of mean number of species, mean density, *H'* and *J* at every tidal level and in every sampling zone along the sampling months. No significant temporal change of any biological parameters was observed. All the parameters were under slight and natural fluctuation with the seasonal variation.
- 3.6.43 The present survey was the seventh 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. large reduction 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 Practise 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 followed:

Air Quality

4.1.2 For air quality, there were no Action and Limit Level exceedances for 1-hr TSP and 24-hr TSP during the reporting period.

Noise

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

Water Quality

4.1.4 During the reporting period, two Action Level exceedances of suspended solid level were recorded. Ten Action Level exceedances of dissolved oxygen level were recorded. No Action and Limit Level exceedance of turbidity was recorded. There were no specific activities recorded during the monitoring period that would cause any significant impacts on monitoring results and no leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise. Therefore, all exceedances were considered as non-contract related. The detailed numbers of exceedances recorded during the reporting period at each impact station are summarised in **Table 4.1**.

Dolphin

4.1.5 There were two Action Level exceedances of dolphin monitoring for the quarterly monitoring data (June – August 2014). According to the contractor's information, the marine activities undertaken for HKLR03 during the quarter of June 2014 to August 2014 included stone platform construction, reclamation, stone column installation, band drain installation, excavation of stone platform, surcharge activities, construction of seawall and temporary drainage diversion.

4.1.6 There is no evidence showing the current AL non-compliances directly related to the construction works of HKLR03, 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. In addition, the contractor will implement proactive mitigation measures such as avoiding anchoring at Marine Department's designated anchorage site – Sham Shui Kok Anchorage (near Brothers Island) as far as practicable.

4.1.7 All dolphin protective measures are fully and properly implemented in accordance with the EM&A Manual. The Contractor will continue to provide training to 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.

Table 4.1 Summary of Water Quality Exceedances

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total Number of Exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
IS5	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS(Mf)6	Action Level	--	9 July 2014	--	--	--	--	11 Aug 2014	--	1	1
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS7	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS8	Action Level	--	27 June 2014	--	--	--	--	--	--	0	1
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS(Mf)9	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
IS10	Action Level	15 Aug 2014	15 Aug 2014	15 Aug 2014	15 Aug 2014	--	--	--	--	2	2
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR3	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR4	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR5	Action Level	15 Aug 2014	15 Aug 2014	15 Aug 2014	15 Aug 2014	--	--	--	13 Aug 2014	2	3
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR10A	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
SR10B	Action Level	--	--	--	--	--	--	--	--	0	0
	Limit Level	--	--	--	--	--	--	--	--	0	0
Total	Action	2	4	2	2	0	0	1	1	12**	
	Limit	0	0	0	0	0	0	0	0	0**	

Notes:
S: Surface;
M: Mid-depth;
** The total exceedances.



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

- 4.2.1 There were no environmental complaints received during this reporting period. The details of cumulative statistics of environmental complaints are provided in **Appendix N**.
- 4.2.2 No notification of summons and prosecution was received during the reporting period.
- 4.2.3 Statistics on notifications of summons and successful prosecutions are summarized in **Appendix M**.

5 COMMENTS, RECOMMENDATIONS AND CONCLUSION

5.1 Comments

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

- The Contractor was reminded to provide vehicle washing bay at site exits of S8/S9.
- The Contractor was reminded to provide an impervious cover when piling at S11.
- The Contractor was reminded to clean the oily films at S11.
- The Contractor was reminded to provide water spray regularly on the haul road/unpaved road at S15 and S25.
- The Contractor was reminded to provide water spray to breaking activity at N1.
- The Contractor was reminded to connect with the waste water treatment facilities at S25.
- The Contractor was reminded to provide a proper cover at the top and 3 sides for the cement mixing plant at S9 and S11.
- The Contractor was reminded to cover the cement bags at S15.
- The Contractor was reminded to remove the construction equipment adjacent to the trees and fencing off the tree.
- The Contractor was reminded to remove the stagnant water inside the disused wheel washing bay and H-beam at N4.
- The Contractor was reminded to remove the stagnant water at abutment at N1 and on the ground at N13.
- The Contractor was reminded to fill up the recesses of the concrete block to avoid accumulation of water at N4.
- The Contractor was reminded to water the dry stockpile material at S13.
- The Contractor was reminded to provide maintenance to the noise barriers at S16.
- The Contractor was reminded to enhance the standard of wheel washing facility at S25.
- The Contractor was reminded to ensure the overlapping length of two pieces of silt-curtain for the vessel access opening over 150m.
- The Contractor was reminded to provide sandbags along the public road at N13.
- The Contractor was reminded to provide sandbags along the seaside at S7.
- The Contractor was reminded to provide a proper noise enclosure at S23.
- The Contractor was reminded to clean up the oil leakage from excavator at S16.
- The Contractor was reminded to clean up the fill materials at the edge of the barge at vessel of Chung Sheng 308 and Kiu Tak at S7.
- The Contractor was reminded to provide proper drainage system for flood protection at S15.
- The Contractor was reminded to repair the damaged impervious sheet of dump truck at S16.
- The Contractor was reminded to provide drip tray and label to chemical containers at N4, N13, S25 and at vessel of Chun Ming 83.
- The Contractor was reminded to remove rubbish frequently at S15, N1 and N4.
- The Contractor was reminded to provide the stopper to drip tray to avoid oil leakage at S15 and N4.

- The Contractor was reminded to seal the water barrier at N1.
- The Contractor was reminded to provide sand bags to prevent leakage of muddy water onto the public road at S11-S15.
- The Contractor was reminded to enclose the gaps between silt curtain and seashore at S16.
- The Contractor was reminded to straighten the curved silt curtain.
- The Contractor was reminded to repair the damaged cover of the dump truck (number plate: HA196) at S15.
- The Contractor was reminded to clean up the blocked drainage system at S23.
- The Contractor was reminded to provide maintenance for the emission for Chun Ming 18 at S7.
- The Contractor was reminded to provide proper wheel washing facility at the entrance/exit of N20 and S22.
- The Contractor was reminded to provide maintenance to the damaged hoarding at S11.
- The Contractor was reminded to replace the air filter of vessel Shun Tak 22.
- The Contractor was reminded to stop muddy water discharge from vessel Shun Tak 22.

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 Eighth Quarterly EM&A Report which summarises the monitoring results and audit findings of the EM&A programme during the reporting period from 1 June to 31 August 2014.
- Air Quality
- 5.3.2 For air quality, there were no Action and Limit Level exceedances for 1-hr TSP and 24-hr TSP recorded during the reporting period.
- Noise
- 5.3.3 For construction noise, there were no Action Level and Limit Level exceedances during the reporting period.
- Water Quality
- 5.3.4 During the reporting period, two Action Level exceedances of suspended solid level were recorded. Ten Action Level exceedances of dissolved oxygen level were recorded. No Limit

Level exceedance of suspended solid level and dissolved oxygen level were recorded. No Action and Limit Level exceedance of turbidity was recorded.

Dolphin

- 5.3.5 There were two Action Level exceedances of dolphin monitoring for the quarterly monitoring data (June – August 2014).
- 5.3.6 During this quarter of dolphin monitoring, no adverse impact from the activities of this construction project on Chinese White Dolphins was noticeable from general observations.
- 5.3.7 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 in 2012 - 2014, and many individuals have shifted away from the important habitat around the Brothers Islands.
- 5.3.8 It critical to 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 situation.

Mudflat -Sedimentation Rate

- 5.3.9 This measurement result was generally and relatively higher than the baseline measurement at S2, S3 and S4. The mudflat level is continuously increased. For S1 showed that the level has increased within tolerance and their sea bed depth would not be considered as significant change.
- 5.3.10 Impact water quality monitoring in San Tau (monitoring station SR3) was conducted in June 2014. The monitoring parameters included dissolved oxygen (DO), turbidity and suspended solids (SS).

Mudflat - Ecology

- 5.3.11 The June 2014 survey was the seventh time of sampling of the EM&A programme during the construction period. Based on the results, impacts of the HKLR project were not detected on horseshoe crabs, seagrass and intertidal soft shore community.

Environmental Site inspection and Audit

- 5.3.12 Environmental site inspection was carried out on 4, 11, 18 and 27 June 2014, 2, 9, 16, 25 and 30 July 2014 and 6, 13, 20 and 29 August 2014. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.
- 5.3.13 There were no environmental complaints received during this reporting period.
- 5.3.14 No notification of summons and prosecution was received during the reporting period.



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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
8th Quarterly EM&A Report (Rev.2)

FIGURES



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

LEGEND

 Site Boundary of Contract HY/2011/03

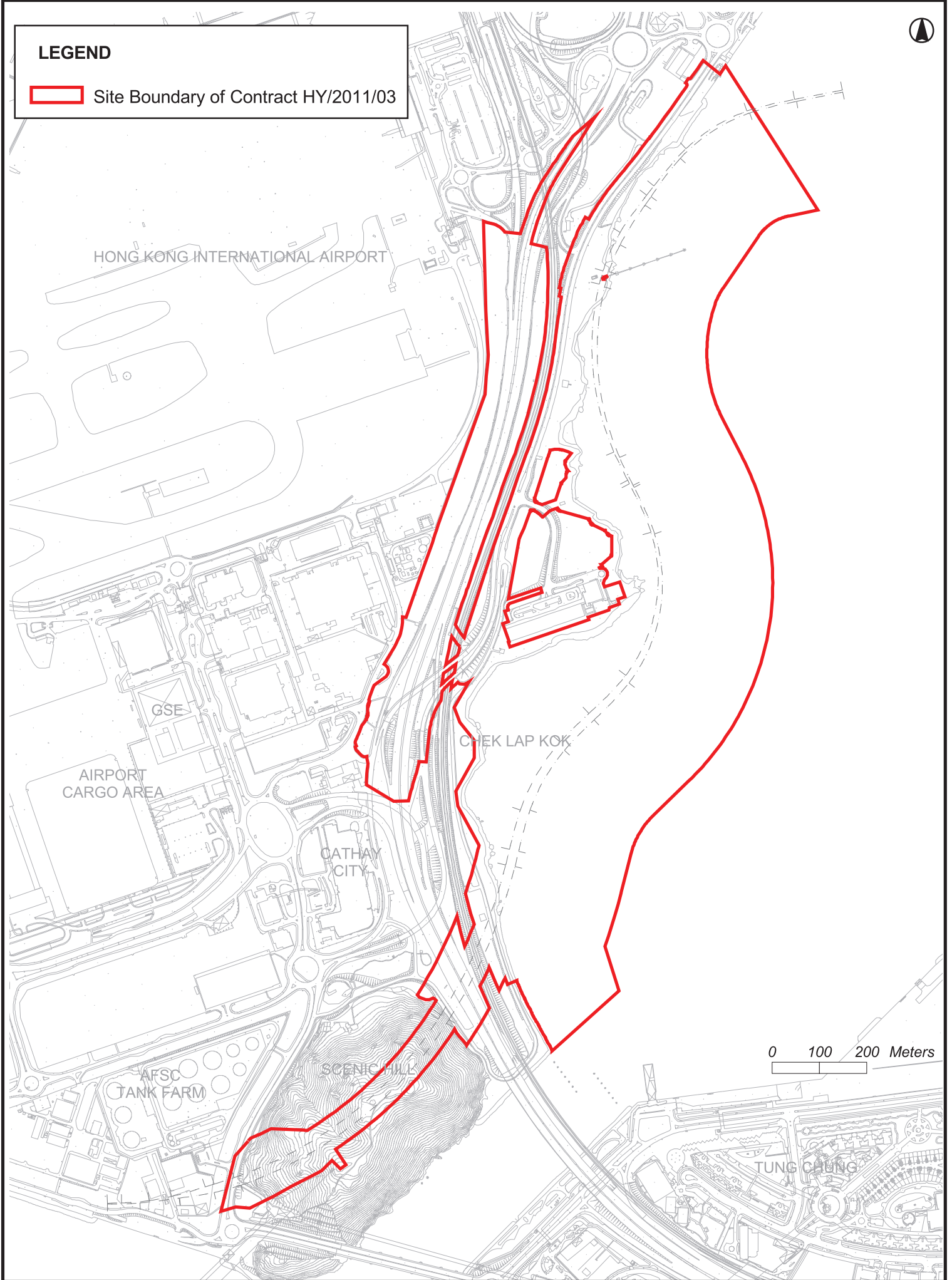
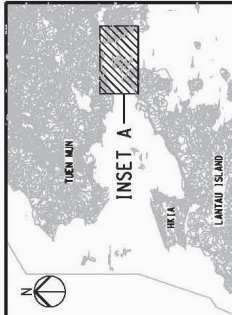


Figure 1.1 Location of the Site



KEY PLAN

1. EXACT LOCATIONS OF MONITORING STATIONS ARE SHOWN ON THIS DRAWING IN CONJUNCTION WITH THE CONSTRUCTION OF THE PROPOSED HONG KONG AIRPORT CHANNEL AND THE PROPOSED HONG KONG LINK ROAD (HKL/R). THE CONTRACTOR SHALL COORDINATE WITH THE ENVIRONMENTAL PROJECT OFFICE (EPO) AND THE ENVIRONMENTAL CHECKER (EC) AND THE ENVIRONMENTAL MONITORING AND CONTROL DEPARTMENT (EMCD) TO DETERMINE THE PROPOSED LOCATION OF THE MONITORING STATIONS.

2. THE LOCATION AND EXTENT OF MUDFLAT SURVEY SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. THE CONTRACTOR AND EY SHALL DETERMINE AND AGREE THE DETAILS OF THE MUDFLAT SURVEY IN ACCORDANCE WITH THE REQUIREMENTS STIPULATED IN THE EIA REPORTS AND ESM MANUALS.

3. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS STIPULATED IN THE EIA REPORTS AND ESM MANUALS TO CONDUCT THE ENVIRONMENTAL MONITORING AND AUDIT WORKS.

- LEGEND**
- WORKS BOUNDARY OF CONTRACT (HY2011/03)
 - IS IMPACT STATIONS (WATER QUALITY)
 - CS CONTROL/FIELD STATIONS (WATER QUALITY)
 - SR SENSITIVE RECEIVERS STATIONS (WATER QUALITY)
 - ST STATION FOR SENSITIVITY TEST RESULT (WATER QUALITY)
 - AMS MONITORING STATIONS (AIR QUALITY)
 - MMS MONITORING STATIONS (NOISE)
 - MUDFLAT ECOLOGICAL SAMPLING LOCATION

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

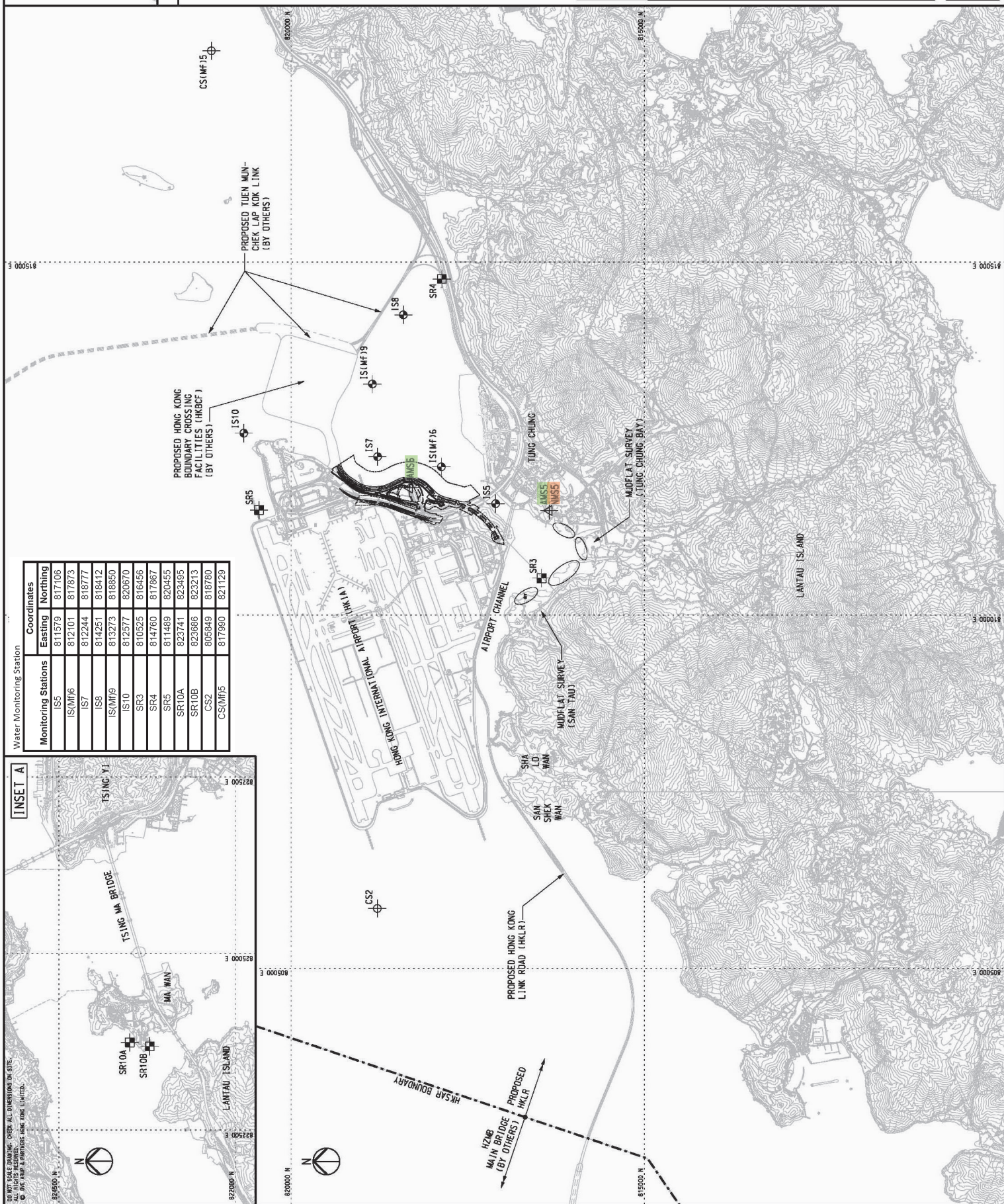
ARUP 威雅納工程顧問
One Arup & Partners Hong Kong Limited

Contract No. and Title
Contract No. HY/2011/03
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
Section Between Scenic Hill and
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Contract No. and Title
Contract No. HY/2011/03
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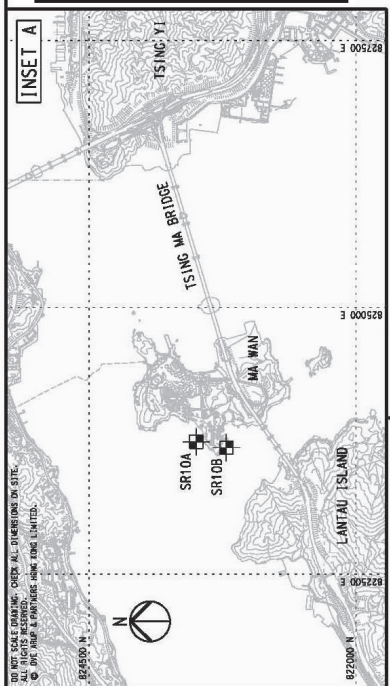
Contract No. and Title
Contract No. HY/2011/03
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road -
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HONG KONG HIGHWAYS DEPARTMENT
香港公路局
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Project Management Office



Water Monitoring Station

Monitoring Stations	Coordinates	
	Easting	Northing
IS5	811579	817106
IS(MT)6	812101	817873
IS7	812244	818777
IS8	814251	818412
IS(MT)9	813273	818850
IS10	812577	820670
SR3	810525	816456
SR4	814760	817867
SR5	811489	820455
SR10A	823741	823495
SR10B	823686	823213
CS2	805949	818780
CS(MT)5	817980	821129



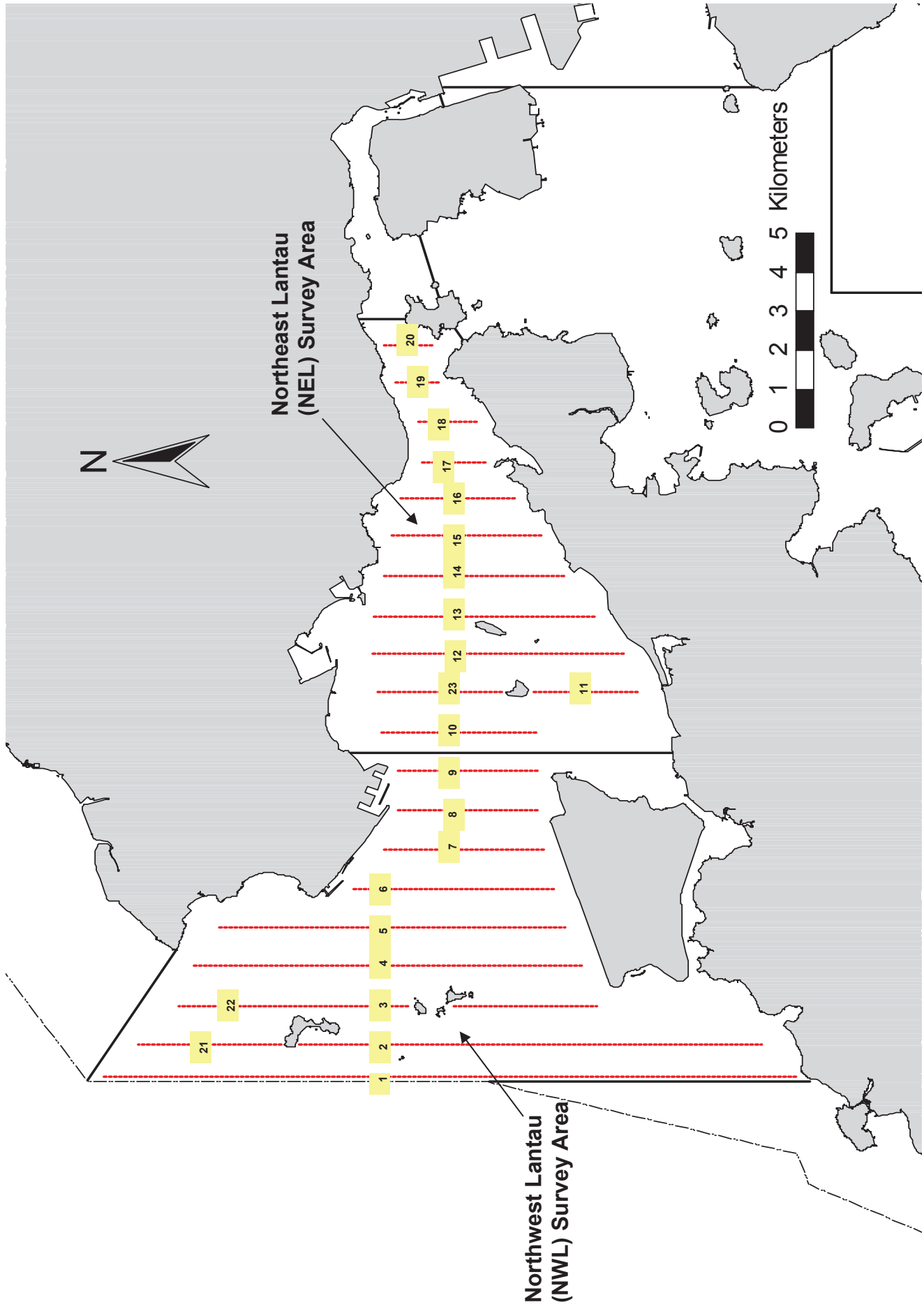


Figure 2.2 Transect Line Layout in Northwest and Northeast Lantau Survey Areas



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Hong Kong Link Road - Section between Scenic Hill
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APPENDIX A

Environmental Management Structure



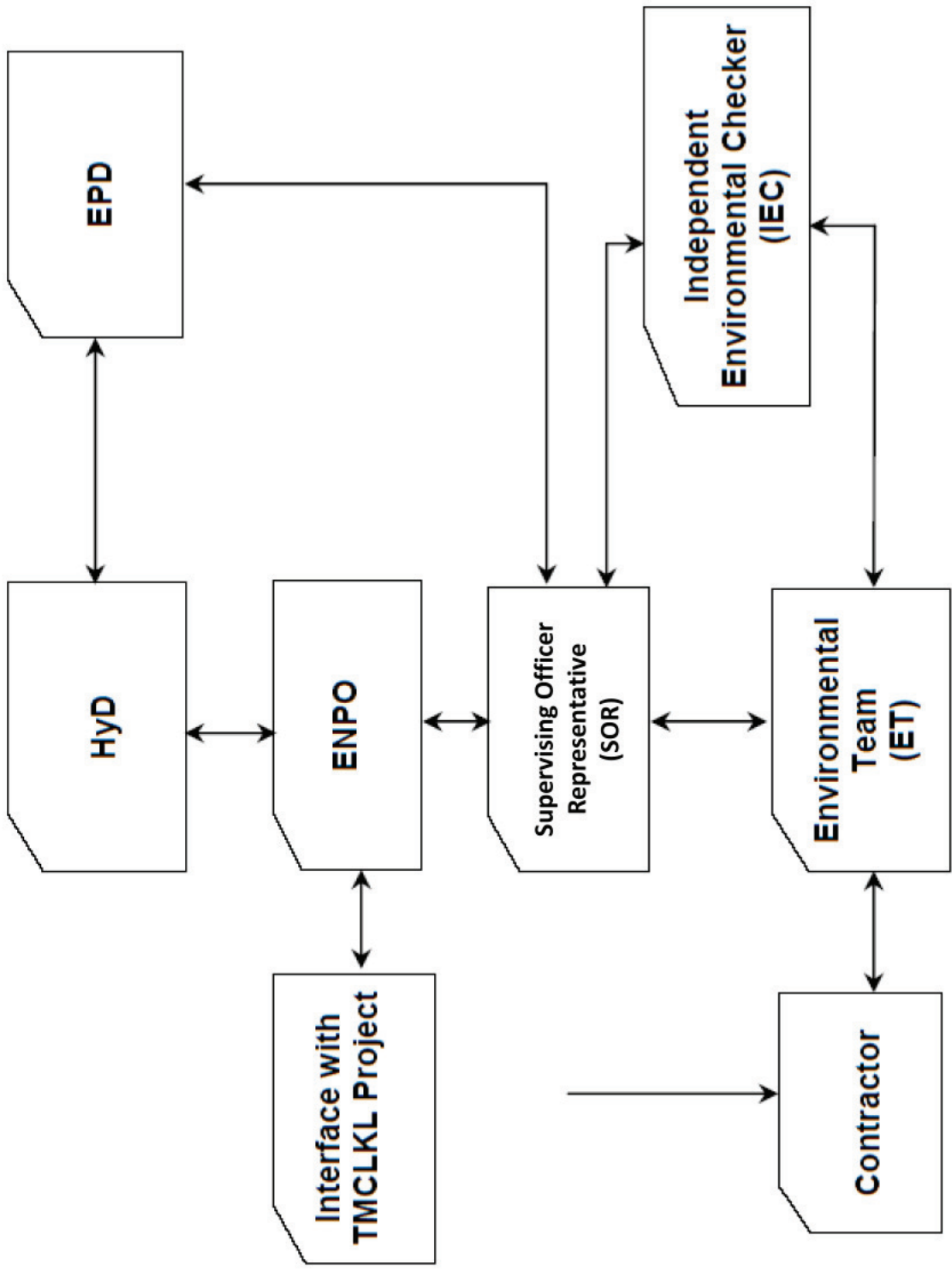
中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

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 (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





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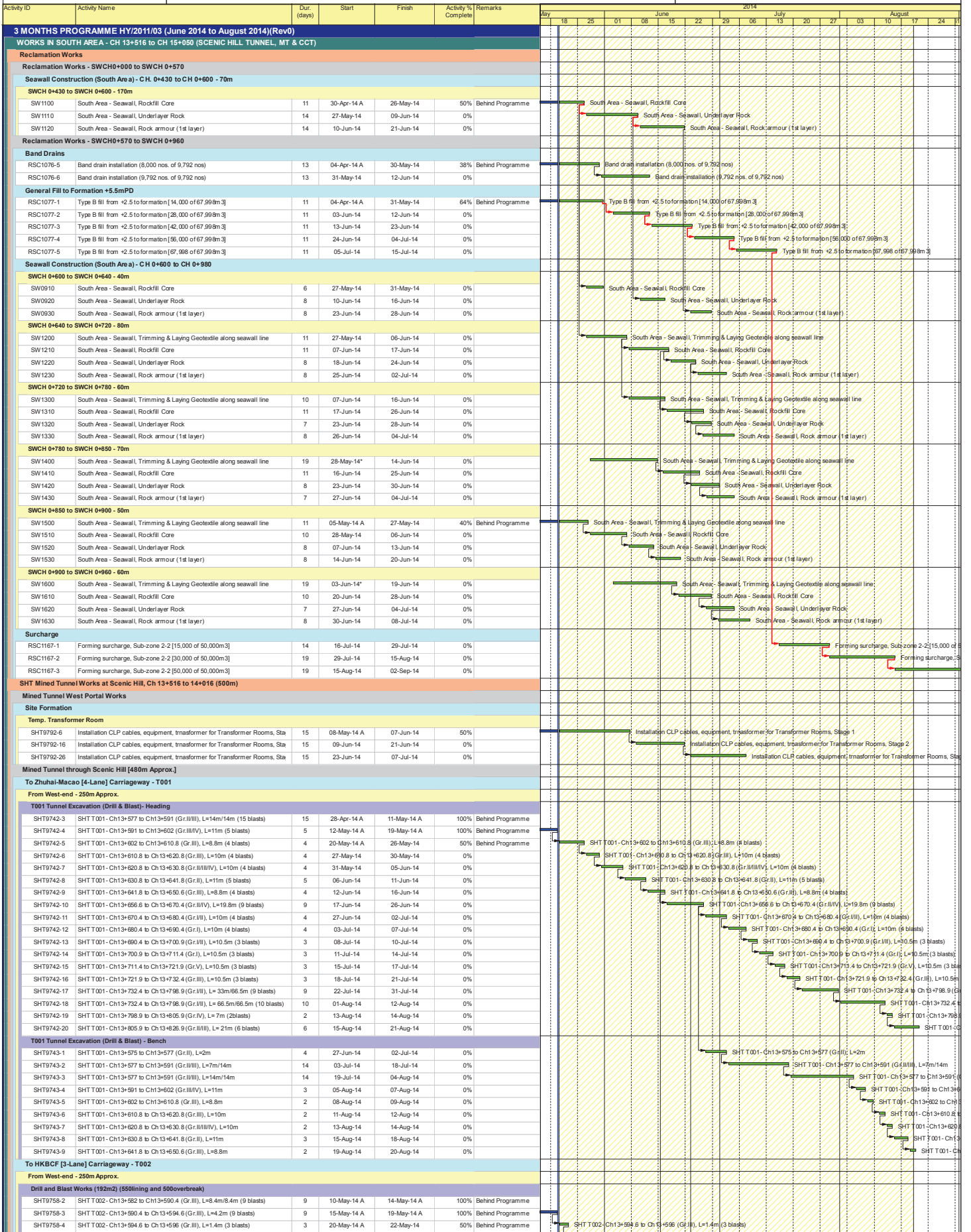
APPENDIX B

Construction Programme



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

(June 2014 to August 2014)



- Works Programme
- Works Programme
- Works Programme
- Milestone
- Milestone
- Works Programme

China State Construction Engineering (Hong Kong) Ltd

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

, Section between Scenic Hill and HKBCF

Prepared by WC/MM			
Date	Revision	Chec...	Approved
30-May-1...		HKC	SYT



(June 2014 to August 2014)

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	Remarks	May	June	July	August	
RSC1044-8	Stone columns installation [2475 nos of 2537 nos] - [incl. Night Work - 19:00 to 05:00]	13	16-Apr-14 A	17-May-14 A	100%	Behind Programme	Stone columns installation [2475 nos of 2537 nos] - [incl. Night Work - 19:00 to 05:00] wk days & PH work 07:00 to 23:00				
RSC1044-9	Stone columns installation [2537 nos of 2537 nos] - [incl. Night Work - 19:00 to 05:00]	9	17-May-14 A	27-May-14 A	26%	Behind Programme					
Filling to +2.5mPD (70% Sand Fill and 30% Public Fill)											
RSC1041-8	Type A fill in reclamation from S/B to +2.5mPD - [117,500 of 120,372m ³]	15	20-Feb-14 A	31-May-14 A	40%	Behind Programme	Type A fill in reclamation from S/B to +2.5mPD - [117,500 of 120,372m ³]				
RSC1041-9	Type A fill in reclamation from S/B to +2.5mPD - [120,372 of 120,372m ³]	15	03-Jun-14 A	16-Jun-14 A	0%	Behind Programme	Type A fill in reclamation from S/B to +2.5mPD - [120,372 of 120,372m ³]				
Band Drains											
RSC1045-3	Band drain installation [3,000 nos. of 19,912 nos]	13	28-Apr-14 A	16-May-14 A	100%	Behind Programme	Band drain installation [3,000 nos. of 19,912 nos]				
RSC1045-4	Band drain installation [5,000 nos. of 19,912 nos]	13	16-May-14 A	30-May-14 A	45%	Behind Programme	Band drain installation [5,000 nos. of 19,912 nos]				
RSC1045-5	Band drain installation [7,000 nos. of 19,912 nos]	13	31-May-14 A	12-Jun-14 A	0%	Behind Programme	Band drain installation [7,000 nos. of 19,912 nos]				
RSC1045-6	Band drain installation [9,000 nos. of 19,912 nos]	13	13-Jun-14 A	24-Jun-14 A	0%	Behind Programme	Band drain installation [9,000 nos. of 19,912 nos]				
RSC1045-7	Band drain installation [11,000 nos. of 19,912 nos]	13	25-Jun-14 A	07-Jul-14 A	0%	Behind Programme	Band drain installation [11,000 nos. of 19,912 nos]				
RSC1045-8	Band drain installation [16,000 nos. of 19,912 nos]	14	08-Jul-14 A	19-Jul-14 A	0%	Behind Programme	Band drain installation [16,000 nos. of 19,912 nos]				
RSC1045-9	Band drain installation [18,000 nos. of 19,912 nos]	13	21-Jul-14 A	31-Jul-14 A	0%	Behind Programme	Band drain installation [18,000 nos. of 19,912 nos]				
RSC1045-10	Band drain installation [19,912 nos. of 19,912 nos]	8	01-Aug-14 A	07-Aug-14 A	0%	Behind Programme	Band drain installation [19,912 nos. of 19,912 nos]				
General Fill to Formation +5.5mPD											
RSC1046-2	Type B fill from +2.5 to formation [25,000 of 220,581 m ³]	15	26-Feb-14 A	03-Jun-14 A	0%	On Programme	Type B fill from +2.5 to formation [25,000 of 220,581 m ³]				
RSC1046-3	Type B fill from +2.5 to formation [37,500 of 220,581 m ³]	15	04-Jun-14 A	17-Jun-14 A	0%	On Programme	Type B fill from +2.5 to formation [37,500 of 220,581 m ³]				
RSC1046-4	Type B fill from +2.5 to formation [50,000 of 220,581 m ³]	15	18-Jun-14 A	02-Jul-14 A	0%	On Programme	Type B fill from +2.5 to formation [50,000 of 220,581 m ³]				
RSC1046-5	Type B fill from +2.5 to formation [62,500 of 220,581 m ³]	15	03-Jul-14 A	16-Jul-14 A	0%	On Programme	Type B fill from +2.5 to formation [62,500 of 220,581 m ³]				
RSC1046-6	Type B fill from +2.5 to formation [75,000 of 220,581 m ³]	15	17-Jul-14 A	30-Jul-14 A	0%	On Programme	Type B fill from +2.5 to formation [75,000 of 220,581 m ³]				
RSC1046-7	Type B fill from +2.5 to formation [87,500 of 220,581 m ³]	15	31-Jul-14 A	13-Aug-14 A	0%	On Programme	Type B fill from +2.5 to formation [87,500 of 220,581 m ³]				
Seawall Construction (Middle Area) CH +980 to CH 1+400 -420m											
TSW1010	SWCH 1+020 to 1+080 - Temporary Seawall Construction	15	30-Apr-14 A	12-May-14 A	100%	Behind Programme	SWCH 1+020 to 1+080 - Temporary Seawall Construction				
TSW1020	SWCH 1+080 to 1+160 - Temporary Seawall Construction	15	20-May-14 A	03-Jun-14 A	0%	Behind Programme	SWCH 1+080 to 1+160 - Temporary Seawall Construction				
TSW1030	SWCH 1+160 to 1+240 - Temporary Seawall Construction	15	04-Jun-14 A	17-Jul-14 A	0%	Behind Programme	SWCH 1+160 to 1+240 - Temporary Seawall Construction				
TSW1040	SWCH 1+240 to 1+320 - Temporary Seawall Construction	15	18-Jun-14 A	02-Jul-14 A	0%	Behind Programme	SWCH 1+240 to 1+320 - Temporary Seawall Construction				
TSW1050	SWCH 1+320 to 1+400 - Temporary Seawall Construction	15	03-Jul-14 A	16-Jul-14 A	0%	Behind Programme	SWCH 1+320 to 1+400 - Temporary Seawall Construction				
Seawall 2nd Layer/Final Layer											
RSC1052-1	Lay geotextile Type 1 from +3.5mPD to top	18	20-May-14 A	05-Jun-14 A	0%	Behind Programme	Lay geotextile Type 1 from +3.5mPD to top				
RSC1052-2	Lay geotextile Type 1 from +3.5mPD to top	18	06-Jun-14 A	21-Jun-14 A	0%	Behind Programme	Lay geotextile Type 1 from +3.5mPD to top				
RSC1052-3	Lay geotextile Type 1 from +3.5mPD to top	18	23-Jun-14 A	09-Jul-14 A	0%	Behind Programme	Lay geotextile Type 1 from +3.5mPD to top				
RSC1064-1	Placing under layer rock from +3.5mPD to Top	18	10-Jul-14 A	25-Jul-14 A	0%	Behind Programme	Placing under layer rock from +3.5mPD to Top				
RSC1064-2	Placing under layer rock from +3.5mPD to Top	16	28-Jul-14 A	09-Aug-14 A	0%	Behind Programme	Placing under layer rock from +3.5mPD to Top				
RSC1065-1	Placing armor rock from +3.5mPD to Top	16	02-Aug-14 A	16-Aug-14 A	0%	Behind Programme	Placing armor rock from +3.5mPD to Top				
RSC1065-2	Placing armor rock from +3.5mPD to Top	16	18-Aug-14 A	01-Sep-14 A	0%	Behind Programme	Placing armor rock from +3.5mPD to Top				
Flight Information Signs (PARDS) & Billboards - Re-provisioning Works											
Relocation of Billboards											
PARDS253	CLP cable laying	10	02-Apr-14 A	30-May-14 A	90%	Behind Programme	CLP cable laying				
PARDS255	Preparation and Mobilization for E&M equipment installation	10	04-Apr-14 A	12-May-14 A	100%	Behind Programme	Preparation and Mobilization for E&M equipment installation				
PARDS260	E&M equipment installation	14	13-May-14 A	31-May-14 A	50%	Behind Programme	E&M equipment installation				
PARDS270	Testing and Power Supply	14	03-Jun-14 A	14-Jun-14 A	0%	Behind Programme	Testing and Power Supply				
PARDS280	Demolish existing billboards	15	16-Jun-14 A	28-Jun-14 A	0%	Behind Programme	Demolish existing billboards				
PARDS - Construction T1a, T1c, T2a											
PARDS102-1	PARDS - Structural Materials Testing & Delivery	10	06-Jun-14*	14-Jun-14 A	0%	Behind Programme	PARDS - Structural Materials Testing & Delivery				
PARDS102-2	PARDS - Structural Fabrication	10	16-Jun-14 A	24-Jul-14 A	0%	Behind Programme	PARDS - Structural Fabrication				
PARDS101-1	PARDS - Structural works (T1c)	13	25-Jun-14 A	07-Jul-14 A	0%	Behind Programme	PARDS - Structural works (T1c)				
PARDS110-1	PARDS - Equipment installation (T1c)	10	08-Jul-14 A	16-Jul-14 A	0%	Behind Programme	PARDS - Equipment installation (T1c)				
PARDS101-2	PARDS - Structural works (T1a)	13	08-Jul-14 A	18-Jul-14 A	0%	Behind Programme	PARDS - Structural works (T1a)				
PARDS110-2	PARDS - Equipment installation (T1a)	10	19-Jul-14 A	28-Jul-14 A	0%	Behind Programme	PARDS - Equipment installation (T1a)				
PARDS100-3	PARDS - Trial Pit & Construction of Footing (T2a)	13	30-Jul-14*	09-Aug-14 A	0%	Behind Programme	PARDS - Trial Pit & Construction of Footing (T2a)				
PARDS101-3	PARDS - Structural works (T2a)	13	11-Aug-14 A	21-Aug-14 A	0%	Behind Programme	PARDS - Structural works (T2a)				
Utility Culvert No. 2 Ext. near Bridge A2 [30m Approx.]											
UC2.1020	Util. Culvert No. 2 Ext. - ELS - Excavation; Ground levelling, trimming, blinding	15	17-Sep-13 A	11-Jun-14 A	58%	Behind Programme	Util. Culvert No. 2 Ext. - ELS - Excavation; Ground levelling, trimming, blinding layer (1st 10m)				
UC2.1021	Util. Culvert No. 2 Ext. - ELS - Excavation; Ground levelling, trimming, blinding	15	27-Dec-13 A	11-Jun-14 A	58%	Behind Programme	Util. Culvert No. 2 Ext. - ELS - Excavation; Ground levelling, trimming, blinding layer (2nd 10m)				
UC2.1022	Util. Culvert No. 2 Ext. - ELS - Excavation; Ground levelling, trimming, blinding	15	12-Mar-14 A	11-Jun-14 A	58%	Behind Programme	Util. Culvert No. 2 Ext. - ELS - Excavation; Ground levelling, trimming, blinding layer (3rd 10m)				
UC2.1030	Util. Culvert No. 2 Ext. - Culvert structure	8	09-Jun-14 A	24-Jun-14 A	0%	Behind Programme	Util. Culvert No. 2 Ext. - Culvert structure				
UC2.1040	Util. Culvert No. 2 Ext. - Backfilling	5	25-Jun-14 A	28-Jun-14 A	0%	Behind Programme	Util. Culvert No. 2 Ext. - Backfilling				
UC2.1050	Util. Culvert No. 2 Extension Complete	0		28-Jun-14 A	0%	Behind Programme	Util. Culvert No. 2 Extension Complete				
Works in HAT Tunnel (Mined Tunnel and West CCT w/ Emergency Pedestrian Passage)											
Mined Tunnel for HAT underneath AEL & at East Coast Road [97m Approx.]											
Utilities Diversion, SI Works and Temp. Access Shaft (Shaft 4)											
ELS											
HAT1580-01	HAT MT - Temporary east access shaft; Installation of struts/walings, S1 layer	10	12-Mar-14 A	14-May-14 A	100%	Behind Programme	HAT MT - Temporary east access shaft; Installation of struts/walings, S1 layer				
HAT1580-02	HAT MT - Temporary east access shaft; Installation of struts/walings, S2 layer	10	28-Mar-14 A	29-May-14 A	90%	Behind Programme	HAT MT - Temporary east access shaft; Installation of struts/walings, S2 layer				
HAT1580-03	HAT MT - Temporary east access shaft; Installation of struts/walings, S3 layer	10	30-Apr-14 A	31-May-14 A	80%	Behind Programme	HAT MT - Temporary east access shaft; Installation of struts/walings, S3 layer				
HAT1578-04	HAT MT - Temporary east access shaft; Rock Excavation, S4 layer	10	05-May-14 A	29-May-14 A	80%	Behind Programme	HAT MT - Temporary east access shaft; Rock Excavation, S4 layer				
HAT1580-04	HAT MT - Temporary east access shaft; Installation of struts/walings, S4 layer	10	30-May-14 A	09-Jun-14 A	0%	Behind Programme	HAT MT - Temporary east access shaft; Installation of struts/walings, S4 layer				
HAT1578-05	HAT MT - Temporary east access shaft; Rock Excavation, S5 layer	10	10-Jun-14 A	18-Jun-14 A	0%	Behind Programme	HAT MT - Temporary east access shaft; Rock Excavation, S5 layer				
HAT1580-05	HAT MT - Temporary east access shaft; Installation of struts/walings, S5 layer	10	19-Jun-14 A	27-Jun-14 A	0%	Behind Programme	HAT MT - Temporary east access shaft; Installation of struts/walings, S5 layer				
HAT1578-06	HAT MT - Temporary east access shaft; Rock Excavation, S6a layer	13	28-Jun-14 A	10-Jul-14 A	0%	Behind Programme	HAT MT - Temporary east access shaft; Rock Excavation, S6a layer				
HAT1580-06	HAT MT - Temporary east access shaft; Installation of struts/walings, S6a layer	10	11-Jul-14 A	19-Jul-14 A	0%	Behind Programme	HAT MT - Temporary east access shaft; Installation of struts/walings, S6a layer				
HAT1578-07	HAT MT - Temporary east access shaft; Rock Excavation, S6b layer	14	21-Jul-14 A	01-Aug-14 A	0%	Behind Programme	HAT MT - Temporary east access shaft; Rock Excavation, S6b layer				
HAT1580-07	HAT MT - Temporary east access shaft; Installation of struts/walings, S6b layer	10	02-Aug-14 A	11-Aug-14 A	0%	Behind Programme	HAT MT - Temporary east access shaft; Installation of struts/walings, S6b layer				
HAT1578-08	HAT MT - Temporary east access shaft; Rock Excavation, S6c layer	14	12-Aug-14 A	23-Aug-14 A	0%	Behind Programme	HAT MT - Temporary east access shaft; Rock Excavation, S6c layer				
New Carriageway & Modification of Existing Roads											
New Carriageway adjacent to HKIA [615m Approx.]											
Utilities Diversion											
Tele/COM Cable											
NCW1041-3	New carriageway [middle area] - Utilities diversion, Tele-com Cable Stage 1a	12	14-Mar-14 A	29-May-14 A	27%	Behind Programme	New carriageway [middle area] - Utilities diversion, Tele-com Cable Stage 1a & 1b - Excavation (500m of 500m)				
NCW1041-4	New carriageway [middle area] - Utilities diversion, Tele-com Cable Stage 1a	13	19-Mar-14 A	03-Jun-14 A	27%	Behind Programme	New carriageway [middle area] - Utilities diversion, Tele-com Cable Stage 1a & 1b - Duct Laying (500m of 500m)				
Gasmain											
NCW1043-3	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main	14	13-Mar-14 A	16-May-14 A	100%	Behind Programme	New carriageway [middle area] - Utilities diversion, DN160 Stage 1 Gas main, excavation (500m of 500m)				
NCW1043-4	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main	11	17-Apr-14 A	14-May-14 A	100%	Behind Programme	New carriageway [middle area] - Utilities diversion, DN160 Stage 1 Gas main, duct laying (500m of 500m)				
NCW1042-3	New carriageway [middle area] - Utilities diversion, DN160 Stage 1 Gas main	14	23-Apr-14 A	30-May-14 A	75%	Behind Programme	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main, excavation (650m of 650m), North				
NCW1043-1	New carriageway [middle area] - Utilities diversion, DN160 Stage 1 Gas main	11	24-Apr-14 A	03-Jun-14 A	60%	Behind Programme	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main, duct laying (850m of 650m), North				
NCW1043-2	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main	14	30-Apr-14 A	31-May-14 A	80%	Behind Programme	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main, duct laying (400m of 650m), Middle				
NCW1043-5	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main	11	10-May-14 A	29-May-14 A	48%	Behind Programme	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main, excavation (400m of 650m), Middle				
NCW1043-6	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main	11	15-May-14 A	29-May-14 A	60%	Behind Programme	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main, excavation (400m of 650m), Middle				
NCW1043-7	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main	15	18-May-14 A	03-Jun-14 A	75%	Behind Programme	New carriageway [middle area] - Utilities diversion, DN250 Stage 2 Gas main, excavation (400m of 650m), Middle				
Freshwater main											
NCW1048-2	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying	13	11-Apr-14 A	23-May-14 A	80%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying (200m of 450m)				
NCW1047-2	New carriageway [middle area] - Util. diversion, Freshwater main, Excavation	13	14-Apr-14 A	21-May-14 A	80%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, Excavation (300m of 450m)				
NCW1046-4	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying	15	15-Apr-14 A	30-May-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying [Stage 1 TA in BA2 works] [50m/50m]				
NCW1047-3	New carriageway [middle area] - Util. diversion, Freshwater main, Excavation	13	22-May-14 A	03-Jun-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, Excavation (400m of 450m)				
NCW1048-3	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying	15	24-May-14 A	07-Jun-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying (300m of 450m)				
NCW1046-00	New carriageway [middle area] - Util. diversion, Freshwater main, diversion connection	15	31-May-14 A	14-Jun-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, diversion connection to existing Stage 1 TA				
NCW1047-4	New carriageway [middle area] - Util. diversion, Freshwater main, Excavation	13	04-Jun-14 A	14-Jun-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, Excavation (450m of 450m)				
NCW1048-4	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying	15	09-Jun-14 A	21-Jun-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying (400m of 450m)				
NCW1048-9	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying	15	23-Jun-14 A	07-Jul-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, Pipe Laying (400m of 450m)				
NCW1048-00	New carriageway [middle area] - Util. diversion, Freshwater main, diversion connection	14	08-Jul-14 A	19-Jul-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Freshwater main, diversion connection to existing Stage 1 TA				
Seawater main											
NCW1086-22	New carriageway [middle area] - Util. diversion, Seawater main, Excavation	15	18-Mar-14 A	30-May-14 A	16.67%	Behind Programme	New carriageway [middle area] - Util. diversion, Seawater main, Excavation (300m of 450m)				
NCW1086-31	New carriageway [middle area] - Util. diversion, Seawater main, Pipe Laying	14	11-Apr-14 A	17-May-14 A	100%	Behind Programme	New carriageway [middle area] - Util. diversion, Seawater main, Pipe Laying (300m of 450m)				
NCW1086-4	New carriageway [middle area] - Util. diversion, Seawater Main, Pipe Laying	15	15-Apr-14 A	03-Jun-14 A	60%	Behind Programme	New carriageway [middle area] - Util. diversion, Seawater Main, Pipe Laying [For Stage 1 TA in BA2 works] [50m/50m]				
NCW1086-41	New carriageway [middle area] - Util. diversion, Seawater main, Pipe Laying	14	19-May-14 A	31-May-14 A	20%	Behind Programme	New carriageway [middle area] - Util. diversion, Seawater main, Pipe Laying (300m of 450m)				
NCW1086-33	New carriageway [middle area] - Util. diversion, Seawater main, Excavation	15	31-May-14 A	14-Jun-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Seawater main, Excavation (400m of 450m)				
NCW1086-51	New carriageway [middle area] - Util. diversion, Seawater main, Pipe Laying	14	03-Jun-14 A	14-Jun-14 A	0%	Behind Programme	New carriageway [middle area] - Util. diversion, Seawater main, Pipe Laying (400m of 450m)				
NCW1086-00	New carriageway [middle area] - Util. diversion, Seawater main, diversion connection										

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	Remarks	2014																
							May	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24	
NCW1086-01	New carriageway [middle area] - Util. diversion, Sewewater main, Pipe Laying	14	16-Jun-14	27-Jun-14	0%																		
NCW1086-01	New carriageway [middle area] - Util. diversion, Sewewater main, diversion/cor	14	28-Jun-14	11-Jul-14	0%																		
Sewerage Rising Main																							
NCW1087-3	New carriageway [middle area] - Util. diversion, DN500 Sewerage Rising Mai	13	12-Mar-14	26-May-14	90%	Behind Programme																	
NCW1087-4	New carriageway [middle area] - Util. diversion, DN500 Sewerage Rising Mai	13	02-May-14	23-May-14	70%	Behind Programme																	
NCW1087-7	New carriageway [middle area] - Util. diversion, DN500 Sewerage Rising Mai	14	20-May-14	31-May-14	0%																		
NCW1087-8	New carriageway [middle area] - Util. diversion, DN500 Sewerage Rising Mai	14	03-Jun-14	14-Jun-14	0%																		
NCW1087-11	New carriageway [middle area] - Util. diversion, DN300 Sewerage Rising Mai	15	16-Jun-14	28-Jun-14	0%																		
NCW1087-22	New carriageway [middle area] - Util. diversion, DN300 Sewerage Rising Mai	15	30-Jun-14	14-Jul-14	0%																		
NCW1087-21	New carriageway [middle area] - Util. diversion, DN300 Sewerage Rising Mai	14	15-Jul-14	26-Jul-14	0%																		
NCW1087-31	New carriageway [middle area] - Util. diversion, DN300 Sewerage Rising Mai	14	28-Jul-14	08-Aug-14	0%																		
NCW1088	New carriageway [middle area] - Utilities diversion Completion	15	09-Aug-14	22-Aug-14	0%																		
Stage 1 TTA - Diversion of NB Airport Road (for Works in BA2)																							
NCW1055	Roadwork for Stage 1 TTA	14	15-Apr-14	31-May-14	30%																		
NCW1065	Preparation for Implementation of Stage 1 TTA	15	03-Jun-14	16-Jun-14	0%																		
NCW1075	Stage 1 TTA Implementation	0	17-Jun-14		0%																		
Stage 2 TTA - Diversion of NB Airport Road (for Works in BA2)																							
NCW1056	Roadwork for Stage 2 TTA	16	25-Jul-14	08-Aug-14	0%																		
NCW1066	Preparation for Implementation of Stage 2 TTA	15	09-Aug-14	22-Aug-14	0%																		
WORKS IN NORTH AREA - CH 15+500 to CH 16+223 (HKLAR AT GRADE & ROADWORKS)																							
Reclamation & Seawall Const. [723m Approx.]																							
Remaining Portion From SWCH1400 to 1830 (AHR 15 to 20mPD)[Except Zone D]																							
Area 2 - Geotextile Tube Wall + Sandfill to +2.5mPD																							
RSC1106-15	Geotextile tube wall [92 of 92nos]	15	15-Apr-14	31-May-14	25%	Behind Programme																	
RSC1106-16	Geotextile tube wall with Sand infill up to +1.0mPD, 1st half	10	03-Jun-14	11-Jun-14	0%																		
RSC1106-17	Geotextile tube wall with Sand infill up to +1.0mPD, 2nd half	10	12-Jun-14	20-Jun-14	0%																		
RSC1106-18	Geotextile tube wall with Sand infill up to +2.5mPD, 1st half	6	21-Jun-14	26-Jun-14	0%																		
RSC1106-19	Geotextile tube wall with Sand infill up to +2.5mPD, 2nd half	6	27-Jun-14	03-Jul-14	0%																		
Stone Platform																							
RSC1106-2	Construction stone platform (49,750m ³ of 94,466m ³) [incl. Night Work - 19:00	14	21-Jun-13	12-Jun-14	94%	Behind Programme																	
RSC1106-4	Construction stone platform (67,131m ³ of 94,466m ³) [incl. Night Work - 19:00	15	13-Jun-14	26-Jun-14	0%																		
RSC1106-5	Construction stone platform (84,512m ³ of 94,466m ³) [incl. Night Work - 19:00	15	27-Jun-14	11-Jul-14	0%																		
RSC1106-6	Construction stone platform (94,466m ³ of 94,466m ³) [incl. Night Work - 19:00	15	12-Jul-14	25-Jul-14	0%																		
Stone Column																							
North Portion (Except Area 2)																							
RSC1109-3	Stone columns installation [465 nos. of 946 nos] [SWCH1+400 to SWCH1+60	13	11-Apr-14	30-May-14	23%	Behind Programme																	
RSC1109-4	Stone columns installation [620 nos. of 946 nos] [SWCH1+400 to SWCH1+60	13	31-May-14	12-Jun-14	0%																		
RSC1109-5	Stone columns installation [775 nos. of 946 nos] [SWCH1+400 to SWCH1+60	13	13-Jun-14	24-Jun-14	0%																		
RSC1109-6	Stone columns installation [946 nos. of 946 nos] [SWCH1+400 to SWCH1+60	13	25-Jun-14	07-Jul-14	0%																		
Area 2 - AHR Area																							
RSC1110-5	Stone columns installation [288 nos. of 1488 nos] [incl. AHR area with night w	13	03-May-14	30-May-14	60%	Behind Programme																	
RSC1110-7	Stone columns installation [336 nos. of 1488 nos] [incl. AHR area with night w	13	31-May-14	12-Jun-14	0%																		
RSC1110-8	Stone columns installation [384 nos. of 1488 nos] [incl. AHR area with night w	13	13-Jun-14	24-Jun-14	0%																		
RSC1110-9	Stone columns installation [432 nos. of 1488 nos] [incl. AHR area with night w	13	25-Jun-14	07-Jul-14	0%																		
RSC1110-10	Stone columns installation [480 nos. of 1488 nos] [incl. AHR area with night w	13	08-Jul-14	18-Jul-14	0%																		
RSC1110-11	Stone columns installation [488 nos. of 1488 nos] [incl. AHR area with night w	13	19-Jul-14	30-Jul-14	0%																		
RSC1110-12	Stone columns installation [536 nos. of 1488 nos] [incl. AHR area with night w	13	31-Jul-14	11-Aug-14	0%																		
RSC1110-13	Stone columns installation [584 nos. of 1488 nos] [incl. AHR area with night w	13	12-Aug-14	22-Aug-14	0%																		
Filling to +2.5mPD (Sand Fill to +1mPD and Public Fill to +2.5mPD)																							
RSC1107-1	Type A fill in reclamation from S/B to +2.5mPD (SWCH1400 to SWCH1450)	11	26-Jul-14	05-Aug-14	0%																		
RSC1107-2	Type A fill in reclamation from S/B to +2.5mPD (SWCH1450 to SWCH1500)	11	06-Aug-14	15-Aug-14	0%																		
RSC1107-3	Type A fill in reclamation from S/B to +2.5mPD (SWCH1500 to SWCH1550)	11	16-Aug-14	26-Aug-14	0%																		
Portion C & D1 From SWCH1850 to 2070 (AHR 17.5 to 20mPD)																							
Stone Platform																							
RSC1133-4	Construction stone platform (79,028m ³ of 90,213m ³) - [incl. Night work 1900	12	16-Dec-13	03-Jun-14	84%	Behind Programme																	
RSC1133-14	Construction stone platform (90,213m ³ of 90,213m ³) - [incl. Night work 1900	13	04-Jun-14	14-Jun-14	0%																		
Stone Column																							
RSC1136-5	Stone columns installation (750 of 1,343nos)	10	09-Apr-14	17-May-14	100%	Behind Programme																	
RSC1136-6	Stone columns installation (900 of 1,343nos)	10	17-May-14	28-May-14	14%	Behind Programme																	
RSC1136-7	Stone columns installation (1050 of 1,343nos)	10	29-May-14	07-Jun-14	0%																		
RSC1136-8	Stone columns installation (1200 of 1,343nos)	10	16-Jun-14	24-Jun-14	0%																		
RSC1136-9	Stone columns installation (1,343 of 1,343nos)	10	25-Jun-14	04-Jul-14	0%																		
Filling to +2.5mPD (70% Sand Fill and 30% Public Fill)																							
RSC1134-5	Type A fill in reclamation from S/B to +2.5mPD [39,260 of 46,890 m ³]	13	05-Feb-14	07-Jun-14	40%	Behind Programme																	
RSC1134-6	Type A fill in reclamation from S/B to +2.5mPD [46,890 of 46,890 m ³]	14	11-Jun-14	23-Jun-14	0%																		
Band Drains																							
RSC1135-3	Band drain installation [2,400 of 4,041 nos]	13	18-Jan-14	04-Jun-14	83%	Behind Programme																	
RSC1135-4	Band drain installation [3,200 of 4,041 nos]	14	19-Jun-14	02-Jul-14	0%																		
RSC1135-5	Band drain installation [4,041 of 4,041 nos]	15	03-Jul-14	16-Jul-14	0%																		
General Fill to Formation +5.5mPD																							
RSC1145-2	Type B fill from +2.5 to formation [30,000 of 58,482 m ³]	13	11-Apr-14	30-May-14	3%	Behind Programme																	
RSC1145-3	Type B fill from +2.5 to formation [45,000 of 58,482 m ³]	14	03-Jul-14	15-Jul-14	0%																		
RSC1145-4	Type B fill from +2.5 to formation [58,482 of 58,482 m ³]	14	16-Jul-14	28-Jul-14	0%																		
Seawall Construction (Portion C and D1) CH 1+850 to CH 2+020 - 170m																							
SWCH 1+850 to SWCH 1+900 - 50m																							
SW2100	South Area - Seawall, Trimming & Laying Geotextile along seawall line	15	17-Jun-14	30-Jun-14	0%																		
SW2110	South Area - Seawall, Rockfill Core	12	28-Jun-14	10-Jul-14	0%																		
SW2120	South Area - Seawall, Underlayer Rock	14	07-Jul-14	19-Jul-14	0%																		
SW2130	South Area - Seawall, Rock armour (1st layer)	7	18-Jul-14	24-Jul-14	0%																		
SWCH 1+900 to SWCH 1+960 - 60m																							
SW2200	South Area - Seawall, Trimming & Laying Geotextile along seawall line	14	25-Jun-14	08-Jul-14	0%																		
SW2210	South Area - Seawall, Rockfill Core	11	04-Jul-14	14-Jul-14																			



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

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Hong Kong Link Road - Section between Scenic Hill
and Hong Kong Boundary Crossing Facilities
8th Quarterly EM&A Report (Rev.2)

APPENDIX C

Location of Works Areas

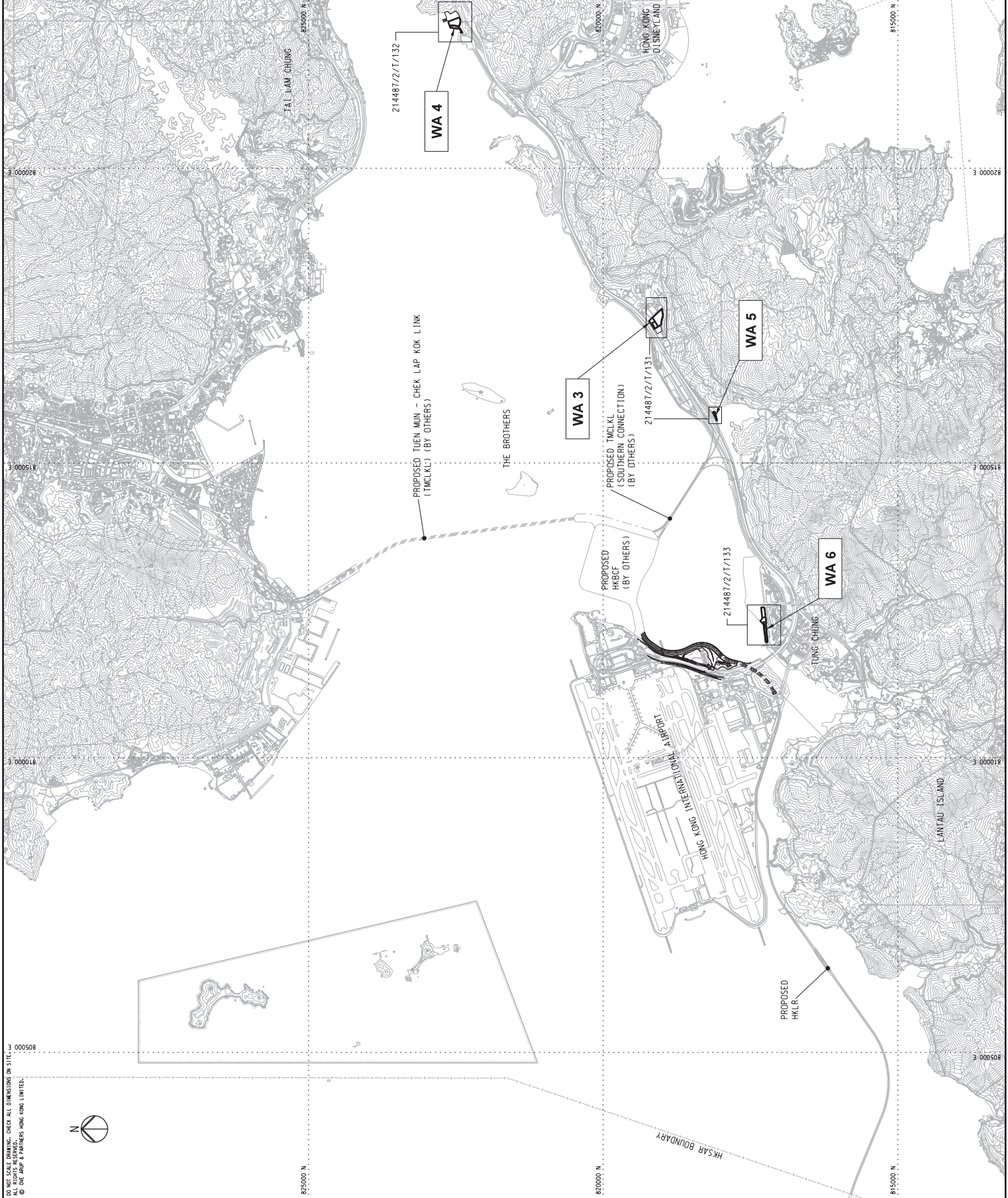


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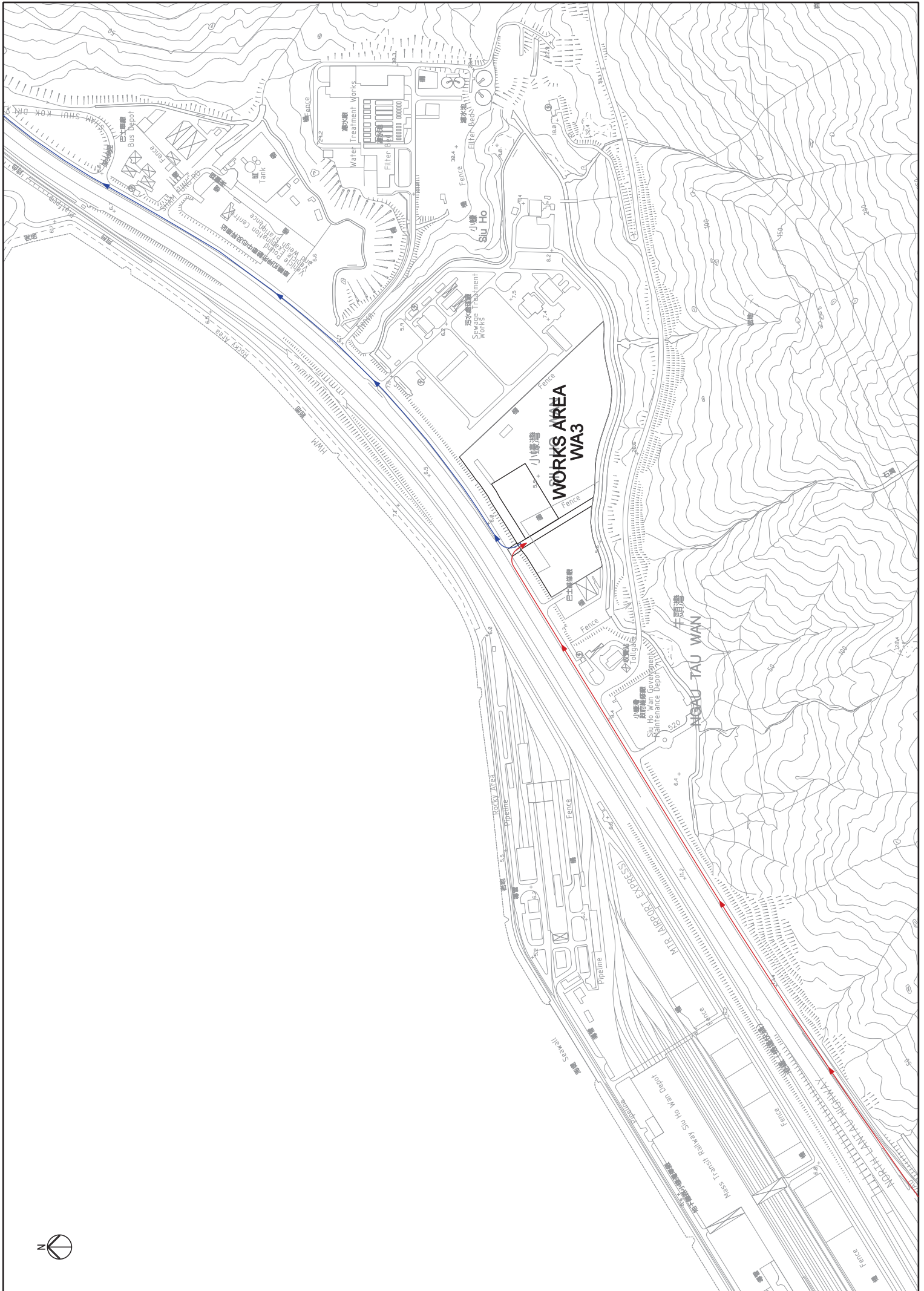
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Drawing title
**WORKS AREAS
 KEY PLAN**

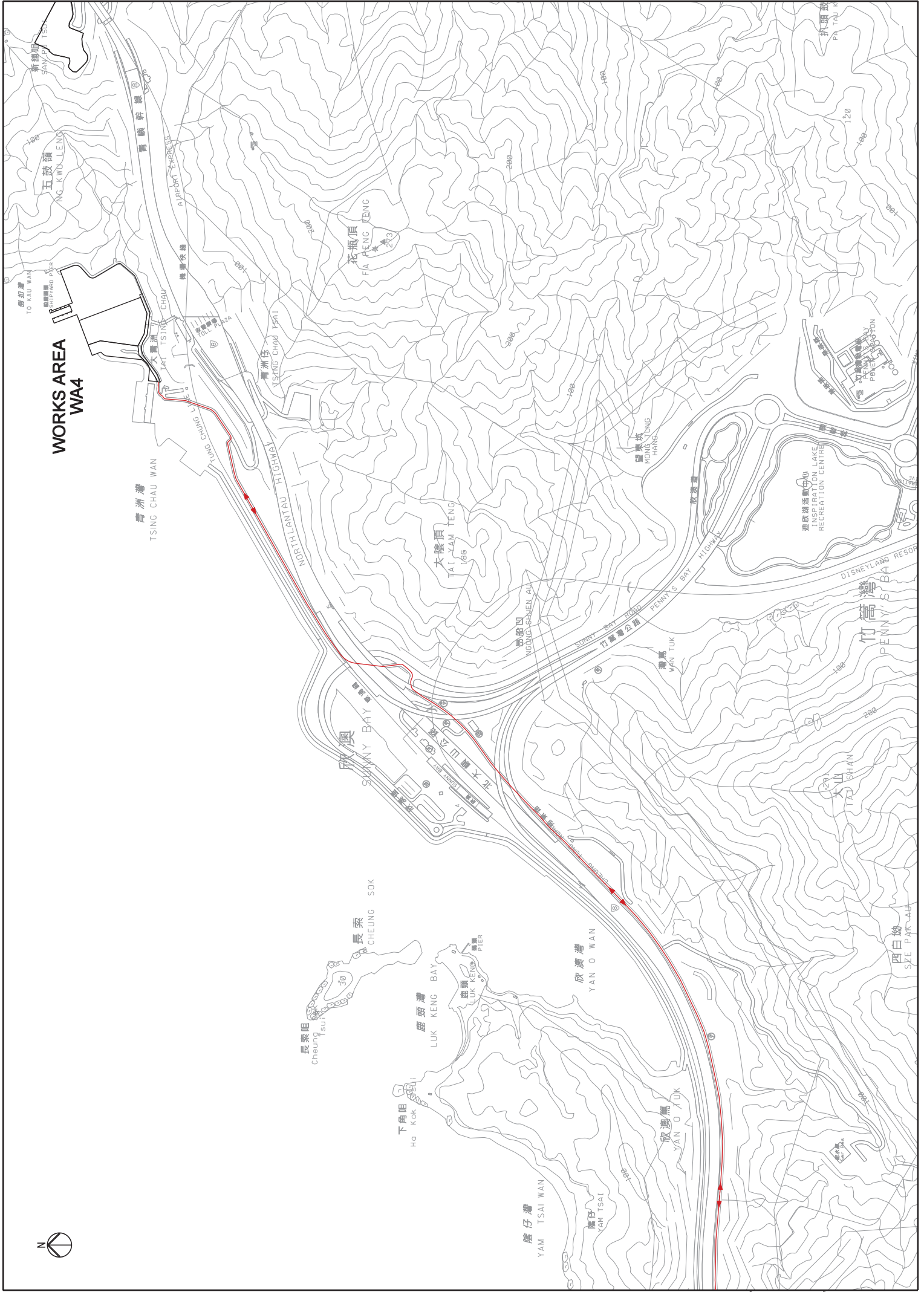
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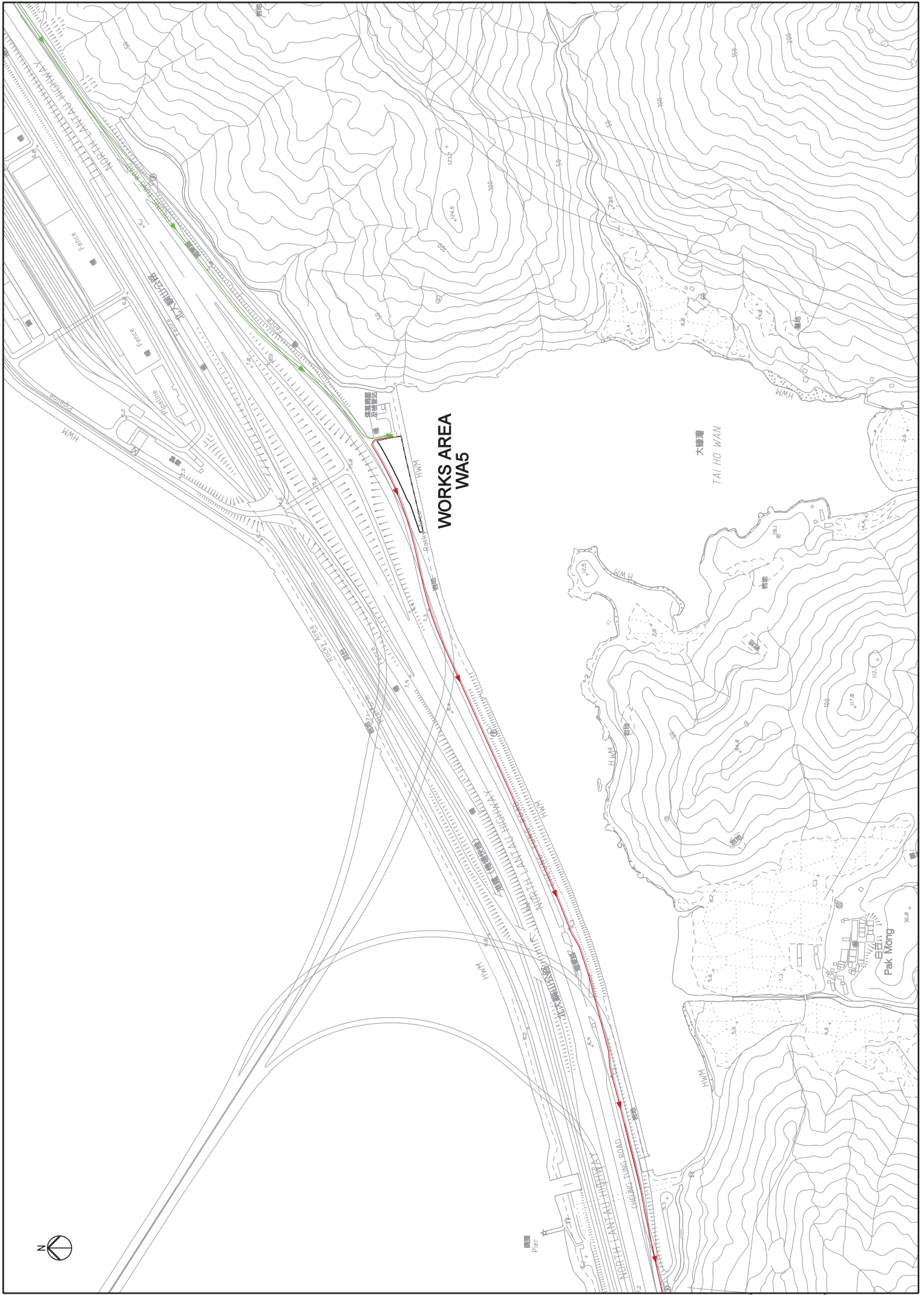


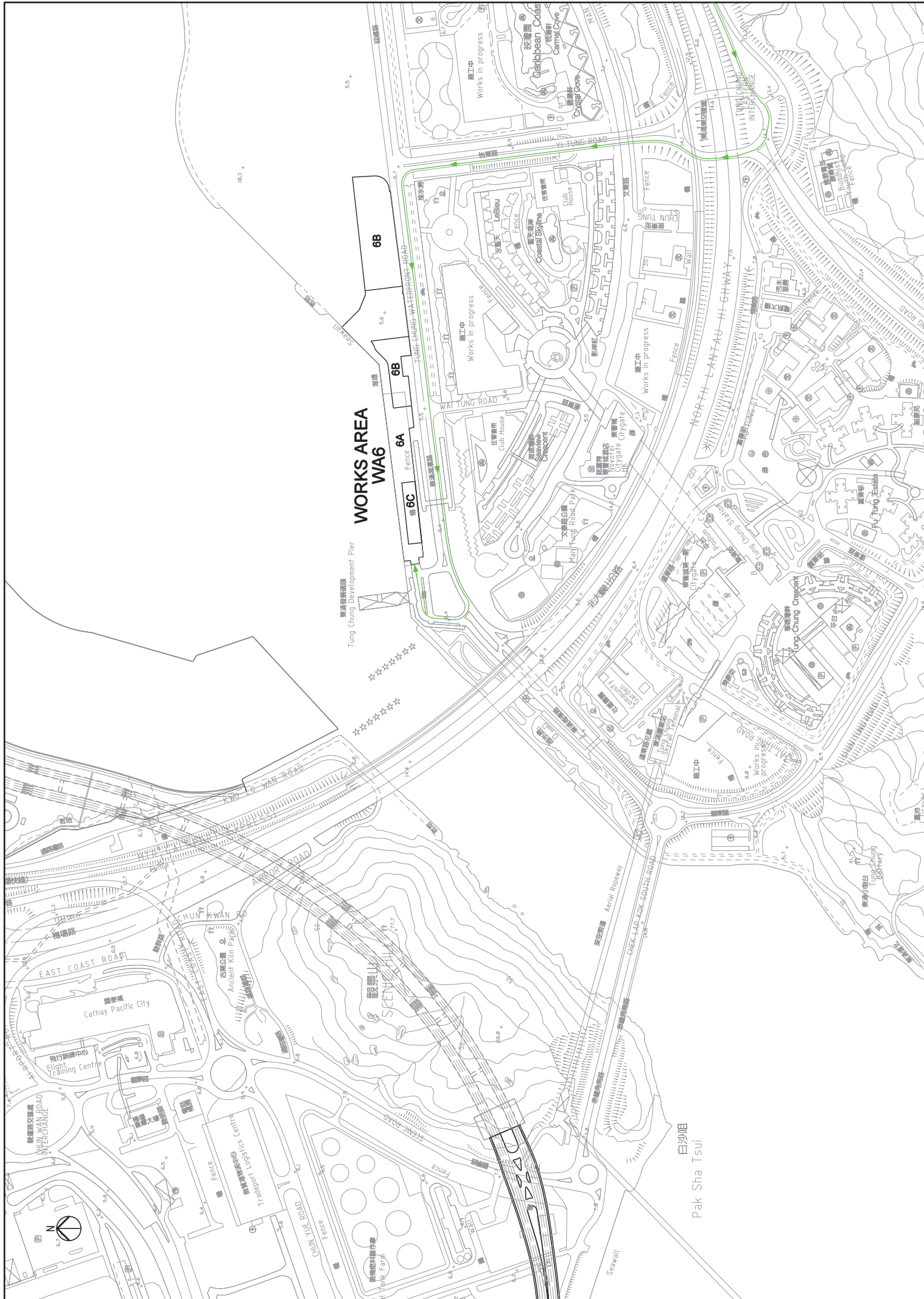




WORKS AREA WA4







WORKS AREA WA6

6B

6A

6C

白沙咀
Pak Sha Tsui

NOTES

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

SETTING OUT CO-ORDINATES OF SITE PORTION C

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

SETTING OUT CO-ORDINATES OF SITE PORTION D1

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

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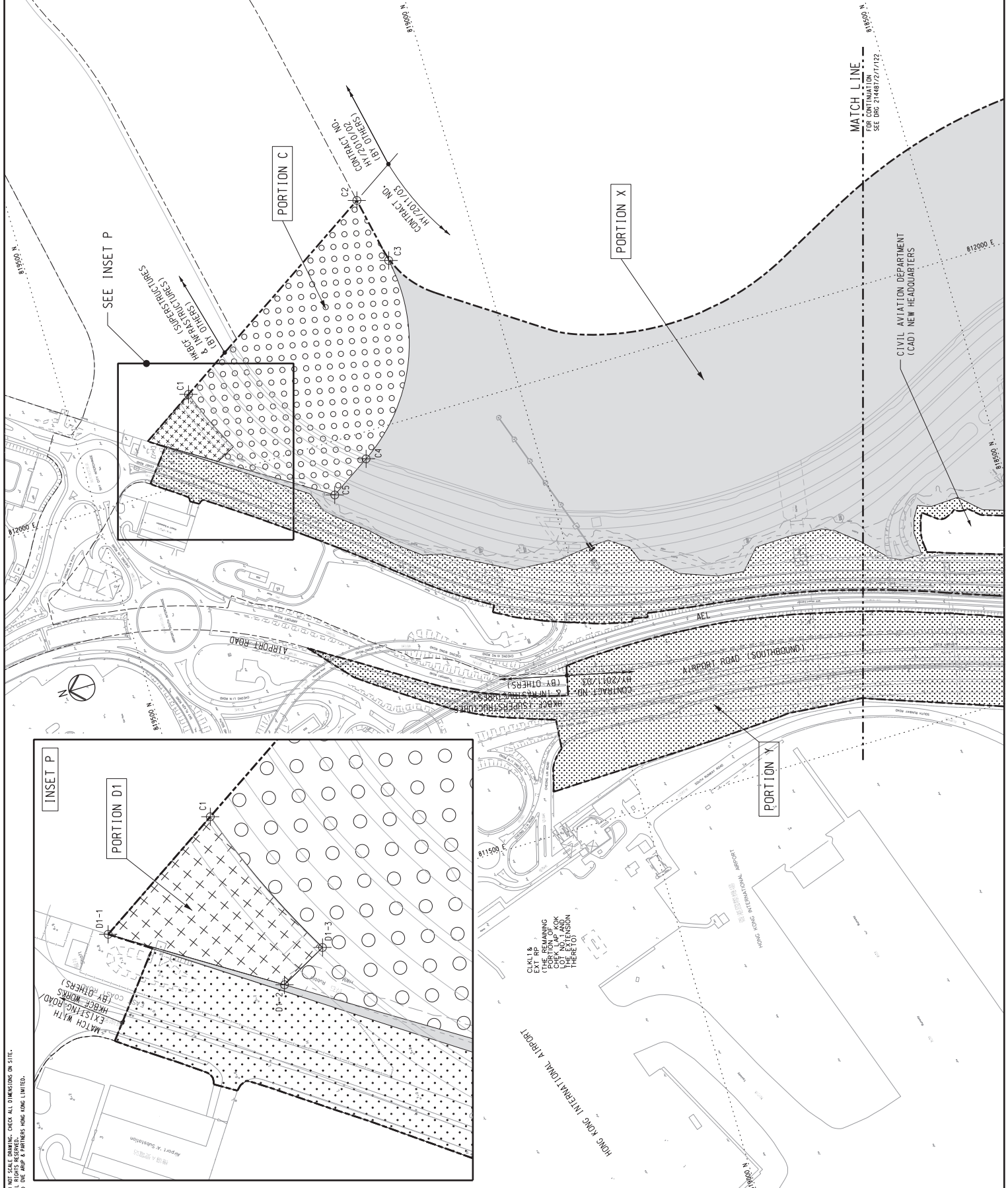
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MATCH LINE

CIVIL AVIATION DEPARTMENT
(CAD) NEW HEADQUARTERS

FUNG FAI ROAD

EXISTING
CIVIL AVIATION DEPARTMENT
BUILDINGS

PORTION X

PORTION Y

KWO LO WAN ROAD

AIRPORT ROAD (SOUTHBOUND)
AIRPORT ROAD (NORTHBOUND)

MATCH LINE

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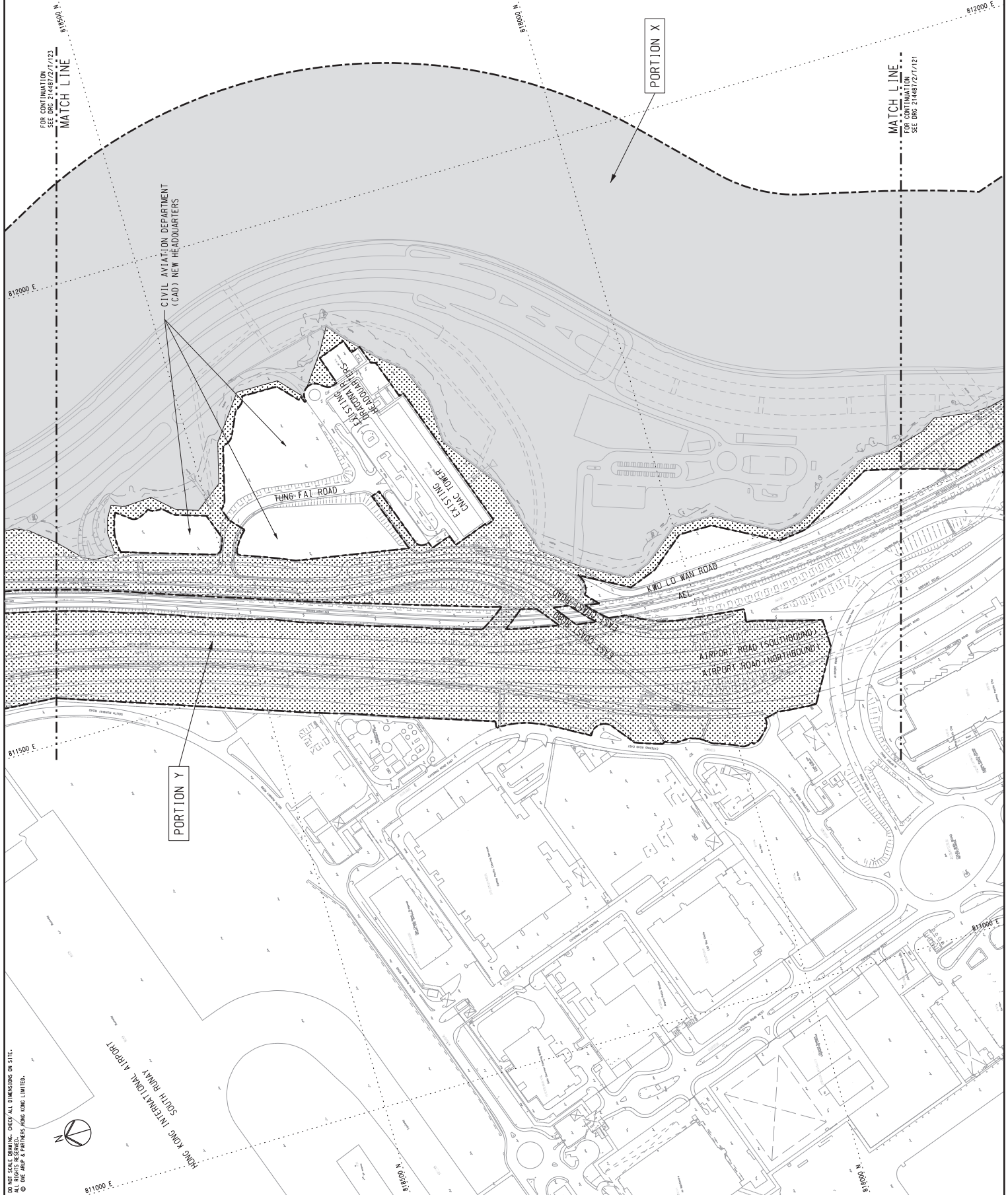
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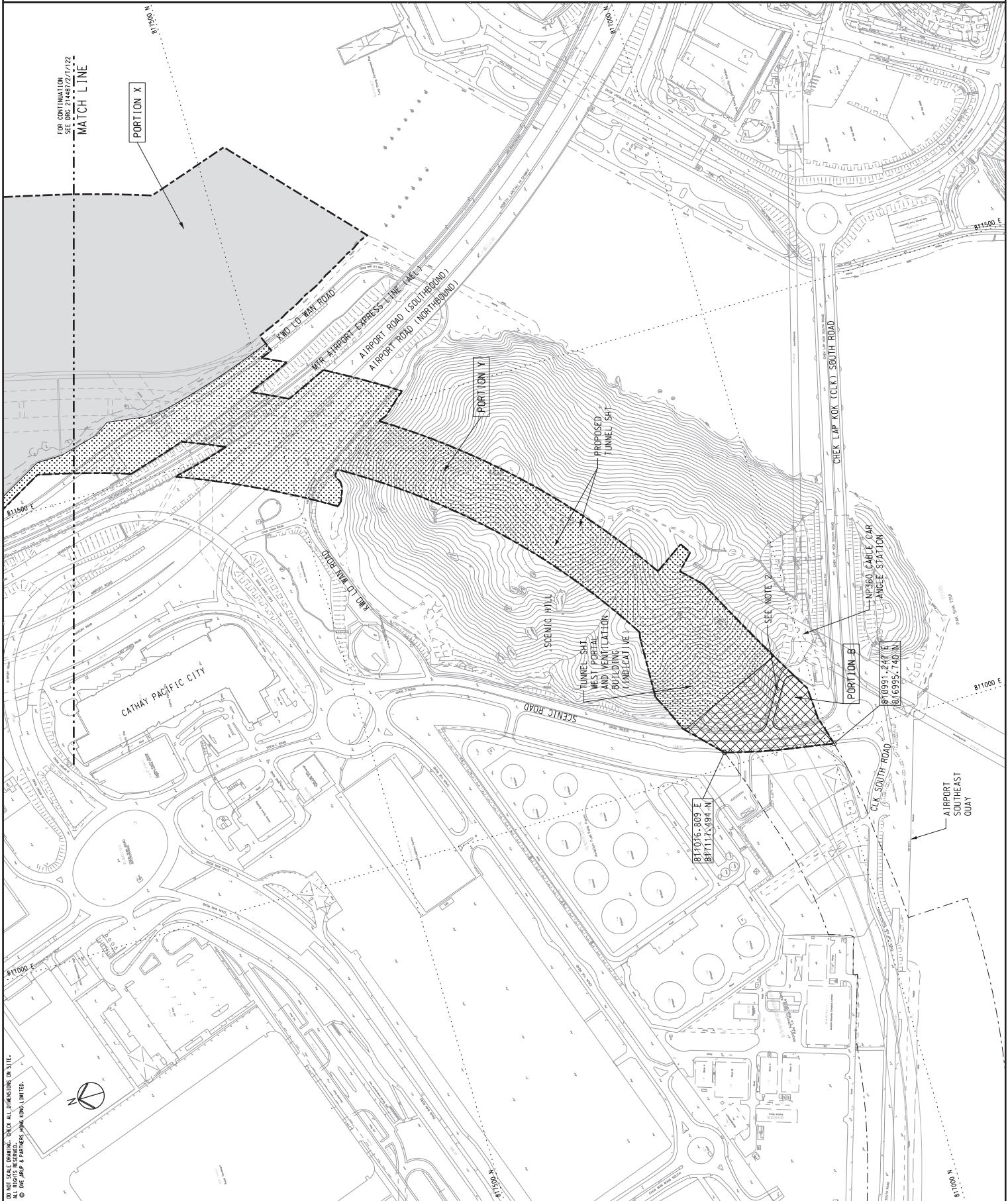


NOTES

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

LEGEND

- SITE BOUNDARY
- ▨ PORTION X
- ▤ PORTION Y
- ▥ PORTION B
- ▦ PORTION C
- ▧ PORTION D1



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PORTION OF SITE
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8th Quarterly EM&A Report (Rev.2)

APPENDIX D

Event and Action Plan



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

Event and Action Plan for Air Quality

Event	Action			
	ET	IEC	SO	Contractor
Exceedance of Action Level for one sample	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method. 	<ol style="list-style-type: none"> 1. Notify Contractor. 	<ol style="list-style-type: none"> 1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
Exceedance of Action Level for two or more consecutive samples	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 1. Submit noise mitigation proposals to IEC; 2. Implement noise mitigation proposals.
Exceedance of Limit Level	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET and Contractor's working methods. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of non-compliance in writing; 2. Notify Contractor. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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; 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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; 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET and Contractor; 2. Discuss monitoring results and findings with the ET and the Contractor. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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; 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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
	<p>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.</p>	<p>implementation of additional monitoring and/or any other mitigation measures and advise ER/SOR the results and findings accordingly.</p>	<p>and/or any other mitigation measures.</p>	

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.	<p>Review historical data to ensure differences are as a result of natural variation or previously observed seasonal differences;</p> <p>Identify source(s) of impact;</p> <p>Inform the IEC, SO and Contractor;</p> <p>Check monitoring data;</p> <p>Discuss additional monitoring and any other measures, with the IEC and Contractor.</p>	<p>Discuss monitoring with the ET and the Contractor;</p> <p>Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the SO accordingly.</p>	<p>Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET;</p> <p>Make agreement on the measures to be implemented.</p>	<p>Inform the SO and in writing;</p> <p>Discuss with the ET and the IEC and propose measures to the IEC and the ER;</p> <p>Implement the agreed measures.</p>



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
8th Quarterly EM&A Report (Rev.2)

APPENDIX E

Implementation Schedule of Environmental Mitigation Measures



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

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Air Quality							
S5.5.6.1	A1	1) The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	✓
S5.5.6.2	A2	2) Proper watering of exposed spoil should be undertaken throughout the construction phase: <ul style="list-style-type: none"> 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; 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 	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		Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S5.5.6.2	A2	<p>properly maintained throughout the construction period;</p> <ul style="list-style-type: none"> 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; 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 	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

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
		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.					
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	✓
S5.5.7.1	A6	<p>The following mitigation measures should be adopted to prevent fugitive dust emissions for concrete batching plant:</p> <ul style="list-style-type: none"> • 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 	Monitor the 24 hr and 1hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria throughout the construction period.	Contractor	Selected representative dust monitoring station	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S5.5.2.7	A7	<p>enclosed;</p> <ul style="list-style-type: none"> 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. <p>The following mitigation measures should be adopted to prevent fugitive dust emissions at barging point:</p> <ul style="list-style-type: none"> 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	✓
S6.4.10	N1	<p>1) Use of good site practices to limit noise emissions by considering the following:</p> <ul style="list-style-type: none"> only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works mobile plant should be sited as far away from NSRs as possible and practicable; material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. 	Control construction airborne noise by means of good site practices	Contractor	All construction sites	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S6.4.11	N2	2) Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening.	Contractor	All construction sites	Construction stage	✓
S6.4.12	N3	3) Install movable noise barriers (typically density @ 14kg/m ²), acoustic mat or full enclosure close to noisy plants including air compressor, generators, saw.	Screen the noisy plant items to be used at all construction sites	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	✓
S6.4.13	N4	4) Select Quiet plants. which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise levels of plant items	Contractor	For plant items listed in Appendix 6D of the EIA report at all construction sites	Construction stage	✓
S6.4.14	N5	5) Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	✓
	N6	6) Implement a noise monitoring under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected representative noise monitoring station	Construction stage	✓
Waste Management (Construction Waste)							
S8.3.8	WM1	<u>Construction and Demolition Material</u>	Good site practice to minimize the waste	Contractor	All construction sites	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		<p>The following mitigation measures should be implemented in handling the waste:</p> <ul style="list-style-type: none"> Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; Carry out on-site sorting; Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; Adopt .Selective Demolition. technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; 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 	<p>generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal</p>				
S8.3.9 - S8.3.11	WM2	<p><u>C&D Waste</u></p> <ul style="list-style-type: none"> 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 	<p>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</p>	Contractor	All construction sites	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S8.2.12 - S8.3.15	WM3	<p>purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage.</p> <ul style="list-style-type: none"> 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. <p><u>Chemical Waste</u></p> <ul style="list-style-type: none"> 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. 	Control the chemical waste and ensure proper storage, and handling and disposal.	Contractor	All construction sites	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S8.3.16	WM4	<p>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.</p> <p><u>Sewage</u></p> <ul style="list-style-type: none"> 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	<p><u>General Refuse</u></p> <ul style="list-style-type: none"> 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, aluminium cans, plastic bottles etc., should be provided. Training should be provided to workers about the concepts of site cleanliness and appropriate 	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Water Quality (Construction Phase)							
S9.11.1 S9.11.1.2	- W1	<p>waste management procedure, including reduction, reuse and recycling of wastes.</p> <ul style="list-style-type: none"> 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 dredging/backfilling, 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 main reclamation dredging and 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 and the stage when such protection could be realised is illustrated in Figure 9.2 and detailed in Appendix 9D6 of the EIA Report. The part of the works where such measures can be undertaken for the majority of the time includes the following locations: <ul style="list-style-type: none"> - TMCLKL northern reclamation; - TMCLKL southern reclamation (after formation of the nips); - Reclamation dredging and filling for Portion 1 of HKLR; Export for dredged spoils from NWWCZ avoiding exerting high demand on the disposal facilities in the NWWCZ and, hence, minimise potential cumulative impacts; For the marine viaducts of HKLR, the bored piling will be undertaken within a metal casing. A maximum of 30% public fill shall be used for all backfilling below -2.5mPD for the southern reclamation of TMCLKL, HKBCF and HKLR projects; where public fill is proposed for filling below -2.5mPD, the fine content in the public fill will be 	To control construction water quality	Contractor	During seawall dredging and filling	Construction stage	✓
S9.11.1 S9.11.1.2	- W1	<ul style="list-style-type: none"> Export for dredged spoils from NWWCZ avoiding exerting high demand on the disposal facilities in the NWWCZ and, hence, minimise potential cumulative impacts; For the marine viaducts of HKLR, the bored piling will be undertaken within a metal casing. A maximum of 30% public fill shall be used for all backfilling below -2.5mPD for the southern reclamation of TMCLKL, HKBCF and HKLR projects; where public fill is proposed for filling below -2.5mPD, the fine content in the public fill will be 	To control construction water quality	Contractor	During seawall dredging and filling	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1.1.2	-	<p>controlled to 25%;</p> <ul style="list-style-type: none"> silt curtains (cage type) will be applied round all grab dredgers during the HKLR southern reclamation works; single layer silt curtains will be applied around all works; during the first two months of dredging work for HKLR, the silt-removal efficiency of the silt-curtains shall be verified by examining the results of water quality monitoring points. The water quality monitoring points to be selected for the above shall be those close to the locations of the initial period of dredging work. Details in this regard shall be determined by the ENPO to be established, taking account of the Contractor's proposed actual locations of his initial period of dredging work. silt curtain shall be fully maintained throughout the works. 		Contractor	During seawall dredging and filling	Construction stage	✓
S9.11.1.1.2	W1	<p>In addition, dredging operations should be undertaken in such a manner as to minimize resuspension of sediments. Standard good dredging practice measures should, therefore, be implemented including the following requirements which should be written into the dredging contract.</p> <ul style="list-style-type: none"> trailer suction hopper dredgers shall not allow mud to overflow; use of Lean Material Overboard (LMOB) systems shall be prohibited; mechanical grabs shall be designed and maintained to avoid spillage and should seal tightly while being lifted; barges and hopper dredgers 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 and hoppers shall be controlled to prevent splashing of dredged 	To control construction water quality	Contractor			✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1.3	W2	<p>material to the surrounding water. Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation;</p> <ul style="list-style-type: none"> • excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved; • 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. <p><u>Land Works</u></p> <p>General construction activities on land should also be governed by standard good working practice. Specific measures to be written into the works contracts should include:</p> <ul style="list-style-type: none"> • wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters; • sewage effluent and discharges from on-site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided; • storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal 	To control construction water quality	Contractor	During seawall dredging and filling	Construction stage	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		<p>facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks;</p> <ul style="list-style-type: none"> • silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly including specifically at the onset of and after each rainstorm; • temporary access roads should be surfaced with crushed stone or gravel; • rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; • measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system; • open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms; • manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm runoff 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; 					

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1.3	W2	<ul style="list-style-type: none"> all vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit; wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain; the section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel; wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects; vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal; the contractors shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately; waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance; all fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank; and surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system. 	To control construction water quality	Contractor	During seawall dredging and filling	Construction stage	✓
S9.14	W3	Implement a water quality monitoring programme	Control water quality	Contractor	At identified monitoring	During construction	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Ecology (Construction Phase)							
S10.7	E1	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Use closed grab in dredging works. Install silt curtain during the construction. Limit dredging and works fronts. Construct seawall prior to reclamation filling where practicable. Good site practices Strict enforcement of no marine dumping. Site runoff control Spill response plan 	Minimise marine water quality impacts	Contractor	Seawall, reclamation area	During construction	✓
S10.7	E4	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Good site practices, including strictly following the permitted works hours, using quieter machines where practicable, and avoiding excessive lightings during night time 	Prevent disturbance to terrestrial fauna and habitats	Contractor	Land-based works areas	During construction	✓
S10.7	E6	<ul style="list-style-type: none"> Dolphin Exclusion Zone; Dolphin watching plan 	Minimize temporary marine habitat loss impact to dolphins	Contractor	Marine works	During marine works	✓
S10.7	E7	<ul style="list-style-type: none"> Decouple compressors and other equipment on working vessels Avoidance of percussive piling Marine underwater noise monitoring 	Minimise marine noise impacts on dolphins	Contractor	Marine works	During marine works	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S10.7	E8	<ul style="list-style-type: none"> 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 Control vessel speed Skipper training, Predefined and regular routes for working vessels; avoid Brothers Islands. 	Minimise marine traffic disturbance dolphins	Contractor	Marine traffic	During marine works	✓
S10.10	E9	<ul style="list-style-type: none"> Dolphin vessel monitoring Mudflat ecological monitoring 	Minimise marine traffic disturbance dolphins	Contractor	North Lantau and West Lantau	Prior to construction, during construction, and 1 year after operation	✓
Ecology (Operation Phase)							
S10.7	E10	<ul style="list-style-type: none"> Preconstruction dive survey for corals 	Minimise impacts on marine ecology	Contractor	The marine pier sites nearest to intertidal zone and along the shore of the HKLR reclamation site	Prior to marine construction works in these locations	✓
Fisheries							
S11.7	F2	<ul style="list-style-type: none"> Reduce re-suspension of sediments Limit dredging and works fronts. Good site practices Strict enforcement of no marine dumping. Spill response plan 	Minimise water quality impacts	Contractor	Seawall, reclamation area	During construction	✓
S11.7	F3	<ul style="list-style-type: none"> Install silt-grease trap in the drainage system collecting surface runoff 	Minimise impacts on marine water quality	Designer	Reclamation area	During construction	✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S11.7	F4	<ul style="list-style-type: none"> Maritime Oil Spill Response Plan (MOSRP); Contingency plan. 	Minimise impacts on marine water quality	Management	HKLR	During operation	✓
Landscape & Visual (Detailed Design Phase)							
S14.3.3.1	LV1	<p>General design measures include:</p> <ul style="list-style-type: none"> Roadside planting and planting along the edge of the reclamation is proposed; Transplanting of mature trees in good health and amenity value where appropriate and reinstatement of areas disturbed during construction by compensatory hydro-seeding and planting; Protection measures for the trees to be retained during construction activities; Optimizing the sizes and spacing of the bridge columns; Fine-tuning the location of the bridge columns to avoid visually sensitive locations; Aesthetic design of the bridge form and its structural elements for HKLR, e.g. parapet, soffit, columns, lightings and so on; Considering the decorative urban design elements for HKLR, e.g. decorative road lightings; Maximizing new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed; Providing planting area around peripheral of HKLR for tree planting screening effect; Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline. 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 	Minimise visual & landscape impact	Detailed designer	HKLR	Design Stage	
S14.3.3.1			Minimise visual & landscape impact	Detailed designer	HKLR	Design Stage	

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
Landscape & Visual (Construction Phase)							
S14.3.3.3	LV2	<p>Mitigate both Landscape and Visual Impacts</p> <p>G1. Grass-hydroseed bare soil surface and stock pile areas.</p> <p>G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic.</p> <p>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 (refer to Figure 14.4.3).</p> <p>G4. Vegetation reinstatement and upgrading to disturbed areas.</p> <p>G5. Maximize new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed.</p> <p>G6. Provide planting area around peripheral of and within HKLR for tree screening buffer effect.</p> <p>G7. Plant salt tolerant native tree and shrubs etc along the planterstrip at affected seawall.</p> <p>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).</p>	Minimise visual & landscape impact	Contractor	HKLR	Construction stage	✓
S14.3.3.3	LV3	<p>Mitigate Visual Impacts</p> <p>V1. Minimize time for construction activities during construction period.</p>					✓

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
EM&A S15.5 - S15.6	EM2	<p>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.</p> <p>1) An Environmental Team needs to be employed as per the EM&A Manual.</p> <p>2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures.</p> <p>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.</p>	Perform environmental monitoring & auditing	Contractor	All construction sites	Construction stage	✓



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
8th Quarterly EM&A Report (Rev.2)

APPENDIX F

Site Audit Findings and Corrective Actions



中國建築工程(香港)有限公司
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Appendix F – Site Audit Findings and Corrective Actions

1.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. During the reporting period, thirteen site inspections were carried out on 4, 11, 18 and 27 June 2014, 2, 9, 16, 25 and 30 July 2014 and 6, 13, 20 and 29 August 2014.

1.1.2 Particular observations during the site inspections are described below.

4 June 2014

- (a) Stagnant water inside a wheel-barrow was observed at N13. The wheel barrow was removed at N13. (This observation was found 30 May 2014 and closed on 4 June 2014.)
- (b) Stagnant water inside the drip tray of a generator was observed at N1. The stagnant water inside the drip tray of a generator was removed at N1. (This observation was found 30 May 2014 and closed on 4 June 2014.)
- (c) Bags of cement were not entirely covered at N1. The cement bags were removed at N1. (This observation was found 30 May 2014 and closed on 4 June 2014.)
- (d) No vehicle washing bay was provided at site exit of S8/S9. A vehicle washing bay was provided at the site exit of S8/S9. (This observation closed on 11 June 2014.)
- (e) Fugitive dust emission was observed when piling works were undertaken at S11. An impervious cover was provided for the piling works at S11. (This observation closed on 11 June 2014.)
- (f) Oily films were observed on the ground near an air pressure pump at S11. The oily films were removed near the air pressure pump at S11. (This observation was found 4 June 2014 and closed on 11 June 2014.)
- (g) Dust emission was observed when the vehicle moved at S25. A water bowser tanker was used to spraying water on dry unpaved road at S25. (This observation closed on 11 June 2014.)
- (h) A dry unpaved road was found at S25. There was a potential of fugitive dust emission. A water bowser tanker was used to spraying water on dry unpaved road at S25. (This observation closed on 11 June 2014.)
- (i) No waste water treatment system/facility was connected to the wheel washing bay at S25. A waste water treatment system/facility was connected to the wheel washing bay at S25. (This observation closed on 11 June 2014.)

11 June 2014

- (a) Fugitive dust emission was observed when piling works were undertaken at S11. An impervious layer was provided for the piling works at S11. (This observation was closed on 18 June 2014.)
- (b) The cement mixing plant was not covered properly at S11. The cement mixing plant was covered properly at S11. (This observation was closed on 18 June 2014.)
- (c) Construction equipment were stored adjacent to the trees at S11. The construction equipment were removed from the trees at S11. (This observation was closed on 18 June 2014.)
- (d) Stagnant water was found inside a disused wheel washing bay at N4. Stagnant water was drained from a disused wheel washing bay at N4. (This observation was closed on 18 June 2014.)
- (e) The stockpiles of materials were found in dry condition at N13. The stockpiles of dry materials were sprayed with water at N13. (This observation was closed on 18 June 2014.)

- (f) Poor condition of noise barrier was found at S16 since the site inspection undertaken on 11 June 2014. The Contractor was reminded to provide maintenance for the noise barrier at S16. Rectification work is in progress.
- (g) Sub-standard wheel washing facility was found at S25 since the site inspection undertaken on 11 June 2014. The Contractor was reminded to enhance the wheel washing facility at S25. Rectification work is in progress.

18 June 2014

- (a) The overlapping length of the vessel access opening formed by two pieces of silt curtain was found less than 150m. The overlapping length of two pieces of silt curtain for the vessel access opening was observed over 150m. (This observation was closed on 27 June 2014.)
- (b) No sandbags were provided along the public road at N13 to avoid washing away of sand from construction site into the public road. Sandbags were provided along the public road at N13. (This observation was closed on 27 June 2014.)
- (c) The noise enclosure was not fully enclosed at S23. Noise enclosure was enclosed fully at S23. (This observation was closed on 27 June 2014.)
- (d) Leakage of oil from an excavator was found at S16. Oil stains were cleaned up at S16. (This observation was closed on 27 June 2014.)
- (e) Fill materials were found at the edge of vessel of Chung Sheng 308 at S7. Fill materials at the edge of vessel of Chung Sheng 308 at S7. (This observation was closed on 27 June 2014.)
- (f) No water drainage channel was provided for flood protection at S15. Drainage system was provided at S15. (This observation was closed on 27 June 2014.)
- (g) The impervious sheet of the dump truck was found damaged at S16. Impervious sheet of dump truck was repaired at S16. (This observation was closed on 27 June 2014.)
- (h) Poor condition of noise barrier was found at S16 since the site inspection on 11 June 2014. Rectification work is in progress. The Contractor was reminded to provide maintenance to noise barrier at S16.
- (i) Sub-standard wheel washing facilities were found at S25 since the site inspection on 11 June 2014. Rectification work is in progress. The Contractor was reminded to enhance standard of wheel washing facilities at S25.

27 June 2014

- (a) No drip tray and chemical label were provided for the unknown chemicals at N4. The Contractor was reminded to provide drip tray and label to chemical containers at N4.
- (b) Stagnant water was found in the wheel washing at N4. The Contractor was reminded to clean up the wheel washing bay regularly at N4.
- (c) Insufficient tree protection was found at N4. The Contractor was reminded to remove construction materials and fence off the tree at N4.
- (d) Accumulation of rubbish was found in rubbish disposal area at S15. The Contractor was reminded to remove rubbish frequently at S15.
- (e) Leakage of oily film was found from the drip tray at S15. The Contractor should provide the stopper to drip tray to avoid oil leakage at S15.
- (f) Stagnant water was found in the drip tray at N1. The Contractor was reminded to remove stagnant water at N1.
- (g) Opening of water barrier without cover was observed at N1. The Contractor was reminded to seal the water barrier at N1.

- (j) Poor condition of noise barrier was found at S16 since the site inspection on 11 June 2014. Rectification work is in progress. The Contractor was reminded to provide maintenance to noise barrier at S16.
- (k) Sub-standard wheel washing facilities was found at S25 since the site inspection on 11 June 2014. Rectification work is in progress. The Contractor was reminded to enhance standard of wheel washing facilities at S25.

2 July 2014

- (a) Poor condition of noise barrier was found at S16. Maintenance to noise barrier was provided at S16. (This observation was found 11 June 2014 and closed on 2 July 2014.)
- (b) Sub-standard wheel washing facilities was found at S25. The standard of wheel washing facilities was enhanced at S25. (This observation was found 11 June 2014 and closed on 2 July 2014.)
- (c) No drip tray and chemical label were provided for the unknown chemicals at N4. The unknown chemicals without chemical labels were removed at N4. (This observation was found 27 June 2014 and closed on 2 July 2014.)
- (d) Stagnant water was found in the wheel washing at N4. The stagnant water was removed from the wheel washing bay at N4. (This observation was found 27 June 2014 and closed on 2 July 2014.)
- (e) Insufficient tree protection was found at N4. The stockpile of sand bags was removed from the trees at N4. (This observation was found 27 June 2014 and closed on 2 July 2014.)
- (f) Accumulation of rubbish was found in rubbish disposal area at S15. The accumulated rubbish was removed from the rubbish disposal area at S15. (This observation was found 27 June 2014 and closed on 2 July 2014.)
- (g) Leakage of oily film was found from the drip tray at S15. The oily film was removed at S15. (This observation was found 27 June 2014 and closed on 2 July 2014.)
- (h) Stagnant water was found in the drip tray at N1. Stagnant water was removed in the drip tray at N1. (This observation was found 27 June 2014 and closed on 2 July 2014.)
- (i) Opening of water barrier without cover was observed at N1. The opening of water barrier was sealed at N1. (This observation was found 27 June 2014 and closed on 2 July 2014.)
- (j) No sand bags were provided to prevent leakage of muddy water onto the public road at S11-S15. Sand bags were provided to prevent leakage of muddy water onto the public road at S11-S15. (This observation was closed on 9 July 2014.)
- (k) Water barriers were stored near the trees at S11-S15. The water barriers stored near the trees were removed at S11-S15. (This observation was closed on 9 July 2014.)
- (l) Accumulation of waste was found at S15. The accumulated waste was removed at S15. (This observation was closed on 9 July 2014.)
- (m) A chemical container was found without drip tray and chemical label at Chun Ming 83. The chemical container without drip tray and chemical label at Chun Ming 83 was removed. (This observation was closed on 9 July 2014.)
- (n) Gaps were found between silt curtain and seashore at S16. Maintenance works were undertaken for the silt curtain and no gaps were found between silt curtain and seashore at S16. (This observation was closed on 9 July 2014.)
- (o) Curved silt curtain was found. The curved silt curtain was straightened. (This observation was closed on 9 July 2014.)
- (p) Poor condition of noise barriers were found at S16. Proper maintenance was provided for the noise barriers at S16. (This observation was closed on 9 July 2014.)

9 July 2014

- (a) The cover of dump truck (number plate: HA196) was found damaged at S15. The damaged dump truck cover (number plate: HA196) was repaired at S15. (This observation was closed on 16 July 2014.)
- (b) Curved silt curtain was found. The curved silt curtain was straightened. (This observation was closed on 16 July 2014.)
- (c) The drainage system was found blocked by the silt and debris at S23. The silt and debris was cleared out of the drainage system at S23. (This observation was closed on 16 July 2014.)
- (d) Accumulation of rubbish was found at S15. The accumulated rubbish was removed at S15. (This observation was closed on 16 July 2014.)
- (e) Cement bags were found without cover at S15. The uncovered cement bags were removed at S15. (This observation was closed on 16 July 2014.)
- (f) Black smoke emission was observed from vessel Chun Ming 18 at S7. The air filter from the emission system of vessel Chun Ming 18 at S7 was replaced. (This observation was closed on 16 July 2014.)
- (g) Stagnant water was found in the H-pile at N4. The stagnant water was removed from the H-pile at N4. (This observation was closed on 16 July 2014.)
- (h) The cement mixing plant was found without proper cover at S11. A cover was added to the cement mixing plant at S11. (This observation was closed on 16 July 2014.)

16 July 2014

- (a) The water barrier was found damaged at WA6. The opening of water barrier was repaired at WA6. (This observation was closed on 25 July 2014.)
- (b) The unpaved road was found dry at S15. The unpaved road was sprayed with water at S15. (This observation was closed on 25 July 2014.)
- (c) Curved silt curtain was found. The curved silt curtain was straightened. (This observation was closed on 25 July 2014.)
- (d) Improper wheel washing facility was provided at the exit of N20 since the site inspection on 16 July 2014. Rectification work is in progress. The Contractor was reminded to provide proper wheel washing facility at the exit of N20. (This observation was still outstanding on 30 July 2014.)
- (e) Accumulation of waste was found at S15. Waste was cleared at S15. (This observation was closed on 25 July 2014.)
- (f) Stagnant water was found inside a drip tray at N1. Stagnant water inside the drip tray was cleared at N1. (This observation was closed on 25 July 2014.)

25 July 2014

- (a) Accumulation of rubbish was found at S15 and N4. Rubbish was removed at S15 and N4. (This observation was closed on 30 July 2014.)
- (b) Stagnant water was found in the wheel washing bay at N4. Stagnant water was cleared in the wheel washing bay at N4. (This observation was closed on 30 July 2014.)
- (c) Stagnant water was found on the H-beam at N4. Stagnant water was cleared on the H-beam at N4. (This observation was closed on 30 July 2014.)
- (d) Oil stain was found in the drip tray at N1. Oil stain in the drip tray was cleared properly at N1. (This observation was closed on 30 July 2014.)
- (g) Improper wheel washing facility was provided at the exit of N20 since the site inspection on 16 July 2014. Rectification work is in progress. The Contractor was reminded to provide proper wheel washing facility at the exit of N20. (This observation was still outstanding on 30 July 2014.)

- (h) Improper wheel washing facilities were provided at the entrance/exit at S22 since the site inspection on 25 July 2014. Rectification work is in progress. The Contractor was reminded to provide proper wheel washing facility at the entrance/exit of S22. (This observation was still outstanding on 30 July 2014.)

30 July 2014

- (a) Poor condition of silt curtain was found. The Contractor was reminded to straighten the curved silt curtain.
- (b) Damaged hoarding was found at S11. The Contractor was reminded to provide maintenance to the damaged hoarding at S11.
- (c) Poor condition of noise barriers was found at S16. The Contractor was reminded to provide maintenance to noise barriers at S16.
- (d) No drip tray and chemical labels were provided for the chemicals at S25. The Contractor was reminded to provide chemical labels and drip tray for the chemicals at S25.
- (e) Dust was generated from the unpaved road at S15. The Contractor was reminded to spray water on the unpaved road at S15.
- (f) The cement mixing plant was found without proper cover at the top and 3 sides at S9. The Contractor was reminded to provide proper cover at the top and 3 sides at S9.
- (h) Improper wheel washing facility was provided at the exit of N20 since the site inspection on 16 July 2014. Rectification work is in progress. The Contractor was reminded to provide proper wheel washing facility at the exit of N20.
- (i) Improper wheel washing facilities were provided at the entrance/exit at S22 since the site inspection on 25 July 2014. Rectification work is in progress. The Contractor was reminded to provide proper wheel washing facility at the entrance/exit of S22.

6 August 2014

- (a) Poor condition of silt curtain was found. The curved silt curtain was straightened. (This observation was found on 30 July 2014 and closed on 6 August 2014.)
- (b) Damaged hoarding was found at S11. The damaged hoarding was repaired at S11. (This observation was found on 30 July 2014 and closed on 6 August 2014.)
- (c) Poor condition of noise barriers was found at S16. The poor condition of noise barriers were repaired at S16. (This observation was found on 30 July 2014 and closed on 6 August 2014.)
- (d) No drip tray and chemical labels were provided for the chemicals at S25. A drip tray and chemical labels were provided to the chemical containers at S25. (This observation was found on 30 July 2014 and closed on 6 August 2014.)
- (e) Dust was generated from the unpaved road at S15. A water bowser tanker was used to spray water on the dusty unpaved road at S15. (This observation was found on 30 July 2014 and closed on 6 August 2014.)
- (f) The cement mixing plant was found without proper cover at the top and 3 sides at S9. The cement mixing plant was removed at S9. (This observation was found on 30 July 2014 and closed on 6 August 2014.)
- (j) Black smoke emission was observed from vessel Shun Tak 22. The air filter was replaced from the emission system on vessel Shun Tak 22. (This observation was closed on 13 August 2014.)
- (k) Gaps were found between silt curtains. The gaps between silt curtains were enclosed. (This observation was closed on 13 August 2014.)
- (l) Waste oil was stored in an improper container and no drip tray was provided for the waste oil container at N13. The improper waste oil container was removed at N13. (This observation was closed on 13 August 2014.)

- (m) Accumulation of rubbish and leachate were found at S15. The accumulated rubbish was removed and leachate was cleaned up at S15. (This observation was closed on 13 August 2014.)
- (n) Oil stain was found on the ground at N4. The oil stain was cleaned up. (This observation was closed on 13 August 2014.)
- (o) Stagnant water was found inside the H-beam at N4. The stagnant water was removed from the H-beam at N4. (This observation was closed on 13 August 2014.)
- (p) An improper wheel washing facility was provided at the exit of N20 since the site inspection undertaken on 16 July 2014. Rectification work was being undertaken. The Contractor was reminded to provide a proper wheel washing facility at the exit of N20 as soon as possible.
- (q) An improper wheel washing facility was provided at the entrance/exit at S22 since the site inspection on 25 July 2014. Rectification work was being undertaken. The Contractor was reminded to provide a proper wheel washing facility at the entrance/exit of S22 as soon as possible.

13 August 2014

- (a) Oil stain was found on the deck of vessel Shun Tak 82. The oil stain was removed from the deck of vessel Shun Tak 82. (This observation was closed on 20 August 2014.)
- (b) Gaps were found between silt curtains. The gaps between silt curtains were enclosed. (This observation was closed on 20 August 2014.)
- (c) Fill materials were found at the edge of vessel Kiu Tak at S7. The fill materials were removed from the edge of vessel Kiu Tak at S7. (This observation was closed on 20 August 2014.)
- (d) Muddy water was discharged from vessel Shun Tak 22 at S15-S16. No muddy water discharge from vessel Shun Tak 22 was stopped. (This observation was closed on 20 August 2014.)
- (e) Dust emission was observed from the breaking activity at N1. Water spray was used to suppress dust emission from the breaking activity at N1. (This observation was closed on 20 August 2014.)
- (f) No sand bags were provided along the seafront of S7 to prevent surface runoff to the sea. Sand bags were provided along the seafront of S7 to prevent surface run-off to the sea. (This observation was closed on 20 August 2014.)
- (g) An improper wheel washing facility was provided at the exit of N20 since the site inspection undertaken on 16 July 2014. Rectification work was being undertaken. The Contractor was reminded to provide a proper wheel washing facility at the exit of N20 as soon as possible.
- (h) An improper wheel washing facility was provided at the entrance/exit at S22 since the site inspection on 25 July 2014. Rectification work was being undertaken. The Contractor was reminded to provide a proper wheel washing facility at the entrance/exit of S22 as soon as possible.

20 August 2014

- (a) Curved silt curtain was found. The curved silt curtain was straightened. (This observation was closed on 29 August 2014.)
- (b) The drip tray was found without stopper at N4. A stopper was provided for the drainage hole of the drip tray at N4. (This observation was closed on 29 August 2014.)
- (c) Stagnant water was found inside the H-beam at N4. The stagnant water inside the H-beam at N4 was cleared. (This observation was closed on 29 August 2014.)

- (d) Stagnant water was found on the ground at N13. The Stagnant water was cleared on the ground at N13. (This observation was still outstanding on 29 August 2014.)
- (e) A chemical container was found without drip tray and chemical label at N13. The chemical container was removed at N13. (This observation was closed on 29 August 2014.)
- (f) Accumulation of rubbish was found at N1. The accumulated rubbish at N1 was cleared. (This observation was closed on 29 August 2014.)
- (g) An improper wheel washing facility was provided at the exit of N20 since the site inspection undertaken on 16 July 2014. Rectification work was being undertaken. The Contractor was reminded to provide a proper wheel washing facility at the exit of N20 as soon as possible.
- (h) An improper wheel washing facility was provided at the entrance/exit at S22 since the site inspection on 25 July 2014. Rectification work was being undertaken. The Contractor was reminded to provide a proper wheel washing facility at the entrance/exit of S22 as soon as possible.

29 August 2014

- (a) Stagnant water was found in the recesses of the concrete block at N4. The Contractor was reminded to fill up the recesses to avoid accumulation of water.
- (b) Stagnant water was found inside the H-beam and N4. The Contractor was reminded to drain the stagnant water inside the H-beam at N4.
- (c) A stockpile of concrete debris was found dry at N4. The Contractor was reminded to implement dust control measure to avoid fugitive dust emission.
- (d) Lubricant oil drums were found without chemical labels at N4. The Contractor was reminded to provide chemical labels for all oil/chemical drums on site.
- (e) Stagnant water was found at the abutment at N1. The Contractor was reminded to remove the stagnant water at the abutment.
- (f) An improper wheel washing facility was provided at the exit of N20 since the site inspection undertaken on 16 July 2014. Rectification work was being undertaken. The Contractor was reminded to provide a proper wheel washing facility at the exit of N20 as soon as possible.
- (g) An improper wheel washing facility was provided at the entrance/exit at S22 since the site inspection on 25 July 2014. Rectification work was being undertaken. The Contractor was reminded to provide a proper wheel washing facility at the entrance/exit of S22 as soon as possible.

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



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
8th Quarterly EM&A Report (Rev.2)

APPENDIX G

Air Quality Monitoring Data and Graphical Plots



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

Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2014-06-03	AMS5	09:33	1-hr TSP	15	ug/m ³
HKLR	HY/2011/03	2014-06-03	AMS5	10:33	1-hr TSP	13	ug/m ³
HKLR	HY/2011/03	2014-06-03	AMS5	11:33	1-hr TSP	13	ug/m ³
HKLR	HY/2011/03	2014-06-06	AMS5	09:03	1-hr TSP	13	ug/m ³
HKLR	HY/2011/03	2014-06-06	AMS5	10:03	1-hr TSP	20	ug/m ³
HKLR	HY/2011/03	2014-06-06	AMS5	11:03	1-hr TSP	17	ug/m ³
HKLR	HY/2011/03	2014-06-12	AMS5	08:45	1-hr TSP	31	ug/m ³
HKLR	HY/2011/03	2014-06-12	AMS5	09:45	1-hr TSP	32	ug/m ³
HKLR	HY/2011/03	2014-06-12	AMS5	10:45	1-hr TSP	41	ug/m ³
HKLR	HY/2011/03	2014-06-18	AMS5	13:03	1-hr TSP	11	ug/m ³
HKLR	HY/2011/03	2014-06-18	AMS5	14:03	1-hr TSP	14	ug/m ³
HKLR	HY/2011/03	2014-06-18	AMS5	15:03	1-hr TSP	15	ug/m ³
HKLR	HY/2011/03	2014-06-24	AMS5	13:03	1-hr TSP	20	ug/m ³
HKLR	HY/2011/03	2014-06-24	AMS5	14:03	1-hr TSP	19	ug/m ³
HKLR	HY/2011/03	2014-06-24	AMS5	15:03	1-hr TSP	5	ug/m ³
HKLR	HY/2011/03	2014-06-30	AMS5	13:00	1-hr TSP	15	ug/m ³
HKLR	HY/2011/03	2014-06-30	AMS5	14:00	1-hr TSP	19	ug/m ³
HKLR	HY/2011/03	2014-06-30	AMS5	15:00	1-hr TSP	13	ug/m ³
HKLR	HY/2011/03	2014-07-04	AMS5	09:35	1-hr TSP	10	ug/m ³
HKLR	HY/2011/03	2014-07-04	AMS5	10:35	1-hr TSP	11	ug/m ³
HKLR	HY/2011/03	2014-07-04	AMS5	11:35	1-hr TSP	12	ug/m ³
HKLR	HY/2011/03	2014-07-10	AMS5	13:35	1-hr TSP	5	ug/m ³
HKLR	HY/2011/03	2014-07-10	AMS5	14:35	1-hr TSP	4	ug/m ³
HKLR	HY/2011/03	2014-07-10	AMS5	15:35	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-07-16	AMS5	13:18	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-07-16	AMS5	14:18	1-hr TSP	6	ug/m ³
HKLR	HY/2011/03	2014-07-16	AMS5	15:18	1-hr TSP	7	ug/m ³
HKLR	HY/2011/03	2014-07-22	AMS5	13:00	1-hr TSP	46	ug/m ³
HKLR	HY/2011/03	2014-07-22	AMS5	14:00	1-hr TSP	52	ug/m ³
HKLR	HY/2011/03	2014-07-22	AMS5	15:00	1-hr TSP	40	ug/m ³
HKLR	HY/2011/03	2014-07-28	AMS5	13:00	1-hr TSP	11	ug/m ³
HKLR	HY/2011/03	2014-07-28	AMS5	14:00	1-hr TSP	10	ug/m ³
HKLR	HY/2011/03	2014-07-28	AMS5	15:00	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-08-01	AMS5	13:14	1-hr TSP	46	ug/m ³
HKLR	HY/2011/03	2014-08-01	AMS5	14:14	1-hr TSP	47	ug/m ³
HKLR	HY/2011/03	2014-08-01	AMS5	15:14	1-hr TSP	47	ug/m ³
HKLR	HY/2011/03	2014-08-07	AMS5	13:14	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-08-07	AMS5	14:14	1-hr TSP	10	ug/m ³
HKLR	HY/2011/03	2014-08-07	AMS5	15:14	1-hr TSP	9	ug/m ³
HKLR	HY/2011/03	2014-08-13	AMS5	13:53	1-hr TSP	4	ug/m ³
HKLR	HY/2011/03	2014-08-13	AMS5	14:53	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-08-13	AMS5	15:53	1-hr TSP	12	ug/m ³
HKLR	HY/2011/03	2014-08-19	AMS5	13:11	1-hr TSP	25	ug/m ³
HKLR	HY/2011/03	2014-08-19	AMS5	14:11	1-hr TSP	16	ug/m ³
HKLR	HY/2011/03	2014-08-19	AMS5	15:11	1-hr TSP	22	ug/m ³
HKLR	HY/2011/03	2014-08-25	AMS5	13:00	1-hr TSP	9	ug/m ³
HKLR	HY/2011/03	2014-08-25	AMS5	14:00	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-08-25	AMS5	15:00	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-08-29	AMS5	13:29	1-hr TSP	3	ug/m ³
HKLR	HY/2011/03	2014-08-29	AMS5	14:29	1-hr TSP	4	ug/m ³
HKLR	HY/2011/03	2014-08-29	AMS5	15:29	1-hr TSP	3	ug/m ³

Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2014-06-03	AMS6	13:26	1-hr TSP	26	ug/m ³
HKLR	HY/2011/03	2014-06-03	AMS6	14:26	1-hr TSP	25	ug/m ³
HKLR	HY/2011/03	2014-06-03	AMS6	15:26	1-hr TSP	26	ug/m ³
HKLR	HY/2011/03	2014-06-06	AMS6	12:58	1-hr TSP	13	ug/m ³
HKLR	HY/2011/03	2014-06-06	AMS6	13:58	1-hr TSP	9	ug/m ³
HKLR	HY/2011/03	2014-06-06	AMS6	14:58	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-06-12	AMS6	12:58	1-hr TSP	38	ug/m ³
HKLR	HY/2011/03	2014-06-12	AMS6	13:58	1-hr TSP	34	ug/m ³
HKLR	HY/2011/03	2014-06-12	AMS6	14:58	1-hr TSP	37	ug/m ³
HKLR	HY/2011/03	2014-06-18	AMS6	08:03	1-hr TSP	21	ug/m ³
HKLR	HY/2011/03	2014-06-18	AMS6	09:03	1-hr TSP	16	ug/m ³
HKLR	HY/2011/03	2014-06-18	AMS6	10:03	1-hr TSP	14	ug/m ³
HKLR	HY/2011/03	2014-06-24	AMS6	08:03	1-hr TSP	34	ug/m ³
HKLR	HY/2011/03	2014-06-24	AMS6	09:03	1-hr TSP	12	ug/m ³
HKLR	HY/2011/03	2014-06-24	AMS6	10:03	1-hr TSP	20	ug/m ³
HKLR	HY/2011/03	2014-06-30	AMS6	08:51	1-hr TSP	12	ug/m ³
HKLR	HY/2011/03	2014-06-30	AMS6	09:51	1-hr TSP	12	ug/m ³
HKLR	HY/2011/03	2014-06-30	AMS6	10:51	1-hr TSP	13	ug/m ³
HKLR	HY/2011/03	2014-07-04	AMS6	13:15	1-hr TSP	15	ug/m ³
HKLR	HY/2011/03	2014-07-04	AMS6	14:15	1-hr TSP	16	ug/m ³
HKLR	HY/2011/03	2014-07-04	AMS6	15:15	1-hr TSP	15	ug/m ³
HKLR	HY/2011/03	2014-07-10	AMS6	08:30	1-hr TSP	21	ug/m ³
HKLR	HY/2011/03	2014-07-10	AMS6	09:30	1-hr TSP	16	ug/m ³
HKLR	HY/2011/03	2014-07-10	AMS6	10:30	1-hr TSP	10	ug/m ³
HKLR	HY/2011/03	2014-07-16	AMS6	08:08	1-hr TSP	11	ug/m ³
HKLR	HY/2011/03	2014-07-16	AMS6	09:08	1-hr TSP	6	ug/m ³
HKLR	HY/2011/03	2014-07-16	AMS6	10:08	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-07-22	AMS6	08:50	1-hr TSP	56	ug/m ³
HKLR	HY/2011/03	2014-07-22	AMS6	09:50	1-hr TSP	98	ug/m ³
HKLR	HY/2011/03	2014-07-22	AMS6	10:50	1-hr TSP	93	ug/m ³
HKLR	HY/2011/03	2014-07-28	AMS6	09:02	1-hr TSP	11	ug/m ³
HKLR	HY/2011/03	2014-07-28	AMS6	10:02	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-07-28	AMS6	11:02	1-hr TSP	9	ug/m ³
HKLR	HY/2011/03	2014-08-01	AMS6	08:05	1-hr TSP	8	ug/m ³
HKLR	HY/2011/03	2014-08-01	AMS6	09:05	1-hr TSP	22	ug/m ³
HKLR	HY/2011/03	2014-08-01	AMS6	10:05	1-hr TSP	26	ug/m ³
HKLR	HY/2011/03	2014-08-07	AMS6	09:00	1-hr TSP	10	ug/m ³
HKLR	HY/2011/03	2014-08-07	AMS6	10:00	1-hr TSP	9	ug/m ³
HKLR	HY/2011/03	2014-08-07	AMS6	11:00	1-hr TSP	10	ug/m ³
HKLR	HY/2011/03	2014-08-13	AMS6	08:23	1-hr TSP	25	ug/m ³
HKLR	HY/2011/03	2014-08-13	AMS6	09:23	1-hr TSP	31	ug/m ³
HKLR	HY/2011/03	2014-08-13	AMS6	10:23	1-hr TSP	40	ug/m ³
HKLR	HY/2011/03	2014-08-19	AMS6	08:44	1-hr TSP	21	ug/m ³
HKLR	HY/2011/03	2014-08-19	AMS6	09:44	1-hr TSP	20	ug/m ³
HKLR	HY/2011/03	2014-08-19	AMS6	10:44	1-hr TSP	17	ug/m ³
HKLR	HY/2011/03	2014-08-25	AMS6	08:54	1-hr TSP	11	ug/m ³
HKLR	HY/2011/03	2014-08-25	AMS6	09:54	1-hr TSP	11	ug/m ³
HKLR	HY/2011/03	2014-08-25	AMS6	10:54	1-hr TSP	9	ug/m ³
HKLR	HY/2011/03	2014-08-29	AMS6	08:51	1-hr TSP	9	ug/m ³
HKLR	HY/2011/03	2014-08-29	AMS6	09:51	1-hr TSP	10	ug/m ³
HKLR	HY/2011/03	2014-08-29	AMS6	10:51	1-hr TSP	9	ug/m ³

Air Quality Monitoring Data

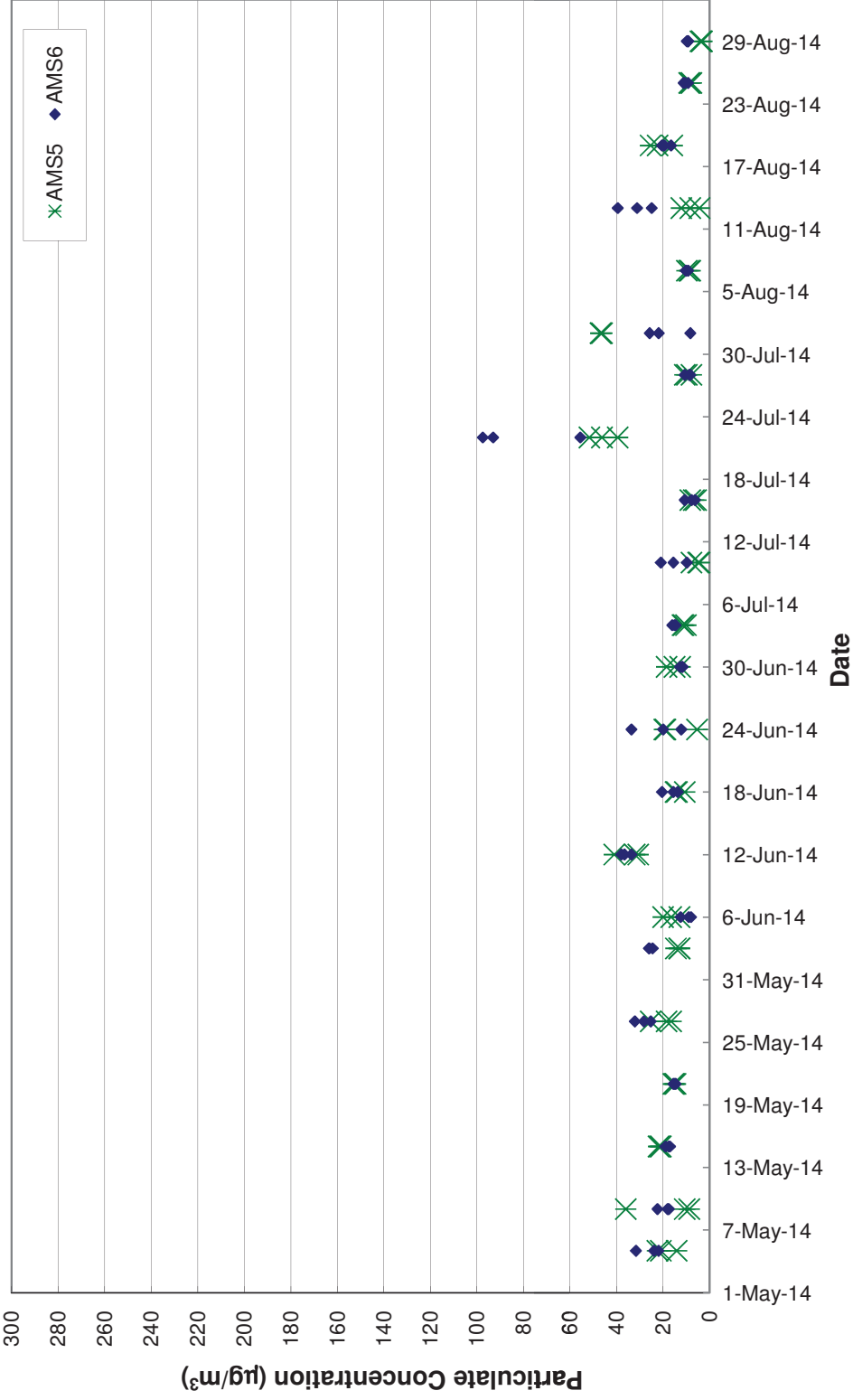
Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2014-06-06	AMS5	12:15	24-hr TSP	33	ug/m ³
HKLR	HY/2011/03	2014-06-11	AMS5	08:00	24-hr TSP	54	ug/m ³
HKLR	HY/2011/03	2014-06-17	AMS5	08:00	24-hr TSP	30	ug/m ³
HKLR	HY/2011/03	2014-06-23	AMS5	08:00	24-hr TSP	22	ug/m ³
HKLR	HY/2011/03	2014-06-27	AMS5	08:00	24-hr TSP	30	ug/m ³
HKLR	HY/2011/03	2014-07-03	AMS5	08:00	24-hr TSP	25	ug/m ³
HKLR	HY/2011/03	2014-07-09	AMS5	08:00	24-hr TSP	45	ug/m ³
HKLR	HY/2011/03	2014-07-15	AMS5	08:00	24-hr TSP	17	ug/m ³
HKLR	HY/2011/03	2014-07-21	AMS5	08:00	24-hr TSP	66	ug/m ³
HKLR	HY/2011/03	2014-07-25	AMS5	08:00	24-hr TSP	18	ug/m ³
HKLR	HY/2011/03	2014-07-31	AMS5	08:00	24-hr TSP	66	ug/m ³
HKLR	HY/2011/03	2014-08-05	AMS5	08:00	24-hr TSP	23	ug/m ³
HKLR	HY/2011/03	2014-08-11	AMS5	08:00	24-hr TSP	30	ug/m ³
HKLR	HY/2011/03	2014-08-15	AMS5	08:00	24-hr TSP	19	ug/m ³
HKLR	HY/2011/03	2014-08-21	AMS5	08:00	24-hr TSP	12	ug/m ³
HKLR	HY/2011/03	2014-08-27	AMS5	08:00	24-hr TSP	26	ug/m ³
HKLR	HY/2011/03	2014-06-05	AMS6	08:00	24-hr TSP	44	ug/m ³
HKLR	HY/2011/03	2014-06-11	AMS6	08:00	24-hr TSP	74	ug/m ³
HKLR	HY/2011/03	2014-06-17	AMS6	08:00	24-hr TSP	38	ug/m ³
HKLR	HY/2011/03	2014-06-23	AMS6	08:00	24-hr TSP	23	ug/m ³
HKLR	HY/2011/03	2014-06-27	AMS6	08:00	24-hr TSP	32	ug/m ³
HKLR	HY/2011/03	2014-07-04	AMS6	16:30	24-hr TSP	41	ug/m ³
HKLR	HY/2011/03	2014-07-09	AMS6	08:00	24-hr TSP	23	ug/m ³
HKLR	HY/2011/03	2014-07-15	AMS6	08:00	24-hr TSP	24	ug/m ³
HKLR	HY/2011/03	2014-07-21	AMS6	08:00	24-hr TSP	63	ug/m ³
HKLR	HY/2011/03	2014-07-25	AMS6	08:00	24-hr TSP	32	ug/m ³
HKLR	HY/2011/03	2014-07-31	AMS6	08:00	24-hr TSP	98	ug/m ³
HKLR	HY/2011/03	2014-08-05	AMS6	08:00	24-hr TSP	30	ug/m ³
HKLR	HY/2011/03	2014-08-11	AMS6	08:00	24-hr TSP	54	ug/m ³
HKLR	HY/2011/03	2014-08-15	AMS6	08:00	24-hr TSP	23	ug/m ³
HKLR	HY/2011/03	2014-08-21	AMS6	08:00	24-hr TSP	17	ug/m ³
HKLR	HY/2011/03	2014-08-27	AMS6	08:00	24-hr TSP	83	ug/m ³

Remark

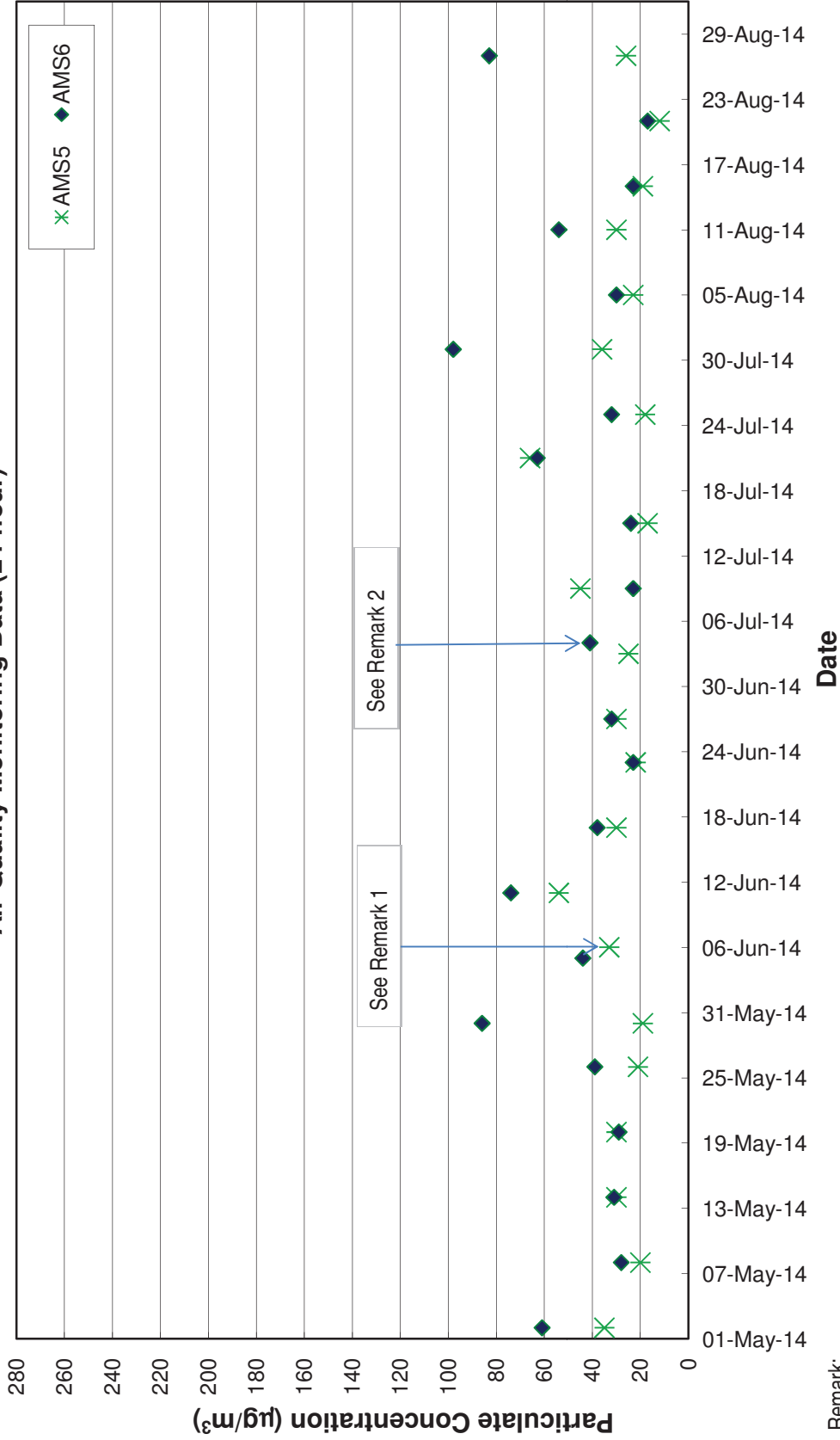
- 1) Due to the electricity supply problem of high volume sampler, the 24-hr dust monitoring at AMS5 was rescheduled from 5 June 2014 to 6 June 2014.
- 2) Due to the electricity supply problem of high volume sampler, the 24-hr dust monitoring at AMS6 was rescheduled from 3 July 2014 to 4 July 2014.

Graphical Plot of 1-hour TSP at AMS5 and AMS6

Air Quality Monitoring Data (1-hour)



Air Quality Monitoring Data (24-hour)



Remark:

- 1) Due to the electricity supply problem of high volume sampler, the 24-hr dust monitoring at AMS5 was rescheduled from 5 June 2014 to 6 June 2014.
- 2) Due to the electricity supply problem of high volume sampler, the 24-hr dust monitoring at AMS6 was rescheduled from 3 July 2014 to 4 July 2014.



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
8th Quarterly EM&A Report (Rev.2)

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.

Noise Monitoring Result of NMS5 from June to August 2014

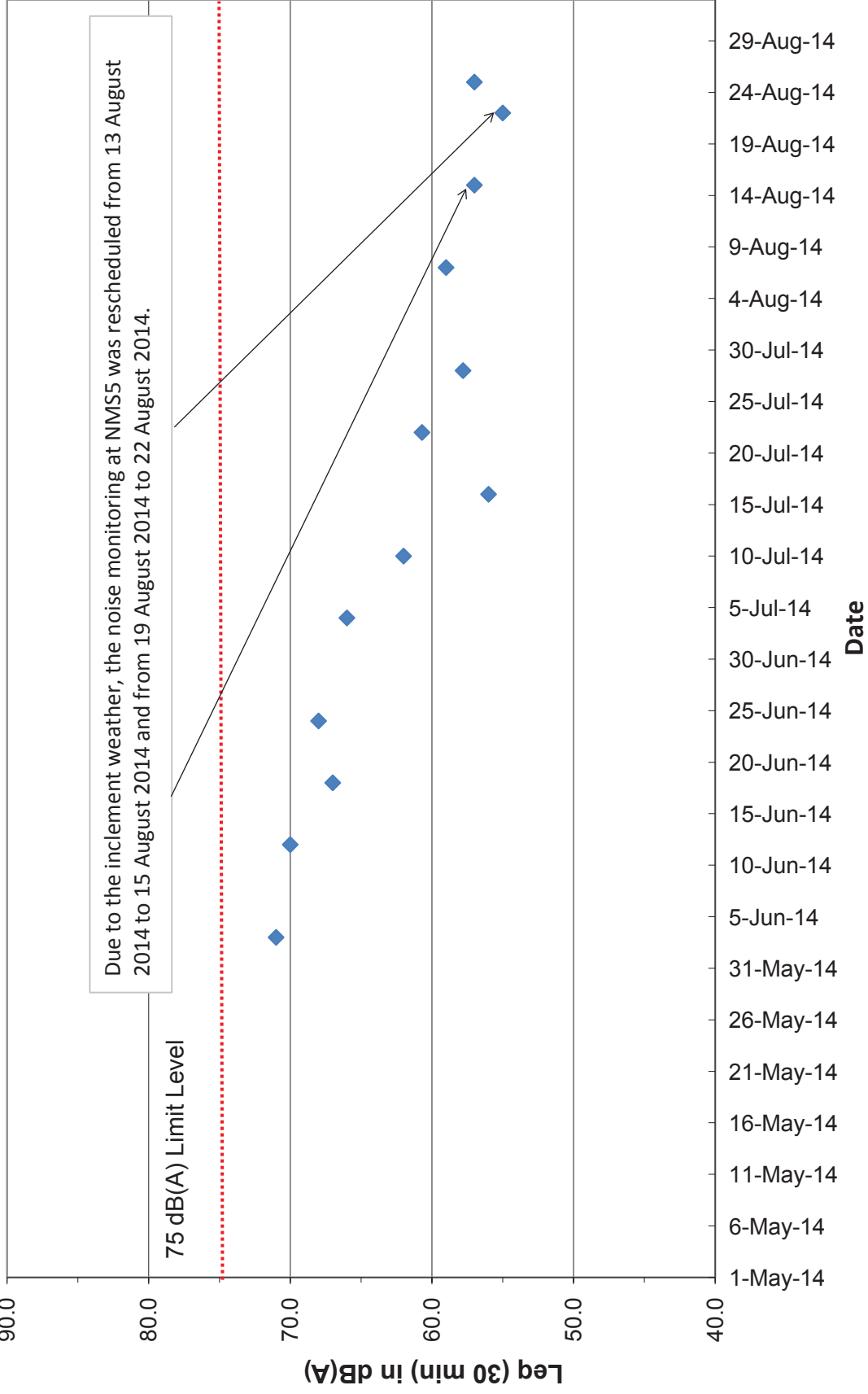
Project	Works	Date (yyyy-mm-dd)	Station	Time	Wind Speed, m/s	Parameter	Results*	Unit
HKLR	HY/2011/03	2014-06-03	NMS5	9:52	<5	Leq 30 min	71	dB(A)
HKLR	HY/2011/03	2014-06-12	NMS5	9:32	<5	Leq 30 min	70	dB(A)
HKLR	HY/2011/03	2014-06-18	NMS5	14:18	<5	Leq 30 min	67	dB(A)
HKLR	HY/2011/03	2014-06-24	NMS5	11:14	<5	Leq 30 min	68	dB(A)
HKLR	HY/2011/03	2014-07-04	NMS5	9:50	<5	Leq 30 min	66	dB(A)
HKLR	HY/2011/03	2014-07-10	NMS5	13:50	<5	Leq 30 min	62	dB(A)
HKLR	HY/2011/03	2014-07-16	NMS5	14:23	<5	Leq 30 min	56	dB(A)
HKLR	HY/2011/03	2014-07-22	NMS5	13:22	<5	Leq 30 min	61	dB(A)
HKLR	HY/2011/03	2014-07-28	NMS5	13:45	<5	Leq 30 min	58	dB(A)
HKLR	HY/2011/03	2014-08-07	NMS5	13:44	<5	Leq 30 min	59	dB(A)
HKLR	HY/2011/03	2014-08-15	NMS5	13:08	<5	Leq 30 min	57	dB(A)
HKLR	HY/2011/03	2014-08-22	NMS5	13:11	<5	Leq 30 min	55	dB(A)
HKLR	HY/2011/03	2014-08-25	NMS5	13:10	<5	Leq 30 min	57	dB(A)

Remark:

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

Graphical Plot of Noise Levels at NMS5

Continuous Noise Monitoring Data (NMS5)



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



路政署
HIGHWAYS DEPARTMENT

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Hong Kong - Zhuhai - Macao Bridge
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APPENDIX I

Water Quality Monitoring Data and Graphical Plots



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

Water Quarterly 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	2014-06-02	Mid-Ebb	Sunny	IS5	14:41:38	1.0	Surface	1	1	28.97	8.33	16.26	122.8	8.58	4.2	4.3
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS5	14:42:31	1.0	Surface	1	2	28.96	8.43	16.67	128.3	9	4.2	3.9
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS5	14:42:05	4.5	Middle	2	1	26.97	8.04	24.26	74.7	5.2	4.2	3.4
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS5	14:41:28	4.5	Middle	2	2	26.97	8.05	23.85	75.3	5.25	4.2	3.4
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS5	14:41:21	7.9	Bottom	3	1	26.78	8.02	25.7	80.3	5.56	4.3	4.1
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS5	14:41:58	7.9	Bottom	3	2	26.8	8.02	25.6	80.6	5.59	4.1	3.6
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS(MF)6	14:48:06	1.0	Surface	1	1	28.94	8.51	18.54	143.4	9.97	2.9	4.6
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS(MF)6	14:47:53	1.0	Surface	1	2	28.86	8.5	18.58	141.5	9.84	2.8	4.3
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS(MF)6	14:47:59	2.1	Bottom	3	1	28.74	8.47	19.26	141.4	9.82	2.9	5
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS7	14:54:06	1.0	Surface	1	1	29.12	8.56	18.3	157.1	10.9	1.9	4
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS7	14:53:48	1.0	Surface	1	2	29.1	8.56	18.31	156.9	10.89	1.7	3.6
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS7	14:53:40	2.2	Bottom	3	1	29.12	8.56	18.31	156.3	10.85	1.8	4.5
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS7	14:53:55	2.2	Bottom	3	2	29.13	8.56	18.31	156.6	10.86	1.8	4.6
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS8	15:17:26	1.0	Surface	1	1	28.91	8.44	18.12	132.9	9.26	2.4	4.4
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS8	15:17:11	1.0	Surface	1	2	28.84	8.43	18.16	131.9	9.2	2.5	3.9
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS8	15:17:04	2.8	Bottom	3	1	28.84	8.39	19.15	133.4	9.26	2.5	3.5
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS8	15:17:18	2.8	Bottom	3	2	28.63	8.36	19.25	133.3	9.28	2.4	3.9
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS(MF)9	15:01:02	1.0	Surface	1	1	29.05	8.44	17.78	146.5	10.21	3.6	4
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS(MF)9	15:00:49	1.0	Surface	1	2	29.05	8.44	17.78	146.2	10.18	3.6	4.1
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS(MF)9	15:00:42	2.7	Bottom	3	1	29.04	8.43	17.87	145.8	10.15	3.5	3.2
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS(MF)9	15:00:55	2.7	Bottom	3	2	29.05	8.44	17.79	146.2	10.18	3.6	3.9
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS10	15:41:47	1.0	Surface	1	1	28.34	8.24	14.75	91.8	6.58	2.1	3.1
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS10	15:41:07	1.0	Surface	1	2	28.2	8.23	15.52	90	6.44	2.1	3.3
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS10	15:41:32	5.1	Middle	2	1	27.5	8.16	19.33	82.9	5.88	2.3	3.7
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS10	15:40:54	5.1	Middle	2	2	27.58	8.16	19.56	83.1	5.87	2.2	2.4
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS10	15:41:25	9.2	Bottom	3	1	27.46	8.14	21.35	85.4	5.99	2.3	3.5
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	IS10	15:40:44	9.2	Bottom	3	2	27.34	8.14	20.49	82.9	5.85	2.1	3.1
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR3	14:31:29	0.8	Middle	2	1	29.04	8.42	15.87	131.8	9.28	3.6	3.6
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR3	14:31:34	0.8	Middle	2	2	29.02	8.41	16.58	131.6	9.24	3.4	4.3
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR4	15:11:48	1.0	Surface	1	1	28.85	8.42	18.17	127.7	8.91	3.2	4.7
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR4	15:12:09	1.0	Surface	1	2	28.97	8.46	18.16	130.2	9.06	3.2	3.7
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR4	15:11:39	2.7	Bottom	3	1	28.46	8.31	19.4	129.9	9.06	3.2	4.7
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR4	15:11:58	2.7	Bottom	3	2	28.24	8.28	19.6	127.2	8.89	3.1	5.1
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR5	15:33:31	1.0	Surface	1	1	28.42	8.25	15.21	100.1	7.15	2	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR5	15:32:55	1.0	Surface	1	2	28.16	8.22	15.31	94.9	6.8	2.1	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR5	15:33:08	3.8	Bottom	3	1	27.89	8.19	17.9	94.3	6.7	2	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR5	15:32:44	3.8	Bottom	3	2	27.91	8.2	17.78	95.5	6.79	2.2	2.5
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10A	16:27:48	1.0	Surface	1	1	28.95	8.28	15.87	120.4	8.49	2.1	3.3
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10A	16:28:06	3.3	Middle	2	1	28.91	8.28	16.01	120.3	8.48	2.1	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10A	16:27:37	3.3	Middle	2	2	28.9	8.28	16.33	120	8.45	2.1	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10A	16:27:26	5.5	Bottom	3	1	28.92	8.27	16.31	120.1	8.45	2.1	3
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10A	16:27:57	5.5	Bottom	3	2	28.91	8.28	16.42	120.3	8.46	2.2	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10B	16:36:43	1.0	Surface	1	1	28.97	8.29	15.29	120.2	8.5	2.1	2.9
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10B	16:36:24	1.0	Surface	1	2	28.93	8.28	15.33	120.1	8.5	2.1	3
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10B	16:36:15	3.9	Bottom	3	1	28.89	8.27	15.92	119.8	8.46	2.2	3.8
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	SR10B	16:36:30	3.9	Bottom	3	2	28.91	8.28	16.29	119.8	8.43	2.2	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS2	14:18:46	1.0	Surface	1	1	28.36	8.19	14.86	91.9	6.58	2.1	2.5
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS2	14:17:47	1.0	Surface	1	2	28.35	8.19	14.86	91.9	6.58	2.1	2.5
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS2	14:17:30	3.6	Middle	2	1	27.75	8.04	18.13	81.5	5.79	2.7	3.4
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS2	14:18:34	3.6	Middle	2	2	27.79	8.12	18.14	83	5.89	2.4	3.5
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS2	14:18:18	6.1	Bottom	3	1	27.19	8.05	22.19	76.5	5.37	3.2	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS2	14:17:16	6.1	Bottom	3	2	27.31	8.05	22.17	79.7	5.58	2.9	2.2
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS(MF)5	16:00:19	1.0	Surface	1	1	28.19	8.16	16.86	95.9	6.81	2.6	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS(MF)5	15:59:25	1.0	Surface	1	2	28.17	8.16	16.89	94.1	6.69	2.6	3.2
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS(MF)5	15:59:07	6.4	Middle	2	1	27.78	8.09	21.57	80.2	5.59	2.6	3.7

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS(MF)5	15:59:59	6.4	Middle	2	2	27.84	8.1	20.6	81.6	5.71	2.6	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS(MF)5	15:59:45	11.7	Bottom	3	1	26.4	8.03	27.04	79.2	5.48	2.7	4
HKLR	HY/2011/03	2014-06-02	Mid-Ebb	Sunny	CS(MF)5	15:58:52	11.7	Bottom	3	2	26.36	8.02	27.34	80.3	5.55	2.7	2.9
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS5	09:53:16	1.0	Surface	1	1	28.43	8.41	18.91	112.6	7.87	2.2	3.4
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS5	09:54:07	1.0	Surface	1	1	28.43	8.38	18.98	104.2	7.29	2.2	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS5	09:52:54	4.4	Middle	2	1	27.6	8.12	21.95	74.6	5.2	2.8	3.2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS5	09:53:51	4.4	Middle	2	2	27.6	8.12	21.79	75.1	5.24	2.8	3.4
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS5	09:53:38	7.8	Bottom	3	1	26.94	7.98	24.5	74.2	5.16	3.4	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS5	09:52:40	7.8	Bottom	3	2	26.92	7.96	24.54	71.1	4.95	3.4	2.9
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS(MF)6	09:43:17	1.0	Surface	1	1	28.5	8.39	17.98	129.2	9.07	1.5	2.2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS(MF)6	09:43:01	1.0	Surface	1	2	28.49	8.41	17.91	128.9	9.06	1.5	2.5
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS(MF)6	09:43:07	2.1	Bottom	3	1	28.63	8.44	18.43	130.9	9.15	1.5	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS(MF)6	09:42:52	2.1	Bottom	3	2	28.57	8.42	18.66	127.4	8.9	1.6	2.5
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS7	09:37:24	1.0	Surface	1	1	28.74	8.47	18.5	132.4	9.24	1.8	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS7	09:37:04	1.0	Surface	1	2	28.84	8.49	18.46	134.7	9.38	1.8	2.3
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS7	09:36:51	2.2	Bottom	3	1	28.68	8.46	18.52	133.4	9.31	1.7	2.3
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS7	09:37:16	2.2	Bottom	3	2	28.59	8.45	18.57	132.8	9.28	1.7	2.9
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS8	09:14:43	1.0	Surface	1	1	28.06	8.14	17.2	87.4	6.21	3.5	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS8	09:15:04	1.0	Surface	1	2	28.02	8.14	17.02	88.3	6.28	3.3	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS8	09:14:33	3.3	Bottom	3	1	27.78	8.07	19.17	86.2	6.09	3.4	2.1
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS8	09:14:56	3.3	Bottom	3	2	27.87	8.09	18.75	89.1	6.3	3.3	2.3
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS(MF)9	09:30:36	1.0	Surface	1	1	28.38	8.29	17.09	114.5	8.1	2.1	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS(MF)9	09:30:51	1.0	Surface	1	2	28.41	8.36	17.2	117.8	8.32	2.2	2.2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS(MF)9	09:30:45	2.7	Bottom	3	1	28.44	8.36	17.92	115.4	8.11	2.2	3.2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS(MF)9	09:30:24	2.7	Bottom	3	2	28.4	8.34	17.86	115.4	8.12	2.2	3
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS10	08:52:23	1.0	Surface	1	1	28.09	8.2	16.38	89.8	6.41	2.6	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS10	08:51:09	1.0	Surface	1	2	28.06	8.21	16.63	88.6	6.32	2.6	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS10	08:51:51	5.1	Middle	2	1	27.58	8.16	20.5	79.1	5.56	3.9	2.3
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS10	08:50:43	5.1	Middle	2	2	27.5	8.15	21.69	78.7	5.5	4	2.9
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS10	08:51:33	9.1	Bottom	3	1	26.94	8.12	23.58	76.4	5.34	4.8	2.5
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	IS10	08:50:17	9.1	Bottom	3	2	27.18	8.12	23.15	77.6	5.42	4.4	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR3	09:58:45	0.8	Middle	2	1	28.52	8.41	18.91	123.8	8.64	1.9	3.2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR3	09:58:50	0.8	Middle	2	2	28.51	8.41	18.94	124.5	8.69	1.9	3.1
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR4	09:21:47	1.0	Surface	1	1	28.27	8.09	16.34	86.2	6.13	2.5	3
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR4	09:22:03	1.0	Surface	1	2	28.01	8.07	16.57	83.8	5.98	2.6	2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR4	09:21:56	2.7	Bottom	3	1	27.93	8.05	18.99	85.6	6.03	2.6	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR4	09:21:34	2.7	Bottom	3	2	27.76	8.04	19.13	82.7	5.84	2.5	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR5	08:59:07	1.0	Surface	1	1	28.07	8.21	16.26	90.7	6.48	2.4	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR5	08:59:39	1.0	Surface	1	2	28.07	8.2	16.39	90.2	6.44	2.4	2.1
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR5	08:59:24	3.9	Bottom	3	1	27.86	8.18	18.13	89.1	6.32	2.2	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR5	08:58:54	3.9	Bottom	3	2	27.85	8.19	18.1	90	6.39	2	2.9
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10A	08:11:07	1.0	Surface	1	1	28.08	8.13	15.47	88.4	6.34	1.5	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10A	08:11:34	1.0	Surface	1	2	27.98	8.13	15.61	86.9	6.24	1.4	2.2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10A	08:10:58	3.3	Middle	2	1	27.69	8.1	19.9	85.8	6.04	1.5	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10A	08:11:27	3.3	Middle	2	2	27.66	8.1	19.92	85.8	6.04	1.5	2.4
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10A	08:10:50	5.5	Bottom	3	1	27.72	8.08	21.28	87.6	6.12	1.5	2.9
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10A	08:11:20	5.5	Bottom	3	2	27.67	8.08	21.15	87.4	6.12	1.5	2.7
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10B	08:05:28	1.0	Surface	1	1	27.65	8.09	18.4	79.6	5.66	1.5	3
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10B	08:05:11	1.0	Surface	1	2	27.55	8.03	18.26	83.2	5.93	1.5	2.8
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10B	08:05:20	4.3	Bottom	3	1	27.53	8.08	23.41	82.7	5.72	1.5	2.1
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	SR10B	08:05:01	4.3	Bottom	3	2	27.61	8.05	22.2	82.9	5.77	1.4	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS2	10:13:57	1.0	Surface	1	1	28.09	8.12	12.61	81.6	6.03	3.5	2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS2	10:14:48	1.0	Surface	1	2	28.17	8.14	12.21	80.3	5.95	3.2	3.6
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS2	10:14:30	3.9	Middle	2	1	27.7	8.1	19.43	75.9	5.36	4.7	2.6
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS2	10:13:40	3.9	Middle	2	2	27.79	8.1	17.63	74	5.27	5	3.3
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS2	10:14:11	6.7	Bottom	3	1	26.96	7.99	23.67	76.1	5.31	6.3	2
HKLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS2	10:13:26	6.7	Bottom	3	2	26.75	8.01	24.02	73.2	5.15	6.6	2.6

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
HCLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS(MF)5	08:40:54	1.0	Surface	1	1	28.2	8.13	15.26	78.4	5.62	2.1	2.3
HCLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS(MF)5	08:41:35	1.0	Surface	1	2	28.18	8.13	15.39	77.5	5.55	2	2.6
HCLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS(MF)5	08:41:23	6.3	Middle	2	1	26.43	8.07	26.17	75.2	5.16	2.5	2.8
HCLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS(MF)5	08:40:42	6.3	Middle	2	2	26.33	8.07	26.23	75.9	5.21	2.4	3
HCLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS(MF)5	08:41:09	11.6	Bottom	3	1	25.86	8.05	30.04	68.9	4.79	2.5	2.2
HCLR	HY/2011/03	2014-06-02	Mid-Flood	Sunny	CS(MF)5	08:40:33	11.6	Bottom	3	2	25.85	8.04	30.05	70.3	4.89	2.4	3.2
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS5	15:51:26	1.0	Surface	1	1	28.75	8.16	18.34	92	6.39	3.3	4.4
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS5	15:51:55	1.0	Surface	1	2	28.58	8.11	18.1	89	6.19	3.4	3.6
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS5	15:51:18	4.6	Middle	2	1	27.8	7.95	27.8	85.6	5.96	3.4	3.9
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS5	15:51:48	4.6	Middle	2	2	26.31	7.94	26.61	80.9	5.66	3.4	3.3
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS5	15:51:37	8.1	Bottom	3	1	26.18	8	28.07	79.9	5.57	3.6	3.5
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS5	15:51:13	8.1	Bottom	3	2	26.32	8.08	28	85.4	5.97	3.5	5.3
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS(MF)6	15:38:02	1.0	Surface	1	1	28.7	8.32	17.82	107.8	7.55	3.3	3.4
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS(MF)6	15:38:15	1.0	Surface	1	2	28.79	8.35	17.89	110.1	7.7	3.3	4.6
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS(MF)6	15:37:55	2.7	Bottom	3	1	28.8	8.3	18.99	107.5	7.5	3.6	3.7
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS(MF)6	15:38:05	2.7	Bottom	3	2	28.8	8.34	18.83	109	7.6	3.5	3.6
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS7	15:31:41	1.0	Surface	1	1	29.21	8.4	16.74	114.6	8.01	4.4	3.5
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS7	15:31:50	1.0	Surface	1	2	29.27	8.42	16.71	116	8.11	4.3	3.3
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS7	15:31:46	2.4	Bottom	3	1	29.43	8.43	17.27	115.7	8.06	4.3	3.9
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS7	15:31:36	2.4	Bottom	3	2	29.43	8.43	17.95	114.6	7.97	4.4	4.3
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS8	16:18:00	1.0	Surface	1	1	28.87	8.38	17.13	113.5	7.95	5	5.4
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS8	16:17:51	1.0	Surface	1	2	28.85	8.38	17.2	112.1	7.84	5	4.7
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS8	16:17:45	2.3	Bottom	3	1	28.87	8.36	18.55	111.9	7.82	5.3	4.5
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS8	16:17:55	2.3	Bottom	3	2	29.08	8.39	18.29	113.3	7.9	5.1	4.5
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS(MF)9	16:04:07	1.0	Surface	1	1	29.33	8.44	16.73	120.6	8.37	2.8	3.4
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS(MF)9	16:04:17	1.0	Surface	1	2	28.77	8.38	17.1	118.7	8.32	2.8	4.2
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS(MF)9	16:04:12	2.4	Bottom	3	1	28.4	8.39	18.58	116.5	8.17	2.9	3.2
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS(MF)9	16:04:01	2.4	Bottom	3	2	29.57	8.46	17.78	119.5	8.35	2.8	2.8
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS10	17:01:49	1.0	Surface	1	1	28.93	8.39	16.09	111.7	7.87	4.3	2.7
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS10	17:00:26	1.0	Surface	1	2	28.99	8.4	16.1	112.4	7.91	4.3	3
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS10	17:00:01	5.3	Middle	2	1	26.6	8.13	23.13	78.5	5.44	4.4	2.9
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS10	17:01:20	5.3	Middle	2	2	26.49	8.14	23.27	78	5.42	4.4	2.6
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS10	16:59:53	9.5	Bottom	3	1	26.08	8.11	27.48	72.9	5.14	4.6	3.3
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	IS10	17:01:12	9.5	Bottom	3	2	25.97	8.12	27.62	72.6	5.12	4.7	2.7
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR3	15:44:38	0.6	Middle	2	1	29.28	8.39	17.48	110.6	7.71	3.2	3.9
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR3	15:44:41	0.6	Middle	2	2	29.27	8.39	17.49	111.3	7.76	3.3	2.7
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR4	16:09:53	1.0	Surface	1	1	28.12	8.23	18.03	100.9	7.1	6	3.8
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR4	16:10:01	1.0	Surface	1	2	28.05	8.22	18.33	101.8	7.16	5.9	4.1
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR4	16:09:49	2.3	Bottom	3	1	28.62	8.27	20.16	100.5	7	6.1	4.4
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR5	16:50:09	1.0	Surface	1	1	29.2	8.26	20.2	102.1	7.12	6.1	4.8
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR5	16:51:05	1.0	Surface	1	2	29.14	8.45	15.09	120	8.46	2.5	2.6
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR5	16:49:43	3.8	Bottom	3	1	27.27	8.2	21.98	88.4	6.2	2.6	4.6
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR5	16:50:37	3.8	Bottom	3	2	27.21	8.19	22.2	86.6	6.07	2.5	3.7
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10A	17:14:12	1.0	Surface	1	1	29.41	8.39	17.32	112.9	7.86	1.4	2.2
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10A	17:13:49	1.0	Surface	1	2	29.15	8.36	17.51	110.6	7.72	1.3	2.3
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10A	17:13:41	3.3	Middle	2	1	28.25	8.26	18.56	109.7	7.65	1.4	2.9
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10A	17:14:03	3.3	Middle	2	2	28.56	8.31	17.87	112	7.8	1.4	2.9
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10A	17:13:37	5.5	Bottom	3	1	28.43	8.27	19.75	108	7.58	1.5	4.1
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10A	17:13:58	5.5	Bottom	3	2	28.92	8.33	18.77	110.3	7.73	1.6	3.4
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10B	17:21:57	1.0	Surface	1	1	29.47	8.4	17.35	116.3	8.1	1.4	2.1
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10B	17:21:41	1.0	Surface	1	2	29.48	8.4	17.33	116.1	8.08	1.4	2.9
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10B	17:21:49	4.2	Bottom	3	1	29.46	8.4	17.42	116.1	8.08	1.4	2.3
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	SR10B	17:21:31	4.2	Bottom	3	2	29.45	8.4	17.43	115.8	8.06	1.5	2.4
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS2	15:31:12	1.0	Surface	1	1	29.45	8.51	14.73	110.6	7.78	2.5	2.2
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS2	15:32:20	1.0	Surface	1	2	29.46	8.51	14.65	119.8	8.43	2.5	2.4
HCLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS2	15:31:55	3.8	Middle	2	1	27.46	8.21	20.91	80.8	5.68	2.5	3.1

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	2014-06-04	Mid-Ebb	Sunny	CS2	15:30:53	3.8	Middle	2	2	27.25	8.23	21.19	76.9	5.35	2.5	2.6
HKLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS2	15:31:37	6.5	Bottom	3	1	26.52	8.16	25.63	75.8	5.27	2.7	2.2
HKLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS2	15:30:39	6.5	Bottom	3	2	26.54	8.22	25.81	73.5	5.18	2.9	2.2
HKLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS(MF)5	16:48:50	1.0	Surface	1	1	29.03	8.39	17.61	109.5	7.65	1.8	2.9
HKLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS(MF)5	16:49:30	1.0	Surface	1	2	29.02	8.29	17.91	100.9	7.01	1.8	2.4
HKLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS(MF)5	16:49:21	6.4	Middle	2	1	27.22	8.09	24.19	95.6	6.67	1.8	2
HKLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS(MF)5	16:48:10	6.4	Middle	2	2	26.48	8.07	24.92	88.3	6.2	2	3
HKLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS(MF)5	16:47:56	11.7	Bottom	3	1	26.13	8.04	29.2	85.6	5.99	2	2.8
HKLR	HY/2011/03	2014-06-04	Mid-Ebb	Sunny	CS(MF)5	16:49:09	11.7	Bottom	3	2	25.73	8.1	29.39	91.8	6.39	1.8	2.9
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS5	10:45:48	1.0	Surface	1	1	28.76	8.26	16.97	90.2	6.33	1.5	2.6
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS5	10:46:33	1.0	Surface	1	2	28.69	8.19	17.07	82.9	5.81	1.6	2.3
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS5	10:46:24	4.6	Middle	2	1	26.3	7.92	24.61	81.2	5.66	1.6	2.2
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS5	10:45:37	4.6	Middle	2	2	26.74	7.98	23.81	89.9	6.26	1.6	2.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS5	10:46:18	8.2	Bottom	3	1	26.14	7.92	27.72	78.2	5.48	1.7	3.7
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS5	10:45:29	8.2	Bottom	3	2	26.24	7.98	27.54	83.1	5.82	1.6	3
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS(MF)6	10:37:11	1.0	Surface	1	1	29.39	8.37	16.2	112.6	7.87	1.6	2.3
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS(MF)6	10:37:27	1.0	Surface	1	2	29.38	8.38	16.18	113	7.9	1.5	3.1
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS(MF)6	10:37:18	2.3	Bottom	3	1	29.29	8.38	16.3	112.4	7.86	1.6	4.3
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS(MF)6	10:37:02	2.3	Bottom	3	2	29.42	8.37	16.26	112.5	7.87	1.8	4.7
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS7	10:28:08	1.0	Surface	1	1	28.94	8.4	16.23	111.2	7.79	2.3	3.1
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS7	10:27:56	1.0	Surface	1	2	28.85	8.39	16.31	111.4	7.81	2.2	2.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS7	10:27:52	2.4	Bottom	3	1	28.87	8.4	17.02	111.1	7.8	2.4	2.3
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS7	10:28:00	2.4	Bottom	3	2	28.9	8.39	17	111	7.79	2.4	2.2
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS8	09:59:33	1.0	Surface	1	1	28.2	8.21	17.25	101.5	7.14	1.9	2.2
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS8	09:59:43	1.0	Surface	1	2	28.25	8.22	17.1	101.7	7.17	1.8	2.7
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS8	09:59:38	2.3	Bottom	3	1	28.33	8.23	17.08	101.7	7.16	1.9	2.7
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS8	09:59:29	2.3	Bottom	3	2	28.27	8.22	17.32	101.4	7.14	2	2.1
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS(MF)9	10:19:56	1.0	Surface	1	1	28.58	8.31	17.07	107.3	7.54	4.9	2.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS(MF)9	10:19:43	1.0	Surface	1	2	28.63	8.31	16.99	107.2	7.53	4.8	2.5
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS(MF)9	10:19:35	2.3	Bottom	3	1	28.6	8.31	17.14	107	7.51	4.9	4.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS10	09:53:40	1.0	Surface	1	1	28.31	8.21	15.8	83.6	5.96	4.2	3.2
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS10	09:52:50	1.0	Surface	1	2	28.32	8.21	15.79	84.5	6.02	4.2	2.2
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS10	09:52:30	5.4	Middle	2	1	26.76	8.1	24.42	76.5	5.27	4.2	3
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS10	09:53:20	5.4	Middle	2	2	26.44	8.1	24.49	73.4	5.09	4.1	3.3
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS10	09:52:13	9.8	Bottom	3	1	26.11	8.07	27.62	69.8	4.87	5.3	2.8
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	IS10	09:53:08	9.8	Bottom	3	2	26.06	8.07	27.83	67.7	4.75	5.3	2.8
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR3	10:52:18	0.7	Middle	2	1	29.01	8.36	16.72	109.8	7.7	1.3	4.1
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR3	10:52:20	0.7	Middle	2	2	28.98	8.36	16.76	109.9	7.7	1.3	2.8
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR4	10:06:58	1.0	Surface	1	1	28.33	8.17	17.36	98.2	6.91	4.8	4.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR4	10:07:07	1.0	Surface	1	2	28.31	8.16	17.47	98.5	6.93	4.7	4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR4	10:07:02	2.4	Bottom	3	1	28.36	8.17	17.39	98.5	6.93	4.8	3.8
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR4	10:06:54	2.4	Bottom	3	2	28.34	8.16	17.4	97.8	6.87	5	5.1
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR5	10:02:56	1.0	Surface	1	1	27.84	8.16	16.43	83	5.95	2.4	2.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR5	10:03:15	1.0	Surface	1	2	28.19	8.19	15.88	85.9	6.14	2.4	3
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR5	10:02:47	4.0	Bottom	3	1	27.86	8.13	20.57	84.4	5.91	2.4	2.1
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR5	10:03:03	4.0	Bottom	3	2	27.78	8.13	21.21	84.4	5.89	2.4	2.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10A	08:51:42	1.0	Surface	1	1	27.86	8.23	17.48	94.2	6.65	1	2.6
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10A	08:52:17	1.0	Surface	1	2	27.43	8.2	17.85	92	6.41	1	2
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10A	08:51:29	3.2	Middle	2	1	26.77	8.16	20.14	93.5	6.52	1.1	2.5
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10A	08:52:10	3.2	Middle	2	2	26.39	8.13	21.51	90.1	6.37	1.1	2.5
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10A	08:52:02	5.3	Bottom	3	1	26.33	8.11	26.56	88.3	6.23	1.2	2.1
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10A	08:51:22	5.3	Bottom	3	2	26.46	8.15	26.25	90.7	6.41	1.1	2.7
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10B	08:46:35	1.0	Surface	1	1	27.67	8.19	18.01	94.7	6.68	0.9	2.6
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10B	08:46:50	1.0	Surface	1	2	27.71	8.2	18.32	95.3	6.72	0.9	2.6
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10B	08:46:26	4.2	Bottom	3	1	27.59	8.17	20.3	94.5	6.63	0.9	3.6
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	SR10B	08:46:41	4.2	Bottom	3	2	27.69	8.18	20.36	95.2	6.68	0.9	2.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS2	11:20:47	1.0	Surface	1	1	28.26	8.2	15.1	84.6	6.06	3.1	2.9
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS2	11:21:27	1.0	Surface	1	2	28.26	8.2	15	84.1	6.03	3.1	3.7
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS2	11:20:27	4.1	Middle	2	1	26.47	8.08	23.28	75.8	5.27	3.2	3.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS2	11:21:10	4.1	Middle	2	2	26.44	8.11	20.72	76.6	5.32	3.2	2.2
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS2	11:21:01	7.1	Bottom	3	1	26.44	8.06	26.16	70.6	5.02	3.2	2.4
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS2	11:20:18	7.1	Bottom	3	2	26.16	8.04	26.9	69.1	4.88	3.3	2.5
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS(MF)S	09:29:13	1.0	Surface	1	1	28.02	8.24	17.53	89.1	6.27	1	2.6
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS(MF)S	09:28:27	1.0	Surface	1	2	27.97	8.24	17.55	89	6.27	1	2.5
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS(MF)S	09:28:13	6.7	Middle	2	1	25.12	8.08	29.17	85.4	5.94	1.1	2.9
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS(MF)S	09:28:57	6.7	Middle	2	2	25.54	8.1	28.77	83.9	5.84	1.1	2.7
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS(MF)S	09:28:45	12.3	Bottom	3	1	24.88	8.07	31.91	80.2	5.6	1.2	2.1
HKLR	HY/2011/03	2014-06-04	Mid-Flood	Sunny	CS(MF)S	09:28:05	12.3	Bottom	3	2	24.89	8.08	31.9	81.4	5.69	1.1	2.5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS5	17:52:24	1.0	Surface	1	1	29.08	8.56	16.36	103.7	7.28	3.7	5.4
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS5	17:51:33	1.0	Surface	1	2	29.08	8.55	16.55	102.9	7.21	3.8	4.4
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS5	17:51:20	4.3	Middle	2	1	28.55	8.37	19.67	74.7	5.19	4.8	4.7
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS5	17:52:07	4.3	Middle	2	2	27.98	8.26	20.97	77.9	5.37	4.5	4.1
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS5	17:51:02	7.5	Bottom	3	1	26.41	8.09	27.42	74.9	5.17	4.6	4.3
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS5	17:51:47	7.5	Bottom	3	2	26.39	8.11	27.52	73.3	5.11	4.4	6.1
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS(M)6	17:56:42	1.0	Surface	1	1	29.22	8.68	17.3	141.6	9.86	4.5	4.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS(M)6	17:56:19	1.0	Surface	1	2	29.19	8.64	17.29	132.9	9.26	4.6	5.4
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS(M)6	17:56:23	2.3	Bottom	3	1	29.18	8.62	17.71	133.5	9.29	4.5	4.5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS(M)6	17:56:10	2.3	Bottom	3	2	29.16	8.61	18.39	134.9	9.35	4.5	4.4
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS7	18:03:41	1.0	Surface	1	1	29.2	8.66	16.53	139.5	9.76	5.5	4.5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS7	18:03:55	1.0	Surface	1	2	29.18	8.66	16.4	133.5	9.35	5.4	4.1
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS7	18:03:30	2.3	Bottom	3	1	29.2	8.65	17.37	136	9.47	5.5	4.7
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS7	18:03:47	2.3	Bottom	3	2	29.12	8.59	17.83	136.7	9.5	5.3	5.1
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS8	18:25:57	1.0	Surface	1	1	28.88	8.55	17.53	120.3	8.41	6.5	6.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS8	18:25:40	1.0	Surface	1	2	28.82	8.54	17.41	119.7	8.39	6.5	5.5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS8	18:25:48	2.8	Bottom	3	1	28.82	8.52	18.67	121.3	8.44	6.6	5.3
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS8	18:25:32	2.8	Bottom	3	2	28.75	8.5	18.82	122.2	8.51	6.7	5.3
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS(M)9	18:09:52	1.0	Surface	1	1	29.08	8.63	16.67	130.8	9.16	6.3	4.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS(M)9	18:09:39	1.0	Surface	1	2	29.06	8.6	17.35	127	8.86	6.3	5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS(M)9	18:09:46	2.6	Bottom	3	1	29.05	8.6	17.62	129.4	9.02	6.4	4.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS(M)9	18:09:32	2.6	Bottom	3	2	29.05	8.57	18.37	124.5	8.64	6.1	3.6
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS10	18:41:38	1.0	Surface	1	1	28.96	8.32	13	99.7	7.14	1.2	3.5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS10	18:42:48	1.0	Surface	1	2	29	8.33	12.68	99.7	7.15	1.3	3.8
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS10	18:42:31	5.7	Middle	2	1	28.35	8.22	17.77	86.7	6.11	1.4	3.7
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS10	18:41:19	5.7	Middle	2	2	28.23	8.22	18.63	87.5	6.15	1.3	3.4
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS10	18:40:49	10.3	Bottom	3	1	26.4	8.09	26.25	73.5	5.11	2.5	4.1
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	IS10	18:41:59	10.3	Bottom	3	2	26.33	8.08	26.52	72.7	5.05	2.4	3.5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR3	17:41:45	0.7	Middle	2	1	29.12	8.59	15.98	123	8.65	3.2	4.7
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR3	17:41:38	0.7	Middle	2	2	29.11	8.58	15.97	122.5	8.61	3.1	3.5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR4	18:20:10	1.0	Surface	1	1	28.88	8.55	18.23	117.1	8.16	6.5	4.8
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR4	18:20:31	1.0	Surface	1	2	28.81	8.54	18.1	112.9	7.88	6.3	4.9
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR4	18:20:22	2.7	Bottom	3	1	28.45	8.43	19.32	108.1	7.54	6.4	5.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR4	18:19:57	2.7	Bottom	3	2	28.56	8.45	20.1	115.6	8.01	6.4	5.6
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR5	18:27:18	1.0	Surface	1	1	28.98	8.32	12.58	100.7	7.23	1.2	3.4
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR5	18:27:54	1.0	Surface	1	2	29.01	8.33	12.55	102.1	7.32	1.1	4.3
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR5	18:27:04	4.5	Bottom	3	1	28.29	8.22	18.58	95	6.67	1.6	5.4
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR5	18:27:37	4.5	Bottom	3	2	28.24	8.22	18.69	94.9	6.67	1.5	4.5
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10A	19:31:06	1.0	Surface	1	1	28.63	8.53	15.67	116.4	8.27	1.5	3
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10A	19:30:30	1.0	Surface	1	2	28.62	8.53	15.72	116.3	8.26	1.5	3.1
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10A	19:30:18	3.3	Middle	2	1	28.53	8.51	16.11	112.9	8.01	1.5	3.9
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10A	19:30:54	3.3	Middle	2	2	28.53	8.51	16.26	113.8	8.06	1.6	3.7
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10A	19:30:40	5.5	Bottom	3	1	28.49	8.48	17.94	115.4	8.08	1.6	4.9
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10A	19:30:07	5.5	Bottom	3	2	28.46	8.48	17.94	113.8	8	1.5	4.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10B	19:42:09	1.0	Surface	1	1	28.63	8.53	15.24	119.1	8.47	1.5	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	2014-06-06	Mid-Ebb	Cloudy	SR10B	19:41:47	1.0	Surface	1	2	28.64	8.53	15.36	118.9	84.5	1.5	3.7
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10B	19:41:55	3.0	Bottom	3	1	28.65	8.52	15.69	118.9	8.44	1.6	3.1
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	SR10B	19:41:35	3.7	Bottom	3	2	28.65	8.52	15.79	118.8	8.43	1.5	3.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS2	17:27:12	1.0	Surface	1	1	28.67	8.36	11.96	97.7	7.01	1.5	3
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS2	17:28:03	1.0	Surface	1	2	29.09	8.38	11.96	98.5	7.08	1.3	3.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS2	17:27:47	4.2	Middle	2	1	28.39	8.25	21.47	78.8	5.58	1.6	4.1
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS2	17:26:49	4.2	Middle	2	2	27.55	8.21	21.37	77.1	5.4	1.6	3.4
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS2	17:26:11	7.3	Bottom	3	1	26.82	8.19	25.93	72.7	5.02	2.4	3
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS2	17:27:31	7.3	Bottom	3	2	26.45	8.11	26.05	71.7	4.98	2.6	3
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS(MF)5	19:02:54	1.0	Surface	1	1	28.62	8.47	16.25	91.6	6.48	2.2	3.7
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS(MF)5	19:02:03	1.0	Surface	1	2	28.63	8.47	16.27	92	6.51	2.2	3.2
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS(MF)5	19:02:41	6.1	Middle	2	1	27.06	8.29	23.91	72.6	5.06	2.3	2.8
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS(MF)5	19:01:48	6.1	Middle	2	2	26.7	8.26	25.3	72.5	5.03	2.3	3.8
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS(MF)5	19:01:23	11.1	Bottom	3	1	24.73	8.17	31.69	71.8	4.99	2.3	3.6
HKLR	HY/2011/03	2014-06-06	Mid-Ebb	Cloudy	CS(MF)5	19:02:21	11.1	Bottom	3	2	24.71	8.18	31.72	72.7	5.04	2.3	3.7
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	ISS	13:09:04	1.0	Surface	1	1	29.12	8.52	17.81	84.1	5.85	4.2	3.6
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	ISS	13:09:49	1.0	Surface	1	2	29.08	8.52	17.84	86.1	6	4.3	3.1
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	ISS	13:08:51	4.4	Middle	2	1	28.13	8.22	23.64	68.1	5.23	5.2	3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	ISS	13:09:37	4.4	Middle	2	2	27.5	8.13	23.35	78.6	5.42	5.1	3.2
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	ISS	13:08:38	7.8	Bottom	3	1	26.35	8.13	27.66	74.3	5.17	5.1	3.8
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	ISS	13:09:27	7.8	Bottom	3	2	26.45	8.12	27.62	74.1	5.11	5.3	3.8
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS(MF)6	13:00:10	1.0	Surface	1	1	29.32	8.63	16.22	133.8	9.36	2.9	3.1
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS(MF)6	12:59:47	1.0	Surface	1	2	29.33	8.62	16.06	132.6	9.28	2.8	3.9
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS(MF)6	12:59:39	2.2	Bottom	3	1	29.26	8.6	16.56	132	9.22	3	5.1
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS7	12:53:30	1.0	Surface	1	1	29.3	8.62	16.71	132.3	9.24	3	5.5
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS7	12:53:14	1.0	Surface	1	2	29.24	8.62	15.97	137.8	9.66	2.5	3.2
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS7	12:53:22	2.1	Bottom	3	1	29.27	8.62	17.77	137.7	9.56	2.5	3.1
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS7	12:53:05	2.1	Bottom	3	2	29.25	8.62	17.71	136.8	9.5	2.6	3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS8	12:29:06	1.0	Surface	1	1	28.78	8.45	15.98	114.1	8.06	3.5	3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS8	12:28:46	1.0	Surface	1	2	28.86	8.46	15.96	117.3	8.28	3.5	3.5
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS8	12:28:38	3.0	Bottom	3	1	28.83	8.47	17.98	117	8.17	3.5	3.5
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS8	12:28:59	3.0	Bottom	3	2	28.7	8.43	19.59	114.8	7.96	3.5	2.9
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS(MF)9	12:46:44	1.0	Surface	1	1	29.1	8.56	16.39	130.4	9.14	2.5	3.3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS(MF)9	12:46:34	2.6	Bottom	3	2	29.07	8.57	17.94	130.7	9.09	2.5	5.4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS(MF)9	12:46:55	2.6	Bottom	3	2	29.07	8.57	17.5	130.6	9.11	2.5	4.2
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS10	12:24:02	1.0	Surface	1	1	28.96	8.3	14.74	100.8	7.15	1.1	4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS10	12:23:03	1.0	Surface	1	2	28.96	8.3	14.76	100.9	7.16	1.1	3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS10	12:23:51	5.8	Middle	2	1	28.67	8.26	16.49	93	6.57	1.3	3.8
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS10	12:22:45	5.8	Middle	2	2	28.16	8.23	19.4	90.4	6.34	1.2	4.1
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS10	12:22:00	10.6	Bottom	3	1	27.18	8.12	23.82	79.9	5.55	1.6	3.7
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	IS10	12:23:34	10.6	Bottom	3	2	27.49	8.14	21.87	80.5	5.63	1.7	3.6
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR3	13:15:44	0.7	Middle	2	1	29.12	8.57	17.9	122	8.48	2	4.9
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR3	13:15:37	0.7	Middle	2	2	29.12	8.57	17.91	121.2	8.43	2.1	3.6
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR4	12:36:29	1.0	Surface	1	1	29.08	8.47	14.55	116.8	8.28	2.2	5.4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR4	12:36:09	1.0	Surface	1	2	29.24	8.47	14.36	118.2	8.36	2.2	4.8
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR4	12:36:21	2.7	Bottom	3	1	28.86	8.44	17.14	116.2	8.15	2.2	4.6
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR4	12:36:01	2.7	Bottom	3	2	29.19	8.45	16.4	117.5	8.23	2.1	5.9
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR5	12:36:42	1.0	Surface	1	1	29.04	8.32	14.69	108.5	7.69	1.2	3.2
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR5	12:37:18	1.0	Surface	1	2	28.92	8.3	15.08	106.8	7.57	1.2	3.8
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR5	12:36:21	4.5	Bottom	3	1	28.55	8.28	18.24	106.3	7.45	1.3	2.9
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR5	12:36:50	4.5	Bottom	3	2	28.57	8.25	20.51	105.8	7.32	1.2	3.2
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10A	11:26:25	1.0	Surface	1	1	28.69	8.34	15.19	86	6.11	1.4	3.4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10A	11:25:51	1.0	Surface	1	2	28.74	8.34	14.88	88.7	6.31	1.4	2.8
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10A	11:26:17	3.3	Middle	2	1	27	8.23	22.17	79.2	5.58	1.3	3.5
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10A	11:25:42	3.3	Middle	2	2	27.11	8.23	21.41	79.8	5.63	1.3	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	2014-06-06	Mid-Flood	Cloudy	SR10A	11:25:34	5.6	Bottom	3	1	26.62	8.18	25.4	81.5	5.67	1.3	2.9
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10A	11:26:10	5.6	Bottom	3	2	26.57	8.18	25.57	81.4	5.66	1.3	3.5
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10B	11:20:31	1.0	Surface	1	1	28.46	8.31	16.54	88.4	6.26	1.3	3.4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10B	11:20:07	1.0	Surface	1	2	28.28	8.27	16.83	82.2	5.86	1.4	3.4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10B	11:20:00	4.0	Bottom	3	1	26.48	8.16	25.69	83.3	5.8	1.4	4.4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	SR10B	11:20:19	4.0	Bottom	3	2	26.48	8.17	25.78	84.5	5.88	1.4	3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS2	13:34:06	1.0	Surface	1	1	29.03	8.31	12.14	101.6	7.31	1.1	3.7
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS2	13:34:45	1.0	Surface	1	2	28.87	8.3	12.31	100.8	7.26	1.1	4.5
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS2	13:34:00	4.1	Middle	2	1	28.72	8.28	13.03	97.8	7.03	1.1	4.4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS2	13:34:36	4.1	Middle	2	2	28.65	8.24	16.17	97.1	6.87	1.1	3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS2	13:33:52	7.2	Bottom	3	1	28.58	8.24	16.03	93.8	6.65	1.2	3.2
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS2	13:34:19	7.2	Bottom	3	2	27.49	8.16	19.04	91	6.46	1.3	3.3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS(MF)5	11:56:27	1.0	Surface	1	1	28.26	8.32	17.9	84.7	5.97	2.2	3.4
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS(MF)5	11:55:38	1.0	Surface	1	2	28.27	8.32	17.94	84.3	5.94	2.2	3.3
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS(MF)5	11:55:24	6.3	Middle	2	1	26.72	8.23	25.41	72.8	5.05	2.2	3.7
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS(MF)5	11:56:11	6.3	Middle	2	2	26.63	8.22	25.77	75	5.19	2.3	3.5
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS(MF)5	11:55:52	11.6	Bottom	3	1	25.01	8.14	30.99	71.2	4.94	2.7	2.9
HKLR	HY/2011/03	2014-06-06	Mid-Flood	Cloudy	CS(MF)5	11:55:04	11.6	Bottom	3	2	24.98	8.13	31.05	71.3	4.95	2.7	3.3
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS5	11:14:16	1.0	Surface	1	1	28.81	8.5	19.44	76.7	5.44	3.8	2.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS5	11:13:22	1.0	Surface	1	2	29	8.52	19.05	76.9	5.44	3.5	2.2
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS5	11:13:05	4.2	Middle	2	1	25.72	8.06	29.19	75.2	5.33	6.4	3.7
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS5	11:13:57	4.2	Middle	2	2	25.69	8.06	29.34	74.3	5.26	6.4	3.9
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS5	11:12:55	7.3	Bottom	3	1	25.65	8.09	29.65	76.3	5.38	6.2	3.6
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS5	11:13:42	7.3	Bottom	3	2	25.56	8.07	29.85	70.2	4.95	6	4.5
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS(MF)6	11:01:05	1.0	Surface	1	1	28.55	8.55	17.57	105.2	7.4	3.7	3.7
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS(MF)6	11:01:27	1.0	Surface	1	2	28.68	8.53	17.53	99.8	7.01	4	3.9
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS(MF)6	11:01:16	2.2	Bottom	3	1	26.98	8.24	25.52	93.9	6.49	5.1	4.2
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS(MF)6	11:00:54	2.2	Bottom	3	2	27.4	8.26	21.52	92.8	6.51	4.7	4.2
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS7	10:54:05	1.0	Surface	1	1	28.75	8.6	17.45	115.6	8.11	8.4	4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS7	10:54:32	1.0	Surface	1	2	28.67	8.58	17.49	105.9	7.44	8.8	4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS7	10:53:48	2.3	Bottom	3	1	27.87	8.27	22.25	91.4	6.34	10.1	5
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS7	10:54:19	2.3	Bottom	3	2	27.88	8.27	22.35	94.6	6.55	9.5	4.6
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS8	10:26:18	1.0	Surface	1	1	28.25	8.41	19.98	80.3	5.6	4.4	2.6
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS8	10:25:59	1.0	Surface	1	2	27.98	8.34	20.25	76.6	5.36	4.7	2.3
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS8	10:25:45	2.8	Bottom	3	1	26.17	8.15	26.67	69.3	4.82	5.6	4.1
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS8	10:26:07	2.8	Bottom	3	2	26.12	8.2	26.63	74.9	5.22	5.1	4.3
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS(MF)9	10:46:05	1.0	Surface	1	1	27.98	8.34	20.52	80.2	5.6	3.1	5.6
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS(MF)9	10:45:42	1.0	Surface	1	2	27.9	8.3	21.46	77.9	5.42	3.1	5.5
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS(MF)9	10:45:31	2.4	Bottom	3	1	26.28	8.18	25.96	75.7	5.28	2.6	6
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS(MF)9	10:45:53	2.4	Bottom	3	2	26.21	8.19	26.16	72.5	5.06	2.6	5.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS10	11:25:13	1.0	Surface	1	1	28.65	8.49	19.19	108.7	7.57	2.7	2.9
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS10	11:25:18	1.0	Surface	1	2	28.89	8.53	19.18	112.9	7.82	3	2.7
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS10	10:34:36	1.9	Middle	2	1	27.93	8.32	20.45	81	5.66	5.3	2.3
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS10	10:34:16	1.9	Middle	2	2	27.48	8.25	23.14	79.5	5.52	5.9	3.1
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS10	10:33:59	2.7	Bottom	3	1	26.76	8.18	25.09	75	5.22	6.5	3
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	IS10	10:34:25	2.7	Bottom	3	2	26.73	8.18	24.91	75.6	5.26	6.3	3.8
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR3	09:08:25	1.0	Middle	2	1	26.26	8.17	24.9	89.5	6.28	1.8	3.8
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR3	09:09:06	1.0	Middle	2	2	26.05	8.18	25.74	89.8	6.29	2	4.2
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR4	09:08:12	1.0	Surface	1	1	25.96	8.15	25.88	89	6.24	2.1	3.6
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR4	09:08:57	1.0	Surface	1	2	26.02	8.15	25.94	85.3	5.99	2	3.8
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR4	09:08:47	5.7	Bottom	3	1	25.99	8.08	25.97	89	6.24	2.3	4.2
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR4	09:08:00	5.7	Bottom	3	2	25.7	8.13	27.27	85.7	5.99	2.2	4.3
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR5	08:56:06	1.0	Surface	1	1	25.45	8.07	27.77	72.8	5.09	2.6	2.8
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR5	08:55:33	1.0	Surface	1	2	25.43	8.04	27.87	73.8	5.16	2.8	2.5
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR5	08:55:18	4.2	Bottom	3	1	25.31	8.02	28.69	71.4	5.18	2.5	2.7
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR5	08:55:47	4.2	Bottom	3	2	25.2	8.05	28.75	74.2	5	2.7	2.7
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10A	09:47:19	1.0	Surface	1	1	26.98	8.22	21.94	82.2	5.97	1.9	2.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10A	09:46:36	1.0	Surface	1	2	27.23	8.25	21.57	83	6.03	1.8	2.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10A	09:46:11	6.6	Middle	1	1	25.01	8.12	29.42	73.8	5.42	1.7	2.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10A	09:46:58	6.6	Middle	2	2	24.96	8.13	29.62	74	5.45	1.7	2.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10A	09:45:58	12.2	Bottom	3	1	24.8	8.11	30.16	71	5.27	1.9	3
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10A	09:46:49	12.2	Bottom	3	2	24.86	8.13	30.12	70	5.16	1.9	3.5
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10B	15:20:42	1.0	Surface	1	1	28.54	8.41	20.45	77.9	5.83	4.5	3.1
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10B	15:21:17	1.0	Surface	2	2	28.45	8.46	20.95	78.3	5.86	4.8	2.7
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10B	15:20:32	4.1	Bottom	3	1	25.67	8.03	30.03	76	5.5	4.5	2.9
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	SR10B	15:21:04	4.1	Bottom	3	2	25.68	8.05	30.07	76.9	5.68	4.7	3.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS2	15:20:24	1.0	Surface	1	1	25.67	8.05	30.26	74.9	5.25	4.5	2.1
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS2	15:20:54	1.0	Surface	2	2	25.72	8.11	30.33	76.8	5.54	4.5	2.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS2	15:31:36	1.6	Middle	2	1	29.33	8.74	19.26	95.2	7.13	9.3	2.7
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS2	15:31:19	1.6	Middle	2	2	29.21	8.7	19.32	95.1	7.12	10.2	2.9
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS2	15:31:26	2.1	Bottom	3	1	29.32	8.73	19.25	95	7.11	10	3.8
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS2	15:31:11	2.1	Bottom	3	2	29.22	8.67	19.68	95	7.12	10.8	3.6
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS(MF)5	15:40:38	1.0	Surface	1	1	29.21	8.69	18.5	95.6	7.14	5.6	2.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS(MF)5	15:40:53	1.0	Surface	2	2	29.15	8.66	18.51	95.8	7.15	5.2	2.6
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS(MF)5	15:40:23	1.0	Middle	1	1	29.15	8.66	18.55	95.7	7.15	8.7	2.8
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS(MF)5	15:40:45	1.0	Middle	2	2	29.16	8.66	18.66	95.7	7.15	8.2	2.9
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS(MF)5	16:09:20	1.0	Bottom	3	1	27.64	8.43	23.43	105.6	7.3	9.1	3.4
HKLR	HY/2011/03	2014-06-09	Mid-Ebb	Sunny	CS(MF)5	16:09:02	1.0	Bottom	3	2	27.43	8.38	23.84	97.2	6.73	9.8	3.6
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS5	16:08:52	1.0	Surface	1	1	26.57	8.3	26.18	94.8	6.57	10.2	5.1
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS5	16:09:09	1.0	Surface	2	2	27.27	8.36	24.34	99.7	6.9	10.8	4.2
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS5	15:50:21	1.6	Middle	2	1	29.36	8.74	19.38	95.7	7.17	4.1	5.4
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS5	15:49:55	1.6	Middle	2	2	29.18	8.69	19.47	95.6	7.15	4	5.4
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS5	15:50:03	2.2	Bottom	3	1	28.96	8.63	20.04	95.4	7.14	4.3	7.7
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS5	15:49:47	2.2	Bottom	3	2	28.93	8.62	20.43	95.3	7.13	4.1	7.2
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS(MF)6	15:07:08	1.0	Surface	1	1	28.68	8.47	20.1	125.1	8.66	4.7	4.6
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS(MF)6	15:07:01	1.0	Surface	2	2	28.66	8.45	20.16	120.8	8.36	5.1	4.7
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS(MF)6	16:00:49	1.0	Bottom	3	1	28.15	8.45	22.73	102.9	7.08	10.2	14
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS(MF)6	16:01:24	1.0	Bottom	3	2	27.72	8.43	22.88	104.7	7.25	9.7	12.9
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS7	16:00:39	1.0	Surface	1	1	26.96	8.29	25.03	98.9	7	12	5.1
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS7	16:01:13	1.0	Surface	2	2	26.91	8.34	25.07	105.3	7.31	11.5	5.7
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS7	17:25:33	1.0	Bottom	3	1	25.78	8.32	29.14	84.5	5.84	1.9	7.2
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS7	17:24:56	1.0	Bottom	3	2	25.75	8.31	29.2	79.2	5.47	2	6.4
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS8	17:25:21	1.0	Surface	1	1	25.67	8.3	29.44	76.6	5.28	2.3	2.9
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS8	17:24:46	1.0	Surface	2	2	25.51	8.28	29.68	73.3	5.07	2.3	2.9
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS8	17:24:37	5.7	Bottom	3	1	25.16	8.23	30.41	72.9	5.06	2.2	2.7
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS8	17:25:11	5.7	Bottom	3	2	25.59	8.29	29.62	73	5.06	2.2	3.3
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS(MF)9	17:42:01	1.0	Surface	1	1	25.8	8.32	29.05	86.5	5.97	1.7	5.3
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS(MF)9	17:42:21	1.0	Surface	2	2	25.83	8.33	28.99	87.2	6.02	1.8	5
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS(MF)9	17:42:09	4.4	Bottom	3	1	25.74	8.32	29.23	86.6	5.99	1.7	4.8
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS(MF)9	17:41:52	4.4	Bottom	3	2	25.71	8.31	29.34	86.5	5.98	1.7	4.6
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS10	16:50:30	1.0	Surface	1	1	27.38	8.43	24.35	94.4	7.06	1.7	3.1
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS10	16:49:37	1.0	Surface	2	2	27.08	8.35	24.75	94.6	7.09	1.8	3
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS10	16:49:23	6.6	Middle	2	1	25.25	8.11	30.09	94.8	7.08	2.2	3.8
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS10	16:50:12	6.6	Middle	2	2	25.28	8.11	30.02	94.5	7.05	2.2	3.7
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS10	16:49:09	12.1	Bottom	3	1	25.03	8.12	30.64	95.3	7.13	2.3	5.4
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	IS10	16:49:58	12.1	Bottom	3	2	25.21	8.13	30.26	94.2	7.06	2.2	6.4
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR3	10:20:14	1.0	Middle	2	1	27.47	8.19	20.32	88.8	5.91	4.4	6.2
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR3	10:19:10	1.0	Middle	2	2	27.37	8.18	20.5	83.1	5.87	4.4	6.8
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR4	10:19:56	1.0	Surface	1	1	26.01	8.02	27.7	71.6	5.22	4.5	20.5
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR4	10:18:52	1.0	Surface	1	2	25.83	8.02	27.94	74.5	5.06	4.6	20.5
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR4	10:19:33	9.7	Bottom	3	1	25.73	8.06	29.08	69.8	4.83	4.7	21.2
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR4	10:18:41	9.7	Bottom	3	2	25.79	8.05	28.88	69.7	4.82	4.8	19.7
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR5	10:27:19	1.0	Surface	1	1	27.4	8.2	20.32	82.6	5.83	2.7	3
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR5	10:26:45	1.0	Surface	2	2	27.34	8.19	20.38	82	5.79	2.7	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	2014-06-09	Mid-Flood	Sunny	SR5	10:27:05	3.7	Bottom	3	1	26.57	8.12	24.74	77.6	5.42	2.6	3.3
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR5	10:26:32	3.7	Bottom	3	2	26.74	8.13	24.55	80.8	5.64	2.6	3.6
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10A	11:41:40	1.0	Surface	1	1	27.76	8.18	20.13	85.7	6.02	2.5	3.9
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10A	11:40:57	1.0	Surface	1	2	27.75	8.18	20.14	86.1	6.05	2.8	3.8
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10A	11:40:49	3.9	Middle	2	1	27.6	8.17	20.24	81.8	5.76	2.6	3.8
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10A	11:41:28	3.9	Middle	2	2	27.72	8.17	20.14	79.2	5.57	2.6	3.9
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10A	11:41:12	6.8	Bottom	3	1	25.91	8.08	22.44	76.9	5.37	3.4	5
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10A	11:40:38	6.8	Bottom	3	2	26.96	8.13	22.47	81.3	5.71	3.3	4.7
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10B	16:50:29	1.0	Surface	1	1	27	8.16	23.27	78.1	5.46	3.5	12.1
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10B	16:51:25	1.0	Surface	1	2	26.99	8.17	23.32	77.8	5.44	3.6	11.6
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10B	16:50:52	5.4	Bottom	3	1	25.43	8.06	28.35	72.3	5.06	5.4	12.6
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	SR10B	16:49:54	5.4	Bottom	3	2	25.42	8.06	28.42	71.9	5.03	5.6	13.3
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS2	16:50:40	1.0	Surface	1	1	25.37	8.1	28.9	71	4.94	5.3	3.6
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS2	16:49:41	1.0	Surface	1	2	25.3	8.1	29	72.5	5.06	5.7	3.8
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS2	16:38:23	2.5	Middle	2	1	26.98	8.18	22.91	81.4	5.71	2.2	4.2
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS2	16:38:05	2.5	Middle	2	2	26.82	8.17	21.65	80.4	5.69	2.2	4.4
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS2	16:37:59	3.9	Bottom	3	1	26.93	8.18	24.53	84.2	5.86	2.1	5.5
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS2	16:37:59	3.9	Bottom	3	2	26.78	8.16	24.66	82.1	5.72	2.1	6.1
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS(MF)5	15:11:38	1.0	Surface	1	1	27.83	8.24	18.64	88	6.23	3.6	2.5
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS(MF)5	15:12:36	1.0	Surface	1	2	28.08	8.24	17.15	86.9	6.18	3.7	2.7
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS(MF)5	15:12:12	4	Middle	2	1	26.22	8.07	26.5	71.9	5.11	4.2	3.5
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS(MF)5	15:11:08	4	Middle	2	2	26.34	8.1	25.99	71.6	5.08	4.3	3.3
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS(MF)5	15:11:55	6.9	Bottom	3	1	25.87	8.07	28.13	70.7	4.85	4.3	5
HKLR	HY/2011/03	2014-06-09	Mid-Flood	Sunny	CS(MF)5	15:10:45	6.9	Bottom	3	2	26.2	8.12	28.21	70.6	4.87	4.3	5.4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS5	12:47:38	1.0	Surface	1	1	27.21	8.36	22.89	78.8	5.8	6	4.3
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS5	12:46:55	1.0	Surface	1	2	27.43	8.37	22.49	71.6	5	6	4.4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS5	12:47:27	4.2	Middle	2	1	26.45	8.22	26.38	79.2	5.85	8.4	3.9
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS5	12:46:42	4.2	Middle	2	2	26.48	8.22	25.77	79.1	5.83	8.5	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS5	12:46:33	7.3	Bottom	3	1	26.38	8.21	27.05	74.2	5.44	8.6	2.7
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS5	12:47:14	7.3	Bottom	3	2	26.41	8.21	27.04	70.2	4.99	8.6	3.9
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS(MF)6	12:36:57	1.0	Surface	1	1	27.82	8.59	22.01	120.3	8.36	4.6	5.2
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS(MF)6	12:37:41	1.0	Surface	1	2	27.95	8.67	21.76	110.4	7.66	4.6	5.3
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS(MF)6	12:36:52	2.2	Bottom	3	1	27.9	8.61	22.02	122.7	8.51	4.9	5.1
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS(MF)6	12:37:31	2.2	Bottom	3	2	27.64	8.47	22.41	111.7	8.52	5.9	5.1
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS7	12:30:17	1.0	Surface	1	1	28.07	8.74	21.46	141.7	9.84	3.8	3.1
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS7	12:30:39	1.0	Surface	1	2	28.09	8.73	21.46	144.2	10	3.9	3.3
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS7	12:30:30	2.2	Bottom	3	1	28.1	8.71	21.49	147.6	9.24	3.8	4.9
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS7	12:30:01	2.2	Bottom	3	2	27.92	8.59	21.7	137.7	9.57	3.9	4.4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS8	12:05:09	1.0	Surface	1	1	27.51	8.42	22.42	90.9	6.33	8	4.8
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS8	12:04:44	1.0	Surface	1	2	27.46	8.39	22.61	94	6.55	9.6	4.9
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS8	12:04:35	2.9	Bottom	3	1	27.4	8.33	23.4	90.8	6.3	8.1	6.9
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS8	12:04:35	2.9	Bottom	3	2	27.45	8.36	23.23	98.9	6.87	9.1	6.8
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS(MF)9	12:22:37	1.0	Surface	1	1	27.66	8.47	22.18	107.5	7.48	4.9	4.6
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS(MF)9	12:22:58	1.0	Surface	1	2	27.65	8.46	22.12	103.4	7.2	5.6	4.6
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS(MF)9	12:22:47	2.4	Bottom	3	1	27.64	8.45	22.28	106.5	7.41	5.3	6.1
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS(MF)9	12:22:31	2.4	Bottom	3	2	27.63	8.46	22.31	109.9	7.64	5.3	6.8
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS10	12:55:49	1.0	Surface	1	1	27.72	8.35	22.4	97.5	6.77	4.3	4.1
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS10	12:55:54	1.0	Surface	1	2	27.69	8.37	22.42	97.1	6.75	4	3.9
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS10	12:11:57	1.9	Middle	2	1	27.99	8.51	22	120.3	8.34	4.4	2.2
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS10	12:12:20	1.9	Middle	2	2	27.93	8.5	22.15	119.5	8.28	4.6	2.5
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS10	12:11:45	2.7	Bottom	3	1	27.93	8.5	22.16	120.2	8.33	4	3.5
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	IS10	12:12:12	2.7	Bottom	3	2	27.93	8.5	22.17	119.7	8.29	4.1	2.2
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR3	10:41:41	1.0	Middle	1	1	26.34	8.31	26.16	86.4	6.01	1.6	6.4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR3	10:41:10	1.0	Middle	2	2	26.77	8.38	24.27	87.7	5.82	1.5	5.7
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR4	10:41:30	1.0	Surface	1	1	25.96	8.27	27.36	86.3	6	1.6	4.2
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR4	10:41:03	1.0	Surface	1	2	26.73	8.37	24.33	84.6	5.61	1.4	4.4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR4	10:41:20	5.3	Bottom	3	1	26.39	8.32	27.48	86.4	5.65	1.4	4.2

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	2014-06-11	Mid-Ebb	Fine	SR4	10:40:44	5.3	Bottom	3	2	26.39	8.31	26.41	90.6	6.29	1.4	4.1
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR5	10:34:02	1.0	Surface	1	1	25.96	8.23	27.03	81.1	5.65	2.4	2.6
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR5	10:34:27	1.0	Surface	1	2	25.94	8.23	27.14	81	5.64	2.4	2.6
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR5	10:33:47	3.8	Bottom	3	1	25.92	8.22	27.28	80.4	5.6	2.6	2.7
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR5	10:34:10	3.8	Bottom	3	2	25.92	8.22	27.31	81.1	5.65	2.2	2.7
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10A	11:25:27	1.0	Surface	1	1	27.56	8.31	17.84	96.2	5.87	2.6	2.2
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10A	11:23:38	1.0	Surface	1	2	27.53	8.27	19.23	79	5.21	2.6	2.7
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10A	11:24:40	6.8	Middle	2	1	25.68	8.18	27.63	81.3	5.28	4.6	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10A	11:23:18	6.8	Middle	2	2	25.84	8.18	26.76	72.5	5.37	4.6	2.1
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10A	11:24:03	12.5	Bottom	3	1	25.26	8.17	29.29	86.4	5.62	4.3	4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10A	11:22:59	12.5	Bottom	3	2	25.22	8.16	29.41	69.6	4.86	5.3	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10B	17:30:06	1.0	Surface	1	1	27.95	8.68	22.44	134.7	9.32	5.5	5
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10B	17:30:44	1.0	Surface	1	2	27.94	8.67	22.42	128.1	8.86	6.2	4.5
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10B	17:30:33	4.7	Bottom	3	1	27.69	8.56	22.67	110.6	7.68	8.1	5.2
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	SR10B	17:29:54	4.7	Bottom	3	2	27.8	8.61	22.75	122	8.44	7.6	6.4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS2	17:29:40	1.0	Surface	1	1	27.37	8.44	23.67	113.5	7.87	5.3	2.2
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS2	17:30:24	1.0	Surface	1	2	27.27	8.39	24.37	113.1	7.83	5.5	3.4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS2	17:36:50	1.5	Middle	2	1	27.96	8.69	22.47	145.1	10.03	9.8	3.4
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS2	17:36:23	1.5	Middle	2	2	27.91	8.65	22.49	141.5	9.79	10.5	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS2	17:36:40	2.0	Bottom	3	1	27.94	8.68	22.47	144	9.96	9.6	3.1
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS2	17:36:17	2.0	Bottom	3	2	27.92	8.65	22.49	143.2	9.91	10.1	2.7
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS(MF)5	17:44:43	1.0	Surface	1	1	27.86	8.61	22.83	134	9.26	8.2	3.5
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS(MF)5	17:44:59	1.0	Surface	1	2	27.84	8.62	22.82	134.6	9.3	7.8	3.3
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS(MF)5	17:44:53	1.0	Middle	2	1	27.85	8.61	22.81	134.6	9.31	7.7	3.9
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS(MF)5	17:44:25	1.0	Middle	2	2	27.86	8.58	22.84	127.5	8.81	7.2	3.7
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS(MF)5	18:09:14	1.0	Bottom	3	1	27.48	8.44	20.65	108.8	7.66	6.2	2
HKLR	HY/2011/03	2014-06-11	Mid-Ebb	Fine	CS(MF)5	18:09:30	1.0	Bottom	3	2	27.45	8.43	20.84	106	7.46	6	3.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS5	18:09:02	1.0	Surface	1	1	27.45	8.42	21.76	107.6	7.53	6.9	6.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS5	18:09:22	1.0	Surface	1	2	27.44	8.41	22.26	106.9	7.46	6.9	7.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS5	17:50:54	1.9	Middle	2	1	27.69	8.59	21.76	130.2	9.08	10.6	7.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS5	17:51:13	1.9	Middle	2	2	27.68	8.6	21.65	133.3	9.3	12.3	7.5
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS5	17:51:02	2.8	Bottom	3	1	27.69	8.59	21.81	132.2	9.22	11.7	8.4
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS5	17:50:41	2.8	Bottom	3	2	27.7	8.57	22.1	126.5	8.8	11.5	7.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS(MF)6	17:16:23	1.0	Surface	1	1	28.06	8.68	22.21	145.1	10.03	4.8	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS(MF)6	17:16:45	1.0	Surface	1	2	28.06	8.69	22.2	146.4	10.12	4.9	5
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS(MF)6	18:03:42	1.0	Bottom	3	1	27.54	8.48	21.23	120.3	8.43	3.1	6.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS(MF)6	18:03:21	1.0	Bottom	3	2	27.53	8.48	21.16	120.1	8.43	3.3	6.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS7	18:03:33	1.0	Surface	1	1	27.55	8.49	21.19	120.2	8.43	3.2	5.9
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS7	18:03:16	1.0	Surface	1	2	27.54	8.48	21.14	120.2	8.43	3.5	7.4
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS7	19:22:22	1.0	Bottom	3	1	25.88	8.25	27.14	78.5	5.75	2.5	7.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS7	19:23:03	1.0	Bottom	3	2	25.91	8.26	27.01	76	5.95	2.3	6.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS8	19:22:17	1.0	Surface	1	1	25.83	8.24	27.38	79.9	5.8	2.6	2.9
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS8	19:22:58	1.0	Surface	1	2	25.89	8.25	27.2	75.5	5.92	2.8	2.9
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS8	19:22:03	5.6	Bottom	3	1	25.88	8.23	28	79.8	5.85	2.7	2.8
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS8	19:22:41	5.6	Bottom	3	2	25.88	8.24	27.38	71.1	4.95	2.7	4.5
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS(MF)9	19:44:49	1.0	Surface	1	1	25.89	8.25	27.17	71.6	5.21	2.6	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS(MF)9	19:44:29	1.0	Surface	1	2	25.96	8.25	26.87	72.1	5.03	2.2	4.4
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS(MF)9	19:44:05	4.0	Bottom	3	1	25.9	8.25	27.17	71.9	5.02	2.5	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS(MF)9	19:44:38	4.0	Bottom	3	2	25.9	8.25	27.17	71.8	5	2.3	4.8
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS10	18:48:23	1.0	Surface	1	1	26.77	8.29	22.76	72.3	5.09	4.6	3.3
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS10	18:49:04	1.0	Surface	1	2	26.17	8.23	24.36	74.3	5.54	5.3	2.5
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS10	18:48:04	6.9	Middle	2	1	25.37	8.19	28.83	71.5	5.21	5.7	3.3
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS10	18:48:54	6.9	Middle	2	2	25.53	8.19	28.84	71.8	5.31	4.7	4.5
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS10	18:48:40	12.8	Bottom	3	1	25.43	8.18	29.16	76.6	5.63	5.6	2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	IS10	18:47:55	12.8	Bottom	3	2	25.42	8.19	29.18	72.9	5.37	5.4	4.3
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR3	11:39:57	1.0	Middle	2	1	27.51	8.15	18.02	80.8	5.77	4.4	6.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR3	11:38:54	1.0	Middle	2	2	27.48	8.15	18.28	80.1	5.71	4.8	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	2014-06-11	Mid-Flood	Fine	SR4	11:39:36	1.0	Surface	1	1	26.64	8.04	24.38	75.8	5.34	6.5	5.5
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR4	11:38:34	1.0	Surface	1	2	26.58	8.03	24.67	75.3	5.3	6.3	5.9
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR4	11:39:16	9.1	Bottom	3	1	26.47	8.04	25.07	71	5.03	8.8	5.3
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR4	11:38:21	9.1	Bottom	3	2	26.52	8.02	24.95	71.1	5.03	9.1	6.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR5	11:47:40	1.0	Surface	1	1	27.47	8.15	18.55	84.1	5.99	3.4	2.9
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR5	11:48:02	1.0	Surface	1	2	27.32	8.13	18.9	81.4	5.72	3.3	3.4
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR5	11:47:24	3.9	Bottom	3	1	27.06	8.09	20.7	79.1	5.61	6.5	3.1
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR5	11:47:52	3.9	Bottom	3	2	27.04	8.09	22.45	79.4	5.66	6.7	4
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10A	13:04:40	1.0	Surface	1	1	27.59	8.16	17.2	89.4	6.4	2	3.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10A	13:03:36	1.0	Surface	1	2	27.56	8.15	17.26	84.3	6.05	2.1	3
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10A	13:04:19	3.6	Middle	2	1	27.35	8.12	18.94	79.7	5.68	3.4	5
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10A	13:03:24	3.6	Middle	2	2	27.32	8.11	19.24	78	5.55	3.3	4
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10A	13:03:06	6.1	Bottom	3	1	26.78	8.06	23.26	70.8	4.97	7.2	3.9
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10A	13:04:00	6.1	Bottom	3	2	26.86	8.07	22.82	73.9	5.19	7	3.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10B	18:11:47	1.0	Surface	1	1	27.19	8.16	20.38	85.7	5.99	5.1	3.8
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10B	18:11:06	1.0	Surface	1	2	27.2	8.17	20.61	84.6	5.99	5.1	4.7
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10B	18:10:52	4.9	Bottom	3	1	27.32	8.1	23.3	80.6	5.64	6.3	4.7
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	SR10B	18:11:30	4.9	Bottom	3	2	26.79	8.11	23.23	84.7	6	5.7	6.4
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS2	18:11:17	1.0	Surface	1	1	26.82	8.14	23.84	79.3	5.57	8.3	2.3
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS2	18:10:40	1.0	Surface	1	2	26.46	8.1	24.73	76	5.34	7.9	3.2
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS2	18:04:00	2.3	Middle	2	1	27.2	8.24	21	98.1	6.92	4.5	2.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS2	18:03:40	2.3	Middle	2	2	27.28	8.26	20.96	101.8	7.18	4.8	3
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS2	18:03:32	3.5	Bottom	3	1	27.35	8.24	21.3	98.4	6.92	5.3	3.8
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS2	18:03:50	3.5	Bottom	3	2	27.2	8.23	22.27	99.6	6.99	5.8	2.8
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS(M)F5	16:53:12	1.0	Surface	1	1	27.34	8.09	18.26	84	6.01	2.6	2.7
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS(M)F5	16:54:15	1.0	Surface	1	2	27.56	8.13	16.92	82.4	5.92	2.8	3.9
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS(M)F5	16:52:50	3.7	Middle	2	1	26.67	8	22.79	79.6	5.57	6.2	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS(M)F5	16:54:02	3.7	Middle	2	2	26.86	8.03	22.69	75	5.27	6.5	3.6
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS(M)F5	16:52:41	6.3	Bottom	3	1	26.52	7.97	24.64	73.6	5.19	7.9	3.3
HKLR	HY/2011/03	2014-06-11	Mid-Flood	Fine	CS(M)F5	16:53:30	6.3	Bottom	3	2	26.5	8	24.58	72.4	5.07	8	3.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS5	14:07:14	1.0	Surface	1	1	27.68	7.9	23.49	93	6.42	7.1	5
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS5	14:08:16	1.0	Surface	1	2	27.98	7.94	23.19	91.4	6.29	7.1	5.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS5	14:06:59	4.4	Middle	2	1	27.22	7.77	26.77	76.1	5.2	11.2	4.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS5	14:08:03	4.4	Middle	2	2	27.13	7.76	26.95	73.8	5.04	11.6	5.5
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS5	14:06:43	7.7	Bottom	3	1	26.93	7.73	27.2	74.4	5.1	13.3	6.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS5	14:07:37	7.7	Bottom	3	2	26.92	7.73	27.23	74.2	5.08	12.3	6.8
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS(M)F6	13:52:37	1.0	Surface	1	1	28.07	7.96	21.84	106.9	7.4	6	4.5
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS(M)F6	13:53:01	1.0	Surface	1	2	28.11	7.96	21.79	114.2	7.9	5.7	4.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS(M)F6	13:52:51	2.2	Bottom	3	1	27.72	7.85	23.07	109.3	7.56	7.6	4.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS(M)F6	13:52:26	2.2	Bottom	3	2	27.51	7.8	23.49	96.8	6.7	7.9	4.3
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS7	13:46:23	1.0	Surface	1	1	27.8	7.99	21.19	120.2	8.39	8	4
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS7	13:46:05	1.0	Surface	1	2	27.72	7.99	21.21	115.1	8.04	7.6	3.8
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS7	13:46:14	2.3	Bottom	3	1	27.56	7.85	23.05	118.3	8.21	8.3	3.7
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS7	13:45:57	2.3	Bottom	3	2	27.5	7.83	23.24	113.5	7.87	8.5	3.9
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS8	13:20:18	1.0	Surface	1	1	27.91	7.97	21.5	108.3	7.53	6.8	3.7
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS8	13:20:39	1.0	Surface	1	2	28.07	8.01	21.4	112.6	7.81	6.6	3.5
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS8	13:20:30	2.8	Bottom	3	1	27.83	7.83	23.43	106.1	7.35	8.8	4.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS8	13:20:11	2.8	Bottom	3	2	27.46	7.84	23.47	106.5	7.38	9.4	4.2
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS(M)F9	13:39:24	1.0	Surface	1	1	27.89	8.08	21.46	128.9	8.97	5.7	3.9
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS(M)F9	13:39:45	1.0	Surface	1	2	27.85	8.04	21.47	127.7	8.9	5.6	4.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS(M)F9	13:39:36	2.6	Bottom	3	1	27.56	7.94	22.77	126	8.75	7	4
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS(M)F9	13:39:15	2.6	Bottom	3	2	27.6	7.96	22.63	124.8	8.67	7.2	5.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS10	13:11:33	1.0	Surface	1	1	27.91	8.07	19.19	78.8	5.55	2.1	3.7
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS10	13:12:09	1.0	Surface	1	2	27.92	8.06	19.19	78.8	5.55	2.2	2.2
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS10	13:11:59	5.5	Middle	2	1	27.7	8.07	19.69	77.3	5.45	3.4	2
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS10	13:11:20	5.5	Middle	2	2	27.53	8.08	19.97	76.5	5.4	3.4	2.7
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	IS10	13:11:10	9.9	Bottom	3	1	27.35	8.05	21.8	77.5	5.43	3.5	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	2014-06-13	Mid-Ebb	Sunny	IS10	13:11:45	9.9	Bottom	3	2	27.62	8.04	21.67	78.7	5.5	3.4	2.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR3	14:21:07	0.9	Middle	2	1	28.03	7.99	23.17	117.8	8.1	4.4	5.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR3	14:21:00	0.9	Middle	2	2	28.03	7.99	23.16	117.5	8.08	4.1	5.2
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR4	13:29:14	1.0	Surface	1	1	28.15	8.01	21.38	119.3	8.13	5	4.4
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR4	13:29:35	1.0	Surface	1	2	28.11	7.99	21.42	119.3	8.28	4.5	3.5
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR4	13:29:28	2.7	Bottom	3	1	27.75	7.87	22.69	117	8.11	6.2	3.7
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR4	13:29:03	2.7	Bottom	3	2	27.47	7.82	23.4	109.9	7.62	6.7	5.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR5	13:19:35	1.0	Surface	1	1	27.96	8.05	19.12	80.5	5.67	1.4	2.9
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR5	13:20:01	1.0	Surface	1	2	27.98	8.05	19.11	81	5.7	1.4	3
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR5	13:19:42	3.7	Bottom	3	1	27.9	8.05	19.3	80.5	5.67	1.4	2
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR5	13:19:24	3.7	Bottom	3	2	27.9	8.05	19.27	80.4	5.66	1.4	2
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10A	11:50:21	1.0	Surface	1	1	27.42	8.06	22.88	86	5.98	1.8	2.4
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10A	11:49:42	1.0	Surface	1	2	27.38	8.07	22.94	86.6	6.03	1.7	2.5
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10A	11:49:30	3.2	Middle	2	1	26.72	8.03	24.97	79.8	5.56	2.2	2.9
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10A	11:49:07	3.2	Middle	2	2	26.37	7.99	26.05	75.5	5.26	2.4	2.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10A	11:49:17	5.3	Bottom	3	1	26.45	8.02	25.82	79.4	5.53	2.6	2.8
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10A	11:49:58	5.3	Bottom	3	2	26.24	7.98	26.64	77.7	5.4	2.7	2.7
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10B	11:35:27	1.0	Surface	1	1	26.55	8	25.39	78.4	5.46	2.9	4.4
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10B	11:35:46	1.0	Surface	1	2	26.57	7.99	25.25	78	5.44	2.9	3.5
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10B	11:35:41	4.0	Bottom	3	1	26.5	7.98	25.69	78	5.42	3	3.7
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	SR10B	11:35:18	4.0	Bottom	3	2	26.55	8	25.52	78.7	5.47	2.9	4.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS2	14:33:42	1.0	Surface	1	1	27.43	8.06	20.35	75.4	5.32	4.6	4.2
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS2	14:33:10	1.0	Surface	1	2	27.39	8.06	20.36	74.6	5.27	4.8	3.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS2	14:33:02	4.0	Middle	2	1	27.26	8.06	21.15	73.5	5.18	4.7	5.1
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS2	14:33:34	4.0	Middle	2	2	27.36	8.06	20.57	74.2	5.23	4.6	4
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS2	14:33:22	7.0	Bottom	3	1	27.26	8.05	21.73	74.7	5.25	4.7	5
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS2	14:32:51	7.0	Bottom	3	2	27.21	8.05	21.86	74.8	5.25	4.8	5.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS(MF)5	12:34:40	1.0	Surface	1	1	27.77	7.81	21.18	82.1	5.74	3.5	2.8
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS(MF)5	12:35:36	1.0	Surface	1	2	27.67	7.78	21.34	81.3	5.68	3.3	2.7
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS(MF)5	12:34:17	6.8	Middle	2	1	26.63	7.77	24.64	71.6	5.01	5.8	3.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS(MF)5	12:35:14	6.8	Middle	2	2	26.62	7.74	24.68	72.8	5.08	6	4.4
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS(MF)5	12:35:02	12.6	Bottom	3	1	26.6	7.75	24.82	71	4.96	6.3	3.6
HKLR	HY/2011/03	2014-06-13	Mid-Ebb	Sunny	CS(MF)5	12:34:06	12.6	Bottom	3	2	26.6	7.77	24.79	70.6	4.93	5.9	3.4
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS5	18:48:43	1.0	Surface	1	1	27.94	8.46	21.98	113	7.83	9.5	5.7
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS5	18:49:37	1.0	Surface	1	2	27.94	8.44	22.06	114.7	7.95	9.2	5.8
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS5	18:49:23	4.4	Middle	2	1	27.9	8.38	22.43	108.8	7.53	8.9	6.5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS5	18:48:30	4.4	Middle	2	2	27.87	8.37	22.54	102.2	7.07	9.2	6.4
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS5	18:49:12	7.8	Bottom	3	1	27.88	8.37	22.52	108.3	7.5	9.7	5.9
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS5	18:48:21	7.8	Bottom	3	2	27.77	8.3	22.94	100.7	6.97	8.9	6.9
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS(MF)6	18:57:54	1.0	Surface	1	1	28	8.33	21.44	100.6	6.98	5.5	6.6
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS(MF)6	18:58:25	1.0	Surface	1	2	27.87	8.4	21.39	99.4	6.93	5.4	6.1
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS(MF)6	18:57:39	2.1	Bottom	3	1	27.61	8.15	22.75	94.7	6.58	7.8	6.3
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS(MF)6	18:58:19	2.1	Bottom	3	2	27.69	8.19	22.49	96.1	6.67	7.5	7.6
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS7	19:06:31	1.0	Surface	1	1	27.85	8.33	22.15	118.3	8.21	6.8	5.8
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS7	19:06:49	1.0	Surface	1	2	27.86	8.33	22.14	118.7	8.23	7	6.2
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS7	19:06:19	2.0	Bottom	3	1	27.85	8.34	22.16	117.8	8.18	8.6	6.4
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS7	19:06:37	2.0	Bottom	3	2	27.85	8.3	22.15	118.4	8.22	8.8	6.8
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS8	19:35:10	1.0	Surface	1	1	27.49	8.11	21.62	94.3	6.6	10.8	5.7
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS8	19:34:50	1.0	Surface	1	2	27.49	8.11	21.61	94.3	6.6	10.5	5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS8	19:34:58	2.7	Bottom	3	1	27.48	8.11	22.83	94.3	6.56	12.7	7.4
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS8	19:34:38	2.7	Bottom	3	2	27.49	8.1	22.83	95.2	6.62	12.1	7.2
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS(MF)9	19:13:56	1.0	Surface	1	1	27.7	8.35	22.44	103	7.15	10.3	8.3
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS(MF)9	19:13:39	1.0	Surface	1	2	27.73	8.37	22.4	105.6	7.33	11.1	8.5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS(MF)9	19:13:46	2.6	Bottom	3	1	27.62	8.31	22.77	104.1	7.22	11.5	8.6
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS(MF)9	19:13:22	2.6	Bottom	3	2	27.66	8.32	22.67	103.5	7.18	11.2	7.8
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS10	20:04:28	1.0	Surface	1	1	27.77	8.18	18.72	90.2	6.39	3.1	2.8
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS10	20:05:04	1.0	Surface	1	2	27.79	8.18	18.67	89.4	6.33	3.2	2.6

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	2014-06-13	Mid-Flood	Sunny	IS10	20:04:51	5.4	Middle	2	1	27.54	8.2	21.22	90.4	6.34	3.4	2.8
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS10	20:04:51	5.4	Middle	2	2	27.6	8.2	21.17	90.7	6.35	3.3	3.1
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS10	20:04:05	9.7	Bottom	3	1	27.62	8.14	22.14	86.3	6.01	3.4	3
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	IS10	20:04:42	9.7	Bottom	3	2	27.95	8.16	22.19	87.9	6.13	3.5	2.7
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR3	18:33:38	0.9	Middle	2	1	27.95	8.46	21.95	116.8	8.1	10.3	6.5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR3	18:33:45	0.9	Middle	2	2	27.96	8.46	22.01	119.3	8.26	9.5	7
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR4	19:26:09	1.0	Surface	1	1	27.53	8.13	21.71	98.3	6.88	9.8	6.4
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR4	19:25:41	1.0	Surface	1	2	27.51	8.12	21.68	98.1	6.86	10.1	6.2
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR4	19:25:28	2.6	Bottom	3	1	27.48	8.13	22.8	99.4	6.91	12.5	7.4
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR4	19:25:52	2.6	Bottom	3	2	27.48	8.12	22.9	98.8	6.86	11.6	7.9
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR5	19:54:29	1.0	Surface	1	1	27.9	8.07	17.87	80	5.68	3.2	3.9
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR5	19:54:49	1.0	Surface	1	2	27.82	8.07	17.63	79.7	5.67	3.4	2.5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR5	19:54:40	3.9	Bottom	3	1	27.77	8.04	19.94	79.6	5.6	3.3	2.7
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR5	19:54:14	3.9	Bottom	3	2	27.82	8.07	19.53	80.5	5.67	3.3	3.1
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10A	20:51:23	1.0	Surface	1	2	26.64	8.12	24.75	79.1	5.52	4	3.5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10A	20:51:48	3.4	Middle	2	1	26.68	8.12	26.88	76.2	5.3	3.8	3.8
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10A	20:50:47	3.4	Middle	2	2	26.21	8.12	26.93	76.7	5.32	7	4.1
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10A	20:51:36	5.7	Bottom	3	1	26.21	8.12	27.05	77.2	5.36	6.1	3.5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10A	20:50:36	5.7	Bottom	3	2	26.17	8.11	27.2	77.3	5.36	6.5	2.2
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10B	21:04:02	1.0	Surface	1	1	26.56	8.13	25.22	78	5.43	4.6	3.2
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10B	21:04:24	1.0	Surface	1	2	26.16	8.13	27.36	77.1	5.35	5	5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10B	21:03:47	4.2	Bottom	3	1	26.38	8.13	26.05	77.7	5.41	5.6	4.4
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	SR10B	21:03:06	1.0	Surface	1	2	27.78	8.11	17.61	74	5.28	6.4	3.6
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS2	18:36:22	1.0	Surface	1	1	27.77	8.13	17.83	76.2	5.35	6.1	3.3
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS2	18:36:51	4.0	Middle	2	1	27.46	8.09	20.82	71.5	5.03	6.2	3
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS2	18:36:02	4.0	Middle	2	2	27.16	8.15	21.63	76.1	5.35	6.2	4.4
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS2	18:36:37	7.0	Bottom	3	1	27.18	8.07	21.9	71.9	5.05	6.7	3.2
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS2	18:35:48	7.0	Bottom	3	2	27.08	8.19	22.12	71.8	5.05	6.5	3.2
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS(MF)5	20:15:21	1.0	Surface	1	1	27.1	8.05	22.96	79.6	5.57	4.5	5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS(MF)5	20:14:22	1.0	Surface	1	2	27.11	8.06	22.9	81.2	5.68	4.7	4.1
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS(MF)5	20:13:57	6.9	Middle	2	1	26.39	8.02	25.91	71.9	5.1	6.9	5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS(MF)5	20:15:01	6.9	Middle	2	2	26.38	8.01	26	72.8	5	6.7	4.5
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS(MF)5	20:13:46	12.8	Bottom	3	1	26.34	8.01	26.19	71.3	4.96	7.3	4.9
HKLR	HY/2011/03	2014-06-13	Mid-Flood	Sunny	CS(MF)5	20:14:47	12.8	Bottom	3	2	26.34	7.97	26.18	75.1	5.22	7	4.2
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS5	13:52:39	1.0	Surface	1	1	28.23	8.14	21.72	79.1	5.47	7.1	5.4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS5	13:52:03	1.0	Surface	1	2	28.22	8.14	21.73	79.2	5.47	7	5.3
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS5	13:51:49	4.3	Middle	2	1	28.09	8.13	22.05	77.9	5.38	7.5	6.5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS5	13:52:24	4.3	Middle	2	2	28.08	8.13	22.06	77	5.33	8	6.5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS5	13:51:42	7.5	Bottom	3	1	28.13	8.13	22.03	79.1	5.47	7.1	7.1
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS5	13:52:14	7.5	Bottom	3	2	28.09	8.13	22.1	78.6	5.43	7.8	8
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS(MF)6	14:03:04	1.0	Surface	1	1	28.21	8.14	20.46	85.2	5.93	2.9	2.3
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS(MF)6	14:03:17	1.0	Surface	1	2	28.23	8.14	20.44	85	5.91	2.9	2.2
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS(MF)6	14:03:08	2.2	Bottom	3	1	28.15	8.14	20.63	85.2	5.93	2.9	4.8
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS(MF)6	14:02:53	2.2	Bottom	3	2	28.08	8.13	20.8	85.6	5.96	3.1	3.4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS7	14:10:53	1.0	Surface	1	1	28.37	8.18	20.36	87.9	6.09	4.2	4.2
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS7	14:10:36	1.0	Surface	1	2	28.29	8.18	20.53	87.7	6.1	4	3.9
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS7	14:10:44	2.3	Bottom	3	1	28.22	8.18	20.88	87.5	6.08	4.3	4.9
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS7	14:10:30	2.3	Bottom	3	2	28.28	8.18	20.79	87.4	6.06	4.2	4.6
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS8	14:44:05	1.0	Surface	1	1	28.17	8.15	21.29	83.3	5.78	5	4.4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS8	14:43:48	1.0	Surface	1	2	28.16	8.15	20.91	84.1	5.85	4.9	4.2
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS8	14:43:57	2.8	Bottom	3	1	28.14	8.13	21.73	83.9	5.8	5.7	4.3
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS8	14:43:39	2.8	Bottom	3	2	28.16	8.13	21.72	84.1	5.82	5.6	5.5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS(MF)9	14:24:16	1.0	Surface	1	1	28.45	8.1	21.36	88.4	6.12	3.1	4.1
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS(MF)9	14:23:38	1.0	Surface	1	2	28.55	8.18	20.26	88.3	6.12	3.4	4.6
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS(MF)9	14:23:29	2.4	Bottom	3	1	28.62	8.16	21.79	88.5	6.07	3.7	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	2014-06-16	Mid-Ebb	Sunny	IS(MF)9	14:24:11	2.0	Bottom	3	2	28.37	8.03	22.22	85.8	5.9	3.6	3.2
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS10	15:01:51	1.4	Surface	1	1	28.32	8.12	19.79	77.6	5.41	5.3	4.1
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS10	15:01:17	1.0	Surface	1	2	28.37	8.12	19.76	77.9	5.43	5.3	2.3
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS10	15:01:42	5.2	Middle	2	1	27.92	8.1	21.9	75.2	5.22	5.5	3
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS10	15:01:07	5.2	Middle	2	2	27.91	8.09	21.97	75.2	5.22	5.3	3.5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS10	15:01:33	9.4	Bottom	3	1	27.97	8.09	22.16	78	5.4	5.4	3.5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	IS10	15:00:59	9.4	Bottom	3	2	27.94	8.09	22.27	77.7	5.38	5.5	5.4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR3	13:39:05	0.8	Middle	2	1	28.25	8.12	21.64	82.8	5.73	5.8	3.6
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR3	13:39:12	0.8	Middle	2	2	28.24	8.13	21.62	81.3	5.7	5.8	3.1
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR4	14:33:41	1.0	Surface	1	2	29.08	8.06	19.75	79.3	5.46	4.9	3.6
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR4	14:33:22	1.0	Surface	1	2	28.58	8.03	20.15	78.7	5.45	5.4	3.4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR4	14:33:14	2.6	Bottom	3	1	28.63	8.02	20.13	79.5	5.51	5.5	4.5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR4	14:33:28	2.6	Bottom	3	2	28.54	8.03	20.19	78.2	5.42	6.1	5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR5	14:49:47	1.0	Surface	1	1	28.47	8.11	19.75	84.3	5.87	2.2	3.9
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR5	14:50:10	1.0	Surface	1	2	28.5	8.1	19.73	84.2	5.86	2.1	4.4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR5	14:50:01	3.8	Bottom	3	1	28.43	8.11	19.75	84.1	5.85	2.2	4.8
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR5	14:49:38	3.8	Bottom	3	2	28.44	8.11	19.76	84	5.85	2.1	3.1
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10A	15:39:28	1.0	Surface	1	1	28.81	8.14	19.77	86.9	6.01	2	3
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10A	15:40:04	1.0	Surface	1	2	28.84	8.15	19.61	86.6	5.99	2	3.2
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10A	15:39:51	3.3	Middle	2	1	28.42	8.14	20.48	81.7	5.66	2.4	3
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10A	15:39:16	3.3	Middle	2	2	28.55	8.14	19.85	82	5.69	2.3	2.7
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10A	15:39:43	5.5	Bottom	3	1	28	8.12	22.07	82.2	5.69	3	2.6
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10A	15:39:06	5.5	Bottom	3	2	27.91	8.12	22.27	80.2	5.54	2.9	2.9
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10B	15:53:04	1.0	Surface	1	1	28.55	8.15	19.53	86	5.98	2.3	4.2
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10B	15:51:48	1.0	Surface	1	2	28.5	8.15	19.69	81.6	5.98	2.2	3.4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10B	15:51:37	4.0	Bottom	3	1	28.02	8.13	22.68	81.2	5.6	2.5	2.5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	SR10B	15:52:34	4.0	Bottom	3	2	28.24	8.12	22.34	88	6.06	2.5	4.1
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS2	13:42:16	1.0	Surface	1	1	28.31	8.12	20.2	80	5.57	5.8	5
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS2	13:41:47	1.0	Surface	1	2	28.35	8.12	20.24	80.2	5.57	6	3.9
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS2	13:42:06	4.0	Middle	2	1	27.91	8.11	21.55	78.9	5.49	6.2	3.4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS2	13:41:33	4.0	Middle	2	2	28.02	8.13	21.91	76.7	5.31	6.2	4.1
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS2	13:41:56	7.0	Bottom	3	1	28.12	8.08	23.38	80.6	5.53	6.1	3.8
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS2	13:41:21	7.0	Bottom	3	2	27.73	8.12	23.89	76.2	5.25	6.3	3
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS(MF)5	15:14:24	1.0	Surface	1	1	28.46	8.13	20.65	80.4	5.57	4.1	4
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS(MF)5	15:13:29	1.0	Surface	1	2	28.45	8.14	20.72	80.7	5.59	4.3	3.1
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS(MF)5	15:13:03	6.8	Middle	2	1	27.65	8.1	23.02	73.5	5.09	7.1	3.6
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS(MF)5	15:13:59	6.8	Middle	2	2	27.72	8.09	22.78	73.1	5.06	7	3.9
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS(MF)5	15:12:52	12.5	Bottom	3	1	27.65	8.1	23.15	70.9	4.91	6.4	4.7
HKLR	HY/2011/03	2014-06-16	Mid-Ebb	Sunny	CS(MF)5	15:13:49	12.5	Bottom	3	2	27.66	8.09	23.1	71.2	4.93	6.7	3.9
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS5	09:12:28	1.0	Surface	1	1	27.97	8.14	20.71	80	5.58	4.1	4.2
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS5	09:11:44	1.0	Surface	1	2	27.98	8.15	20.84	80.6	5.62	4	4.4
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS5	09:12:13	4.2	Middle	2	1	27.98	8.15	20.96	80.2	5.59	4.6	5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS5	09:11:32	4.2	Middle	2	2	27.99	8.15	21.11	80.3	5.59	4.8	4.8
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS5	09:12:00	7.3	Bottom	3	1	27.99	8.15	21.08	80.4	5.6	4.5	4.3
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS(MF)6	08:58:52	1.0	Surface	1	1	27.9	8.1	19.87	78.4	5.51	4.8	3.8
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS(MF)6	08:58:36	1.0	Surface	1	2	27.9	8.1	19.92	78.8	5.53	3.6	3.3
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS(MF)6	08:58:28	2.2	Bottom	3	1	27.91	8.11	20.34	79.2	5.55	3.3	4.6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS(MF)6	08:58:44	2.2	Bottom	3	2	27.91	8.1	20.23	78.5	5.5	3.4	4.3
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS7	08:51:38	1.0	Surface	1	1	27.94	8.16	20.5	83.2	5.82	2.9	3.8
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS7	08:51:20	1.0	Surface	1	2	27.94	8.16	20.54	83.2	5.81	3	3.3
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS7	08:51:09	2.4	Bottom	3	1	27.94	8.17	20.87	83.2	5.82	2.9	5.1
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS7	08:51:28	2.4	Bottom	3	2	27.94	8.17	20.87	83.2	5.81	3.1	4.5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS8	08:22:26	1.0	Surface	1	1	27.81	8.09	18.71	82.8	5.87	4.1	5.4
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS8	08:22:12	1.0	Surface	1	2	27.8	8.09	18.66	83.1	5.89	4.1	3.4
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS8	08:22:19	2.9	Bottom	3	1	27.8	8.09	19.04	83	5.87	4.3	4.9
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS8	08:22:00	2.9	Bottom	3	2	27.8	8.09	19.1	83.4	5.89	4.5	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	2014-06-16	Mid-Flood	Sunny	IS(MF)9	08:45:01	1.0	Surface	1	1	27.86	8.12	19.64	88.7	6.23	3.9	5.8
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS(MF)9	08:44:41	1.0	Surface	1	2	27.89	8.14	19.64	89.6	6.3	3.8	6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS(MF)9	08:44:50	2.8	Bottom	3	1	27.91	8.14	20.88	89.2	6.22	3.8	5.6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS(MF)9	08:44:33	2.8	Bottom	3	2	27.92	8.14	20.99	89.4	6.23	3.9	6.1
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS10	08:14:26	1.0	Surface	1	1	27.61	8.05	19.89	72.7	5.22	9.5	4.9
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS10	08:15:12	1.0	Surface	1	2	27.6	8.05	20.1	72.4	5.19	9.8	5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS10	08:14:15	5.2	Middle	2	1	27.46	8.04	22.22	71.7	5.09	10.7	4.1
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS10	08:15:01	5.2	Middle	2	2	27.46	8.04	22.19	71.3	5.07	10.7	4.8
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS10	08:14:04	9.4	Bottom	3	1	27.42	8.03	22.42	72.1	5.12	10.6	4.8
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	IS10	08:14:48	9.4	Bottom	3	2	27.41	8.03	22.5	71.8	5.1	10.7	4.5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR3	09:23:13	0.8	Middle	2	1	27.97	8.13	20.73	79.5	5.55	4.3	5.7
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR3	09:23:18	0.8	Middle	2	2	27.97	8.14	20.73	79.4	5.54	4	5.8
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR4	08:32:46	1.0	Surface	1	1	27.8	8.09	18.9	82.1	5.81	4.3	4.2
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR4	08:33:00	1.0	Surface	1	2	27.8	8.09	18.73	81.8	5.78	4.7	3.6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR4	08:32:36	2.8	Bottom	3	1	27.79	8.09	19.29	82.1	5.8	4.5	4.3
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR4	08:32:53	2.8	Bottom	3	2	27.79	8.09	19.61	81.9	5.77	5.1	4.7
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR5	08:23:21	1.0	Surface	1	1	27.55	8.03	20.82	72.9	5.21	8.6	4.6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR5	08:23:36	1.0	Surface	1	2	27.59	8.04	19.43	73.1	5.26	8.8	4.4
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR5	08:23:10	4.0	Bottom	3	1	27.52	8.01	22.11	73.2	5.2	8.6	5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR5	08:23:27	4.0	Bottom	3	2	27.55	8.03	21.13	73	5.21	8.7	3.3
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10A	07:22:15	1.0	Surface	1	1	27.7	8.14	19.56	82	5.78	2.6	3.8
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10A	07:22:55	1.0	Surface	1	2	27.69	8.16	19.32	81.8	5.77	2.8	4.9
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10A	07:22:45	3.4	Middle	2	1	27.56	8.18	21.71	80.8	5.65	2.6	4.5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10A	07:22:04	3.4	Middle	2	2	27.51	8.18	21.79	80.8	5.65	2.6	5.7
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10A	07:22:29	5.8	Bottom	3	1	27.37	8.19	24.2	80.5	5.57	3.1	4.4
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10A	07:21:54	5.8	Bottom	3	2	27.39	8.17	24.3	81.1	5.6	2.9	4.6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10B	07:08:21	1.0	Surface	1	1	26.99	8.24	27.83	75.8	5.16	6.7	4.9
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10B	07:07:56	1.0	Surface	1	2	27.01	8.22	27.67	76.1	5.2	6.5	4.6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10B	07:07:47	3.9	Bottom	3	1	26.99	8.22	28.03	76.4	5.2	6.7	4
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	SR10B	07:08:12	3.9	Bottom	3	2	26.97	8.23	28.24	75.7	5.15	7	3.5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS2	09:45:59	1.0	Surface	1	1	27.71	8.02	19.16	72	5.18	6.6	4.5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS2	09:46:28	1.0	Surface	1	2	27.66	8.04	18.71	71	5.12	6.7	4.6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS2	09:45:42	4.0	Middle	2	1	27.58	8.01	21.51	70.8	5.05	7.9	5.7
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS2	09:46:18	4.0	Middle	2	2	27.57	8	21.87	70.8	5.03	7.9	5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS2	09:45:28	6.9	Bottom	3	1	27.58	7.99	21.93	72	5.11	8.1	6
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS2	09:46:07	6.9	Bottom	3	2	27.63	7.98	21.9	72.1	5.12	8.3	4.1
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS(MF)5	07:51:04	1.0	Surface	1	1	27.6	8.21	21.73	79.5	5.54	3.3	4.5
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS(MF)5	07:50:00	1.0	Surface	1	2	27.59	8.2	21.76	79.6	5.55	3.7	5.2
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS(MF)5	07:49:32	6.8	Middle	2	1	27.11	8.24	26.24	77.3	5.31	6.5	4.9
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS(MF)5	07:50:46	6.8	Middle	2	2	27.14	8.24	26.25	77.6	5.33	6.6	5.3
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS(MF)5	07:50:22	12.5	Bottom	3	1	27.23	8.22	26.38	78.7	5.4	5.3	5.7
HKLR	HY/2011/03	2014-06-16	Mid-Flood	Sunny	CS(MF)5	07:49:23	12.5	Bottom	3	2	27.22	8.22	26.36	78.4	5.37	5.1	4.3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS5	16:13:47	1.0	Surface	1	1	29.22	8.18	19.04	87.7	6.05	4.8	5.3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS5	16:14:11	1.0	Surface	1	2	29.14	8.16	19.19	89.9	6.16	4.7	4.9
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS5	16:13:36	4.6	Middle	2	1	28.8	8.14	20.44	89.3	5.77	4.9	5.4
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS5	16:14:03	4.6	Middle	2	2	28.86	8.13	20.43	87.6	6.05	4.9	5.4
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS5	16:13:27	8.2	Bottom	3	1	28.75	8.13	20.87	81.8	5.64	5.1	5.7
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS5	16:13:57	8.2	Bottom	3	2	29.07	8.15	20.69	86.6	5.96	5	5.6
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS(MF)6	16:05:14	1.0	Surface	1	1	29.48	8.19	17.27	102.1	7.03	3.6	1.4
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS(MF)6	16:05:25	1.0	Surface	1	2	29.42	8.18	17.3	101.5	6.98	3.6	1.3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS(MF)6	16:05:08	2.3	Bottom	3	1	29.51	8.18	18.58	101.2	7.02	3.9	2.6
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS(MF)6	16:05:18	2.3	Bottom	3	2	29.5	8.19	18.77	100.5	6.98	3.6	2.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS7	15:59:28	1.0	Surface	1	1	29.85	8.22	16.58	107.1	7.42	3.9	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS7	15:59:11	1.0	Surface	1	2	29.9	8.23	16.55	105.7	7.31	4	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS7	15:59:18	2.3	Bottom	3	1	29.78	8.22	16.68	106.6	7.38	4.1	1
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS7	15:58:55	2.3	Bottom	3	2	29.48	8.17	17.03	102.5	7.12	4.1	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS8	15:40:35	1.0	Surface	1	1	29.24	8.15	17.47	91.1	6.34	7.7	1.5

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS8	15:40:08	1.0	Surface	1	2	28.89	8.1	18.33	86.5	6	7.7	1.5
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS8	15:40:17	2.5	Bottom	3	1	28.95	8.12	18.82	88.9	6.17	7.7	1.9
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS8	15:40:01	2.5	Bottom	3	2	28.78	8.08	19.28	86.2	6	7.9	1.9
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS(MF)9	15:53:09	1.0	Surface	1	2	29.72	8.21	17.04	105.6	7.3	4.3	<0.5
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS(MF)9	15:53:23	1.0	Surface	1	2	29.91	8.23	16.6	106.7	7.37	4.2	<0.5
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS(MF)9	15:53:13	2.4	Bottom	3	1	29.8	8.21	17	106.1	7.33	4.4	2.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS(MF)9	15:53:01	2.4	Bottom	3	1	29.6	8.19	17.41	105.6	7.3	4.6	2.5
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS10	16:53:53	1.0	Surface	1	1	28.84	8.09	17.24	76.5	5.37	5.7	2.4
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS10	16:54:34	1.0	Surface	1	2	28.9	8.08	17.21	80.3	5.63	5.6	2.5
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS10	16:54:16	5.4	Middle	2	1	28.3	8.05	19.93	77	5.31	5.7	2.7
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS10	16:53:40	5.4	Middle	2	2	28.27	8.06	19.89	74.3	5.13	5.7	2.9
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS10	16:54:06	9.8	Bottom	3	1	28.35	8.03	21.78	73.5	5.12	5.8	3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	IS10	16:53:30	9.8	Bottom	3	2	28.18	8.03	21.89	72.1	5.03	5.8	3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR3	16:20:46	0.7	Middle	2	1	29.41	8.14	18.68	99.3	6.84	4.7	2.8
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR3	16:20:48	0.7	Middle	2	2	29.42	8.15	18.67	98.4	6.85	4.8	3.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR4	15:45:51	1.0	Surface	1	1	29.35	8.18	17.1	98.5	6.85	5.2	3.4
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR4	15:45:41	1.0	Surface	1	2	29.36	8.17	17.21	97	6.74	5.4	3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR4	15:45:35	2.5	Bottom	3	1	29.4	8.16	18.59	95.5	6.59	5.4	5
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR4	15:45:44	2.5	Bottom	3	2	29.45	8.18	18.65	98	6.75	5.3	4.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR5	16:43:15	1.0	Surface	1	1	28.71	8.07	17.24	81.3	5.71	4.4	4.8
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR5	16:43:32	1.0	Surface	1	2	28.78	8.07	17.27	81.2	5.7	4.4	4.8
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR5	16:43:22	3.9	Bottom	3	1	28.69	8.05	19.05	82.1	5.71	4.5	5.7
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR5	16:43:07	3.9	Bottom	3	2	28.73	8.06	19.29	82.7	5.75	4.3	5.9
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10A	17:17:58	1.0	Surface	1	1	29.47	8.2	16.94	94	6.53	2.5	1.3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10A	17:17:33	1.0	Surface	1	2	29.26	8.18	18.18	91.4	6.33	2.4	1
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10A	17:17:50	3.3	Middle	2	1	29.28	8.18	18.26	92	6.37	2.6	1.1
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10A	17:17:22	3.3	Middle	2	2	29.23	8.18	18.77	91.3	6.31	2.5	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10A	17:17:14	5.5	Bottom	3	1	29.25	8.18	18.74	91.2	6.3	2.7	1.3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10A	17:17:41	5.5	Bottom	3	2	29.26	8.18	19.3	92.1	6.34	2.7	1.3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10B	17:23:02	1.0	Surface	1	1	29.42	8.19	17.37	96.4	6.65	2.5	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10B	17:23:24	1.0	Surface	1	2	29.47	8.2	17.23	96.1	6.64	2.4	0.9
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10B	17:22:53	3.7	Bottom	3	1	29.41	8.18	18.4	95.7	6.64	2.6	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	SR10B	17:23:14	3.7	Bottom	3	2	29.35	8.18	18.86	95.7	6.62	2.5	1.5
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS2	15:27:12	1.0	Surface	1	1	29.09	8.19	16.6	83.8	5.87	5.5	1.4
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS2	15:26:29	1.0	Surface	1	2	29.1	8.22	16.66	84.3	5.9	5.4	1.3
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS2	15:27:00	4.0	Middle	2	1	28.46	8.16	20.2	79.4	5.51	6.2	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS2	15:26:17	4.0	Middle	2	2	28.45	8.2	20.52	79.3	5.5	6.1	1.9
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS2	15:26:48	7.0	Bottom	3	1	28.46	8.15	20.75	81.5	5.64	6.5	2.8
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS2	15:25:55	7.0	Bottom	3	2	28.44	8.23	20.92	82.2	5.68	6.6	2.6
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS(MF)5	16:56:11	1.0	Surface	1	1	29.12	8.21	17.64	84.7	5.87	4.3	3.4
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS(MF)5	16:55:38	1.0	Surface	1	2	29.13	8.21	17.59	86.8	5.98	4.4	3.5
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS(MF)5	16:55:59	6.8	Middle	2	1	28.31	8.17	21.22	84.4	5.66	4.5	3.4
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS(MF)5	16:55:26	6.8	Middle	2	2	28.61	8.17	21.06	85.9	5.81	4.5	3.2
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS(MF)5	16:55:15	12.5	Bottom	3	1	28.61	8.15	26.46	79.1	5.45	4.5	3.9
HKLR	HY/2011/03	2014-06-18	Mid-Ebb	Sunny	CS(MF)5	16:55:49	12.5	Bottom	3	2	28.53	8.16	26.66	77.1	5.33	4.6	3.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS5	11:34:43	1.0	Surface	1	1	28.94	8.12	17.81	87.6	6.07	3.8	2.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS5	11:34:02	1.0	Surface	1	2	28.86	8.12	18.14	86.3	5.99	3.7	3.5
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS5	11:33:54	4.6	Middle	2	1	28.77	8.09	19.23	85.8	5.99	3.9	3.2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS5	11:34:35	4.6	Middle	2	2	28.79	8.09	19.05	87.2	6.08	4	3.7
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS5	11:33:45	8.2	Bottom	3	1	28.78	8.09	19.42	83.8	5.82	4.1	4.8
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS5	11:34:27	8.2	Bottom	3	2	28.79	8.04	19.45	85.1	5.91	4.1	4.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS(MF)6	11:26:10	1.0	Surface	1	1	29.1	8.11	16.53	89.8	6.3	3.7	1.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS(MF)6	11:25:46	1.0	Surface	1	2	29.1	8.11	16.47	90	6.31	3.6	2.3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS(MF)6	11:25:40	2.4	Bottom	3	1	29.08	8.11	16.59	89.6	6.28	3.7	2.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS(MF)6	11:25:54	2.4	Bottom	3	2	29.08	8.11	16.61	89.7	6.29	3.7	2.7
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS7	11:18:26	1.0	Surface	1	1	28.99	8.18	17.2	95.5	6.65	3.4	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS7	11:18:38	1.0	Surface	1	2	28.95	8.18	17.35	95	6.63	3.3	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	2014-06-18	Mid-Flood	Sunny	IS7	11:18:21	2.5	Bottom	3	1	29.02	8.18	18.54	95.1	6.63	3.7	2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS7	11:18:32	2.5	Bottom	3	2	28.99	8.17	19.08	94.7	6.57	3.5	1.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS8	10:55:10	1.0	Surface	1	1	28.82	8.08	15.74	81	5.7	2.6	2.3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS8	10:55:31	1.0	Surface	1	2	29.03	8.06	15.5	81.9	5.78	2.5	2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS8	10:55:01	3.1	Bottom	3	1	28.78	8.06	17.74	80.7	5.67	2.8	2.1
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS8	10:55:17	3.1	Bottom	3	2	28.78	8.06	17.84	80.9	5.66	2.7	2.2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS(MF)9	11:12:51	1.0	Surface	1	1	28.92	8.16	17.29	93.3	6.53	3.5	<0.5
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS(MF)9	11:13:01	1.0	Surface	1	2	28.91	8.16	17.3	93	6.51	3.4	0.7
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS(MF)9	11:12:55	2.6	Bottom	3	1	28.92	8.15	18.13	92.8	6.46	3.5	1.7
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS(MF)9	11:12:45	2.6	Bottom	3	2	28.92	8.16	18.29	93.2	6.49	3.7	1.8
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS10	10:09:31	1.0	Surface	1	1	28.57	8.06	15.99	78.7	5.58	5.2	2.2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS10	10:10:19	1.0	Surface	1	2	28.57	8.04	15.99	78.2	5.54	5.1	2.3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS10	10:09:21	5.4	Middle	2	1	28.45	8.03	18.38	77.5	5.43	5.6	2.4
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS10	10:10:03	5.4	Middle	2	2	28.39	8.03	18.4	77	5.4	5.5	2.1
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS10	10:09:08	9.7	Bottom	3	1	28.36	7.99	21.1	78.1	5.4	5.5	3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	IS10	10:09:08	9.7	Bottom	3	2	28.34	7.98	21.32	78.2	5.4	5.6	3.3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR3	11:41:14	0.8	Middle	2	1	29.09	8.1	17.69	91.9	6.4	2.8	4
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR3	11:41:17	0.8	Middle	2	2	29.09	8.11	17.66	92	6.41	2.9	3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR4	11:03:32	1.0	Surface	1	1	29.04	8.04	15.82	83.3	5.87	5.6	4.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR4	11:03:23	3.2	Bottom	3	1	29.04	8.05	15.85	84.1	5.92	5.5	4.7
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR4	11:03:16	3.2	Bottom	3	2	29.06	8.04	15.88	82.7	5.82	5.8	7.3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR5	10:19:34	1.0	Surface	1	1	28.61	8.01	16.11	80.2	5.68	2.2	3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR5	10:19:52	1.0	Surface	1	2	28.59	8	16.08	79.7	5.65	2.3	2.6
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR5	10:19:43	3.9	Bottom	3	1	28.61	7.99	16.97	79.6	5.61	2.2	3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR5	10:19:27	3.9	Bottom	3	2	28.61	7.99	17.16	79.6	5.61	2.1	2.8
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10A	09:31:32	1.0	Surface	1	1	28.65	8.06	17.81	79.1	5.55	2.3	1.4
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10A	09:31:00	1.0	Surface	1	2	28.63	8.05	17.86	79.7	5.57	2.3	1.2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10A	09:31:22	3.1	Middle	2	1	28.54	8.07	18.24	78.2	5.46	2.4	2.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10A	09:30:53	3.1	Middle	2	2	28.56	8.05	18.24	79.4	5.54	2.5	3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10A	09:31:16	5.1	Bottom	3	1	28.5	8.06	19.67	77.9	5.44	2.5	3.7
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10A	09:30:49	5.1	Bottom	3	2	28.61	8.03	19.46	79.1	5.54	2.5	4.7
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10B	09:24:30	1.0	Surface	1	1	28.65	8.03	17.86	80.6	5.65	2.3	2.3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10B	09:24:15	1.0	Surface	1	2	28.67	8.02	17.48	80.6	5.67	2.3	2.4
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10B	09:24:05	3.6	Bottom	3	1	28.66	8.01	18.35	80.4	5.62	2.4	2.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	SR10B	09:24:23	3.6	Bottom	3	2	28.64	8.02	18.38	80.6	5.64	2.5	3.2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS2	11:29:22	1.0	Surface	1	1	28.9	8.02	13.83	80.7	5.76	5.1	1.8
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS2	11:28:41	1.0	Surface	1	2	28.87	8.03	13.8	79.7	5.69	5	1.7
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS2	11:29:08	4.0	Middle	2	1	28.6	8.01	16.53	76.2	5.38	4.9	2.9
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS2	11:28:55	7.0	Bottom	3	1	28.37	7.95	20.38	78	5.42	5.3	3.3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS2	11:28:14	7.0	Bottom	3	2	28.26	7.95	20.45	76.5	5.32	5.4	2.6
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS(MF)5	10:03:01	1.0	Surface	1	1	28.66	8.14	16.94	86.1	5.33	2.4	2.1
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS(MF)5	10:03:58	1.0	Surface	1	2	28.71	8.06	16.99	86.3	5.54	2.3	3.2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS(MF)5	10:02:45	6.5	Middle	2	1	27.9	8.24	24.9	83.5	5.27	2.4	3.2
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS(MF)5	10:03:30	6.5	Middle	2	2	27.9	8.22	25.01	83.6	5.35	2.5	3
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS(MF)5	10:03:20	11.9	Bottom	3	1	27.95	8.21	26.66	74.8	5.22	2.7	3.4
HKLR	HY/2011/03	2014-06-18	Mid-Flood	Sunny	CS(MF)5	10:02:36	11.9	Bottom	3	2	27.96	8.22	26.75	74.8	5.21	2.6	4.5
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS5	17:54:54	1.0	Surface	1	1	29.62	8.44	16.57	96.1	6.68	9.3	5.1
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS5	17:54:00	4.3	Middle	2	1	29.17	8.3	20.19	78.7	5.4	12.9	5.1
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS5	17:54:42	4.3	Middle	2	2	29.34	8.31	20.17	80.9	5.53	12.6	5.3
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS5	17:53:53	7.5	Bottom	3	1	28.98	8.27	22.41	81.5	5.54	13.1	6
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS5	17:54:31	7.5	Bottom	3	2	29	8.26	22.33	80.8	5.49	12.7	6
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS(MF)6	18:00:19	1.0	Surface	1	1	29.63	8.44	17.96	109.5	7.55	8.4	4.7
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS(MF)6	18:00:34	1.0	Surface	1	2	29.63	8.47	17.85	111.1	7.66	8.4	4.5
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS(MF)6	18:00:25	2.1	Bottom	3	1	29.58	8.39	18.53	103.7	7.14	8.5	5.1

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	2014-06-20	Mid-Ebb	Fine	IS(MF)6	18:00:08	2.1	Bottom	3	2	29.56	8.36	18.88	105	7.21	8.4	5.2
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS7	18:07:09	1.0	Surface	1	1	29.73	8.44	17.77	114	7.85	3.9	2.8
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS7	18:07:26	1.0	Surface	1	2	29.62	8.4	18.05	111.9	7.71	3.8	2.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS7	18:07:16	2.2	Bottom	3	1	29.7	8.44	17.84	114.2	7.87	3.9	3.3
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS7	18:07:00	2.2	Bottom	3	2	29.69	8.42	17.81	113.7	7.83	3.9	3.2
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS8	18:31:21	1.0	Surface	1	1	29.39	8.36	18.23	98.1	6.72	9.5	2
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS8	18:31:37	1.0	Surface	1	2	29.4	8.37	18.1	95.4	6.46	9.5	1.6
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS8	18:31:29	3.0	Bottom	3	1	29.3	8.31	19.59	95.4	6.55	10.2	3.6
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS8	18:31:13	3.0	Bottom	3	2	29.42	8.36	19.68	95.1	6.57	10.5	2.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS(MF)9	18:15:06	1.0	Surface	1	1	29.6	8.53	18.56	113.3	7.79	16.7	12
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS(MF)9	18:14:29	1.0	Surface	1	2	29.6	8.52	18.6	113.5	7.8	16.5	12
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS(MF)9	18:14:19	2.7	Bottom	3	1	29.47	8.41	19.04	112.5	7.73	16.8	12.4
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS(MF)9	18:14:57	2.7	Bottom	3	2	29.43	8.39	19.17	114.1	7.84	16.4	11.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS10	18:54:33	1.0	Surface	1	1	29.4	8.2	12.52	88.1	6.28	2.3	3.2
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS10	18:53:43	1.0	Surface	1	2	29.33	8.18	12.6	87.8	6.26	2.3	3.2
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS10	18:53:31	5.0	Middle	2	1	28.95	8.09	18.07	81.5	5.68	3	3.5
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS10	18:54:18	5.0	Middle	2	2	28.82	8.09	20.19	83.1	5.72	3	3.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS10	18:54:07	9.0	Bottom	3	1	28.75	8.07	21.11	79.9	5.49	3.8	5.3
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	IS10	18:53:18	9.0	Bottom	3	2	28.76	8.05	20.97	78.2	5.39	3.4	5.2
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR3	17:46:44	0.7	Middle	2	1	29.65	8.47	16.29	115.2	8.01	7	5.8
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR3	17:46:52	0.7	Middle	2	2	29.65	8.49	16.13	116	8.07	6.8	6
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR4	18:25:49	1.0	Surface	1	1	29.51	8.43	18.06	101.3	6.99	7.6	2.7
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR4	18:26:13	1.0	Surface	1	2	29.4	8.38	18.26	96.5	6.67	7.7	2.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR4	18:25:35	2.6	Bottom	3	1	29.31	8.31	19.25	96.4	6.63	7.6	3.8
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR4	18:26:04	2.6	Bottom	3	2	29.26	8.3	19.53	99.6	6.85	7.6	3.8
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR5	18:45:07	1.0	Surface	1	1	29.21	8.14	13.11	90	6.41	2.2	3.8
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR5	18:45:31	1.0	Surface	1	2	29.26	8.14	13.23	91.6	6.52	2.3	3.7
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR5	18:44:57	3.6	Bottom	3	1	29.13	8.1	16.84	89.1	6.23	2.4	3.7
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR5	18:45:21	3.6	Bottom	3	2	29.2	8.09	16.7	90.6	6.33	2.5	3.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10A	19:43:25	1.0	Surface	1	1	29.22	8.31	19.26	84.8	5.84	2.6	2.6
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10A	19:43:55	1.0	Surface	1	2	29.29	8.31	19.04	87	5.99	2.6	2.6
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10A	19:43:42	3.2	Middle	2	1	29.05	8.31	20.57	85.4	5.81	3.5	3.7
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10A	19:43:17	3.2	Middle	2	2	29.15	8.31	20.46	82.8	5.67	3.3	4
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10A	19:43:06	5.4	Bottom	3	1	28.91	8.31	22.53	81.1	5.52	3.3	3.8
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10A	19:43:35	5.4	Bottom	3	2	29.12	8.3	21.95	79.1	5.45	3.5	3.8
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10B	19:51:14	1.0	Surface	1	1	29.2	8.31	19.8	87.2	5.99	2.5	1.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10B	19:51:39	1.0	Surface	1	2	29.19	8.31	19.87	86.5	5.94	2.5	2.3
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10B	19:51:05	3.7	Bottom	3	1	29.22	8.31	19.82	87.4	6	2.4	1.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	SR10B	19:51:27	3.7	Bottom	3	2	29.14	8.31	20.34	86.5	5.93	2.5	2.5
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS2	17:32:25	1.0	Surface	1	1	29.26	8.05	12.66	88.8	6.34	4.6	3.3
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS2	17:33:05	1.0	Surface	1	2	29.24	8.09	12.71	88	6.28	4.3	3
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS2	17:32:55	3.7	Middle	2	1	29.03	8.03	15.3	83.4	5.89	7.8	4.6
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS2	17:32:13	3.7	Middle	2	2	28.99	7.97	15.24	81.7	5.77	7.7	5
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS2	17:32:04	6.3	Bottom	3	1	28.71	7.86	21.31	81.8	5.62	7.9	4.5
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS2	17:32:44	6.3	Bottom	3	2	28.79	7.95	21.21	86.5	5.94	8.4	4.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS(MF)5	19:05:55	1.0	Surface	1	1	29.23	8.34	16.13	81.9	5.74	3.3	3.4
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS(MF)5	19:06:45	1.0	Surface	1	2	29.32	8.32	23.41	84.7	5.92	3.3	3.1
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS(MF)5	19:05:44	5.9	Middle	2	1	28.64	8.32	23.41	73.9	5.02	3.5	3.3
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS(MF)5	19:06:30	5.9	Middle	2	2	28.64	8.32	23.39	74	5.03	3.3	2.9
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS(MF)5	19:06:16	10.8	Bottom	3	1	28.39	8.31	26.67	74.9	5.02	4.6	4.2
HKLR	HY/2011/03	2014-06-20	Mid-Ebb	Fine	CS(MF)5	19:05:29	10.8	Bottom	3	2	28.37	8.31	26.71	73.9	4.95	4.5	3.4
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS5	13:40:40	1.0	Surface	1	1	29.5	8.37	19.01	89.4	6.14	7.1	13.4
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS5	13:39:58	1.0	Surface	1	2	29.48	8.37	19.02	88.4	6.07	7	13.2
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS5	13:39:47	4.4	Middle	2	1	29.16	8.27	20.44	78.6	5.39	9.1	13.9
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS5	13:40:27	4.4	Middle	2	2	20.61	8.27	20.61	77.9	5.32	9.1	13.4
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS5	13:40:16	7.7	Bottom	3	1	28.86	8.27	22.84	79.9	5.43	9.5	14
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS5	13:39:34	7.7	Bottom	3	2	28.89	8.28	22.92	82	5.57	9.3	13.6

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	2014-06-20	Mid-Flood	Rainy	IS(MF)6	13:31:52	1.0	Surface	1	1	29.7	8.62	17.92	135.4	9.32	4.8	4
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS(MF)6	13:31:31	1.0	Surface	1	2	29.74	8.65	17.88	134.8	9.25	4.5	4.3
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS(MF)6	13:31:42	2.1	Bottom	3	1	29.52	8.47	18.91	128.6	8.85	4.6	4.3
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS(MF)6	13:31:20	2.1	Bottom	3	2	29.62	8.53	18.91	128.8	8.84	4.5	4.3
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS7	13:24:49	1.0	Surface	1	1	29.57	8.53	18.2	121.8	8.39	4.5	3.4
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS7	13:25:07	1.0	Surface	1	2	29.6	8.56	18.12	125.7	8.66	4.4	3.9
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS7	13:24:55	2.0	Bottom	3	1	29.49	8.5	18.4	121.9	8.4	4.5	6.3
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS7	13:24:39	2.0	Bottom	3	2	29.49	8.48	18.42	122.9	8.47	4.5	7.3
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS8	13:01:39	1.0	Surface	1	1	29.15	8.27	17.91	84.1	5.85	6.6	4.5
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS8	13:01:18	1.0	Surface	1	2	29.14	8.27	17.97	83.4	5.79	6.5	3.9
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS8	13:01:09	3.0	Bottom	3	1	29.09	8.26	18.36	83.2	5.77	6.6	4.1
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS8	13:01:26	3.0	Bottom	3	2	29.11	8.26	18.29	83.6	5.8	6.6	5
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS(MF)9	13:18:31	1.0	Surface	1	1	29.31	8.35	18.15	96.3	6.66	7.5	5.2
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS(MF)9	13:18:44	1.0	Surface	1	2	29.31	8.35	18.3	96.4	6.67	7.5	5
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS(MF)9	13:18:24	2.7	Bottom	3	1	29.3	8.34	19.1	96.6	6.66	7.3	5.8
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS(MF)9	13:18:37	2.7	Bottom	3	2	29.31	8.34	18.54	96.6	6.67	7.3	5.1
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS10	12:48:14	1.0	Surface	1	1	29.14	8.15	15.99	84.5	5.94	4.1	2.8
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS10	12:49:07	1.0	Surface	1	2	29.14	8.15	16.07	84.6	5.94	4.1	3.1
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS10	12:48:49	5.2	Middle	2	1	28.79	8.13	20.22	77.1	5.32	8.7	3.3
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS10	12:47:57	5.2	Middle	2	2	28.84	8.14	19.84	77.6	5.36	8.7	3.1
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS10	12:47:44	9.3	Bottom	3	1	28.68	8.12	21.69	75.8	5.2	7.7	2.7
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	IS10	12:48:39	9.3	Bottom	3	2	28.67	8.1	21.95	77.6	5.32	7.8	3.4
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR3	13:49:14	0.7	Middle	2	1	29.56	8.35	18.96	103	7.07	5.5	4.5
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR3	13:49:20	0.7	Middle	2	2	29.56	8.37	18.97	104.2	7.15	5.7	4.2
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR4	13:08:18	1.0	Surface	1	1	29.17	8.24	18.47	81.5	5.65	15.2	11
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR4	13:08:33	1.0	Surface	1	2	29.14	8.24	18.59	80.7	5.59	15.2	11
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR4	13:08:24	2.7	Bottom	3	1	29.12	8.23	18.77	81.6	5.65	15.2	12.2
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR4	13:08:09	2.7	Bottom	3	2	29.15	8.23	18.67	80.9	5.6	15.4	12.8
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR5	12:55:58	1.0	Surface	1	1	29.09	8.13	16.11	87.3	6.13	2.8	3.7
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR5	12:55:41	1.0	Surface	1	2	29.14	8.13	15.95	88	6.19	2.5	3.7
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR5	12:55:30	3.8	Bottom	3	1	29.08	8.09	18.94	88.2	6.1	3	5.7
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR5	12:55:50	3.8	Bottom	3	2	29.05	8.09	18.76	87.7	6.07	2.8	5.5
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10A	12:02:54	1.0	Surface	1	1	29.06	8.2	18.3	80.1	5.56	2.2	4.5
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10A	12:03:25	1.0	Surface	1	2	29.09	8.2	18.28	80.1	5.56	2.2	4.2
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10A	12:03:13	3.4	Middle	2	1	28.92	8.21	19.98	78.7	5.43	2.2	7.8
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10A	12:02:46	3.4	Middle	2	2	28.96	8.2	19.64	79.3	5.48	2.3	7.5
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10A	12:03:06	5.7	Bottom	3	1	28.92	8.2	20.79	79.4	5.45	2.3	8.8
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10A	12:02:37	5.7	Bottom	3	2	28.99	8.18	20.6	80	5.49	2.2	9.4
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10B	11:57:56	1.0	Surface	1	1	28.77	8.19	21	77.4	5.32	3.4	13
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10B	11:57:35	1.0	Surface	1	2	28.7	8.18	21.27	76.4	5.25	3.5	14.1
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10B	11:57:27	3.8	Bottom	3	1	28.66	8.18	23.05	76.6	5.22	3.5	17.8
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	SR10B	11:57:27	3.8	Bottom	3	2	28.66	8.17	23.19	76.5	5.2	3.6	16.9
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS2	14:06:17	1.0	Surface	1	1	29.26	8.13	13.85	83.4	5.91	5.8	3.3
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS2	14:07:07	1.0	Surface	1	2	29.28	8.13	14.01	84.9	6.02	5.5	3.7
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS2	14:06:02	3.7	Middle	2	1	28.98	8.08	18.23	77.2	5.37	7.5	5
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS2	14:06:47	3.7	Middle	2	2	28.82	8.07	20.65	77.1	5.31	7.4	4.9
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS2	14:06:27	6.3	Bottom	3	1	28.81	8.02	21.76	81.3	5.48	8.4	5.7
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS2	14:05:45	6.3	Bottom	3	2	28.67	8.03	21.85	77.3	5.3	8.7	5.4
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS(MF)5	12:31:23	1.0	Surface	1	1	29.04	8.27	17.61	75.6	5.27	4.7	3.6
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS(MF)5	12:30:46	1.0	Surface	1	2	29.02	8.28	17.57	75	5.23	4.8	3.8
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS(MF)5	12:31:13	6.4	Middle	2	1	28.73	8.28	21.57	74.7	5	5.4	4.7
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS(MF)5	12:30:36	6.4	Middle	2	2	28.67	8.27	21.94	74.8	5	4.7	4.7
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS(MF)5	12:30:59	11.7	Bottom	3	1	28.57	8.27	26.74	71.5	4.91	5.5	5.8
HKLR	HY/2011/03	2014-06-20	Mid-Flood	Rainy	CS(MF)5	12:30:24	11.7	Bottom	3	2	28.59	8.25	26.75	71.4	4.89	5.3	5.9
HKLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS5	11:51:47	1.0	Surface	1	1	28.49	8.35	16.22	78.8	5.17	11.6	3.8
HKLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS5	11:51:08	1.0	Surface	1	2	28.51	8.33	17.09	74.7	5.27	11.5	3
HKLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS5	11:51:31	4.2	Middle	2	1	28.38	8.35	25.45	72.4	5.12	11.7	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
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS5	11:50:44	4.2	Middle	2		28.33	8.34	26.73	74.2	5.23	11.4	3.7
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS5	11:51:22	7.3	Bottom	3	1	28.37	8.33	27.34	69.1	4.62	11.4	4.9
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS5	11:50:37	7.3	Bottom	3	2	28.37	8.31	27.33	72.3	4.83	11.5	5.1
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS(MF)6	11:43:45	1.0	Surface	1	1	28.73	8.28	17.8	79.1	5.54	14.5	4.7
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS(MF)6	11:44:04	1.0	Surface	1	2	28.73	8.29	17.65	77.1	5.4	14.1	4.1
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS(MF)6	11:43:36	2.0	Bottom	3	1	28.74	8.28	17.89	80.8	5.65	14.6	5.1
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS(MF)6	11:43:52	2.0	Bottom	3	2	28.71	8.28	19.25	77.8	5.41	14.5	5
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS7	11:35:35	1.0	Surface	1	1	28.7	8.26	16.68	77.3	5.45	15	3.6
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS7	11:35:54	1.0	Surface	1	2	28.74	8.23	17.77	75.3	5.31	15.1	3
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS7	11:35:23	2.1	Bottom	3	1	28.78	8.2	18.33	76.3	5.32	14.8	3.4
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS7	11:35:42	2.1	Bottom	3	2	28.78	8.22	18.71	75.9	5.28	14.9	3.6
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS8	11:11:15	1.0	Surface	1	1	28.65	8.26	17.46	73.6	5.16	9.4	6
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS8	11:11:41	1.0	Surface	1	2	28.79	8.25	17.77	73.7	5.16	9.4	6
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS8	11:11:25	3.0	Bottom	3	1	28.77	8.2	20.62	72.6	5	9.2	6.3
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS8	11:10:59	3.0	Bottom	3	2	28.71	8.19	19.84	72.6	5.03	9.4	5.4
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS(MF)9	11:27:40	1.0	Surface	1	1	28.61	8.31	16.18	81.9	5.8	13.1	4.3
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS(MF)9	11:27:58	1.0	Surface	1	2	28.65	8.3	16.23	83.3	5.89	12.5	5.1
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS(MF)9	11:27:48	2.6	Bottom	3	1	28.69	8.28	17.98	84.2	5.89	13.1	4.8
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS(MF)9	11:27:15	2.6	Bottom	3	2	28.72	8.22	20.8	80.6	5.55	13.2	3.5
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS10	10:25:32	1.0	Surface	1	1	29.05	8.12	15.4	92.7	6.54	3.6	4
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS10	10:24:33	1.0	Surface	1	2	29	8.12	15.37	92.7	6.55	3.6	5.1
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS10	10:25:21	5.8	Middle	2	1	28.7	8.09	18.35	85	5.94	6	3.8
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS10	10:24:15	5.8	Middle	2	2	28.5	8.08	19.62	84	5.85	5.9	3.8
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS10	10:23:30	10.6	Bottom	3	1	27.9	8.02	22.75	77.8	5.37	5.6	4.7
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	IS10	10:25:04	10.6	Bottom	3	2	28	8.02	21.91	79	5.47	5.7	3.6
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR3	11:56:25	0.7	Middle	2	1	28.49	8.3	16.04	80.8	5.73	8.4	4.4
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR3	11:56:20	0.7	Middle	2	2	28.49	8.29	16.09	80.2	5.69	8.5	5.4
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR4	11:17:10	1.0	Surface	1	1	28.54	8.25	14.95	77.6	5.54	8.4	4
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR4	11:17:31	1.0	Surface	1	2	28.42	8.27	14.77	78.3	5.61	8.7	3.9
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR4	11:17:18	2.8	Bottom	3	1	28.61	8.21	19.36	78.7	5.48	9.6	3.5
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR4	11:17:03	2.8	Bottom	3	2	28.54	8.22	19.96	80.7	5.6	9.5	3.8
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR5	10:36:42	1.0	Surface	1	1	29.09	8.12	15.32	98.2	6.94	2.8	3.8
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR5	10:37:18	1.0	Surface	1	2	29	8.11	15.59	97	6.85	3	3.4
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR5	10:36:21	4.5	Bottom	3	1	28.81	8.08	18.59	97.2	6.77	3.1	4.6
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR5	10:36:50	4.5	Bottom	3	2	28.81	8.07	19.63	96.7	6.69	3	4.8
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10A	09:48:06	1.0	Surface	1	1	28.51	8.27	18.94	79.9	5.58	2.9	2.3
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10A	09:48:31	1.0	Surface	1	2	28.51	8.28	19.77	79.9	5.55	2.8	3.3
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10A	09:48:21	3.2	Middle	2	1	28.5	8.27	20.05	79.8	5.54	2.8	4.9
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10A	09:48:01	3.2	Middle	2	2	28.48	8.27	20.25	79.9	5.54	2.9	3.2
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10A	09:47:54	5.4	Bottom	3	1	28.51	8.26	20.35	80.2	5.56	2.8	3.8
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10A	09:48:14	5.4	Bottom	3	2	28.52	8.26	20.1	80	5.55	2.8	5.2
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10B	09:39:56	1.0	Surface	1	1	28.33	8.27	19.9	74.5	5.19	3.4	4.7
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10B	09:40:15	1.0	Surface	1	2	28.36	8.27	19.52	77.9	5.43	3.5	4.2
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10B	09:40:05	3.9	Bottom	3	1	28.37	8.25	21.59	76.5	5.1	3.4	4.1
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	SR10B	09:39:49	3.9	Bottom	3	2	28.23	8.25	23.21	74.5	5.1	3.6	4.3
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS2	11:32:36	1.0	Surface	1	1	29.14	8.12	12.99	92.5	6.61	4.4	4.3
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS2	11:33:15	1.0	Surface	1	2	29.07	8.11	13.16	92.8	6.64	4.3	3.2
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS2	11:32:30	4.1	Middle	2	1	28.85	8.08	15.63	87.5	6.2	5.3	3.9
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS2	11:33:06	4.1	Middle	2	2	28.73	8.05	18.41	87.1	6.09	5.2	3.7
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS2	11:32:22	7.2	Bottom	3	1	28.62	8.03	18.94	85.5	5.97	5.9	2.9
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS2	11:32:49	7.2	Bottom	3	2	28.15	7.99	20.4	86.1	6.01	5.8	3.2
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS(MF)5	10:32:58	1.0	Surface	1	1	28.72	8.31	16.14	74.7	5.28	4.8	3.4
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS(MF)5	10:32:20	1.0	Surface	1	2	28.68	8.31	17.41	73.6	5.17	4.8	4.7
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS(MF)5	10:32:44	6.2	Middle	2	1	28.37	8.33	21	73.8	5.18	5.2	5.1
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS(MF)5	10:32:07	6.2	Middle	2	2	28.44	8.33	20.69	71.9	5.11	5	4.8
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS(MF)5	10:31:56	11.4	Bottom	3	1	28.26	8.29	26.96	71.9	4.83	5.4	3.3
HCLR	HY/2011/03	2014-06-23	Mid-Ebb	Cloudy	CS(MF)5	10:32:34	11.4	Bottom	3	2	28.28	8.29	27.14	71.7	4.81	5.3	4.3

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	2014-06-23	Mid-Flood	Cloudy	IS5	15:33:01	1.0	Surface	1	1	28.86	8.35	17.19	77.9	5.46	11.4	3.8
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS5	15:32:27	1.0	Surface	1	2	28.84	8.33	17.28	76	5.33	11.3	2.8
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS5	15:32:17	4.2	Middle	2	1	28.68	8.28	19.22	74.1	5.05	11.4	4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS5	15:32:49	4.2	Middle	2	2	28.71	8.29	23.06	74	5.04	11.3	3.6
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS5	15:32:10	7.4	Bottom	3	1	28.64	8.26	23.06	69	4.8	11.5	4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS5	15:32:39	7.4	Bottom	3	2	28.65	8.27	23.03	69.2	4.8	11.5	4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS(M)6	15:42:01	1.0	Surface	1	1	28.91	8.35	17.17	83.9	5.88	18.6	3.9
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS(M)6	15:41:45	1.0	Surface	1	2	28.93	8.34	17.56	88.9	6.22	18.8	5.4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS(M)6	15:41:52	2.0	Bottom	3	1	28.89	8.31	19.08	86.5	6	18.8	5.1
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS(M)6	15:41:31	2.0	Bottom	3	2	28.97	8.35	17.76	91.7	6.4	18.4	4.4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS7	15:49:20	1.0	Surface	1	1	28.92	8.35	17.29	89.7	6.28	17.6	4.6
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS7	15:49:36	1.0	Surface	1	2	28.95	8.37	16.97	92.2	6.46	17.7	4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS7	15:49:26	2.1	Bottom	3	1	28.93	8.36	17.14	90.4	6.33	17.7	3.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS7	15:49:12	2.1	Bottom	3	2	28.95	8.36	18.09	93.2	6.49	17.5	4.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS8	16:16:30	1.0	Surface	1	1	28.95	8.31	16.82	76.6	5.37	10.6	3.4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS8	16:16:53	1.0	Surface	1	2	28.96	8.31	16.77	79.2	5.56	10.4	3.1
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS8	16:16:16	3.0	Bottom	3	1	28.85	8.24	20.28	80.7	5.28	10.4	4.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS8	16:16:39	3.0	Bottom	3	2	28.92	8.28	20.24	80.7	5.56	10.8	5.4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS(M)9	15:58:00	1.0	Surface	1	1	28.91	8.36	17.15	87.7	6.14	11.6	4.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS(M)9	15:58:23	1.0	Surface	1	2	28.9	8.35	17.08	84.1	5.9	11.4	4.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS(M)9	15:58:12	2.6	Bottom	3	1	28.77	8.29	18.74	83.1	5.78	11.6	4.4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS(M)9	15:57:48	2.6	Bottom	3	2	28.86	8.33	18.16	87.4	6.09	11.5	4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS10	16:44:38	1.0	Surface	1	1	29.14	8.15	12.8	93.7	6.7	2.7	3.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS10	16:45:48	1.0	Surface	1	2	29.2	8.16	12.6	93.9	6.71	2.8	3.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS10	16:45:31	5.7	Middle	2	1	28.58	8.05	18.98	84.9	5.91	3.2	5.1
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS10	16:44:19	5.7	Middle	2	2	28.59	8.05	18.35	84.5	5.91	3.1	3.9
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS10	16:43:49	10.3	Bottom	3	1	27.58	7.97	23.61	75.8	5.25	3.9	3.9
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	IS10	16:44:59	10.3	Bottom	3	2	27.54	7.97	23.81	76.3	5.27	4.1	3.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR3	15:21:17	0.6	Middle	2	1	28.86	8.28	17.47	89.3	6.25	8.2	5.8
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR4	15:21:23	0.6	Middle	2	2	28.86	8.28	17.45	88.4	6.19	8.2	5.8
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR4	16:11:14	1.0	Surface	1	1	28.91	8.31	16.88	82.3	5.78	11.4	6.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR4	16:11:03	1.0	Surface	1	2	28.91	8.31	17.06	82.3	5.77	11.7	5.2
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR4	16:10:54	2.7	Bottom	3	1	28.92	8.3	17.8	82.5	5.76	11.6	6.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR4	16:11:08	2.7	Bottom	3	2	28.92	8.13	18.09	83	5.78	11.5	6.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR5	16:31:48	1.0	Surface	1	1	29.09	8.13	12.84	95.3	6.82	2.7	4.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR5	16:32:24	1.0	Surface	1	2	29.13	8.13	12.89	96.8	6.92	2.7	4.4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR5	16:31:34	4.5	Bottom	3	1	28.71	8.06	17.71	92	6.45	3	3.9
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR5	16:32:07	4.5	Bottom	3	2	28.72	8.05	17.69	92.7	6.5	3	4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10A	17:36:51	1.0	Surface	1	1	28.32	8.36	24.03	72.7	7.3	5.2	4.3
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10A	17:36:19	1.0	Surface	1	2	28.26	8.36	24.25	72.7	5.11	5.3	4.1
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10A	17:36:40	3.4	Middle	2	1	28.22	8.36	25.1	72.3	5.07	5.5	4.4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10A	17:36:12	3.4	Middle	2	2	28.22	8.36	25.04	72.7	5.09	5.5	4.9
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10A	17:36:32	5.7	Bottom	3	1	28.22	8.36	25.13	72.4	5.07	5.4	5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10A	17:36:05	5.7	Bottom	3	2	28.25	8.36	24.95	72.8	5.1	5.3	4.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10B	17:46:23	1.0	Surface	1	1	28.29	8.35	24.4	72.2	5.07	5.3	4.4
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10B	17:46:02	1.0	Surface	1	2	28.27	8.36	24.55	72.1	5.06	5.5	4.1
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10B	17:46:10	4.1	Bottom	3	1	28.24	8.35	24.99	72	5.04	5.6	2.8
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	SR10B	17:45:53	4.1	Bottom	3	2	28.27	8.35	24.83	72.2	5.06	5.6	2.8
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS2	15:25:42	1.0	Surface	1	1	29.11	8.1	12.71	93.2	6.67	4	4.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS2	15:26:33	1.0	Surface	1	2	29.16	8.13	12.33	93.2	6.68	3.8	4.2
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS2	15:26:17	4.2	Middle	2	1	28.71	8.04	16.06	81.1	5.73	5.7	3.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS2	15:25:19	4.2	Middle	2	2	28.27	7.99	18.3	79.4	5.58	5.6	3.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS2	15:24:41	7.3	Bottom	3	1	27.76	7.92	23.62	77.2	5.32	6.1	3
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS2	15:26:01	7.3	Bottom	3	2	27.62	7.93	23.63	79.1	5.46	6.5	4.1
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS(M)5	17:02:29	1.0	Surface	1	1	28.93	8.36	16.71	76.6	5.38	4.3	2.5
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS(M)5	17:03:18	1.0	Surface	1	2	28.94	8.36	16.74	78	5.48	4.1	2.7
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS(M)5	17:02:54	6.4	Middle	2	1	28.07	8.33	26.39	74.2	5.12	5.6	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	2014-06-23	Mid-Flood	Cloudy	CS(MF)5	17:02:08	6.4	Middle	2	2	28.03	8.35	26.71	74.1	5.1	5.5	2.2
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS(MF)5	17:02:45	11.7	Bottom	3	1	28.02	8.25	29.03	70.5	4.7	5.6	3.1
HKLR	HY/2011/03	2014-06-23	Mid-Flood	Cloudy	CS(MF)5	17:01:59	11.7	Bottom	3	2	28.11	8.33	28.2	70.1	4.71	5.8	4
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS5	13:24:16	1.0	Surface	1	1	28.52	8.18	17.44	93	6.27	4.7	2.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS5	13:23:11	1.0	Surface	1	2	28.55	8.21	17.32	96.4	6.49	4.8	2.5
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS5	13:23:00	4.7	Middle	2	1	28.23	8.17	23.59	91.5	6.36	5	2.7
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS5	13:24:07	4.7	Middle	2	2	28.13	8.11	24	88.2	6.13	4.9	2.7
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS5	13:23:59	8.3	Bottom	3	1	28.1	8.03	26.72	88.9	5.71	5	2.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS5	13:22:48	8.3	Bottom	3	2	28.36	8.15	26.6	84.9	5.78	5.3	2.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS(MF)6	13:13:02	1.0	Surface	1	1	28.68	8.15	17.34	76.1	5.35	7	4.4
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS(MF)6	13:12:46	1.0	Surface	1	2	28.65	8.15	17.17	74.9	5.2	7	4.2
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS(MF)6	13:12:39	2.4	Bottom	3	1	28.67	8.15	19.44	73.9	5.2	7.3	5.9
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS(MF)6	13:12:50	2.4	Bottom	3	2	28.68	8.15	19.26	74.7	5.19	7.4	6
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS7	13:05:14	1.0	Surface	1	1	28.71	8.14	16.9	76.1	5.35	8	8.6
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS7	13:05:23	1.0	Surface	1	2	28.73	8.14	17	77.2	5.44	7.8	8.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS7	13:05:19	2.2	Bottom	3	1	28.7	8.15	16.93	76.5	5.38	8.1	9.5
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS7	13:05:10	2.2	Bottom	3	2	28.7	8.13	16.89	75.5	5.31	8	9.4
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS8	12:39:46	1.0	Surface	1	1	28.69	8.19	17.17	80.1	5.59	6.1	4.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS8	12:39:56	1.0	Surface	1	2	28.68	8.19	17.13	80.2	5.58	6	5.1
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS8	12:39:50	2.8	Bottom	3	1	28.7	8.19	18.98	78.9	5.55	6.3	6.7
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS8	12:39:35	2.8	Bottom	3	2	28.69	8.19	18.68	78.7	5.54	6.4	6.3
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS(MF)9	13:01:10	1.0	Surface	1	1	28.74	7.99	16.86	84	5.84	5.8	8.3
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS(MF)9	13:01:20	1.0	Surface	1	2	28.71	8.05	16.91	83.1	5.78	5.9	8.9
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS(MF)9	13:01:03	2.6	Bottom	3	1	28.73	7.92	17.78	80.1	5.59	5.9	9.7
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS(MF)9	13:01:16	2.6	Bottom	3	2	28.72	8.06	17.81	82	5.73	5.9	9.6
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS10	11:58:27	1.0	Surface	1	1	28.69	7.98	13.34	70.9	5.1	4.7	3.1
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS10	11:59:17	1.0	Surface	1	2	28.69	7.99	13.26	71.2	5.11	4.8	3
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS10	11:58:49	5.2	Middle	2	1	28.53	7.99	17.82	70.8	5.08	8.6	3
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS10	11:57:54	5.2	Middle	2	2	28.55	7.97	17.86	70.2	5.03	8.3	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS10	11:57:43	9.4	Bottom	3	1	28.54	7.98	22.21	69.1	4.78	8.6	4
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	IS10	11:58:38	9.4	Bottom	3	2	28.5	7.98	21.84	69.1	4.83	8.9	4
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR3	13:30:17	0.8	Middle	2	1	28.64	8.16	17.13	80.9	5.7	4.5	3.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR3	13:30:20	0.8	Middle	2	2	28.64	8.17	17.14	81.5	5.74	4.7	3.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR4	12:45:13	1.0	Surface	1	1	28.66	8.17	17.27	80.4	5.6	5.3	5.7
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR4	12:45:23	1.0	Surface	1	2	28.67	8.18	17.23	79.4	5.54	5.3	6
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR4	12:45:17	2.4	Bottom	3	1	28.68	8.18	18.66	78.7	5.53	5.5	6.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR4	12:45:08	2.4	Bottom	3	2	28.7	8.17	18.74	79	5.55	5.5	5.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR5	12:05:37	1.0	Surface	1	1	28.69	7.91	13.04	69.9	5.03	3.8	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR5	12:06:03	1.0	Surface	1	2	28.7	7.91	13.92	70.4	5.04	3.7	3.1
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR5	12:05:50	3.7	Bottom	3	1	28.71	7.86	16.05	70	4.95	3.8	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR5	12:05:28	3.7	Bottom	3	2	28.7	7.86	16.33	70.5	4.98	3.6	4.1
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10A	11:13:56	1.0	Surface	1	1	28.59	8.17	17.06	80.5	5.65	3.2	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10A	11:14:27	1.0	Surface	1	2	28.54	8.14	18.2	80.8	5.64	3.1	2.9
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10A	11:13:48	3.1	Middle	2	1	28.48	8.16	18.49	80.1	5.61	3.2	3
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10A	11:14:23	3.1	Middle	2	2	28.49	8.12	18.27	79.8	5.6	3.1	3.1
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10A	11:13:41	5.2	Bottom	3	1	28.45	8.15	19.46	79.2	5.54	3.2	4.4
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10A	11:14:16	5.2	Bottom	3	2	28.46	8.07	19.32	79.8	5.6	3.2	4.4
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10B	11:07:24	1.0	Surface	1	1	28.55	8.09	18.61	80.6	5.63	3.1	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10B	11:07:07	1.0	Surface	1	2	28.56	8.08	18.53	81.7	5.7	3.2	3
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10B	11:07:17	3.4	Bottom	3	1	28.55	8.09	18.74	80.3	5.61	3.1	3.1
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	SR10B	11:07:00	3.4	Bottom	3	2	28.6	8.08	18.69	81.1	5.67	3.2	2.8
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS2	13:22:19	1.0	Surface	1	1	28.74	8	12.55	73.4	5.29	4.8	2.7
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS2	13:21:36	1.0	Surface	1	2	28.74	8.01	12.62	71.3	5.14	5	2.7
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS2	13:22:00	4.0	Middle	2	1	28.56	7.96	15.98	70.2	5.05	7.5	2.9
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS2	13:21:25	4.0	Middle	2	2	28.67	7.95	16.64	70.8	5.1	7.6	3.5
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS2	13:21:13	7.0	Bottom	3	1	28.55	7.86	21.23	68.9	4.91	7.5	3.9
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS2	13:21:47	7.0	Bottom	3	2	28.58	7.89	21.39	68.6	4.9	7.5	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	2014-06-25	Mid-Ebb	Cloudy	CS(MF)5	12:01:50	1.0	Surface	1	1	28.69	8.22	15.81	83.3	5.85	5	3.3
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS(MF)5	12:00:37	1.0	Surface	1	2	28.63	8.22	16.91	87.1	5.96	4.9	2.9
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS(MF)5	12:01:30	6.6	Middle	2	1	28.28	8.25	21.62	77.1	5.19	5	3
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS(MF)5	12:00:18	6.6	Middle	2	2	28.28	8.24	21.97	83.4	5.72	5	2.6
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS(MF)5	12:01:02	12.2	Bottom	3	1	27.91	8.21	27.49	72.7	5	5	4.1
HKLR	HY/2011/03	2014-06-25	Mid-Ebb	Cloudy	CS(MF)5	11:59:54	12.2	Bottom	3	2	27.75	8.24	27.67	81.8	5.62	5	3.8
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS5	17:21:32	1.0	Surface	1	1	28.83	8.16	17.44	93.4	6.5	5.8	5.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS5	17:22:05	1.0	Surface	1	2	28.77	8.16	17.31	90.3	6.18	5.8	4.6
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS5	17:21:23	4.6	Middle	2	1	28.68	8.14	17.82	93.2	6.38	6	5.1
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS5	17:21:56	4.6	Middle	2	2	28.57	8.12	19.06	86.7	6.04	5.8	5.1
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS5	17:21:48	8.1	Bottom	3	1	28.58	8.1	22.05	83.1	5.76	6	5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)6	17:31:20	1.0	Surface	1	1	28.75	8.12	21.88	87.6	6.1	6.1	5.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)6	17:31:55	1.0	Surface	1	2	28.84	8.11	16.92	84	5.87	8.4	2.9
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)6	17:31:25	2.2	Bottom	3	1	28.94	8.17	17	86.8	6.08	8.6	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)6	17:31:12	2.2	Bottom	3	2	28.88	8.12	18.17	73.5	5.12	8.6	3.9
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)6	17:31:12	2.2	Bottom	3	2	28.69	8.07	19.28	72.3	5.02	8.5	4.1
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS7	17:37:55	1.0	Surface	1	1	28.9	8.13	17.09	78.4	5.45	8.8	6.4
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS7	17:37:38	1.0	Surface	1	2	28.91	8.13	17.08	77.8	5.45	8.8	6.5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS7	17:37:27	2.0	Bottom	3	1	28.87	8.1	18.37	77.6	5.4	9	6.8
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS7	17:37:44	2.0	Bottom	3	2	28.87	8.11	18.45	76.8	5.39	9	6.6
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS8	18:08:01	1.0	Surface	1	1	28.8	8.13	15.63	80.9	5.66	7.8	3.5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS8	18:08:23	1.0	Surface	1	2	28.82	8.13	15.92	80.6	5.7	7.8	3.7
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS8	18:07:53	2.3	Bottom	3	1	28.8	8.11	17.82	79.9	5.66	8.1	3.8
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS8	18:08:08	2.3	Bottom	3	2	28.79	8.12	17.4	80.2	5.62	8	3.8
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)9	17:51:31	1.0	Surface	1	1	28.79	8.19	16.99	86.2	6.06	6.8	3.4
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)9	17:51:55	1.0	Surface	1	2	28.78	8.18	17.22	87.4	6.13	6.7	3.4
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)9	17:51:17	2.6	Bottom	3	1	28.78	8.17	18.26	85.5	5.97	6.9	4.4
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS(MF)9	17:51:35	2.6	Bottom	3	2	28.79	8.18	18.15	86.9	6.06	6.9	3.6
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS10	18:50:54	1.0	Surface	1	1	28.72	8.01	10.85	71.5	5.2	7.6	2.9
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS10	18:50:15	1.0	Surface	1	2	28.71	8	10.76	71.5	5.18	7.4	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS10	18:50:03	5.3	Middle	2	1	28.59	7.92	16.24	71	5.17	7.6	2.7
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS10	18:50:41	5.3	Middle	2	2	28.58	7.93	16.14	70.9	5.01	7.9	3.1
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS10	18:50:29	9.6	Bottom	3	1	28.52	7.85	20.78	69.8	4.91	7.7	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	IS10	18:49:49	9.6	Bottom	3	2	28.59	7.84	21.64	70.6	4.93	7.8	3.5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR3	17:15:44	0.7	Middle	2	1	28.86	8.16	17.26	87.9	6.16	6.1	3.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR3	17:15:47	0.7	Middle	2	2	28.86	8.16	17.28	87.8	6.15	6	3.1
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR4	18:00:03	1.0	Surface	1	1	28.87	8.13	14.09	83.5	5.95	6.6	2.3
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR4	18:00:21	1.0	Surface	1	2	28.87	8.13	14.03	83.4	5.93	6.8	1.9
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR4	18:00:07	2.3	Bottom	3	1	28.87	8.12	16.68	83.2	5.86	6.8	3.6
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR4	17:59:51	2.3	Bottom	3	2	28.86	8.12	16.56	83.4	5.87	6.8	3.8
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR5	18:40:07	1.0	Surface	1	1	28.7	7.86	10.82	77.2	5.62	7.4	5.4
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR5	18:39:50	1.0	Surface	1	2	28.74	7.84	10.64	78	5.68	7.5	5.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR5	18:39:58	4.0	Bottom	3	1	28.66	7.78	14.59	77.8	5.55	7.5	5.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR5	18:39:38	4.0	Bottom	3	2	28.66	7.76	14.67	78	5.57	7.6	5.1
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10A	19:21:41	1.0	Surface	1	1	28.33	8.16	21.78	81.4	5.59	6.1	4
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10A	19:21:15	1.0	Surface	1	2	28.31	8.16	21.85	82.5	5.67	6.1	4
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10A	19:21:05	3.3	Middle	2	1	28.24	8.17	22.85	80.9	5.63	6.2	3.6
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10A	19:21:30	3.3	Middle	2	2	28.2	8.16	22.86	81.3	5.55	6.1	3.5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10A	19:20:56	5.5	Bottom	3	1	28.22	8.16	23.26	82.2	5.62	6.4	3.8
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10A	19:21:27	5.5	Bottom	3	2	28.23	8.16	23.71	80.9	5.54	6.4	4.3
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10B	19:28:09	1.0	Surface	1	1	28.37	8.15	21.43	81.1	5.58	5.6	1.7
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10B	19:27:45	1.0	Surface	1	2	28.35	8.14	21.79	80.9	5.56	5.4	2.2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10B	19:27:58	4.0	Bottom	3	1	28.28	8.15	22.76	81.9	5.54	5.9	2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	SR10B	19:27:32	4.0	Bottom	3	2	28.34	8.15	22.66	81	5.55	5.9	2
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS2	17:21:50	1.0	Surface	1	1	28.83	7.99	10.09	77.4	5.65	7.5	3.5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS2	17:22:22	1.0	Surface	1	2	28.83	7.99	10.11	76.7	5.6	7.6	3.5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS2	17:22:10	4.1	Middle	2	1	28.81	7.98	10.23	76.4	5.57	8.7	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	2014-06-25	Mid-Flood	Cloudy	CS2	17:21:37	4.1	Middle	2	2	28.8	7.98	10.29	77.2	5.63	8.5	4.9
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS2	17:21:22	7.1	Bottom	3	1	28.76	7.96	11.28	78.1	5.67	8.7	5.5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS2	17:22:00	7.1	Bottom	3	2	28.79	7.98	11.63	77	5.57	8.6	5
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS(MF)5	18:46:18	1.0	Surface	1	1	28.75	8.13	17.33	86.1	5.87	4.7	3.9
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS(MF)5	18:44:59	1.0	Surface	1	1	28.65	8.14	16.17	85.8	5.82	4.9	3.7
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS(MF)5	18:44:47	6.3	Middle	2	1	28.18	8.14	22.76	85.1	5.79	5	4.6
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS(MF)5	18:45:59	6.3	Middle	2	2	28.34	8.13	22.86	84.3	5.71	4.9	4.8
HKLR	HY/2011/03	2014-06-25	Mid-Flood	Cloudy	CS(MF)5	18:44:38	11.6	Bottom	3	1	27.96	8.13	26.8	77.5	5.44	5.2	5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Cloudy	CS(MF)5	18:45:38	11.6	Bottom	3	2	28.07	8.14	26	80.3	5.6	5.1	4.6
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS5	13:11:24	1.0	Surface	1	1	29.73	8.03	12.66	83	5.78	3.5	5.1
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS5	13:10:38	1.0	Surface	1	2	29.72	8.02	12.72	83.5	5.82	3.4	4.4
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS5	13:10:19	5.0	Middle	2	1	29.04	7.99	16.53	74.5	5.24	5.4	5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS5	13:11:07	5.0	Middle	2	2	29.09	7.99	16.14	76.2	5.2	5	5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS5	13:10:51	8.9	Bottom	3	1	28.87	7.93	19.49	72.6	5.11	7.2	3.6
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS5	13:10:04	8.9	Bottom	3	2	28.82	7.96	17.66	74.8	5.16	7.3	4
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS(MF)6	13:17:59	1.0	Surface	1	1	29.53	8	13.12	72.3	5.13	3.1	1.1
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS(MF)6	13:18:19	1.0	Surface	1	2	29.44	8	13.55	72.1	5.11	3.3	<0.5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS(MF)6	13:18:08	3.8	Bottom	3	1	29.3	7.97	15.53	72.6	5.1	3.3	0.8
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS(MF)6	13:17:49	3.8	Bottom	3	2	29.17	7.97	15.63	71.5	5.03	3.6	1
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS7	14:35:01	1.0	Surface	1	1	30.16	8.03	13.25	77.9	5.41	3.7	3.7
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS7	14:35:51	1.0	Surface	1	2	30.22	8.04	13.21	78.3	5.44	3.7	3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS7	14:35:33	3.8	Bottom	3	1	28.96	8.02	16.28	75	5.26	5.6	0.8
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS7	14:34:46	3.8	Bottom	3	2	29	8.02	16.03	74.3	5.21	5.7	2.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS8	14:35:19	1.0	Surface	1	1	28.51	7.93	23.16	73.4	5.14	7	4.4
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS8	14:34:35	1.0	Surface	1	2	28.55	7.95	21.11	74.5	5.15	7.2	5.1
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS8	19:55:04	1.0	Bottom	3	1	30.18	8.04	11.15	78.9	5.59	6.1	5.2
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS8	19:54:25	1.0	Bottom	3	2	30.18	8.03	11.19	79.3	5.62	6.1	3.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS(MF)9	19:54:07	1.0	Surface	1	1	29.79	8	14	7	5.37	7	11.5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS(MF)9	19:54:46	1.0	Surface	1	2	29.79	8	14.08	75.7	5.32	6.8	11.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS(MF)9	19:54:37	8.8	Bottom	3	1	29.55	7.97	14.83	76.1	5.34	7	15
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS(MF)9	19:53:59	8.8	Bottom	3	2	29.59	7.97	14.6	77.1	5.42	7.5	14.4
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS10	19:46:10	1.0	Surface	1	1	30.17	8.02	11.24	80.4	5.7	6.6	3.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS10	19:46:30	1.0	Surface	1	2	30.18	8.02	11.2	80.3	5.69	6.5	3.2
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS10	19:46:19	1.0	Middle	2	1	30.14	8	11.78	80.2	5.67	6.8	1.9
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS10	19:45:59	1.0	Middle	2	2	30.11	8	11.97	80.3	5.67	7.1	3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS10	18:30:10	1.0	Bottom	3	1	30.22	8.17	10.24	80.9	5.76	6.7	3.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	IS10	18:31:01	1.0	Bottom	3	2	30.21	8.08	10.24	79.5	5.66	6.3	2.6
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR3	18:29:54	3.9	Middle	2	1	30.06	8.22	11.22	80.3	5.7	7.1	4.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR3	18:30:46	3.9	Middle	2	2	30.08	8.09	11.03	78.4	5.57	7	3.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR4	18:29:40	1.0	Surface	1	1	29.95	8.28	12.19	82.2	5.82	8.5	4.2
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR4	18:30:33	1.0	Surface	1	2	30	8.09	11.77	78.4	5.56	8.8	4.7
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR4	14:03:10	1.0	Bottom	3	1	29.78	8.12	17.73	75.2	5.19	7.6	4.4
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR4	14:03:52	1.0	Bottom	3	2	29.9	8.16	17.53	75.5	5.21	7.3	4.6
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR5	14:03:29	1.0	Surface	1	1	28.52	8.09	22.82	77.7	4.96	11.6	2.5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR5	14:02:42	1.0	Surface	1	2	28.57	8.03	23.01	72.8	4.97	11.7	3.1
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR5	14:02:18	8.4	Bottom	3	1	28.28	7.94	26.63	71.1	4.79	11.9	3.6
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR5	14:03:19	8.4	Bottom	3	2	28.31	8.07	25.99	70.8	4.76	11.7	3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10A	13:49:24	1.0	Surface	1	1	30.25	8.2	16.7	85.9	5.88	9.6	3.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10A	13:49:57	1.0	Surface	1	2	30.75	8.23	15.99	87.3	5.95	9.4	2.5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10A	13:49:29	1.0	Middle	2	1	30.06	8.15	17.12	83.5	5.78	10.6	3.8
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10A	13:42:32	1.0	Bottom	3	2	29.79	8.17	17.77	84.4	5.76	10.8	3.2
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10A	13:42:08	1.0	Bottom	3	1	29.62	8.08	16.1	83.7	5.79	7.3	2.5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10B	13:42:18	1.0	Surface	1	1	29.58	8.07	17.15	82.1	5.67	9.7	2.9
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10B	13:41:43	1.0	Surface	1	2	30.09	7.92	17.39	82	5.66	9.9	2.6
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10B	13:06:49	1.0	Bottom	3	1	30.09	8.14	16.31	89.3	6.14	4.3	3.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	SR10B	13:08:32	1.0	Bottom	3	2	30.04	8.18	16.3	87.9	6.05	4.1	2.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS2	13:08:02	1.0	Surface	1	1	30.08	8.05	17.7	88.7	6.06	4.5	1.2
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS2	13:06:37	1.0	Surface	1	2	29.98	8.15	16.5	89.6	6.17	4.5	2.5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS2	13:35:46	1.8	Middle	2	1	29.93	8.15	16.34	85.3	5.88	9.2	3.4
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS2	13:35:22	1.8	Middle	2	2	29.98	8.13	16.22	85.5	5.9	9.1	4.3
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS2	13:35:33	2.5	Bottom	3	1	29.83	8.13	16.74	84.7	5.84	10.1	3.1
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS2	13:34:52	2.5	Bottom	3	2	29.72	8.05	17.05	83.5	5.76	9.9	4.4
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS(MF)5	14:12:20	1.0	Surface	1	1	29.95	8.11	17.53	80	5.48	5.7	6.4
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS(MF)5	14:12:11	1.0	Surface	1	2	29.96	8.03	17.53	79.9	5.48	6	6.5
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS(MF)5	13:20:02	1.8	Middle	2	1	29.97	8.21	16.12	87.7	6.05	4.3	7.2
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS(MF)5	13:19:35	1.8	Middle	2	2	29.98	8.2	16.18	87.3	6.02	4.5	7.8
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS(MF)5	13:19:21	2.6	Bottom	3	1	29.95	8.14	16.72	86.8	5.97	4.9	7.7
HKLR	HY/2011/03	2014-06-27	Mid-Ebb	Sunny	CS(MF)5	13:19:48	2.6	Bottom	3	2	29.95	8.19	16.66	86.8	5.97	4.9	7.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS5	11:48:44	1.0	Surface	1	1	29.25	8.12	18.31	78	5.38	3.2	3.2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS5	11:47:47	1.0	Surface	1	2	29.33	8.1	17.74	78.7	5.44	3.3	1.5
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS5	11:47:36	3.3	Middle	2	1	29.13	8.1	18.92	77	5.31	3.2	2.1
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS5	11:48:28	3.3	Middle	2	2	29.1	8.1	19.22	76.7	5.28	3.3	1.8
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS5	11:47:18	5.6	Bottom	3	1	28.99	8.07	19.73	77.1	5.31	3.5	1.3
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS5	11:48:08	5.6	Bottom	3	2	29.05	8.11	19.45	76.9	5.29	3.3	1.4
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS(M)6	11:34:12	1.0	Surface	1	1	29.33	8.09	18.36	80.1	5.52	2.9	2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS(M)6	11:33:42	1.0	Surface	1	2	29.32	8.08	18.36	79.9	5.5	3	<0.5
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS(M)6	11:33:20	4.5	Bottom	3	1	29.17	8.04	19	79.2	5.45	3.2	1.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS(M)6	11:34:03	4.5	Bottom	3	2	29.28	8.08	18.58	80	5.51	3.1	0.9
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS7	12:29:32	1.0	Surface	1	1	29.33	8.06	15.29	73.4	5.14	6.4	1.2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS7	12:30:03	1.0	Surface	1	2	29.32	8.08	15.33	73.2	5.12	6.3	2.4
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS7	12:29:56	6.8	Bottom	3	1	29.24	8.07	16.24	71.6	5	6.6	1.1
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS7	12:29:23	6.8	Bottom	3	2	29.21	8.05	17.21	71.5	4.97	6.6	1.8
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS8	12:28:58	1.0	Surface	1	1	29.12	8	21.88	71.1	4.82	6.9	14
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS8	12:29:41	1.0	Surface	1	2	28.99	8.04	20.51	71.9	4.92	6.7	13.6
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS8	18:43:43	1.1	Bottom	3	1	30.37	8.21	17.47	86.1	5.86	8.3	14.6
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS8	18:44:29	1.1	Bottom	3	2	30.38	8.24	17.33	87.1	5.93	8	14.6
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS(M)9	18:43:28	1.0	Surface	1	1	29.75	8.12	18.64	74.3	5.07	8.9	4.5
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS(M)9	18:44:15	1.0	Surface	1	2	29.96	8.17	18.07	74.8	5.11	8.8	6
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS(M)9	18:43:00	8.3	Bottom	3	1	28.81	7.95	22.7	72.6	4.93	9.2	3.6
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS(M)9	18:44:00	8.3	Bottom	3	2	29.17	8.1	21.39	72.3	4.91	9.3	4.9
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS10	18:57:24	1.0	Surface	1	1	30.32	8.25	16.83	87.5	5.98	18.4	3.6
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS10	18:54:04	1.0	Surface	1	2	30.55	8.21	16.57	88.1	6.01	18.7	2.2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS10	18:57:01	1.0	Middle	2	1	29.66	8.11	18.09	75.1	5.16	19.7	3.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS10	18:53:50	1.0	Middle	2	2	29.7	8.01	17.83	74.8	5.14	19.9	5.1
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	IS10	19:07:43	1.0	Bottom	3	1	30.55	8.3	16.54	93	6.34	18.2	3.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR3	19:07:01	2.5	Middle	2	1	30.58	8.3	16.48	92.5	6.3	18.4	4.3
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR3	19:07:29	2.5	Middle	2	2	30.07	8.2	17.18	85.6	5.87	18.9	4.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR4	19:42:29	1.0	Surface	1	1	29.98	8.2	17.37	86.6	5.94	18.4	3.2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR4	19:41:42	1.0	Surface	1	2	30.33	8.28	16.45	91.8	6.29	19.3	8.9
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR4	19:41:21	2.5	Bottom	3	1	30.36	8.12	17.7	85.2	6.29	19.2	11.9
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR4	19:42:09	2.5	Bottom	3	2	29.86	8.12	17.7	85.2	5.84	20.2	15.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR5	19:15:07	1.0	Surface	1	1	30.02	8.19	17.35	86.2	5.91	20	14.5
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR5	19:15:37	1.0	Surface	1	2	30.35	8.18	16.61	90.3	6.18	8.5	2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR5	19:15:37	1.0	Surface	1	2	30.34	8.21	16.6	90.4	6.18	8.7	4
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR5	19:14:52	2.5	Bottom	3	1	30.23	8.11	16.97	89.1	6.1	9.7	4.3
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR5	19:15:20	2.5	Bottom	3	2	30.24	8.15	17.02	88.6	6.06	9.6	3
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10A	18:32:31	1.0	Surface	1	1	30.51	8.13	17.18	97.5	6.63	6.4	2.9
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10A	18:32:23	1.0	Surface	1	2	30.51	8.08	17.19	97.8	6.66	6.2	1.9
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10A	19:26:11	1.8	Middle	2	1	30.28	8.22	16.61	90	6.16	19.3	3
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10A	19:26:45	1.8	Middle	2	2	30.29	8.25	16.54	90.3	6.19	19.5	3
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10A	19:25:57	2.6	Bottom	3	1	29.96	8.13	17.25	83.5	5.73	20.8	2.1
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10A	19:26:27	2.6	Bottom	3	2	29.9	8.16	17.52	83.7	5.74	20.5	2.4
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10B	20:50:07	1.0	Surface	1	1	29.6	8.17	16.58	76	5.27	3.9	1.3

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	2014-06-27	Mid-Flood	Sunny	SR10B	20:50:49	1.0	Surface	1	2	29.59	8.21	16.51	76	5.27	3.9	3.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10B	20:49:58	3.3	Bottom	3	1	29.48	8.16	17.04	73.3	5.07	4.1	2.4
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	SR10B	20:50:38	3.3	Bottom	3	2	29.49	8.19	16.97	73.5	5.09	4.2	2.2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS2	20:49:31	1.0	Surface	1	1	28.81	7.98	20.67	72.2	4.95	5.2	4.5
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS2	20:50:24	1.0	Surface	1	2	29.1	8.17	19.24	71.6	4.93	4.9	4.3
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS2	21:02:44	2.8	Middle	2	1	29.61	8.22	16.58	77	5.33	3.7	3.2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS2	21:03:09	2.8	Middle	2	2	29.6	8.22	16.64	76.6	5.31	3.9	3.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS2	21:02:57	4.5	Bottom	3	1	29.45	8.2	17.24	76	5.26	4.1	4
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS2	21:02:28	4.5	Bottom	3	2	29.44	8.18	17.28	76.1	5.26	3.9	2.8
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS(M)F5	20:15:43	1.0	Surface	1	1	29.73	8.14	15.24	76	5.3	4.6	4.7
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS(M)F5	20:16:32	1.0	Surface	1	2	29.73	8.18	15.21	75.6	5.26	4.6	4.2
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS(M)F5	20:15:26	6.8	Middle	2	1	29.65	8.14	15.44	72.9	5.07	4.6	2.6
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS(M)F5	20:16:19	6.8	Middle	2	2	29.63	8.16	15.56	72.5	5.05	4.7	4.1
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS(M)F5	20:15:56	12.6	Bottom	3	1	29.15	8.13	18.38	71.1	4.91	5.4	2.4
HKLR	HY/2011/03	2014-06-27	Mid-Flood	Sunny	CS(M)F5	20:14:38	12.6	Bottom	3	2	28.91	7.96	19.74	71.6	4.93	5.7	0.9
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	ISS	13:33:39	1.0	Surface	1	1	29.45	7.97	20.98	77.2	5.25	7.4	4.4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	ISS	13:32:56	1.0	Surface	1	2	29.42	7.96	21.06	75.5	5.14	7.4	5.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	ISS	13:32:44	4.3	Middle	2	1	29.07	7.91	21.88	74.9	5.07	7.4	5.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	ISS	13:33:23	4.3	Middle	2	2	29	7.9	22.43	75	5.11	7.5	4.9
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	ISS	13:33:06	7.6	Bottom	3	1	29.03	7.9	24.11	74	4.98	7.6	4.5
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	ISS	13:32:34	7.6	Bottom	3	2	29.04	7.9	23.93	74.3	5	7.4	5.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS(M)F6	13:41:02	1.0	Surface	1	1	30	8.17	18.41	104.8	7.16	4.8	3.4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS(M)F6	13:40:18	1.0	Surface	1	2	29.99	8.16	18.48	104.8	7.16	4.7	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS(M)F6	13:40:53	2.2	Bottom	3	1	29.72	8.06	19.8	98.2	6.69	5.2	4.1
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS7	13:40:09	2.2	Bottom	3	2	29.7	8.04	19.88	98	6.67	5	4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS7	13:46:55	1.0	Surface	1	1	29.92	8.19	18.3	115.3	7.89	3.6	4.4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS7	13:47:11	1.0	Surface	1	2	29.85	8.15	18.25	107.2	7.35	3.5	3.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS7	13:46:42	2.4	Bottom	3	1	29.74	8.08	19.06	110.9	7.58	3.5	5
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS7	13:47:03	2.4	Bottom	3	2	29.71	8.05	19.1	106.1	7.25	3.5	5.2
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS8	14:18:42	1.0	Surface	1	1	29.56	8.03	19.13	83.5	5.72	5.7	3.7
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS8	14:19:10	1.0	Surface	1	2	29.58	8.1	19.13	85	5.82	5.8	3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS8	14:18:32	3.3	Bottom	3	1	29.25	7.87	22.24	79.4	5.38	5.7	3.6
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS8	14:18:58	3.3	Bottom	3	2	29.15	7.94	21.98	79.5	5.4	5.6	2.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS(M)F9	14:00:01	1.0	Surface	1	1	29.75	8.13	18.8	91	6.23	9.5	4.5
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS(M)F9	13:59:38	1.0	Surface	1	2	29.75	8.14	18.82	91.1	6.24	9.9	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS(M)F9	13:59:51	3.3	Bottom	3	1	29.54	8.05	19.77	87	5.95	9.5	4.1
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS(M)F9	13:59:27	3.3	Bottom	3	2	29.53	8.05	20.3	90.4	6.16	9.5	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS10	14:41:38	1.0	Surface	1	1	29.4	8.11	18.53	85	5.86	3.5	4.9
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS10	14:42:31	1.0	Surface	1	2	29.4	8.1	18.54	82.8	5.71	3.8	3.2
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS10	14:42:12	5.2	Middle	2	1	28.89	8.06	19.95	75.8	5.28	7.2	3.6
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS10	14:41:19	5.2	Middle	2	2	28.86	8.06	20.46	75.5	5.26	7	5.4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	IS10	14:41:05	9.3	Bottom	3	1	28.7	8.05	21.79	72.7	4.98	7.1	3.2
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR3	13:21:33	0.6	Middle	2	1	29.45	8.07	20.99	85	5.78	5.8	3.7
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR3	13:21:41	0.6	Middle	2	2	29.46	8.06	20.99	85	5.78	5.8	4.1
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR4	14:11:19	1.0	Surface	1	1	30.02	7.9	17.34	84.6	5.81	5.5	4.2
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR4	14:11:46	1.0	Surface	1	2	30.02	7.92	17.33	86.8	5.96	5.4	2.6
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR4	14:11:11	3.1	Bottom	3	1	29.71	7.84	19.7	85.2	5.81	5.4	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR4	14:11:35	3.1	Bottom	3	2	29.65	7.84	19.82	86.7	5.91	5.6	3.7
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR5	14:30:30	1.0	Surface	1	1	29.37	8.11	18.57	87.8	6.05	2.9	2
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR5	14:30:05	1.0	Surface	1	2	29.37	8.11	18.59	87.1	6.02	3	3.4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR5	14:29:52	4.2	Bottom	3	1	29.11	8.1	19.25	85.1	5.89	3.3	4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR5	14:30:18	4.2	Bottom	3	2	29.18	8.1	19.13	87.2	6.02	3.2	4.4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10A	15:32:45	1.0	Surface	1	1	29.27	8.17	20.98	86.7	5.91	2.4	2.8
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10A	15:33:20	1.0	Surface	1	2	29.29	8.17	20.94	88.1	6.01	2.4	3.4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10A	15:33:06	3.3	Middle	2	1	29.27	8.17	20.97	87	5.93	2.5	3.4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10A	15:32:36	3.3	Middle	2	2	29.21	8.16	21.08	85	5.8	2.5	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	2014-06-30	Mid-Ebb	Sunny	SR10A	15:32:27	5.6	Bottom	3	1	29.15	8.15	21.37	85.9	5.86	2.5	4.9
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10A	15:32:56	5.6	Bottom	3	2	29.25	8.16	21.11	86.9	5.92	2.4	3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10B	15:42:04	1.0	Surface	1	1	29.31	8.17	20.91	88.7	6.05	2.5	4.1
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10B	15:42:21	1.0	Surface	1	2	29.29	8.16	20.95	87.6	5.97	2.4	4
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10B	15:41:52	4.1	Bottom	3	1	29.31	8.17	20.94	88.6	6.04	2.5	2.8
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	SR10B	15:42:12	4.1	Bottom	3	2	29.26	8.16	21.06	88.1	6.01	2.5	2.9
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS2	13:20:46	1.0	Surface	1	1	29.26	8.17	18.23	79.8	5.56	5.7	3.8
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS2	13:21:51	1.0	Surface	1	2	29.28	8.15	18.18	80	5.58	5.6	3.8
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS2	13:21:34	3.8	Middle	2	1	28.55	8.08	22.57	78.9	5.46	6.8	2.8
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS2	13:20:33	3.8	Middle	2	2	28.52	8.11	22.9	76.2	5.28	6.7	2.9
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS2	13:19:59	6.6	Bottom	3	1	28.46	8.12	22.5	68.3	4.8	6.3	3.5
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS2	13:21:05	6.6	Bottom	3	2	28.45	8.05	21.4	69.3	4.87	6.2	3.5
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS(MF)5	15:00:55	1.0	Surface	1	1	29.08	8.08	20.62	74.1	5.1	8.2	4.6
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS(MF)5	15:01:39	1.0	Surface	1	2	28.99	8.08	20.64	73.2	5.06	8.1	4.1
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS(MF)5	15:00:43	6.2	Middle	2	1	28.23	8.05	22.93	73.2	5.05	8.6	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS(MF)5	15:01:28	6.2	Middle	2	2	28.4	8.05	23.36	72.7	5.02	8.8	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS(MF)5	15:01:16	11.3	Bottom	3	1	27.74	8	27.09	71	4.84	8.8	5
HKLR	HY/2011/03	2014-06-30	Mid-Ebb	Sunny	CS(MF)5	15:00:33	11.3	Bottom	3	2	27.72	8.02	27.3	71.4	4.89	8.9	4.9
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS5	08:43:02	1.0	Surface	1	1	29.41	8.03	19.04	77.3	5.32	5.3	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS5	08:43:44	1.0	Surface	1	2	29.41	8.04	19.1	77.6	5.33	5.3	4.7
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS5	08:43:22	4.4	Middle	2	1	28.97	7.96	21.39	73.7	5.03	5.5	4
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS5	08:42:39	4.4	Middle	2	2	28.89	7.95	21.79	74.5	5.06	5.5	4.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS5	08:43:11	7.8	Bottom	3	1	28.97	7.94	23.68	73.4	4.97	5.5	3.8
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS5	08:42:30	7.8	Bottom	3	2	29.03	7.96	23.66	73.8	4.98	5.5	3.9
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS(MF)6	08:35:44	1.0	Surface	1	1	29.52	8.1	17.94	92.3	6.37	4.1	4.9
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS(MF)6	08:35:28	1.0	Surface	1	2	29.53	8.11	17.89	92.6	6.39	3.8	4.7
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS(MF)6	08:35:35	2.2	Bottom	3	1	29.5	8.09	18.31	92.6	6.39	4.1	3.9
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS(MF)6	08:35:17	2.2	Bottom	3	2	29.51	8.09	18.32	91.1	6.28	4	3.3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS7	08:28:54	1.0	Surface	1	1	29.54	8.12	17.66	95.7	6.62	4.1	3.3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS7	08:29:08	1.0	Surface	1	2	29.56	8.11	17.71	92.7	6.4	4.1	2.1
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS7	08:28:45	2.2	Bottom	3	1	29.57	8.11	17.78	95.8	6.62	4.2	3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS7	08:29:01	2.2	Bottom	3	2	29.56	8.1	18.48	94.2	6.48	4.2	3.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS8	08:06:40	1.0	Surface	1	1	29.17	7.96	19.01	72.5	5.01	4.7	3.5
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS8	08:06:56	1.0	Surface	1	2	29.16	7.95	19	73.3	5.05	4.6	4.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS8	08:06:47	3.2	Bottom	3	1	29.14	7.95	19.39	71.1	4.9	4.8	3.8
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS8	08:06:12	3.2	Bottom	3	2	29.14	7.93	19.67	72.1	4.96	4.7	4
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS(MF)9	08:23:23	1.0	Surface	1	1	29.31	7.99	18.24	78.4	5.42	4.1	2.5
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS(MF)9	08:23:40	1.0	Surface	1	2	29.32	7.99	18.22	78.5	5.43	4.1	3.8
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS(MF)9	08:23:15	2.6	Bottom	3	1	29.31	7.99	18.4	78.4	5.42	4.2	4.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS(MF)9	08:23:31	2.6	Bottom	3	2	29.32	7.99	18.5	78.5	5.42	4.2	4.6
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS10	08:15:36	1.0	Surface	1	1	29.18	8.09	19.26	85.2	5.87	5.6	3.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS10	08:16:38	1.0	Surface	1	2	29.12	8.1	19.39	81.4	5.6	6.3	3.7
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS10	08:16:19	5.3	Middle	2	1	28.22	8.06	23.81	74.1	5.2	7.7	4.5
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS10	08:15:12	5.3	Middle	2	2	28.3	8.06	23.4	73.6	5.02	7.6	4.7
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS10	08:16:05	9.5	Bottom	3	1	28.16	8.05	24.15	72.5	4.94	10.2	3.3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	IS10	08:15:00	9.5	Bottom	3	2	28.15	8.05	24.23	71.9	4.92	9.8	4.6
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR3	08:48:52	0.7	Middle	2	1	29.36	7.99	19.53	79.8	5.48	5.1	5.1
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR3	08:48:43	0.7	Middle	2	2	29.38	8	19.38	80.5	5.53	5.2	4
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR4	08:13:05	1.0	Surface	1	1	29.28	7.94	19.44	72.9	5.02	5.7	3.6
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR4	08:13:16	1.0	Surface	1	2	29.29	7.94	19.49	72.9	5.01	5.7	3.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR4	08:12:58	2.8	Bottom	3	1	29.26	7.94	19.63	71.5	4.91	5.7	4.9
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR4	08:13:10	2.8	Bottom	3	2	29.29	7.94	19.5	70.8	4.87	5.8	4.9
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR5	08:24:32	1.0	Surface	1	1	29.01	8.08	19.83	82.8	5.69	4.5	4.8
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR5	08:24:58	1.0	Surface	1	2	29.05	8.08	19.65	84.4	5.82	4.5	5.1
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR5	08:24:43	4.1	Bottom	3	1	28.88	8.07	20.52	82.2	5.66	5.4	4.7
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR5	08:24:18	4.1	Bottom	3	2	28.57	8.06	22.07	78.2	5.36	5.5	3.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10A	07:06:40	1.0	Surface	1	1	28.79	7.98	19.72	73.5	5.08	2.7	3.5

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	2014-06-30	Mid-Flood	Sunny	SR10A	07:05:57	1.0	Surface	1	2	28.82	7.98	19.73	72.6	5.02	2.7	3.5
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10A	07:05:42	3.4	Middle	2	1	28.82	7.97	20.41	72.3	5.01	2.7	3.6
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10A	07:06:22	3.4	Middle	2	2	28.81	7.97	20.28	72.6	5.03	2.8	3.5
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10A	07:05:29	5.8	Bottom	3	1	28.68	7.95	22.31	70.2	4.79	2.6	5.1
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10A	07:06:12	5.8	Bottom	3	2	28.75	7.96	21.88	69.2	4.73	2.7	5.7
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10B	06:59:28	1.0	Surface	1	1	27.81	7.97	25.44	73.3	5.05	4.7	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10B	06:59:05	1.0	Surface	1	2	27.73	7.96	25.5	73	5.03	4.8	3.5
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10B	06:58:13	4.0	Bottom	3	1	27.54	7.95	28.18	70.6	4.99	4.6	4.3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	SR10B	06:58:55	4.0	Bottom	3	2	27.5	7.94	27.89	72.1	4.89	4.6	4.8
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS2	09:39:42	1.0	Surface	1	1	29.1	8.03	17.86	78.1	5.44	4.2	3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS2	09:38:40	1.0	Surface	1	2	29.1	8.05	17.86	75.4	5.24	4.9	3.1
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS2	09:39:26	3.8	Middle	2	1	29.03	8.03	19.64	74.4	5.12	5.5	3
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS2	09:38:28	3.8	Middle	2	2	28.94	8.04	20.04	74.5	5.13	5.6	3.5
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS2	09:38:09	6.6	Bottom	3	1	28.57	8.01	22.78	70.2	4.84	7.3	4
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS2	09:39:08	6.6	Bottom	3	2	28.77	8	22.09	72	4.92	7.7	4.7
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS(MF)S	07:35:14	1.0	Surface	1	1	29.04	7.98	19.09	72.4	5.01	2.9	4.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS(MF)S	07:36:26	1.0	Surface	1	2	29.03	7.98	19.08	72.7	5.03	2.8	3.1
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS(MF)S	07:34:39	6.3	Middle	2	1	27.64	7.99	26.91	72.4	5.01	5.5	3.7
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS(MF)S	07:35:48	6.3	Middle	2	2	27.62	7.99	26.94	72.2	5.01	5.3	3.2
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS(MF)S	07:34:23	11.6	Bottom	3	1	27.26	7.98	28.91	71.8	4.98	5.4	3.9
HKLR	HY/2011/03	2014-06-30	Mid-Flood	Sunny	CS(MF)S	07:35:33	11.6	Bottom	3	2	27.23	7.99	28.97	70.5	4.89	5.4	4
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS5	14:34:21	1.0	Surface	1	1	29.79	8.13	19.04	85.2	5.82	10.3	9.4
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS5	14:35:07	1.0	Surface	1	2	29.85	8.13	18.84	83.4	5.7	10.4	8.6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS5	14:34:09	4.3	Middle	2	1	29.68	8.11	19.49	82.4	5.63	10.6	8.4
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS5	14:34:53	4.3	Middle	2	2	29.46	8.08	20.11	76.6	5.23	10.3	10.8
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS5	14:34:41	7.5	Bottom	3	1	29.34	8.07	20.7	80.3	5.47	11.2	10.1
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS5	14:33:49	7.5	Bottom	3	2	29.37	8.06	20.75	82.6	5.63	11.5	9
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS(MF)6	14:42:03	1.0	Surface	1	1	29.9	8.3	18.88	100.2	6.84	7.5	7
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS(MF)6	14:42:43	1.0	Surface	1	2	30.13	8.34	18.58	105.4	7.18	7.7	4.9
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS(MF)6	14:42:28	2.2	Bottom	3	1	29.43	8.14	19.79	91.1	6.24	7.6	5.7
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS(MF)6	14:41:53	2.2	Bottom	3	2	29.55	8.2	19.46	101.2	6.93	7.7	6.1
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS7	14:49:59	1.0	Surface	1	1	30.59	8.37	17.31	123.5	8.41	7.8	5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS7	14:50:20	1.0	Surface	1	2	30.64	8.37	17.28	125.1	8.51	7.7	5.3
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS7	14:49:46	2.2	Bottom	3	1	30.17	8.33	17.53	119.4	8.17	7.6	6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS7	14:50:06	2.2	Bottom	3	2	30.53	8.36	17.35	124.1	8.45	7.6	6.8
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS8	15:13:58	1.0	Surface	1	1	29.85	8.33	18	111.7	7.67	7.3	7.8
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS8	15:13:42	1.0	Surface	1	2	30.08	8.35	17.86	107.3	7.34	7.3	6.4
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS8	15:13:31	3.0	Bottom	3	1	29.53	8.23	19.49	112	7.67	7.4	8.3
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS8	15:13:50	3.0	Bottom	3	2	30.22	8.33	19.56	117.2	7.93	7.5	6.5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS(MF)9	14:57:42	1.0	Surface	1	1	30.29	8.31	17.66	113.6	7.75	6.6	6.9
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS(MF)9	14:58:03	1.0	Surface	1	2	30.22	8.27	18.1	111.1	7.58	6.7	6.7
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS(MF)9	14:57:56	2.5	Bottom	3	1	30.07	8.24	18.46	108.1	7.37	6.7	6.7
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS(MF)9	14:57:31	2.5	Bottom	3	2	29.98	8.24	18.72	112.6	7.69	6.5	5.9
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS10	15:39:40	1.0	Surface	1	1	29.61	8.1	15.11	77.4	5.42	4.5	2.6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS10	15:41:01	1.0	Surface	1	2	29.46	8.05	16.94	72.2	5.02	4.7	1.7
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS10	15:40:23	5.5	Middle	2	1	28.76	8.05	20.02	72.4	5.03	5.2	3.9
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS10	15:39:07	5.5	Middle	2	2	28.61	8.09	20.44	76.3	5.33	5.6	5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS10	15:38:48	10.0	Bottom	3	1	28.34	8.06	23.32	79.5	5.75	5.1	15.5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	IS10	15:40:04	10.0	Bottom	3	2	28.56	8	23.05	72.4	5.03	5	11.4
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR3	14:27:19	0.6	Middle	2	1	30.08	8.14	18.57	93.3	6.36	8.3	12.6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR3	14:27:23	0.6	Middle	2	2	30.1	8.14	18.55	93.4	6.36	8.2	12.1
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR4	15:07:16	1.0	Surface	1	1	29.38	8.21	18.5	98.8	7.2	5.5	7.2
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR4	15:07:37	1.0	Surface	1	2	29.35	8.21	18.55	99.3	6.85	5.6	5.5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR4	15:07:10	2.5	Bottom	3	1	29.33	8.2	18.67	98.8	6.81	5.5	5.5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR4	15:07:32	2.5	Bottom	3	2	29.34	8.22	18.62	99	6.83	5.4	5.3
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR5	15:23:50	1.0	Surface	1	1	29.63	8.08	16.54	75.1	5.21	4.6	6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR5	15:23:12	1.0	Surface	1	2	29.64	8.09	16.51	76.2	5.29	4.6	4.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR5	15:23:35	4.0	Bottom	3	1	29.41	8.09	18.5	75.1	5.18	4.7	5.8
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR5	15:22:38	4.0	Bottom	3	2	29.39	8.09	18.51	74	5.11	4.5	6.7
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10A	16:15:58	1.0	Surface	1	1	29.92	8.18	18.15	92.1	6.31	3.2	5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10A	16:15:23	1.0	Surface	1	2	29.78	8.16	18.4	90.4	6.18	3	3.6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10A	16:15:45	3.3	Middle	2	1	29.7	8.16	18.73	90.1	6.18	3	3.6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10A	16:15:16	3.3	Middle	2	2	29.7	8.16	18.73	90	6.17	2.9	5.8
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10A	16:15:00	5.5	Bottom	3	1	29.7	8.15	18.84	90.4	6.19	3.1	3
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10A	16:15:35	5.5	Bottom	3	2	29.74	8.16	18.75	90.8	6.22	3.2	3.2
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10B	16:37:17	1.0	Surface	1	1	29.56	8.17	19.82	88.8	6.07	4	3.9
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10B	16:36:56	1.0	Surface	1	2	29.59	8.17	19.72	89	6.08	4	4.5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10B	16:37:06	4.0	Bottom	3	1	29.56	8.17	19.8	88.8	6.07	4.6	4.6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	SR10B	16:36:45	4.0	Bottom	3	2	29.57	8.17	19.8	88.9	6.07	4.5	5.4
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS2	14:16:41	1.0	Surface	1	1	30.14	8.26	13.75	79	5.53	5.6	2.9
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS2	14:17:22	1.0	Surface	1	2	29.98	8.19	14.06	76.4	5.35	5.5	3.5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS2	14:16:21	4.0	Middle	2	2	28.71	8.23	19.7	74.6	5.11	5.2	5.4
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS2	14:16:02	6.9	Bottom	3	1	28.61	8.32	21.63	73.4	5.04	5.2	1.9
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS2	14:16:54	6.9	Bottom	3	2	28.6	8.11	21.75	71.8	4.93	5.4	1.6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS(MF)5	15:52:04	1.0	Surface	1	1	29.47	8.09	17.63	76	5.26	5.5	3.2
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS(MF)5	15:50:24	1.0	Surface	1	2	29.43	8.09	17.77	74	5.12	5.6	3.5
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS(MF)5	15:51:43	6.0	Middle	2	1	28.74	8.1	20.81	73.6	5.11	5.6	3.6
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS(MF)5	15:50:07	6.0	Middle	2	2	28.63	8.1	21.53	73.4	5.07	5.4	5.8
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS(MF)5	15:49:48	10.9	Bottom	3	1	27.55	8.09	26.32	71.1	4.99	5.5	3.2
HKLR	HY/2011/03	2014-07-02	Mid-Ebb	Sunny	CS(MF)5	15:51:13	10.9	Bottom	3	2	27.63	8.1	25.99	71.4	5	5.5	4
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS5	09:53:29	1.0	Surface	1	1	29.29	8.19	18.72	84.3	5.82	10.2	5.7
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS5	09:54:06	1.0	Surface	1	2	29.34	8.2	18.62	87.1	6.01	10.3	5.1
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS5	09:53:55	4.4	Middle	2	1	29.21	8.15	18.9	77.7	5.37	10.7	6.8
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS5	09:53:18	4.4	Middle	2	2	29.11	8.13	19.07	78.5	5.42	10.5	6.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS5	09:53:45	7.8	Bottom	3	1	29.01	8.09	20.72	79.2	5.43	10.6	6.2
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS5	09:53:11	7.8	Bottom	3	2	29.08	8.11	20.55	83	5.69	10.6	6.1
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS(MF)6	09:43:32	1.0	Surface	1	1	29.43	8.24	18.37	100.2	6.91	7.9	2.3
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS(MF)6	09:44:53	1.0	Surface	1	2	29.26	8.24	18.67	96.7	6.68	7.7	1.7
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS(MF)6	09:43:22	2.2	Bottom	3	1	29.54	8.22	18.58	99.2	6.82	8.1	2.7
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS(MF)6	09:44:35	2.2	Bottom	3	2	29.27	8.15	19.3	91.5	6.29	7.9	1.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS7	09:36:53	1.0	Surface	1	1	29.45	8.25	18.12	103.7	7.16	4.6	1.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS7	09:36:36	1.0	Surface	1	2	29.38	8.29	18.37	104.3	7.2	4.4	1.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS7	09:36:42	2.3	Bottom	3	1	29.37	8.28	18.74	104.6	7.21	6.2	1.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS7	09:36:21	2.3	Bottom	3	2	29.37	8.26	18.79	103.1	7.1	6.4	2.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS8	09:13:39	1.0	Surface	1	1	29.38	8.06	16.52	77.4	5.4	7.6	1.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS8	09:13:21	1.0	Surface	1	2	29.3	8.09	16.88	79.1	5.51	7.7	1.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS8	09:13:28	3.3	Bottom	3	1	29.25	8.06	18.14	77.6	5.38	7.6	1.7
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS8	09:13:14	3.3	Bottom	3	2	29.25	8.07	18.78	78.5	5.42	7.8	2.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS(MF)9	09:30:01	1.0	Surface	1	1	29.28	8.19	18.21	94.2	6.52	3.9	3
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS(MF)9	09:30:16	1.0	Surface	1	2	29.26	8.19	18.31	93	6.44	4.2	1.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS(MF)9	09:29:53	2.7	Bottom	3	1	29.26	8.19	18.38	93.7	6.48	4	3.4
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS(MF)9	09:30:09	2.7	Bottom	3	2	29.26	8.19	18.65	93.8	6.48	4.4	4.1
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS10	08:57:50	1.0	Surface	1	1	29.06	8.09	17.38	75.5	5.55	4.8	1.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS10	08:56:02	1.0	Surface	1	2	29.06	8.03	17.62	76.4	5.63	5.2	1.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS10	08:57:26	5.3	Middle	2	1	28.78	8.08	20.05	76.1	5.64	5.3	1.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS10	08:55:05	5.3	Middle	2	2	28.67	8.1	20.13	73.7	5.41	5.1	1
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS10	08:54:50	9.5	Bottom	3	1	28.18	8.03	24.1	73.2	5.31	5.6	1.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	IS10	08:56:23	9.5	Bottom	3	2	28.23	8	23.72	73.4	5.33	2.5	2.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR3	10:00:31	0.7	Middle	1	1	29.37	8.21	18.61	95.4	6.58	6.3	10.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR3	10:00:40	0.7	Middle	2	2	29.36	8.21	18.6	95.5	6.59	6.3	12.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR4	09:19:42	1.0	Surface	1	1	29.45	8.03	16.16	76.1	5.31	9.6	8.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR4	09:19:25	1.0	Surface	1	2	29.44	8.03	16.21	76.1	5.31	9.8	10.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR4	09:19:32	2.9	Bottom	3	1	29.42	8.03	16.25	76	5.3	9.5	6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR4	09:19:14	2.9	Bottom	3	2	29.4	8.02	16.91	76.2	5.3	9.7	6.1
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR5	09:05:09	1.0	Surface	1	1	29.3	8.07	14.27	73	5.16	3.7	1.3
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR5	09:05:31	1.0	Surface	1	2	29.19	8.08	14.13	73.1	5.19	3.9	0.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR5	09:04:46	4.2	Bottom	3	1	28.88	8.02	19.73	72.4	5.01	4.5	1.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR5	09:05:19	4.2	Bottom	3	2	29.06	7.99	19.42	72.7	5.01	4.1	1.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10A	08:11:08	1.0	Surface	1	1	29.16	8.07	17.15	75.9	5.29	2.7	3.4
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10A	08:10:31	1.0	Surface	1	2	29.12	8.07	17.07	75.6	5.28	2.7	3.2
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10A	08:10:20	3.3	Middle	2	1	28.89	8.07	19.82	74.4	5.14	2.5	1
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10A	08:10:58	3.3	Middle	2	2	29.03	8.07	17.68	74.3	5.18	2.7	1.3
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10A	08:10:44	5.5	Bottom	3	1	28.8	8.06	21.73	74.5	5.1	2.6	3.4
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10A	08:10:09	5.5	Bottom	3	2	28.96	8.04	21.42	76.5	5.23	2.4	1.3
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10B	08:04:40	1.0	Surface	1	1	28.67	8.1	19.49	72.8	5.06	3	0.8
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10B	08:04:20	1.0	Surface	1	2	28.67	8.09	19.65	72.1	5.03	3.1	1.4
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10B	08:04:30	4.2	Bottom	3	1	28.57	8.09	20.97	71.2	4.91	3.1	1.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	SR10B	08:04:07	4.2	Bottom	3	2	28.58	8.08	20.63	71.9	4.97	3	1.3
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS2	10:22:39	1.0	Surface	1	1	28.99	8.09	18.2	70.4	5.03	3.5	3.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS2	10:21:07	1.0	Surface	1	2	29.04	8.09	18.15	70.1	5.11	3.4	3.5
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS2	10:20:51	4.0	Middle	2	1	28.74	8.08	19.57	70.1	5.26	3.5	4.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS2	10:22:31	4.0	Middle	2	2	28.79	8.09	18.61	70.6	5.01	3.5	3.9
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS2	10:22:00	6.9	Bottom	3	1	28.77	8.06	21.64	71.6	5.21	3.5	2.2
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS2	10:20:36	6.9	Bottom	3	2	28.73	8.05	21.02	73.2	5.03	3.6	2.7
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS(MF)5	08:41:22	1.0	Surface	1	1	28.89	8.1	17.22	72.9	5.07	3.9	1.2
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS(MF)5	08:41:54	1.0	Surface	1	2	28.78	8.11	18.14	72.4	5.03	3.8	3.7
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS(MF)5	08:41:46	6.4	Middle	2	1	28.31	8.12	22.59	71.9	5	4.5	3.8
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS(MF)5	08:41:13	6.4	Middle	2	2	28.29	8.12	21.95	72.5	5.04	4.5	3.1
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS(MF)5	08:41:36	11.8	Bottom	3	1	28.26	8.09	26.12	71.1	4.97	4.6	2.6
HKLR	HY/2011/03	2014-07-02	Mid-Flood	Sunny	CS(MF)5	08:41:03	11.8	Bottom	3	2	27.71	8.12	26.46	71.4	4.98	4.6	4.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS5	15:51:09	1.0	Surface	1	1	30.74	8.1	14.37	100.9	6.96	8.8	5.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS5	15:50:36	1.0	Surface	1	2	30.82	8.14	14.22	105.7	7.29	8.7	5.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS5	15:50:58	4.3	Middle	2	1	30.07	7.92	18.03	92.2	6.31	9.1	5.4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS5	15:50:24	4.3	Middle	2	2	30.18	7.99	17.78	95.3	6.51	9.3	5.1
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS5	15:50:50	7.5	Bottom	3	1	30.09	7.94	18.37	97.8	6.68	9.3	5.3
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS5	15:50:15	7.5	Bottom	3	2	30.15	7.98	18.2	100.8	6.88	9.3	5.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS(MF)6	16:02:49	2.2	Surface	1	1	31.07	8.23	15.39	114.2	7.8	10.2	4.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS(MF)6	16:02:40	1.0	Surface	1	2	31.07	8.23	15.35	113.8	7.77	9.8	4.4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS(MF)6	16:02:30	2.2	Bottom	3	1	30.78	8.15	16.81	110.6	7.54	12.1	6
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS7	16:10:28	1.0	Surface	1	1	30.97	8.22	15.52	121.6	8.3	9.1	5.5
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS7	16:10:12	1.0	Surface	1	2	31.01	8.21	15.4	120.4	8.22	9.7	6.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS7	16:10:20	2.2	Bottom	3	1	30.87	8.21	15.89	120.8	8.25	10.2	7.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS7	16:10:04	2.2	Bottom	3	2	30.85	8.18	16.23	120.1	8.19	10.5	6.1
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS8	16:36:50	1.0	Surface	1	1	30.23	7.96	15.85	122	8.42	10.4	6.6
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS8	16:36:36	1.0	Surface	1	2	30.23	7.96	15.88	122.2	8.43	10.2	6
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS8	16:36:28	2.5	Bottom	3	1	30.19	7.96	16.57	121.6	8.37	10.2	4.1
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS(MF)9	16:18:19	1.0	Surface	1	1	30.5	8.35	15.82	126.2	8.67	10.3	5.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS(MF)9	16:19:00	1.0	Surface	1	2	30.58	8.32	15.78	125.1	8.59	9.8	5.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS(MF)9	16:18:02	2.2	Bottom	3	1	30.77	8.32	16.33	123.8	8.45	13.4	5.5
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS(MF)9	16:18:46	2.2	Bottom	3	2	30.69	8.23	16.55	117	7.98	13.8	6
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS10	17:11:55	1.0	Surface	1	1	30.6	8.25	9.02	88.8	6.32	4.3	3.8
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS10	17:11:48	1.0	Surface	1	2	30.46	8.24	9.32	86.9	6.19	4.2	2.9
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS10	17:11:35	5.2	Middle	2	1	29.27	8.09	16.8	76.1	5.22	5.4	3.4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS10	17:10:38	5.2	Middle	2	2	28.74	8.07	18.59	77.7	5.32	5.5	3.4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS10	17:11:12	9.4	Bottom	3	1	27.81	8.01	24.21	72.4	5.05	6.4	3
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	IS10	17:10:24	9.4	Bottom	3	2	27.81	8.01	24.56	68.9	4.8	6.5	2.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR3	15:36:36	0.8	Middle	2	1	30.95	8.17	13.71	113.5	7.83	8.3	4.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR3	15:36:44	0.8	Middle	2	2	30.95	8.18	13.75	114.4	7.9	8.4	5.1

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	2014-07-04	Mid-Ebb	Sunny	SR4	16:28:24	1.0	Surface	1	1	30.37	8.01	15.72	120.3	8.29	13	4.8
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR4	16:28:37	1.0	Surface	1	2	30.28	7.99	15.94	124	8.54	12.2	5
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR4	16:28:30	2.5	Bottom	3	1	30.26	7.99	16.28	123.2	8.48	12.3	5.3
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR4	16:28:15	2.5	Bottom	3	2	30.05	7.9	16.76	112	7.71	13	5.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR5	17:00:03	1.0	Surface	1	1	30.28	8.19	9.87	96.3	6.86	3.2	3.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR5	17:01:05	1.0	Surface	1	2	30.56	8.22	9.34	100.2	7.13	3.4	2.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR5	16:59:53	4.1	Bottom	3	1	30.02	8.11	14.78	96.3	6.71	3.2	3.4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR5	17:00:19	4.1	Bottom	3	2	29.88	8.11	14.81	94.9	6.62	3.2	3.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10A	17:40:00	1.0	Surface	1	1	31.1	7.85	13.93	111.9	7.69	3.6	3.3
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10A	17:40:45	1.0	Surface	1	2	31.2	7.86	13.9	114.6	7.87	3.7	2.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10A	17:40:33	3.3	Middle	2	1	30.15	7.72	16.08	102.4	7.07	3.5	2.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10A	17:39:49	3.3	Middle	2	2	30.14	7.73	16.17	102.5	7.07	3.5	3.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10A	17:40:22	5.6	Bottom	3	1	29.91	7.71	17.06	103	7.1	3.1	3.1
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10A	17:39:39	5.6	Bottom	3	2	29.98	7.73	16.76	102.9	7.1	3.4	2.8
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10B	17:55:11	1.0	Surface	1	1	31.17	7.88	13.89	115.8	7.95	3.5	3.5
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10B	17:55:38	1.0	Surface	1	2	31.14	7.87	13.9	115.6	7.95	3.3	4.2
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10B	17:55:01	3.9	Bottom	3	1	30.26	7.75	16.06	109.5	7.55	3.5	4.1
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	SR10B	17:55:27	3.9	Bottom	3	2	30.2	7.75	16.37	110.1	7.58	3.6	4.4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS2	15:41:49	1.0	Surface	1	1	30.4	8.28	10.19	92.5	6.57	3.8	3.4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS2	15:42:35	1.0	Surface	1	2	30.4	8.25	9.61	91	6.48	3.9	3.5
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS2	15:42:25	4.0	Middle	2	1	29.83	8.15	15.06	82.7	5.77	5	4.3
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS2	15:41:34	4.0	Middle	2	2	29.92	8.25	12.53	81	5.72	5.3	4.1
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS2	15:42:08	7.0	Bottom	3	1	28.61	8.07	21.14	79.2	5.46	7.5	4.3
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS2	15:41:13	7.0	Bottom	3	2	28.67	8.21	21.14	79.4	5.46	7.3	4.4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS(MF)5	17:08:31	1.0	Surface	1	1	30.6	7.73	13.66	98.4	6.9	4.7	4
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS(MF)5	17:07:40	1.0	Surface	1	2	30.45	7.73	14.03	98.3	6.82	4.9	3.8
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS(MF)5	17:07:26	6.7	Middle	2	1	29.79	7.67	18.71	89.5	6.13	5.6	3.8
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS(MF)5	17:08:18	6.7	Middle	2	2	29.89	7.7	17.52	89.7	6.17	5.2	3.7
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS(MF)5	17:08:04	12.3	Bottom	3	1	29.11	7.56	19.48	79.8	5.5	5.5	4.5
HKLR	HY/2011/03	2014-07-04	Mid-Ebb	Sunny	CS(MF)5	17:07:13	12.3	Bottom	3	2	28.96	7.58	20.5	86.6	5.95	5.1	4.4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS5	11:06:10	1.0	Surface	1	1	30.01	8.03	16.42	96.7	6.68	9.9	3.2
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS5	11:05:29	1.0	Surface	1	2	30.04	8.04	16.35	99.5	6.87	9.5	3.3
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS5	11:05:59	4.2	Middle	2	1	29.64	7.88	18.61	80.3	5.51	13.2	3.5
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS5	11:05:16	4.2	Middle	2	2	29.37	7.83	18.11	74.3	5.14	13.6	2.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS5	11:05:10	7.4	Bottom	3	1	29.08	7.75	20.98	76.2	5.21	13.8	3.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS5	11:05:48	7.4	Bottom	3	2	29.14	7.76	20.76	77.1	5.27	13.6	3.5
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS(MF)6	10:55:25	1.0	Surface	1	1	30.57	8.04	14.81	123.6	8.53	4	5.2
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS(MF)6	10:54:56	1.0	Surface	1	2	30.49	8.02	14.81	121.7	8.41	4	4.6
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS(MF)6	10:54:40	2.2	Bottom	3	1	30.25	8.08	15.8	124.6	8.6	5.1	4.4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS7	10:49:02	1.0	Surface	1	1	30.31	8.1	15.64	126.2	8.71	4.8	6.1
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS7	10:49:26	1.0	Surface	1	2	30.29	8.2	16.12	126	8.67	7.2	4.9
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS7	10:48:48	2.3	Bottom	3	1	30.17	8.09	17.03	118.3	8.12	11.3	4.3
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS8	10:24:17	1.0	Surface	1	1	29.9	8.1	17	120	8.24	10.5	3.9
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS8	10:24:35	1.0	Surface	1	2	30	7.95	15.17	92.3	6.43	10.5	4.4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS8	10:24:10	2.7	Bottom	3	1	29.86	7.93	15.33	91.7	6.39	12.2	2.9
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS(MF)9	10:41:19	1.0	Surface	1	1	30.02	8.1	15.71	121.7	8.44	5	3.6
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS(MF)9	10:41:00	1.0	Surface	1	2	30.08	8.11	15.64	121.6	8.43	5	3
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS(MF)9	10:41:10	2.4	Bottom	3	1	30.04	8.1	15.79	121.9	8.44	5	4.4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS(MF)9	10:40:51	2.4	Bottom	3	2	30.05	8.1	15.86	120.8	8.36	5.2	3.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS10	10:51:50	1.0	Surface	1	1	30.04	8.17	13.3	81.9	5.75	3.9	3
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS10	10:50:56	1.0	Surface	1	2	30.06	8.16	13.35	83.2	5.84	3.9	3.7
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS10	10:50:37	5.5	Middle	2	1	29.2	8.11	18.52	73	5.05	6.6	4.2
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS10	10:51:34	5.5	Middle	2	2	29.21	8.11	18.5	72.8	5.04	6.6	4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	IS10	10:50:16	10.0	Bottom	3	1	27.58	8.01	25.49	71.6	4.9	6.5	2.1

Water Quarterly 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	2014-07-04	Mid-Flood	Sunny	IS10	10:51:10	10.0	Bottom	3	2	27.53	8.01	25.62	71.8	4.91	6.7	2.5
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR3	11:18:02	0.8	Middle	2	1	30.13	8.11	16.24	123.2	8.5	6.2	4.6
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR3	11:17:49	0.8	Middle	2	2	30.12	8.09	16.31	121.8	8.4	6.4	4.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR4	10:30:46	1.0	Surface	1	1	30.05	7.88	14.52	93	6.49	10.2	5.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR4	10:30:33	1.0	Surface	1	2	30.03	7.86	14.45	93.2	6.5	11.1	5.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR4	10:30:24	2.7	Bottom	3	1	30.03	7.86	15.06	93.3	6.49	12.1	4.5
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR4	10:30:39	2.7	Bottom	3	2	30.03	7.87	15.62	93.4	6.47	10.9	4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR5	11:01:06	1.0	Surface	1	1	30.01	8.13	12.91	86.2	6.07	3.8	3.9
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR5	11:01:22	1.0	Surface	1	2	30.02	8.13	12.86	86.2	6.07	3.8	2.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR5	11:01:13	4.0	Bottom	3	1	29.89	8.09	15.81	86.3	5.99	3.7	4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR5	11:00:58	4.0	Bottom	3	2	29.87	8.09	15.9	86.7	6.02	3.7	2.3
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10A	09:19:29	1.0	Surface	1	1	29.94	7.89	14.21	87.3	6.11	3.3	4.4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10A	09:20:01	1.0	Surface	1	2	30.07	7.89	14.09	84.9	5.94	3.5	3.1
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10A	09:19:52	3.3	Middle	2	1	29.51	7.87	15.56	80.7	5.64	3.6	4.2
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10A	09:19:11	3.3	Middle	2	2	29.41	7.87	15.61	80.7	5.53	3.4	3.4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10A	09:19:43	5.6	Bottom	3	1	29.14	7.85	19.21	81.7	5.64	3.6	3.7
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10A	09:19:02	5.6	Bottom	3	2	29.03	7.85	19.47	79.6	5.49	3.5	2.6
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10B	09:05:01	1.0	Surface	1	1	29.52	7.84	15.43	82.6	5.78	3.6	3.4
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10B	09:05:21	1.0	Surface	1	2	29.34	7.86	15.49	81.5	5.72	3.5	3.2
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10B	09:04:51	4.1	Bottom	3	1	29.14	7.79	19.14	82.8	5.72	3.6	3.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	SR10B	09:05:13	4.1	Bottom	3	2	29.41	7.82	19.87	83.3	5.7	3.7	3.1
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS2	12:12:08	1.0	Surface	1	1	29.93	8.17	11.1	82	5.84	4.1	3.6
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS2	12:11:18	1.0	Surface	1	2	29.92	8.16	11.48	82.4	5.85	4.2	2.6
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS2	12:11:01	4.0	Middle	2	1	29.08	8.06	18.33	77.7	5.34	6.1	3.3
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS2	12:11:53	4.0	Middle	2	2	29.43	8.08	17.95	74.7	5.16	5.9	3.5
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS2	12:11:36	7.0	Bottom	3	1	28.45	8.01	22.05	73.6	5.05	6.1	3.6
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS2	12:10:49	7.0	Bottom	3	2	28.65	8	21.44	73.1	5.08	5.9	3.9
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS(MF)5	09:53:04	1.0	Surface	1	1	29.69	7.88	14.67	81.5	5.71	3.7	3.7
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS(MF)5	09:53:40	1.0	Surface	1	2	29.63	7.87	14.4	80.6	5.67	3.9	3.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS(MF)5	09:52:50	6.7	Middle	2	1	29.08	7.85	19.47	77	5.31	3.4	3.8
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS(MF)5	09:53:30	6.7	Middle	2	2	29.1	7.85	19.97	77.6	5.34	3.6	4.5
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS(MF)5	09:52:35	12.4	Bottom	3	1	28.94	7.83	20.71	78.2	5.37	3.4	5.1
HKLR	HY/2011/03	2014-07-04	Mid-Flood	Sunny	CS(MF)5	09:53:19	12.4	Bottom	3	2	29.08	7.84	20.23	79.2	5.44	3.3	5.3
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS5	09:52:32	1.0	Surface	1	1	30.9	8.66	13.59	111.2	7.69	6.7	6.8
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS5	09:53:21	1.0	Surface	1	2	31.01	8.65	13.83	110.5	7.61	6.6	6.3
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS5	09:52:55	4.3	Middle	2	1	27.78	8.01	25.95	77.5	5.19	6.7	6
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS5	09:52:05	4.3	Middle	2	2	27.67	8.03	25.9	75.6	5.12	6.6	7.3
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS5	09:51:58	7.6	Bottom	3	1	27.6	8.12	27.22	73.9	5	6.7	6.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS5	09:52:45	7.6	Bottom	3	2	27.62	8.06	27.19	76.1	5.15	6.6	7.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS(MF)6	09:44:38	1.0	Surface	1	1	30.94	8.72	12.93	131	9.08	5.8	5.1
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS(MF)6	09:44:21	1.0	Surface	1	2	30.92	8.7	12.96	125.3	8.69	5.6	5.6
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS(MF)6	09:44:09	2.2	Bottom	3	1	30.45	8.52	18.38	125	8.48	6.7	5.4
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS7	09:38:15	1.0	Surface	1	1	31.2	8.57	14.81	108.8	7.44	10.4	4.7
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS7	09:38:41	1.0	Surface	1	2	31.28	8.64	13.92	113.9	7.81	10.4	5.4
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS7	09:38:02	2.3	Bottom	3	1	30.09	8.28	17.98	95.8	6.55	10.9	4.3
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS7	09:38:28	2.3	Bottom	3	2	29.81	8.29	17.88	95.8	6.44	10.8	4.8
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS8	09:11:40	1.0	Surface	1	1	31.01	8.66	12.75	114.7	7.95	7.5	5.1
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS8	09:11:15	1.0	Surface	1	2	31.03	8.68	12.74	119.1	8.25	7.3	5.8
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS8	09:11:27	3.1	Bottom	3	1	29.46	8.34	18.63	107.9	7.43	7.3	4.5
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS8	09:11:02	3.1	Bottom	3	2	29.38	8.32	18.6	108.7	7.49	7.2	5.9
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS(MF)9	09:29:46	1.0	Surface	1	1	30.96	8.66	13.43	110.9	7.67	7.4	6
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS(MF)9	09:29:17	1.0	Surface	1	2	30.96	8.64	13.63	111	7.67	7.7	5.9
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS(MF)9	09:29:05	2.6	Bottom	3	1	29.45	8.27	18.38	91.9	6.33	7.4	5.7
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS(MF)9	09:29:33	2.6	Bottom	3	2	28.61	8.23	21.41	90.7	6.24	7.6	6.1
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS10	10:01:09	1.0	Surface	1	1	30.93	8.69	13.47	128.9	8.91	6	3.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS10	10:01:00	1.0	Surface	1	2	30.95	8.68	13.52	128.7	8.89	6	2.5

Water Quarterly 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	2014-07-07	Mid-Ebb	Sunny	IS10	09:18:33	1.9	Middle	2	1	31.18	8.58	12.79	128.9	8.9	9.1	3.8
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS10	09:18:15	1.9	Middle	2	2	31.21	8.59	12.85	128.8	8.9	9.2	4.1
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS10	09:18:04	2.7	Bottom	3	1	31.02	8.52	13.38	127.1	8.78	9.4	3.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	IS10	09:18:25	2.7	Bottom	3	2	31.11	8.56	13.36	129.4	8.92	9.7	2.8
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR3	07:57:01	1.1	Middle	2	1	30.08	8.53	14.06	120.2	8.4	3	6.3
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR3	07:57:20	1.1	Middle	2	2	30	8.51	14.1	118.6	8.3	2.9	5.5
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR4	07:56:52	1.0	Surface	1	1	29.94	8.49	15.2	118.6	8.26	2.9	5.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR4	07:57:14	1.0	Surface	1	2	29.92	8.48	15.35	118.1	8.22	3	4.8
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR4	07:56:46	5.4	Bottom	3	1	30.03	8.51	15.52	120.2	8.34	3	5.6
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR4	07:57:08	5.4	Bottom	3	2	29.96	8.49	15.53	119.5	8.3	3	5.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR5	07:51:45	1.0	Surface	1	1	29.01	8.35	17.69	96.5	6.73	3.1	4.4
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR5	07:51:30	1.0	Surface	1	2	29.03	8.35	17.79	97.9	6.79	3.1	4.9
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR5	07:51:23	3.9	Bottom	3	1	29.01	8.34	20.27	98.1	6.75	3.2	5.4
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR5	07:51:38	3.9	Bottom	3	2	29.07	8.33	20.54	98.1	6.73	3.2	3.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10A	08:35:42	1.0	Surface	1	1	29.79	8.41	13.9	92.1	6.47	3.5	3.6
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10A	08:35:28	6.0	Middle	2	1	29.28	8.28	21.56	76	5.26	3.5	3.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10A	08:36:21	6.0	Middle	2	2	28.83	8.27	21.56	74.4	5.1	3.7	3
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10A	08:35:10	11.0	Bottom	3	1	26.38	8.14	28.56	70.7	4.85	3.6	3
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10B	08:36:01	11.0	Bottom	3	2	26.33	8.14	28.76	72.1	4.94	3.6	3.7
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10B	13:55:45	1.0	Surface	1	1	30.84	8.46	14.81	102.8	7.03	10.3	3.6
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10B	13:55:14	1.0	Surface	1	2	30.77	8.36	14.94	104.5	7.16	10.5	3.7
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10B	13:55:05	4.4	Bottom	3	1	27.96	8.04	22.07	77.4	5.25	10.1	4
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	SR10B	13:55:33	4.4	Bottom	3	2	28.18	8.04	22.37	73.9	5.09	10.1	3.8
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS2	13:55:26	1.0	Surface	1	1	28.04	8.1	26.27	72.7	5.02	10.9	3.5
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS2	13:54:59	1.0	Surface	1	2	27.77	8.14	27.04	76.9	5.22	10.2	3.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS2	14:01:50	1.6	Middle	2	1	31.21	8.78	13.41	150.8	10.38	10.4	3.7
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS2	14:01:36	1.6	Middle	2	2	31.17	8.78	13.17	144.4	9.97	10.3	2.6
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS2	14:01:24	2.1	Bottom	3	1	31.15	8.67	14.89	145.3	9.93	10.2	3.3
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS2	14:01:42	2.1	Bottom	3	2	31.23	8.76	13.66	150.8	10.36	10.7	3.1
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS(MF)5	14:08:28	1.0	Surface	1	1	31.21	8.84	12.91	152.6	10.48	6.6	2.7
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS(MF)5	14:08:20	1.1	Surface	1	2	31.18	8.77	12.94	156.4	10.79	6.6	3.2
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS(MF)5	14:08:38	1.1	Middle	2	1	31.18	8.79	12.83	141.2	9.7	6.8	3.6
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS(MF)5	14:08:38	1.1	Middle	2	2	30.89	8.57	14.71	140.6	9.7	6.7	3.7
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS(MF)5	14:33:23	1.2	Bottom	3	1	30.24	8.46	13.94	104.2	7.27	10.2	4.7
HKLR	HY/2011/03	2014-07-07	Mid-Ebb	Sunny	CS(MF)5	14:33:44	1.2	Bottom	3	2	30.28	8.48	14.22	104.4	7.26	10.2	2.8
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS5	14:33:31	1.0	Surface	1	1	30.04	8.33	19.04	104.3	7.09	10.5	4.4
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS5	14:33:14	1.0	Surface	1	2	30.17	8.4	17.74	110.2	7.54	10.5	4.2
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS5	14:16:08	1.8	Middle	2	1	30.71	8.63	13.68	128.2	8.88	10.5	4
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS5	14:15:52	1.8	Middle	2	2	30.83	8.69	13.71	132.4	9.15	10.2	3.7
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS5	14:15:44	2.6	Bottom	3	1	30.79	8.61	16.25	136.9	9.34	10	3
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS5	14:15:58	2.6	Bottom	3	2	30.82	8.62	16.11	133.6	9.12	10.7	4.3
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS(MF)6	13:47:13	1.0	Surface	1	1	30.85	8.56	14.96	122	8.38	13.2	5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS(MF)6	13:47:05	1.0	Surface	1	2	30.84	8.55	15	121.3	8.33	13.2	4.8
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS(MF)6	14:26:43	1.1	Bottom	3	1	30.38	8.59	13.1	120.8	8.44	10.2	5.8
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS(MF)6	14:27:03	1.1	Bottom	3	2	30.36	8.57	13.16	118.5	8.28	10.2	6
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS7	14:26:52	1.0	Surface	1	1	30.22	8.43	16.59	120.2	8.27	10.1	5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS7	14:26:31	1.0	Surface	1	2	30.27	8.46	16.57	118.9	8.17	10.7	3.7
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS7	15:39:07	1.2	Bottom	3	1	29.58	8.45	15.66	93.6	6.54	2.6	4.6
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS7	15:38:27	1.2	Bottom	3	2	29.39	8.45	15.73	95.6	6.7	2.6	6.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS8	15:38:17	1.0	Surface	1	1	28.48	8.33	21.71	85.9	5.92	2.5	5.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS8	15:38:56	1.0	Surface	1	2	28.24	8.3	22.04	83.8	5.77	2.6	4.6
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS8	15:38:08	5.5	Bottom	3	1	28.13	8.29	22.4	85	5.85	2.5	5.6
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS8	15:38:48	5.5	Bottom	3	2	27.91	8.27	23.27	81.9	5.65	2.6	5.5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS(MF)9	15:46:33	1.0	Surface	1	1	29.17	8.43	15.96	97.3	6.83	2.9	5.7
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS(MF)9	15:46:48	1.0	Surface	1	2	28.93	8.39	16.61	95.4	6.7	2.9	5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS(MF)9	15:46:23	3.9	Bottom	3	1	28.32	8.33	21.95	98.4	6.78	2.8	6.2

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	2014-07-07	Mid-Flood	Sunny	IS(MF)9	15:46:39	3.9	Bottom	3	2	29.09	8.37	21.68	99	6.74	2.9	5.8
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS10	15:17:41	1.0	Surface	1	1	29.91	8.48	15.16	89.3	6.22	3.5	4.7
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS10	15:18:21	1.0	Surface	1	2	29.91	8.49	15.24	92.5	6.44	3.5	5.2
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS10	15:18:04	6.3	Middle	2	1	27.18	8.09	27.04	74.9	5.13	3.5	5.2
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS10	15:17:23	6.3	Middle	2	2	27	8.09	27.71	73.7	5.08	3.7	6.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS10	15:17:54	11.6	Bottom	3	1	25.3	8.11	32.16	74.5	5.11	3.5	5.2
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	IS10	15:17:11	11.6	Bottom	3	2	25.34	8.12	32.21	75.5	5.17	3.4	5.5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR3	08:42:53	1.0	Middle	2	1	30.36	8.31	9.69	72	5.55	3.1	4.2
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR3	08:43:53	1.0	Middle	2	2	30.32	8.28	9.93	73.7	5.25	3.1	4.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR4	08:43:37	1.0	Surface	1	2	28.15	8.03	22.34	75.6	5.34	3.3	6.8
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR4	08:42:21	1.0	Surface	1	2	28.03	8.01	22.88	75.3	5.71	3.4	6.9
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR4	08:42:03	9.1	Bottom	3	1	26.62	7.97	27.88	78.9	5.67	3.1	6.8
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR4	08:43:19	9.1	Bottom	3	2	26.37	8	28.22	74.4	5.74	3.2	7.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR5	08:52:40	1.0	Surface	1	1	30.12	8.33	10.18	76	5.85	4.9	6.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR5	08:53:13	1.0	Surface	1	2	30.07	8.33	10.14	73.3	5.66	4.3	5.7
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR5	08:52:59	4.0	Bottom	3	1	29.16	8.18	19.14	73.6	5.46	4.4	6
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR5	08:52:24	4.0	Bottom	3	2	29.12	8.2	18.98	77.3	5.73	4.1	5.2
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10A	10:06:12	1.0	Surface	1	1	30.09	8.24	11.87	75.3	5.81	1.9	4.9
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10A	10:07:21	1.0	Surface	1	2	30.07	8.27	11.71	72.5	5.54	2.3	5.6
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10A	10:05:49	3.9	Middle	2	1	29.48	8.11	16.28	74.9	5.34	2.5	6.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10A	10:06:48	3.9	Middle	2	2	30.04	8.2	16.62	72.2	5.37	2.2	6.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10A	10:06:26	6.7	Bottom	3	1	30.08	8.21	15.81	74.4	5.39	2.2	5.5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10A	10:05:35	6.7	Bottom	3	2	29.35	8.09	16.39	77.5	5.74	2.3	4.5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10B	15:18:32	1.0	Surface	1	1	30.1	8.37	14.92	74.5	5.74	3.4	5.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10B	15:18:00	1.0	Surface	1	2	30.05	8.38	13.47	75.2	5.24	3.8	3.2
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10B	15:18:15	5.2	Bottom	3	1	28.32	8.28	21.83	76.9	5.62	3.5	5.3
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	SR10B	15:17:34	5.2	Bottom	3	2	28.1	8.1	21.98	78.8	5.07	3.2	4.3
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS2	15:18:09	1.0	Surface	1	1	28.84	8.36	21.15	75	5.46	3.3	5.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS2	15:16:51	1.0	Surface	1	2	27.55	8.16	24.52	77.7	5.66	3.1	6
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS2	15:05:12	2.6	Middle	2	1	30.09	8.37	11.01	78	5.16	4.4	5.1
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS2	15:04:47	2.6	Middle	2	2	30.03	8.3	11.85	80.4	5.69	4.6	5.3
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS2	15:03:55	4.2	Bottom	3	1	28.43	8.17	21.27	80	5.52	4.4	6.7
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS2	15:04:54	4.2	Bottom	3	2	29.77	8.26	19.11	80.1	5.18	4.3	6.8
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS(MF)5	13:44:51	1.0	Surface	1	1	30.02	8.29	11.44	73.2	5.76	2	5.5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS(MF)5	13:45:43	1.0	Surface	1	2	30.04	8.3	10.26	72.1	5.87	2	4.6
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS(MF)5	13:45:22	4	Middle	2	1	27.98	8.07	19.01	77	5.31	2.3	4.3
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS(MF)5	13:44:28	4	Middle	2	2	28.61	8.09	17.46	74.4	5.12	2.5	4
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS(MF)5	13:45:13	7	Bottom	3	1	27.43	8.04	26.21	76.3	5.84	2	4.5
HKLR	HY/2011/03	2014-07-07	Mid-Flood	Sunny	CS(MF)5	13:43:26	7	Bottom	3	2	27.43	8.15	26.36	75.3	5.78	2.1	5.3
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS5	11:35:01	1.0	Surface	1	1	30.24	8.41	16.97	84.3	5.8	6.4	5.9
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS5	11:36:00	1.0	Surface	1	2	30.2	8.4	17.09	83.6	5.73	6.5	6.2
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS5	11:34:38	4.2	Middle	2	1	27.73	8.03	26.39	78.8	5.28	7	6.5
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS5	11:35:34	4.2	Middle	2	2	27.72	8.02	26.24	79	5.28	7.7	6.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS5	11:35:23	7.3	Bottom	3	1	27.37	8.01	27.95	74	5.03	7.8	6.2
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS(MF)6	11:22:44	1.0	Surface	1	1	30.31	8.38	17.77	82	5.59	7.8	6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS(MF)6	11:22:22	1.0	Surface	1	2	30.15	8.31	18.16	77.3	5.28	7.1	6.2
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS(MF)6	11:22:05	2.2	Bottom	3	1	28.67	8.17	23.39	73.4	4.99	11.8	5.4
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS(MF)6	11:22:29	2.2	Bottom	3	2	28.73	8.19	23.08	72.7	4.94	10.8	4.6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS7	11:15:13	1.0	Surface	1	1	29.93	8.22	19.23	77.2	5.32	11.9	5.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS7	11:14:41	2.2	Bottom	3	2	29.34	8.16	20.95	71.7	4.87	13.1	5.3
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS7	11:15:02	2.2	Bottom	3	1	29.34	8.12	21.37	73	5.01	12.6	3.7
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS8	10:48:55	1.0	Surface	1	1	29.81	8.32	18.5	80.1	5.49	8.2	5.3
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS8	10:49:30	1.0	Surface	1	2	29.83	8.33	18.51	81.5	5.58	7.6	5.7
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS8	10:48:37	2.8	Bottom	3	1	28.55	8.14	21.69	73.3	5.04	10.9	3.6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS8	10:49:06	2.8	Bottom	3	2	28.56	8.14	22.18	70.8	4.92	10	5.1

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	2014-07-09	Mid-Ebb	Sunny	IS(MF)9	11:07:00	1.0	Surface	1	1	29.75	8.27	19.01	76.4	5.23	10.3	6.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS(MF)9	11:07:25	1.0	Surface	1	2	29.79	8.28	18.91	76.4	5.23	10	5.6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS(MF)9	11:07:09	2.4	Bottom	3	1	28.76	8.19	21.05	71.1	4.89	8.4	6.2
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS(MF)9	11:06:44	2.4	Bottom	3	2	29.64	8.21	20.7	73.7	5.05	7.8	5.3
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS10	10:50:45	1.0	Surface	1	1	29.64	8.36	14.33	104.2	7.33	2.4	5.5
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS10	10:49:26	1.0	Surface	1	2	29.59	8.37	14.58	105.1	7.38	2.6	5.4
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS10	10:48:44	5.3	Middle	2	1	27.37	8.11	24.31	75.3	5.15	6.3	6.4
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS10	10:50:06	5.3	Middle	2	2	27.36	8.07	25.95	74.2	5.09	6.1	5.5
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS10	10:48:34	9.6	Bottom	3	1	26.69	8.14	27.98	74.1	5.07	6.4	4.3
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	IS10	10:49:50	9.6	Bottom	3	2	27.05	8.13	27.7	71.2	4.85	6.3	5.2
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR3	11:44:51	0.8	Middle	2	1	30.27	8.4	16.88	98.3	6.74	6.2	6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR3	11:44:57	0.8	Middle	2	2	30.29	8.42	16.85	99.1	6.8	6.2	6.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR4	10:56:02	1.0	Surface	1	1	29.88	8.33	18.26	79.7	5.46	7.5	3.6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR4	10:56:26	1.0	Surface	1	2	29.85	8.33	18.21	77.9	5.34	8.2	3.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR4	10:56:12	2.7	Bottom	3	1	28.68	8.17	20.92	72.8	5.01	10.1	4.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR4	10:55:45	2.7	Bottom	3	2	28.35	8.21	22.31	75.7	5.2	9.3	3.4
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR5	11:04:38	1.0	Surface	1	1	29.34	8.3	17	92.6	6.45	2.6	5.3
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR5	11:05:46	1.0	Surface	1	2	29.32	8.29	17.01	95.2	6.63	2.5	5.6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR5	11:03:33	4.6	Bottom	3	1	27.86	8.14	23.83	75.6	5.19	6.4	5.6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR5	11:05:16	4.6	Bottom	3	2	27.9	8.15	24.85	76.2	5.2	6.4	4.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10A	09:33:20	1.0	Surface	1	1	29.18	8.48	17.64	114.3	7.95	2.6	4.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10A	09:32:47	1.0	Surface	1	2	29.05	8.47	18.07	112.8	7.84	2.5	4.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10A	09:33:11	3.3	Middle	2	1	28.77	8.41	19.54	109.6	7.59	2.6	4.9
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10A	09:32:38	3.3	Middle	2	2	28.76	8.41	19.49	107.8	7.47	2.5	4.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10A	09:33:03	5.5	Bottom	3	1	28.73	8.41	19.73	110.9	7.69	2.5	5.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10A	09:32:27	5.5	Bottom	3	2	28.69	8.4	19.88	108.3	7.5	2.6	5.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10B	09:17:49	1.0	Surface	1	1	28.17	8.35	20.87	99.2	6.9	3.3	4.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10B	09:17:35	1.0	Surface	1	2	28.23	8.35	21.34	99.2	6.87	3.2	6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10B	09:17:41	3.8	Bottom	3	1	28.18	8.34	21.75	99.6	6.88	3.2	4.7
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	SR10B	09:17:25	3.8	Bottom	3	2	28.07	8.33	22.01	98.5	6.82	3.3	5.6
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS2	12:05:10	1.0	Surface	1	1	29.85	8.33	15.56	65.6	6.56	2.7	4.7
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS2	12:04:25	1.0	Surface	1	2	29.99	8.34	15.31	97.4	6.77	2.6	4.9
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS2	12:04:03	4.0	Middle	2	1	28.31	8.12	23.37	74.2	5.1	4.4	5.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS2	12:04:49	4.0	Middle	2	2	27.4	8.1	23.65	73.6	5.09	4.4	5.5
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS2	12:04:41	6.9	Bottom	3	1	26.96	8.11	29	72.6	4.99	5.4	5.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS2	12:03:49	6.9	Bottom	3	2	26.94	8.12	29.03	71.2	4.83	5.5	3.7
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS(MF)5	10:12:47	1.0	Surface	1	1	29.09	8.34	17.74	88.6	6.17	3.2	3.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS(MF)5	10:12:00	1.0	Surface	1	2	28.92	8.32	18.03	84.7	5.9	3	3.2
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS(MF)5	10:12:33	6.7	Middle	2	1	28.22	8.27	21.44	76	5.26	2.8	4.1
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS(MF)5	10:11:49	6.7	Middle	2	2	28.06	8.26	21.77	74.8	5.18	2.7	2.9
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS(MF)5	10:11:40	12.3	Bottom	3	1	27.34	8.21	25.25	73.8	5.08	4.5	3.2
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	CS(MF)5	10:12:20	12.3	Bottom	3	2	27.32	8.21	25.15	73.4	5.05	4.3	3.8
HKLR	HY/2011/03	2014-07-09	Mid-Ebb	Sunny	ISS	18:03:04	1.0	Surface	1	1	27.26	8.27	27.21	82.7	5.63	4	5.8
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	ISS	18:03:36	1.0	Surface	1	2	27.27	8.29	27.24	83.9	5.72	3.9	6.3
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	ISS	18:02:57	1.0	Middle	2	1	27.37	8.28	27.29	83.4	5.67	3.8	4.5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	ISS	18:03:28	1.0	Middle	2	2	27.38	8.3	27.31	85.2	5.79	3.7	6.1
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	ISS	18:16:33	0.9	Bottom	3	1	28	8.32	24.01	87.1	5.96	3	5.5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	ISS	18:16:53	0.9	Bottom	3	2	28.12	8.36	23.75	88.6	6.07	3.3	6.3
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS(MF)6	17:28:40	1.0	Surface	1	1	26.35	8.07	29.15	70.8	4.85	3.7	4.8
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS(MF)6	17:29:30	1.0	Surface	1	2	26.34	8.09	29.23	72.8	4.98	3.7	5.6
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS(MF)6	18:03:17	1.0	Bottom	3	1	28.21	8.34	23.94	87.5	5.98	3.3	4.5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS(MF)6	18:03:48	1.0	Bottom	3	2	28.07	8.34	23.94	87.1	5.96	3.3	6.4
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS7	17:29:12	1.0	Surface	1	1	30.42	8.77	17.68	113.9	7.76	3.2	6.1
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS7	17:31:01	1.0	Surface	1	2	30.68	8.66	16.95	109.8	7.48	3.4	5.6
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS7	17:30:01	6.6	Bottom	3	1	28.35	8.24	24.57	76.1	5.17	2.6	5.2
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS7	17:29:01	6.6	Bottom	3	2	28.47	8.24	25.37	78	5.26	2.7	4.8
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS8	16:31:27	1.0	Surface	1	1	31.31	8.6	18.29	110.4	7.39	5.8	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	2014-07-09	Mid-Flood	Sunny	IS8	16:31:08	1.0	Surface	1	2	31.16	8.58	18.3	105	7.05	6	4.6
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS8	16:30:59	2.4	Bottom	3	1	30.8	8.52	19.4	104.5	7.01	6.3	5.8
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS8	16:31:15	2.4	Bottom	3	2	31.11	8.57	18.6	107.1	7.18	6	6.3
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS(MF)9	16:54:33	1.0	Surface	1	1	30.33	8.66	17.2	120.4	8.24	10.1	6.4
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS(MF)9	16:54:46	1.0	Surface	1	2	30.07	8.59	17.32	114.4	7.86	10.6	6.1
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS(MF)9	16:54:24	2.6	Bottom	3	1	30.05	8.57	18.78	118.3	8.06	13.1	4.4
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS(MF)9	16:54:40	2.6	Bottom	3	2	30.02	8.55	19.15	119.4	8.12	13.1	5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS10	17:24:44	1.0	Surface	1	1	30.47	8.44	15.37	110.9	7.65	4.8	4.7
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS10	17:25:40	1.0	Surface	1	2	30.26	8.42	15.71	110.8	7.65	4.6	6.1
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS10	17:24:25	5.5	Middle	2	1	27.82	8.18	24.75	75.2	5.17	6.8	5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS10	17:25:18	5.5	Middle	2	2	27.57	8.17	25.06	74.1	5.12	6.7	5.9
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS10	17:24:14	9.9	Bottom	3	1	26.27	8.18	28.5	73.8	5.12	6.7	5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	IS10	17:25:07	9.9	Bottom	3	2	26.27	8.17	28.49	72.8	5	6.8	5.4
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR3	18:16:21	3.7	Middle	2	1	27.47	8.31	27.19	87.4	5.93	3.4	6.3
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR3	18:16:41	3.7	Middle	2	2	27.49	8.3	27.17	84.7	5.75	3.5	6.1
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR4	16:43:08	1.0	Surface	1	1	30.12	8.62	17.36	116.1	7.96	11	6.2
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR4	16:43:23	1.0	Surface	1	2	30.14	8.62	17.32	116.6	7.99	10.4	6.6
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR4	16:43:16	2.3	Bottom	3	1	29.98	8.56	18.48	116.9	7.98	11.5	7.4
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR4	16:43:00	2.3	Bottom	3	2	30	8.57	18.67	114.2	7.8	12.5	7.5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR5	17:14:43	1.0	Surface	1	1	29.91	8.4	16.51	110.8	7.66	3.7	6.6
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR5	17:14:13	1.0	Surface	1	2	29.86	8.39	16.94	110	7.6	3.7	6
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR5	17:14:23	3.9	Bottom	3	1	28.29	8.3	22.1	99.1	6.83	5.4	7.1
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR5	17:13:54	3.9	Bottom	3	2	28.27	8.3	22.11	98.2	6.77	5.2	6.1
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10A	16:07:55	1.0	Surface	1	1	29.43	8.16	22.04	78.4	5.31	10	5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10A	16:07:21	1.0	Surface	1	2	29.35	8.18	22.1	75.5	5.09	10.6	5.4
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10A	16:07:46	1	Middle	2	1	28.3	8.11	25.14	75	5.08	9.6	6.3
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10A	16:07:03	1	Middle	2	2	28.44	8.12	24.72	70.8	4.8	9.7	5.3
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10A	16:18:14	1	Bottom	3	1	30.44	8.45	19.31	109	7.36	11.8	6
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10A	16:17:56	1	Bottom	3	2	30.38	8.43	19.22	105.6	7.14	10.4	6.5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10B	15:54:18	1.0	Surface	1	1	31.43	8.61	18.17	143.9	9.61	5.6	5.8
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10B	15:54:10	1.0	Surface	1	2	31.34	8.6	18.25	142.9	9.55	5.8	5.9
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10B	16:07:32	1.0	Bottom	3	1	31.32	8.51	18.35	97	6.48	8.2	5.8
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	SR10B	16:08:07	1.0	Bottom	3	2	30.95	8.47	18.8	92.7	6.22	8.1	5.9
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS2	15:56:56	1.0	Surface	1	1	31.13	8.47	12.93	119.5	8.26	5.1	6.5
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS2	15:57:40	1.0	Surface	1	2	30.83	8.45	13.06	115.9	8.04	5.4	6.7
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS2	15:57:28	4.2	Middle	2	1	30.43	8.31	15.72	82.6	5.69	5.2	5.9
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS2	15:56:42	4.2	Middle	2	2	29.35	8.26	15.76	78.9	5.53	5.5	6.2
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS2	15:56:21	7.3	Bottom	3	1	28.06	8.18	23.8	75.2	5.15	5.3	5.6
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS2	15:57:19	7.3	Bottom	3	2	28	8.2	23.81	78	5.35	5.5	6.2
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS(MF)5	16:18:03	1.0	Surface	1	1	30.27	8.39	20.63	107.7	7.24	13.3	6.3
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS(MF)5	16:17:47	1.0	Surface	1	2	30.19	8.37	20.85	111.6	7.5	12.9	7
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS(MF)5	16:25:03	1.6	Middle	2	1	30.64	8.52	18.82	111.2	7.5	8.9	6.3
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS(MF)5	16:24:48	1.6	Middle	2	2	30.77	8.54	18.75	113.4	7.64	9.3	7
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS(MF)5	16:24:41	2.1	Bottom	3	1	30.35	8.45	19.95	112.3	7.57	13.5	6.9
HKLR	HY/2011/03	2014-07-09	Mid-Flood	Sunny	CS(MF)5	16:24:56	2.1	Bottom	3	2	29.7	8.4	20.72	110	7.46	12.8	6.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS5	12:13:37	1.0	Surface	1	1	29.37	8.28	20.99	82.4	5.59	8.9	6.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS5	12:12:47	1.0	Surface	1	2	29.47	8.3	20.71	88.4	5.59	8.4	6.6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS5	12:12:26	4.2	Middle	2	1	28.53	8.15	22.63	79.7	5.41	10	6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS5	12:13:11	4.2	Middle	2	2	28.06	8.11	24.34	79.1	5.39	10.7	5.8
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS5	12:12:59	7.4	Bottom	3	1	28.06	8.14	24.5	70.6	4.82	9.8	6.7
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS5	12:12:15	7.4	Bottom	3	2	28.67	8.18	24.31	73.4	4.96	9.9	5.3
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS(MF)6	11:59:03	1.0	Surface	1	1	29.34	8.27	20.71	79.6	5.43	9	5.9
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS(MF)6	11:59:42	1.0	Surface	1	2	29.15	8.21	21.01	80.8	5.52	8.9	5.8
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS(MF)6	11:59:32	2.0	Bottom	3	1	29.01	8.19	21.52	75.5	5.15	9.8	5.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS(MF)6	11:59:49	2.0	Bottom	3	2	29	8.18	21.42	73.8	5.02	10.6	5.8
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS7	11:53:25	1.0	Surface	1	1	29.26	8.27	19.8	83.8	5.75	8.7	5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS7	11:54:13	1.0	Surface	1	2	29.33	8.27	20.34	82.5	5.64	9.6	5.3

Water Quarterly 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	2014-07-11	Mid-Ebb	Sunny	IS7	11:53:16	2.2	Bottom	3	1	29.26	8.25	21.2	85.7	5.84	10.4	5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS7	11:59:59	2.2	Bottom	3	2	29.2	8.15	21.25	79.9	5.44	11.1	4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS8	11:27:20	1.0	Surface	1	1	29.62	8.37	19.54	91.3	6.24	9.3	5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS8	11:27:42	1.0	Surface	1	2	29.65	8.38	19.86	96.5	6.58	8.9	3.5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS8	11:27:28	2.7	Bottom	3	1	28.77	8.24	21.72	87.6	6	11	6.1
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS8	11:27:11	2.7	Bottom	3	2	29.16	8.25	21.51	88.9	6.06	10.4	6.1
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS(MF)9	11:47:00	1.0	Surface	1	1	29.56	8.34	19.5	90.9	6.22	10.6	4.5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS(MF)9	11:47:16	1.0	Surface	1	2	29.43	8.32	19.65	88.3	6.05	10.6	4.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS(MF)9	11:46:49	2.3	Bottom	3	1	29.15	8.23	20.99	87.7	5.99	10.8	5.1
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS(MF)9	11:47:08	2.3	Bottom	3	2	29.33	8.27	21.5	90.8	6.17	11.3	4.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS10	12:09:31	1.0	Surface	1	1	29.1	8.1	17.88	80.5	5.6	4.5	6.1
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS10	12:10:13	1.0	Surface	1	2	29.19	8.12	17.58	81	5.63	4.5	6.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS10	12:09:57	5.4	Middle	2	1	28.59	8.06	19.77	76.3	5.23	8.5	7
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS10	12:09:16	5.4	Middle	2	2	28.64	8.05	19.78	73.4	5.04	8.7	6.7
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS10	12:08:53	9.7	Bottom	3	1	28.14	8.02	23.08	70.5	4.89	8.5	6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	IS10	12:09:44	9.7	Bottom	3	2	28.21	8.04	23.26	69.9	4.85	8.5	7
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR3	12:23:38	0.7	Middle	2	1	29.41	8.3	20.94	88.5	6.02	8	5.5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR4	11:35:57	1.0	Surface	1	1	29.6	8.37	19.99	94	6.41	8.4	5.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR4	11:35:29	1.0	Surface	1	2	29.52	8.34	19.85	90.2	6.16	7.9	5.6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR4	11:35:21	2.7	Bottom	3	1	29.32	8.3	21.4	83.5	5.41	10.3	5.1
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR4	11:35:41	2.7	Bottom	3	2	28.96	8.22	21.66	81	5.53	9.6	5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR5	12:16:15	1.0	Surface	1	1	29.03	8.14	17.74	84.8	5.91	2.6	5.3
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR5	12:16:32	4.1	Bottom	3	1	29.05	8.12	17.82	85	5.92	2.6	3.8
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR5	12:16:06	4.1	Bottom	3	1	29.05	8.12	19.2	85.1	5.89	2.7	5.7
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR5	12:16:23	4.1	Bottom	3	2	28.91	8.12	19.27	85.5	5.92	2.7	6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10A	10:06:08	1.0	Surface	1	1	28.4	8.31	21.98	89.6	6.17	3.3	5.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10A	10:06:37	1.0	Surface	1	2	28.34	8.31	22.06	90.1	6.2	3.1	5.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10A	10:06:25	3.4	Middle	2	1	28	8.27	23	86.2	5.94	3.7	5.5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10A	10:05:57	3.4	Middle	2	2	28.07	8.28	22.77	85.1	5.87	3.8	3.9
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10A	10:06:16	5.7	Bottom	3	1	28.07	8.28	23.33	88.6	6.09	4.4	6.8
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10A	10:05:47	5.7	Bottom	3	2	27.91	8.26	23.26	84.7	5.83	4.3	6.5
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10B	09:50:31	1.0	Surface	1	1	27.67	8.21	24.06	79.4	5.47	5.5	6.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10B	09:50:48	1.0	Surface	1	2	27.65	8.22	24.12	79	5.44	5.4	5.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10B	09:50:24	4.3	Bottom	3	1	27.66	8.21	24.11	79.6	5.48	5.8	5.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	SR10B	09:50:40	4.3	Bottom	3	2	27.62	8.22	24.27	79	5.44	5.5	4.6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS2	13:32:01	1.0	Surface	1	1	29.22	8.09	17.89	74.8	5.2	3.3	5.6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS2	13:31:26	1.0	Surface	1	2	29.04	8.09	18.28	72.5	5.04	3.1	4.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS2	13:31:47	4.0	Middle	2	1	28.69	8.06	19.74	73.1	5.11	5.1	4.6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS2	13:31:08	4.0	Middle	2	2	28.4	8.04	20.95	72.1	5.01	5.2	5.6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS2	13:30:52	7.0	Bottom	3	1	28.31	8.05	21.52	68.2	4.71	5.2	5.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS2	13:31:35	7.0	Bottom	3	2	28.6	8.06	21.02	71.6	4.94	5.1	5.6
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS(MF)5	10:48:20	1.0	Surface	1	1	28.75	8.18	19.71	75.3	5.21	9.3	4.8
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS(MF)5	10:47:35	1.0	Surface	1	2	28.65	8.19	20.18	75.2	5.2	8.4	5.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS(MF)5	10:47:20	6.8	Middle	2	1	28.54	8.21	20.99	75	5.18	6.7	6.4
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS(MF)5	10:48:03	6.8	Middle	2	2	28.56	8.21	20.85	74.1	5.12	7.2	6.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS(MF)5	10:47:00	12.6	Bottom	3	1	28.06	8.16	22.72	70.3	4.84	7.3	6.2
HKLR	HY/2011/03	2014-07-11	Mid-Ebb	Sunny	CS(MF)5	10:47:46	12.6	Bottom	3	2	28.01	8.16	23.63	71.1	4.88	8	5.8
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS5	17:51:29	1.0	Surface	1	1	30.35	8.57	20	120.4	8.11	9.5	4.8
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS5	17:52:16	1.0	Surface	1	2	30.47	8.58	19.87	125.5	8.44	9	5.6
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS5	17:51:20	4.3	Middle	2	1	29.9	8.5	20.51	109	7.37	12.1	6.6
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS5	17:52:05	4.3	Middle	2	2	29.97	8.51	20.46	114.1	7.71	12	5.6
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS5	17:51:12	7.6	Bottom	3	1	29.57	8.43	21.1	104.2	7.06	13.4	5.5
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS5	17:51:59	7.6	Bottom	3	2	29.75	8.47	20.78	110.8	7.51	12.7	6.7
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS(MF)6	18:02:00	1.0	Surface	1	1	29.56	8.37	20.92	92.2	6.3	7.4	5.4
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS(MF)6	18:02:16	1.0	Surface	1	2	29.46	8.35	21.12	92.2	6.26	7.8	6.9
HKLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS(MF)6	18:01:52	2.0	Bottom	3	1	29.25	8.29	21.51	91.9	6.25	9	5.4

Water Quarterly 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
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS(M)F6	18:02:07	2.0	Bottom	3	2	29.31	8.31	21.51	93.4	6.35	8.5	5.8
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS7	18:08:28	1.0	Surface	1	1	30.28	8.54	19.97	122.5	8.26	8.4	5.2
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS7	18:08:45	1.0	Surface	1	2	30.55	8.59	19.73	133	8.94	8.1	5.2
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS7	18:08:35	2.2	Bottom	3	1	30.17	8.54	20.2	126.7	8.54	9.2	6.3
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS7	18:08:20	2.2	Bottom	3	2	29.91	8.48	20.64	119.3	8.06	9.8	6.2
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS8	18:39:26	1.0	Surface	1	1	29.48	8.37	19.23	93.9	6.44	9.9	5.4
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS8	18:39:41	1.0	Surface	1	2	29.47	8.37	19.23	94	6.45	9.1	6.4
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS8	18:39:15	2.6	Bottom	3	1	29.3	8.3	21.08	95	6.47	12.3	7.2
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS8	18:39:33	2.6	Bottom	3	2	29.42	8.36	20.11	96.8	6.62	12.8	7.4
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS(M)F9	18:16:16	1.0	Surface	1	2	30.13	8.53	20.21	124.5	8.4	9.4	6
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS(M)F9	18:16:00	1.0	Surface	1	2	30.25	8.56	19.99	127.5	8.6	8.6	6.4
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS(M)F9	18:16:08	2.2	Bottom	3	1	30.03	8.52	20.31	126.4	8.54	9.5	7.4
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS(M)F9	18:15:52	2.2	Bottom	3	2	30.06	8.52	20.3	127.8	8.63	9.4	6.9
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS10	19:03:52	1.0	Surface	1	1	29.67	8.09	15.05	79.6	5.57	7.9	6.4
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS10	19:03:24	1.0	Surface	1	2	29.6	8.1	15.18	80.1	5.61	7.9	6.5
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS10	19:03:14	5.3	Middle	2	1	29.14	8.07	18.23	78	5.41	8.8	6.3
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS10	19:03:41	5.3	Middle	2	2	28.82	8.06	18.48	78	5.43	8.6	6.5
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS10	19:03:03	9.6	Bottom	3	1	28.8	8	22.59	77.8	5.3	8.7	6.6
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	IS10	19:03:34	9.6	Bottom	3	2	28.49	8.02	22.82	79.7	5.45	8.9	7.1
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR3	17:36:17	0.8	Middle	2	1	30.28	8.54	20.1	125.3	8.44	7.8	7.5
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR4	18:31:00	1.0	Surface	1	1	30.42	8.56	19.94	128	8.61	7.4	6.8
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR4	18:31:00	1.0	Surface	1	1	29.5	8.36	19.27	97.3	6.67	9.5	5.1
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR4	18:30:50	2.6	Bottom	3	1	29.45	8.36	19.22	96.8	6.64	9.1	4.1
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR4	18:31:16	1.0	Surface	1	2	29.45	8.33	19.69	97	6.64	12.2	5.2
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR4	18:31:09	2.6	Bottom	3	2	29.39	8.33	20.52	98.1	6.69	11.8	4.7
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR5	18:53:32	1.0	Surface	1	1	29.73	8	15.13	79.9	5.58	7	5.3
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR5	18:53:16	1.0	Surface	1	2	29.72	8	15.12	80.2	5.61	7.3	5.2
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR5	18:53:23	4.0	Bottom	3	1	29.72	7.99	15.94	79.2	5.53	7.3	5.9
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR5	18:53:08	4.0	Bottom	3	2	29.73	7.99	16.03	79.9	5.55	7.2	5.7
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10A	19:54:07	1.0	Surface	1	1	27.7	8.22	24.05	84	6.01	7.4	5.5
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10A	19:54:25	3.5	Middle	2	1	27.4	8.23	23.95	82.4	5.92	7	6.9
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10A	19:53:57	3.5	Middle	2	2	27.82	8.23	25.72	79.6	5.27	10.6	6
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10A	19:54:18	5.9	Bottom	3	1	27.43	8.23	25.67	72.4	5.07	9.5	5.9
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10A	19:53:46	5.9	Bottom	3	2	27.16	8.21	26.24	73.6	5.19	10.4	5.1
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10B	20:06:57	1.0	Surface	1	1	27.54	8.23	24.97	81.1	6.05	7.8	3.8
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10B	20:07:19	1.0	Surface	1	2	27.48	8.23	24.89	80.5	6.03	8.2	4.6
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10B	20:06:46	4.5	Bottom	3	1	27.37	8.23	25.87	80	5.85	8.9	6.4
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	SR10B	20:07:08	4.5	Bottom	3	2	27.07	8.22	26.66	80.2	5.86	9.3	6.2
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS2	17:36:43	1.0	Surface	1	1	29.89	7.87	14.04	72.5	5.11	7.4	5.7
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS2	17:37:11	1.0	Surface	1	2	29.67	7.87	14.47	73.1	5.13	7.4	5.5
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS2	17:37:03	4.0	Middle	2	1	29.48	7.86	15.02	71.8	5.03	7.9	5.5
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS2	17:36:26	4.0	Middle	2	2	29.55	7.86	14.92	71.4	5.01	7.7	6
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS2	17:36:08	6.9	Bottom	3	1	29.45	7.85	15.23	67	4.7	7.8	6.3
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS(M)F5	19:17:18	1.0	Surface	1	1	28.51	8.26	21.67	79	5.41	5.7	5
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS(M)F5	19:18:17	1.0	Surface	1	2	28.49	8.26	21.76	77.1	5.3	5.2	4.6
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS(M)F5	19:17:46	7	Middle	2	1	27.92	8.2	23.25	73.1	5.03	5.6	5.4
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS(M)F5	19:16:54	7	Middle	2	2	28.12	8.21	22.74	73.3	5.04	5.7	5.3
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS(M)F5	19:16:44	12.9	Bottom	3	1	28.02	8.2	23.57	71.7	4.92	5.4	6.3
HCLR	HY/2011/03	2014-07-11	Mid-Flood	Sunny	CS(M)F5	19:17:35	12.9	Bottom	3	2	27.69	8.19	24.53	72	4.94	5.6	6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS5	13:10:34	1.0	Surface	1	1	29.12	7.95	20.58	71.2	5.29	13.2	4.8
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS5	13:11:14	1.0	Surface	1	2	29.24	7.95	20.38	73	5.41	13.9	4.5
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS5	13:10:58	4.4	Middle	2	1	28.71	7.93	21.16	69.5	5.15	14.7	4.1
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS5	13:10:25	4.4	Middle	2	2	28.86	7.94	22.09	71	5.24	14.3	3.8
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS5	13:10:51	7.7	Bottom	3	1	28.67	7.92	22.99	67	5.01	14.8	5
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS5	13:10:14	7.7	Bottom	3	2	28.85	7.92	22.83	68.3	5.09	14.6	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
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS(MF)6	13:18:58	1.0	Surface	1	1	29.65	7.98	19.9	82.6	6.05	10.2	4.5
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS(MF)6	13:18:41	1.0	Surface	1	2	29.84	7.98	19.85	83.9	6.12	10.2	4.4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS(MF)6	13:18:32	2.2	Bottom	3	1	29.71	7.97	19.92	84.3	6.15	10.6	4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS(MF)6	13:18:50	2.2	Bottom	3	2	29.54	7.96	20.07	81.9	6	10.4	4.4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS7	13:24:58	1.0	Surface	1	1	29.9	8.02	18.04	73.9	5.07	5.2	3.9
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS7	13:24:44	1.0	Surface	1	2	29.76	8.02	18.11	74.3	5.1	5.1	4.1
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS7	13:24:37	2.2	Bottom	3	1	29.78	8.01	19.42	75	5.12	5.1	4.1
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS7	13:24:50	2.2	Bottom	3	2	29.65	8	19.52	73.6	5.03	5.3	3.7
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS8	13:48:44	1.0	Surface	1	1	30.08	8.02	18.73	75.3	5.13	8.5	4.6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS8	13:48:19	1.0	Surface	1	2	29.85	8.01	18.95	74.1	5.04	8.2	3.7
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS8	13:48:11	2.8	Bottom	3	1	29.68	7.99	20.23	72.9	4.98	8.4	5
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS8	13:48:28	2.8	Bottom	3	2	29.75	7.99	20.81	73.2	4.98	8.8	4.7
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS(MF)9	13:32:42	1.0	Surface	1	1	30.04	8.07	18.46	75	5.12	7.2	4.6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS(MF)9	13:33:22	1.0	Surface	1	2	30.01	8.06	18.47	76.8	5.24	7.3	4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS(MF)9	13:33:07	2.7	Bottom	3	1	29.43	7.94	19.54	74.7	5.11	7.3	4.1
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS(MF)9	13:32:30	2.7	Bottom	3	2	29.44	7.98	19.78	75.2	5.13	7.5	4.2
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS10	14:07:25	1.0	Surface	1	1	29.47	7.91	17.5	75.8	5.25	8.7	4.9
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS10	14:08:08	1.0	Surface	1	2	29.67	7.91	17.44	78.5	5.42	8.4	4.4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS10	14:07:55	5.1	Middle	2	1	28.82	7.88	19.44	72.7	5.03	10.4	4.4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS10	14:07:15	5.1	Middle	2	2	28.82	7.89	19.42	72.4	5.02	10.2	4.4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS10	14:07:00	9.1	Bottom	3	1	28.82	7.89	19.47	75.7	5.24	11.1	3.4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	IS10	14:07:45	9.1	Bottom	3	2	28.83	7.88	19.48	74.9	5.19	10.5	5.4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR3	13:01:31	0.7	Middle	2	1	29.25	7.95	20.25	79.4	5.84	14.9	4.5
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR3	13:01:36	0.7	Middle	2	2	29.27	7.95	20.24	79.1	5.82	14.8	5.3
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR4	13:42:29	1.0	Surface	1	1	30.01	8.02	18.87	76.2	5.19	5.6	5.1
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR4	13:42:15	1.0	Surface	1	2	29.97	8.02	18.88	77	5.25	5.5	5.4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR4	13:42:08	2.7	Bottom	3	1	29.97	8.03	19.11	77.5	5.28	5.6	5.3
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR4	13:42:21	2.7	Bottom	3	2	30	8.02	20.15	76.1	5.18	5.5	5.2
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR5	13:58:53	1.0	Surface	1	1	29.61	7.92	17.51	76	5.24	4.2	5.3
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR5	13:59:18	1.0	Surface	1	2	29.73	7.91	17.41	77.6	5.36	4.9	4.6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR5	13:59:06	3.8	Bottom	3	1	29.31	7.91	18.51	76.3	5.27	5.5	5.7
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR5	13:58:43	3.8	Bottom	3	2	29.17	7.92	18.13	74.8	5.2	5.5	4.8
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10A	14:46:04	1.0	Surface	1	1	29.64	8.01	18.85	76.6	5.66	4.6	5.7
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10A	14:46:33	1.0	Surface	1	2	29.4	8	19.71	75.2	5.56	4.5	4.9
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10A	14:45:54	3.2	Middle	2	1	29.01	8	20.27	74.6	5.54	4.7	6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10A	14:46:24	3.2	Middle	2	2	29	8	20.15	74.1	5.5	4.4	5.9
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10A	14:46:13	5.4	Bottom	3	1	29.05	7.99	21.7	75.7	5.58	4.5	5.3
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10A	14:45:44	5.4	Bottom	3	2	29.1	8	20.29	75.2	5.57	4.7	7
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10B	14:57:02	1.0	Surface	1	1	29.15	7.99	20.24	75.2	5.57	5.4	5.5
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10B	14:56:45	1.0	Surface	1	2	29.12	7.99	20.28	74.9	5.55	5.6	5.8
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10B	14:56:33	3.7	Bottom	3	1	29.14	7.99	20.24	75	5.56	5.4	5.1
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	SR10B	14:56:53	3.7	Bottom	3	2	29.09	7.99	20.35	74.7	5.54	5.5	6.2
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS2	12:44:52	1.0	Surface	1	1	30.04	8.18	16.45	88.6	6.13	2	4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS2	12:45:36	1.0	Surface	1	2	29.96	8.08	16.46	83.9	5.8	2.2	6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS2	12:45:20	3.9	Middle	2	1	28.83	8.07	19.02	77.3	5.35	3.1	4.6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS2	12:44:30	3.9	Middle	2	2	29.31	8.28	17.84	77.8	5.38	3	4
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS2	12:44:21	6.7	Bottom	3	1	29.37	8.38	17.5	74	5.14	2.5	3.6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS2	12:45:12	6.7	Bottom	3	2	28.77	8.08	19.59	73.4	5.1	2.8	3.8
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS(MF)5	14:22:40	1.0	Surface	1	1	29.39	7.99	19.8	70.6	5.24	10.2	6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS(MF)5	14:22:01	1.0	Surface	1	2	29.37	7.98	19.81	71.6	5.31	10.2	5.9
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS(MF)5	14:21:46	6.0	Middle	2	1	28.41	7.97	21.94	68.4	5.07	10.3	6
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS(MF)5	14:22:26	6.0	Middle	2	2	28.06	7.98	23.15	66.8	5.11	10.4	7.1
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS(MF)5	14:21:31	11.0	Bottom	3	1	28.23	7.95	24.15	65.7	4.93	10.1	7.1
HCLR	HY/2011/03	2014-07-14	Mid-Ebb	Sunny	CS(MF)5	14:22:14	11.0	Bottom	3	2	27.95	7.96	24.85	63.8	4.8	10.1	6
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS5	07:46:22	1.0	Surface	1	1	29.24	7.97	19.23	80.5	5.95	7.2	6.8
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS5	07:45:49	1.0	Surface	1	2	29.24	7.97	19.27	80.5	5.95	7.3	5.9
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS5	07:45:40	4.4	Middle	2	1	29.23	7.96	19.57	79.6	5.88	7.4	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
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS5	07:46:10	4.4	Middle	2	29.22	7.96	19.63	78.9	5.83	7.5	7.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS5	07:46:00	7.7	Bottom	3	29.22	7.96	20.17	80	5.89	7.5	7.6	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS5	07:45:31	7.7	Bottom	3	29.22	7.95	19.72	81.1	5.98	7.5	7	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS(MF)6	07:37:26	1.0	Surface	1	29.28	7.93	17.84	79	5.88	5.5	5.1	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS(MF)6	07:37:41	1.0	Surface	1	29.27	7.94	18.08	78.6	5.84	5.4	5.5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS(MF)6	07:37:19	2.3	Bottom	3	29.27	7.93	18.25	78.9	5.87	5.7	6	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS(MF)6	07:37:31	2.3	Bottom	3	29.27	7.93	18.16	78.7	5.85	5.4	7	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS7	07:31:05	1.0	Surface	1	29.25	7.93	18.46	80.1	5.94	5.5	5.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS7	07:30:48	1.0	Surface	1	29.25	7.93	18.46	81	6	5.5	6	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS7	07:30:39	2.1	Bottom	3	29.26	7.93	18.42	81.3	6.02	5.5	6.5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS7	07:30:55	2.1	Bottom	3	29.23	7.93	18.51	80.5	5.97	5.5	5.3	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS8	07:08:22	1.0	Surface	1	29.25	7.86	17.46	73.6	5.52	7.6	7.1	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS8	07:08:41	1.0	Surface	1	29.26	7.87	17.45	73.6	5.51	7.4	7.6	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS8	07:08:29	3.1	Bottom	3	29.23	7.86	17.72	73.6	5.51	7.8	7.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS8	07:08:12	3.1	Bottom	3	29.2	7.86	17.85	73.6	5.51	8.2	7.5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS(MF)9	07:23:34	1.0	Surface	1	29.23	7.94	18.85	81.6	6.03	5.5	5.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS(MF)9	07:23:49	1.0	Surface	1	29.22	7.94	18.86	81.7	6.04	5.4	6.1	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS(MF)9	07:23:26	2.8	Bottom	3	29.22	7.93	18.96	81.7	6.02	5.7	6.6	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS(MF)9	07:23:40	2.8	Bottom	3	29.22	7.94	18.96	81.4	6.02	5.5	6.3	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS10	07:31:04	1.0	Surface	1	28.61	7.91	19.59	73.6	5.12	10.3	5.7	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS10	07:30:21	1.0	Surface	1	28.64	7.91	19.58	74.9	5.2	9.7	5.1	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS10	07:30:05	5.1	Middle	2	28.11	7.88	22.19	73.6	5.08	12.2	6.2	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS10	07:30:51	5.1	Middle	2	28.11	7.88	22.22	72.9	5.02	12.2	5.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS10	07:30:41	9.2	Bottom	3	28.15	7.87	22.19	70.9	4.9	13.4	5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	IS10	07:29:52	9.2	Bottom	3	28.14	7.87	22.18	71.3	4.93	13.8	4.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR3	07:50:58	0.8	Middle	2	29.25	7.95	19.16	82.7	6.1	6.1	5.5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR3	07:51:06	0.8	Middle	2	29.25	7.96	19.16	82.8	6.11	6.4	5.7	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR4	07:13:50	1.0	Surface	1	29.32	7.86	17.06	75.3	5.64	6.5	4.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR4	07:13:32	1.0	Surface	1	29.3	7.85	17.11	75.7	5.66	6.5	4.1	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR4	07:13:39	2.8	Bottom	3	29.29	7.85	17.31	75.5	5.65	6.7	4.5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR5	07:39:44	1.0	Surface	1	28.63	7.9	19.69	75.3	5.22	9.1	6.1	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR5	07:39:17	1.0	Surface	1	28.66	7.9	19.61	76	5.28	9.4	5.3	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR5	07:38:52	4.0	Bottom	3	28.16	7.88	22.09	72.1	4.98	11.2	5.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR5	07:39:25	4.0	Bottom	3	28.26	7.87	22.2	74.5	5.13	10.5	5.3	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10A	06:10:07	1.0	Surface	1	28.53	7.93	19.43	68.7	5.18	4.1	3.2	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10A	06:10:38	1.0	Surface	1	27.89	7.95	19.41	67.8	5.05	4.2	3.6	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10A	06:10:00	3.3	Middle	2	28.24	7.93	21.14	68	5.11	4.2	3.3	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10A	06:10:29	3.3	Middle	2	27.66	7.95	23.68	67.3	5.01	4.1	4.1	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10A	06:10:20	5.5	Bottom	3	27.81	7.93	24.93	66.1	4.96	4.2	2.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10A	06:09:52	5.5	Bottom	3	28.47	7.9	23.66	68.9	5.1	4.2	4	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10B	06:00:38	1.0	Surface	1	28.79	7.93	19.26	70.5	5.29	4.1	3.3	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10B	06:00:14	1.0	Surface	1	28.47	7.94	19.77	69.7	5.24	4.2	3.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10B	06:00:24	4.0	Bottom	3	28.25	7.93	22.27	69.2	5.17	4.2	3.2	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	SR10B	06:00:05	4.0	Bottom	3	28.31	7.9	23.26	70.4	5.23	4.1	3.3	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS2	08:52:08	1.0	Surface	1	28.9	7.92	17.12	79	5.54	9.1	2.5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS2	08:51:33	1.0	Surface	1	29.02	7.92	17.07	79.9	5.59	9.5	3.5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS2	08:52:00	3.8	Middle	2	28.63	7.89	20.53	77.9	5.39	10.7	2.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS2	08:51:20	3.8	Middle	2	28.52	7.89	20.7	76.1	5.27	11.6	3.1	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS2	08:51:07	6.6	Bottom	3	28.44	7.87	21.1	77.6	5.36	12.9	4.4	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS(MF)5	06:37:56	1.0	Surface	1	29.06	7.95	18.39	68.9	5.14	4.8	3.6	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS(MF)5	06:37:13	1.0	Surface	1	29	7.95	18.47	68.6	5.12	4.8	2.5	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS(MF)5	06:37:44	6.4	Middle	2	26.87	7.98	26.14	67.6	5.08	5.8	2.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS(MF)5	06:37:03	6.4	Middle	2	27.21	7.97	25.76	62.9	4.72	5.04	2.6	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS(MF)5	06:36:49	11.7	Bottom	3	26.76	7.95	27.38	62.9	4.72	5.6	3.8	
HCLR	HY/2011/03	2014-07-14	Mid-Flood	Sunny	CS(MF)5	06:37:32	11.7	Bottom	3	26.77	7.96	27.34	63.3	4.79	5.7	2.7	

Water Quarterly 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	2014-07-16	Mid-Ebb	Sunny	IS5	15:00:18	1.0	Surface	1	1	29.64	8.04	19.63	74.9	5.48	8.8	6.7
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS5	14:59:38	1.0	Surface	1	2	29.65	8	19.71	76.6	5.54	8.8	6.6
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS5	14:59:26	4.3	Middle	2	1	29.41	7.98	20.15	74	5.37	8.8	6.7
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS5	15:00:14	4.3	Middle	2	2	29.28	7.98	20.32	70.1	5.11	8.7	6
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS5	14:59:13	7.5	Bottom	3	1	29.35	7.98	20.84	76.6	5.54	8.6	6.9
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS5	15:00:06	7.5	Bottom	3	2	29.1	7.97	20.86	70.2	5.12	8.7	6.8
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS(MF)6	15:08:41	1.0	Surface	1	1	30.2	8.08	18.38	82.5	5.62	5.8	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS(MF)6	15:08:53	1.0	Surface	1	2	30.03	8.05	18.47	81.2	5.54	5.6	3.5
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS(MF)6	15:08:28	2.2	Bottom	3	1	29.99	8.03	19.48	82.2	5.58	5.9	3.7
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS(MF)6	15:08:46	2.2	Bottom	3	2	30.18	8.08	19.46	84	5.69	5.6	2.4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS7	15:17:50	1.0	Surface	1	1	30.51	8.11	17.63	90.9	6.18	5.5	4.3
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS7	15:17:38	1.0	Surface	1	2	30.41	8.1	17.68	89.8	6.12	5.4	4.1
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS7	15:17:30	2.2	Bottom	3	1	30.25	8.08	17.81	89.2	6.09	5.4	2.7
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS7	15:17:43	2.2	Bottom	3	2	30.57	8.11	17.61	90.5	6.15	5.5	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS8	15:47:41	1.0	Surface	1	1	30.01	8.05	18.36	84.3	5.76	8.6	4.1
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS8	15:47:52	1.0	Surface	1	2	30.06	8.06	18.29	83.2	5.68	8.7	4.5
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS8	15:47:46	3.1	Bottom	3	1	30.28	8.07	19.49	85.5	5.78	8.8	2.9
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS8	15:47:35	3.1	Bottom	3	2	30.31	8.09	19.38	89.2	6.03	8.9	4.1
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS(MF)9	15:27:52	1.0	Surface	1	1	30.3	8.07	17.72	83.5	5.7	5.8	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS(MF)9	15:27:31	1.0	Surface	1	2	30.43	8.1	17.7	87.6	5.97	5.7	2.3
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS(MF)9	15:27:20	2.4	Bottom	3	1	30.25	8.06	18.61	84.8	5.76	5.9	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS(MF)9	15:27:43	2.4	Bottom	3	2	29.97	8.03	18.86	85.1	5.8	5.6	2.4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS10	15:44:34	1.0	Surface	1	1	29.96	7.99	17.63	80.3	5.75	10.3	3
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS10	15:45:19	1.0	Surface	1	2	30.27	8	17.46	84.1	5.99	10.2	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS10	15:44:24	5.3	Middle	2	1	29.01	7.96	19.72	80.7	5.76	10.5	2.7
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS10	15:45:05	5.3	Middle	2	2	29.16	7.96	19.51	78.7	5.63	10.2	3.1
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS10	15:44:50	9.6	Bottom	3	1	28.86	7.95	21.43	74.8	5.38	10.6	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	IS10	15:44:16	9.6	Bottom	3	2	29.11	7.95	21.23	76.1	5.48	10.4	2.4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR3	14:50:20	0.6	Middle	2	1	29.82	8.03	19.6	73.4	5.99	6.8	5.4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR4	14:50:26	0.6	Middle	2	2	29.82	8.03	19.61	73.5	6.01	6.9	5.5
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR4	15:34:19	1.0	Surface	1	1	30.68	8.08	17.53	88.5	6.01	7.3	4.4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR4	15:34:05	1.0	Surface	1	2	30.64	8.08	17.56	89.5	6.08	7.3	3.8
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR4	15:34:14	2.5	Bottom	3	1	30.66	8.08	17.54	88.7	6.02	7.4	4.2
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR4	15:34:00	2.5	Bottom	3	2	30.68	8.09	17.54	90.6	6.15	7.2	3.6
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR5	15:33:18	1.0	Surface	1	1	29.56	7.99	18.41	82.8	5.93	5.9	2.7
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR5	15:33:39	1.0	Surface	1	2	29.74	7.99	18.1	83.3	5.96	5.7	4.1
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR5	15:33:09	4.0	Bottom	3	1	29.47	7.99	18.88	83.9	6	5.8	2.5
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR5	15:33:28	4.0	Bottom	3	2	29.45	7.98	19.28	83.2	5.95	5.8	2.5
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10A	16:57:28	1.0	Surface	1	1	29.29	8.07	20.96	76.1	5.51	3.5	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10A	16:57:37	1.0	Surface	1	2	29.2	8.06	21.05	76.6	5.54	3.2	3.8
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10A	16:57:28	3.1	Middle	2	1	29.09	8.05	21.29	76.4	5.53	3.2	4.1
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10A	16:58:05	3.1	Middle	2	2	29.05	8.06	21.32	72.1	5.24	3.2	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10A	16:57:13	5.2	Bottom	3	1	29.15	8.06	21.33	78	5.64	3.4	4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10A	16:57:57	5.2	Bottom	3	2	28.86	8.05	21.63	77.7	5.02	3.3	4.1
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10B	17:05:44	1.0	Surface	1	1	26.83	8.06	26.44	76.3	5.19	6.5	2.6
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10B	17:06:05	1.0	Surface	1	2	27.27	8.07	25.95	78	5.29	6.5	3.7
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10B	17:05:55	4.1	Bottom	3	1	26.95	8.06	27.49	77	5.21	6.3	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	SR10B	17:05:39	4.1	Bottom	3	2	26.97	8.05	27.94	76.6	5.18	6.4	3.3
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS2	14:16:55	1.0	Surface	1	1	29.76	8.17	18.34	82.2	5.88	8.3	3.4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS2	14:17:28	1.0	Surface	1	2	29.51	8.1	18.49	81.1	5.77	8.2	2.2
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS2	14:17:16	4.0	Middle	2	1	28.46	8.07	21.61	76.4	5.5	8.6	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS2	14:16:38	4.0	Middle	2	2	28.6	8.16	21.68	74.7	5.36	8.6	3
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS2	14:17:04	7.0	Bottom	3	1	28.86	8.1	22.27	72.4	5.22	8.8	3
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS2	14:16:23	7.0	Bottom	3	2	28.41	8.22	22.59	70.8	5.1	8.7	2.5
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS(MF)5	16:28:49	1.0	Surface	1	1	29.09	8.03	19.98	76.4	5.88	6.4	4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS(MF)5	16:29:27	1.0	Surface	1	2	29.3	8.04	19.86	78.2	5.99	6.6	5.4
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS(MF)5	16:28:38	6.1	Middle	2	1	27.92	7.99	23.01	72	5.59	6.4	4.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS(MF)5	16:29:13	6.1	Middle	2	2	28.16	8	22.85	79.4	5.4	6.5	3
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS(MF)5	16:28:26	11.2	Bottom	3	1	27.41	7.99	26.57	76.8	5.15	6.6	4.9
HKLR	HY/2011/03	2014-07-16	Mid-Ebb	Sunny	CS(MF)5	16:29:03	11.2	Bottom	3	2	26.9	7.98	27.83	76.1	5.83	6.4	4.6
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS5	10:11:24	1.0	Surface	1	1	29.68	7.93	18.61	74.1	5.08	8.7	5.3
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS5	10:10:46	1.0	Surface	1	1	29.7	7.88	18.54	76.8	5.27	8.8	5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS5	10:11:10	4.4	Middle	2	1	29.53	7.89	19.22	71.3	5.29	8.9	5.1
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS5	10:10:23	4.4	Middle	2	2	29.59	7.89	19.03	71.6	5.11	8.9	3.8
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS5	10:10:58	7.8	Bottom	3	1	29.61	7.89	19.13	75.5	5.17	9	4.5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS5	10:10:11	7.8	Bottom	3	2	29.55	7.89	19.31	73.8	5.05	8.5	4.2
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS(MF)6	09:59:39	1.0	Surface	1	1	29.72	7.94	17.79	78.4	5.4	5	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS(MF)6	09:59:21	1.0	Surface	1	2	29.72	7.93	17.7	77.7	5.35	5.4	3.5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS(MF)6	09:59:30	2.3	Bottom	3	1	29.72	7.93	17.87	75.1	5.33	5.1	3.4
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS(MF)6	09:59:07	2.3	Bottom	3	2	29.72	7.93	17.84	78.2	5.38	5.5	3.1
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS7	09:48:55	1.0	Surface	1	1	29.67	7.92	17.99	75.7	5.21	5.3	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS7	09:49:21	1.0	Surface	1	2	29.67	7.92	17.82	72.1	5.35	5.4	4
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS7	09:48:43	2.2	Bottom	3	1	29.66	7.92	18.21	75.6	5.2	5.4	3.4
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS7	09:48:23	2.2	Bottom	3	2	29.69	7.79	17.8	71.4	5.09	5.5	4.5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS8	09:20:44	1.0	Surface	1	1	29.58	7.79	17.09	73.9	5.12	8.5	2.1
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS8	09:19:32	1.0	Surface	1	2	29.58	7.89	16.84	77.1	5.65	8.5	2.1
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS8	09:20:31	3.1	Bottom	3	1	29.57	7.68	17.12	75.4	5.92	8.3	2.1
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS8	09:19:23	3.1	Bottom	3	2	29.6	7.89	17.9	77.3	5.64	8.4	2.2
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS(MF)9	09:40:55	1.0	Surface	1	1	29.67	7.86	17.97	77.6	5.04	5.4	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS(MF)9	09:40:10	1.0	Surface	1	2	29.52	7.89	18.39	71.2	5.09	5.5	2.9
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS(MF)9	09:39:57	2.8	Bottom	3	1	29.51	7.88	18.74	71.6	5.02	5.1	4.5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS(MF)9	09:40:38	2.8	Bottom	3	2	29.67	7.78	17.99	72.8	5.07	5.6	4.6
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS10	09:11:19	1.0	Surface	1	1	29.41	7.96	15.69	78.8	5.74	10.3	2.7
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS10	09:10:48	1.0	Surface	1	2	29.35	7.96	15.78	79.2	5.69	10.1	4.1
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS10	09:11:07	5.5	Middle	2	1	28.71	7.91	19.68	78.9	5.67	10.2	3.7
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS10	09:10:37	5.5	Middle	2	2	28.69	7.91	20.33	77.7	5.66	10.2	2.6
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS10	09:10:27	9.9	Bottom	3	1	28.83	7.9	20.39	75.8	5.47	10.6	2.7
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	IS10	09:11:00	9.9	Bottom	3	2	28.92	7.9	20.41	76.1	5.51	10.5	3.8
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR3	10:17:45	0.6	Middle	2	1	29.71	7.94	18.53	77.8	5.34	6.9	5.2
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR3	10:17:42	0.6	Middle	2	2	29.71	7.94	18.53	77.6	5.33	6.9	5.6
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR4	09:31:42	1.0	Surface	1	1	29.57	7.85	17.12	77.1	5.65	7.5	5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR4	09:32:08	1.0	Surface	1	2	29.6	7.83	17.69	73.9	5.11	7.6	5.8
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR4	09:31:34	2.8	Bottom	3	1	29.58	7.85	17.13	77.1	5.65	7.5	5.4
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR4	09:31:47	2.8	Bottom	3	2	29.49	7.74	18.83	76.9	5.56	7.7	5.6
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR5	09:19:51	1.0	Surface	1	1	29.28	7.93	16.31	79.4	5.78	6.5	3.2
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR5	09:19:28	1.0	Surface	1	2	29.41	7.93	15.87	82.4	5.99	6.6	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR5	09:19:41	3.9	Bottom	3	1	29	7.88	20.14	80.6	5.78	6.4	2.7
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR5	09:19:19	3.9	Bottom	3	2	29.32	7.9	18.46	82.5	5.93	6.6	3
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10A	08:14:44	1.0	Surface	1	1	29.17	7.86	18.61	73.6	5.4	3.1	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10A	08:14:11	1.0	Surface	1	2	29.23	7.84	18.35	73.9	5.42	3.1	2.4
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10A	08:14:34	3.3	Middle	2	1	29.03	7.86	19.16	72.7	5.34	3.3	3
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10A	08:13:56	3.3	Middle	2	2	29.09	7.85	18.95	72.7	5.33	3.4	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10A	08:13:45	5.6	Bottom	3	1	28.76	7.85	19.57	74.8	5.28	3.6	2.5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10A	08:14:25	5.6	Bottom	3	2	28.91	7.85	19.8	72.6	5.32	3.3	3.3
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10B	08:07:28	1.0	Surface	1	1	26.7	7.91	25.52	73.7	5.03	6.1	4.2
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10B	08:07:51	1.0	Surface	1	2	27.2	7.9	24.61	74.4	5.07	6.2	3
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10B	08:07:38	4.3	Bottom	3	1	26.72	7.9	27.81	73.8	5	6.4	3.9
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	SR10B	08:07:21	4.3	Bottom	3	2	26.57	7.9	27.45	74.7	5.08	6.4	2.8
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS2	10:43:11	1.0	Surface	1	1	29.38	7.93	16.2	75.5	5.5	10.1	4.1
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS2	10:43:48	1.0	Surface	1	2	29.19	7.93	16.14	73.8	5.33	10.2	2.9
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS2	10:43:41	3.9	Middle	2	1	28.85	7.89	19.63	72.7	5.31	10.3	2.7
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS2	10:42:59	3.9	Middle	2	2	28.95	7.89	19	73.2	5.43	10.2	2.5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS2	10:42:49	6.7	Bottom	3	1	28.87	7.87	19.87	73.2	5.3	10.7	3.3
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS2	10:43:27	6.7	Bottom	3	2	28.85	7.88	19.83	71.5	5.18	10.6	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	2014-07-16	Mid-Flood	Sunny	CS(MF)5	08:45:43	1.0	Surface	1	1	29.4	7.86	17.39	71.2	5.25	6.7	2.9
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS(MF)5	08:46:32	1.0	Surface	1	2	29.42	7.87	17.39	77.1	5.02	6.9	2.5
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS(MF)5	08:46:13	6.4	Middle	2	1	27.16	7.88	25.23	75.3	5.13	6.9	2.9
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS(MF)5	08:45:17	6.4	Middle	2	2	26.83	7.89	25.25	71.7	5.89	6.4	2.7
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS(MF)5	08:45:06	11.7	Bottom	3	1	26.44	7.88	28.1	72.9	5.95	6.5	3.6
HKLR	HY/2011/03	2014-07-16	Mid-Flood	Sunny	CS(MF)5	08:45:58	11.7	Bottom	3	2	26.49	7.84	28.12	73.3	5.66	6.2	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS5	09:57:20	1.0	Surface	1	1	29.05	8.11	19.27	5.45	4.7	4.2	4.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS5	09:58:07	1.0	Surface	1	2	29.02	8.12	19.48	79.3	5.48	5.1	3.9
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS5	09:57:44	4.2	Middle	2	1	28.32	8.11	23.27	75	5.08	7.7	3.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS5	09:56:59	4.2	Middle	2	2	28.3	8.09	24.09	74.5	5.05	8	5.1
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS5	09:56:52	7.3	Bottom	3	1	28.42	8.07	24.5	73.6	4.99	7.4	3.3
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS5	09:57:35	7.3	Bottom	3	2	28.32	8.09	24.13	73.3	4.96	7	4.5
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS(MF)6	09:46:30	1.0	Surface	1	1	29.25	8.06	20.34	84.6	5.79	7.5	3.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS(MF)6	09:46:50	1.0	Surface	1	2	29.34	8.07	20.34	86.9	5.94	7	4.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS(MF)6	09:46:37	2.1	Bottom	3	1	29.18	8.04	20.89	94.4	5.76	8.4	4.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS(MF)6	09:46:23	2.1	Bottom	3	2	29.11	8.02	20.91	83.8	5.73	8.9	4.7
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS7	09:38:21	1.0	Surface	1	1	28.94	8.11	19.52	92.9	6.42	2.5	3.4
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS7	09:38:37	1.0	Surface	1	2	28.92	8.09	19.57	94.9	6.52	2.5	3.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS7	09:38:30	2.1	Bottom	3	1	28.93	8.08	19.74	92.4	6.38	3.6	3.6
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS7	09:38:11	2.1	Bottom	3	2	28.9	8.09	19.7	91.9	6.35	3.3	3.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS8	09:13:20	1.0	Surface	1	1	29.32	8.15	19.78	95.4	6.54	2.7	4.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS8	09:13:31	1.0	Surface	1	2	29.3	8.15	19.8	95.4	6.54	2.6	4.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS8	09:13:26	2.6	Bottom	3	1	29.31	8.15	19.84	95.2	6.53	2.7	2.5
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS8	09:13:11	2.6	Bottom	3	2	29.29	8.15	19.86	95.3	6.54	2.6	2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS(MF)9	09:31:02	1.0	Surface	1	1	28.94	8.06	19.56	93.9	6.49	2.8	2.7
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS(MF)9	09:31:18	1.0	Surface	1	2	28.91	8.07	19.61	93.1	6.43	2.6	3.4
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS(MF)9	09:31:11	2.3	Bottom	3	1	28.94	8.06	19.77	93.1	6.43	3.2	2.8
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS(MF)9	09:30:55	2.3	Bottom	3	2	28.95	8.04	19.76	93.6	6.46	3.4	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS10	09:07:10	1.0	Surface	1	1	28.92	8.06	15.41	75.3	5.32	4.7	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS10	09:06:35	1.0	Surface	1	2	28.87	8.04	16.52	75	5.27	4.7	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS10	09:06:23	5.3	Middle	2	1	28.09	7.98	21.03	74.6	5.14	5.7	1.6
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS10	09:06:58	5.3	Middle	2	2	28.02	7.97	21.09	74.3	5.11	5.7	2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS10	09:06:13	9.6	Bottom	3	1	27.98	7.95	23.17	70.1	4.87	5.6	2.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	IS10	09:06:50	9.6	Bottom	3	2	27.97	7.95	23.21	70.2	4.89	5.8	3.4
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR3	10:07:32	0.7	Middle	2	1	29.04	8.12	19.25	82.7	5.71	4.4	3.8
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR3	10:07:40	0.7	Middle	2	2	29.01	8.12	19.33	82.4	5.7	4.2	3.6
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR4	09:20:39	1.0	Surface	1	1	29.07	8.14	19.56	90.1	6.21	4.5	3.6
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR4	09:20:24	1.0	Surface	1	2	29.04	8.09	19.81	88	6.06	5.1	3.1
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR4	09:20:31	2.7	Bottom	3	1	29.06	8.11	19.85	89.2	6.14	5	4.4
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR5	09:15:37	1.0	Surface	1	1	28.96	8.03	19.96	89.2	6.14	5.2	4
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR5	09:15:19	1.0	Surface	1	2	28.96	8.03	15.59	82.3	5.81	1.5	2.5
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR5	09:15:11	3.8	Bottom	3	1	28.91	8.01	18.24	82.2	5.73	1.5	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR5	09:15:28	3.8	Bottom	3	2	28.86	8	18.28	82.5	5.75	1.5	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10A	07:56:31	1.0	Surface	1	1	28.59	7.29	20.26	81.8	5.67	0.9	2.5
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10A	07:55:57	1.0	Surface	1	2	28.5	7.29	20.25	79.5	5.52	0.9	2.7
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10A	07:56:20	3.3	Middle	2	1	28.29	7.26	22.35	78.4	5.39	1.1	2.7
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10A	07:55:50	3.3	Middle	2	2	28.25	7.27	22.51	77.6	5.33	1.2	2.4
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10A	07:55:41	5.6	Bottom	3	1	28.23	7.28	22.65	78.1	5.37	1.1	3
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10A	07:55:12	5.6	Bottom	3	2	28.08	7.25	22.68	79.4	5.46	1	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10B	07:41:04	1.0	Surface	1	1	28.08	7.23	22.78	75.8	5.22	1.6	2.3
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10B	07:40:45	1.0	Surface	1	2	28.08	7.24	22.74	75.7	5.21	1.5	2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10B	07:40:37	4.1	Bottom	3	1	28.08	7.23	22.79	75.6	5.2	2	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	SR10B	07:40:55	4.1	Bottom	3	2	28.08	7.25	22.8	75.7	5.21	2.1	3.1
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS2	10:33:40	1.0	Surface	1	1	29.13	8.06	14.34	80.5	5.62	2.2	2.6
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS2	10:34:10	1.0	Surface	1	2	29.16	8.05	14.35	81.5	5.77	2.2	3.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS2	10:33:59	4.0	Middle	2	1	28.74	8.01	16.3	80.9	5.52	2.5	3.1

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	2014-07-21	Mid-Ebb	Fine	CS2	10:33:30	4.0	Middle	2	2	28.58	8.01	16.81	78.1	5.38	2.4	2.7
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS2	10:33:21	7.0	Bottom	3	1	28.16	7.92	22.61	74.2	5.24	2.5	2.8
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS2	10:33:52	7.0	Bottom	3	2	28.76	7.96	21.88	80.6	5.51	2.4	2.6
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS(MF)5	08:37:24	1.0	Surface	1	1	28.79	7.88	17.7	79.3	5.55	2.4	2.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS(MF)5	08:36:49	1.0	Surface	1	2	28.67	7.84	17.78	78.2	5.36	2.3	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS(MF)5	08:36:37	6.7	Middle	2	1	28.21	7.79	20.97	77.2	5.34	3	2.8
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS(MF)5	08:37:08	6.7	Middle	2	2	28.16	7.83	20.68	75.3	5.13	2.8	3.2
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS(MF)5	08:36:29	12.4	Bottom	3	1	27.68	7.75	25.2	74.1	5.14	2.5	2.4
HKLR	HY/2011/03	2014-07-21	Mid-Ebb	Fine	CS(MF)5	08:37:02	12.4	Bottom	3	2	28.07	7.79	24.9	72.6	5.05	2.8	3.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS5	14:22:25	1.0	Surface	1	1	29.5	8.17	20.82	96.1	6.53	4.5	3.7
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS5	14:23:01	1.0	Surface	1	2	29.45	8.18	20.88	93.1	6.33	5	3.6
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS5	14:22:10	4.2	Middle	2	1	29.27	8.12	21.48	90.1	6.13	5.5	3.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS5	14:22:53	4.2	Middle	2	2	29.23	8.14	21.59	89.3	6.07	5.8	4.9
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS5	14:21:54	7.4	Bottom	3	1	29.1	8.09	21.73	88.1	6	6	3.8
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS5	14:22:42	7.4	Bottom	3	2	29.14	8.12	21.7	88.8	6.04	5.8	4.8
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS(MF)6	14:32:16	1.0	Surface	1	1	29.44	8.2	20.25	107.2	7.32	3	3.8
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS(MF)6	14:32:32	1.0	Surface	1	2	29.39	8.19	20.27	103	7.03	3.3	2.3
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS(MF)6	14:32:23	2.2	Bottom	3	1	29.32	8.16	21.41	105.7	7.19	4.2	4.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS(MF)6	14:32:03	2.2	Bottom	3	2	29.41	8.17	21.21	103.9	7.06	4	2.6
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS7	14:39:50	1.0	Surface	1	1	29.5	8.27	20.32	101.2	6.9	6.8	4.5
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS7	14:39:33	1.0	Surface	1	2	29.44	8.25	20.38	103	7.03	7.6	3.4
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS7	14:39:40	2.2	Bottom	3	1	29.24	8.21	21.76	101	6.86	7.3	5.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS7	14:39:26	2.2	Bottom	3	2	29.48	8.25	21.51	105.1	7.12	7.1	5.6
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS8	15:10:01	1.0	Surface	1	1	29.56	8.2	18.62	96.3	6.62	5.3	4.4
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS8	15:09:34	1.0	Surface	1	2	29.48	8.17	18.71	95.2	6.55	5.6	3.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS8	15:09:43	2.5	Bottom	3	1	29.27	8.17	19.09	94.8	6.53	7.6	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS8	15:09:26	2.5	Bottom	3	2	29.33	8.14	19.03	94.7	6.52	7.3	3
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS(MF)9	14:50:44	1.0	Surface	1	1	30.08	8.28	19.46	111.4	7.56	3.4	2.6
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS(MF)9	14:50:23	1.0	Surface	1	2	30.01	8.27	19.87	112.1	7.59	3.6	3.4
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS(MF)9	14:50:16	2.3	Bottom	3	1	29.98	8.26	20.33	111.6	7.55	5.5	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS(MF)9	14:50:34	2.3	Bottom	3	2	29.99	8.26	20.32	111	7.51	5.3	3.4
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS10	15:44:09	1.0	Surface	1	1	29.8	8.14	13.19	85.4	6.02	5.2	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS10	15:44:43	1.0	Surface	1	2	29.42	8.1	14.98	83.5	5.76	5.2	2.7
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS10	15:44:33	5.3	Middle	2	1	27.86	8.01	22.39	76	5.34	5.5	3.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS10	15:43:45	5.3	Middle	2	2	28.09	8.02	22.26	74.8	5.15	5.5	3.9
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS10	15:44:24	9.6	Bottom	3	1	27.59	7.99	24.21	71.2	4.92	5.6	3
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	IS10	15:44:24	9.6	Bottom	3	2	27.72	7.99	24.21	71.2	4.93	5.5	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR3	14:07:39	0.8	Middle	2	1	29.53	8.04	20.62	103	7.01	3.8	2.8
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR3	14:07:32	0.8	Middle	2	2	29.53	7.98	20.6	102.9	7	3.8	5
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR4	15:01:17	1.0	Surface	1	1	29.55	8.17	18.84	93.3	6.41	13.9	4.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR4	15:01:32	1.0	Surface	1	2	29.53	8.17	18.91	92.5	6.35	13.4	5
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR4	15:01:10	2.6	Bottom	3	1	29.55	8.17	18.85	93.5	6.42	15.9	5.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR4	15:01:25	2.6	Bottom	3	2	29.52	8.17	18.93	92.7	6.36	16.6	6
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR5	15:32:45	1.0	Surface	1	1	29.14	8.12	16.28	86.1	6.04	4.8	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR5	15:32:59	1.0	Surface	1	2	29.04	8.12	15.11	85.6	6.05	4.8	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR5	15:32:37	4.3	Bottom	3	1	28.78	8.06	20.73	86.4	5.95	4.9	3
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR5	15:32:52	4.3	Bottom	3	2	28.93	8.07	20.78	85.7	5.88	4.7	2.4
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10A	16:17:59	1.0	Surface	1	1	28.44	8.09	21.83	76.3	5.25	1	2.5
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10A	16:17:15	1.0	Surface	1	2	28.4	8.09	21.85	77.1	5.31	1.1	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10A	16:16:48	3.4	Middle	2	1	27.81	8.08	24.44	75.3	5.13	1.7	2.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10A	16:17:38	3.4	Middle	2	2	27.82	8.09	24.33	74.9	5.06	1.7	2.6
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10A	16:17:30	5.8	Bottom	3	1	27.98	8.09	24.45	70.9	4.86	1.8	2.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10A	16:16:40	5.8	Bottom	3	2	27.98	8.08	25	71.8	4.92	1.9	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10B	16:32:10	1.0	Surface	1	1	28.65	8.14	20.69	76.6	5.29	1.2	2.9
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10B	16:31:45	1.0	Surface	1	2	28.52	8.11	21.37	76.1	5.24	1	2.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10B	16:31:29	4.3	Bottom	3	1	27.91	8.1	24.33	73.8	5.06	2	3.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	SR10B	16:31:56	4.3	Bottom	3	2	27.93	8.1	24.2	73.2	5.02	1.9	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	2014-07-21	Mid-Flood	Fine	CS2	14:11:51	1.0	Surface	1	1	29.76	8.2	13.05	81.2	5.59	3.5	3.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS2	14:12:27	1.0	Surface	1	2	29.79	8.27	12.96	77.6	5.48	3.4	2.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS2	14:11:36	4.0	Middle	2	1	28.13	8.19	21.97	77.1	5.45	3.3	2.2
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS2	14:12:12	4.0	Middle	2	2	28.12	8.09	21.45	76.6	5.28	3.3	2.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS2	14:11:19	7.0	Bottom	3	1	27.89	8.26	23.38	69.5	4.8	3.3	2.7
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS2	14:12:01	7.0	Bottom	3	2	27.91	8.11	23.22	69.4	4.81	3.5	3.1
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS(M)F5	15:44:45	1.0	Surface	1	1	29.48	8.19	19.06	87.7	6.02	1.7	3.3
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS(M)F5	15:44:00	1.0	Surface	1	2	29.48	8.18	19.03	87.5	6.01	1.5	2.4
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS(M)F5	15:43:42	6.8	Middle	2	1	27.9	8.07	23.69	74.6	5.13	2.6	3.4
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS(M)F5	15:44:27	6.8	Middle	2	2	27.98	8.07	23.6	78.4	5.39	2.4	3.9
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS(M)F5	15:43:30	12.6	Bottom	3	1	27.57	8.07	24.6	69.6	4.79	2.4	2.6
HKLR	HY/2011/03	2014-07-21	Mid-Flood	Fine	CS(M)F5	15:44:13	12.6	Bottom	3	2	27.66	8.08	24.37	69.5	4.91	2.3	3.6
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS5	12:19:20	1.0	Surface	1	1	30.17	8.19	17.7	88.1	6.03	3.2	3.2
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS5	12:20:01	1.0	Surface	1	2	30.25	8.21	17.33	88.2	6.04	5.6	4.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS5	12:19:00	4.2	Middle	2	1	29.08	8.11	24.54	78.7	5.21	5.7	3.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS5	12:19:42	4.2	Middle	2	2	29.06	8.12	24.8	78.5	5.19	5.7	4.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS5	12:18:49	7.3	Bottom	3	1	29.07	8.12	26.59	76.8	5.1	5.8	4.2
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS5	12:19:32	7.3	Bottom	3	2	29.09	8.11	26.54	77	5.11	5.8	4.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS(M)F6	12:10:23	1.0	Surface	1	1	30.48	8.19	19.72	93.6	6.3	6.4	4.7
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS(M)F6	12:10:09	1.0	Surface	1	2	30.52	8.19	19.71	92.9	6.25	6.5	4.5
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS(M)F6	12:10:14	2.1	Bottom	3	1	30.19	8.14	21.45	94	6.3	6.6	4.4
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS(M)F6	12:09:59	2.1	Bottom	3	2	30.15	8.13	21.59	91.5	6.13	6.6	4.4
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS7	12:01:26	1.0	Surface	1	1	29.92	8.13	20.28	89.3	6.05	8.7	5
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS7	12:01:48	1.0	Surface	1	2	29.88	8.13	20.52	90.8	6.14	8.7	5.7
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS7	12:01:34	2.0	Bottom	3	1	29.89	8.13	20.61	91.4	6.18	8.9	6.8
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS7	12:01:18	2.0	Bottom	3	2	29.84	8.11	20.65	89.9	6.09	8.7	5.9
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS8	11:37:05	1.0	Surface	1	1	29.92	8.09	19.51	90	6.12	8.4	5.4
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS8	11:37:25	1.0	Surface	1	2	29.68	8.07	19.69	83.4	5.69	8.2	4.6
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS8	11:37:16	3.1	Bottom	3	1	28.93	8	21.56	84.2	5.76	8.5	6
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS8	11:36:56	3.1	Bottom	3	2	29.65	8.06	21.63	90.1	6.08	8.4	4.6
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS(M)F9	11:53:16	1.0	Surface	1	1	30.03	8.1	19.67	93	6.31	7.4	4.6
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS(M)F9	11:53:31	1.0	Surface	1	2	30.05	8.11	19.65	92.8	6.29	7.3	6.2
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS(M)F9	11:53:22	2.8	Bottom	3	1	30.03	8.1	19.85	93.3	6.32	7.5	6.8
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS(M)F9	11:53:07	2.8	Bottom	3	2	30.03	8.09	19.95	94.1	6.37	7.6	7.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS10	12:25:35	1.0	Surface	1	1	30.32	8.2	17.23	99.8	6.82	3.4	3.3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS10	12:25:42	1.0	Surface	1	2	30.31	8.21	17.24	99.9	6.84	3.5	3.3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS10	11:43:38	1.9	Middle	2	1	30.4	8.08	18.33	97.9	6.64	9.5	2.7
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS10	11:43:25	1.9	Middle	2	2	30.4	8.1	18.3	98.7	6.7	9.1	2.4
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS10	11:43:18	2.8	Bottom	3	1	30.37	8.09	18.44	99.4	6.75	9.4	3.6
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	IS10	11:43:30	2.8	Bottom	3	2	30.38	8.09	18.42	98.5	6.69	9.5	4.2
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR3	10:13:15	1.0	Middle	2	1	29.43	7.32	17.64	92.4	6.4	4.2	4.2
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR3	10:13:48	1.0	Middle	2	2	29.43	7.34	17.63	92.4	6.4	4.1	4.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR4	10:13:05	1.0	Surface	1	1	29.3	7.31	18.23	91.6	6.34	1.4	6.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR4	10:13:38	1.0	Surface	1	2	29.33	7.33	18.07	91.5	6.34	1.6	6.3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR4	10:12:54	5.3	Bottom	3	1	29.32	7.3	18.22	92	6.36	1.5	6.6
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR4	10:13:27	5.3	Bottom	3	2	29.28	7.32	18.6	91.7	6.33	1.5	6.4
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR5	10:07:34	1.0	Surface	1	1	28.85	7.23	20.68	86.5	5.95	2.5	2.8
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR5	10:07:20	1.0	Surface	1	2	28.83	7.23	20.71	87.4	6.01	2.6	3.7
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR5	10:07:14	4.1	Bottom	3	1	28.83	7.23	20.76	88	6.05	2.5	3.3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR5	10:07:25	4.1	Bottom	3	2	28.84	7.23	20.7	86.9	5.98	2.4	4.2
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10A	10:55:57	1.0	Surface	1	1	29.52	7.62	16.39	83.9	5.84	6.1	2.7
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10A	10:56:36	1.0	Surface	1	2	29.53	7.71	16.24	82.8	5.77	5.9	2.8
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10A	10:55:39	6.9	Middle	2	1	28.58	7.45	19.54	73.7	5.09	6.2	3.2
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10A	10:56:23	6.9	Middle	2	2	29.03	7.58	19.94	76.1	5.16	5.9	3.2
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10A	10:55:27	12.7	Bottom	3	1	27.46	7.41	27.5	73.3	5.06	7.3	3.3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10A	10:56:12	12.7	Bottom	3	2	27.46	7.49	27.35	69.6	4.79	7.5	3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10B	17:02:25	1.0	Surface	1	1	30.68	7.9	20.29	132.9	8.88	8.2	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	2014-07-23	Mid-Ebb	Sunny	SR10B	17:01:19	1.0	Surface	1	2	30.75	7.67	20.28	130.7	8.73	8.4	3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10B	17:00:58	4.4	Bottom	3	1	29.28	7.28	22.81	79.1	5.34	8.5	3.9
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	SR10B	17:02:02	4.4	Bottom	3	2	29.19	7.42	23.02	78.4	5.3	8.5	3.3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS2	17:00:44	1.0	Surface	1	1	28.65	7.2	24.26	78.5	5.33	8.5	3.4
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS2	17:01:44	1.0	Surface	1	1	28.67	7.31	24.15	79.2	5.36	8.5	3.6
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS2	17:07:00	1.5	Middle	2	1	30.93	8.35	20.24	146	9.73	5.5	3.5
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS2	17:07:20	1.5	Middle	2	2	30.92	8.38	20.27	142.6	9.5	5.3	2.3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS2	17:07:07	1.9	Bottom	3	1	30.36	8.25	21.37	138.7	9.27	5.5	2.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS2	17:06:47	1.9	Bottom	3	2	30.71	8.29	20.68	144.3	9.63	5.5	2.3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS(MF)5	17:14:26	1.0	Surface	1	1	31.07	8.34	20.14	125	8.31	5.8	3
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS(MF)5	17:14:44	1.0	Surface	1	2	31.04	8.39	20.16	132.3	8.8	5.9	2.7
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS(MF)5	17:14:33	1.1	Middle	2	1	29.81	8.3	21.97	130.3	8.76	5.8	2.5
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS(MF)5	17:14:19	1.1	Middle	2	2	29.75	8.28	22.05	131.1	8.82	5.7	2.9
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS(MF)5	17:37:31	1.1	Bottom	3	1	30.39	8.37	17.52	127.3	8.68	9.4	2.1
HKLR	HY/2011/03	2014-07-23	Mid-Ebb	Sunny	CS(MF)5	17:38:08	1.1	Bottom	3	2	30.54	8.37	17.46	131.7	8.96	9.7	2.4
HKLR	HY/2011/03	2014-07-23	Mid-Flood	Sunny	IS5	17:37:59	1.0	Surface	1	1	30.69	8.3	19.18	131.8	8.87	9.6	4.6
HKLR	HY/2011/03	2014-07-23	Mid-Flood	Sunny	IS5	17:37:21	1.0	Surface	1	2	30.41	8.35	19	128.3	8.68	9.6	5.5
HKLR	HY/2011/03	2014-07-23	Mid-Flood	Sunny	IS5	17:22:03	1.8	Middle	2	1	30.73	8.39	19.38	133.6	8.97	6.6	4.1
HKLR	HY/2011/03	2014-07-23	Mid-Flood	Sunny	IS5	17:22:23	1.8	Middle	2	2	30.66	8.39	19.17	132.4	8.91	6.6	4
HKLR	HY/2011/03	2014-07-23	Mid-Flood	Sunny	IS5	17:21:53	2.6	Bottom	3	1	30.76	8.35	20.3	131.8	8.8	6.5	5
HKLR	HY/2011/03	2014-07-23	Mid-Flood	Sunny	IS5	17:22:11	2.6	Bottom	3	2	30.61	8.33	20.37	132.5	8.87	6.6	5.2
HKLR	HY/2011/03	2014-07-23	Mid-Flood	Sunny	IS(MF)6	16:50:11	1.0	Surface	1	1	30.69	7.56	20.44	145.1	9.69	4.7	3.8
HKLR	HY/2011/03	2014-07-23	Mid-Flood	Sunny	IS(MF)6	16:50:18	1.0	Surface	1	2	30.64	7.55	20.53	144.6	9.67	4.5	4.5
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS5	12:57:56	1.0	Surface	1	1	30.2	8.23	19.53	101.5	6.86	7.8	6.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS5	12:58:41	1.0	Surface	1	2	30.13	8.31	19.63	103	6.95	7.6	6.2
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS5	12:57:47	4.5	Middle	2	1	30	8.11	19.54	91.8	6.21	8.7	7.5
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS5	12:58:27	4.5	Middle	2	2	29.9	8.26	20.25	91.4	6.18	8.9	6.8
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS5	12:58:10	8.0	Bottom	3	1	29.26	8.15	24.5	86.1	5.81	10.8	8
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS5	12:57:34	8.0	Bottom	3	2	29.41	7.86	23.39	86.1	5.77	10.7	8.1
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS(MF)6	12:49:12	1.0	Surface	1	1	29.99	8.37	18.56	112.5	7.65	12.3	7.3
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS(MF)6	12:48:35	1.0	Surface	1	2	29.96	8.32	18.46	111.8	7.61	12	7.2
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS(MF)6	12:48:27	2.4	Bottom	3	1	30	8.26	18.35	108.1	7.37	13.7	6.9
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS(MF)6	12:49:03	2.4	Bottom	3	2	29.99	8.31	18.99	109.7	7.45	13.9	6.4
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS7	12:40:37	1.0	Surface	1	1	29.98	8.36	18.49	113.7	7.74	11.7	5.9
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS7	12:40:12	1.0	Surface	1	2	29.94	8.27	18.5	109.9	7.48	11.6	5.6
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS7	12:40:01	2.4	Bottom	3	1	30	8.14	18.32	105.7	7.21	12.1	5.6
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS7	12:40:28	2.4	Bottom	3	2	29.99	8.28	18.89	108.4	7.37	12.4	6.6
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS8	12:18:51	1.0	Surface	1	1	29.87	8.27	18.23	100.3	6.84	10.4	5.8
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS8	12:18:17	1.0	Surface	1	2	29.88	8.28	18.2	103.4	7.06	10.2	4.9
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS8	12:17:56	2.6	Bottom	3	1	29.6	8.05	20.55	95.9	6.37	12.9	5.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS8	12:18:38	2.6	Bottom	3	2	29.74	8.17	19.6	95.9	6.52	13.1	5.6
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS(MF)9	12:34:32	1.0	Surface	1	1	29.91	8.3	17.71	109.9	7.52	10.2	4.2
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS(MF)9	12:35:05	1.0	Surface	1	2	29.88	8.32	17.96	108.9	7.44	10.5	4
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS(MF)9	12:34:18	2.4	Bottom	3	1	29.82	8.17	18.74	101.6	6.94	13.3	4.1
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS(MF)9	12:34:49	2.4	Bottom	3	2	29.83	8.23	19.23	104.3	7.1	13.6	3.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS10	12:17:49	1.0	Surface	1	1	30	8.2	15.56	90.8	6.15	5.8	3
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS10	12:18:55	1.0	Surface	1	2	29.91	8.2	15.71	93.1	6.46	5.8	3.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS10	12:17:36	5.3	Middle	2	1	29.05	8.15	18.48	82.1	5.7	6.3	2.4
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS10	12:18:40	5.3	Middle	2	2	29.45	8.16	18.26	86.8	5.88	6.6	3.1
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS10	12:17:27	9.6	Bottom	3	1	29.11	8.13	22.75	77.7	5.36	6.6	3
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	IS10	12:18:04	9.6	Bottom	3	2	28.56	8.11	24.23	85.4	5.78	6.6	3.3
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR3	13:10:20	0.8	Middle	2	1	30.19	8.33	19.75	108.7	7.33	3.2	3.2
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR3	13:10:24	0.8	Middle	2	2	30.18	8.34	19.58	109.9	7.4	7	3.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR4	12:29:08	1.0	Surface	1	1	29.9	8.32	18.42	109.5	7.46	10.4	3.9
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR4	12:28:17	1.0	Surface	1	2	29.91	8.3	18.21	108.4	7.4	10.7	4.5
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR4	12:28:09	2.4	Bottom	3	1	29.86	8.24	19.06	103	7.01	14.5	5.2
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR4	12:28:55	2.4	Bottom	3	2	29.85	8.24	19.1	104.8	7.14	14.8	4.5

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	2014-07-25	Mid-Ebb	Sunny	SRS	12:26:14	1.0	Surface	1	1	29.71	8.19	15.82	91.4	6.37	3.7	2.6
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SRS	12:26:40	1.0	Surface	1	2	29.99	8.22	15.6	98.7	6.85	3.6	2.8
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SRS	12:26:24	4.3	Bottom	3	1	29.52	8.17	17.99	92.5	6.39	3.5	2.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SRS	12:26:05	4.3	Bottom	3	2	29.49	8.16	18.02	90.9	6.28	3.6	2.9
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10A	11:02:06	1.0	Surface	1	1	29.08	7.24	19.78	92.6	6.34	1.5	3.5
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10A	11:01:24	1.0	Surface	1	2	29.11	7.23	20.06	92.3	6.33	1.5	2.9
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10A	11:01:55	3.3	Middle	2	1	29.05	7.23	20.26	91.7	6.28	1.5	3
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10A	11:01:14	3.3	Middle	2	2	28.96	7.22	20.18	91.7	6.29	1.5	2.9
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10A	11:00:51	5.5	Bottom	3	1	29.21	7.22	20.3	91.7	6.29	1.7	3
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10A	11:01:36	5.5	Bottom	3	1	28.89	7.21	20.44	91.5	6.27	1.6	2.4
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10B	10:49:08	1.0	Surface	1	1	29.18	7.23	19.39	93.2	6.4	1.5	3.6
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10B	10:48:12	1.0	Surface	1	2	29.21	7.2	19.2	91.7	6.29	1.6	3.1
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10B	10:48:00	4.6	Bottom	3	1	28.96	7.21	20.3	89.6	6.15	1.7	4.2
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	SR10B	10:48:58	4.6	Bottom	3	2	29.03	7.21	20.22	90.7	6.22	1.7	4.8
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS2	13:46:50	1.0	Surface	1	1	30.04	8.17	16.26	89.3	6.17	6.5	2.8
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS2	13:46:21	1.0	Surface	1	2	30.07	8.17	16.24	88.2	6.09	6.6	2.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS2	13:46:11	4.0	Middle	2	1	29.42	8.15	18.23	88.2	5.75	6.6	2.5
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS2	13:46:39	4.0	Middle	2	2	29.44	8.15	18.14	86.2	5.95	6.4	2.2
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS2	13:45:58	7.0	Bottom	3	1	29.3	8.12	20.53	86.5	5.91	6.3	2.3
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS2	13:46:31	7.0	Bottom	3	2	29.6	8.14	19.74	90.3	6.17	6.6	2.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS(MF)5	11:39:49	1.0	Surface	1	1	29.19	7.87	18.28	88.2	6.08	5.4	4.4
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS(MF)5	11:38:35	1.0	Surface	1	2	29.27	7.42	18.29	88.1	6.08	5.7	4.4
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS(MF)5	11:39:23	6.7	Middle	2	1	28.95	7.63	19.71	83.8	5.61	5.7	4.2
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS(MF)5	11:38:18	6.7	Middle	2	2	29.05	7.32	18.8	83.8	5.78	5.7	2.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS(MF)5	11:37:58	12.4	Bottom	3	1	28.46	7.21	20.69	74.9	5.18	6.8	4.7
HKLR	HY/2011/03	2014-07-25	Mid-Ebb	Sunny	CS(MF)5	11:38:56	12.4	Bottom	3	2	28.37	7.44	22.19	75.5	5.17	6.5	4
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS5	18:01:34	1.0	Surface	1	1	30.84	8.43	18.71	132.2	8.87	9.6	5
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS5	18:02:31	1.0	Surface	1	2	30.78	8.49	18.67	132.8	8.91	9.8	5.2
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS5	18:02:21	4.6	Middle	2	1	30.55	8.43	19.29	121.5	8.17	11.7	3.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS5	18:01:26	4.6	Middle	2	2	30.51	8.37	18.98	120.1	8.08	11.3	4.2
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS5	18:02:06	8.2	Bottom	3	1	29.79	8.29	20.73	108.8	7.33	13.3	5.1
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS5	18:01:13	8.2	Bottom	3	2	29.62	8.16	21.16	106.3	7.18	13.5	6
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS(MF)6	18:13:56	1.0	Surface	1	1	30.24	8.42	19.07	124.9	8.43	9.4	6.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS(MF)6	18:13:13	1.0	Surface	1	2	30.28	8.42	18.93	124.3	8.4	9.7	6.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS(MF)6	18:13:34	2.4	Bottom	3	1	30.16	8.45	19.44	122.1	8.25	10.2	6.1
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS(MF)6	18:13:01	2.4	Bottom	3	2	30.18	8.42	19.29	118.7	8.03	10.4	5.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS7	18:22:49	1.0	Surface	1	1	30.27	8.49	19.05	126.4	8.53	16	6.6
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS7	18:23:29	1.0	Surface	1	2	30.3	8.5	19	128.4	8.67	15.9	5.8
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS7	18:23:21	2.4	Bottom	3	1	30.29	8.49	19.3	126.7	8.56	18.2	6.5
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS7	18:22:39	2.4	Bottom	3	2	30.22	8.47	19.41	124.4	8.41	18.4	6.5
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS8	18:51:18	1.0	Surface	1	1	29.9	8.46	18.17	126.5	8.62	18	6.7
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS8	18:51:26	1.0	Surface	1	2	29.89	8.45	18.15	125.5	8.57	17.6	7.2
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS8	18:50:55	2.6	Bottom	3	1	30.04	8.45	18.36	124.5	8.5	23.3	6.3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS8	18:51:22	2.6	Bottom	3	2	30	8.47	18.16	123.9	8.46	23.1	7.1
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS(MF)9	18:31:43	1.0	Surface	1	1	30.34	8.53	18.97	132.8	8.96	11.8	5.8
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS(MF)9	18:31:06	1.0	Surface	1	2	30.35	8.5	18.94	131.8	8.89	11.6	5.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS(MF)9	18:30:53	2.4	Bottom	3	1	30.34	8.36	19.23	129.4	8.74	14.8	5.3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS(MF)9	18:31:33	2.4	Bottom	3	2	30.4	8.52	19.12	131.2	8.85	15	4.8
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS10	19:04:32	1.0	Surface	1	1	30.2	8.21	16.13	95.1	6.56	5.7	3.3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS10	19:05:26	1.0	Surface	1	2	30.17	8.21	16.18	94.6	6.52	6	4.3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS10	19:04:13	5.3	Middle	2	1	29.35	8.11	18.72	75.5	5.12	6.5	3.7
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS10	19:05:09	5.3	Middle	2	2	29.35	8.12	18.89	71.9	5.5	6.8	3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS10	19:04:00	9.6	Bottom	3	1	28.15	8.07	25.38	79.9	4.96	6.8	2.1
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	IS10	19:04:47	9.6	Bottom	3	2	27.86	8.11	25.8	72.8	5.03	6.9	2.7
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR3	17:49:32	0.8	Middle	2	1	30.89	8.42	18.49	147.2	9.86	7.8	5.5
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR3	17:49:29	0.8	Middle	2	2	30.99	8.41	18.49	146.1	9.79	8.1	4.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR4	18:40:11	1.0	Surface	1	1	29.96	8.48	18.55	127.7	8.69	19.4	4.2

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	2014-07-25	Mid-Flood	Sunny	SR4	18:39:40	1.0	Surface	1	2	29.97	8.48	18.55	128.2	8.72	19.1	4.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR4	18:40:00	2.4	Bottom	3	1	30.04	8.48	18.49	127.2	8.66	22.2	5.4
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR4	18:38:46	2.4	Bottom	3	2	30.08	8.47	18.48	128.2	8.72	22	5.1
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR5	18:54:43	1.0	Surface	1	1	30.19	8.21	16.02	6.77	6.77	4.5	4.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR5	18:54:17	1.0	Surface	1	2	30.2	8.18	15.63	94.4	6.53	4.6	5.5
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR5	18:54:04	4.3	Bottom	3	1	29.41	8.14	18.63	89.3	6.15	5.5	4.8
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR5	18:54:29	4.3	Bottom	3	2	29.68	8.16	18.1	94.1	6.47	5.4	4.1
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10A	20:00:17	1.0	Surface	1	1	28.78	8.22	21.46	76.9	5.25	2.9	3.1
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10A	19:59:26	1.0	Surface	1	2	28.95	8.15	20.88	77.1	5.28	3.1	2.3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10A	19:59:16	3.2	Middle	2	1	28.55	8.1	22.14	74.1	5.05	3.3	2.8
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10A	20:00:06	3.2	Middle	2	2	28.6	8.21	22.09	73.9	5.06	3.3	3.3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10A	19:59:37	5.4	Bottom	3	1	28.05	8.14	24.63	74.2	5.04	4.2	2.6
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10A	19:58:31	5.4	Bottom	3	2	27.74	7.53	24.75	73.5	5.02	3.4	3.4
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10B	20:11:08	1.0	Surface	1	1	28.93	8.25	20.68	78.7	5.37	2.7	3.3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10B	20:11:40	1.0	Surface	1	2	28.81	8.25	21.26	77.3	5.37	2.7	3.7
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10B	20:10:54	4.5	Bottom	3	1	28.54	8.2	23.05	76.8	5.23	3.2	2.2
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	SR10B	20:11:19	4.5	Bottom	3	2	28.48	8.23	23.71	77.3	5.25	3.4	3
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS2	17:36:10	1.0	Surface	1	1	30.03	8.09	14.84	89.8	6.25	4.4	3.8
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS2	17:36:39	1.0	Surface	1	2	30.03	8.09	14.67	90	6.27	4.4	3.4
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS2	17:36:31	4.0	Middle	2	1	30.04	8.09	15.36	88.9	6.17	4.4	4.7
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS2	17:35:41	7.0	Bottom	3	1	29.94	8.05	16.7	89.2	6.16	4.5	3.4
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS2	17:36:21	7.0	Bottom	3	2	30.01	8.07	16.45	89.2	6.16	4.6	3.5
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS(MF)5	19:24:06	1.0	Surface	1	1	29.36	8.27	19.26	85.8	5.88	3.1	3.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS(MF)5	19:24:55	1.0	Surface	1	2	29.27	8.28	19.21	86	5.89	3.1	3.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS(MF)5	19:23:51	6.7	Middle	2	1	29.19	8.22	19.68	77.4	5.3	3.5	3.9
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS(MF)5	19:24:41	6.7	Middle	2	2	29.3	8.24	19.66	77.9	5.33	3.9	2.6
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS(MF)5	19:23:14	12.4	Bottom	3	1	28.11	8.09	24.4	73.8	5.03	4.9	3.7
HKLR	HY/2011/03	2014-07-25	Mid-Flood	Sunny	CS(MF)5	19:24:23	12.4	Bottom	3	2	28.15	8.16	23.72	73.7	5.02	4.7	2.9
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS5	12:57:04	1.0	Surface	1	1	29.32	7.99	22.32	74.7	5.05	10.4	8.2
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS5	12:56:35	1.0	Surface	1	2	29.3	8	22.38	74	5	10.3	7.3
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS5	12:56:54	4.3	Middle	2	1	29.13	7.99	22.71	74.1	5.01	10.3	8
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS5	12:56:22	4.3	Middle	2	2	29.2	8	22.64	73.9	5	10.5	8.6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS5	12:56:08	7.5	Bottom	3	1	29.22	8.01	22.71	73	4.94	10.6	8.2
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS5	12:56:45	7.5	Bottom	3	2	29.14	7.99	22.85	73.3	4.96	10.5	7.4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS(MF)6	13:09:00	1.0	Surface	1	1	29.8	8	21.37	79.3	5.35	10.3	2.9
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS(MF)6	13:08:41	1.0	Surface	1	2	29.78	8	21.19	79.4	5.36	10.4	4.2
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS(MF)6	13:08:33	2.3	Bottom	3	1	29.79	8	22.37	80.5	5.4	10.4	2.8
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS(MF)6	13:08:48	2.3	Bottom	3	2	29.52	7.99	22.49	78.5	5.29	10.6	2.7
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS7	13:14:58	1.0	Surface	1	1	29.5	8.01	20.58	82.4	5.61	5.1	3
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS7	13:14:42	1.0	Surface	1	2	29.75	8.01	20.32	83.2	5.65	4.9	2.4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS7	13:14:50	2.2	Bottom	3	1	29.45	8	21.35	83.4	5.66	5.3	3.9
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS7	13:14:31	2.2	Bottom	3	2	29.48	8	21.33	82.9	5.62	5.5	2.5
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS8	13:36:17	1.0	Surface	1	1	29.24	7.97	21.92	76.5	5.19	8.3	3.8
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS8	13:36:32	1.0	Surface	1	2	29.25	7.96	21.66	74.5	5.05	8.1	4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS8	13:36:24	2.8	Bottom	3	1	29.08	7.94	22.44	72.4	4.92	8.2	4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS8	13:36:05	2.8	Bottom	3	2	29.22	7.97	22.03	78.8	5.35	8.4	3.9
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS(MF)9	13:21:34	1.0	Surface	1	1	30.07	8.06	20.85	90.2	6.07	5.4	5.4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS(MF)9	13:21:52	1.0	Surface	1	2	29.68	8.06	20.89	89.1	6.04	5.5	5.1
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS(MF)9	13:21:43	2.7	Bottom	3	1	29.69	8.05	20.94	90.6	6.13	5.5	5
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS(MF)9	13:21:26	2.7	Bottom	3	2	29.81	8.06	20.85	89.1	6.03	5.5	5.5
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS10	14:13:54	1.0	Surface	1	1	29.59	8.07	18.45	73.9	5.08	8.7	5.4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS10	14:15:29	1.0	Surface	1	2	29.59	8.06	18.82	73.8	5.08	8.7	4.8
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS10	14:14:54	5.0	Middle	2	1	29.26	8.07	20.38	77.9	5.64	8.9	5.3
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS10	14:13:34	5.0	Middle	2	2	29.11	8.07	20.68	77.1	5.62	8.9	5.2
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS10	14:13:19	9.0	Bottom	3	1	28.17	8.04	23.75	77.8	5.64	8.5	5.5
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	IS10	14:14:28	9.0	Bottom	3	2	28.4	8.05	24.17	73.6	5.32	8.8	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	2014-07-28	Mid-Ebb	Sunny	SR3	12:46:50	0.7	Middle	2	1	29.4	8.11	22.22	79.3	5.36	7.5	6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR3	12:46:55	0.7	Middle	2	2	29.38	8.11	22.24	78.9	5.33	7.5	5.2
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR4	13:31:05	1.0	Surface	1	1	29.32	8.01	21.03	82.7	5.63	3	3.1
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR4	13:30:50	1.0	Surface	1	2	29.37	8.01	21	81.7	5.61	3	3.8
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR4	13:30:44	2.7	Bottom	3	1	29.4	8.01	21.04	81.7	5.56	3.1	3.6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR4	13:30:38	2.7	Bottom	3	2	29.32	8.01	21.1	82.3	5.61	3	3
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR5	13:57:33	1.0	Surface	1	1	30.03	8.06	17.97	78.7	5.39	7.7	2.2
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR5	13:56:57	1.0	Surface	1	2	29.9	8.06	18.31	77.9	5.33	7.9	4.3
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR5	13:57:08	4.0	Bottom	3	1	29.62	8.04	19.61	77.3	5.28	7.4	3.8
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR5	13:56:36	4.0	Bottom	3	2	29.52	8.05	19.69	76.2	5.21	7.7	2.7
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10A	14:41:51	1.0	Surface	1	1	28.99	7.97	22.77	89.1	6.15	2.1	2.2
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10A	14:42:31	1.0	Surface	1	2	29.55	7.98	21.87	92.7	6.37	2.1	2.1
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10A	14:41:41	3.4	Middle	2	1	28.83	7.97	22.94	88.1	6.1	2.1	3.4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10A	14:42:20	3.4	Middle	2	2	29.14	7.97	22.52	89.7	6.19	2.1	2.4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10A	14:42:02	5.7	Bottom	3	1	28.59	7.96	23.62	87.8	6.08	2.1	3.1
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10A	14:41:32	5.7	Bottom	3	2	28.78	7.97	23.25	88.6	6.12	2.2	3.4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10B	14:52:00	1.0	Surface	1	1	29.15	7.96	22.47	89.9	6.2	2.1	2.6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10B	14:51:42	1.0	Surface	1	2	29.04	7.96	22.58	89.2	6.17	2.1	2.4
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10B	14:51:50	4.1	Bottom	3	1	29.02	7.96	22.82	89.5	6.18	2.3	2
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	SR10B	14:51:34	4.1	Bottom	3	2	28.97	7.96	22.92	89.1	6.15	2.1	4.1
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS2	12:32:03	1.0	Surface	1	1	29.47	8.18	19.46	75.2	5.15	5.8	4.7
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS2	12:32:58	1.0	Surface	1	2	29.32	8.15	19.85	82	5.93	5.5	3.9
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS2	12:31:37	3.6	Middle	2	1	28.5	8.18	23.99	75.3	5.43	5.5	4.3
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS2	12:32:36	3.6	Middle	2	2	28.42	8.13	24.62	74.7	5.39	5.6	5.6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS2	12:32:24	6.2	Bottom	3	1	28.41	8.13	24.75	77.9	5.6	5.7	4.8
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS2	12:31:08	6.2	Bottom	3	2	28.36	8.26	25.12	78.4	5.96	5.4	3.6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS(MF)5	14:06:59	1.0	Surface	1	1	29.19	7.94	20.84	84.4	5.87	5.5	3.7
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS(MF)5	14:06:11	1.0	Surface	1	2	29	7.95	21.49	85.2	5.92	5.6	3.5
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS(MF)5	14:06:46	6.0	Middle	2	1	28.13	7.92	24.42	78.9	5.48	7.5	6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS(MF)5	14:05:53	6.0	Middle	2	2	27.91	7.92	24.83	78.1	5.44	7.1	5.6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS(MF)5	14:05:40	10.9	Bottom	3	1	27.39	7.91	27.39	81.7	5.67	7.7	5.6
HKLR	HY/2011/03	2014-07-28	Mid-Ebb	Sunny	CS(MF)5	14:06:29	10.9	Bottom	3	2	27.55	7.91	26.86	79.7	5.52	7.1	6.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS5	07:30:36	1.0	Surface	1	1	28.9	8.02	21.07	75.6	5.18	5.7	3
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS5	07:30:10	1.0	Surface	1	2	28.9	8.01	21.07	75.8	5.17	5.8	4.8
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS5	07:29:59	4.2	Middle	2	1	28.77	7.99	21.32	75.5	5.13	6.6	4.2
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS5	07:30:25	4.2	Middle	2	2	28.8	8	21.41	72.9	5	6.4	4.7
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS5	07:29:52	7.4	Bottom	3	1	28.62	7.96	22.84	73.7	5.06	6.5	4.9
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS5	07:30:18	7.4	Bottom	3	2	28.86	8	22.67	72.7	4.98	6.6	5.9
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS(MF)6	07:22:02	1.0	Surface	1	1	28.9	8	20.31	82.1	5.66	3.5	3.7
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS(MF)6	07:22:18	1.0	Surface	1	2	28.9	8.01	20.36	82	5.65	3.5	3.8
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS(MF)6	07:21:55	2.1	Bottom	3	1	28.9	8	20.36	81.9	5.64	3.6	4.4
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS7	07:16:13	1.0	Surface	1	1	28.95	8.01	20.43	82.1	5.65	3.5	4.1
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS7	07:15:57	1.0	Surface	1	2	28.95	7.97	20.19	78.1	5.41	3.3	4.9
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS7	07:16:05	2.3	Bottom	3	1	28.95	7.98	20.34	78.5	5.39	3.5	3.3
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS7	07:15:49	2.3	Bottom	3	2	28.95	7.97	20.21	78.2	5.38	3.3	3.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS8	06:54:08	1.0	Surface	1	1	28.88	7.9	19.74	89.6	6.28	4.5	4.7
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS8	06:54:24	1.0	Surface	1	2	28.86	7.9	19.91	88.8	6.22	4.6	4.1
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS8	06:54:14	3.2	Bottom	3	1	28.86	7.89	20.8	89.4	6.24	5.7	3.8
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS8	06:53:58	3.2	Bottom	3	2	28.86	7.89	20.73	90.6	6.32	5.8	4
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS(MF)9	07:08:57	1.0	Surface	1	1	28.99	7.97	20.82	76.5	5.25	4	4.5
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS(MF)9	07:08:35	1.0	Surface	1	2	28.99	7.97	20.82	77	5.28	4.1	4.5
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS(MF)9	07:08:42	2.6	Bottom	3	1	28.99	7.97	20.91	76.7	5.26	4.1	5.8
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS(MF)9	07:08:25	2.6	Bottom	3	2	28.99	7.96	20.87	77.2	5.29	4.1	5
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS10	07:03:20	1.0	Surface	1	1	28.3	8.04	21.87	74.4	5.3	8.4	4.8
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS10	07:02:32	1.0	Surface	1	2	28.3	8.04	21.86	71.3	5.23	8.5	3.8
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS10	07:02:12	5.3	Middle	2	1	27.51	8.02	25.39	75.7	5.82	8.7	6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS10	07:03:03	5.3	Middle	2	2	27.74	8.04	22.82	76.9	5.94	8.5	5.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS10	07:02:49	9.6	Bottom	3	1	27.56	8.01	25.55	70.4	5.06	8.6	5.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	IS10	07:01:58	9.6	Bottom	3	2	27.45	8.02	25.65	77.4	5.93	8.8	4.4
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR3	07:38:25	0.7	Middle	2	1	28.92	8.02	21.02	79.7	5.46	4.3	5.3
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR3	07:38:17	0.7	Middle	2	2	28.92	8.02	21.03	79.6	5.46	4.3	5.2
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR4	06:59:31	1.0	Surface	1	1	28.92	7.91	19.63	87.3	6.12	4.4	4.2
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR4	06:59:14	1.0	Surface	1	2	28.92	7.91	19.77	88.1	6.17	4.5	3.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR4	06:59:23	2.7	Bottom	3	1	28.87	7.9	20.65	87.4	6.11	4.5	3.2
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR4	06:59:07	2.7	Bottom	3	2	28.9	7.9	20.64	89.1	6.22	4.4	4
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR5	07:12:32	1.0	Surface	1	1	28.36	8.03	21.54	74.4	5.44	7.3	3.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR5	07:12:10	1.0	Surface	1	2	28.48	8.04	20.85	74.6	5.46	7.4	3.1
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR5	07:12:21	4.0	Bottom	3	1	28.16	8.02	23.24	5.45	5.45	7.5	4.3
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR5	07:11:55	4.0	Bottom	3	2	28.07	8.02	23.28	74.4	5.42	7.5	2.9
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10A	05:56:02	1.0	Surface	1	1	28.32	7.78	23.22	79.8	5.56	3.1	2.5
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10A	05:55:31	1.0	Surface	1	2	28.37	7.77	23.46	80	5.57	2.8	3
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10A	05:55:21	3.3	Middle	2	1	27.26	7.75	26.26	79.4	5.53	3.6	4
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10A	05:55:51	3.3	Middle	2	2	27.22	7.77	26.37	79.9	5.55	3.5	3.2
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10A	05:55:07	5.5	Bottom	3	1	27.34	7.74	26.48	77.6	5.42	3.5	2.5
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10A	05:55:39	5.5	Bottom	3	2	27.5	7.76	26.43	77.8	5.43	3.6	3.7
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10B	05:49:16	1.0	Surface	1	1	26.64	7.67	27.62	72.2	5.06	4.9	3.7
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10B	05:49:35	1.0	Surface	1	2	26.71	7.68	27.49	72.4	5.07	4.4	4.4
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10B	05:49:25	4.1	Bottom	3	1	26.62	7.67	27.93	72.3	5.06	4.9	5.3
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	SR10B	05:49:08	4.1	Bottom	3	2	26.6	7.66	27.91	72.4	5.07	4.9	4.4
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS2	08:20:51	1.0	Surface	1	1	28.82	8.06	17.37	72.5	5.08	5.2	3.9
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS2	08:21:28	1.0	Surface	1	2	28.8	8.04	18.32	77.6	5.92	5.4	2.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS2	08:20:38	4.0	Middle	2	1	28.12	8.05	20.98	79.4	5.83	5.3	3.7
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS2	08:21:12	4.0	Middle	2	2	28.16	8.02	21.19	77.6	5.69	5.4	2.9
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS2	08:21:02	7.0	Bottom	3	1	28.4	8	23.19	71.9	5.92	5.5	3.3
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS2	08:20:26	7.0	Bottom	3	2	28.06	8.04	23.44	76.3	5.24	5.5	3.7
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS(MF)5	06:23:27	1.0	Surface	1	1	28.08	7.85	23.68	76.6	5.35	3.6	3.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS(MF)5	06:24:19	1.0	Surface	1	2	27.49	7.88	24.97	72.2	5.06	3.6	2.5
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS(MF)5	06:24:08	6.4	Middle	2	1	26.76	7.86	27.71	72	5.05	5.5	3.1
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS(MF)5	06:23:10	6.4	Middle	2	2	26.95	7.82	27.51	73.4	5.12	5.2	3.1
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS(MF)5	06:22:34	11.7	Bottom	3	1	26.42	7.8	29.12	71.5	4.99	5.6	3.6
HKLR	HY/2011/03	2014-07-28	Mid-Flood	Sunny	CS(MF)5	06:23:56	11.7	Bottom	3	2	26.37	7.85	29.18	70.2	4.9	5.3	3.6
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS5	13:56:45	1.0	Surface	1	1	29.6	7.7	21.62	78.7	5.28	7.5	6.4
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS5	13:57:09	1.0	Surface	1	2	29.68	7.71	21.57	78.9	5.32	7.4	6.5
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS5	13:56:37	4.2	Middle	2	1	29.36	7.69	22.86	77.3	5.23	7.5	5
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS5	13:57:01	4.2	Middle	2	2	29.45	7.69	22.54	78.5	5.27	7.4	5.5
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS5	13:56:31	7.3	Bottom	3	1	29.44	7.69	23.21	76.3	5.14	7.6	6.3
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS5	13:56:54	7.3	Bottom	3	2	29.52	7.69	23.08	76.9	5.18	7.6	7.1
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS(MF)6	14:04:20	1.0	Surface	1	1	30.15	7.86	20.99	106.1	7.13	3	1.9
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS(MF)6	14:04:06	1.0	Surface	1	2	30.39	7.84	20.86	104.9	7.03	3	2.2
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS(MF)6	14:03:59	2.2	Bottom	3	1	30.17	7.84	21.26	106.4	7.14	3.1	2.8
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS(MF)6	14:04:12	2.2	Bottom	3	2	30.13	7.83	21.33	106.2	7.13	3.2	3
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS7	14:10:34	1.0	Surface	1	1	30.6	7.86	20.63	109.7	7.33	3	4.1
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS7	14:10:21	1.0	Surface	1	2	30.65	7.87	20.58	109.8	7.33	3.2	4.4
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS7	14:10:12	2.2	Bottom	3	1	30.15	7.89	20.86	110.5	7.43	3.2	5.6
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS7	14:10:26	2.2	Bottom	3	2	30.33	7.88	20.79	109.7	7.36	3.1	5
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS8	14:32:37	1.0	Surface	1	1	29.9	7.79	20.76	89	6.01	6.6	3.9
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS8	14:32:09	3.1	Bottom	3	2	29.92	7.79	22.08	94.2	6.32	6.6	4.6
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS8	14:32:30	3.1	Bottom	3	1	29.53	7.74	22.33	92.2	6.22	6.6	4.5
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS(MF)9	14:17:34	1.0	Surface	1	1	29.7	7.85	21.07	93.1	6.3	3.6	3.4
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS(MF)9	14:17:19	1.0	Surface	1	2	29.69	7.85	21.21	93.2	6.23	3.5	3.7
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS(MF)9	14:17:25	2.6	Bottom	3	1	29.66	7.84	21.92	92.1	6.28	3.8	4.3
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS(MF)9	14:17:12	2.6	Bottom	3	2	29.66	7.85	21.4	92.7	6.27	3.7	4.4

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS10	13:45:55	1.0	Surface	1	1	29.81	7.72	21.42	86.4	5.82	4.5	2.4
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS10	13:45:59	1.0	Surface	1	2	29.81	7.72	21.43	86.3	5.83	4.6	2.6
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS10	14:26:28	1.9	Middle	2	1	30.18	7.77	20.44	88.7	5.97	5.1	3.4
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS10	14:26:12	1.9	Middle	2	2	30.2	7.76	20.48	89.8	6.04	5	2.9
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS10	14:26:04	2.7	Bottom	3	1	30.13	7.74	20.66	89.8	6.05	5	3.7
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	IS10	14:26:22	2.7	Bottom	3	2	29.98	7.73	20.8	88.6	5.98	5.1	3.7
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR3	15:42:19	1.1	Middle	2	1	29.96	7.8	22.01	89.4	5.99	1.8	6.2
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR3	15:41:47	1.1	Middle	2	2	29.8	7.8	22.22	87.6	5.88	1.8	5.3
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR4	15:42:08	1.0	Surface	1	1	29.48	7.78	22.78	87.7	5.9	1.8	4.2
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR4	15:41:38	1.0	Surface	1	2	29.4	7.78	22.88	84.8	5.71	1.9	3.5
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR4	15:41:29	5.5	Bottom	3	1	28.81	7.76	23.88	84.2	5.7	1.7	5.3
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR4	15:41:59	5.5	Bottom	3	2	28.81	7.79	22.8	88	5.91	1.7	4.7
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR5	15:51:40	1.0	Surface	1	1	29.68	7.78	22.35	89.2	6	1.3	3.3
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR5	15:52:00	1.0	Surface	1	2	29.68	7.78	22.37	89	5.98	1.3	3.6
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR5	15:51:48	3.9	Bottom	3	1	29.63	7.78	22.58	89	5.98	1.3	4.7
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR5	15:51:32	3.9	Bottom	3	2	29.68	7.79	22.5	89.2	5.99	1.4	5.1
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10A	15:14:11	1.0	Surface	1	1	30.07	7.69	20.97	75.7	5.19	3.2	2.2
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10A	15:13:29	1.0	Surface	1	2	30.18	7.7	19.97	75.9	5.18	3.3	2.1
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10A	15:13:15	6.1	Middle	2	1	28.4	7.65	25.04	75.2	5.14	3.6	3.3
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10A	15:13:54	6.1	Middle	2	2	28.25	7.63	25.02	75.2	5.15	3.8	3.3
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10A	15:13:41	11.1	Bottom	3	1	26.72	7.64	29.5	74.7	5.11	3.7	3.2
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10A	15:13:08	11.1	Bottom	3	2	26.68	7.64	29.09	73.4	5.02	3.7	3.5
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10B	09:13:07	1.0	Surface	1	1	29.53	7.7	20.61	80.3	5.46	5.7	2.6
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10B	09:13:28	4.3	Bottom	3	2	29.44	7.69	20.83	78.5	5.3	5.8	2.2
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10B	09:13:17	1.0	Surface	1	1	29.3	7.67	21.24	76.8	5.23	5.8	5.4
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	SR10B	09:12:53	4.3	Bottom	3	2	29.34	7.67	21.07	76.1	5.15	5.8	5.8
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS2	09:12:41	1.0	Surface	1	1	28.99	7.63	23.11	74.3	5.05	5.7	1.9
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS2	09:05:07	1.6	Middle	2	1	29.54	7.66	23.17	74.8	5.09	5.8	1.6
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS2	09:04:50	1.6	Middle	2	2	29.57	7.71	20.07	88.8	6.02	3.6	1.7
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS2	09:04:36	2.2	Bottom	3	1	29.54	7.71	20.36	90	6.13	3.6	2.4
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS2	09:04:59	2.2	Bottom	3	2	29.55	7.7	20.54	89.3	6.08	3.5	2
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS(MF)5	08:58:50	1.0	Surface	1	1	29.64	7.71	20.02	89.2	6.05	3	3.1
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS(MF)5	08:59:14	1.0	Surface	1	2	29.62	7.7	20.02	88.7	6.05	2.8	2.9
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS(MF)5	08:58:37	1.1	Middle	2	1	29.62	7.7	20.19	89.7	6.1	2.9	2.8
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS(MF)5	08:58:57	1.1	Middle	2	2	29.61	7.7	20.07	89.3	6.09	2.9	3.2
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS(MF)5	08:36:33	1.1	Bottom	3	1	29.33	7.61	19.84	73.5	5.04	4.2	4.8
HKLR	HY/2011/03	2014-07-30	Mid-Ebb	Sunny	CS(MF)5	08:36:17	1.1	Bottom	3	2	29.32	7.61	20	73.5	5.04	4.2	4.2
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS5	08:36:24	1.0	Surface	1	1	29.29	7.6	20.88	73.7	5.02	4.6	3
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS5	08:36:06	1.0	Surface	1	2	29.29	7.59	20.92	73.9	5.04	4.8	3.3
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS5	08:52:33	1.9	Middle	2	1	29.43	7.64	20.2	78.1	5.33	3.3	3.7
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS5	08:52:49	1.9	Middle	2	2	29.41	7.64	20.19	77.8	5.31	3.5	4
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS5	08:52:39	2.7	Bottom	3	1	29.39	7.64	20.43	77.7	5.31	3.5	4
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS5	08:52:24	2.7	Bottom	3	2	29.39	7.64	20.48	78	5.32	3.4	4
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS(MF)6	09:18:17	1.0	Surface	1	1	29.55	7.71	20.57	83.8	5.7	3	4.1
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS(MF)6	09:18:23	1.0	Surface	1	2	29.55	7.72	20.56	84.2	5.73	3.2	4
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS(MF)6	08:42:52	1.2	Bottom	3	1	29.4	7.6	19.94	74.1	5.07	4.4	4.5
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS(MF)6	08:42:42	1.2	Bottom	3	2	29.41	7.6	19.92	74.3	5.08	4.6	4.5
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS7	08:42:37	1.0	Surface	1	1	29.42	7.6	19.89	74.5	5.1	4.8	3.9
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS7	08:42:45	1.0	Surface	1	2	29.4	7.6	19.94	74.2	5.08	4.5	3.9
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS7	07:37:53	1.1	Bottom	3	1	28.93	7.68	20.83	74.5	5.21	1.8	4.2
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS7	07:38:20	1.1	Bottom	3	2	28.95	7.68	20.79	74.5	5.21	1.8	5.1
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS8	07:37:45	1.0	Surface	1	1	28.64	7.67	21.82	73.1	5.1	1.8	2.8
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS8	07:38:09	1.0	Surface	1	2	28.51	7.68	21.88	72.5	5.08	1.9	2.2
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS8	07:38:02	5.5	Bottom	3	1	28.6	7.67	24.37	73.7	5.09	3.1	3.1
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS8	07:37:36	5.5	Bottom	3	2	28.71	7.67	24	74.3	5.13	1.8	4.2
HKLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS(MF)9	07:32:08	1.0	Surface	1	1	26.88	7.67	26.86	72.7	5.01	3.6	3.4

Water Quarterly 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
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS(MF)9	07:31:45	1.0	Surface	1	2	26.86	7.67	26.65	72.5	5.02	3.6	3.7
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS(MF)9	07:31:37	4.1	Bottom	3	1	26.68	7.67	28.39	72.7	5.01	3.7	4.3
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS(MF)9	07:32:00	4.1	Bottom	3	2	26.68	7.66	28.44	72.2	4.99	3.6	4.1
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS10	08:05:45	1.0	Surface	1	1	28.99	7.53	20.43	77.7	5.37	4.1	2.4
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS10	08:05:12	1.0	Surface	1	2	28.99	7.51	20.54	79	5.46	4.4	2.7
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS10	08:05:36	6.3	Middle	2	1	27.55	7.5	27.01	78.5	5.4	4.5	2.9
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS10	08:05:00	6.3	Middle	2	2	26.97	7.48	27.53	78.7	5.41	5	3
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS10	08:05:24	11.6	Bottom	3	1	26.57	7.48	28.9	73.9	5.06	5.4	3.7
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	IS10	08:04:48	11.6	Bottom	3	2	26.59	7.46	28.85	73.1	5.03	5.3	3.8
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR3	14:47:58	1.0	Middle	2	1	30.36	8.07	16.75	86.6	5.93	3.3	4.9
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR3	14:47:16	1.0	Middle	2	2	30.42	8.07	16.75	91.2	6.24	3.2	4.1
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR4	14:47:44	1.0	Surface	1	1	28.48	8.02	22.62	79.7	5.44	6.5	5.2
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR4	14:47:33	9.3	Bottom	3	1	28.42	8.01	23.25	75.4	5.16	7.2	5.5
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR4	14:46:48	9.3	Bottom	3	2	28.45	8.01	23.08	76.1	5.2	7.6	5.7
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR5	14:40:15	1.0	Surface	1	1	30.45	8.06	16.67	96.5	6.6	2.2	2.2
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR5	14:39:45	1.0	Surface	1	2	30.44	8.06	16.72	96.8	6.62	2.2	2.3
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR5	14:39:27	3.7	Bottom	3	1	29.29	8.03	20.44	92.9	6.35	2.6	2.6
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR5	14:39:59	3.7	Bottom	3	2	29.73	8.03	20.03	94	6.39	2.6	2.8
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10A	13:27:09	1.0	Surface	1	1	29.55	8.11	18.1	88.6	5.99	4.5	2.1
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10A	13:26:27	1.0	Surface	1	2	29.57	8.11	17.91	87.4	6.03	4.7	1.9
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10A	13:26:14	3.9	Middle	2	1	28.74	8.08	22.79	83	5.66	7.3	2.4
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10A	13:26:51	3.9	Middle	2	2	28.71	8.08	23.38	87.4	6	7.2	2.1
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10A	13:26:39	6.7	Bottom	3	1	28.71	8.06	24.3	83.1	5.64	7.7	3.2
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10A	13:26:04	6.7	Bottom	3	2	28.57	8.06	24.66	79	5.36	8	2.6
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10B	08:41:01	1.0	Surface	1	1	29.15	8.04	18.95	82.2	5.69	6.7	4.7
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10B	08:41:45	1.0	Surface	1	2	29.13	8.04	18.87	82.2	5.69	7.1	4.8
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10B	08:40:45	5.3	Bottom	3	1	27.96	8.01	24.19	74.4	5.09	7.3	5.1
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	SR10B	08:41:29	5.3	Bottom	3	2	27.95	8.01	24.24	74.4	5.09	7.2	5.5
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS2	08:40:40	1.0	Surface	1	1	27.9	8.01	24.45	75.1	5.15	8.8	2.3
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS2	08:41:19	1.0	Surface	1	2	27.93	8	24.44	76.8	5.26	9.3	1.9
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS2	08:51:18	2.4	Middle	2	1	29.04	8.04	18.2	83.9	5.83	4	2.4
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS2	08:50:58	2.4	Middle	2	2	29.07	8.04	18.13	82.3	5.72	4.2	2.1
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS2	08:51:08	3.8	Bottom	3	1	28.64	8	22.74	80.3	5.69	5.2	3.8
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS2	08:50:48	3.8	Bottom	3	2	28.32	8.01	22.98	78.6	5.39	5	3
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS(MF)5	10:05:57	1.0	Surface	1	1	29.35	8	16.27	85.1	5.95	3.8	2.1
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS(MF)5	10:05:18	1.0	Surface	1	2	29.39	7.99	16.18	86	6.01	3.4	2.6
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS(MF)5	10:05:40	3.8	Middle	2	1	28.93	8.01	18.48	82.2	5.71	6.1	2.5
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS(MF)5	10:04:59	3.8	Middle	2	2	29.31	8.01	17.48	84	5.83	5.7	2.1
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS(MF)5	10:04:37	6.6	Bottom	3	1	28.39	7.98	23.14	79	5.4	6.9	2.6
HCLR	HY/2011/03	2014-07-30	Mid-Flood	Sunny	CS(MF)5	10:05:33	6.6	Bottom	3	2	28.66	7.95	22.76	83	5.66	6.5	3
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS5	14:37:57	1.0	Surface	1	1	30.4	8.02	19	103.4	6.99	5.4	5.4
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS5	14:38:28	1.0	Surface	1	2	30.43	7.93	19.01	101.3	6.85	5.3	4.7
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS5	14:37:48	4.3	Middle	2	1	30.04	7.93	21.96	99.3	6.65	5.6	4.9
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS5	14:38:18	4.3	Middle	2	2	29.94	7.96	21.8	94.1	6.32	5.9	5.7
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS5	14:38:12	7.6	Bottom	3	1	29.89	7.93	22.71	97.4	6.51	5.9	5.8
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS5	14:37:42	7.6	Bottom	3	2	30	7.9	22.49	101.3	6.78	5.5	6.8
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS(MF)6	14:46:55	1.0	Surface	1	1	30.33	8.1	21.3	121.1	8.1	8.2	3.3
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS(MF)6	14:47:13	1.0	Surface	1	2	30.66	8.18	21.09	133	8.86	7.7	3.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS(MF)6	14:46:49	2.2	Bottom	3	1	30.35	8.09	21.45	123.1	8.23	10.7	6.1
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS(MF)6	14:47:00	2.2	Bottom	3	2	30.32	8.11	21.39	122.9	8.22	10.8	5.1
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS7	14:54:32	1.0	Surface	1	1	30.27	8.16	21.53	132.2	8.85	5.2	3.8
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS7	14:54:48	1.0	Surface	1	2	30.26	8.16	21.53	138.5	9.26	4.8	3.7
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS7	14:54:27	2.4	Bottom	3	1	30.26	8.12	21.77	130.7	8.73	7.5	4.9
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS7	14:54:39	2.4	Bottom	3	2	30.25	8.14	21.69	135.7	9.06	7.1	5.4
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS8	15:21:59	1.0	Surface	1	1	29.94	8.08	21.54	89.6	6.02	9.2	5.4
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS8	15:21:41	1.0	Surface	1	2	29.7	8	21.95	84.4	5.68	8.9	5.5

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
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS8	15:21:36	2.5	Bottom	3	1	29.61	7.95	22.33	85.4	5.75	12.7	5.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS8	15:21:50	2.5	Bottom	3	2	29.56	7.93	22.43	84.4	5.68	14.3	4
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS(MF)9	15:01:01	1.0	Surface	1	1	30.97	8.24	21.17	138.8	9.2	5.4	2.3
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS(MF)9	15:01:18	1.0	Surface	1	2	30.91	8.27	21.37	134.6	8.92	6.1	2.8
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS(MF)9	15:00:54	2.7	Bottom	3	1	30.85	8.23	21.53	137.9	9.13	7	6
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS(MF)9	15:01:10	2.7	Bottom	3	2	30.61	8.2	21.77	135.1	8.97	6.8	6.3
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS10	15:50:35	1.0	Surface	1	1	29.79	8.16	16.12	87.8	6.09	2.5	1.2
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS10	15:51:23	1.0	Surface	1	2	29.68	8.15	16.8	87.1	6.04	2.3	1.1
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS10	15:50:22	5.2	Middle	2	1	28.94	8.1	21.06	76.3	5.23	3.3	2.3
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS10	15:51:09	5.2	Middle	2	2	28.9	8.1	21.11	76	5.21	3.3	2
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS10	15:50:53	9.4	Bottom	3	1	27.8	8.05	25.02	75.8	5.18	3.5	2.8
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	IS10	15:50:07	9.4	Bottom	3	2	27.81	8.05	25.01	76	5.19	3.4	3.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR3	14:24:16	0.8	Middle	2	1	30.81	8.03	18.33	110.5	7.45	4.2	1.6
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR3	14:24:22	0.8	Middle	2	2	30.76	8.04	18.58	111.2	7.5	4.2	1.9
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR4	15:13:24	1.0	Surface	1	1	30.44	7.9	20.7	109.3	7.32	4.4	2
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR4	15:13:29	2.6	Bottom	3	1	30.65	7.92	20.63	111.4	7.44	4.6	1.9
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR4	15:13:48	1.0	Surface	1	2	30.35	7.9	20.72	108.1	7.25	5	2.4
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR4	15:13:41	2.6	Bottom	3	2	30.42	7.9	20.68	110	7.37	5.3	2.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR5	15:37:57	1.0	Surface	1	1	29.9	8.18	15.63	97.7	6.79	2.2	3.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR5	15:37:43	1.0	Surface	1	2	29.7	8.18	15.5	97.6	6.81	2.1	3.7
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR5	15:37:36	3.7	Bottom	3	1	29.77	8.15	19.39	97.4	6.65	2.2	3.6
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR5	15:37:50	3.7	Bottom	3	2	29.8	8.16	18.88	97.4	6.66	2.2	3.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10A	16:16:02	1.0	Surface	1	1	30.59	8	20.62	104.2	6.97	2.3	<0.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10A	16:16:39	1.0	Surface	1	2	30.51	8.09	20.65	104.6	7	2.4	0.6
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10A	16:15:52	3.2	Middle	2	1	30.14	7.96	21.16	98.9	6.64	2.5	2.7
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10A	16:16:29	3.2	Middle	2	2	29.81	8.02	21.57	99.7	6.72	2.3	2.3
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10A	16:16:21	5.3	Bottom	3	1	29.73	8	21.72	100.3	6.76	2.3	3.6
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10A	16:15:34	5.3	Bottom	3	2	28.51	7.9	25.19	96.4	6.5	2.3	3.8
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10B	16:32:29	1.0	Surface	1	1	30.14	8.02	21.05	103.4	6.95	1.7	2.1
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10B	16:32:08	1.0	Surface	1	2	30.11	8.01	21.11	102.2	6.87	1.9	2.2
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10B	16:32:21	4.0	Bottom	3	1	29.99	8.01	21.33	102.4	6.89	2	2.2
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	SR10B	16:32:00	4.0	Bottom	3	2	29.85	7.99	21.59	101.5	6.83	2.1	2.2
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS2	14:32:10	1.0	Surface	1	1	30.15	8.25	15.16	101.5	6.48	2.3	1.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS2	14:31:40	1.0	Surface	1	2	29.8	8.26	16.48	89.7	6.22	2.2	1.2
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS2	14:31:27	4.0	Middle	2	1	29.27	8.25	20.02	90	6.09	2.2	1.3
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS2	14:31:59	4.0	Middle	2	2	29.36	8.22	18.75	88.7	6.11	2.3	2.2
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS2	14:31:09	7.0	Bottom	3	1	28.55	8.25	23.19	77.7	5.29	2.4	2.5
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS2	14:31:48	7.0	Bottom	3	2	29.41	8.21	22	82.1	5.63	2.4	2.8
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS(MF)5	15:52:52	1.0	Surface	1	1	30.04	7.89	19.59	90.2	6.12	2.5	2.7
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS(MF)5	15:51:49	1.0	Surface	1	2	30.08	7.94	19.41	89.1	6.05	2.5	2.1
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS(MF)5	15:51:26	6.5	Middle	2	1	28.23	7.87	25.05	75.8	5.14	4	2.9
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS(MF)5	15:52:30	6.5	Middle	2	2	28.22	7.82	24.85	76.3	5.18	3.7	2.6
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS(MF)5	15:52:11	12.0	Bottom	3	1	27.13	7.79	28.88	72.4	4.9	3.2	4.4
HCLR	HY/2011/03	2014-08-01	Mid-Ebb	Sunny	CS(MF)5	15:51:15	12.0	Bottom	3	2	27.03	7.83	28.77	72.1	4.88	3.3	4.8
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS5	10:05:57	1.0	Surface	1	1	29.85	8.26	20.61	103.1	6.98	4.1	2.7
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS5	10:06:21	1.0	Surface	1	2	29.75	8.13	20.5	99.4	6.74	4.3	3
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS5	10:06:15	4.3	Middle	2	1	29.48	8.1	22.04	97.7	6.59	5	2.9
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS5	10:05:47	4.3	Middle	2	2	29.51	8.16	21.9	97.1	6.56	5.1	2.6
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS5	10:05:40	7.5	Bottom	3	1	29.55	8.17	22.38	101.9	6.86	5.3	2.9
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS5	10:06:08	7.5	Bottom	3	2	29.54	8.18	22.47	103.6	6.97	5.1	3.4
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS(MF)6	09:54:59	1.0	Surface	1	1	29.92	8.38	20.25	116.1	7.86	6.2	2.2
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS(MF)6	09:54:41	1.0	Surface	1	2	29.82	8.35	20.44	115.1	7.8	5.8	2.5
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS(MF)6	09:54:34	2.3	Bottom	3	1	29.81	8.32	20.68	116.7	7.9	7.3	2.5
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS(MF)6	09:54:50	2.3	Bottom	3	2	29.79	8.33	20.75	114	7.72	8	2.6
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS7	09:49:21	1.0	Surface	1	1	30.19	8.11	20.59	102.3	6.88	10.3	3.2
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS7	09:49:02	1.0	Surface	1	2	30.14	8.07	20.62	103	6.94	10.8	3.5
HCLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS7	09:49:14	2.4	Bottom	3	1	30.09	8	20.99	100.8	6.78	15	3.5

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	2014-08-01	Mid-Flood	Sunny	IS7	09:48:57	2.4	Bottom	3	2	30.12	8.02	20.94	104.5	7.02	13.7	3.8
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS8	09:24:12	1.0	Surface	1	1	29.7	7.94	19.42	99.2	6.36	9.2	10.9
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS8	09:23:51	1.0	Surface	1	2	29.69	7.94	19.54	92.8	6.34	9.7	10.9
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS8	09:23:43	2.7	Bottom	3	1	29.67	7.93	20.06	92.8	6.32	11.8	11.8
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS8	09:24:02	2.7	Bottom	3	2	29.69	7.94	20.13	92.9	6.32	11.8	13
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS(MF)9	09:42:24	1.0	Surface	1	1	29.85	7.99	20.37	109.7	7.43	3.3	4.4
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS(MF)9	09:42:08	1.0	Surface	1	2	29.84	7.98	20.43	109.6	7.43	3.1	4.3
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS(MF)9	09:42:18	2.6	Bottom	3	1	29.8	7.97	20.68	109.5	7.41	3.5	3.6
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS(MF)9	09:42:01	2.6	Bottom	3	2	29.79	7.95	20.71	108.7	7.36	3.7	3.9
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS10	09:29:15	1.0	Surface	1	1	29.55	8.09	17.2	80.7	5.59	4.4	2.2
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS10	09:30:02	1.0	Surface	1	2	29.45	8.1	17.21	77.7	5.39	4.4	2.1
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS10	09:29:49	5.3	Middle	2	1	28.48	8.05	22.68	76.8	5.24	5.3	3.4
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS10	09:28:55	5.3	Middle	2	2	28.6	8.05	23.25	73.8	5.03	5.5	3.6
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS10	09:29:36	9.6	Bottom	3	1	27.95	8.02	24.94	70.4	4.82	5.6	4.9
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	IS10	09:28:40	9.6	Bottom	3	2	28.01	8.03	24.83	70.2	4.78	5.4	4.4
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR3	10:16:19	0.8	Middle	2	1	30.01	8.24	20.34	122	8.25	2.9	3.2
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR3	10:16:12	0.8	Middle	2	2	30.01	8.21	20.35	121.7	8.22	3	2.5
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR4	09:31:35	1.0	Surface	1	1	29.77	7.94	19.72	94.6	6.45	4.5	3.4
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR4	09:31:22	1.0	Surface	1	2	29.79	7.94	19.65	95	6.48	4.9	3.6
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR4	09:31:15	2.8	Bottom	3	1	29.79	7.93	19.66	95.2	6.48	5	4.8
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR4	09:31:28	2.8	Bottom	3	2	29.78	7.92	19.77	94.8	6.45	4.6	4.9
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR5	09:38:31	1.0	Surface	1	1	29.42	8.11	17.25	84.5	5.87	1.5	3
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR5	09:38:15	1.0	Surface	1	2	29.39	8.11	17.39	84.4	5.88	1.4	2.7
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR5	09:38:22	4.1	Bottom	3	1	29.32	8.08	20.24	84.4	5.77	1.5	5
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR5	09:38:06	4.1	Bottom	3	2	29.35	8.09	20.25	84.4	5.77	1.4	4.5
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10A	08:22:43	1.0	Surface	1	1	29.47	7.9	18.62	82	5.65	1.4	1.8
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10A	08:22:09	1.0	Surface	1	2	29.33	7.89	19.51	81.7	5.61	1.4	1.9
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10A	08:22:32	3.3	Middle	2	1	29.08	7.89	20.4	78.6	5.4	1.4	1.9
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10A	08:21:54	3.3	Middle	2	2	29.08	7.89	20.65	79.4	5.44	1.5	2.2
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10A	08:21:42	5.6	Bottom	3	1	28.91	7.88	22.32	80.3	5.47	1.3	2.8
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10A	08:22:21	5.6	Bottom	3	2	28.84	7.87	22.42	79.2	5.39	1.2	2.5
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10B	08:06:53	1.0	Surface	1	1	29.03	8.01	19.75	78.1	5.38	2.1	1.5
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10B	08:07:09	1.0	Surface	1	2	28.93	8.02	19.64	78.3	5.41	2	1.2
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10B	08:06:42	4.2	Bottom	3	1	28.56	7.98	22.29	75.6	5.18	2.2	2.6
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	SR10B	08:07:01	4.2	Bottom	3	2	28.68	8	22.2	77.9	5.33	2.4	2.7
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS2	11:00:25	1.0	Surface	1	1	29.75	8.09	15.29	82.9	5.79	3.7	2.4
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS2	10:59:44	1.0	Surface	1	2	29.67	8.09	15.68	81.8	5.7	3.7	2.4
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS2	10:59:33	4.0	Middle	2	1	29.1	8.06	20.07	80.7	5.48	3.8	2.6
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS2	11:00:10	4.0	Middle	2	2	29.12	8.07	20	78.6	5.34	3.7	2.4
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS2	10:59:58	6.9	Bottom	3	1	28.75	8.02	23.05	77	5.29	4.2	3.6
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS2	10:59:20	6.9	Bottom	3	2	28.78	8.01	23.23	77.3	5.31	4.1	3
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS(MF)5	08:51:23	1.0	Surface	1	1	29.5	8.01	19.1	82.7	5.68	1.9	1.8
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS(MF)5	08:52:13	1.0	Surface	1	2	29.49	8.01	19.12	82.7	5.68	1.7	1.7
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS(MF)5	08:51:02	6.7	Middle	2	1	28.28	7.97	23.91	78.8	5.36	1.8	1.8
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS(MF)5	08:51:51	6.7	Middle	2	2	28.26	7.97	23.96	75.7	5.17	1.8	2.4
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS(MF)5	08:51:39	12.4	Bottom	3	1	28.1	7.97	24.38	71.5	4.88	1.9	4.5
HKLR	HY/2011/03	2014-08-01	Mid-Flood	Sunny	CS(MF)5	08:50:55	12.4	Bottom	3	2	28.47	7.96	23.89	74.6	5.08	1.7	3.9
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS5	17:31:37	1.0	Surface	1	1	31.04	8.31	18.3	135.5	9.11	3.7	1.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS5	17:30:53	1.0	Surface	1	2	31.06	8.55	18.49	135.2	9.08	3.5	1.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS5	17:31:24	4.3	Middle	2	1	30.21	8.19	20.92	85.2	5.72	6.4	1.8
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS5	17:30:37	4.3	Middle	2	2	29.97	8.52	21.35	77.5	5.21	6.6	1.8
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS5	17:31:12	7.5	Bottom	3	1	26.96	8.25	30.51	77.5	5.21	6.5	1.9
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS5	17:30:27	7.5	Bottom	3	2	27.01	8.21	30.46	75.7	5.13	6.6	1.8
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS(MF)6	17:39:12	1.0	Surface	1	1	31.49	8.52	19.43	171.6	10.7	3.7	1.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS(MF)6	17:38:58	1.0	Surface	1	2	31.33	8.54	19.52	162.9	10.58	3.6	0.8
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS(MF)6	17:39:04	2.2	Bottom	3	1	31.2	8.54	19.68	169.2	10.58	4.6	1.4
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS(MF)6	17:38:49	2.2	Bottom	3	2	31.02	8.5	20.18	160.9	10.04	4.4	1.3

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	2014-08-04	Mid-Ebb	Sunny	IS7	17:44:47	1.0	Surface	1	1	31.4	8.48	19.23	173.8	10.88	3.5	4.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS7	17:44:33	1.0	Surface	1	2	31.44	8.5	19.16	174	10.91	3.5	3.8
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS7	17:44:23	2.2	Bottom	3	1	31.24	8.47	19.56	154.1	9.63	3.6	4.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS7	17:44:40	2.2	Bottom	3	2	31.26	8.47	19.48	162.4	10.14	3.6	4.6
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS8	18:08:34	1.0	Surface	1	1	30.13	8.48	19.53	139.9	9.48	8.2	4.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS8	18:08:17	1.0	Surface	1	2	30.27	8.49	19.53	143.6	9.71	8.4	4.9
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS8	18:08:26	2.9	Bottom	3	1	30.06	8.47	21.48	149.1	10.01	8.6	5.2
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS8	18:08:08	2.9	Bottom	3	2	29.97	8.47	21.58	147.3	9.89	8.6	5.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS(MF)9	17:51:27	1.0	Surface	1	1	30.7	8.49	19.55	159.2	10.03	4.8	4.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS(MF)9	17:51:46	1.0	Surface	1	2	30.62	8.51	19.67	148.3	9.3	4.8	3.8
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS(MF)9	17:51:18	2.6	Bottom	3	1	30.66	8.47	20.03	157.2	9.87	4.6	5.6
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS(MF)9	17:51:37	2.6	Bottom	3	2	30.48	8.5	21.49	158.5	9.9	4.8	5.7
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS10	18:38:57	1.0	Surface	1	1	29.87	8.3	14.55	74.6	5.55	2.4	3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS10	18:40:00	1.0	Surface	1	2	29.85	8.3	14.88	77.4	5.74	2.5	3.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS10	18:39:41	4.5	Middle	2	1	29.25	8.18	20	76.2	5.6	2.1	3.4
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS10	18:38:34	4.5	Middle	2	2	29.43	8.26	19.86	74.2	5.65	2.5	3.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS10	18:38:11	8.0	Bottom	3	1	26.76	8.12	27.67	75.8	5.44	2.4	4
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	IS10	18:39:24	8.0	Bottom	3	2	26.59	8.08	28.08	74.5	5.44	2.6	4.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR3	17:20:58	0.7	Middle	2	1	31.08	8.4	18.34	163.9	11	2.7	5.2
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR3	17:20:51	0.7	Middle	2	2	31.09	8.38	18.35	163.1	10.95	2.8	4.7
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR4	18:02:40	1.0	Surface	1	1	29.96	8.49	20.34	118.6	8.02	5.1	5.6
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR4	18:02:21	1.0	Surface	1	2	30.04	8.48	20.15	119	8.05	5.3	5.6
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR4	18:02:31	2.7	Bottom	3	1	29.82	8.47	21.32	120.9	8.15	5.6	5.9
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR4	18:02:13	2.7	Bottom	3	2	29.84	8.47	21.31	121.6	8.2	5.5	5.7
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR5	18:25:45	1.0	Surface	1	1	29.74	8.3	15.91	77.4	5.77	4.4	4.5
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR5	18:25:26	1.0	Surface	1	2	29.74	8.3	15.89	76.5	5.65	4.7	4.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR5	18:25:33	3.7	Bottom	3	1	29.83	8.28	19.39	75.3	5.63	4.3	4.8
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR5	18:25:15	3.7	Bottom	3	2	29.87	8.28	19.46	75.3	5.85	4.6	5.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10A	19:13:43	1.0	Surface	1	1	30.15	8.47	19.77	124.5	8.42	1.6	4.7
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10A	19:13:07	1.0	Surface	1	2	29.9	8.45	19.9	120.7	8.2	1.7	4.6
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10A	19:13:33	3.2	Middle	2	1	29.36	8.41	21.99	118.8	8.04	1.6	5.5
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10A	19:12:55	3.2	Middle	2	2	29.19	8.39	22.46	116.1	7.87	1.8	5.4
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10A	19:13:24	5.3	Bottom	3	1	29.23	8.4	22.45	119.1	8.06	1.6	6
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10A	19:12:42	5.3	Bottom	3	2	29.08	8.39	22.8	118.4	8.02	1.7	6.5
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10B	19:22:08	1.0	Surface	1	1	29.99	8.36	20.57	127.2	8.59	1.5	4.4
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10B	19:22:25	1.0	Surface	1	2	29.94	8.41	20.61	127.7	8.63	1.4	4.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10B	19:22:17	4.2	Bottom	3	1	29.83	8.35	21.16	127.3	8.59	1.5	6.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	SR10B	19:21:57	4.2	Bottom	3	2	29.79	8.44	21.26	126	8.5	1.5	6.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS2	17:28:49	1.0	Surface	1	1	30.84	8.31	13.95	73.2	5.43	5.4	5.3
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS2	17:27:32	1.0	Surface	1	2	31.16	8.34	13.8	75.3	5.54	5.2	4.6
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS2	17:27:09	3.5	Middle	2	1	29.3	8.29	18.2	81.2	5.97	5.5	6.2
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS2	17:28:26	3.5	Middle	2	2	29.33	8.28	18.19	78.4	5.86	5.5	6.2
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS2	17:27:54	6.0	Bottom	3	1	27.38	8.16	26.07	74.5	5.49	5.3	6.2
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS2	17:26:35	6.0	Bottom	3	2	27.62	8.2	25.41	75.9	5.57	5.2	6.1
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS(MF)5	18:40:44	1.0	Surface	1	1	30.65	8.41	18.42	134.5	9.09	2.4	5.7
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS(MF)5	18:41:43	1.0	Surface	1	2	30.65	8.44	18.56	135.3	9.14	2.3	5.6
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS(MF)5	18:41:20	6.2	Middle	2	1	27.73	8.14	26.05	135.3	9.14	2.4	6.7
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS(MF)5	18:40:21	6.2	Middle	2	2	27.53	8	26.4	82.4	5.64	2.5	6.4
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS(MF)5	18:41:04	11.3	Bottom	3	1	25.63	8.05	31.36	78.3	5.36	2.5	6.9
HKLR	HY/2011/03	2014-08-04	Mid-Ebb	Sunny	CS(MF)5	18:40:10	11.3	Bottom	3	2	25.63	7.95	31.37	74.7	5.14	2.7	6.8
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	ISS	13:45:40	1.0	Surface	1	1	30.92	8.42	19.64	138.1	9.23	6.4	6.1
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	ISS	13:46:32	1.0	Surface	1	2	30.94	8.24	19.62	135.7	9.07	6.4	5.8
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	ISS	13:45:22	4.3	Middle	2	1	29.78	8.02	22.69	79.7	5.38	6.4	6.7
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	ISS	13:46:14	4.3	Middle	2	2	29.13	7.82	23.14	80.5	5.43	6.3	6.8
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	ISS	13:45:13	7.6	Bottom	3	1	26.82	7.85	30.17	73.1	4.89	7.2	6.8
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	ISS	13:45:58	7.6	Bottom	3	2	26.82	7.76	30.23	72.8	4.92	6.2	6.8
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS(MF)6	13:37:30	1.0	Surface	1	1	31.35	8.5	19.32	171.8	11.15	3.4	6.6

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	2014-08-04	Mid-Flood	Sunny	IS(MF)6	13:37:42	1.0	Surface	1	2	30.79	8.37	19.52	158.2	10.6	3.5	6.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS(MF)6	13:36:50	2.2	Bottom	3	1	31.2	8.3	19.23	171.3	11.1	3.5	9.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS(MF)6	13:37:36	2.2	Bottom	3	2	30.29	8.39	20.95	173.6	11.64	3.5	8.9
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS7	13:30:17	1.0	Surface	1	1	31.08	8.28	19.47	162.9	10.87	3.6	5.9
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS7	13:29:59	1.0	Surface	1	2	31.07	8.25	19.45	161.9	10.81	3.6	5.2
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS7	13:29:51	2.1	Bottom	3	1	30.91	8.21	19.9	161.7	10.8	3.8	7.8
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS7	13:30:08	2.1	Bottom	3	2	30.85	8.21	20.03	162.7	10.87	3.5	7.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS8	13:06:51	1.0	Surface	1	1	29.88	7.97	19.48	118.6	8.07	4.6	4.7
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS8	13:06:36	1.0	Surface	1	2	29.81	7.96	19.59	114.5	7.8	4.5	4.2
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS8	13:06:26	3.2	Bottom	3	1	29.77	7.95	21.34	121.2	8.18	4.4	5.2
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS8	13:06:42	3.2	Bottom	3	2	29.84	7.97	20.25	117.8	7.99	4.5	5.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS(MF)9	13:23:53	1.0	Surface	1	1	30.19	8.17	20.16	145.3	9.82	4.8	5.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS(MF)9	13:23:22	1.0	Surface	1	2	30.38	8.25	19.33	146	9.78	4.6	5.1
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS(MF)9	13:23:43	2.7	Bottom	3	1	29.8	8.08	21.43	128.5	8.67	4.7	5.9
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS(MF)9	13:23:12	2.7	Bottom	3	2	30.35	8.19	20.89	130.5	8.8	4.5	4.6
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS10	12:57:12	1.0	Surface	1	1	29.61	8.22	16.89	74.5	5.45	2.4	4
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS10	12:50:26	1.0	Surface	1	2	29.71	8.28	16.13	77.4	5.54	2.4	4.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS10	12:50:59	5.3	Middle	1	1	26.8	8.07	27.37	80.1	5.82	2.3	5.1
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS10	12:50:01	5.3	Middle	2	2	27.36	8.09	25.67	76.2	5.65	2.5	4.9
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS10	12:50:47	9.5	Bottom	3	1	26.86	8.1	28.53	78.5	5.85	2.6	5.9
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	IS10	12:49:38	9.5	Bottom	3	2	26.93	8.13	28.52	74.1	5.52	2.5	5.9
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR3	13:51:02	0.8	Middle	2	1	31.07	8.44	19.46	172.2	11.49	2.7	6.7
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR3	13:51:10	0.8	Middle	1	2	31.03	8.46	19.5	173.9	11.61	2.8	7.8
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR4	13:13:27	1.0	Surface	1	1	30.02	8.01	19.5	129.2	8.77	4.5	4.6
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR4	13:13:39	1.0	Surface	1	2	30.13	8.03	19.02	128.5	8.73	4.3	4.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR4	13:13:22	2.7	Bottom	3	1	30.15	8.01	19.47	130.5	8.84	4.5	5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR4	13:13:32	2.7	Bottom	3	2	30.06	8.01	19.64	129.2	8.76	4.6	5.9
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR5	12:58:48	1.0	Surface	1	1	30.07	8.23	14.86	70.7	5.15	4.8	2.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR5	12:59:13	1.0	Surface	1	2	29.53	8.25	15.02	72.6	5.25	4.5	2.1
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR5	12:59:03	4.0	Bottom	3	1	28.9	8.18	21.8	76.8	5.65	4.4	2.6
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR5	12:58:21	4.0	Bottom	3	2	29.16	8.19	21.49	77.4	5.71	2.9	2.9
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10A	11:51:19	1.0	Surface	1	1	29.48	7.74	19.58	82.3	5.63	1.5	<0.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10A	11:51:46	1.0	Surface	1	2	28.71	7.71	21.63	79.3	5.44	1.4	<0.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10A	11:51:38	3.4	Middle	1	1	27.91	7.68	23.63	76.1	5.23	1.4	<0.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10A	11:51:11	3.4	Middle	2	2	27.98	7.7	23.06	79.2	5.45	1.4	<0.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10A	11:51:05	5.7	Bottom	3	1	25.78	7.69	25.78	83.8	5.73	1.4	2.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10A	11:51:31	5.7	Bottom	3	2	27.39	7.67	25.98	79.1	5.41	1.4	2.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10B	11:45:50	1.0	Surface	1	1	28.51	7.7	20.73	86.9	6.01	1.6	<0.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10B	11:45:36	1.0	Surface	1	2	28.68	7.7	20.96	89.1	6.14	1.6	<0.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10B	11:45:30	4.2	Bottom	3	1	28.92	7.69	23.22	90.2	6.11	1.6	1
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	SR10B	11:45:45	4.2	Bottom	3	2	28.49	7.68	23.44	87.8	5.98	1.6	1.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS2	14:06:40	1.0	Surface	1	1	30.08	8.23	13.92	74.6	5.32	5.4	1.7
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS2	14:05:45	1.0	Surface	1	2	29.98	8.22	14.58	74.6	5.69	5.6	1.7
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS2	14:06:21	4.0	Middle	2	1	27.64	8.12	22.48	75.3	5.65	5.6	2.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS2	14:05:21	4.0	Middle	2	2	28.65	8.14	20.63	73.5	5.47	5.2	2.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS2	14:05:12	7.0	Bottom	3	1	27.02	8.11	27.01	73.2	5.25	5.5	2.7
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS2	14:06:12	7.0	Bottom	3	2	27.58	8.11	26.29	71.4	5.25	5.7	2.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS(MF)5	12:21:33	1.0	Surface	1	1	30.48	7.85	18.35	87.5	5.93	4.8	<0.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS(MF)5	12:22:16	1.0	Surface	1	2	30.24	7.85	18.5	90.6	6.16	4.7	<0.5
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS(MF)5	12:21:16	6.3	Middle	1	1	27.76	7.61	27.76	75.2	5.21	5.2	0.7
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS(MF)5	12:21:57	6.3	Middle	2	2	27.17	7.63	27.25	74.4	5.11	5.2	0.7
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS(MF)5	12:21:05	11.6	Bottom	3	1	25.31	7.61	31.94	75.3	5.16	8.4	1.3
HKLR	HY/2011/03	2014-08-04	Mid-Flood	Sunny	CS(MF)5	12:21:48	11.6	Bottom	3	2	25.21	7.63	32.14	71.7	4.92	8.4	1
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS5	10:01:02	1.0	Surface	1	1	29.49	8.47	18.81	86	5.91	4.5	0.8
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS5	10:01:52	1.0	Surface	1	2	29.54	8.46	18.96	86.1	5.91	4.3	0.7
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS5	10:01:31	4.4	Middle	1	1	27.3	8.47	27.43	75.2	5.17	4.4	0.9
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS5	10:00:40	4.4	Middle	2	2	27.08	8.46	28.06	74.1	5.06	4.4	0.6

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	2014-08-06	Mid-Ebb	Sunny	IS5	10:00:31	7.8	Bottom	3	1	26.97	8.43	28.9	72.6	4.92	4.4	1.2
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS5	10:01:18	7.8	Bottom	3	2	26.92	8.45	28.94	74.7	5.09	4.5	1.3
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS(MF)6	09:52:11	1.0	Surface	1	1	29.82	8.46	21.55	93.7	6.31	6.5	0.7
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS(MF)6	09:52:35	1.0	Surface	1	2	29.57	8.45	21.96	86.5	5.84	6.4	0.8
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS(MF)6	09:51:56	2.1	Bottom	3	1	29.47	8.44	22.51	93.2	6.28	6.4	0.9
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS(MF)6	09:52:21	2.1	Bottom	3	2	29.08	8.43	22.68	87.5	5.93	6.5	1.1
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS7	09:44:38	1.0	Surface	1	1	30.11	8.37	20.93	98	6.6	7.7	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS7	09:44:55	1.0	Surface	1	2	30.11	8.38	20.93	99.4	6.69	7.7	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS7	09:44:26	2.2	Bottom	3	1	29.55	8.36	22.65	93.8	6.31	7.2	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS7	09:44:44	2.2	Bottom	3	2	29.68	8.37	22.69	96.6	6.48	7.6	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS8	09:20:23	1.0	Surface	1	1	29.92	8.45	20.14	90.1	6.11	3.7	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS8	09:20:41	1.0	Surface	1	2	29.9	8.44	20.2	89.5	6.07	3.7	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS8	09:20:14	2.9	Bottom	3	1	28.3	8.44	23.77	89.6	6.12	4.4	0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS8	09:20:32	2.9	Bottom	3	2	27.68	8.44	25.59	92	6.28	4.5	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS(MF)9	09:38:03	1.0	Surface	1	1	29.26	8.48	21.54	85.8	5.83	4.7	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS(MF)9	09:38:21	1.0	Surface	1	2	29.61	8.47	21.16	88.4	5.99	4.5	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS(MF)9	09:37:52	2.7	Bottom	3	1	28.58	8.46	25.52	88.7	6	4.6	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS10	09:04:54	1.0	Surface	1	1	28.99	8.23	19.84	81.9	5.65	1.7	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS10	09:05:34	1.0	Surface	1	2	28.96	8.24	19.94	87.6	6.04	1.7	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS10	09:05:14	5.0	Middle	2	1	27.72	8.12	25.36	76.8	5.23	2.3	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS10	09:04:38	5.0	Middle	2	2	27.57	8.09	25.68	76.9	5.23	2.5	1
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS10	09:05:07	9.0	Bottom	3	1	27.76	8.13	25.77	70.7	4.83	3.2	1
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	IS10	09:04:28	9.0	Bottom	3	2	27.13	8.09	27.46	69.9	4.77	3	1
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR3	10:08:42	0.7	Middle	2	1	29.5	8.52	18.2	97.6	6.73	3.1	0.8
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR3	10:08:36	0.7	Middle	2	2	29.5	8.52	18.29	94.1	6.49	3.1	0.7
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR4	09:27:26	1.0	Surface	1	1	29.67	8.45	19.58	95.2	6.46	5.7	0.6
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR4	09:26:57	2.7	Bottom	3	1	29.97	8.46	19.94	95.7	6.61	5.7	0.9
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR4	09:27:19	2.7	Bottom	3	2	29.98	8.44	21.6	100.8	6.77	6.4	0.9
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR5	09:14:11	1.0	Surface	1	1	29.2	8.44	22.37	96.4	6.56	6.3	0.8
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR5	09:14:33	1.0	Surface	1	2	28.36	8.15	22	73.2	5.04	1.3	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR5	09:14:02	3.8	Bottom	3	1	28.02	8.13	20.65	76.6	5.29	1.4	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR5	09:14:23	3.8	Bottom	3	2	27.88	8.12	25.42	72.8	4.86	1.6	4.3
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10A	08:07:16	1.0	Surface	1	1	28.66	8.57	21.69	111.5	7.65	1.3	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10A	08:07:43	1.0	Surface	1	2	28.59	8.63	21.86	110.8	7.55	1.3	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10A	08:07:04	3.3	Middle	2	1	28.37	8.31	22.74	112	7.63	1.5	0.7
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10A	08:07:33	3.3	Middle	2	2	28.32	8.65	23.28	109.6	7.52	1.4	0.7
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10A	08:06:55	5.6	Bottom	3	1	28.53	8.2	23.47	108.5	7.44	1.4	0.9
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10A	08:07:25	5.6	Bottom	3	2	28.4	8.63	23.58	108	7.39	1.5	0.8
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10B	08:01:13	1.0	Surface	1	1	27.59	8	24.85	91.5	6.28	2.1	2.3
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10B	08:00:56	1.0	Surface	1	2	27.71	7.97	24.31	91.6	6.29	2.1	2.1
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10B	08:00:46	4.1	Bottom	3	1	27.57	7.99	25.43	90.4	6.19	2.1	2.3
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	SR10B	08:01:05	4.1	Bottom	3	2	27.58	7.98	24.95	91.7	6.29	2	2.4
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS2	10:33:56	1.0	Surface	1	1	29.31	8.43	16.32	103.5	7.24	2.5	2.9
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS2	10:34:38	1.0	Surface	1	2	29.3	8.42	16.34	100.8	7.05	2.7	2.8
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS2	10:34:25	3.9	Middle	2	1	28.6	8.17	21.55	74.2	5.01	3	4.2
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS2	10:33:42	3.9	Middle	2	2	28.6	8.18	21.56	75.8	5.13	2.9	3.2
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS2	10:33:35	6.7	Bottom	3	1	27.5	8.15	27.52	72.1	4.95	3.3	3.7
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS2	10:34:18	6.7	Bottom	3	2	27.59	8.14	27.66	70	4.81	3.1	3.6
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS(MF)5	08:44:24	1.0	Surface	1	1	28.71	8.55	21.58	86.1	5.91	2	1.5
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS(MF)5	08:45:12	1.0	Surface	1	2	28.81	8.57	21.16	88.2	6.06	2	1.8
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS(MF)5	08:44:03	6.3	Middle	2	1	26.27	8.53	28.76	75.5	5.33	3.1	1.8
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS(MF)5	08:44:52	6.3	Middle	2	2	27.31	8.56	26.9	74.2	5.25	3.1	1.9
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS(MF)5	08:43:55	11.6	Bottom	3	1	25.96	8.55	30.21	71.1	5.03	3.2	2
HKLR	HY/2011/03	2014-08-06	Mid-Ebb	Sunny	CS(MF)5	08:44:41	11.6	Bottom	3	2	25.99	8.56	30.23	72.6	5.04	3.1	2.1
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS5	15:12:10	1.0	Surface	1	1	29.58	8.49	21.45	88.2	5.97	4.6	1.1

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	2014-08-06	Mid-Flood	Sunny	IS5	15:11:25	1.0	Surface	1	2	29.51	8.49	21.62	90.1	6.1	4.4	1.1
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS5	15:11:48	4.4	Middle	2	1	28.1	8.47	25.31	75.5	5.18	8.6	1.8
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS5	15:10:54	4.4	Middle	2	2	27.54	8.45	26.89	74.9	5.14	8.6	2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS5	15:11:37	7.8	Bottom	3	1	27.38	8.46	28.07	74.4	5.03	8.7	2.9
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS5	15:10:46	7.8	Bottom	3	2	27.38	8.44	28.08	72.1	4.88	8.4	3.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS(MF)6	15:16:49	1.0	Surface	1	1	29.61	8.57	22.51	107.6	7.23	6.5	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS(MF)6	15:16:30	1.0	Surface	1	2	29.87	8.56	21.86	107.2	7.2	6.6	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS(MF)6	15:16:18	1.8	Bottom	3	1	29.57	8.55	22.64	110.6	7.44	6.5	0.8
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS(MF)6	15:16:40	1.8	Bottom	3	2	29.46	8.57	22.82	106.6	7.12	6.6	1.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS7	15:23:23	1.0	Surface	1	2	29.74	8.48	20.68	95.9	6.5	7.6	<0.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS7	15:23:02	1.0	Surface	1	2	29.61	8.48	21.54	93.6	6.32	7.5	0.8
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS7	15:23:11	2.2	Bottom	3	1	29.21	8.47	23.2	90.1	6.07	7.4	2.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS7	15:22:53	2.2	Bottom	3	2	29.51	8.47	23	97	6.51	7.5	1.8
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS8	15:46:51	1.0	Surface	1	2	29.54	8.47	20.67	112	7.61	6.6	1.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS8	15:46:35	1.0	Surface	1	2	29.47	8.48	20.88	111.6	7.59	6.5	1.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS8	15:46:41	3.0	Bottom	3	1	29.39	8.46	23.27	113.9	7.66	6.5	4
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS8	15:46:27	3.0	Bottom	3	2	29.46	8.47	22.42	112.9	7.61	6.5	3.4
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS(MF)9	15:30:20	1.0	Surface	1	1	29.62	8.48	21.83	101	6.82	6.5	2.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS(MF)9	15:30:03	1.0	Surface	1	2	29.52	8.47	20.53	96.2	6.55	6.5	2.1
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS(MF)9	15:30:07	2.6	Bottom	3	1	29.43	8.48	23.2	98.3	6.61	6.6	3.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS(MF)9	15:29:54	2.6	Bottom	3	2	29.42	8.47	22.95	96.7	6.51	6.4	3.1
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS10	16:13:46	1.0	Surface	1	1	29.14	8.33	17.01	89.7	6.26	4.7	4.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS10	16:14:29	1.0	Surface	1	2	29.27	8.38	16.54	90.5	6.34	4.6	4.7
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS10	16:14:13	4.9	Middle	2	2	27.57	8.17	24.51	77.8	5.32	6.3	5.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS10	16:13:35	4.9	Middle	2	1	27.87	8.19	24.82	76.9	5.26	6	4.8
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS10	16:14:04	8.7	Bottom	3	1	27.14	8.16	26.99	73.3	5.04	8.8	4.7
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	IS10	16:13:16	8.7	Bottom	3	2	27.01	8.12	27.67	72.5	4.99	9	4.8
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR3	15:01:22	0.7	Middle	2	1	29.9	8.45	20.69	114.1	7.71	2.6	2.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR3	15:01:28	0.7	Middle	2	2	29.91	8.45	20.61	113.9	7.7	2.5	2.1
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR4	15:39:09	1.0	Surface	1	1	29.79	8.57	20.05	116.1	7.89	7	7.6
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR4	15:39:30	1.0	Surface	1	2	29.61	8.56	20.85	110.2	7.48	7.3	7.1
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR4	15:39:19	2.5	Bottom	3	1	29.65	8.55	21.49	115.1	7.78	7.3	7.9
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR4	15:39:01	2.5	Bottom	3	2	29.76	8.56	20.98	117.4	7.94	7.2	8.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR5	16:04:17	1.0	Surface	1	1	29.43	8.42	15.23	110.9	7.78	4.6	5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR5	16:04:33	1.0	Surface	1	2	29.44	8.39	16.97	111.3	7.74	4.5	4.4
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR5	16:03:59	3.6	Bottom	3	1	28.31	8.23	23.98	92.6	6.31	5	5.4
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR5	16:04:23	3.6	Bottom	3	2	28.18	8.34	23.85	92.7	6.34	4.9	5.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10A	17:12:15	1.0	Surface	1	1	27.93	8.2	25.82	105.2	7.14	2.2	2.3
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10A	17:11:44	1.0	Surface	1	2	27.96	8.21	25.72	107.3	7.29	2.2	2.3
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10A	17:12:05	3.4	Middle	2	1	27.59	8.13	26.6	98.9	6.72	2.1	3.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10A	17:11:33	3.4	Middle	2	2	27.61	8.18	26.59	103	7	2.1	3
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10A	17:11:57	5.7	Bottom	3	1	27.5	8.12	26.94	104.4	7.09	2.1	5.3
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10A	17:11:25	5.7	Bottom	3	2	27.64	8.19	26.84	107.6	7.3	2.2	5.3
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10B	17:21:20	1.0	Surface	1	1	27.79	8.27	25.77	105.2	7.16	1.8	2.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10B	17:21:36	1.0	Surface	1	2	27.73	8.29	26.21	105	7.13	1.9	2.3
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10B	17:21:12	4.2	Bottom	3	1	27.69	8.23	26.83	106.4	7.21	1.7	2.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	SR10B	17:21:28	4.2	Bottom	3	2	27.7	8.26	26.82	106.2	7.19	1.8	2.3
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS2	14:46:59	1.0	Surface	1	1	29.38	8.28	14.5	85.5	6.03	4.8	3.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS2	14:46:23	1.0	Surface	1	2	28.9	8.23	14.66	85.5	6.07	4.7	3.4
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS2	14:46:50	3.9	Middle	2	1	28.52	8.15	24.04	78.5	5.37	4.5	3.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS2	14:46:17	3.9	Middle	2	2	28.83	8.15	23.07	79.5	5.4	4.7	3.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS2	14:46:36	6.8	Bottom	3	1	27.26	8.1	27.36	71.3	4.92	5.4	4.3
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS2	14:46:04	6.8	Bottom	3	2	27.07	7.98	27.47	70.5	4.81	5.6	3.6
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS(MF)5	16:34:38	1.0	Surface	1	1	29.3	8.49	21.44	107.2	7.29	3.3	1.1
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS(MF)5	16:33:49	1.0	Surface	1	2	29.78	8.49	20.68	111.9	7.58	3.6	1.5
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS(MF)5	16:33:27	6.4	Middle	2	1	26.11	8.47	29.99	75.4	5.25	8.1	1.6
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS(MF)5	16:34:15	6.4	Middle	2	2	25.83	8.49	30.4	75.1	5.18	8.7	1.8

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS(Mf)5	16:34:06	11.8	Bottom	3	1	25.37	8.47	31.94	74.5	5.12	8.1	2.2
HKLR	HY/2011/03	2014-08-06	Mid-Flood	Sunny	CS(Mf)5	16:33:15	11.8	Bottom	3	2	25.38	8.44	31.93	74.4	5.1	8.6	2.3
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS5	12:04:15	1.0	Surface	1	1	29.76	8.08	19.15	86.6	5.92	7	5.7
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS5	12:03:31	1.0	Surface	2	1	29.72	8.06	19.24	90.3	6.12	7.4	5.7
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS5	12:03:52	4.1	Middle	2	1	26.92	7.87	27.59	83	5.66	12.1	5.7
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS5	12:03:09	4.1	Middle	2	2	26.76	7.86	28.31	82.7	5.65	12.8	5.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS5	12:03:42	7.2	Bottom	3	1	26.42	7.89	29.56	71.6	4.88	12.6	5.9
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS5	12:03:01	7.2	Bottom	3	2	26.61	7.91	29.36	71.1	4.86	11.1	6.7
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS(Mf)6	11:50:41	1.0	Surface	1	1	29.03	7.91	22.16	75.1	5.11	11	3.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS(Mf)6	11:51:01	1.0	Surface	1	2	29.11	7.93	21.9	75.1	5.11	10.8	3.3
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS(Mf)6	11:50:31	2.0	Bottom	3	1	28.93	7.9	22.47	77.8	5.29	12.4	3.8
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS(Mf)6	11:50:46	2.0	Bottom	3	2	28.92	7.9	22.48	73.9	5.03	12.2	3.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS7	11:42:08	1.0	Surface	1	1	29.79	8.08	20.39	103.4	7.01	8.1	3.7
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS7	11:42:26	1.0	Surface	1	2	29.82	8.06	20	106.6	7.23	8.4	3.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS7	11:42:00	2.1	Bottom	3	1	29.82	8.11	20.22	109.3	7.42	9.2	4.9
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS7	11:42:18	2.1	Bottom	3	2	29.75	8	20.99	96.4	6.52	9.5	4.4
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS8	11:18:27	1.0	Surface	1	1	29.73	8.3	19.37	109.3	7.46	5.7	3.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS8	11:18:44	1.0	Surface	1	2	29.77	8.25	19.31	108.8	7.42	5.5	2.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS8	11:18:35	2.7	Bottom	3	1	29.51	8.18	21.3	108.4	7.35	6.6	3.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS8	11:18:19	2.7	Bottom	3	2	29.54	8.26	21.3	111	7.52	6.7	3.2
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS(Mf)9	11:35:45	1.0	Surface	1	1	29.72	8.12	19.67	100.3	6.84	7.4	2.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS(Mf)9	11:35:23	1.0	Surface	1	2	29.57	8.09	19.73	92.9	6.35	7.8	2.7
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS(Mf)9	11:35:33	2.2	Bottom	3	1	29.39	8.02	21.07	92.5	6.29	9.2	3.2
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS(Mf)9	11:35:16	2.2	Bottom	3	2	29.39	8.06	21.26	94	6.39	8.7	3.4
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS10	11:23:39	1.0	Surface	1	1	29.46	8.2	14.48	82.8	5.83	3.1	3.9
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS10	11:23:37	1.0	Surface	1	2	29.44	8.2	14.6	82.8	5.83	3.2	3.9
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS10	11:23:20	5.3	Middle	2	1	28.03	8.13	23.04	74.3	5.1	4.2	3.9
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS10	11:22:29	5.3	Middle	2	2	28.09	8.14	21.48	75.6	5.19	4.5	3.8
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS10	11:22:53	9.6	Bottom	3	1	26.63	8.07	27.75	72.2	4.97	4.3	4.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	IS10	11:22:22	9.6	Bottom	3	2	27.06	8.07	26.31	72.5	5.03	4.2	4.2
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR3	12:14:57	0.9	Middle	2	1	29.82	8.09	19.07	99	6.76	5.7	5.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR3	12:15:04	0.9	Middle	2	2	29.83	8.09	19.05	99.2	6.77	5.7	4.6
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR4	11:25:31	1.0	Surface	1	1	29.85	8.04	18.97	91.6	6.26	7.3	3
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR4	11:25:15	1.0	Surface	1	2	30.09	8.06	18.75	6.41	6.41	7	3.2
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR4	11:25:22	2.6	Bottom	3	1	29.75	8.04	19.17	92.5	6.32	8.2	3.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR4	11:25:05	2.6	Bottom	3	2	29.74	8.06	19.17	93.5	6.39	8.2	3.8
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR5	11:34:40	1.0	Surface	1	1	29.09	8.18	14.82	88.9	6.29	2.6	2.2
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR5	11:33:39	1.0	Surface	1	2	29.26	8.2	14.25	89.6	6.34	2.6	2.3
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR5	11:33:25	4.1	Bottom	3	1	29.11	8.17	17.28	89.7	6.26	2.6	2.3
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR5	11:34:21	4.1	Bottom	3	2	28.91	8.16	17.96	89	6.21	2.6	2.2
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10A	09:55:48	1.0	Surface	1	1	28.81	8.3	19.76	95.2	6.59	1.7	1.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10A	09:55:03	1.0	Surface	1	2	28.86	8.19	19.65	96.6	6.68	1.8	1.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10A	09:54:51	3.4	Middle	2	1	28.68	8.08	20.05	95	6.57	2	2.2
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10A	09:55:40	3.4	Middle	2	2	28.67	8.32	20.11	93.8	6.49	1.8	2.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10A	09:54:42	5.7	Bottom	3	1	28.61	8.06	20.41	95.3	6.59	1.8	2.6
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10A	09:55:28	5.7	Bottom	3	2	28.43	8.24	20.94	92.4	6.39	1.9	2.5
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10B	09:42:52	1.0	Surface	1	1	28.07	7.74	22.39	84.2	5.81	2.9	3.8
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10B	09:42:31	1.0	Surface	1	2	28.25	7.74	21.25	84.9	5.88	2.8	3.9
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10B	09:42:21	3.6	Bottom	3	1	27.91	7.77	22.87	83.6	5.77	2.8	4.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	SR10B	09:42:41	3.6	Bottom	3	2	27.98	7.72	22.93	84.5	5.82	2.9	4.3
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS2	12:37:57	1.0	Surface	1	1	29.14	8.16	17.59	76.4	5.32	4.1	2.6
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS2	12:37:23	1.0	Surface	1	2	29.14	8.17	17.43	75.7	5.27	4	2.3
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS2	12:37:07	3.9	Middle	2	1	27.23	8.08	21.64	73.1	5.03	5.8	3.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS2	12:37:42	3.9	Middle	2	2	28.13	8.1	23.39	74.4	5.09	5.7	3.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS2	12:36:59	6.8	Bottom	3	1	27.03	8.05	27.44	70.4	4.8	6.1	4
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS2	12:37:34	6.8	Bottom	3	2	26.96	8.08	27.03	73.9	5.06	6.1	4.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS(Mf)5	10:35:55	1.0	Surface	1	1	28.87	8.06	18.63	82.4	5.73	5	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	2014-08-08	Mid-Ebb	Sunny	CS(MF)5	10:36:47	1.0	Surface	1	2	28.88	8.06	18.59	81.9	5.69	4.8	5.2
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS(MF)5	10:36:21	6.7	Middle	2	1	27.41	8	24.89	75.8	5.19	4.9	6.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS(MF)5	10:35:28	6.7	Middle	2	2	27.47	7.9	24.87	76.1	5.21	4.6	6.1
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS(MF)5	10:36:09	12.4	Bottom	3	1	27.52	8	25.69	74.6	5.1	5.1	6.4
HKLR	HY/2011/03	2014-08-08	Mid-Ebb	Sunny	CS(MF)5	10:35:04	12.4	Bottom	3	2	27.58	7.89	26.26	75	5.11	5.5	6.5
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS5	16:50:40	1.0	Surface	1	1	30.23	8.27	20.77	110.4	7.41	9	6
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS5	16:51:37	1.0	Surface	1	2	30.47	8.32	20.65	111.3	7.43	8.5	6
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS5	16:51:16	4.3	Middle	2	1	29.39	8.08	22.68	92.9	6.26	12.1	7.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS5	16:50:30	4.3	Middle	2	2	29.51	8.1	22.25	95.3	6.43	11.7	7.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS5	16:51:06	7.5	Bottom	3	1	29.27	8.06	22.96	96	6.48	12.5	8.5
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS5	16:50:20	7.5	Bottom	3	2	29.31	8.07	22.96	98.7	6.65	11.9	8.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS(MF)6	17:01:23	1.0	Surface	1	1	30.45	8.22	20.64	135.4	9.07	10.1	6.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS(MF)6	17:01:49	1.0	Surface	1	2	30.46	8.23	20.66	135.4	9.07	9.8	5.5
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS(MF)6	17:01:14	2.3	Bottom	3	1	30.39	8.2	20.76	135.3	9.07	10.6	6.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS(MF)6	17:01:35	2.3	Bottom	3	2	30.28	8.16	21.02	132.9	8.91	10.8	6.6
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS7	17:08:24	1.0	Surface	1	1	30.43	8.04	20.58	132.8	8.9	9.9	6.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS7	17:08:07	1.0	Surface	1	2	30.34	8.03	20.78	131.3	8.8	10.6	6.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS7	17:08:00	2.3	Bottom	3	1	30.33	8.02	21.14	133.2	8.91	11.5	7
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS7	17:08:12	2.3	Bottom	3	2	30.27	8.01	21.51	131.3	8.78	11.8	7.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS8	17:35:57	1.0	Surface	1	1	29.77	8.26	19.11	106.4	7.27	13.5	1.5
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS8	17:35:39	1.0	Surface	1	2	29.76	8.26	18.92	105.6	7.23	13.3	1.8
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS8	17:35:30	2.8	Bottom	3	1	29.67	8.24	20.1	106.9	7.28	16.9	6.7
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS8	17:35:48	2.8	Bottom	3	2	29.74	8.25	19.45	106.6	7.28	17.2	7.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS(MF)9	17:16:21	1.0	Surface	1	1	30.17	8.08	21.05	124.9	8.39	8.1	9.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS(MF)9	17:16:08	1.0	Surface	1	2	30.27	8.11	20.9	126.5	8.49	7.6	9.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS(MF)9	17:16:15	2.3	Bottom	3	1	30.15	8.07	21.24	126.4	8.48	8.5	9.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS(MF)9	17:16:00	2.3	Bottom	3	2	30.18	8.07	21.18	125.9	8.45	8.5	9.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS10	18:04:47	1.0	Surface	1	1	29.16	8.22	18.26	83	5.75	3.4	3.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS10	18:03:54	1.0	Surface	1	2	29.44	8.24	18.41	90.7	6.25	4.4	3.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS10	18:04:36	5.4	Middle	2	1	28.47	8.17	21.83	75.3	5.18	6.5	3.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS10	18:03:33	5.4	Middle	2	2	28.3	8.18	23.48	77.2	5.3	6.8	3.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS10	18:03:13	9.7	Bottom	3	1	26.89	8.12	27.02	75.1	5.13	6.8	4.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	IS10	18:04:14	9.7	Bottom	3	2	26.8	8.12	27.06	74.4	5.11	6.7	4.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR3	16:34:13	0.8	Middle	2	1	30.39	8.33	20.75	138	9.25	5.9	5.8
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR3	16:34:21	0.8	Middle	2	2	30.42	8.34	20.69	138.9	9.31	5.8	5.6
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR4	17:28:55	1.0	Surface	1	1	30.03	8.05	19.38	107.9	7.33	13.6	22
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR4	17:29:08	1.0	Surface	1	2	30.03	8.06	19.43	107.6	7.3	14	21
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR4	17:28:46	2.5	Bottom	3	1	30.03	8.02	19.43	107.9	7.32	15	19.9
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR4	17:29:01	2.5	Bottom	3	2	30.02	8.05	19.48	107.8	7.32	15.5	21.5
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR5	17:53:04	1.0	Surface	1	1	29.35	8.25	18.36	96.9	6.7	4.3	1.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR5	17:52:28	1.0	Surface	1	2	29.23	8.25	18.3	95.6	6.62	4.3	1.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR5	17:52:20	3.8	Bottom	3	1	29.1	8.22	20.59	94.1	6.45	4.4	1.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR5	17:52:48	3.8	Bottom	3	2	28.91	8.25	20.84	96	6.59	4.3	1.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10A	18:47:06	1.0	Surface	1	1	27.46	8.12	26.19	76.5	5.22	4.5	2.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10A	18:46:23	1.0	Surface	1	2	27.48	8.12	26.13	80	5.46	4.3	2.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10A	18:46:09	3.5	Middle	2	1	27.03	8.12	27.6	77	5.25	5	2.6
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10A	18:46:53	3.5	Middle	2	2	27.05	8.13	27.62	74.4	5.07	5	2.3
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10A	18:46:44	5.9	Bottom	3	1	26.97	8.11	27.73	73.9	5.05	5	3.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10A	18:45:59	5.9	Bottom	3	2	26.86	8.1	27.85	70.5	4.82	5.2	2.8
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10B	18:56:21	1.0	Surface	1	1	27.24	8.12	26.86	76.4	5.21	4.6	1.7
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10B	18:56:37	1.0	Surface	1	2	27.18	8.12	27.1	76	5.19	4.7	1.7
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10B	18:56:10	3.7	Bottom	3	1	27.07	8.12	27.65	75.7	5.16	4.9	1.5
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	SR10B	18:56:30	3.7	Bottom	3	2	27.07	8.12	27.56	75.8	5.16	5.1	1.8
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS2	16:37:27	1.0	Surface	1	1	30.03	8.18	15.77	87.6	6.07	5.6	2.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS2	16:38:07	1.0	Surface	1	2	29.97	8.18	15.76	85.7	5.94	5.6	2.3
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS2	16:37:57	4.1	Middle	2	1	29.77	8.16	17.5	79.4	5.47	5.7	2.9
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS2	16:37:04	4.1	Middle	2	2	29.09	8.17	19	73.6	5.09	5.7	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	2014-08-08	Mid-Flood	Sunny	CS2	16:37:45	7.1	Bottom	3	1	28.01	8.11	21.09	75.5	5.25	5.7	3.4
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS2	16:36:44	7.1	Bottom	3	2	27.94	8.15	22.65	70.8	4.89	5.7	3.7
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS(M)F5	18:09:17	1.0	Surface	1	1	29.63	8.17	19.64	88.7	6.06	3.8	1.2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS(M)F5	18:10:03	1.0	Surface	1	2	29.62	8.17	19.71	93.8	6.41	4	1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS(M)F5	18:09:42	6.9	Middle	2	1	26.76	8.01	28.08	84.4	5.78	5.2	2
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS(M)F5	18:09:05	6.9	Middle	2	2	26.74	8.03	28.2	79.7	5.45	5.2	2.1
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS(M)F5	18:09:27	12.7	Bottom	3	1	26.52	8.06	28.46	70.3	4.8	4.7	2.8
HKLR	HY/2011/03	2014-08-08	Mid-Flood	Sunny	CS(M)F5	18:08:57	12.7	Bottom	3	2	26.59	8.03	28.54	69.7	4.77	4.9	2.7
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS5	11:58:35	1.0	Surface	1	1	28.84	8.23	23.2	74.3	5.04	18.3	20.6
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS5	11:59:07	1.0	Surface	1	2	28.85	8.23	23.18	74.3	5.04	17.1	19.6
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS5	11:58:20	4.4	Middle	2	1	28.85	8.23	23.26	74.1	5.03	17.4	19.5
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS5	11:58:54	4.4	Middle	2	2	28.85	8.23	23.25	74.1	5.02	18.2	21.8
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS5	11:58:13	7.7	Bottom	3	1	28.85	8.23	23.28	74.1	5.02	17.6	19.1
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS5	11:58:47	7.7	Bottom	3	2	28.85	8.23	23.25	74	5.02	18.7	21.7
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS(M)F6	12:12:15	1.0	Surface	1	1	28.86	8.22	22.94	74.1	5.04	20.6	24.5
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS(M)F6	12:11:52	1.0	Surface	1	2	28.94	8.22	22.93	74	5.02	21.8	24.7
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS(M)F6	12:11:41	2.3	Bottom	3	1	28.87	8.21	22.97	73.3	4.98	24	34.5
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS(M)F6	12:12:01	2.3	Bottom	3	2	28.87	8.22	22.95	73.3	4.97	23.8	34.2
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS7	12:18:34	1.0	Surface	1	1	29.36	8.23	21.97	85.6	5.8	6.7	5.2
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS7	12:18:54	1.0	Surface	1	2	29.43	8.22	21.92	85.4	5.81	6.1	5.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS7	12:18:27	2.4	Bottom	3	1	29.17	8.22	22.36	85.4	5.79	7.5	5.5
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS7	12:18:45	2.4	Bottom	3	2	29.18	8.22	22.46	85.3	5.78	6.9	5.9
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS8	12:45:33	1.0	Surface	1	1	29.01	8.21	22.08	80.4	5.47	6.6	5.2
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS8	12:45:19	1.0	Surface	1	2	28.98	8.2	22.49	80.5	5.47	7.8	8.5
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS8	12:45:26	2.7	Bottom	3	1	28.97	8.24	22.59	80.6	5.47	7.6	8.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS(M)F9	12:27:23	1.0	Surface	1	1	28.99	8.24	22.16	84.6	5.76	6.8	6.1
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS(M)F9	12:27:12	1.0	Surface	1	2	29.18	8.24	22.1	86.9	5.9	6.2	6
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS(M)F9	12:27:05	2.4	Bottom	3	1	29.18	8.23	22.08	86.8	5.89	7.4	6.8
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS(M)F9	12:27:17	2.4	Bottom	3	2	29.1	8.23	22.13	86.2	5.86	7.2	6
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS10	13:09:13	1.0	Surface	1	1	28.68	8.03	22.36	79.6	5.85	10.2	6.6
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS10	13:08:30	1.0	Surface	1	2	28.35	8.04	22.66	77.2	5.7	10.4	5.9
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS10	13:08:20	5.2	Middle	2	1	27.86	8.03	24.2	75.9	5.62	10.4	8
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS10	13:08:58	5.2	Middle	2	2	27.9	8.03	24.06	75.9	5.58	10.1	7.9
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS10	13:08:11	9.3	Bottom	3	1	27.86	8.02	24.47	77.5	5.72	10.3	11.3
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	IS10	13:08:46	9.3	Bottom	3	2	27.79	8.02	24.6	76.2	5.63	10.1	10.9
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR3	11:44:24	0.8	Middle	2	1	28.85	8.22	23.27	77.2	5.23	15.3	15.8
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR3	11:44:19	0.8	Middle	2	2	28.85	8.22	23.26	78.1	5.3	15.1	16.1
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR4	12:35:13	1.0	Surface	1	1	29.03	8.2	22.23	78.8	5.36	9.2	4.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR4	12:35:28	1.0	Surface	1	2	28.98	8.2	22.37	77.8	5.29	8.9	4.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR4	12:35:05	2.8	Bottom	3	1	28.98	8.2	22.52	78.9	5.36	10.1	5.3
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR4	12:35:20	2.8	Bottom	3	2	28.96	8.2	22.5	78.5	5.34	9.8	5
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR5	12:57:51	1.0	Surface	1	1	28.17	8.04	22.99	78.7	5.81	10.4	3.2
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR5	12:58:12	1.0	Surface	1	2	28.22	8.03	23.02	78.6	5.8	10.4	3.5
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR5	12:57:43	3.9	Bottom	3	1	28.06	8.03	23.92	79.1	5.83	10.3	5.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR5	12:57:59	3.9	Bottom	3	2	28.06	8.03	23.94	78.6	5.79	10.5	4.9
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10A	13:52:02	1.0	Surface	1	1	28.47	8.25	23.94	80.8	5.5	4.4	3.2
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10A	13:51:37	3.5	Surface	2	2	28.75	8.25	23.57	82.9	5.62	4.1	3.1
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10A	13:51:57	3.5	Middle	2	1	28.28	8.25	24.35	80.4	5.47	4.5	5.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10A	13:51:22	5.9	Bottom	3	1	28.48	8.25	24.11	82.7	5.62	4.3	7.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10A	13:51:49	5.9	Bottom	3	2	28.31	8.26	24.39	81.6	5.54	4.4	7.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10B	14:08:03	1.0	Surface	1	1	28.76	8.24	23.62	82.8	5.6	4.1	4.2
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10B	14:08:16	1.0	Surface	1	2	28.73	8.25	23.68	82.9	5.62	4	4.2
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10B	14:07:53	4.3	Bottom	3	1	28.55	8.24	24.08	82.7	5.58	4.2	5.6
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	SR10B	14:08:08	4.3	Bottom	3	2	28.72	8.24	23.89	82.7	5.6	4.2	6.6
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS2	11:42:19	1.0	Surface	1	1	29.14	8.13	21.86	87.5	6.37	10.4	5.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS2	11:43:00	1.0	Surface	1	2	29.14	8.1	21.85	87.1	6.34	10.5	5.9
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS2	11:41:59	3.9	Middle	1	1	27.97	8.15	23.78	77.3	5.71	10.5	6.6
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS2	11:42:46	3.9	Middle	2	2	28.4	8.11	22.79	79.8	5.88	10.3	6.9
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS2	11:41:42	6.8	Bottom	3	1	27.09	8.16	26.86	77.5	5.72	10.6	7.1
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS2	11:42:36	6.8	Bottom	3	2	27.1	8.08	26.81	81.7	6	10.4	7.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS(MF)5	13:23:19	1.0	Surface	1	1	28.77	8.24	22.99	81.5	5.54	8.3	5.4
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS(MF)5	13:22:27	1.0	Surface	2	2	28.69	8.24	23.06	78.5	5.34	8.8	5.2
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS(MF)5	13:22:10	6.7	Middle	2	1	27.84	8.24	24.82	75.5	5.16	11.7	7.9
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS(MF)5	13:22:51	6.7	Middle	2	2	27.82	8.24	24.82	75.7	5.17	11.7	7.1
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS(MF)5	13:22:40	12.4	Bottom	3	1	27.91	8.25	24.81	72.5	4.96	10.9	9.1
HKLR	HY/2011/03	2014-08-11	Mid-Ebb	Sunny	CS(MF)5	13:21:57	12.4	Bottom	3	2	27.9	8.25	24.88	72.6	4.97	10.5	8.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS5	07:13:27	1.0	Surface	1	1	28.98	8.24	22.7	77.3	5.24	8.4	5.2
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS5	07:14:10	1.0	Surface	1	2	28.98	8.23	22.71	77.7	5.27	8.1	5.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS5	07:13:50	4.4	Middle	2	2	28.98	8.23	22.7	77.2	5.24	9	6.1
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS5	07:13:17	4.4	Middle	2	1	28.98	8.23	22.76	77	5.22	8.9	5.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS5	07:13:10	7.7	Bottom	3	1	28.98	8.23	22.75	77.2	5.24	8.5	7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS5	07:13:40	7.7	Bottom	3	2	28.97	8.24	22.74	77.1	5.23	8.5	7.5
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS(MF)6	07:01:28	1.0	Surface	1	1	28.89	8.24	22.12	83	5.66	5.3	4.2
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS(MF)6	07:01:12	1.0	Surface	1	2	28.88	8.24	22.13	83.3	5.68	5.6	3.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS(MF)6	07:01:06	2.3	Bottom	3	1	28.88	8.24	22.15	83.4	5.69	5.7	4.1
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS(MF)6	07:01:18	2.3	Bottom	3	2	28.88	8.24	22.14	83.1	5.67	5.9	4.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS7	06:54:09	1.0	Surface	1	1	28.73	8.24	22.03	84	5.74	9.4	6
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS7	06:54:31	1.0	Surface	1	2	28.71	8.24	21.98	83	5.68	9	6.1
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS7	06:54:19	2.2	Bottom	3	1	28.74	8.23	22.2	83.5	5.7	9.5	6.2
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS7	06:54:02	2.2	Bottom	3	2	28.75	8.23	22.27	84.1	5.74	9.8	7.1
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS8	06:32:10	1.0	Surface	1	1	28.78	8.18	21.29	80.5	5.52	7.8	5
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS8	06:32:29	1.0	Surface	1	2	28.76	8.19	21.39	79.4	5.44	8	4.9
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS8	06:32:23	2.8	Bottom	3	1	28.72	8.18	21.64	79.4	5.44	8.8	6.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS8	06:32:02	2.8	Bottom	3	2	28.76	8.18	21.52	81.2	5.57	8.2	6.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS(MF)9	06:47:43	1.0	Surface	1	1	28.93	8.23	22.08	81.3	5.53	6.7	4.3
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS(MF)9	06:47:29	1.0	Surface	1	2	28.93	8.22	22.07	81.3	5.54	6.6	4.5
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS(MF)9	06:47:24	2.6	Bottom	3	1	28.92	8.22	22.11	81.3	5.54	6.8	5.3
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS(MF)9	06:47:37	2.6	Bottom	3	2	28.96	8.22	22.14	81.1	5.52	6.4	5.2
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS10	06:21:49	1.0	Surface	1	1	27.88	8.06	23.78	74.8	5.55	11.5	9.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS10	06:22:29	1.0	Surface	1	2	27.93	8.06	23.48	74.9	5.55	11.6	9.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS10	06:22:16	5.3	Middle	2	1	27.66	8.05	24.58	73.4	5.44	12.5	12.4
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS10	06:21:36	5.3	Middle	2	2	27.69	8.05	24.53	74.1	5.5	12.4	11.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS10	06:21:25	9.5	Bottom	3	1	27.72	8.05	24.47	75.2	5.57	12.7	16.5
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	IS10	06:22:05	9.5	Bottom	3	2	27.65	8.05	24.61	74.1	5.49	12.5	16.3
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR3	07:23:48	0.8	Middle	2	1	28.99	8.19	22.7	77.5	5.26	7.5	7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR3	07:24:02	0.8	Middle	2	2	28.99	8.23	22.69	78.1	5.3	8	6.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR4	06:40:27	1.0	Surface	1	1	28.78	8.19	21.32	78.9	5.42	9	5.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR4	06:40:39	1.0	Surface	1	2	28.75	8.19	21.43	78.7	5.39	9.3	5.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR4	06:40:20	2.7	Bottom	3	1	28.75	8.19	21.56	78.7	5.39	9.6	6.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR4	06:40:34	2.7	Bottom	3	2	28.75	8.19	21.56	78.8	5.41	9.7	6.2
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR5	06:31:39	1.0	Surface	1	1	27.88	8.06	23.73	74.9	5.55	11.6	15.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR5	06:31:58	1.0	Surface	1	2	27.87	8.06	23.76	74.9	5.55	11.4	15.9
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR5	06:31:49	4.0	Bottom	3	1	27.79	8.05	24.27	74.9	5.55	12.3	15.4
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR5	06:31:30	4.0	Bottom	3	2	27.79	8.05	24.27	74.8	5.54	12.4	15.6
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10A	05:29:12	1.0	Surface	1	1	27.14	8.22	26.27	75.9	5.21	6.6	1.6
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10A	05:29:03	1.0	Surface	1	2	26.83	8.23	26.48	73.4	5.05	6.2	1.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10A	05:27:56	3.5	Middle	2	1	26.82	8.23	27.08	73.1	5.01	7.3	3.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10A	05:28:53	3.5	Middle	2	2	26.82	8.23	29.57	74.3	5.11	7	3.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10A	05:28:46	5.9	Bottom	3	1	25.93	8.23	29.71	71.3	4.89	7.5	4.2
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10A	05:27:45	1.0	Surface	1	2	26.63	8.22	27.99	77.7	4.98	7.1	4.98
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10B	05:16:11	5.9	Bottom	3	1	27.08	8.22	26.35	73.7	5.06	6.2	2.5
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10B	05:15:53	1.0	Surface	1	2	27.12	8.21	26.25	74.5	5.12	6	2.3

Water Quarterly 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	2014-08-11	Mid-Flood	Sunny	SR10B	05:15:43	4.4	Bottom	3	1	27.01	8.21	26.66	74.7	5.12	6.5	4.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	SR10B	05:16:03	4.4	Bottom	3	2	26.95	8.22	26.82	73.6	5.05	6.9	4.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS2	07:51:55	1.0	Surface	1	1	27.97	8.05	23.58	76.6	5.67	15.1	23
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS2	07:51:21	1.0	Surface	1	2	27.96	8.05	23.6	76.5	5.66	14.8	23
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS2	07:51:45	4.0	Middle	2	1	27.92	8.05	23.76	76.3	5.64	15.5	23.4
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS2	07:51:10	4.0	Middle	2	2	27.92	8.05	23.76	76.3	5.65	15.7	23.1
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS2	07:51:58	7.0	Bottom	3	1	27.92	8.05	23.79	76.5	5.66	15.6	24.8
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS2	07:51:35	7.0	Bottom	3	2	27.92	8.05	23.76	76.3	5.65	15.7	24.2
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS(MF)5	06:00:31	1.0	Surface	1	1	27.65	8.23	23.96	78.7	5.43	9.8	4
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS(MF)5	06:01:20	1.0	Surface	1	2	27.06	8.24	27.03	77.3	5.28	10.2	3.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS(MF)5	06:00:16	6.9	Middle	2	1	25.92	8.24	29.75	73.9	5.08	13.3	4.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS(MF)5	06:01:02	6.9	Middle	2	2	25.91	8.25	29.78	74.4	5.12	12.8	4.7
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS(MF)5	06:00:52	12.7	Bottom	3	1	25.91	8.24	29.77	72.4	4.98	13.5	5.9
HKLR	HY/2011/03	2014-08-11	Mid-Flood	Sunny	CS(MF)5	06:00:08	12.7	Bottom	3	2	25.98	8.23	29.71	76.3	5.22	14.2	6.3
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS5	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS5	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS(MF)6	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS(MF)6	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS(MF)6	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS(MF)6	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS7	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS7	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS7	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS7	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS8	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS8	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS8	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS8	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS(MF)9	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS(MF)9	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS(MF)9	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS(MF)9	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS10	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS10	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS10	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS10	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS10	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	IS10	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR3	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR3	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR4	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR4	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR4	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR4	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR4	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR4	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10A	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10A	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10A	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10A	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10A	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10A	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10A	-	-	Bottom	3	1	-	-	-	-	-	-	-

Water Quarterly 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	2014-08-13	Mid-Ebb	Rainy	SR10A	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10B	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10B	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10B	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	SR10B	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS2	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS2	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS2	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS2	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS2	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS2	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS(MF)5	-	-	Surface	1	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS(MF)5	-	-	Surface	1	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS(MF)5	-	-	Middle	2	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS(MF)5	-	-	Middle	2	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS(MF)5	-	-	Bottom	3	1	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Ebb	Rainy	CS(MF)5	-	-	Bottom	3	2	-	-	-	-	-	-	-
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS5	09:36:24	1.0	Surface	1	1	28.5	7.87	21.97	78.8	5.41	11.4	9
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS5	09:35:48	1.0	Surface	1	2	28.51	7.87	22.07	76.2	5.24	11.9	9.2
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS5	09:35:38	4.4	Middle	2	1	28.54	7.85	22.82	74.8	5.1	12.6	9.3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS5	09:36:05	4.4	Middle	2	2	28.55	7.86	22.77	75.6	5.16	13	9.3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS5	09:35:58	7.7	Bottom	3	1	28.53	7.86	22.89	76.7	5.24	13.7	9.5
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS5	09:35:32	7.7	Bottom	3	2	28.54	7.85	22.96	75.7	5.16	14.4	9.1
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS(MF)6	09:22:46	1.0	Surface	1	1	28.51	7.84	21.89	74.5	5.12	9.5	8.7
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS(MF)6	09:23:05	1.0	Surface	1	2	28.51	7.85	21.94	74.1	5.09	9.4	8.9
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS(MF)6	09:22:39	2.1	Bottom	3	1	28.51	7.84	21.87	74.8	5.14	9.3	10.2
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS(MF)6	09:22:58	2.1	Bottom	3	2	28.5	7.85	21.9	74.3	5.11	9.4	9.6
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS7	09:10:22	1.0	Surface	1	1	28.42	7.89	21.9	78.4	5.39	8	6.9
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS7	09:10:40	1.0	Surface	1	2	28.38	7.89	21.78	78.4	5.4	8.3	6.7
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS7	09:10:32	2.2	Bottom	3	1	28.43	7.89	22.06	78.6	5.4	8.2	7.5
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS7	09:10:14	2.2	Bottom	3	2	28.47	7.89	22.14	78.1	5.36	8	7.9
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS8	08:40:02	1.0	Surface	1	1	28.47	7.81	21.48	83.4	5.75	14.9	8.5
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS8	08:39:47	2.8	Bottom	3	1	28.47	7.81	21.46	83.6	5.76	14.8	9.1
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS8	08:39:29	2.8	Bottom	3	2	28.46	7.81	21.46	84.1	5.8	15.5	13.8
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS(MF)9	09:02:53	1.0	Surface	1	1	28.4	7.86	21.76	78.2	5.38	8.9	8
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS(MF)9	09:03:09	1.0	Surface	1	2	28.46	7.87	22.03	78	5.36	8.9	8.1
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS(MF)9	09:03:01	2.5	Bottom	3	1	28.46	7.87	22.12	78.5	5.39	9	8.1
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS(MF)9	09:02:44	2.5	Bottom	3	2	28.43	7.85	21.96	78.4	5.39	8.8	8.2
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS10	08:15:06	1.0	Surface	1	1	27.82	7.99	23.96	78.4	5.39	18.8	19
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS10	08:16:29	1.0	Surface	1	2	27.9	7.99	23.51	80.3	5.53	18.7	19
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS10	08:15:54	5.6	Middle	2	1	27.75	7.99	24.38	77.4	5.32	19.1	22
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS10	08:14:57	5.6	Middle	2	2	27.75	7.98	24.32	77.6	5.33	18.8	22
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS10	08:14:50	10.2	Bottom	3	1	27.79	7.98	24.31	77.5	5.33	19	23
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	IS10	08:15:47	10.2	Bottom	3	2	27.74	7.98	24.46	76.8	5.28	19.1	23.7
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR3	09:48:23	0.8	Middle	2	1	28.51	7.87	22.03	79.6	5.47	9.2	7.1
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR3	09:48:13	0.8	Middle	2	2	28.51	7.87	22.01	80	5.49	8.9	6.7
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR4	08:49:05	1.0	Surface	1	1	28.45	7.83	21.45	83.8	5.77	14	9.4
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR4	08:48:25	1.0	Surface	1	2	28.47	7.82	21.52	82.9	5.71	13.2	9.3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR4	08:48:32	2.7	Bottom	3	1	28.47	7.82	21.54	83	5.72	14.9	10.9
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR4	08:48:15	2.7	Bottom	3	2	28.47	7.82	21.54	82.8	5.71	15.3	10.3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR5	08:21:05	1.0	Surface	1	1	27.88	7.99	23.66	79	5.43	18.6	22.7
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR5	08:21:20	1.0	Surface	1	2	27.89	7.99	23.69	79	5.43	18.5	24
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR5	08:20:55	3.5	Bottom	3	1	27.87	7.99	23.84	78.9	5.43	18.6	24.2
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR5	08:21:13	3.5	Bottom	3	2	27.89	7.99	23.79	78.6	5.42	18.6	25.7
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10A	07:22:38	1.0	Surface	1	1	27.3	7.85	25.81	80.6	5.52	7.9	3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10A	07:22:09	1.0	Surface	1	2	27.12	7.85	25.9	79.3	5.45	8.6	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	2014-08-13	Mid-Flood	Rainy	SR10A	07:22:26	3.4	Middle	2	1	26.81	7.85	27.36	78.2	5.37	9.8	5.1
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10A	07:22:01	3.4	Middle	2	2	26.79	7.84	27.38	78.3	5.37	9.9	5
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10A	07:21:54	5.7	Bottom	3	1	26.85	7.83	27.64	79.3	5.42	9.6	6.5
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10A	07:22:18	5.7	Bottom	3	2	26.91	7.84	27.62	79.2	5.41	9.5	6.1
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10B	07:07:07	1.0	Surface	1	1	27.22	7.75	25.73	82.5	5.67	8.1	3.2
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10B	07:07:25	1.0	Surface	1	2	27.19	7.78	25.81	82.5	5.67	7.6	3.3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10B	07:07:17	4.4	Bottom	3	1	27.01	7.76	26.9	82.4	5.64	8.3	3.8
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	SR10B	07:06:57	4.4	Bottom	3	2	26.98	7.72	26.85	82.1	5.63	9	4.3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS2	09:32:17	1.0	Surface	1	1	27.74	8.01	22.99	79.4	5.45	8.9	13.5
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS2	09:32:44	1.0	Surface	1	2	27.91	8	23	80.1	5.53	8.9	13.2
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS2	09:32:11	4.2	Middle	2	1	27.32	7.99	24.13	77.9	5.39	8.9	14
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS2	09:32:32	4.2	Middle	2	2	27.71	8	23.5	79.2	5.42	9	13.9
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS2	09:32:24	7.3	Bottom	3	1	27.78	7.99	25.32	78.5	5.41	9.2	14.1
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS2	09:32:03	7.3	Bottom	3	2	27.26	7.97	25.89	77.1	5.34	9	14.2
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS(MF)5	07:51:17	1.0	Surface	1	1	26.63	7.88	27.13	74.1	5.1	12.8	3.3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS(MF)5	07:52:02	1.0	Surface	1	2	27.06	7.87	26.7	77.7	5.32	13.1	3.3
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS(MF)5	07:51:39	6.8	Middle	2	1	26.31	7.88	28.84	73.1	5	14.1	4.8
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS(MF)5	07:51:07	6.8	Middle	2	2	26.32	7.87	28.78	73.8	5.06	13.3	4.5
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS(MF)5	07:51:01	12.5	Bottom	3	1	26.37	7.86	28.76	75.5	5.18	15.6	5.8
HKLR	HY/2011/03	2014-08-13	Mid-Flood	Rainy	CS(MF)5	07:51:33	12.5	Bottom	3	2	26.32	7.87	28.85	72.1	4.94	14.8	5.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS5	14:37:51	1.0	Surface	1	1	28.69	7.75	22.73	76.9	5.4	16.4	17.3
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS5	14:38:26	1.0	Surface	1	2	28.7	7.77	22.7	76.9	5.4	16.5	17.2
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS5	14:37:41	4.2	Middle	2	1	28.59	7.75	22.83	76.5	5.38	16.4	17.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS5	14:38:13	4.2	Middle	2	2	28.6	7.76	22.79	76.1	5.35	16.5	17.7
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS5	14:37:32	7.4	Bottom	3	1	28.61	7.74	22.85	77	5.42	16.6	18.2
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS5	14:38:02	7.4	Bottom	3	2	28.57	7.75	22.86	76.5	5.38	16.3	18.2
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS(MF)6	14:54:38	1.0	Surface	1	1	29.68	7.82	21.5	85.3	5.92	7.6	4.5
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS(MF)6	14:54:16	1.0	Surface	1	2	29.67	7.79	21.51	85.7	5.95	7.7	4
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS(MF)6	14:54:03	2.5	Bottom	3	1	29.27	7.77	22.13	85	5.92	7.8	4.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS(MF)6	14:54:24	2.5	Bottom	3	2	29.02	7.77	22.45	83.4	5.83	7.5	4.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS7	15:03:21	1.0	Surface	1	1	29.51	7.84	21.23	88.1	6	6	3.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS7	15:02:53	1.0	Surface	1	2	29.49	7.84	21.28	86.1	6	5.7	3.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS7	15:02:43	2.5	Bottom	3	1	29.37	7.83	21.59	85.9	5.98	6.6	5.3
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS7	15:03:08	2.5	Bottom	3	2	29.36	7.84	21.61	85.9	5.99	6.4	4.8
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS8	15:40:03	1.0	Surface	1	1	29.72	7.83	20.47	78.6	5.5	8.3	4.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS8	15:39:45	1.0	Surface	1	2	29.19	7.82	20.71	77.5	5.46	8.2	4.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS8	15:39:52	2.9	Bottom	3	1	28.69	7.81	22.09	76.8	5.41	8.5	5
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS8	15:39:35	2.9	Bottom	3	2	28.9	7.81	21.98	77.4	5.44	8.7	5.4
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS(MF)9	15:25:17	1.0	Surface	1	1	29.99	7.86	20.72	88.9	6.16	6.4	6.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS(MF)9	15:24:53	1.0	Surface	1	2	29.99	7.86	20.74	88.8	6.15	6.4	6.3
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS(MF)9	15:25:05	2.6	Bottom	3	1	29.5	7.86	21.72	88.1	6.12	6.6	7.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS(MF)9	15:24:41	2.6	Bottom	3	2	29.45	7.85	21.69	87.7	6.1	6.5	7.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS10	16:28:19	1.0	Surface	1	1	28.73	7.97	20.21	72.8	5.02	8.5	6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS10	16:27:19	1.0	Surface	1	2	28.75	7.96	20.51	73.3	5.06	8.3	6.4
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS10	16:26:53	5.2	Middle	2	1	27.68	7.95	22.45	64.2	4.46	9.6	8
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS10	16:28:01	5.2	Middle	2	2	27.74	7.95	22.4	64.3	4.46	9.9	7.3
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS10	16:27:43	9.4	Bottom	3	1	27.24	7.93	24.1	61.7	4.27	11.1	9.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	IS10	16:26:30	9.4	Bottom	3	2	27.24	7.93	24.1	62.1	4.3	11.2	8.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR3	14:30:52	0.7	Middle	2	1	28.83	7.77	22.64	82.8	5.8	15	17.8
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR3	14:30:58	0.7	Middle	2	2	28.82	7.77	22.65	82.1	5.75	14.2	17.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR4	15:32:52	1.0	Surface	1	1	28.96	7.79	21.15	79.4	5.59	6.7	6.3
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR4	15:33:19	1.0	Surface	1	2	29.05	7.81	20.95	78.6	5.53	6.6	6.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR4	15:32:36	2.8	Bottom	3	1	28.61	7.74	21.77	78.9	5.57	6.7	6.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR4	15:33:06	2.8	Bottom	3	2	28.5	7.78	22	77.9	5.51	6.7	6.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR5	16:14:53	1.0	Surface	1	1	28.66	7.94	21.48	70.8	4.9	9.8	6.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR5	16:14:05	1.0	Surface	1	2	28.39	7.94	21.52	69.6	4.82	9.4	6.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR5	16:14:31	4.2	Bottom	3	1	27.82	7.92	22.32	67.3	4.67	10.8	7.2

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	2014-08-15	Mid-Ebb	Sunny	SRS	16:13:42	4.2	Bottom	3	2	27.8	7.92	22.31	67.1	4.66	10.5	7.2
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10A	16:52:06	1.0	Surface	1	1	29.11	7.85	21.81	78.6	5.51	3.9	3.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10A	16:52:37	1.0	Surface	1	2	29.19	7.86	21.71	79	5.53	4	3.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10A	16:51:57	3.3	Middle	2	1	28.84	7.85	22.45	77.7	5.43	4	4
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10A	16:52:25	3.3	Middle	2	2	28.85	7.86	22.45	77.3	5.43	4	3.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10A	16:52:14	5.5	Bottom	3	1	28.96	7.85	22.33	78.5	5.5	4	3.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10A	16:51:50	5.5	Bottom	3	2	29	7.85	22.25	78.7	5.51	4	3.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10B	17:01:06	1.0	Surface	1	1	29.11	7.87	21.66	78.5	5.5	4.1	3.8
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10B	17:00:50	1.0	Surface	1	2	29.17	7.87	21.72	78.9	5.52	4.2	4.3
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10B	17:00:41	4.0	Bottom	3	1	29.05	7.86	22.18	78.4	5.49	4.1	5.1
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	SR10B	17:00:57	4.0	Bottom	3	2	28.99	7.86	22.33	78.5	5.49	4.1	5.2
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS2	15:11:41	1.0	Surface	1	1	29.32	7.93	18.99	81.6	5.62	4.5	3.7
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS2	15:10:33	1.0	Surface	1	2	29.3	7.89	19.04	82	5.65	4.7	3.5
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS2	15:11:21	4.0	Middle	2	1	27.92	7.89	22.23	68.5	4.74	5.1	5.6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS2	15:10:05	4.0	Middle	2	2	27.89	7.88	22.27	68	4.71	5.2	5.3
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS2	15:09:38	7.0	Bottom	3	1	27.77	7.87	22.48	67.1	4.65	5.6	6.4
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS2	15:11:03	7.0	Bottom	3	2	27.77	7.87	22.42	67.1	4.65	5.9	6
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS(MF)5	16:17:39	1.0	Surface	1	1	28.41	7.83	22.12	73.8	5.11	8.6	5
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS(MF)5	16:18:17	1.0	Surface	1	2	28.53	7.85	21.88	73.1	5.09	8.1	5.4
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS(MF)5	16:18:01	6.0	Middle	2	1	27.08	7.85	25.07	72.8	5.07	8.3	6.8
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS(MF)5	16:17:26	6.0	Middle	2	2	27.92	7.83	25.25	72.1	5.03	8.6	6.5
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS(MF)5	16:17:51	11.0	Bottom	3	1	26.55	7.85	28.16	69.3	4.92	8.6	13.9
HKLR	HY/2011/03	2014-08-15	Mid-Ebb	Sunny	CS(MF)5	16:17:13	11.0	Bottom	3	2	26.65	7.83	27.92	68.4	4.86	8.4	13.9
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	ISS	11:06:08	1.0	Surface	1	1	28.55	7.83	21.97	75.4	5.33	8.5	7.8
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	ISS	11:06:40	1.0	Surface	1	2	28.53	7.83	21.99	75.1	5.31	8.3	7.7
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	ISS	11:05:58	4.4	Middle	2	1	28.31	7.82	22.24	74.4	5.28	8.5	7.8
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	ISS	11:06:31	4.4	Middle	2	2	28.3	7.82	22.24	74.1	5.25	8.5	7.8
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	ISS	11:05:48	7.7	Bottom	3	1	28.34	7.81	22.24	75.2	5.33	8.7	9.7
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	ISS	11:06:22	7.7	Bottom	3	2	28.28	7.82	22.29	74.5	5.29	8.9	9.6
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS(MF)6	10:58:13	1.0	Surface	1	1	28.88	7.82	20.96	78.2	5.52	6.6	5.9
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS(MF)6	10:57:57	1.0	Surface	1	2	28.91	7.82	20.94	78.5	5.54	6.5	6
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS(MF)6	10:57:48	2.2	Bottom	3	1	28.77	7.82	21.26	78.4	5.54	6.5	7
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS(MF)6	10:58:04	2.2	Bottom	3	2	28.77	7.82	21.25	78.1	5.52	6.7	7.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS7	10:51:30	1.0	Surface	1	1	28.53	7.82	21.7	77	5.45	6.8	4.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS7	10:51:08	1.0	Surface	1	2	28.54	7.82	21.69	77.1	5.46	6.7	4.6
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS7	10:50:54	2.2	Bottom	3	1	28.5	7.82	21.83	77.4	5.47	6.9	5.6
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS7	10:51:17	2.2	Bottom	3	2	28.5	7.82	21.8	77.1	5.45	6.8	5.5
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS8	10:25:20	1.0	Surface	1	1	28.64	7.8	20.17	75.2	5.36	12.6	19
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS8	10:24:44	3.1	Bottom	3	1	28.65	7.79	20.15	75.5	5.38	12.3	18.6
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS8	10:25:10	3.1	Bottom	3	2	28.55	7.79	20.42	75.5	5.38	12.5	23.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS(MF)9	10:44:32	1.0	Surface	1	1	28.46	7.8	21.61	76	5.39	12.2	10.3
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS(MF)9	10:44:52	1.0	Surface	1	2	28.55	7.79	20.34	75.2	5.36	12.2	23.5
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS(MF)9	10:44:21	2.5	Bottom	3	1	28.43	7.81	21.71	75.5	5.36	12.3	10.3
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS(MF)9	10:44:41	2.5	Bottom	3	2	28.31	7.8	22.15	75.6	5.36	12.4	12.2
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS10	10:02:12	1.0	Surface	1	1	28.21	7.94	19.72	71.1	4.94	10.8	3.5
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS10	10:01:06	1.0	Surface	1	2	28.24	7.95	19.71	70.7	4.91	11	3.2
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS10	10:00:46	5.2	Middle	2	1	27.41	7.94	23.64	62.2	4.31	13.4	3.7
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS10	10:01:49	5.2	Middle	2	2	27.4	7.94	23.61	62.6	4.34	13.7	3.6
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS10	10:00:23	9.4	Bottom	3	1	27.35	7.93	23.89	61.9	4.29	18.6	4.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	IS10	10:01:28	9.4	Bottom	3	2	27.33	7.93	23.86	61.5	4.26	17.2	4.3
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR3	11:13:18	0.7	Middle	2	1	28.66	7.83	21.9	77.2	5.45	6	8.3
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR4	10:33:06	1.0	Surface	1	1	28.66	7.8	20.08	77.5	5.52	12.9	11.4
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR4	10:33:22	1.0	Surface	1	2	28.69	7.8	20.09	78.4	5.46	12.8	11.5
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR4	10:32:58	2.7	Bottom	3	1	28.65	7.8	20.08	76.7	5.58	13.2	12.8
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR4	10:33:13	2.7	Bottom	3	2	28.65	7.8	20.09	77	5.49	12.8	12.8

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	2014-08-15	Mid-Flood	Sunny	SR5	10:11:34	1.0	Surface	1	1	28.25	7.95	20.4	69.1	4.81	11.1	2.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR5	10:12:16	1.0	Surface	1	2	28.24	7.95	20.38	68.6	4.76	11	2
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR5	10:11:21	4.0	Bottom	3	1	27.5	7.93	23.35	65.3	4.53	14.1	3.9
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR5	10:11:55	4.0	Bottom	3	2	27.49	7.93	23.34	64.4	4.47	14.3	3.9
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10A	09:00:45	1.0	Surface	1	1	28.13	7.76	21.75	71.8	5.12	5.8	3.4
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10A	09:00:07	1.0	Surface	1	2	28.2	7.74	21.57	72.6	5.18	5.6	3.4
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10A	09:00:36	3.2	Middle	2	1	27.99	7.75	22.1	70.8	5.06	5.9	7.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10A	08:59:56	3.2	Middle	2	2	27.97	7.74	21.96	71.4	5.1	6	6.8
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10A	09:00:22	5.4	Bottom	3	1	27.78	7.74	23.4	71	5.05	5.8	9.2
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10A	08:59:48	5.4	Bottom	3	2	28.03	7.72	23.25	72.3	5.13	6	9.9
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10B	08:54:30	1.0	Surface	1	1	26.26	7.71	27.42	71.2	5.08	13.6	9.2
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10B	08:54:45	1.0	Surface	1	2	26.3	7.71	27.39	70.9	5.05	13.5	9.4
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10B	08:54:22	4.0	Bottom	3	1	26.18	7.71	28.56	71.7	5.09	13.6	11.4
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	SR10B	08:54:36	4.0	Bottom	3	2	26.26	7.7	28.39	71	5.05	13.5	11.6
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS2	11:15:32	1.0	Surface	1	1	28.44	7.96	20.02	70	4.87	6.2	4.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS2	11:16:38	1.0	Surface	1	2	28.45	7.96	20.05	70	4.85	6.1	3.9
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS2	11:16:18	3.9	Middle	2	1	27.92	7.95	22.06	67.2	4.66	6.5	5.2
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS2	11:15:09	3.9	Middle	2	2	27.93	7.95	22.02	66.9	4.64	6.7	5.3
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS2	11:15:53	6.8	Bottom	3	1	27.64	7.94	22.78	66.5	4.61	7.7	7.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS2	11:14:39	6.8	Bottom	3	2	27.64	7.94	22.79	66.1	4.59	7.4	6.8
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS(MF)5	09:52:13	1.0	Surface	1	1	28.22	7.79	20.67	71.2	5.09	10.5	3.4
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS(MF)5	09:52:40	1.0	Surface	1	2	28.1	7.8	20.76	71	5.08	10.5	3.2
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS(MF)5	09:52:03	6.3	Middle	2	1	27.62	7.78	23.77	70.2	5.05	11.2	4.4
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS(MF)5	09:52:30	6.3	Middle	2	2	27.67	7.79	23.69	70.5	5.03	11.5	4.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS(MF)5	09:52:21	11.6	Bottom	3	1	28.1	7.77	23.53	69.8	4.94	11.3	5.1
HKLR	HY/2011/03	2014-08-15	Mid-Flood	Sunny	CS(MF)5	09:51:50	11.6	Bottom	3	2	27.64	7.77	23.79	68.3	4.87	11.4	5.3
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS5	08:30:46	1.0	Surface	1	1	29.48	7.98	18.22	82.5	5.69	7.5	3.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS5	08:31:21	1.0	Surface	1	2	29.47	7.97	18.23	86.4	5.96	7	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS5	08:31:01	4.1	Middle	2	1	28.19	7.92	23.56	79.9	5.44	12.1	3.8
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS5	08:30:30	4.1	Middle	2	2	27.92	7.91	24.21	78.7	5.36	12.7	3.7
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS5	08:30:55	7.2	Bottom	3	1	27.01	7.91	27.95	69.7	4.77	10.7	5.2
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS(MF)6	08:14:37	1.0	Surface	1	1	29.66	7.96	18.39	91.3	6.28	6.5	3.3
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS(MF)6	08:14:19	1.0	Surface	1	2	29.66	7.94	18.54	90.2	6.19	6.1	2.7
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS(MF)6	08:14:12	2.1	Bottom	3	1	29.69	7.92	19.59	91.4	6.23	8.2	9.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS(MF)6	08:14:25	2.1	Bottom	3	2	30.02	7.92	19.98	90	6.14	8.6	9.4
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS7	08:07:24	1.0	Surface	1	1	30.05	7.95	18.2	98	6.7	5.3	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS7	08:07:38	1.0	Surface	1	2	30.05	7.96	18.23	98.1	6.7	5.3	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS7	08:07:16	2.1	Bottom	3	1	30.13	7.93	19.44	98.4	6.67	6.1	2.9
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS8	07:35:03	1.0	Surface	1	1	29.68	7.93	18.69	91.3	6.26	5	2.9
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS8	07:35:22	1.0	Surface	1	2	29.69	7.94	18.67	90.4	6.2	5.2	2.8
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS8	07:35:13	2.6	Bottom	3	1	29.62	7.91	19.73	91.1	6.22	5.7	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS8	07:34:54	2.6	Bottom	3	2	29.63	7.91	19.73	91.3	6.23	5.8	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS(MF)9	07:58:25	1.0	Surface	1	1	29.64	7.95	18.26	97.1	6.68	6.2	2.2
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS(MF)9	07:58:43	1.0	Surface	1	2	29.68	7.96	18.15	95.8	6.59	6.3	2.5
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS(MF)9	07:58:33	2.2	Bottom	3	1	29.77	7.92	19.2	96	6.55	9.5	2.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS(MF)9	07:58:15	2.2	Bottom	3	2	29.67	7.94	18.49	97.1	6.67	9.6	2.9
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS10	07:19:27	1.0	Surface	1	1	29.08	8.07	14.58	87.7	6.21	4.8	2.7
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS10	07:18:31	1.0	Surface	1	2	29.09	8.08	14.57	88.2	6.25	4.7	2.7
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS10	07:18:14	5.3	Middle	2	1	28.84	8	18.05	74.6	5.21	5.2	2.5
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS10	07:19:11	5.3	Middle	2	2	28.86	8.01	17.92	75	5.24	5.3	2.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS10	07:17:53	9.6	Bottom	3	1	26.42	7.91	27.41	70.9	4.92	5.5	2.8
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	IS10	07:18:52	9.6	Bottom	3	2	26.2	7.92	27.46	71.1	4.92	5.6	3.3
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR3	08:43:02	0.8	Middle	2	1	29.48	7.98	18.19	92.7	6.4	5.2	3.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR3	08:43:10	0.8	Middle	2	2	29.48	7.98	18.17	92.9	6.41	5.2	3.4
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR4	07:43:24	1.0	Surface	1	1	29.62	7.93	18.97	83.8	5.74	5.8	3.4

Water Quarterly 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	2014-08-18	Mid-Ebb	Sunny	SR4	07:43:41	1.0	Surface	1	2	29.65	7.94	18.69	87	5.97	5.4	3.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR4	07:43:16	2.6	Bottom	3	1	29.56	7.89	19.81	80.6	5.5	7.2	3.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR4	07:43:31	2.6	Bottom	3	2	29.59	7.91	19.77	85	5.81	6.7	3.9
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR5	07:26:35	1.0	Surface	1	1	29.08	8.07	14.55	90.5	6.42	2	2.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR5	07:26:56	1.0	Surface	1	2	29.1	8.09	14.52	93.5	6.63	2.1	2.3
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR5	07:26:42	4.0	Bottom	3	1	29.06	8.05	16.76	92	6.44	2.2	3.2
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR5	07:26:27	4.0	Bottom	3	2	29.08	8.04	16.84	90.9	6.37	2.1	3.8
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10A	06:17:54	1.0	Surface	1	1	29.18	7.77	17.55	85.2	5.93	2.4	2.5
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10A	06:18:23	1.0	Surface	1	2	29.18	7.79	17.65	84.7	5.89	2.3	2.7
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10A	06:18:14	3.4	Middle	2	1	29.13	7.79	17.9	83.7	5.82	2.3	2.8
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10A	06:17:38	5.7	Bottom	2	2	29.12	7.75	18.42	83.4	5.78	2.3	2.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10A	06:17:27	3.4	Middle	2	1	29.1	7.74	19.18	84.3	5.82	2.3	3.5
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10A	06:18:06	5.7	Bottom	3	2	29.08	7.78	18.76	84	5.82	2.3	3.3
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10B	06:02:24	1.0	Surface	1	2	28.09	7.72	21.09	73.8	5.13	3.1	3.2
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10B	06:02:02	1.0	Surface	1	2	28.05	7.7	21	74	5.15	3.4	2.9
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10B	06:02:10	3.9	Bottom	3	1	27.81	7.7	22.84	73.1	5.05	3.4	4.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	SR10B	06:01:53	3.9	Bottom	3	2	27.99	8.02	23.33	74	5.12	3.5	4.2
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS2	08:42:07	1.0	Surface	1	1	29.12	8.02	13.96	80.2	5.7	3.4	2
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS2	08:41:13	1.0	Surface	1	2	29.11	8.03	13.91	80.7	5.73	3.6	2.5
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS2	08:40:57	4.0	Middle	2	1	28.31	7.96	20.39	71.9	5	3.9	3.6
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS2	08:41:53	4.0	Middle	2	2	28.57	7.98	18.69	72.6	5.07	3.7	3.9
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS2	08:40:25	6.9	Bottom	3	1	27.31	7.9	23.84	70.2	4.87	3.8	3.8
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS2	08:41:34	6.9	Bottom	3	2	27.62	7.92	23.8	68.2	4.71	3.8	4.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS(MF)5	06:57:54	1.0	Surface	1	1	29.19	7.8	16.76	80.5	5.63	3.2	2.2
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS(MF)5	06:57:09	1.0	Surface	1	2	29.18	7.8	16.77	80.5	5.61	3.5	2.3
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS(MF)5	06:57:36	6.8	Middle	2	1	28.41	7.76	21.65	73.2	5.04	3.6	2.1
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS(MF)5	06:56:52	6.8	Middle	2	2	28.22	7.73	22.02	76	5.23	3.6	2.3
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS(MF)5	06:56:46	12.5	Bottom	3	1	28.26	7.73	22.48	72.1	4.98	3.6	2.5
HKLR	HY/2011/03	2014-08-18	Mid-Ebb	Sunny	CS(MF)5	06:57:26	12.5	Bottom	3	2	28.04	7.75	22.92	70.7	4.87	3.7	2.3
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS5	12:25:03	1.0	Surface	1	1	29.9	7.99	20.01	84.5	5.73	8	3.5
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS5	12:24:31	1.0	Surface	1	2	29.86	7.99	20.09	85	5.77	7.7	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS5	12:24:50	4.3	Middle	2	1	28.31	7.87	24.17	78.5	5.33	12.3	3.6
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS5	12:24:18	4.3	Middle	2	2	28.22	7.87	24.36	78	5.29	12.9	3.5
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS5	12:24:44	7.5	Bottom	3	1	28.12	7.87	25.33	72.8	4.95	12	3.6
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS5	12:24:10	7.5	Bottom	3	2	27.84	7.86	26.21	73.1	4.96	12.8	3.8
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS(MF)6	12:36:06	1.0	Surface	1	1	30.07	8.01	19.43	102.8	6.98	7.2	3.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS(MF)6	12:35:49	1.0	Surface	1	2	30.12	8	19.48	104.7	7.1	6.9	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS(MF)6	12:35:41	2.2	Bottom	3	1	29.97	7.96	20.42	105.5	7.13	8.6	4.4
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS(MF)6	12:35:56	2.2	Bottom	3	2	29.87	7.96	20.77	103.9	7.02	8.7	3.7
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS7	12:43:21	1.0	Surface	1	1	30.62	8.01	19.63	100.4	6.75	11.3	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS7	12:43:03	1.0	Surface	1	2	30.64	8	19.63	102.3	6.87	10.6	3.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS7	12:43:13	2.1	Bottom	3	1	30.13	7.91	20.15	99.6	6.73	11.4	4.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS7	12:42:55	2.1	Bottom	3	2	30.46	7.96	19.96	102.5	6.89	12.3	4
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS8	13:09:28	1.0	Surface	1	1	29.95	8.01	18.11	104.2	7.14	7.3	1.9
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS8	13:09:43	1.0	Surface	1	2	29.93	8.01	18.16	103.9	7.12	7.9	2.4
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS8	13:09:20	2.7	Bottom	3	1	29.95	8.01	18.31	104.5	7.15	8.1	3.4
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS8	13:09:36	2.7	Bottom	3	2	29.97	8.01	18.42	104.3	7.13	7.9	3.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS(MF)9	12:50:30	1.0	Surface	1	1	30.45	8.07	18.81	113.4	7.67	5.6	2.4
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS(MF)9	12:50:14	1.0	Surface	1	2	30.45	8.07	18.85	113	7.65	5.7	2.8
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS(MF)9	12:50:20	2.4	Bottom	3	1	30.36	8.06	18.99	112.8	7.63	6.8	4
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS(MF)9	12:50:05	2.4	Bottom	3	2	30.45	8.06	18.92	112.5	7.61	6.5	4.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS10	13:40:29	1.0	Surface	1	1	29.76	8.07	13.9	86.9	6.04	4.9	2.3
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS10	13:39:39	1.0	Surface	1	2	29.65	8.07	14.13	85.9	6.11	4.8	2.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS10	13:39:25	5.3	Middle	2	1	28.64	7.98	20.75	74.1	5.11	5.3	2.5
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS10	13:40:14	9.3	Middle	2	2	28.85	8	20.48	73.7	5.09	5.2	2.7
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS10	13:39:12	5.5	Bottom	3	1	26.3	7.92	27.82	70.1	4.84	5.5	3.5
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	IS10	13:39:58	9.5	Bottom	3	2	26.27	7.92	27.85	68.4	4.72	5.3	3.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR3	12:13:14	0.8	Middle	2	1	29.99	7.96	19.85	102.1	6.92	4.5	4.4
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR3	12:13:06	0.8	Middle	2	2	29.99	7.95	19.81	101.7	6.9	4.7	4.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR4	13:01:15	1.0	Surface	1	1	29.96	8	17.69	104.1	7.15	6.7	1.3
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR4	13:01:29	1.0	Surface	1	2	29.98	8.01	17.7	104.7	7.19	6.8	1.6
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR4	13:01:07	2.5	Bottom	3	1	29.97	8	18.61	103.8	7.09	7.5	2.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR4	13:01:21	2.5	Bottom	3	2	30.01	8.01	18.58	104.6	7.14	7.5	2.3
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR5	13:27:48	1.0	Surface	1	1	29.66	8.07	13.93	97.1	6.84	3.2	3.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR5	13:27:29	1.0	Surface	1	2	29.58	8.07	13.83	97.2	6.85	3.2	3.5
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR5	13:27:38	4.1	Bottom	3	1	29.26	8.04	17.32	96.6	6.72	3.3	3.7
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR5	13:27:20	4.1	Bottom	3	2	29.24	8.03	17.33	96.8	6.74	3.4	4.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10A	14:18:08	1.0	Surface	1	1	29.12	7.97	19.13	87.3	6.03	2.3	2.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10A	14:18:41	1.0	Surface	1	2	29.17	7.99	19	87.8	6.07	2.5	1.6
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10A	14:18:31	3.4	Middle	2	1	28.56	7.96	21.96	86.9	5.97	2.4	3.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10A	14:17:56	3.4	Middle	2	2	28.32	7.96	22.41	86.2	5.92	2.5	3.2
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10A	14:17:41	5.8	Bottom	3	1	28.31	8.02	23.38	89.5	6.12	2.4	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10B	14:32:22	1.0	Surface	1	1	29.41	8.01	18.77	90.9	6.26	2.5	1.6
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10B	14:32:00	1.0	Surface	1	2	29.29	8	18.84	89.5	6.17	2.4	1.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10B	14:31:49	4.3	Bottom	3	1	28.76	7.98	22.21	88	6.01	2.4	1.9
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	SR10B	14:32:09	4.3	Bottom	3	2	28.73	7.99	22.33	88.4	6.04	2.5	2.3
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS2	12:11:41	1.0	Surface	1	1	29.57	7.93	13.84	85.3	6.02	4.2	3.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS2	12:12:29	1.0	Surface	1	2	29.55	7.98	14.02	85.6	6.04	4.4	3.3
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS2	12:11:19	4.1	Middle	2	1	27.84	7.81	22.87	74.1	5.11	7.4	3.6
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS2	12:12:13	4.1	Middle	2	2	28.39	7.88	22.12	76.3	5.25	7.2	3.4
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS2	12:11:56	7.1	Bottom	3	1	27.55	7.83	23.72	74.3	5.13	7.5	4.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS2	12:10:52	7.1	Bottom	3	2	27.53	7.7	23.88	73.6	5.05	7.6	4.1
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS(MF)5	13:43:52	1.0	Surface	1	1	29.87	8.07	17.36	92.6	6.38	2.9	3.3
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS(MF)5	13:44:47	1.0	Surface	1	2	29.86	8.08	17.33	89.7	6.18	3.2	3.5
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS(MF)5	13:44:27	6.9	Middle	2	1	26.79	7.9	27.56	76.8	5.32	5.2	4.5
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS(MF)5	13:43:28	6.9	Middle	2	2	26.98	7.88	27.73	77.6	5.39	5.5	4.6
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS(MF)5	13:44:19	12.7	Bottom	3	1	26.82	7.88	28.15	72	4.93	6.4	6
HKLR	HY/2011/03	2014-08-18	Mid-Flood	Sunny	CS(MF)5	13:43:17	12.7	Bottom	3	2	26.58	7.89	28.34	71.6	4.9	5.8	5.1
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS5	10:43:33	1.0	Surface	1	1	28.8	8.08	15.66	81.6	5.8	7.9	6
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS5	10:42:50	1.0	Surface	1	2	28.87	8.07	16.01	80.5	5.68	7.6	6.6
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS5	10:42:29	4.3	Middle	2	1	27.63	7.95	24.97	74.3	5.06	8.1	6.2
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS5	10:43:10	4.3	Middle	2	2	26.68	7.96	27.56	75.6	5.14	8.1	6.3
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS5	10:42:14	7.6	Bottom	3	1	26.21	7.96	30.25	71.6	4.88	8.2	6.9
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS5	10:43:00	7.6	Bottom	3	2	26.25	7.96	30.34	74.2	5.05	8.2	6.8
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS(MF)6	10:34:36	1.0	Surface	1	1	29.06	8.09	15.25	91.5	6.47	5.3	4.1
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS(MF)6	10:34:56	1.0	Surface	1	2	28.92	8.09	15.06	86.8	6.15	5.3	4.2
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS(MF)6	10:34:25	2.2	Bottom	3	1	29.01	8.02	18.51	92.9	6.45	5.3	3.7
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS(MF)6	10:34:48	2.2	Bottom	3	2	28.82	7.97	17.92	86.6	6.05	5.3	4
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS7	10:28:17	1.0	Surface	1	1	29.17	8.08	15.52	91.4	6.43	10.4	5.3
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS7	10:28:01	1.0	Surface	1	2	29.17	8.08	15.74	91.9	6.46	10.7	5.7
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS7	10:27:51	2.2	Bottom	3	1	29.37	8.06	17.22	92.6	6.43	10.6	5.6
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS7	10:28:08	2.2	Bottom	3	2	29.55	8.05	17.19	92.3	6.4	10.5	5.7
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS8	10:05:04	1.0	Surface	1	1	29.22	8.01	16.62	85.7	5.99	7.6	4.8
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS8	10:05:11	2.9	Bottom	3	2	29.07	8.04	15.49	87.3	6.16	7.7	4.7
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS8	10:04:55	2.9	Bottom	3	1	29.43	7.94	19.72	88.7	6.07	8.4	5.1
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS(MF)9	10:17:18	1.0	Surface	1	1	29.22	8.08	15.74	91.7	6.44	5.8	2.4
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS(MF)9	10:17:36	1.0	Surface	1	2	29.17	8.08	15.63	90.1	6.34	5.8	2.5
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS(MF)9	10:17:05	2.7	Bottom	3	1	29.37	8.03	18.73	91.1	6.28	5.8	6
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS(MF)9	10:17:25	2.7	Bottom	3	2	29.31	8.03	19.27	91.9	6.32	5.7	5.9
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS10	09:40:25	1.0	Surface	1	1	28.65	8.04	15.55	85.3	6.02	2.6	3
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS10	09:41:07	1.0	Surface	1	2	28.67	8.08	15.09	88.7	6.07	2.7	3
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS10	09:40:49	4.9	Middle	2	1	27.92	7.99	19.44	77.6	5.36	3	3

Water Quarterly 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	2014-08-20	Mid-Ebb	Rainy	IS10	09:40:07	4.9	Middle	2	2	27.7	7.93	20.48	75.7	5.26	2.9	3.2
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS10	09:40:39	8.8	Bottom	3	1	27.23	7.94	24.63	71.8	5.05	3.2	5.4
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	IS10	09:40:01	8.8	Bottom	3	2	27.28	7.9	23.36	71.6	5.03	3	5.7
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR3	10:51:21	0.7	Middle	2	1	28.72	8.07	15.19	91.7	6.51	6.9	6.4
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR3	10:51:12	0.7	Middle	2	2	28.72	8.07	15.17	91	6.47	6.9	6.1
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR4	10:10:32	1.0	Surface	1	1	29.06	8.07	14.93	91.9	6.5	4.7	4
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR4	10:10:44	1.0	Surface	2	2	29.09	8.08	14.89	92.3	6.53	4.7	4.6
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR4	10:10:38	2.6	Bottom	3	1	29.14	8.05	18.14	94.2	6.54	5.6	4.8
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR4	10:10:24	2.6	Bottom	3	2	29.05	8.04	18.73	95.3	6.6	5.7	4.3
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR5	09:50:10	1.0	Surface	1	1	28.68	8.12	14.48	91.2	6.51	2.5	3.2
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR5	09:49:42	1.0	Surface	1	2	28.62	8.09	15.2	86.3	6.14	2.4	3.2
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR5	09:49:51	3.8	Bottom	3	1	28.47	8.06	18.67	87.7	6.13	2.5	4.9
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR5	09:49:31	3.8	Bottom	3	2	28.36	8.04	18.67	84.7	5.94	2.6	3.8
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10A	08:50:07	1.0	Surface	1	1	28.77	8	15.87	96.5	6.83	2.4	4
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10A	08:50:34	1.0	Surface	1	2	28.77	8.03	15.65	96.7	6.85	2.4	4.3
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10A	08:50:00	3.4	Middle	2	1	28.72	7.99	16.59	96.5	6.8	2.5	5
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10A	08:50:25	3.4	Middle	2	2	28.72	8.01	16.41	95.9	6.76	2.5	4.9
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10A	08:50:17	5.7	Bottom	3	1	28.72	8	16.47	96.1	6.78	2.6	5.1
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10A	08:49:52	5.7	Bottom	3	2	28.74	7.98	16.74	97.4	6.86	2.5	5
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10B	08:42:54	1.0	Surface	1	1	27.65	7.86	19.65	81.7	5.77	3.3	5.5
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10B	08:43:23	1.0	Surface	1	2	27.78	7.88	19.82	83.5	5.88	3.2	5.5
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10B	08:42:47	4.1	Bottom	3	1	27.69	7.84	21.17	81.5	5.7	3.3	6.6
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	SR10B	08:43:11	4.1	Bottom	3	2	27.64	7.87	20.3	82.8	5.82	3.3	6.1
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS2	11:06:43	1.0	Surface	1	1	28.58	8.2	13.19	89.2	6.43	3.4	4.8
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS2	11:05:43	1.0	Surface	1	2	28.63	8.2	13.21	95.8	6.89	3.3	5
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS2	11:06:27	3.8	Middle	2	1	28.04	8.07	19.95	75.4	5.28	3.6	5.4
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS2	11:05:16	3.8	Middle	2	2	27.88	8.07	20.46	77.1	5.31	3.7	5.1
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS2	11:06:06	6.5	Bottom	3	1	27.16	8.02	25.2	71	4.9	6	5.3
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS2	11:05:03	6.5	Bottom	3	2	27.15	8.02	25.34	73.3	5.13	6.1	5.8
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS(MF)5	09:28:08	1.0	Surface	1	1	28.82	8.04	15.12	85.3	6.06	3.1	4.9
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS(MF)5	09:28:51	1.0	Surface	1	2	28.81	8.04	15.23	85.5	6.06	3.2	4.9
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS(MF)5	09:27:46	6.4	Middle	2	1	27.71	7.91	22.43	74.1	5.09	3.4	4.6
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS(MF)5	09:28:32	6.4	Middle	2	2	27.86	7.92	22.2	73.9	5.05	3.5	4.5
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS(MF)5	09:27:36	11.8	Bottom	3	1	25.2	7.89	31.2	75.9	5.02	3.5	5.9
HKLR	HY/2011/03	2014-08-20	Mid-Ebb	Rainy	CS(MF)5	09:28:22	11.8	Bottom	3	2	26	7.9	30.13	72.1	4.94	3.7	5.4
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS5	15:59:06	1.0	Surface	1	1	28.88	8.09	16.21	87.4	6.16	7.7	5.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS5	15:59:47	1.0	Surface	1	2	28.87	8.1	16.21	86.4	6.09	7.7	5.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS5	15:59:28	4.3	Middle	2	1	28.53	7.96	21.88	75.7	5.17	7.7	5.1
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS5	15:58:46	4.3	Middle	2	2	28.02	7.89	23.23	76.6	5.22	7.8	5.4
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS5	15:58:18	7.6	Bottom	3	1	26.35	7.91	30.13	73.9	5.03	7.9	5.8
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS5	15:58:37	7.6	Bottom	3	2	26.3	7.89	30.39	75.6	5.14	7.9	6
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS(MF)6	16:07:52	1.0	Surface	1	1	29.08	8.12	15.78	100	7.04	9.3	3.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS(MF)6	16:07:26	1.0	Surface	1	2	29.11	8.08	15.93	100.6	7.08	9.4	3
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS(MF)6	16:07:15	2.1	Bottom	3	1	29.16	8.04	16.12	101.1	7.09	9.4	3.4
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS(MF)6	16:07:34	2.1	Bottom	3	2	29.23	8.04	17.59	100.4	6.98	9.5	2.8
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS7	16:15:12	1.0	Surface	1	1	29.21	8.08	15.97	93.7	6.58	10.6	4.8
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS7	16:14:52	1.0	Surface	1	2	29.26	8.07	15.97	93.6	6.56	10.3	4
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS7	16:15:00	2.2	Bottom	3	1	29.4	8.03	16.87	94.8	6.6	10.5	4.6
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS7	16:14:43	2.2	Bottom	3	2	29.43	8.02	17.06	95.2	6.61	10.5	5.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS8	16:39:00	1.0	Surface	1	1	29.13	7.97	16.96	87.1	5.99	10.5	12
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS8	16:38:42	1.0	Surface	1	2	29.16	8	16.83	84	5.87	10.2	11.6
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS8	16:38:52	3.0	Bottom	3	1	29.12	7.9	20.05	84	5.77	10.4	12.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS8	16:38:33	3.0	Bottom	3	2	29.19	7.95	19.88	88.2	6.06	10.4	11.5
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS(MF)9	16:22:09	1.0	Surface	1	1	29.03	8.09	16.15	96.8	6.81	12.3	5.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS(MF)9	16:22:25	1.0	Surface	1	2	29.07	8.08	16.28	96.5	6.77	12.6	4.9
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS(MF)9	16:21:56	2.6	Bottom	3	1	29.09	8.04	16.61	97	6.8	12.5	6.1
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS(MF)9	16:22:16	2.6	Bottom	3	2	29.06	8.07	16.37	98.3	6.9	12.7	6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS10	17:01:45	1.0	Surface	1	1	28.58	8.15	12.02	90.1	6.53	4.8	4.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS10	17:00:51	1.0	Surface	1	2	28.57	8.16	12.26	87.5	6.34	5	4.5
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS10	17:01:23	5.1	Middle	2	1	27.99	8.07	18.87	78.1	5.35	6.7	4.4
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS10	17:00:36	5.1	Middle	2	2	28.06	8.07	28.06	78.5	5.38	6.5	4.7
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS10	17:00:23	9.1	Bottom	3	1	27.45	7.99	25.56	75.5	5.31	6.7	4.9
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	IS10	17:01:13	9.1	Bottom	3	2	27.4	8	25.36	74.9	5.28	6.8	4.7
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR3	15:51:48	0.7	Middle	2	1	28.91	7.92	16.05	101.9	7.18	4.9	4.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR3	15:51:42	0.7	Middle	2	2	28.92	7.92	16.03	102	7.19	4.7	3.9
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR4	16:32:45	1.0	Surface	1	1	28.84	7.9	16.14	84.1	5.93	10.6	9.7
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR4	16:33:04	1.0	Surface	1	2	28.73	7.93	16.29	81.7	5.9	10.7	9.9
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR4	16:32:35	2.6	Bottom	3	1	28.66	7.87	17.04	87	6.12	10.4	10
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR5	16:32:53	2.6	Bottom	3	2	29.08	7.9	17.77	82.7	5.76	10.5	9.8
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR5	16:50:55	1.0	Surface	1	1	28.56	8.15	12.31	94.8	6.86	4	3.4
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR5	16:50:46	3.8	Bottom	3	1	28.55	8.15	12.16	95	6.89	4.2	3.1
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR5	16:51:07	3.8	Bottom	3	2	28.47	8.1	15.78	94.1	6.69	4.2	3.6
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10A	17:52:18	1.0	Surface	1	1	27.66	8	21.68	74.3	5.18	2.8	2.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10A	17:53:14	1.0	Surface	1	2	27.15	7.99	24.27	76.3	5.25	2.7	2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10A	17:52:49	3.2	Middle	2	1	26.79	7.98	25.43	73.7	5.13	2.8	2.1
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10A	17:52:40	3.2	Middle	2	2	26.99	7.98	24.81	73.3	5.06	2.7	3
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10A	17:51:45	5.4	Bottom	3	1	27.03	7.94	25.51	69.4	4.81	2.8	3.8
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10B	18:00:12	1.0	Surface	1	1	27.34	8	22.74	74.5	5.17	2.5	1.9
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10B	18:00:25	1.0	Surface	1	2	27.39	8.01	22.61	74.1	5.14	2.5	1.8
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10B	18:00:04	4.0	Bottom	3	1	27.39	7.99	24.73	73.3	5.11	2.5	2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	SR10B	18:00:17	4.0	Bottom	3	1	27.43	7.99	24.25	73.1	5.09	2.6	2.1
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS2	15:35:12	1.0	Surface	1	1	28.6	7.89	12.28	84.5	6.11	4.7	4.3
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS2	15:35:59	1.0	Surface	1	2	28.69	7.91	13.93	86.2	6.17	4.5	4.1
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS2	15:34:57	3.7	Middle	2	1	27.99	7.8	20.2	76.1	5.23	4.9	4.2
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS2	15:35:45	3.7	Middle	2	2	28.15	7.84	16.75	74.9	5.26	5	4.5
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS2	15:34:39	6.3	Bottom	3	1	27.64	7.73	24.38	73	5.12	6.6	4.8
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS2	15:35:28	6.3	Bottom	3	2	27.3	7.71	24.79	74.8	5.24	6.2	4.5
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS(MF)5	17:19:20	1.0	Surface	1	1	28.56	8.05	17.03	81	5.71	7.5	2.4
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS(MF)5	17:18:32	1.0	Surface	1	2	28.55	8.03	17.32	80.9	5.7	7.4	2.9
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS(MF)5	17:18:55	6	Middle	2	1	25.99	7.94	28.56	75.7	5.13	7.8	2.9
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS(MF)5	17:18:06	6	Middle	2	2	25.65	7.93	29.06	74.9	5.03	7.5	2.8
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS(MF)5	17:18:44	11	Bottom	3	1	25.12	7.94	32.09	75.4	5.08	7.6	2.9
HKLR	HY/2011/03	2014-08-20	Mid-Flood	Rainy	CS(MF)5	17:17:58	11	Bottom	3	2	25.16	7.94	31.98	69.8	4.8	7.4	3.4
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS5	12:17:59	1.0	Surface	1	1	28.84	8.01	15.39	76.7	5.43	8.3	4.4
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS5	12:17:05	1.0	Surface	1	2	28.82	7.98	15.52	76.3	5.41	8.3	5.3
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS5	12:16:42	4.2	Middle	2	1	26.9	7.96	25.22	71.1	5.08	8.5	3.3
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS5	12:17:31	4.2	Middle	2	2	26.74	7.95	26.39	70.9	5.09	8.6	3.1
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS5	12:16:32	7.4	Bottom	3	1	26.69	7.95	26.98	70.1	5.01	8.7	4.3
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS5	12:17:22	7.4	Bottom	3	2	26.64	7.94	27.09	70.3	5.02	8.8	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS(MF)6	12:08:28	1.0	Surface	1	1	29.25	8.04	18	82.8	5.74	6.4	2.5
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS(MF)6	12:08:14	1.0	Surface	1	2	29.41	8.05	18.03	81	5.6	6.5	3.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS(MF)6	12:08:20	2.1	Bottom	3	1	29.08	8.01	20.68	82.8	5.67	6.6	3.3
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS(MF)6	12:08:02	2.1	Bottom	3	2	28.12	7.98	21.69	81.8	5.66	6.7	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS7	12:01:48	1.0	Surface	1	1	28.74	8.1	18.34	80.9	5.77	8.5	3.1
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS7	12:02:04	1.0	Surface	1	2	28.72	8.07	18.43	82.7	5.64	8.4	2.1
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS7	12:01:55	2.3	Bottom	3	1	28.62	8	20.81	84	5.8	8.6	3.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS7	12:01:36	2.3	Bottom	3	2	28.55	7.93	21.55	81.2	5.58	8.7	3.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS8	11:38:27	1.0	Surface	1	1	28.56	8.01	19.35	76.4	5.32	4.7	3.7
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS8	11:38:55	1.0	Surface	1	2	28.59	8.01	19.34	78.7	5.48	4.8	2.5
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS8	11:38:39	3.1	Bottom	3	1	28.24	7.92	20.99	73.9	5.12	4.7	2.4
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS8	11:38:16	3.1	Bottom	3	2	27.91	7.91	21.43	75	5.22	4.7	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS(MF)9	11:55:23	1.0	Surface	1	1	28.9	8.04	17.9	84	5.86	9.8	2.9

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS(MF)9	11:55:10	1.0	Surface	1	2	28.88	8.03	17.91	84.7	5.91	9.5	2.4
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS(MF)9	11:55:15	2.7	Bottom	3	1	28.88	8.02	21.97	86.2	5.88	9.6	2.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS(MF)9	11:55:03	2.7	Bottom	3	2	28.92	8.02	21.7	86.7	5.92	9.6	2.7
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS10	11:26:50	1.0	Surface	1	1	28.52	7.93	14.84	81.1	5.78	3.2	3.4
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS10	11:26:11	1.0	Surface	1	2	28.54	7.93	14.93	80.7	5.76	3	3
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS10	11:25:50	4.9	Middle	2	1	27.11	7.84	22.81	77.1	5.32	4.7	3.3
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS10	11:26:31	4.9	Middle	2	2	27.36	7.87	21.01	76.9	5.35	5	3.2
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS10	11:25:44	8.7	Bottom	3	1	27.46	7.82	24.01	72.3	5.06	4	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	IS10	11:26:24	8.7	Bottom	3	2	27.53	7.84	22.85	73.5	5.18	3.6	2.2
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR3	12:23:37	0.6	Middle	2	1	28.89	8	15.15	84.1	5.96	5.6	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR3	12:23:31	0.6	Middle	2	2	28.89	8	15.12	83.7	5.93	5.5	2.1
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR4	11:44:58	1.0	Surface	1	1	28.81	7.97	14.8	75.1	5.46	5.3	2.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR4	11:44:45	1.0	Surface	1	2	28.82	7.96	15.07	75.1	5.33	5.2	2.9
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR4	11:44:36	2.6	Bottom	3	1	28.79	7.91	19.04	74.8	5.19	5.5	2.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR4	11:44:50	2.6	Bottom	3	2	28.81	7.93	19.09	76.8	5.34	5.3	2.7
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR5	11:35:34	1.0	Surface	1	1	28.35	7.93	15.12	78.9	5.65	2.5	3.2
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR5	11:35:55	1.0	Surface	1	2	28.43	7.93	15.13	80.2	5.73	2.5	2.9
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR5	11:35:44	3.8	Bottom	3	1	28.08	7.88	18.96	79.5	5.59	2.4	3.9
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR5	11:35:24	3.8	Bottom	3	2	27.93	7.87	19	77.7	5.49	2.6	3.5
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10A	10:22:29	1.0	Surface	1	1	28.48	7.81	15.34	74.4	5.31	3.6	2.5
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10A	10:23:11	1.0	Surface	1	2	28.43	7.83	15.94	74.1	5.27	3.7	2.2
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10A	10:22:20	3.2	Middle	2	1	28.18	7.83	18.15	73.6	5.19	3.7	3.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10A	10:23:01	3.2	Middle	2	2	28.14	7.85	18.12	73.9	5.21	3.6	3.9
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10A	10:22:06	5.4	Bottom	3	1	28.06	7.81	18.68	73.2	5.16	3.8	4.1
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10A	10:22:48	5.4	Bottom	3	2	28.09	7.84	18.49	73.6	5.19	3.8	4
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10B	10:14:35	1.0	Surface	1	1	28.39	7.68	15.61	74	5.28	3.8	4.2
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10B	10:14:59	1.0	Surface	1	2	28.53	7.68	15.51	74.2	5.28	4	4.5
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10B	10:14:43	3.8	Bottom	3	1	28.26	7.69	18.46	73.5	5.17	4	5.6
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	SR10B	10:14:25	3.8	Bottom	3	2	28.29	7.67	18.42	73.8	5.19	3.7	5.1
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS2	12:48:05	1.0	Surface	1	1	29.38	8.01	11.88	80.2	5.74	3.3	3.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS2	12:48:45	1.0	Surface	1	2	29.41	8.01	11.86	80.5	5.76	3.7	4
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS2	12:47:51	3.6	Middle	2	1	28.84	7.98	15.41	74.1	5.25	3.1	4.2
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS2	12:48:30	3.6	Middle	2	2	28.9	8	14.53	73.8	5.25	3.3	4.1
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS2	12:48:16	6.2	Bottom	3	1	27	7.89	24.28	73.9	5.14	6.6	4.3
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS2	12:47:32	6.2	Bottom	3	2	27.12	7.87	23.61	71.8	5	6.7	4.8
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS(MF)5	10:57:42	1.0	Surface	1	1	28.59	7.87	14.97	71.7	5.11	3.8	3.9
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS(MF)5	10:58:35	1.0	Surface	1	2	28.6	7.87	14.85	72.1	5.14	3.7	3.9
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS(MF)5	10:57:26	6.3	Middle	2	1	27.89	7.93	18.79	70	5.02	4	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS(MF)5	10:58:21	6.3	Middle	2	2	28.04	7.91	18.5	70.5	5.03	3.9	3.5
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS(MF)5	10:57:17	11.5	Bottom	3	1	26.01	7.89	28.71	68.3	4.71	4	4.9
HKLR	HY/2011/03	2014-08-22	Mid-Ebb	Sunny	CS(MF)5	10:57:58	11.5	Bottom	3	2	25.92	7.92	28.98	69.4	4.88	4.1	4.4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS5	17:12:07	1.0	Surface	1	1	29.32	8.16	17.79	92	6.38	9.9	4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS5	17:12:48	1.0	Surface	1	2	29.31	8.18	17.89	91.1	6.31	9.6	4.2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS5	17:11:53	4.3	Middle	2	1	28.48	8.07	20.71	75.6	5.23	9.8	4.1
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS5	17:12:36	4.3	Middle	2	2	28.41	8.07	20.2	73.9	5.14	9.7	4.4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS5	17:12:27	7.5	Bottom	3	1	27.66	7.97	23.85	76.8	5.3	9.9	4.8
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS5	17:11:40	7.5	Bottom	3	2	27.56	7.97	24.22	76.6	5.28	9.9	5
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS(MF)6	17:19:05	1.0	Surface	1	1	29.76	8.18	17.88	102.8	7.08	16.3	2.2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS(MF)6	17:18:42	1.0	Surface	1	2	29.67	8.17	18.02	96.9	6.67	16.9	2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS(MF)6	17:18:50	2.1	Bottom	3	1	29.17	8.06	20.94	92.3	6.72	16.5	2.4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS(MF)6	17:18:31	2.1	Bottom	3	2	28.8	8	21.12	91.5	6.29	16.6	2.8
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS7	17:25:51	1.0	Surface	1	1	29.46	8.01	18.4	87.7	6.05	18.8	3.5
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS7	17:25:29	1.0	Surface	1	2	29.42	7.98	18.39	87.3	6.03	18.6	3
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS7	17:25:19	2.0	Bottom	3	1	29.14	7.87	20.92	90.9	6.22	18.9	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS7	17:25:39	2.0	Bottom	3	2	28.95	7.87	20.7	83.6	5.74	18.5	4.2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS8	17:50:05	1.0	Surface	1	1	29.19	8.07	16.92	90.8	6.34	12.4	7
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS8	17:49:43	1.0	Surface	1	2	29.22	8.07	16.56	90.1	6.3	12.5	7.6

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS8	17:49:55	3.0	Bottom	3	1	29.16	8.07	17.08	90.9	6.35	12.5	6.7
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS8	17:49:33	3.0	Bottom	3	2	29.14	8.06	17.14	89.5	6.25	12.3	6.4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS(MF)9	17:32:54	1.0	Surface	1	1	29.18	8.06	16.91	89.6	6.26	12.6	4.2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS(MF)9	17:32:36	1.0	Surface	1	2	29.18	8.05	16.83	89.3	6.22	12.6	3.9
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS(MF)9	17:32:41	2.7	Bottom	3	1	29.09	8.04	17.33	89.3	6.23	12.8	4.8
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS(MF)9	17:32:24	2.7	Bottom	3	1	28.99	8.03	17.57	89	6.21	13.2	5.5
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS10	18:02:19	1.0	Surface	1	1	29.34	7.94	12.8	76.2	5.35	7.8	3.1
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS10	18:02:57	1.0	Surface	1	2	29.5	7.96	12.16	75.1	5.3	8	3.5
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS10	18:01:54	4.9	Middle	2	1	27.32	7.84	23.02	74.3	5.3	9.1	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS10	18:02:36	4.9	Middle	2	2	27.56	7.87	21.1	74.4	5.31	8.7	3.5
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS10	18:01:44	8.7	Bottom	3	1	27.22	7.79	23.82	68.8	4.78	10.3	3.1
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	IS10	18:02:28	8.7	Bottom	3	1	27.16	7.84	23.74	68.9	5	9.5	3.1
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR3	17:01:13	0.7	Middle	2	1	29.48	8.17	17.86	108.4	7.49	7.4	3.8
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR3	17:01:06	0.7	Middle	2	2	29.42	8.16	18.25	108.1	7.46	7.6	2.4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR4	17:42:41	1.0	Surface	1	1	29.2	8.07	16.63	89.4	6.25	12.5	10.4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR4	17:42:15	1.0	Surface	1	2	29.24	8.07	16.65	90.7	6.33	12.5	10.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR4	17:42:01	2.6	Bottom	3	1	29.07	8.05	17.34	90.5	6.32	12.5	10.5
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR4	17:42:31	2.6	Bottom	3	2	29.02	8.04	17.46	89.4	6.24	12.6	12.5
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR5	17:55:39	1.0	Surface	1	1	29.12	7.85	13.28	74.5	5.32	5.4	4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR5	17:56:04	1.0	Surface	1	2	29.25	7.87	13.1	75.8	5.4	5.3	3.8
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR5	17:55:48	3.6	Bottom	3	1	28.61	7.81	17.24	74.3	5.23	5.4	3.9
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR5	17:55:27	3.6	Bottom	3	2	28.46	7.77	17.33	73.7	5.2	5.4	4.7
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10A	19:07:05	1.0	Surface	1	1	27.8	7.99	22.33	74.7	5.18	2.7	2.7
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10A	19:07:30	1.0	Surface	1	2	27.91	8	22.79	75.1	5.23	2.9	3.3
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10A	19:06:51	3.3	Middle	2	1	26.52	8	26.42	73.9	5.12	3.4	2.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10A	19:07:20	3.3	Middle	2	2	26.53	8.01	26.45	74.6	5.16	3.4	3.2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10A	19:06:40	5.6	Bottom	3	1	26.92	7.97	26.38	72.7	5.02	3.5	2.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10A	19:07:11	5.6	Bottom	3	2	27.04	7.99	26.36	73.1	5.05	3.5	2.2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10B	19:17:16	1.0	Surface	1	1	27.42	8.01	22.35	74.9	5.19	4.3	2.7
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10B	19:16:56	1.0	Surface	1	2	27.18	8.01	22.9	74.6	5.17	4.2	2.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10B	19:17:05	4.0	Bottom	3	1	26.78	8.02	26.53	74	5.09	4.1	2.2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	SR10B	19:16:47	4.0	Bottom	3	2	26.6	8.02	26.7	73.7	5.11	4.3	2.4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS2	16:39:45	1.0	Surface	1	1	29.56	8.03	12.22	79.1	5.64	5.7	4.1
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS2	16:40:33	1.0	Surface	1	2	29.57	8.05	12.28	80	5.69	5.5	3.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS2	16:40:17	3.8	Middle	2	1	29.11	8.04	13.34	72.3	5.16	6	4
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS2	16:39:32	3.8	Middle	2	2	29.04	8.04	13.5	73.8	5.19	5.8	2.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS2	16:39:07	6.5	Bottom	3	1	27.28	7.96	22.68	72.9	5.12	8.9	3.5
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS2	16:39:58	6.5	Bottom	3	2	27.13	8.04	23.16	69.5	4.85	9.9	3.3
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS(MF)5	18:29:49	1.0	Surface	1	1	28.95	8.03	16.9	77.2	5.42	3.3	2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS(MF)5	18:30:21	6.4	Middle	2	1	26.43	7.99	26.32	72.9	5.15	5.9	2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS(MF)5	18:29:22	6.4	Middle	2	2	26.62	7.99	26.52	72.5	5.11	5.9	2
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS(MF)5	18:30:03	11.7	Bottom	3	1	25.8	7.99	29.33	72.2	5.08	6.1	2.6
HKLR	HY/2011/03	2014-08-22	Mid-Flood	Sunny	CS(MF)5	18:29:07	11.7	Bottom	3	2	25.7	7.99	29.54	70.2	4.96	6.5	2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS5	14:16:11	1.0	Surface	1	1	29.03	8.13	21.12	84.6	5.79	10.5	6.8
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS5	14:15:34	1.0	Surface	1	2	29.02	8.11	21.14	85.3	5.84	10.6	6.4
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS5	14:15:48	4.2	Middle	2	1	26.45	8	26.95	77.4	5.31	7.8	7.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS5	14:15:08	4.2	Middle	2	2	26.49	7.98	27.71	75.4	5.17	10.6	8.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS5	14:15:00	7.3	Bottom	3	1	26.64	7.99	28.15	70.9	4.83	11.9	8.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS5	14:15:43	7.3	Bottom	3	2	26.64	8.01	28.35	71.2	4.86	12	8.3
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS(MF)6	14:00:56	1.0	Surface	1	1	29.31	8.22	19.58	101.6	6.98	9.4	3.8
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS(MF)6	14:00:40	1.0	Surface	1	2	28.9	8.13	19.72	95.7	6.55	9.8	4.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS(MF)6	14:00:46	2.2	Bottom	3	1	28.93	8.12	21.16	89.1	6.16	11.1	4.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS(MF)6	14:00:34	2.2	Bottom	3	2	28.61	8.03	21.39	88.5	6.08	10.5	5
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS7	13:54:40	1.0	Surface	1	1	29.09	8.19	19.11	103.3	7.14	9.8	4
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS7	13:54:25	1.0	Surface	1	2	29.08	8.19	19.11	104.8	7.24	9.4	4.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS7	13:54:31	2.2	Bottom	3	1	28.86	8.12	20.76	102.8	7.07	12.6	4.1

Water Quarterly 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	2014-08-25	Mid-Ebb	Sunny	IS7	13:54:15	2.2	Bottom	3	2	29	8.16	20.69	103.7	7.11	13.1	4.3
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS8	13:21:49	1.0	Surface	1	1	29.18	8.17	19.79	102.3	7.03	7.7	3.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS8	13:22:03	1.0	Surface	1	2	29.27	8.18	19.76	100.3	6.89	8.2	3.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS8	13:21:56	2.6	Bottom	3	1	29.11	8.13	21.25	102.8	7.02	9.1	4.7
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS8	13:21:42	2.6	Bottom	3	2	28.64	8.14	21.26	105.9	7.29	8.4	4.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS(MF)9	13:46:41	1.0	Surface	1	1	29.13	8.16	19.49	96.5	6.65	7.1	2.3
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS(MF)9	13:46:26	1.0	Surface	1	1	29.01	8.15	19.56	97.9	6.76	7.3	2.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS(MF)9	13:46:19	2.4	Bottom	3	1	28.98	8.13	20.26	101.4	6.97	7.5	3.4
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS(MF)9	13:46:33	2.4	Bottom	3	2	28.78	8.1	20.95	96.9	6.66	7.9	3.3
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS10	13:14:38	1.0	Surface	1	1	29.1	8.06	16.36	75.2	5.28	5.2	2.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS10	13:13:39	1.0	Surface	1	2	29.02	8.06	16.37	74.3	5.22	5.5	2.5
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS10	13:14:10	5.3	Middle	2	1	27.83	8.04	20.26	72.1	5.03	5.2	2.7
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS10	13:13:14	5.3	Middle	2	2	27.83	8.06	19.66	73.4	5.15	5.4	2.6
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS10	13:13:00	9.5	Bottom	3	1	26.98	8.01	23.96	72.9	5.08	5.4	2.7
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	IS10	13:13:53	9.5	Bottom	3	2	27.68	8	23.57	70.1	4.84	5.4	2.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR3	14:26:47	0.7	Middle	2	1	28.99	8.16	20.94	92.4	6.33	8.1	8.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR3	14:27:01	0.7	Middle	2	2	28.98	8.16	20.88	92.8	6.4	7.7	8.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR4	13:32:17	1.0	Surface	1	1	29.31	8.15	19.85	97.8	6.71	6	5.7
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR4	13:32:01	1.0	Surface	1	2	28.98	8.13	20.08	91.1	6.27	5.8	5.8
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR4	13:31:55	2.7	Bottom	3	1	28.67	8.07	21.68	92.8	6.36	9.8	7.3
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR4	13:32:09	2.7	Bottom	3	2	28.89	8.09	21.25	95.2	6.52	10.1	7
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR5	13:20:59	1.0	Surface	1	1	28.72	8.05	16.43	73.9	5.22	3.1	4
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR5	13:21:26	1.0	Surface	1	2	29.03	8.05	16.37	71.8	5.16	3.3	3.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR5	13:21:13	4.4	Bottom	3	1	28.02	8.01	20.46	71.8	5.02	3.2	4.5
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR5	13:20:52	4.4	Bottom	3	2	28.71	7.9	22.28	85.5	5.9	2.2	2.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10A	11:56:59	1.0	Surface	1	1	28.14	7.9	22.28	85.5	5.9	2.2	2.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10A	11:56:32	1.0	Surface	1	2	28.31	7.92	21.29	85.7	5.93	2.1	3.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10A	11:56:49	3.3	Middle	2	1	27.84	7.93	22.95	84.4	5.83	2.4	3.6
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10A	11:56:23	3.3	Middle	2	2	27.72	7.9	23.18	84	5.81	2.5	3.7
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10A	11:56:40	5.6	Bottom	3	1	27.99	7.92	23.03	85.3	5.88	2.1	3.8
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10A	11:56:15	5.6	Bottom	3	2	28.01	7.9	23.38	86.5	5.94	2.3	3.6
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10B	11:40:38	1.0	Surface	1	1	27.26	7.85	24.72	76.7	5.3	3.7	5.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10B	11:40:19	1.0	Surface	1	2	27.26	7.83	24.66	76.7	5.3	3.6	5.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10B	11:40:32	4.0	Bottom	3	1	27.25	7.84	24.75	76.7	5.29	4	7.5
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	SR10B	11:40:09	4.0	Bottom	3	2	27.19	7.82	24.81	76.3	5.28	4.3	7.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS2	14:41:39	1.0	Surface	1	1	29.57	8.08	16.52	77.8	5.41	2.2	3.4
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS2	14:40:55	1.0	Surface	1	2	29.57	8.07	16.52	79.6	5.54	2.1	3.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS2	14:41:25	4.1	Middle	2	1	28.1	8.05	19.9	76.3	5.31	4.1	5.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS2	14:40:39	4.1	Middle	2	2	28.65	8.06	17.79	73.1	5.12	3.8	5.1
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS2	14:40:18	7.1	Bottom	3	1	27.44	8	22.93	73.6	5.12	4.1	5.7
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS2	14:41:05	7.1	Bottom	3	2	27.48	8.02	22.76	71.4	5	4.1	5.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS(MF)5	12:41:28	1.0	Surface	1	1	29.15	7.95	19.34	79	5.44	3.2	3.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS(MF)5	12:42:16	1.0	Surface	1	2	29.15	7.95	19.31	78	5.38	4	3.3
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS(MF)5	12:41:54	6.8	Middle	2	1	27.52	7.95	22.81	73.2	5.08	6.6	4.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS(MF)5	12:40:58	6.8	Middle	2	2	27.56	7.92	22.82	74.8	5.17	6.4	4.2
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS(MF)5	12:41:43	12.6	Bottom	3	1	27.54	7.94	22.84	69.7	4.85	5.8	5.9
HKLR	HY/2011/03	2014-08-25	Mid-Ebb	Sunny	CS(MF)5	12:40:50	12.6	Bottom	3	2	27.8	7.91	22.92	70.4	4.93	5.9	6.3
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS5	18:27:59	1.0	Surface	1	1	29.68	8.33	20.23	101.5	6.9	9	6.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS5	18:27:17	1.0	Surface	1	2	29.59	8.29	20.3	98.2	6.68	8.7	6.9
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS5	18:27:09	4.2	Middle	2	1	29.01	8.13	22.37	82.1	5.58	9.2	7.1
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS5	18:27:49	4.2	Middle	2	2	28.54	8.12	22.81	81.9	5.6	9.6	6.9
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS5	18:27:01	7.4	Bottom	3	1	27.91	8.04	24.68	78.7	5.38	12	7
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS5	18:27:39	7.4	Bottom	3	2	27.91	8.03	24.73	74.4	5.75	11.5	7.4
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS(MF)6	18:38:27	1.0	Surface	1	1	29.96	8.38	19.87	136.6	9.27	7	7.4
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS(MF)6	18:38:41	1.0	Surface	1	2	29.93	8.37	19.92	136.2	9.26	7.1	7.3
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS(MF)6	18:38:34	2.2	Bottom	3	1	29.89	8.36	20.11	136.2	9.23	7.6	7.9
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS(MF)6	18:38:16	2.2	Bottom	3	2	29.89	8.35	20.06	135	9.16	7.6	8.2

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS7	18:46:45	1.0	Surface	1	1	29.74	8.35	20.15	132.6	9.01	7.4	9.3
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS7	18:47:10	1.0	Surface	1	2	29.8	8.36	20.06	128.6	8.73	6.8	9.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS7	18:46:39	2.2	Bottom	3	1	29.74	8.34	20.29	134.2	9.11	7.7	9.5
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS7	18:46:59	2.2	Bottom	3	2	29.57	8.3	20.73	126.6	8.6	7.5	9.8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS8	19:14:04	1.0	Surface	1	1	29.57	8.16	20.09	100.6	6.86	7.8	11.3
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS8	19:14:19	1.0	Surface	1	2	29.72	8.24	20.04	103.3	7.03	8	11.2
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS8	19:14:10	2.6	Bottom	3	1	28.1	8.1	23.43	103.9	7.13	9.2	11.5
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS8	19:13:58	2.6	Bottom	3	2	28.22	8.09	22.84	108.8	7.48	8.6	11.1
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS(MF)9	18:54:36	1.0	Surface	1	1	29.9	8.39	19.89	136.3	9.25	7.2	7.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS(MF)9	18:54:20	1.0	Surface	1	2	29.87	8.38	19.92	132.8	9.02	7.9	7.4
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS(MF)9	18:54:28	2.4	Bottom	3	1	29.87	8.38	20.02	135.4	9.19	8.3	8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS(MF)9	18:54:12	2.4	Bottom	3	2	29.7	8.34	20.5	131.3	8.91	8.6	8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS10	19:29:13	1.0	Surface	1	1	29.56	8.11	15.98	79.9	5.57	3.7	3.5
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS10	19:30:15	1.0	Surface	1	2	29.34	8.09	16.53	78.2	5.46	3.8	3.8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS10	19:29:44	5.4	Middle	1	1	27.72	8.07	16.53	78.2	5.09	5.6	4.2
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS10	19:28:50	5.4	Middle	2	2	27.7	8.07	20.91	73.9	5.11	5.4	4
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS10	19:29:31	9.8	Bottom	3	1	27.33	8.03	24.97	69.2	4.77	5.5	4.1
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	IS10	19:28:35	9.8	Bottom	3	2	27	8.03	25.06	72.1	4.99	5.5	4.2
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR3	18:03:02	0.8	Middle	2	1	29.99	8.16	20.08	136.2	9.22	6.1	9
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR3	18:02:52	0.8	Middle	2	2	30.03	8.1	19.97	134.9	9.14	6.4	9
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR4	19:06:08	1.0	Surface	1	1	29.47	8.12	20.21	110.1	7.51	7.5	12.1
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR4	19:05:51	1.0	Surface	1	2	29.68	8.07	20.08	110.2	7.5	7.8	13
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR4	19:05:44	2.2	Bottom	3	1	29.44	8.05	21.62	115.3	7.81	9	12.8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR4	19:05:59	2.2	Bottom	3	2	28.86	8	21.56	108.2	7.41	8.7	13
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR5	19:17:29	1.0	Surface	1	1	29.05	8.1	16.16	79.5	5.59	2.8	3.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR5	19:17:44	1.0	Surface	1	2	29.15	8.1	16.31	79.5	5.57	2.9	4.5
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR5	19:17:22	4.1	Bottom	3	1	29.15	8.1	17.86	80.4	5.59	3.1	5
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR5	19:17:37	4.1	Bottom	3	2	29.06	8.09	17.84	80.2	5.58	3.2	5.2
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10A	20:30:48	1.0	Surface	1	1	26.67	8.1	27.78	73.7	5.06	10.5	10.1
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10A	20:30:13	1.0	Surface	1	2	26.59	8.06	28.01	73.8	5.04	10.2	10.1
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10A	20:29:52	3.4	Middle	1	1	26.21	8.03	29.22	73.6	5.06	11.6	11.3
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10A	20:30:34	3.4	Middle	2	2	26.36	8.08	28.73	73.2	5.02	11.8	11.3
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10A	20:29:46	5.8	Bottom	3	1	26.3	8	29.46	71.8	4.92	13	13.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10A	20:30:23	5.8	Bottom	3	2	26.32	8.06	29.3	72.6	4.97	12.7	13.7
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10B	20:44:30	1.0	Surface	1	1	26.55	8.14	28.13	73.3	5.02	11.7	10.2
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10B	20:44:03	1.0	Surface	1	2	26.59	8.13	28.04	73.5	5.04	10.9	10.1
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10B	20:44:13	4.2	Bottom	3	1	26.27	8.13	29.31	72.4	4.96	12.5	12.8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	SR10B	20:43:48	4.2	Bottom	3	2	26.34	8.11	28.94	72.8	4.99	11.6	12.8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS2	18:01:55	1.0	Surface	1	1	29.75	8.24	15.57	86.5	6.03	6.1	4.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS2	18:01:11	1.0	Surface	1	2	29.76	8.3	15.62	86.6	6.03	6.2	4.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS2	18:01:41	4.1	Middle	2	1	29.37	8.22	16.48	75.9	5.3	6.4	4.8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS2	18:00:57	4.1	Middle	2	2	29.38	8.32	16.58	75	5.23	6.5	4.8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS2	18:00:36	7.1	Bottom	3	1	26.56	8.33	25.95	75	5.21	6.6	4.7
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS2	18:01:27	7.1	Bottom	3	2	26.74	8.17	25.17	78.1	5.43	6.7	4.9
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS(MF)5	19:50:48	1.0	Surface	1	1	29	8.05	18.9	80.8	5.6	3.1	3.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS(MF)5	19:51:50	1.0	Surface	1	2	28.94	8.02	19.1	79.4	5.5	3.4	3.7
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS(MF)5	19:50:10	6.8	Middle	2	1	26.95	7.99	25.51	75.6	5.19	5.4	3.7
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS(MF)5	19:51:17	6.8	Middle	2	2	26.94	8.01	25.48	76.4	5.23	5.3	3.8
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS(MF)5	19:49:58	12.6	Bottom	3	1	27.02	7.96	25.51	71.1	4.91	7.2	4.6
HKLR	HY/2011/03	2014-08-25	Mid-Flood	Sunny	CS(MF)5	19:51:02	12.6	Bottom	3	2	26.96	8.02	25.65	71.2	4.92	7	4.8
HKLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	ISS	12:56:55	1.0	Surface	1	1	28.12	8.04	23.07	77.5	5.33	11.3	12.7
HKLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	ISS	12:57:30	1.0	Surface	1	2	28.13	8.06	23.02	77.4	5.32	11.2	12.7
HKLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	ISS	12:56:47	4.3	Middle	2	1	28.07	8.03	23.24	76.7	5.27	11.4	12.8
HKLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	ISS	12:57:20	4.3	Middle	2	2	28.08	8.05	23.19	76.3	5.25	11.5	12.3
HKLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	ISS	12:57:10	7.5	Bottom	3	1	28.04	8.05	23.46	77.3	5.27	11.4	12.6
HKLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	ISS	12:56:40	7.5	Bottom	3	2	28.08	8.05	23.37	76.8	5.3	11.3	13.2
HKLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS(MF)6	13:06:03	1.0	Surface	1	1	28.49	8.12	21.81	96.7	6.65	5	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
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS(MF)6	13:05:26	1.0	Surface	3	2	28.47	8.12	21.8	96.6	6.64	6	3
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS(MF)6	13:05:35	2.1	Bottom	3	1	28.48	8.12	21.8	96.6	6.65	5.9	3.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS(MF)6	13:05:15	2.1	Bottom	3	2	28.47	8.12	21.81	96.5	6.64	6.1	3.5
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS7	13:10:37	1.0	Surface	1	1	28.4	8.09	21.54	91.3	6.3	5.4	4.2
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS7	13:10:54	1.0	Surface	1	2	28.4	8.1	21.54	91.3	6.3	5.6	4.2
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS7	13:10:47	2.1	Bottom	3	1	28.4	8.1	21.54	91.3	6.3	5.7	4.4
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS7	13:10:25	2.1	Bottom	3	1	28.39	8.1	21.54	91.5	6.31	5.4	4.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS8	13:34:00	1.0	Surface	1	1	28.4	8.12	21.71	89.6	6.18	4.6	4.3
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS8	13:33:38	1.0	Surface	1	2	28.39	8.12	21.73	89.1	6.14	4.4	4.1
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS8	13:33:49	3.0	Bottom	3	1	28.35	8.11	21.92	89.3	6.15	4.6	4.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS8	13:33:26	3.0	Bottom	3	2	28.35	8.11	21.93	89.1	6.14	4.6	4.5
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS(MF)9	13:17:49	1.0	Surface	1	1	28.41	8.1	21.56	91.5	6.31	6	2.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS(MF)9	13:17:41	2.7	Bottom	3	2	28.42	8.1	21.57	91.5	6.31	5.9	3.8
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS(MF)9	13:17:27	2.7	Bottom	3	1	28.41	8.1	21.56	91.5	6.31	5.9	3.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS10	14:24:59	1.0	Surface	1	1	27.51	8.12	21.05	78.2	5.79	6.4	3.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS10	14:24:13	1.0	Surface	1	2	27.53	8.14	21.04	77.6	5.26	6.9	3.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS10	14:24:06	5.1	Middle	2	1	26.96	8.13	24.11	77.6	5.41	6.5	3.8
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS10	14:24:37	5.1	Middle	2	2	27.12	8.1	24.01	77.5	5.64	6.8	3.7
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS10	14:23:36	9.1	Bottom	3	1	27.06	8.13	25.46	88.1	6.08	6.5	3.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	IS10	14:24:26	9.1	Bottom	3	2	27.21	8.1	25.11	72.2	5.45	6.8	3.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR3	12:47:17	0.7	Middle	2	1	28.13	8.05	23.19	79.1	5.43	11.3	12.2
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR3	12:47:09	0.7	Middle	2	2	28.13	8.06	23.19	79	5.43	11.3	11.5
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR4	13:27:24	1.0	Surface	1	1	28.4	8.11	21.74	90.1	6.21	4.6	3.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR4	13:27:09	1.0	Surface	1	2	28.4	8.11	21.74	89.8	6.19	4.6	3.8
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR4	13:27:15	2.8	Bottom	3	1	28.39	8.11	21.81	90.2	6.21	4.6	5.3
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR4	13:26:59	2.8	Bottom	3	2	28.38	8.1	21.82	89.1	6.14	4.5	4.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR5	14:15:23	1.0	Surface	1	1	27.56	8.09	20.56	76.1	5.78	5.8	2.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR5	14:14:52	1.0	Surface	1	2	27.56	8.1	20.42	70.1	5	5.4	2.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR5	14:15:03	3.6	Bottom	3	1	27.4	8.08	23	72.6	5.32	5.6	3.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR5	14:14:36	3.6	Bottom	3	2	27.41	8.1	22.92	71.7	5.13	5.5	3.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10A	14:40:55	1.0	Surface	1	1	27.27	8.09	25.5	73.8	5.08	3.5	2
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10A	14:40:20	1.0	Surface	1	2	26.7	8.05	27.07	74.7	5.13	3.6	2
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10A	14:40:39	3.3	Middle	2	1	26.54	8.04	26.72	73.5	5.04	3.6	2.7
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10A	14:40:09	3.3	Middle	2	2	26.51	8.04	27.62	74.1	5.07	3.6	2.5
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10A	14:40:01	5.5	Bottom	3	1	26.64	8.04	28.36	68.8	4.73	3.7	3.8
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10A	14:40:31	5.5	Bottom	3	2	26.56	8.04	27.89	73.2	5.02	3.7	3.2
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10B	14:49:59	1.0	Surface	1	1	26.76	8.06	26.78	72.9	5.01	3.5	4.3
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10B	14:50:11	1.0	Surface	1	2	26.65	8.07	27.02	73.5	5.04	3.5	4.5
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10B	14:49:52	4.2	Bottom	3	1	26.87	8.07	26.6	71.6	4.93	3.5	4.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	SR10B	14:50:05	4.2	Bottom	3	2	26.75	8.07	26.96	70.6	4.86	3.5	4.8
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS2	12:44:25	1.0	Surface	1	1	27.53	8.17	21.71	72.6	5.39	3.2	3.2
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS2	12:45:21	1.0	Surface	1	2	27.6	8.14	20.98	73.1	5.52	3.4	3.4
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS2	12:45:04	4.1	Middle	2	1	27.45	8.13	23.34	71.4	5.14	3.5	3.5
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS2	12:44:05	4.1	Middle	2	2	27.21	8.19	23.57	70.2	5.19	3.5	3.3
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS2	12:43:34	7.1	Bottom	3	1	26.94	8.28	25.04	74.5	5.54	3.3	3.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS2	12:44:48	7.1	Bottom	3	2	27.03	8.12	24.84	73.4	5.65	3.6	3.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS(MF)5	14:13:03	1.0	Surface	1	1	27.71	8.07	23.81	74.2	5.11	5.2	3.7
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS(MF)5	14:13:41	1.0	Surface	1	2	27.67	8.07	23.92	74.8	5.14	5.4	3.9
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS(MF)5	14:12:41	6.3	Middle	2	1	26.45	8.04	26.41	73.9	5.05	5.7	3.6
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS(MF)5	14:13:30	6.3	Middle	2	2	27.52	8.05	24.32	73.5	5.03	5.6	4.4
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS(MF)5	14:13:17	11.5	Bottom	3	1	26.2	8.05	28.89	68.6	4.71	6.2	4.3
HCLR	HY/2011/03	2014-08-27	Mid-Ebb	Sunny	CS(MF)5	14:12:33	11.5	Bottom	3	2	26.24	8.04	29.08	70.8	4.85	6	4.6
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS5	07:40:58	1.0	Surface	1	1	28.44	8.04	21.67	81.8	5.64	10.4	8.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS5	07:40:24	1.0	Surface	1	2	28.4	8.1	21.74	80.8	5.57	10.1	8.9
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS5	07:40:15	4.2	Middle	2	1	28.16	8.07	22.23	76.2	5.26	10.4	8.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS5	07:40:45	4.2	Middle	2	2	28.11	8.06	22.15	75.3	5.2	10.2	9.3

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
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS5	07:40:36	7.4	Bottom	3	1	27.88	8.03	24.12	78.3	5.37	10.6	11.2
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS5	07:40:04	7.4	Bottom	3	2	27.97	8.03	24.16	79.7	5.46	10.2	11.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS(M)6	07:32:32	1.0	Surface	1	1	28.4	8.09	21.66	90.6	6.24	10.1	9.2
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS(M)6	07:32:50	1.0	Surface	1	2	28.4	8.11	21.65	90.5	6.24	10.8	9.4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS(M)6	07:32:24	2.2	Bottom	3	1	28.41	8.1	21.66	90.7	6.25	10.4	9.7
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS(M)6	07:32:41	2.2	Bottom	3	2	28.41	8.1	21.66	90.5	6.24	10.5	10.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS7	07:26:10	1.0	Surface	1	1	28.46	8.08	21.17	90.9	6.28	6.2	4.5
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS7	07:26:30	1.0	Surface	1	2	28.45	8.1	21.14	90.8	6.27	6.2	5.4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS7	07:26:00	2.3	Bottom	3	1	28.47	8.09	21.36	91.1	6.28	6.1	6
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS7	07:26:21	2.3	Bottom	3	2	28.52	8.09	21.26	90.9	6.27	6.2	5.5
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS8	07:02:04	1.0	Surface	1	1	28.14	7.93	21.2	70.3	5.08	7.6	2.3
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS8	07:01:31	1.0	Surface	1	2	28.12	7.95	21.2	72.6	5.05	7.8	2.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS8	07:01:53	3.0	Bottom	3	1	28.06	7.93	21.72	70.8	4.91	7.5	3
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS8	07:01:19	3.0	Bottom	3	2	28.09	7.94	21.59	71.8	4.97	7.7	2.7
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS(M)9	07:19:24	1.0	Surface	1	1	28.4	8.1	21.71	88.7	6.11	5.5	5.6
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS(M)9	07:19:42	1.0	Surface	1	2	28.42	8.09	21.72	88.7	6.11	5.5	5.4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS(M)9	07:19:14	2.6	Bottom	3	1	28.39	8.09	21.84	88.3	6.08	5.6	5.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS(M)9	07:19:31	2.6	Bottom	3	2	28.4	8.1	21.81	89	6.13	5.4	5.6
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS10	07:21:46	1.0	Surface	1	1	27.24	8.11	21.34	75.8	5.63	6.5	3.2
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS10	07:22:31	1.0	Surface	1	2	27.12	8.1	22.19	73.9	5.49	6.6	2.9
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS10	07:22:19	5.4	Middle	2	1	26.71	8.08	25.87	72.7	5.35	6.4	3.3
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS10	07:21:28	5.4	Middle	2	2	26.76	8.08	25.85	75.6	5.54	6.4	3.4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS10	07:21:12	9.8	Bottom	3	1	27.2	8.08	25.66	77.7	5.66	6.3	3.7
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	IS10	07:21:42	9.8	Bottom	3	2	27.2	8.08	25.69	77.9	5.67	6.5	4.6
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR3	07:45:42	0.7	Middle	2	1	28.48	8.11	21.58	89.9	6.19	11.2	9.9
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR3	07:45:49	0.7	Middle	2	2	28.48	8.11	21.58	89.3	6.15	11.1	9.4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR4	07:08:40	1.0	Surface	1	1	28.1	7.96	21.45	73.1	5.04	5.7	5.5
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR4	07:08:18	1.0	Surface	1	2	28.09	7.94	21.39	73.9	5.09	5.7	5
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR4	07:08:09	2.7	Bottom	3	1	28.05	7.95	21.73	70.5	4.89	5.5	6.2
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR4	07:08:29	2.7	Bottom	3	2	28.04	7.95	21.77	70.2	4.86	5.6	5.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR5	07:38:11	1.0	Surface	1	1	27.39	8.09	21.92	71.8	5.03	5.3	4.4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR5	07:37:46	1.0	Surface	1	2	27.79	8.11	20.43	71.3	5.14	5.5	3.9
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR5	07:37:53	3.9	Bottom	3	1	27.59	8.08	24.07	70.3	5.06	5.2	4.5
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR5	07:37:35	3.9	Bottom	3	2	27.74	8.09	23.91	70.6	5.07	5.8	4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10A	06:07:40	1.0	Surface	1	1	27.01	7.94	25.67	75.9	5.27	5.9	3.3
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10A	06:07:13	1.0	Surface	1	2	27.09	7.93	25.67	75.8	5.26	5.7	3.4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10A	06:07:02	3.2	Middle	2	1	26.71	7.94	26.43	74.3	5.17	6.2	10.6
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10A	06:07:30	3.2	Middle	2	2	26.74	7.95	26.31	74.8	5.16	6.3	10.3
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10A	06:06:52	5.4	Bottom	3	1	26.66	7.92	26.65	73.3	5.09	6.1	11
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10A	06:07:21	5.4	Bottom	3	2	26.72	7.94	26.62	73.2	5.08	6.4	12.1
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10B	05:57:51	1.0	Surface	1	1	26.21	7.89	28.43	74.9	5.19	7.8	5.1
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10B	05:57:32	1.0	Surface	1	2	26.43	7.88	27.79	74.5	5.17	8	5
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10B	05:57:23	4.1	Bottom	3	1	26.55	7.87	27.22	73.2	5.09	7.9	5.4
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	SR10B	05:57:44	4.1	Bottom	3	2	26.2	7.88	28.42	73.1	5.08	7.7	5
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS2	09:00:53	1.0	Surface	1	1	27.11	8.12	23.42	75.7	5.54	3.4	7.3
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS2	09:01:46	1.0	Surface	1	2	27.14	8.11	23.38	74.8	5.65	3.6	7.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS2	09:00:44	4.3	Middle	2	1	26.86	8.11	25.23	72.7	5.63	3.6	9
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS2	09:01:25	4.3	Middle	2	2	26.77	8.09	25.61	73.4	5.6	3.5	9.8
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS2	09:00:33	7.5	Bottom	3	1	26.75	8.12	25.74	78.1	5.75	3.3	10.9
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS2	09:01:09	7.5	Bottom	3	2	26.81	8.09	25.6	75.8	5.59	3.5	11.2
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS(M)5	06:34:18	1.0	Surface	1	1	27.66	7.98	23.29	75	5.17	5.2	4.6
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS(M)5	06:33:24	1.0	Surface	1	2	27.71	7.96	23.07	74.5	5.16	5.3	4.6
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS(M)5	06:33:05	6.3	Middle	2	1	26.1	7.98	28.09	73.8	5.11	6.2	5.2
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS(M)5	06:34:02	6.3	Middle	2	2	26.11	7.99	28.37	73.6	5.09	6.2	5.1
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS(M)5	06:32:55	11.6	Bottom	3	1	26.21	7.97	28.93	73.2	5.01	6.4	5.1
HCLR	HY/2011/03	2014-08-27	Mid-Flood	Sunny	CS(M)5	06:33:51	11.6	Bottom	3	2	25.97	7.97	28.99	73.1	5.06	6.4	5.2
HCLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS5	14:00:45	1.0	Surface	1	1	28.13	7.84	24.83	77.1	5.24	19.8	16.6

Water Quarterly Monitoring Data

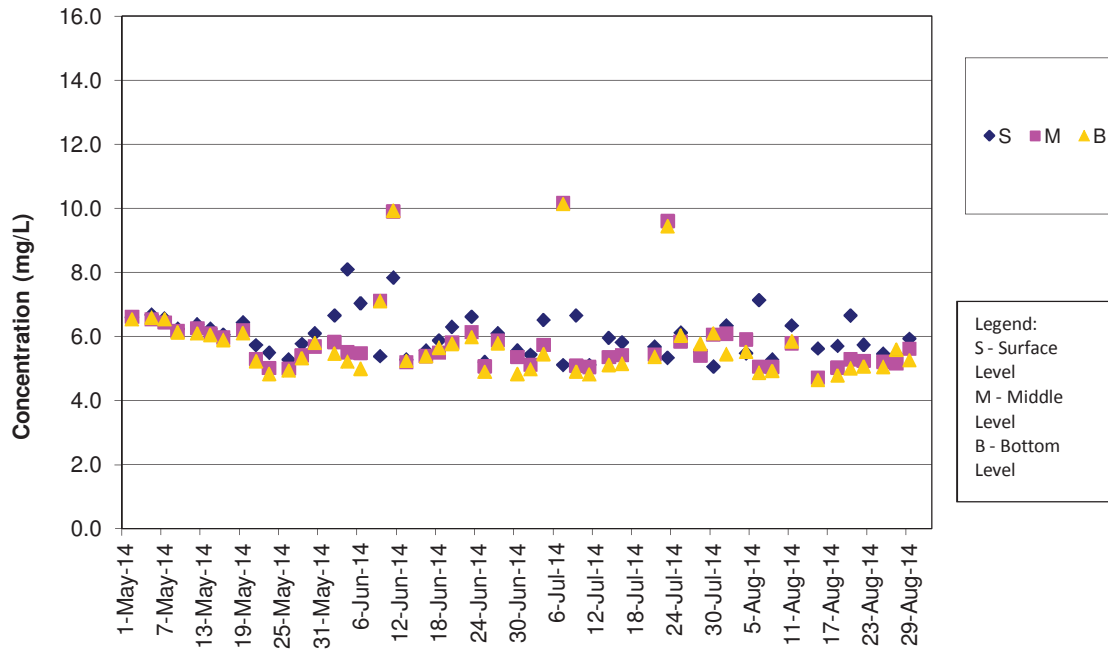
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS5	14:00:16	1.0	Surface	1	2	28.14	7.81	24.84	77.1	5.25	20.2	17.1
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS5	14:00:03	4.3	Middle	2	1	28.11	7.79	24.93	76.8	5.22	20.3	18.8
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS5	14:00:35	4.3	Middle	2	2	28.14	7.83	24.9	76.9	5.23	19.2	19.3
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS5	14:00:25	7.5	Bottom	3	1	28.13	7.82	24.92	77	5.23	20.4	20.4
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS5	13:59:56	7.5	Bottom	3	2	28.11	7.79	24.97	76.6	5.21	21	20.5
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS(MF)6	14:07:41	1.0	Surface	1	1	29.04	7.95	24.52	82.3	5.53	7.6	3.6
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS(MF)6	14:07:23	1.0	Surface	1	2	29	7.93	24.57	82.9	5.56	7.5	2.6
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS(MF)6	14:07:31	2.1	Bottom	3	1	28.5	7.92	24.81	81.6	5.52	9.6	3.3
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS(MF)6	14:07:12	2.1	Bottom	3	2	28.65	7.91	24.75	82.4	5.56	9.3	3.5
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS7	14:14:23	1.0	Surface	1	1	29.84	7.99	23.99	87.5	5.82	7.6	3.2
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS7	14:14:09	1.0	Surface	1	2	29.85	7.98	23.97	87.5	5.81	7.8	2.9
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS7	14:14:01	2.1	Bottom	3	1	28.53	8	24.49	87.7	5.94	7.6	3.3
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS7	14:14:15	2.1	Bottom	3	2	28.58	7.99	24.5	88	5.96	7.6	4.4
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS8	14:37:02	1.0	Surface	1	1	28.01	7.96	24.64	77.2	5.27	10.9	4.7
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS8	14:37:16	1.0	Surface	1	2	28.09	7.97	24.58	78.1	5.33	10.2	5
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS8	14:37:09	3.0	Bottom	3	1	28.01	7.96	24.72	77.5	5.28	10.9	4.9
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS8	14:36:52	3.0	Bottom	3	2	27.97	7.94	24.78	77.3	5.27	10.7	4.7
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS(MF)9	14:21:20	1.0	Surface	1	1	29.13	7.99	24.07	89.8	6.03	5.2	3.9
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS(MF)9	14:20:58	1.0	Surface	1	2	29.08	7.99	24.1	90	6.05	5.5	3.9
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS(MF)9	14:21:07	2.6	Bottom	3	1	28.91	8.01	24.19	89	6	5.2	3
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS(MF)9	14:20:50	2.6	Bottom	3	2	29.01	8	24.13	89.4	6.02	5.2	4.3
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS10	14:51:01	1.0	Surface	1	1	27.76	8.08	22.29	79	5.49	10.1	2.6
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS10	14:51:41	1.0	Surface	1	2	27.62	8.08	22.21	79.4	5.53	9.6	4.4
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS10	14:50:51	5.1	Middle	2	1	27.21	8.07	24.25	77	5.34	11.2	2.7
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS10	14:51:25	5.1	Middle	2	2	27.24	8.07	24.17	77.3	5.36	11.2	3.4
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS10	14:51:14	9.1	Bottom	3	1	27.28	8.07	24.24	78.7	5.45	12.5	5
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	IS10	14:50:44	9.1	Bottom	3	2	27.18	8.07	24.44	77.7	5.38	12.3	4.4
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR3	13:52:03	0.6	Middle	2	1	28.12	7.77	24.72	78	5.31	19.7	7.3
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR3	13:52:10	0.6	Middle	2	2	28.12	7.78	24.74	78	5.31	19.5	7.6
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR4	14:29:29	1.0	Surface	1	1	29.07	7.92	23.41	82.8	5.59	5.6	3.2
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR4	14:29:17	1.0	Surface	1	2	29.72	7.93	23.33	82	5.48	5.6	2.6
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR4	14:29:13	2.5	Bottom	3	1	28.27	7.9	24.4	79.6	5.41	5.5	2.9
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR4	14:28:51	2.5	Bottom	3	2	28.36	7.88	24.52	79.4	5.39	5.6	2.4
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR5	14:43:47	1.0	Surface	1	1	27.47	8.08	22.74	80.3	5.59	9.1	2.2
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR5	14:44:06	1.0	Surface	1	2	27.43	8.08	23.52	80.2	5.56	8.5	3.4
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR5	14:43:58	3.6	Bottom	3	1	27.39	8.07	23.84	80.3	5.56	9.4	2.8
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR5	14:43:39	3.6	Bottom	3	2	27.32	8.08	23.91	80.2	5.56	9.8	2.7
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10A	15:42:30	1.0	Surface	1	1	28.19	7.98	25.52	75.8	5.13	3.6	3.3
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10A	15:42:51	1.0	Surface	1	2	28.12	7.99	25.53	77.1	5.22	3.6	2
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10A	15:42:44	3.3	Middle	2	1	27.6	7.98	27.32	77.4	5.21	3.8	4
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10A	15:42:22	3.3	Middle	2	2	27.3	7.95	27.5	74.3	5.04	3.8	3.5
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10A	15:42:38	5.5	Bottom	3	1	27.99	7.98	27.13	76.1	5.15	4.2	2.8
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10A	15:42:15	5.5	Bottom	3	2	27.17	7.95	28.2	72.7	4.94	4.3	3.5
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10B	15:50:54	1.0	Surface	1	1	28.39	8.01	25.43	80.1	5.4	3.3	3.1
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10B	15:51:10	1.0	Surface	1	2	28.37	8.01	25.42	80	5.4	3.1	3
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10B	15:51:01	4.1	Bottom	3	1	28.04	8	27.16	79.4	5.34	3.3	2.6
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	SR10B	15:50:44	4.1	Bottom	3	2	28.16	8	27.05	79.2	5.32	3.2	2.5
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS2	13:32:25	1.0	Surface	1	1	28.6	8.11	21.25	84.8	5.86	6.2	2.7
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS2	13:32:31	1.0	Surface	1	2	28.69	8.12	21.16	87.5	6.02	5.8	2.2
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS2	13:32:08	3.9	Middle	2	1	27.4	8.11	23.64	81.8	5.68	7.7	2.6
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS2	13:33:12	3.9	Middle	2	2	27.13	8.1	24.56	81.1	5.58	8.1	2.9
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS2	13:33:03	6.7	Bottom	3	1	27.1	8.11	24.81	76.5	5.29	9.2	2.8
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS2	13:31:58	6.7	Bottom	3	2	27.14	8.13	24.79	75.8	5.25	8.7	3.8
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS(MF)5	15:12:25	1.0	Surface	1	1	27.68	7.9	25.55	78.5	5.47	8.3	4.5
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS(MF)5	15:13:00	1.0	Surface	1	2	27.81	7.95	25.1	79.5	5.54	8.1	3.9
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS(MF)5	15:12:49	6.1	Middle	2	1	27.01	7.95	26.66	75.3	5.27	8.5	4.2
HKLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS(MF)5	15:12:14	6.1	Middle	2	2	26.49	7.94	27.26	75.1	5.28	8.5	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
HCLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS(MF)5	15:12:38	11.1	Bottom	3	1	26.8	7.93	29.45	77.3	5.36	8.6	4
HCLR	HY/2011/03	2014-08-29	Mid-Ebb	Sunny	CS(MF)5	15:12:08	11.1	Bottom	3	2	26.73	7.94	29.48	77.2	5.35	8.6	4.8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS5	09:30:07	1.0	Surface	1	1	28.05	7.99	23.37	77.6	5.33	12.4	5.1
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS5	09:30:38	1.0	Surface	2	1	28.06	7.99	23.35	77.6	4.8	12.6	4.8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS5	09:30:29	4.2	Middle	2	1	28	7.98	23.44	76.8	5.28	12.1	6.1
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS5	09:29:58	4.2	Middle	2	2	27.97	7.98	23.51	76.5	5.26	12.1	7.5
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS5	09:29:51	7.3	Bottom	3	1	27.93	7.98	23.7	76.9	5.29	12.4	6.6
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS5	09:30:19	7.3	Bottom	3	2	27.94	7.98	23.68	77.1	5.3	12.2	7.9
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS(MF)6	09:20:18	1.0	Surface	1	1	28.19	7.99	23.29	80.4	5.51	11.6	3.1
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS(MF)6	09:20:33	1.0	Surface	1	2	28.16	8	23.3	79.8	5.47	11.7	4.1
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS(MF)6	09:20:11	2.3	Bottom	3	1	28.11	7.99	23.32	80.6	5.53	11.3	4.8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS(MF)6	09:20:25	2.3	Bottom	3	2	28.1	7.99	23.33	80	5.49	11.5	3.8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS7	09:14:41	1.0	Surface	1	1	28.31	8	23.11	79.8	5.46	7.4	2.9
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS7	09:15:07	1.0	Surface	1	2	28.18	7.98	23.29	83.4	5.72	7.5	2.3
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS7	09:14:28	2.3	Bottom	3	1	28.15	7.96	23.4	79.8	5.47	7.5	3.1
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS7	09:14:54	2.3	Bottom	3	2	28.1	7.96	23.33	87.2	5.98	7.5	3.7
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS8	08:51:24	1.0	Surface	1	1	27.91	7.83	22.43	72.1	5	10.2	2.3
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS8	08:51:07	1.0	Surface	1	2	27.92	7.84	22.41	72.3	5	10.1	3.2
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS8	08:50:50	3.1	Bottom	3	1	27.79	7.84	22.91	71.8	4.96	10.1	3.9
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS8	08:51:14	3.1	Bottom	3	2	27.86	7.84	22.69	71.1	4.98	10.2	3.7
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS(MF)9	09:06:51	1.0	Surface	1	1	27.87	7.94	23.23	76.6	5.28	6.2	2.7
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS(MF)9	09:06:36	1.0	Surface	1	2	27.84	7.93	23.26	76.6	5.28	6.2	3.8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS(MF)9	09:06:28	2.6	Bottom	3	1	27.85	7.94	23.31	76.7	5.29	6.4	4.4
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS(MF)9	09:06:41	2.6	Bottom	3	2	27.85	7.93	23.26	76.4	5.27	6.3	5
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS10	08:44:03	1.0	Surface	1	1	27.22	8.07	24.14	76.8	5.32	12.8	7.9
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS10	08:43:16	1.0	Surface	1	2	27.22	8.08	24.13	76.9	5.32	13.2	8.7
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS10	08:43:36	5.2	Middle	2	1	27.01	8.07	24.93	75.6	5.24	13	7.7
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS10	08:42:55	5.2	Middle	2	2	27.02	8.07	24.88	76	5.27	13.1	8.4
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS10	08:42:47	9.3	Bottom	3	1	27.03	8.07	24.86	76.6	5.3	14.8	8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	IS10	08:43:29	9.3	Bottom	3	2	27.03	8.07	24.88	76.1	5.27	14.7	7
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR3	09:37:11	0.6	Middle	2	1	28.07	7.99	23.33	78.7	5.41	12.9	9.8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR3	09:37:16	0.6	Middle	2	2	28.07	7.99	23.33	78.7	5.4	12.8	8.1
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR4	09:00:32	1.0	Surface	1	1	27.94	7.84	22.42	72.3	5	9.5	3
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR4	09:00:53	1.0	Surface	1	2	27.94	7.88	22.42	72.1	5	9.5	2.9
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR4	09:00:25	2.8	Bottom	3	1	27.9	7.86	22.54	72.2	4.99	9.3	4.4
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR4	09:00:42	2.8	Bottom	3	2	27.82	7.86	22.8	71.9	4.97	9.6	4.5
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR5	08:52:52	1.0	Surface	1	1	27.1	8.07	24.5	75.7	5.25	14.6	6.6
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR5	08:52:34	1.0	Surface	1	2	27.08	8.07	24.6	75.7	5.25	14.8	5.8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR5	08:52:43	3.8	Bottom	3	1	27.06	8.07	24.75	75.6	5.24	15.5	7.3
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR5	08:52:26	3.8	Bottom	3	2	27.03	8.07	24.86	75.8	5.25	15.7	7.1
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10A	07:51:57	1.0	Surface	1	1	27	7.8	25.77	77.8	5.47	5.1	4.3
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10A	07:52:26	1.0	Surface	1	2	26.95	7.81	26.01	77.5	5.44	5.2	4.4
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10A	07:52:16	3.3	Middle	2	1	26.76	7.8	26.71	77.5	5.44	5.2	4.5
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10A	07:51:46	3.3	Middle	2	2	26.72	7.8	26.72	77.1	5.41	5.3	5.2
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10A	07:52:05	5.6	Bottom	3	1	26.84	7.8	26.53	76.8	5.39	5.1	5.3
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10A	07:51:37	5.6	Bottom	3	2	26.78	7.79	26.71	77.8	5.46	5.1	4
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10B	07:45:14	1.0	Surface	1	1	26.09	7.77	28.65	71.3	5.02	8.5	5.7
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10B	07:44:57	1.0	Surface	1	2	26.09	7.76	28.56	71.6	5.04	8.4	5
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10B	07:44:49	4.3	Bottom	3	1	26.09	7.77	28.53	71.9	5.06	8.6	7.9
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	SR10B	07:45:06	4.3	Bottom	3	2	26.09	7.76	28.64	71.4	5.03	8.5	6.4
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS2	10:04:26	1.0	Surface	1	1	27.62	8.09	21.13	76.9	5.39	14.8	2.5
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS2	10:05:05	1.0	Surface	1	2	27.71	8.09	21.19	77.2	5.4	15.4	3.4
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS2	10:04:17	3.9	Middle	2	1	27.02	8.06	25.2	75.1	5.19	14.4	3.8
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS2	10:04:53	3.9	Middle	2	2	27.01	8.07	25.23	74.9	5.18	15	3.4
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS2	10:04:42	6.8	Bottom	3	1	27.01	8.06	25.36	75.5	5.21	13.6	4.2
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS2	10:04:05	6.8	Bottom	3	2	26.98	8.05	25.39	75.5	5.21	13.9	3.9
HCLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS(MF)5	08:21:21	1.0	Surface	1	1	27.77	7.83	23.08	81.8	5.76	10.1	4.5

Water Quarterly 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	2014-08-29	Mid-Flood	Sunny	CS(Mf)5	08:20:41	1.0	Surface	1	2	27.76	7.81	22.89	81.2	5.72	9.8	5.2
HKLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS(Mf)5	08:21:05	6.4	Middle	2	1	26.44	7.85	26.99	78.5	5.5	10.3	3.5
HKLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS(Mf)5	08:20:28	6.4	Middle	2	2	26.49	7.83	25.97	80.2	5.62	10.2	4.2
HKLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS(Mf)5	08:20:57	11.7	Bottom	3	1	26.29	7.83	28.37	75.6	5.33	10.2	4.5
HKLR	HY/2011/03	2014-08-29	Mid-Flood	Sunny	CS(Mf)5	08:20:19	11.7	Bottom	3	2	26.39	7.8	28.3	76.4	5.41	10.3	5.9

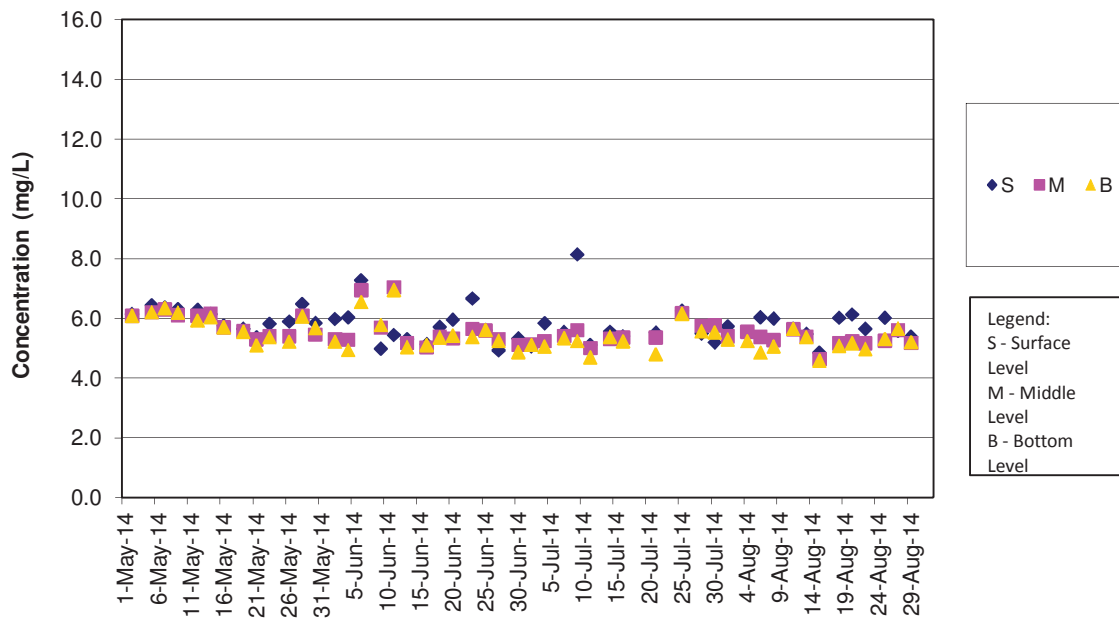
DO Concentrations at Station CS2 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

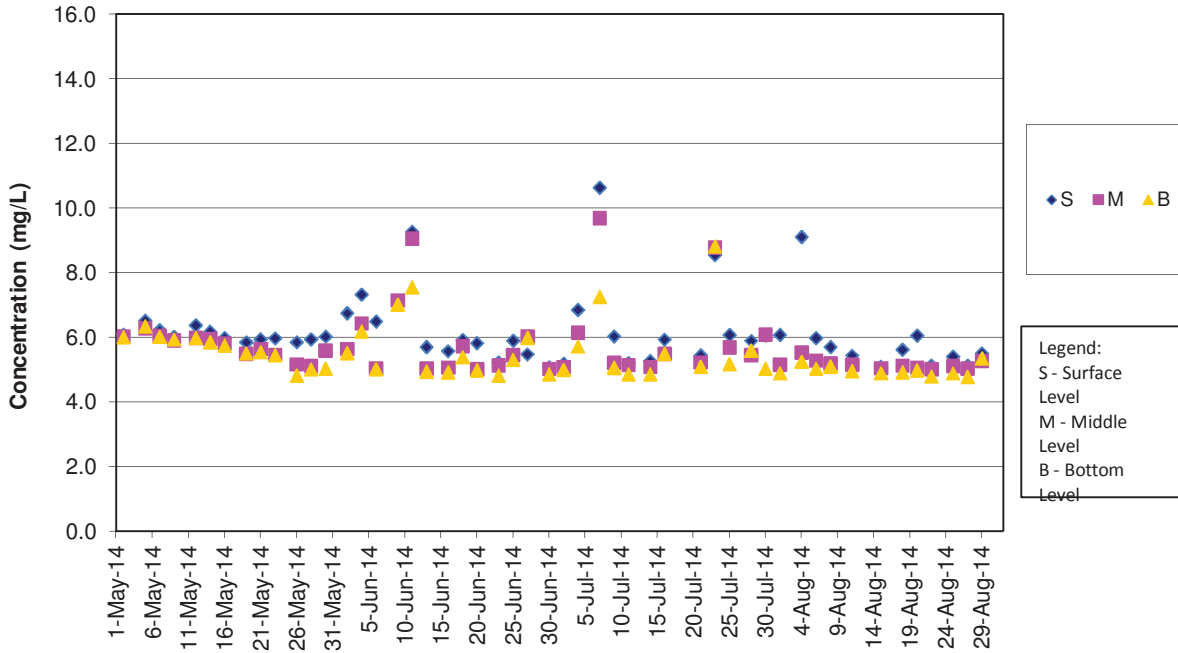
DO Concentrations at Station CS2 (Mid Flood)



Remark:

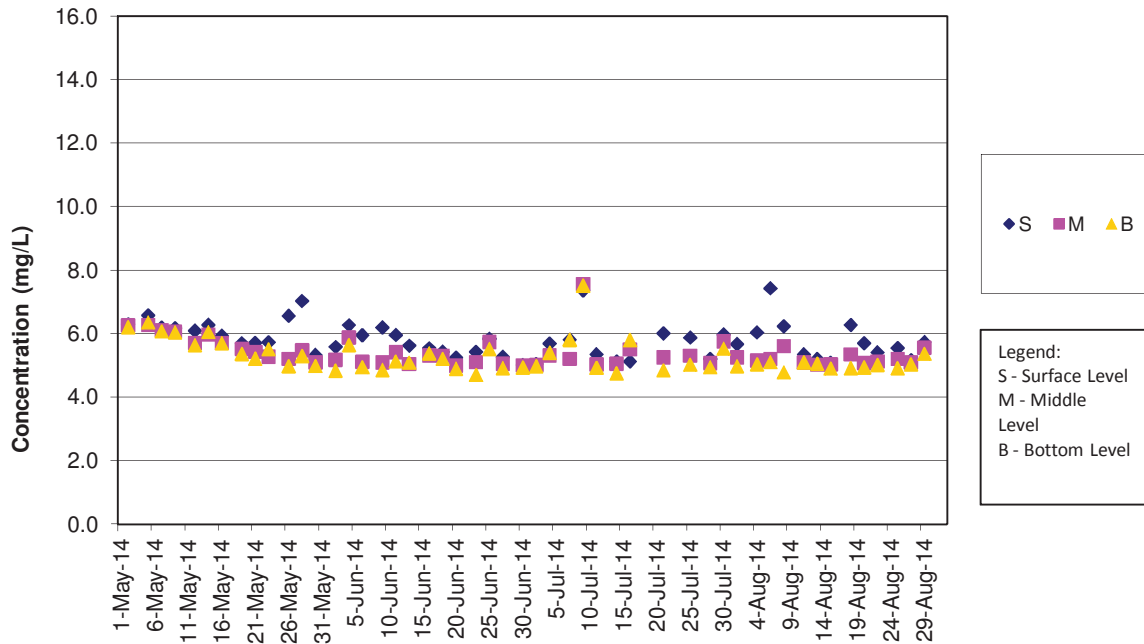
- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

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



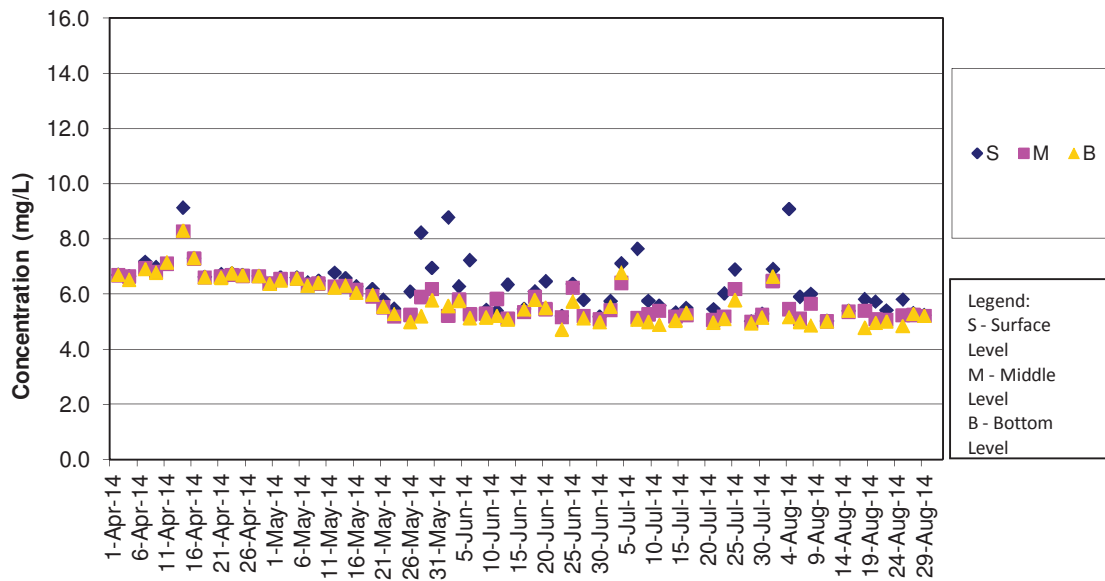
Remark:
 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

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



Remark:
 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

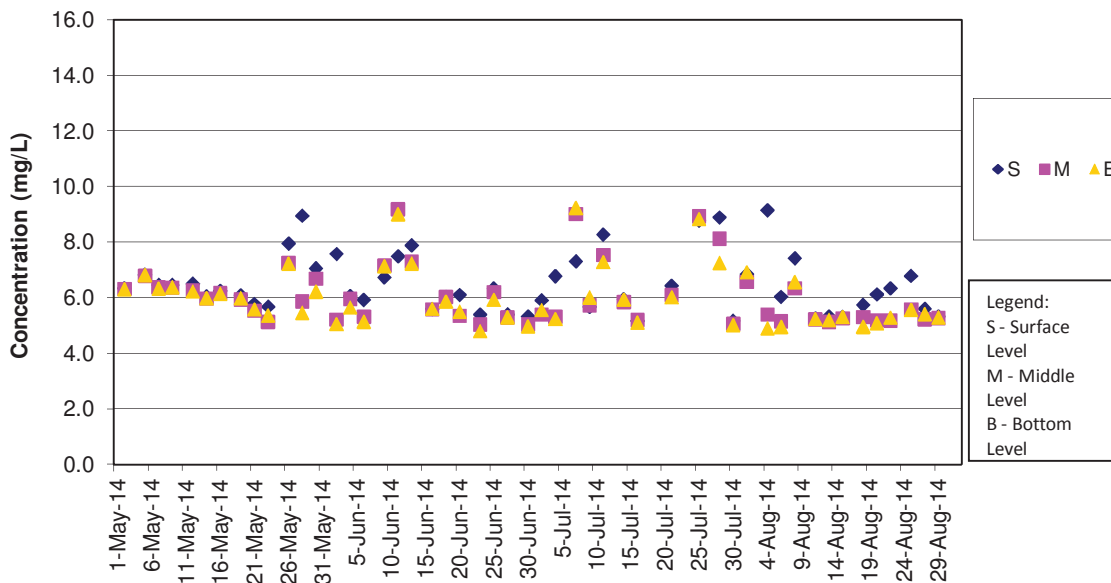
DO Concentrations at Station IS5 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

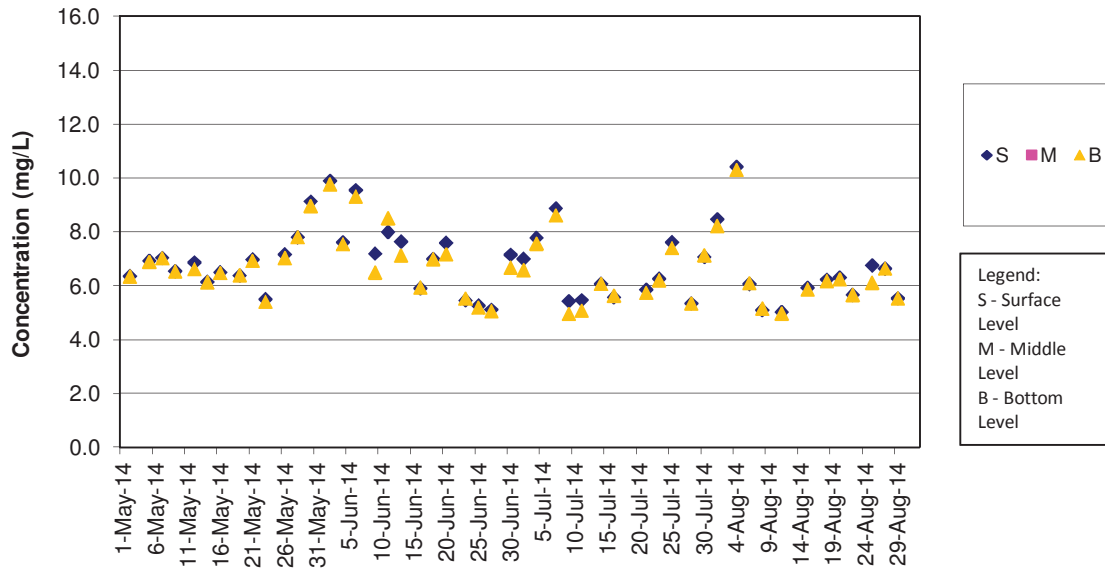
DO Concentrations at Station IS5 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

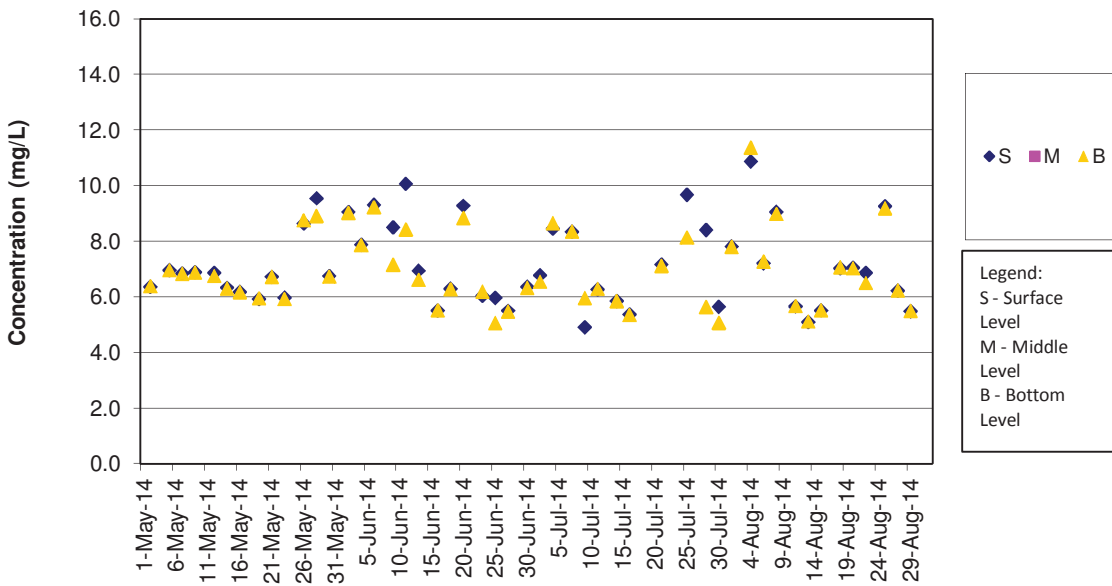
DO Concentrations at Station IS(Mf)6 (Mid Ebb)



Remark

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory .

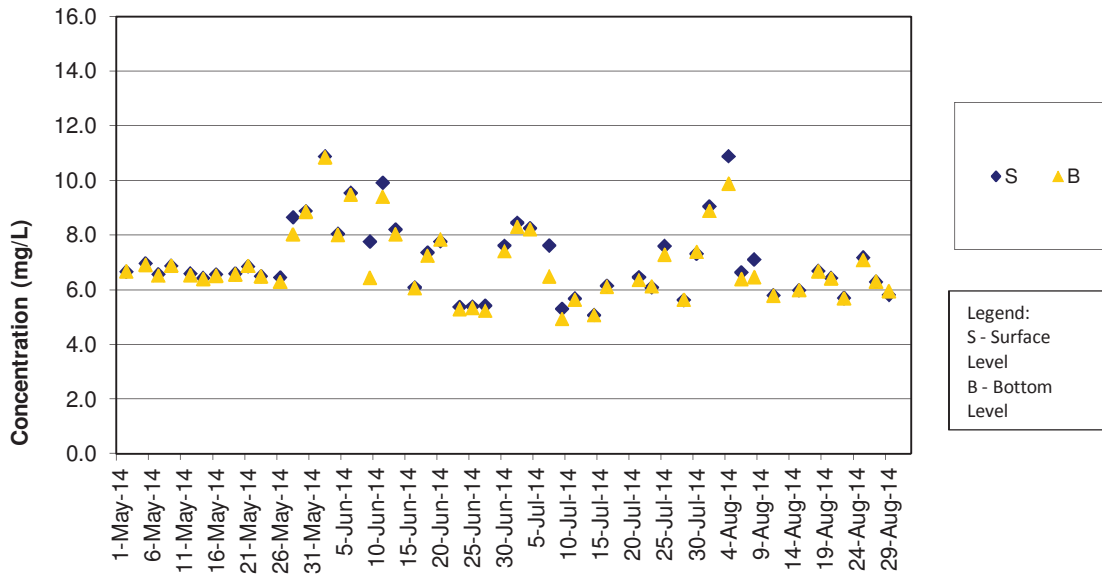
DO Concentrations at Station IS(Mf)6 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

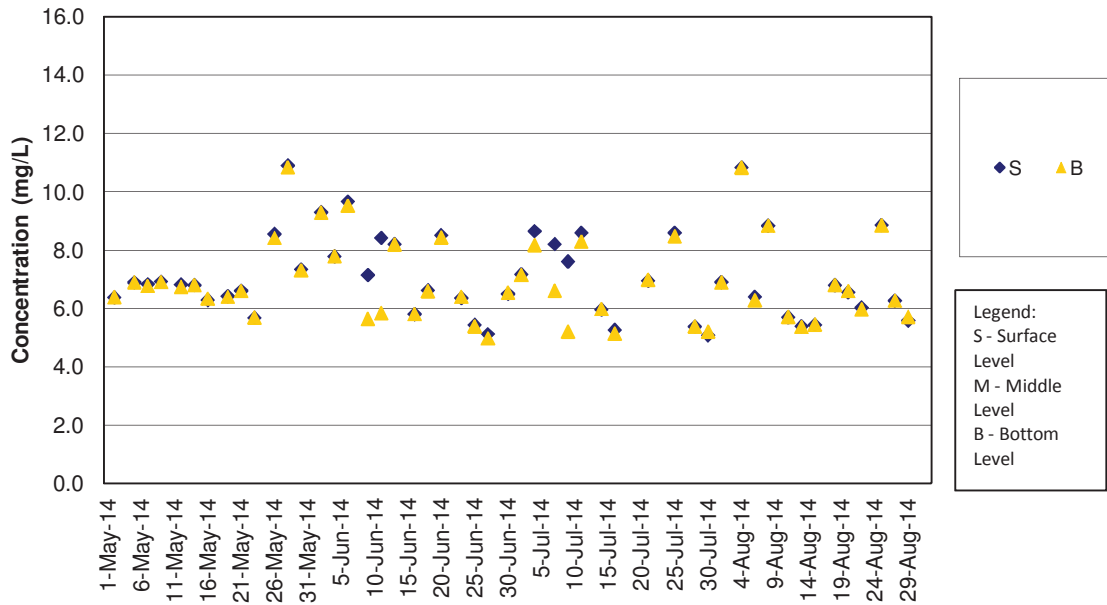
DO Concentrations at Station IS7 (Mid Ebb)



Remark

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

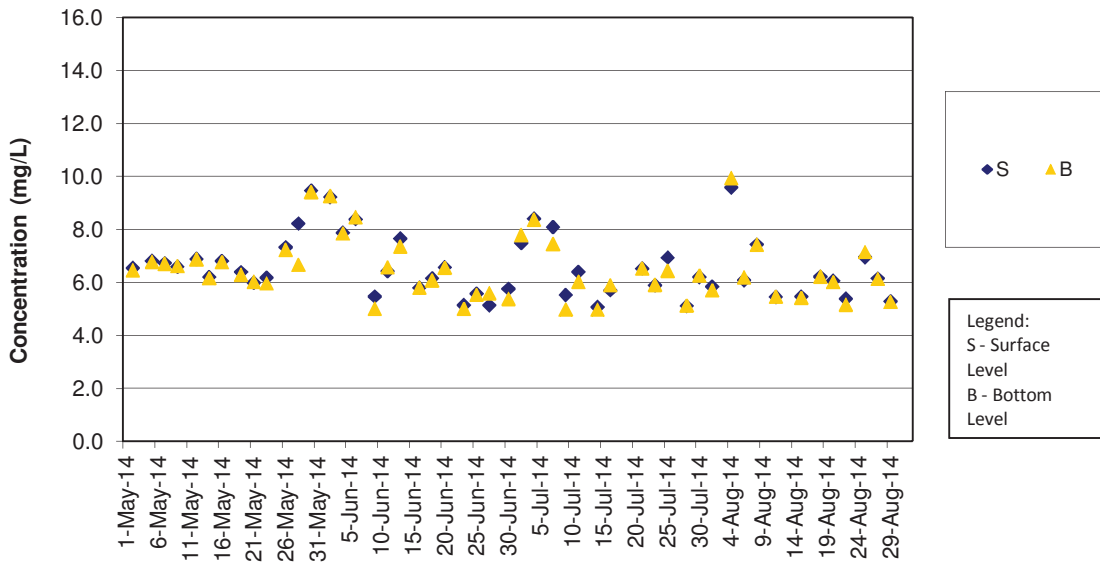
DO Concentrations at Station IS7 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

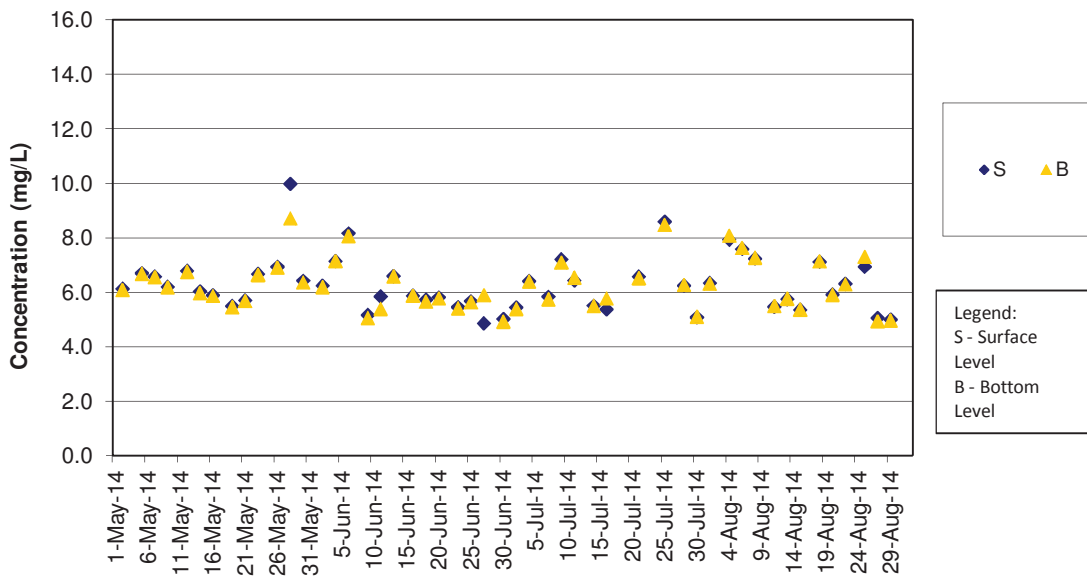
DO Concentrations at Station IS8 (Mid Ebb)



Remark

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

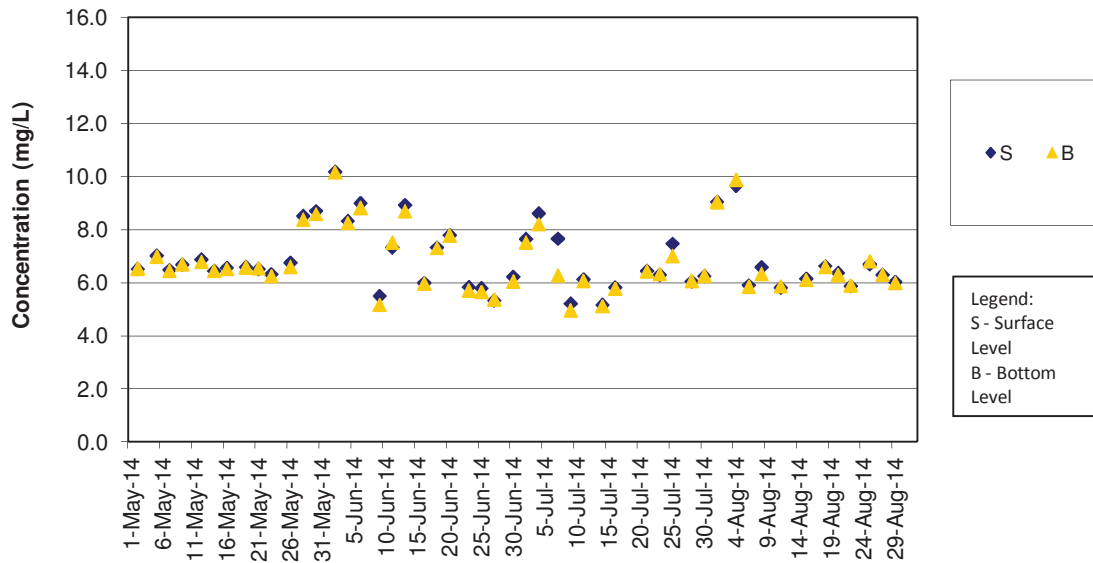
DO Concentrations at Station IS8 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

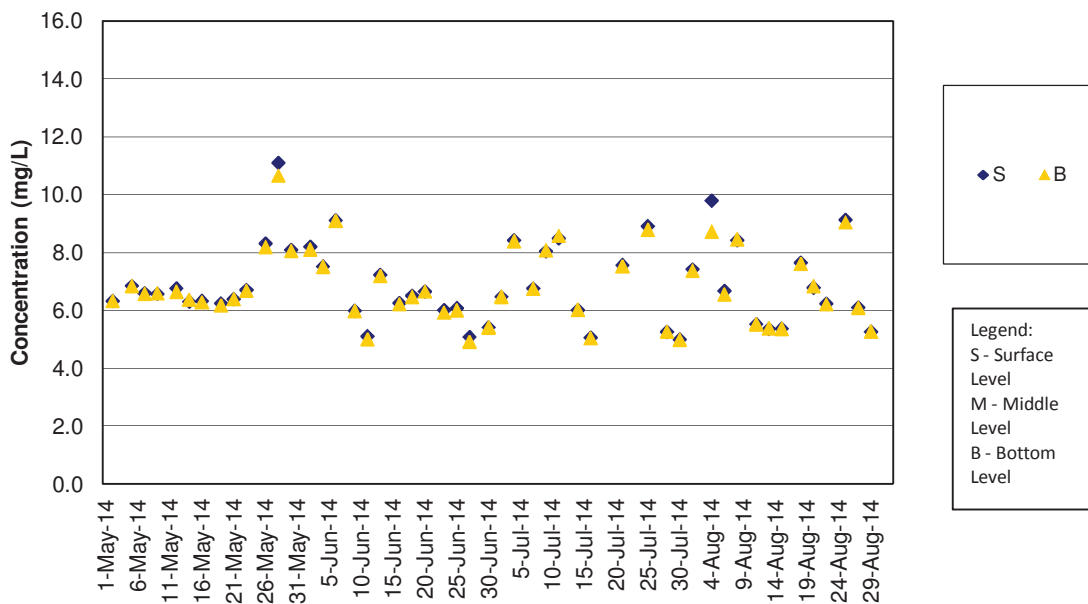
DO Concentrations at Station IS(Mf)9 (Mid Ebb)



Remark

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

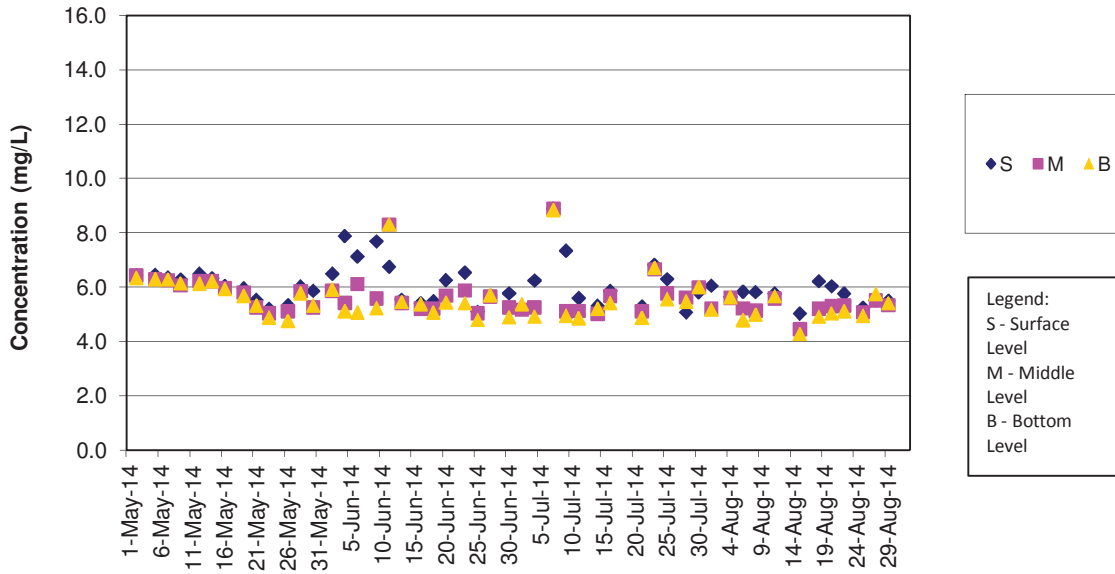
DO Concentrations at Station IS(Mf)9 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

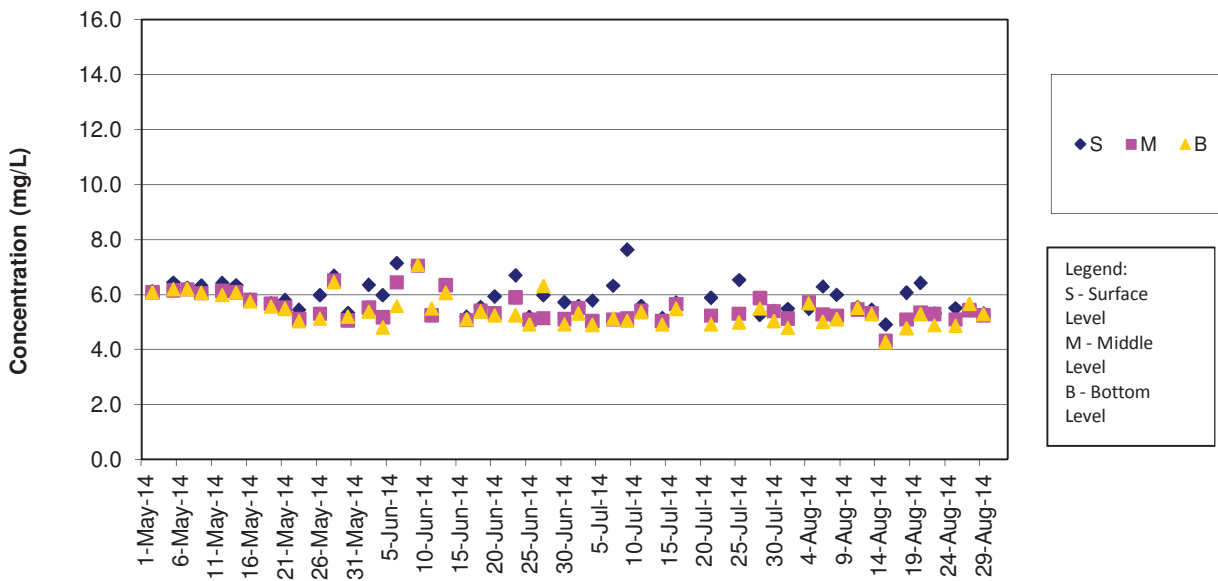
DO Concentrations at Station IS10 (Mid Ebb)



Remark

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

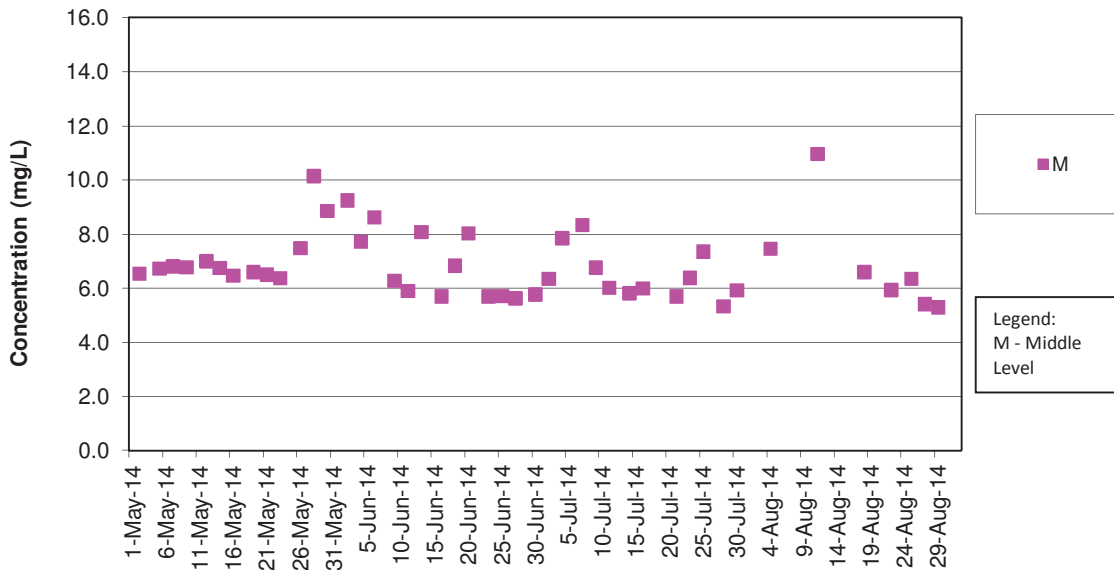
DO Concentrations at Station IS10 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

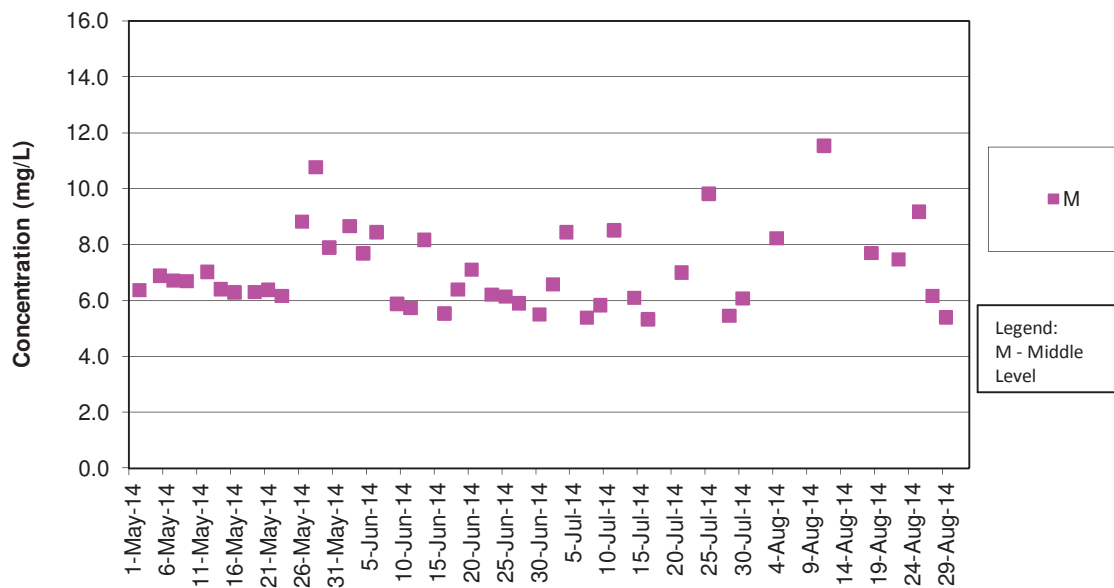
DO Concentrations at Station SR3 (Mid Ebb)



Remark

1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

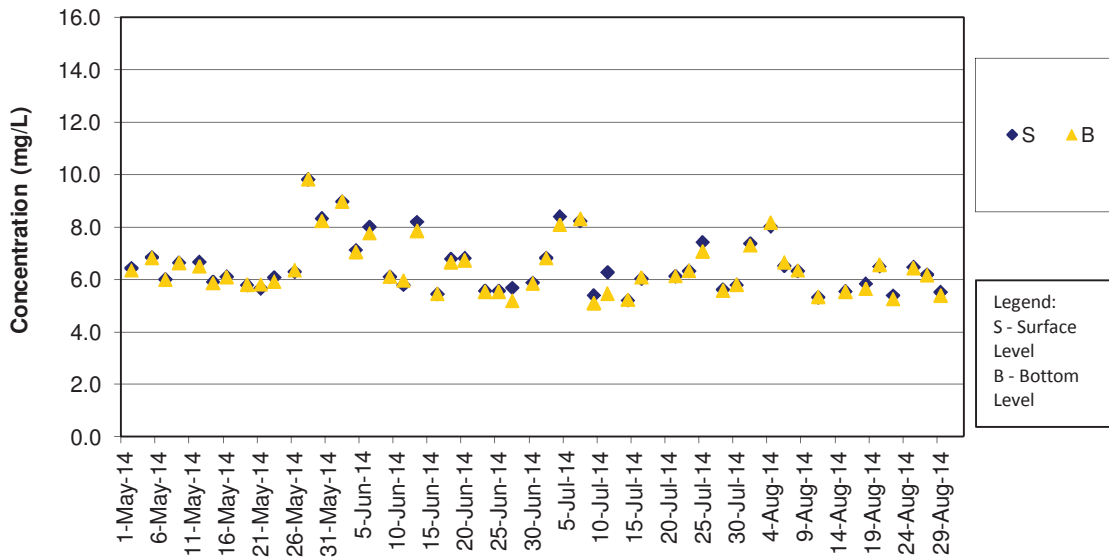
DO Concentrations at Station SR3 (Mid Flood)



Remark:

1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

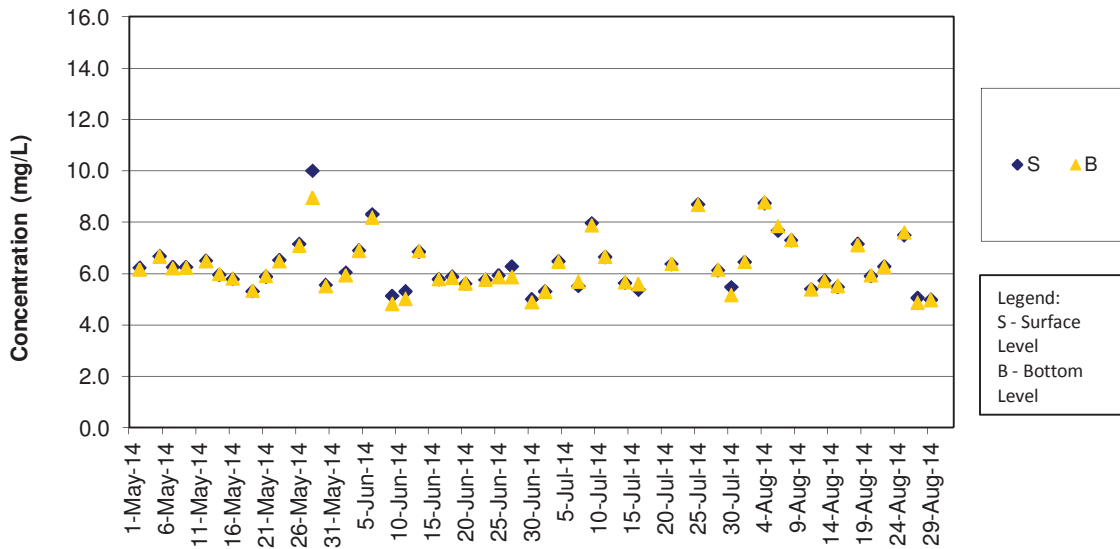
DO Concentrations at Station SR4 (Mid Ebb)



Remark

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory .

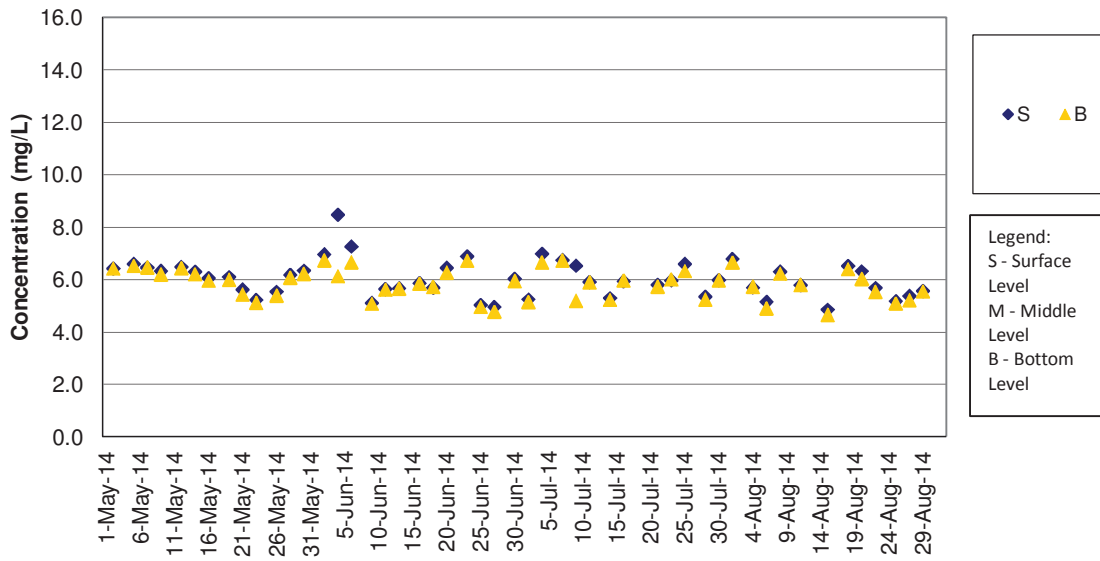
DO Concentrations at Station SR4 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

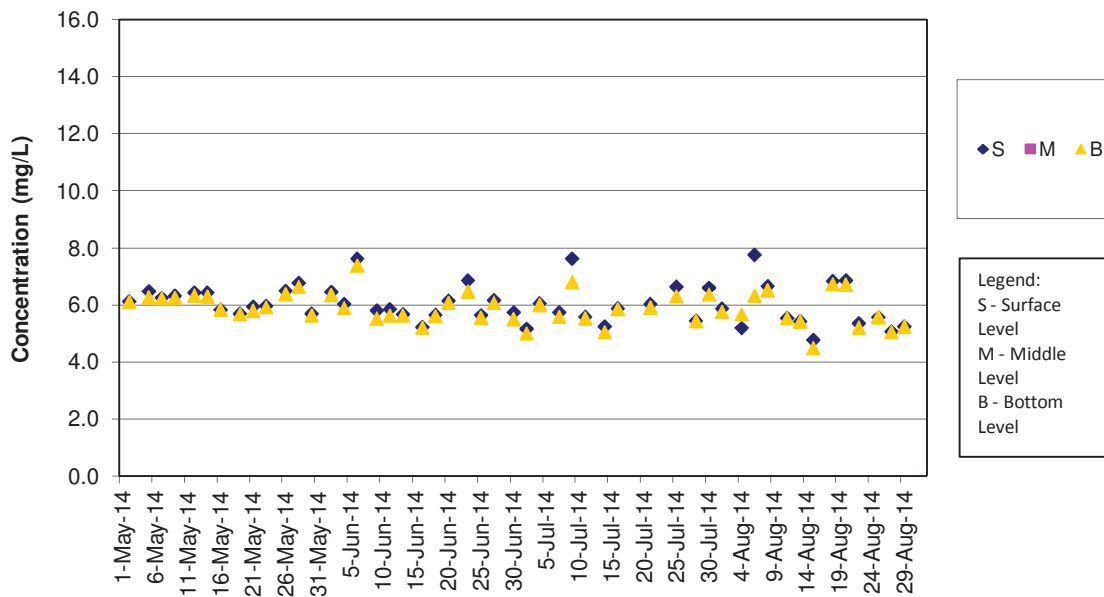
DO Concentrations at Station SR5 (Mid Ebb)



Remark

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory .

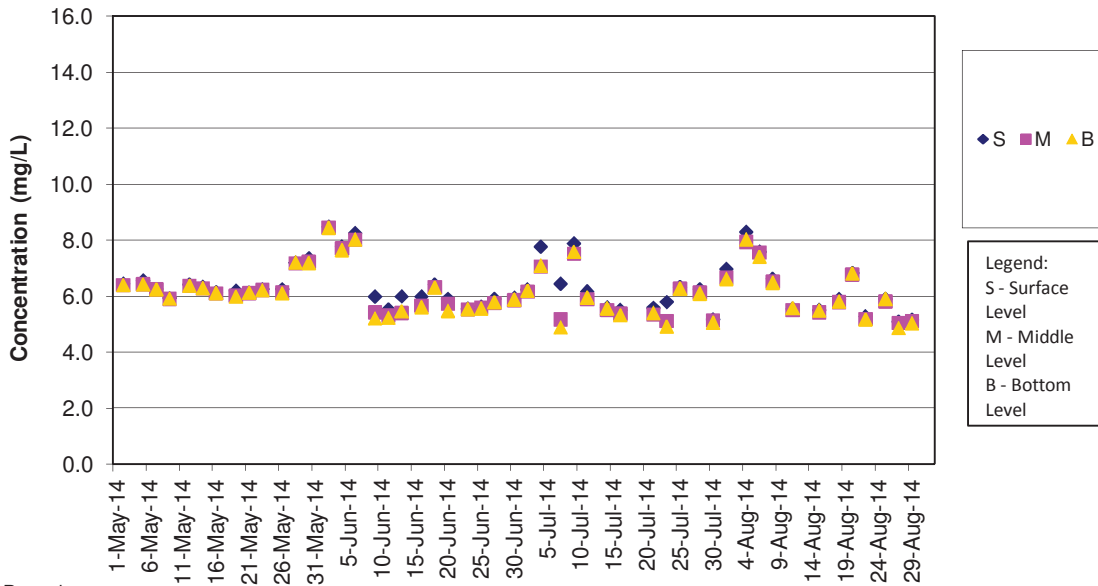
DO Concentrations at Station SR5 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

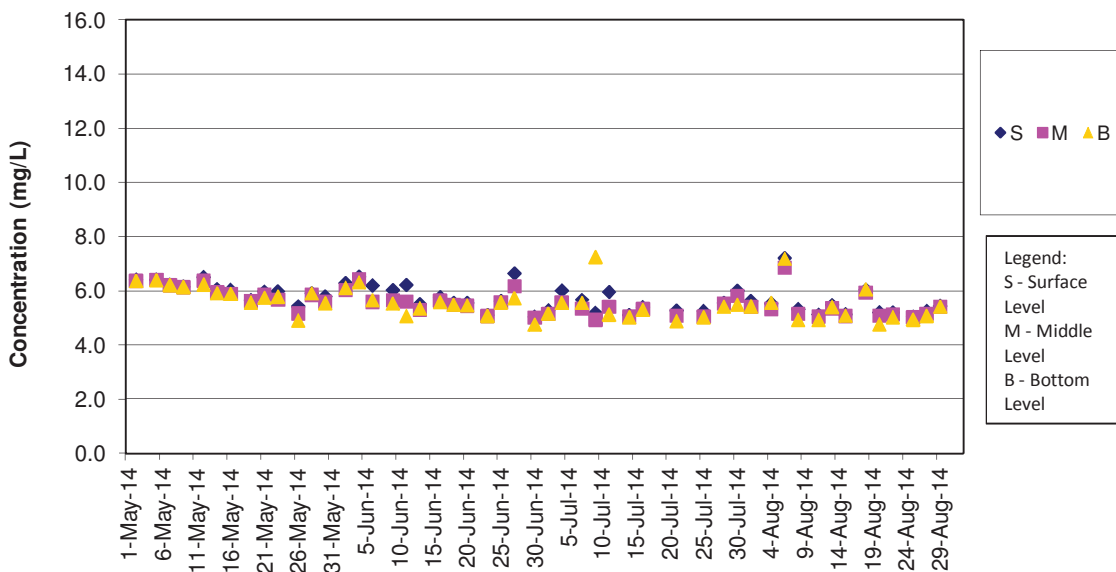
DO Concentrations at Station SR10A (Mid Ebb)



Remark

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

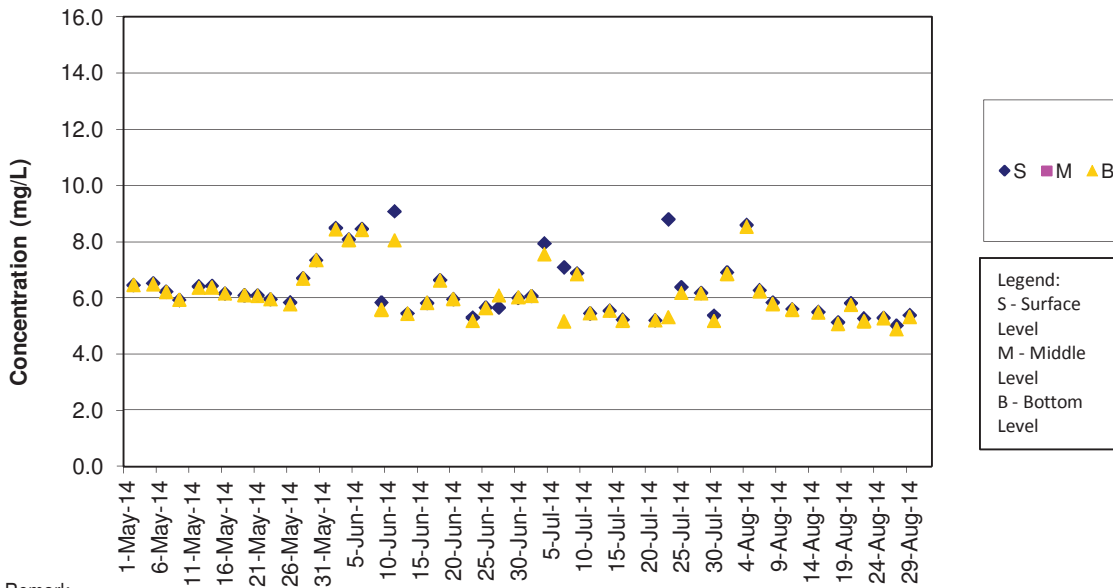
DO Concentrations at Station SR10A (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

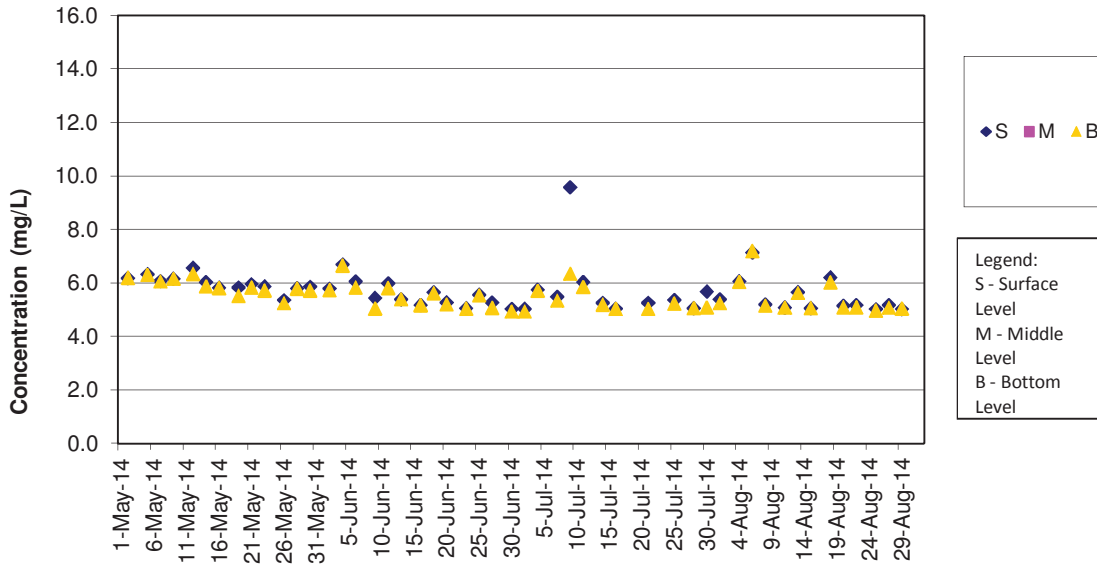
DO Concentrations at Station SR10B (Mid Ebb)



Remark

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

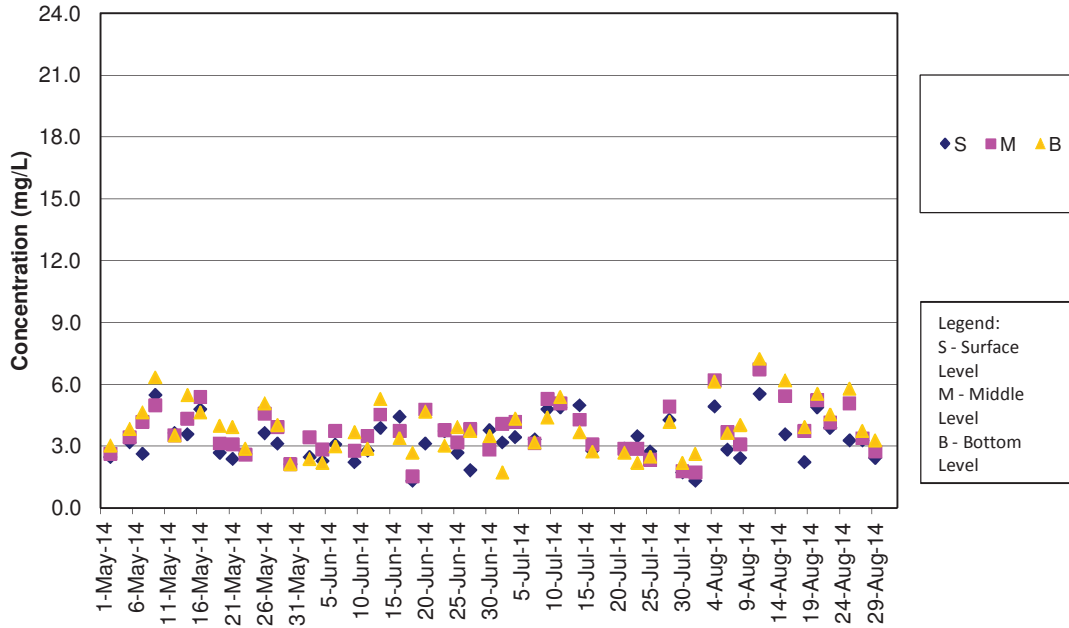
DO Concentrations at Station SR10B (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

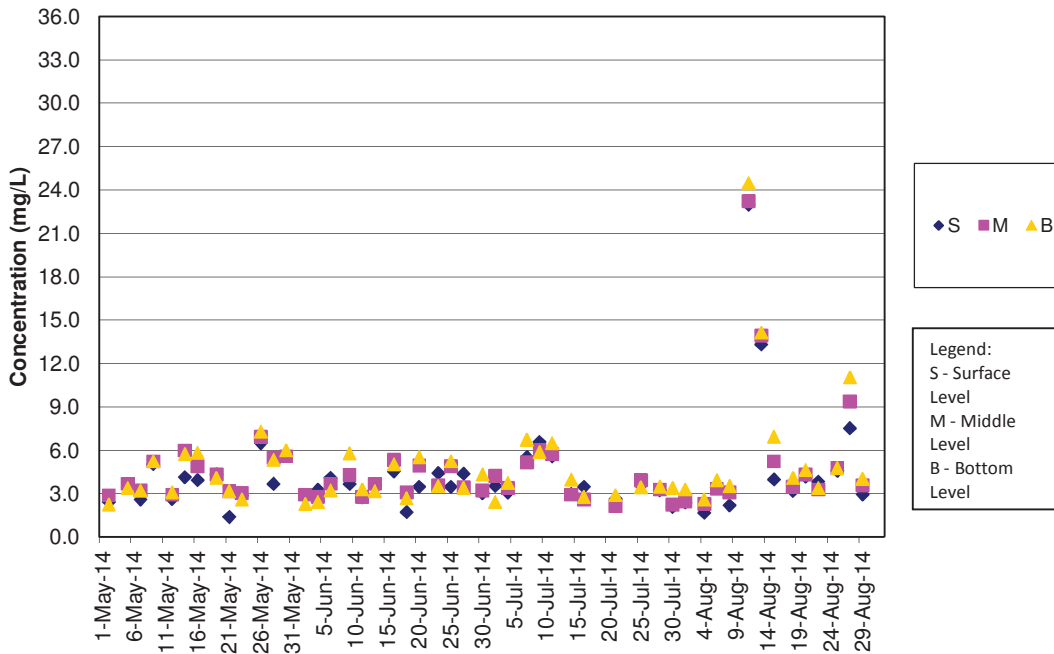
SS Concentrations at Station CS2 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

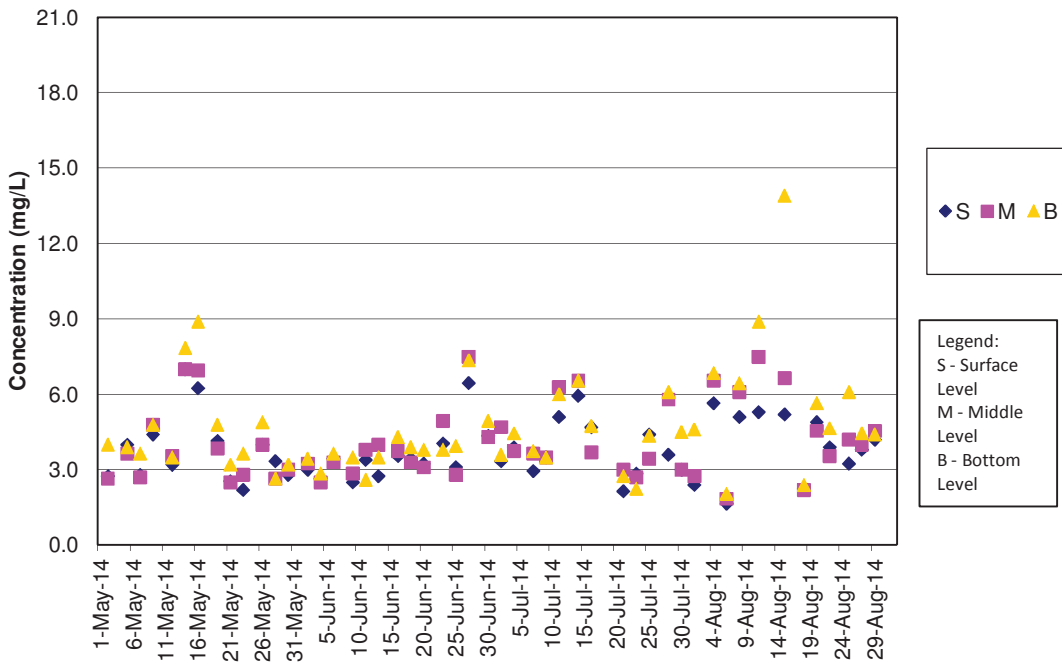
SS Concentrations at Station CS2 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

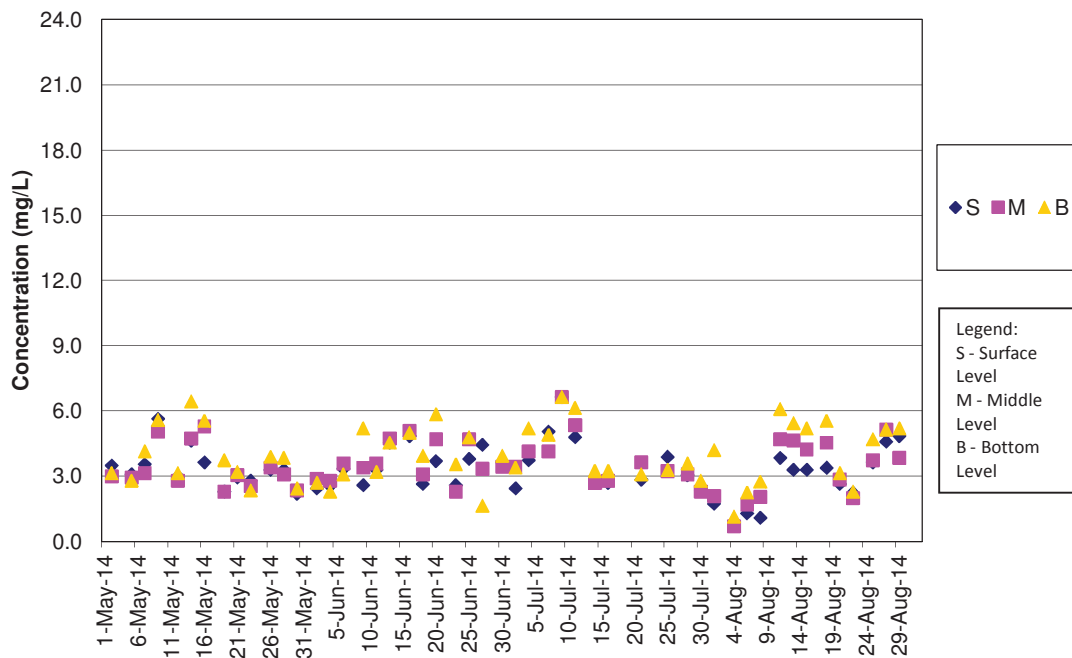
SS Concentrations at Station CS(Mf)5 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

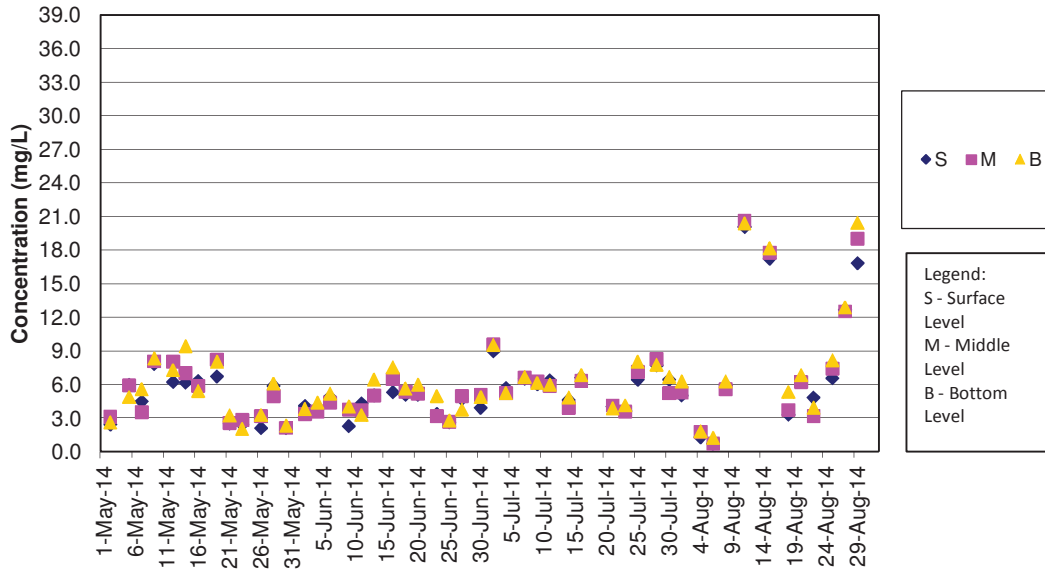
SS Concentrations at Station CS(Mf)5 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

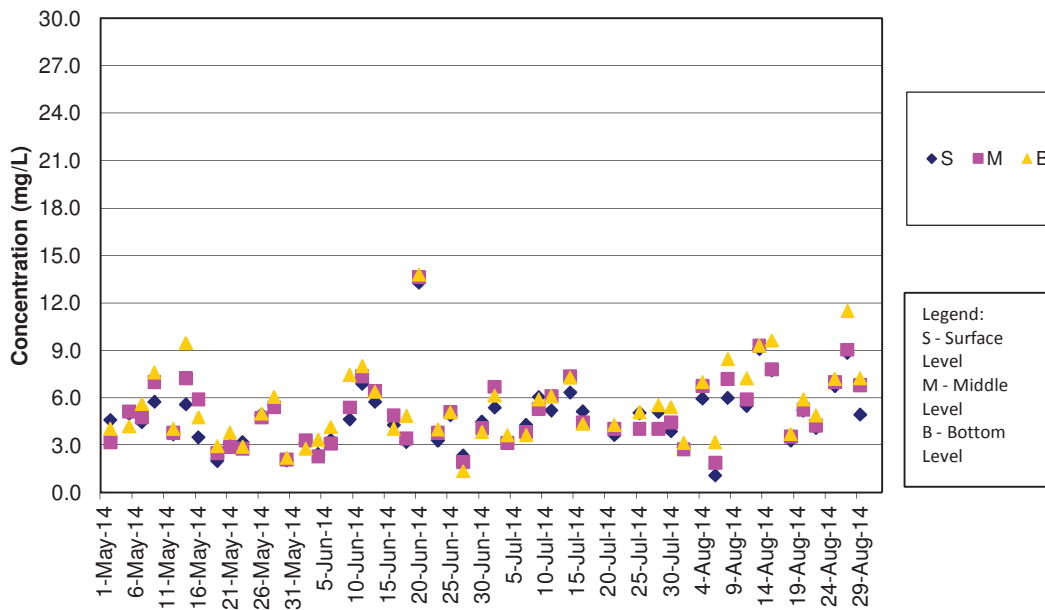
SS Concentrations at Station IS5 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

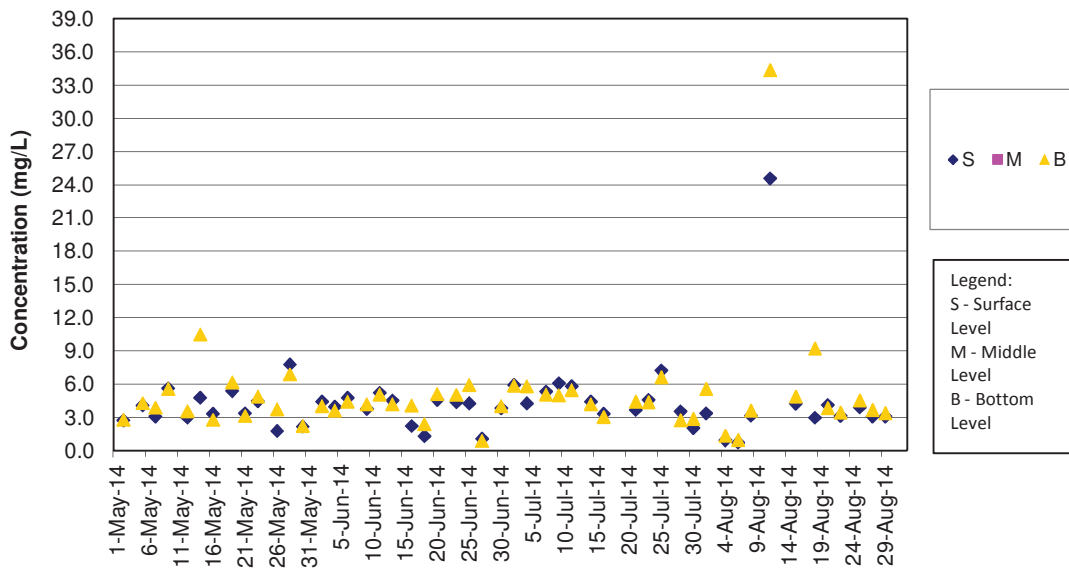
SS Concentrations at Station IS5 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

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

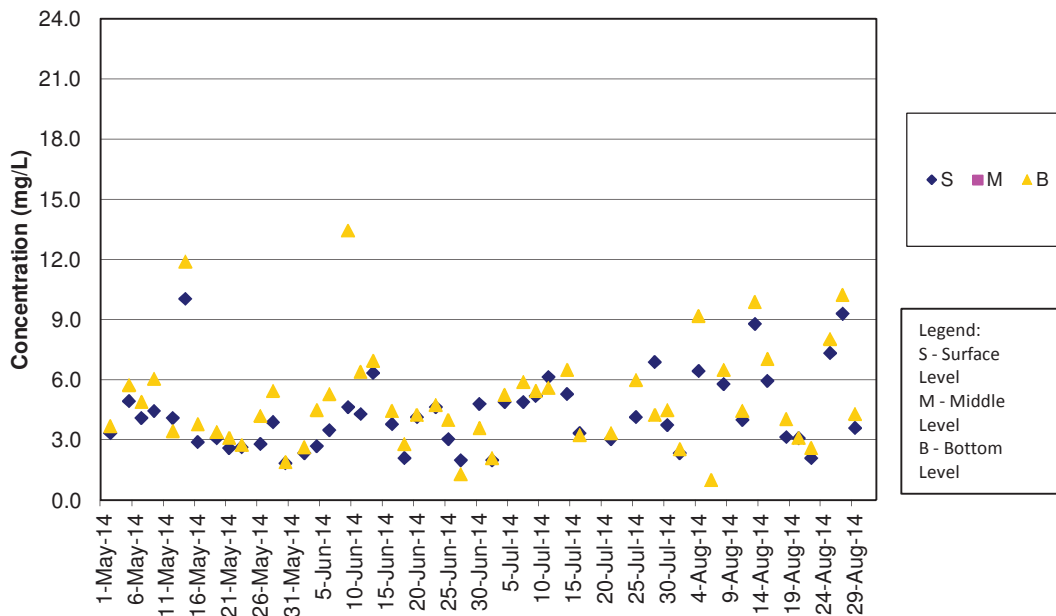


Remark:

1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.

2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

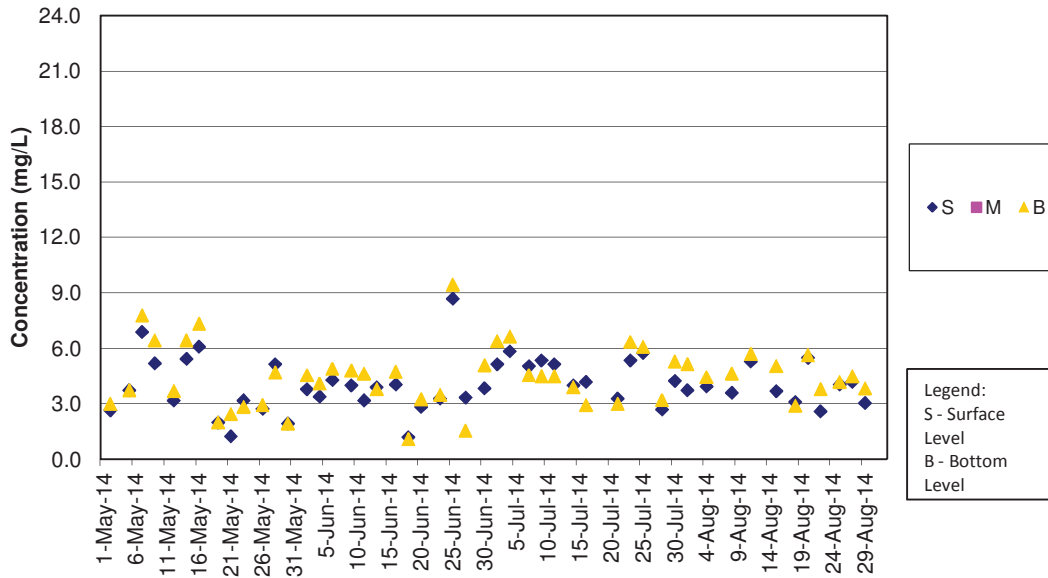
SS Concentrations at Station IS(Mf)6 (Mid Flood)



Remark:

1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

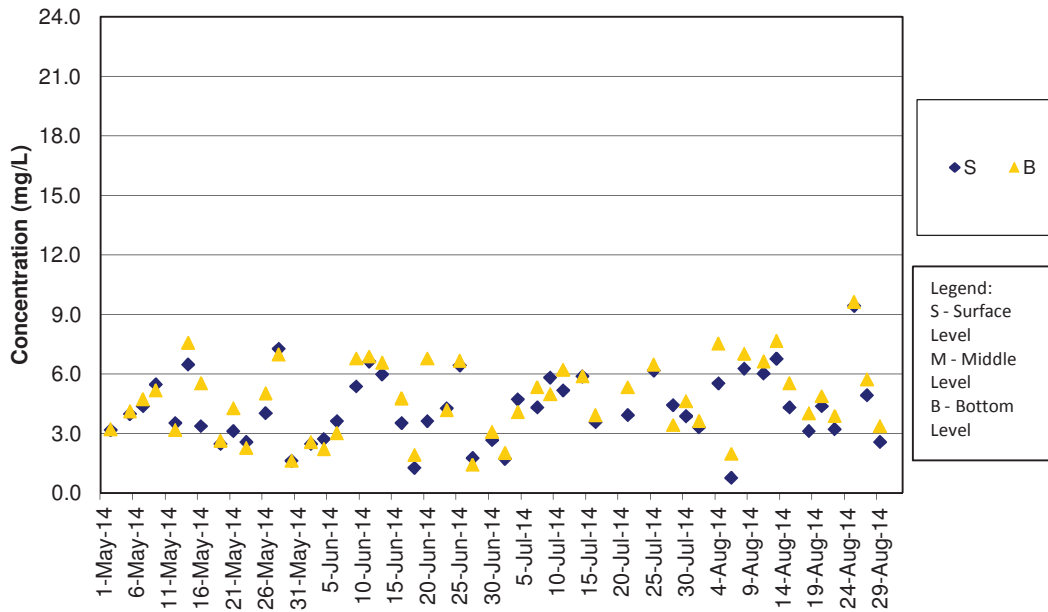
SS Concentrations at Station IS7 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

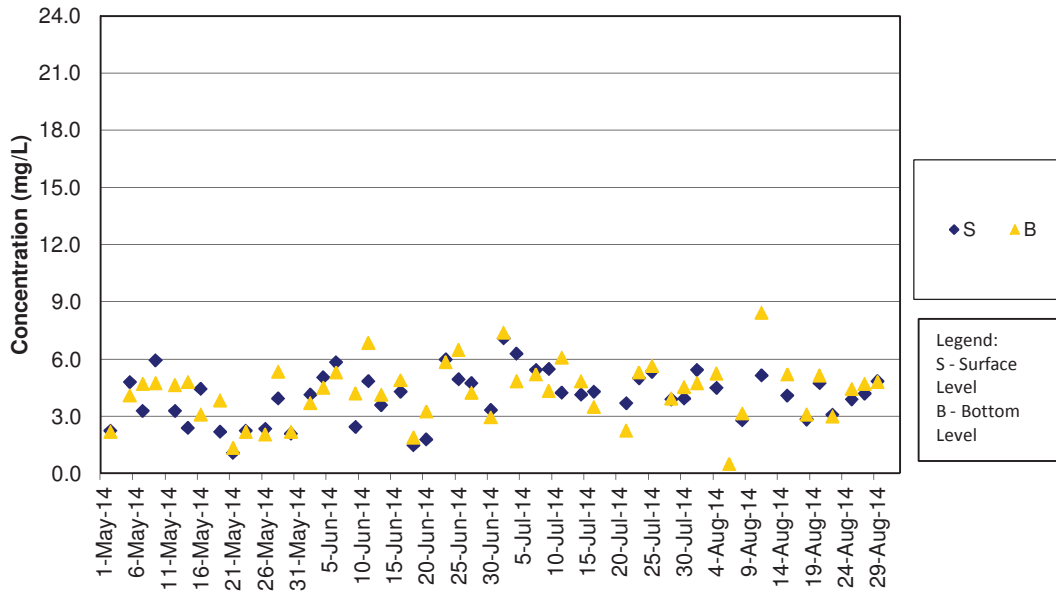
SS Concentrations at Station IS7 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

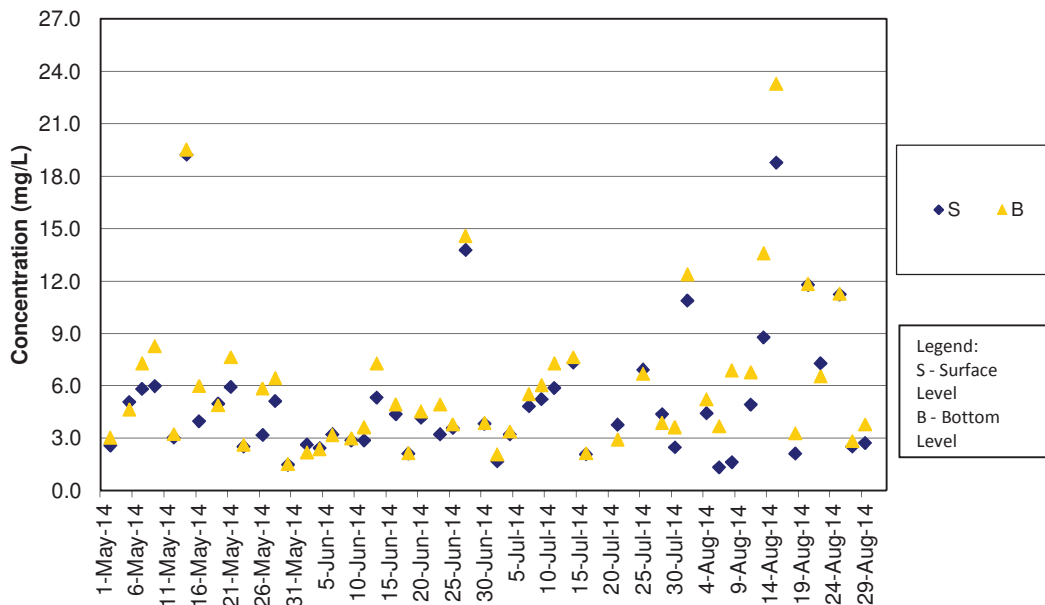
SS Concentrations at Station IS8 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

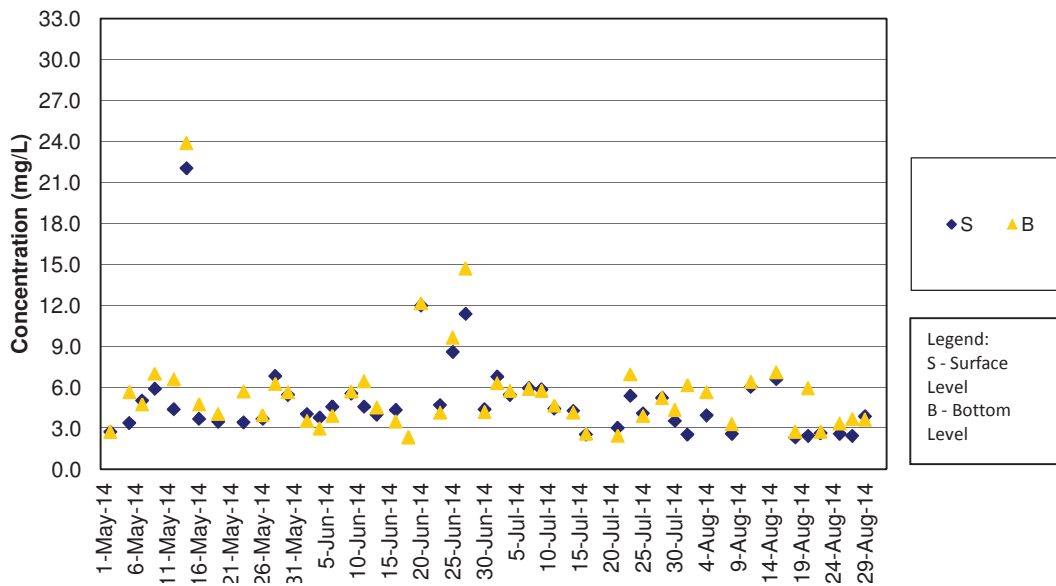
SS Concentrations at Station IS8 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

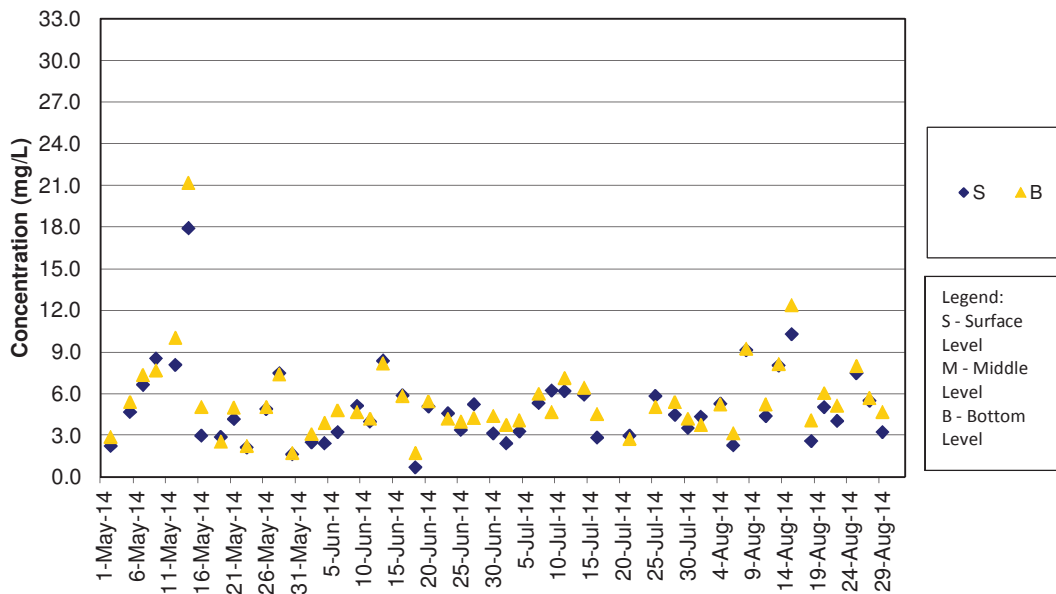
SS Concentrations at Station IS(Mf)9 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

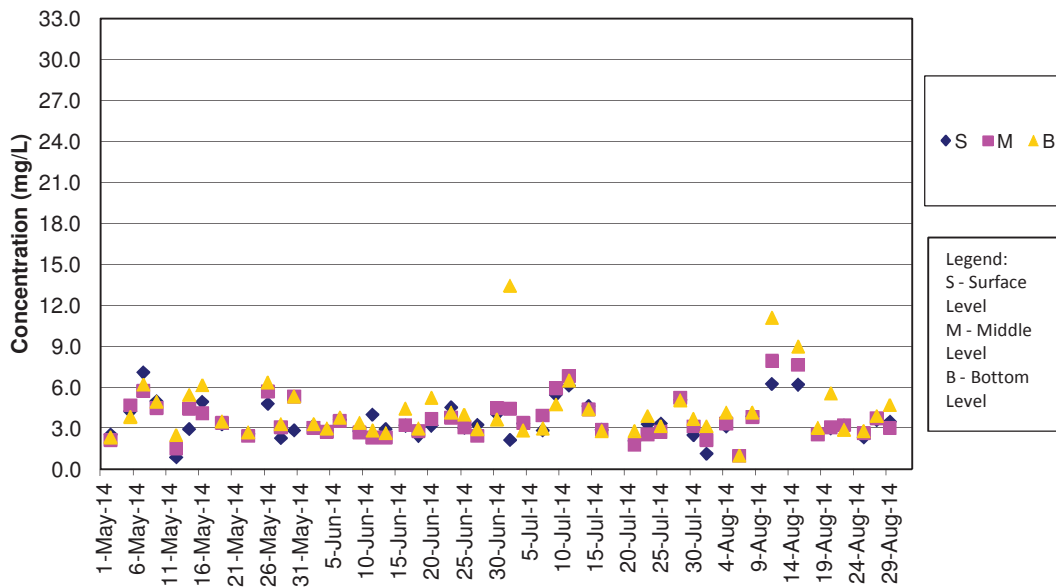
SS Concentrations at Station IS(Mf)9 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

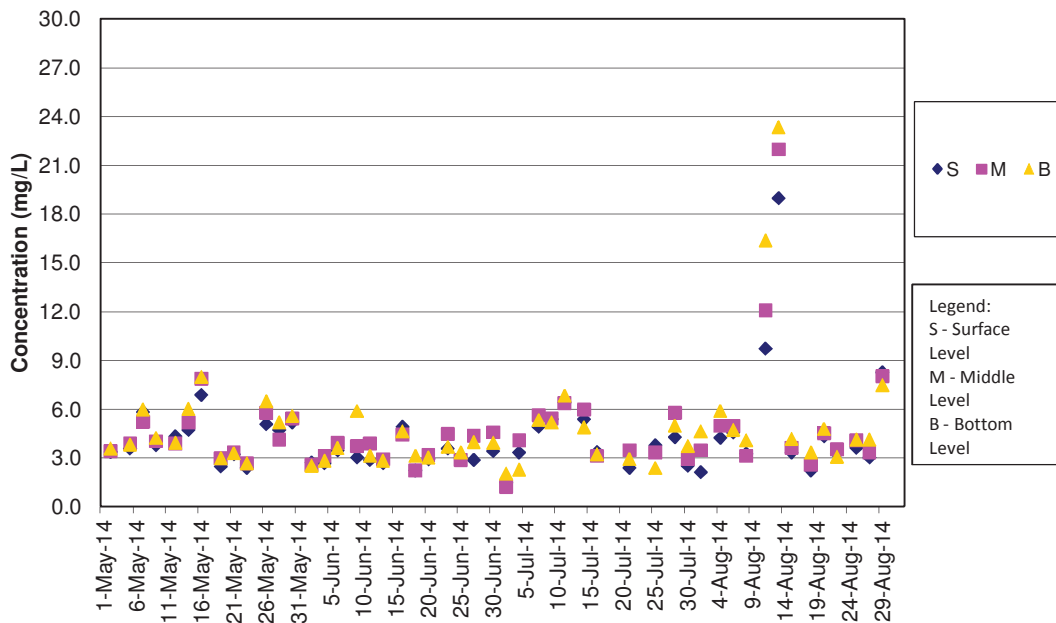
SS Concentrations at Station IS10 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

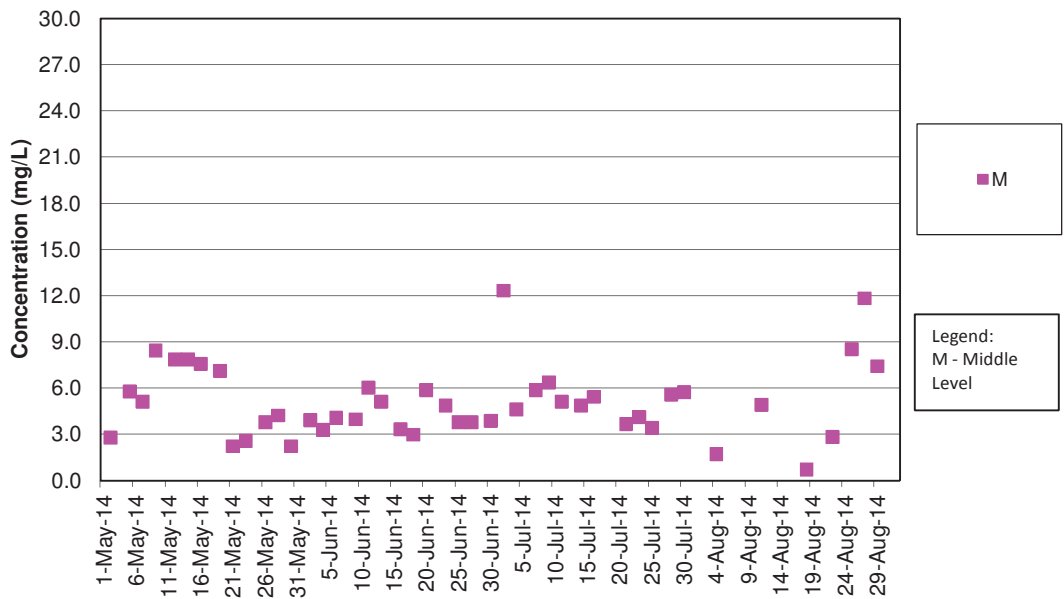
SS Concentrations at Station IS10 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

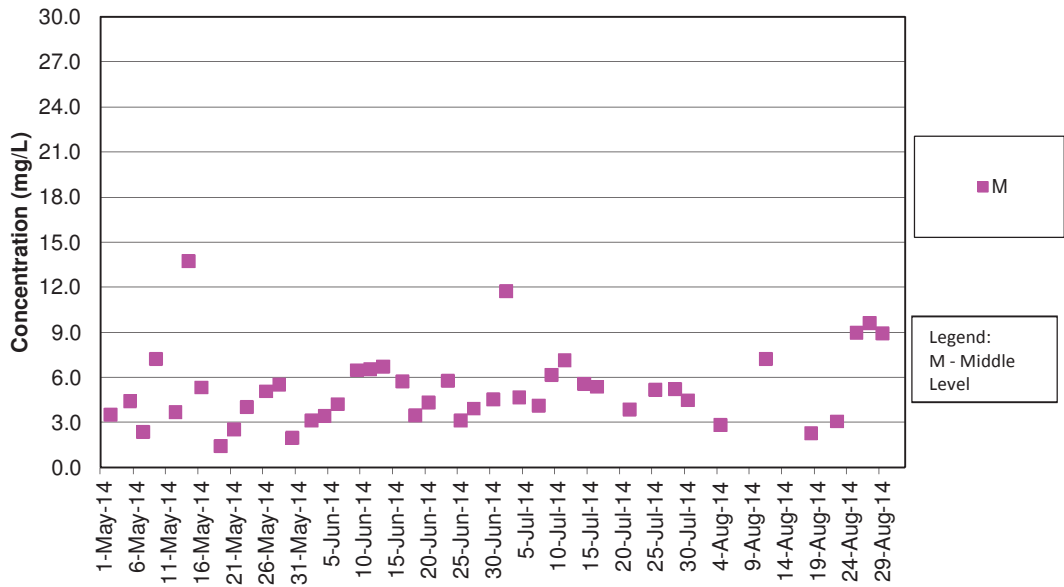
SS Concentrations at Station SR3 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

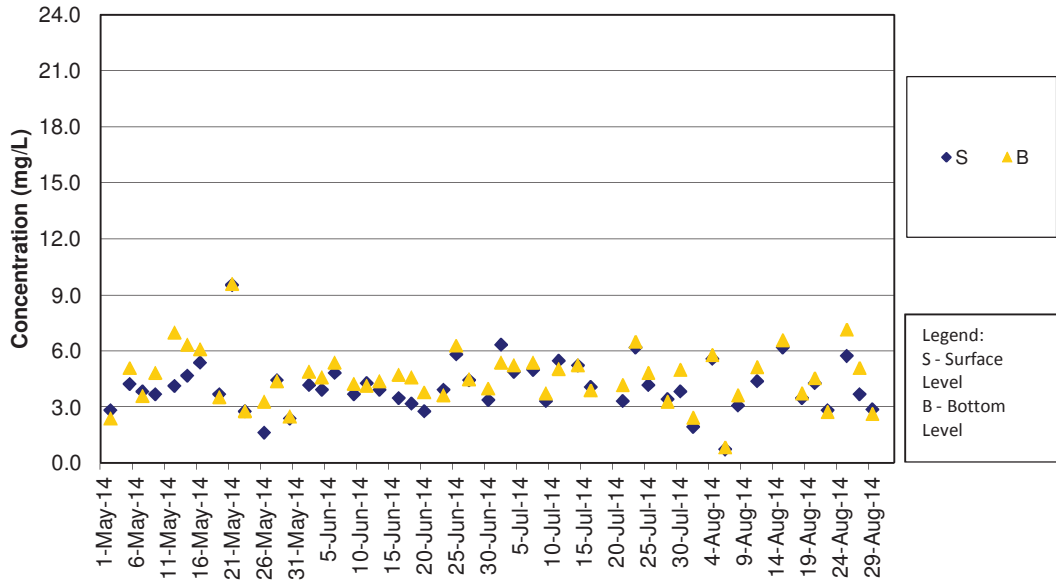
SS Concentrations at Station SR3 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

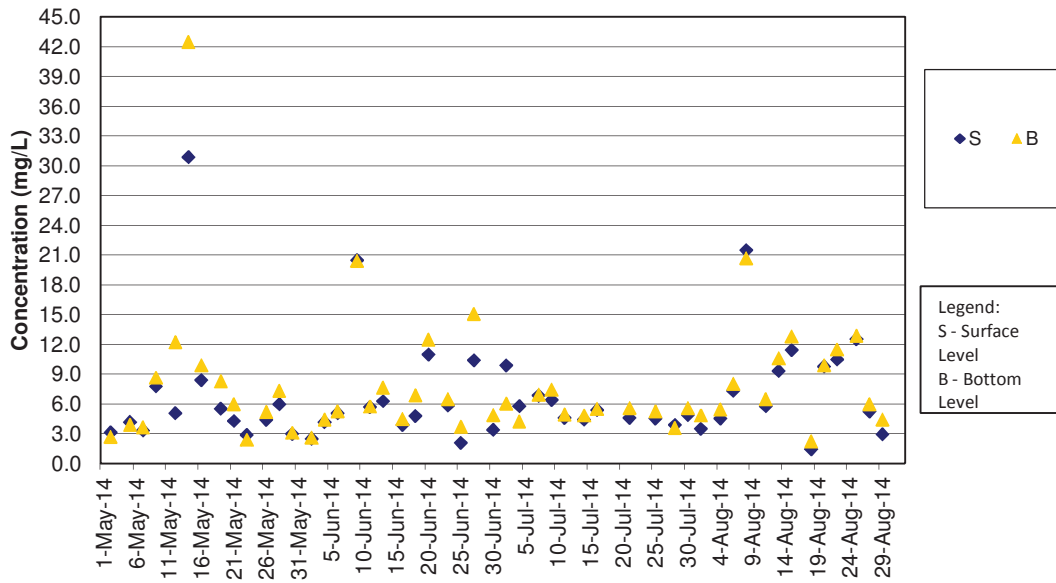
SS Concentrations at Station SR4 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

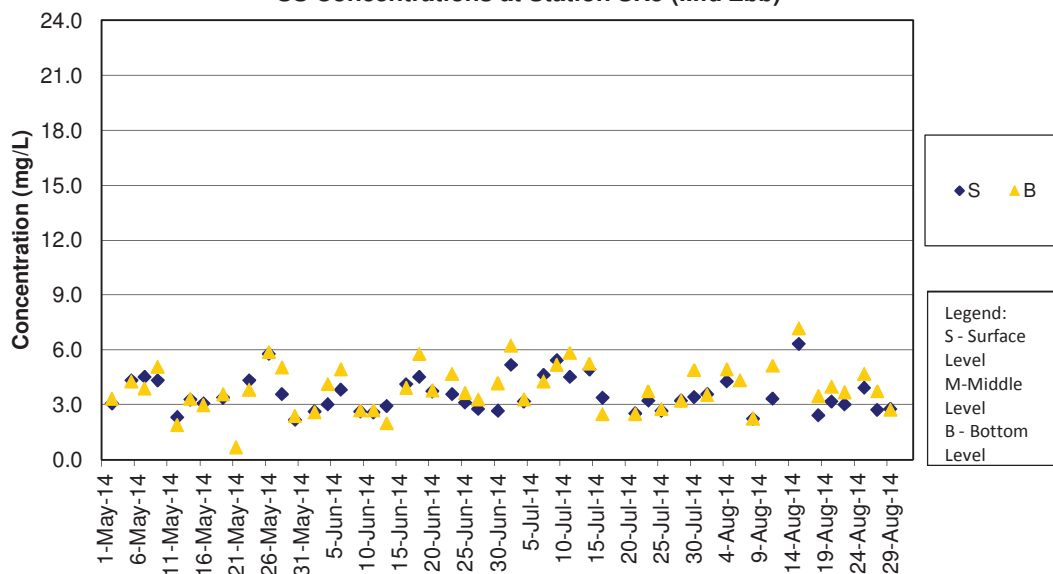
SS Concentrations at Station SR4 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

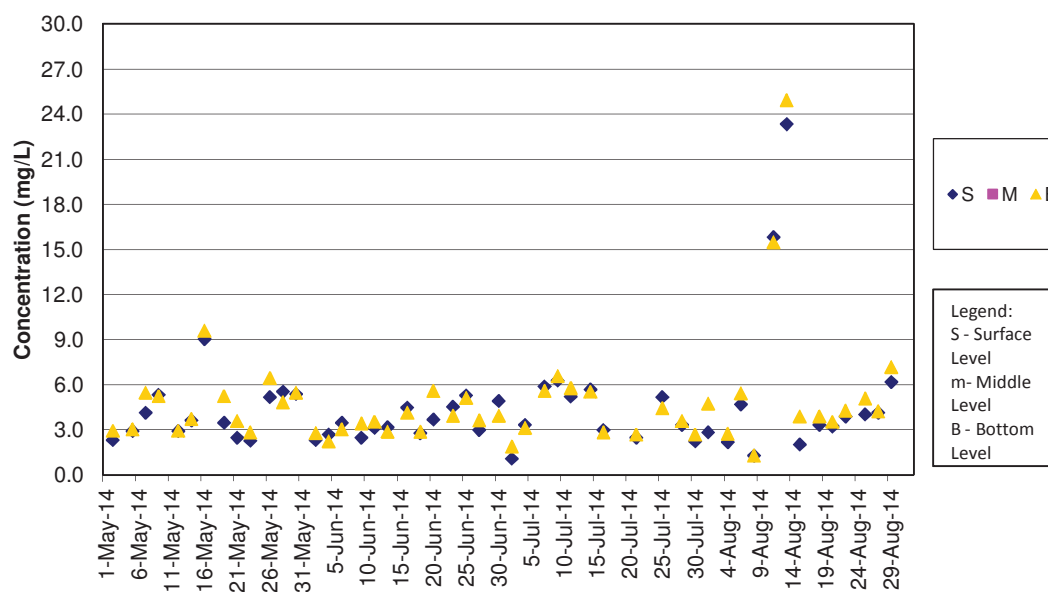
SS Concentrations at Station SR5 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

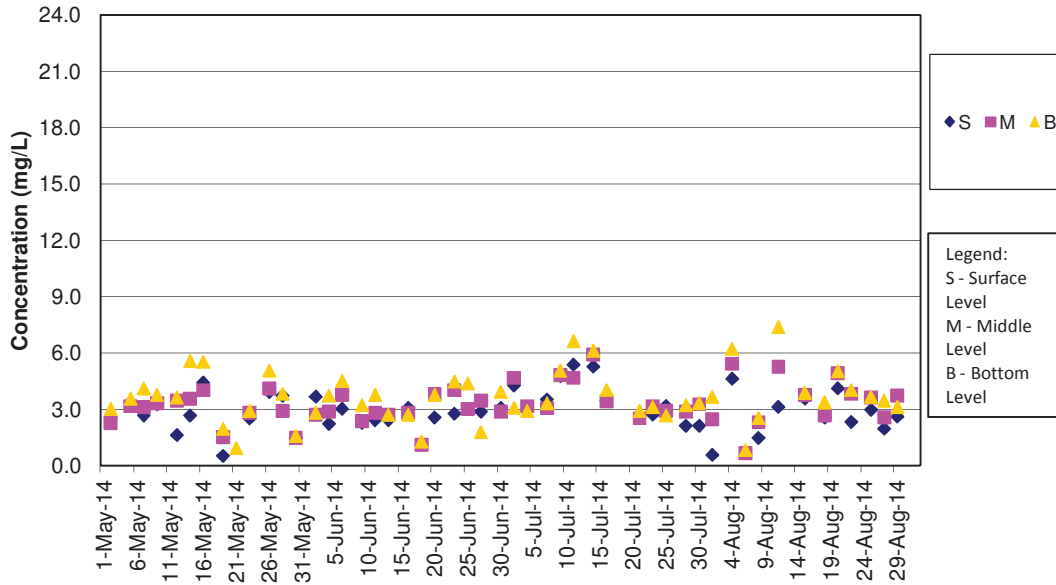
SS Concentrations at Station SR5 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

SS Concentrations at Station SR10A (Mid Ebb)

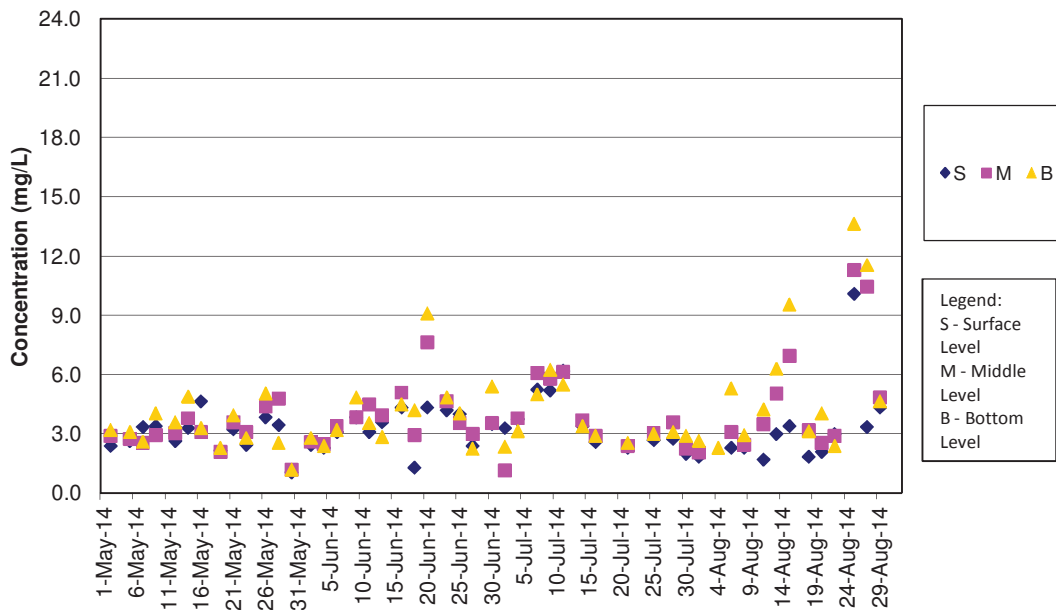


Remark:

1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.

2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

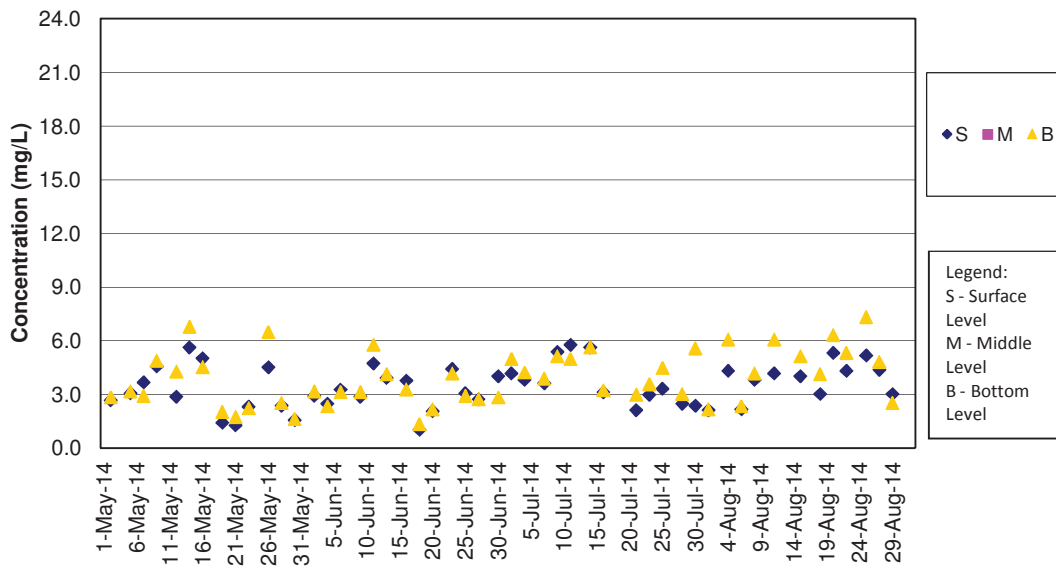
SS Concentrations at Station SR10A (Mid Flood)



Remark:

1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

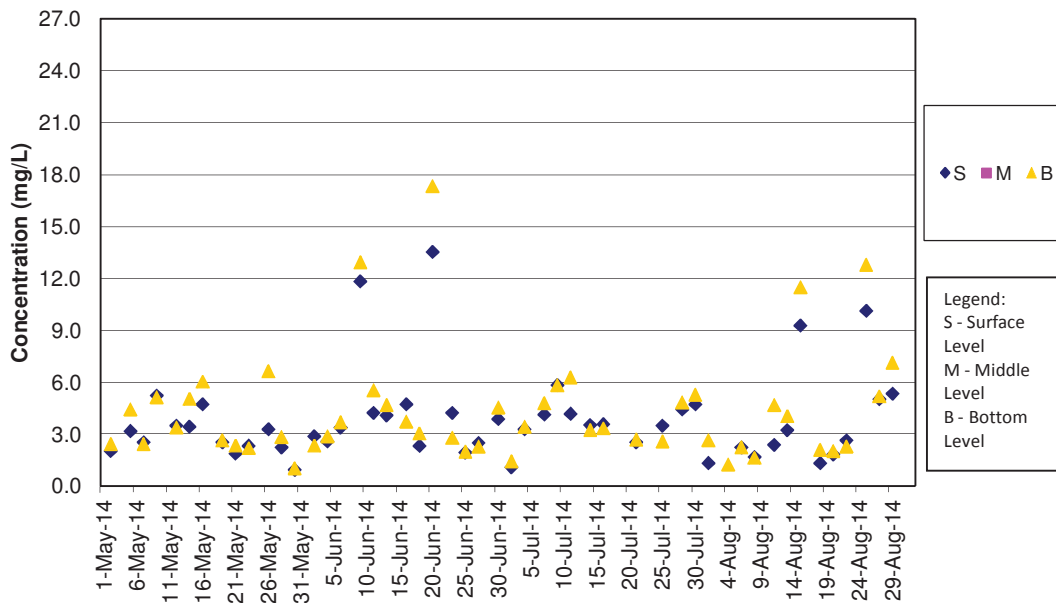
SS Concentrations at Station SR10B (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

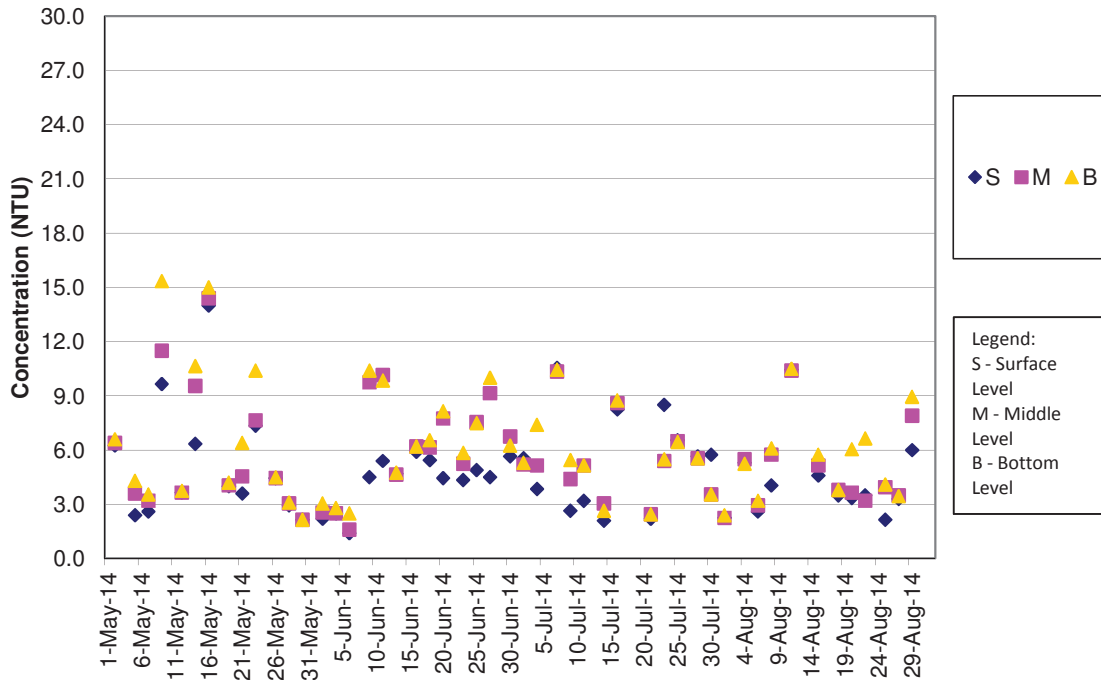
SS Concentrations at Station SR10B (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

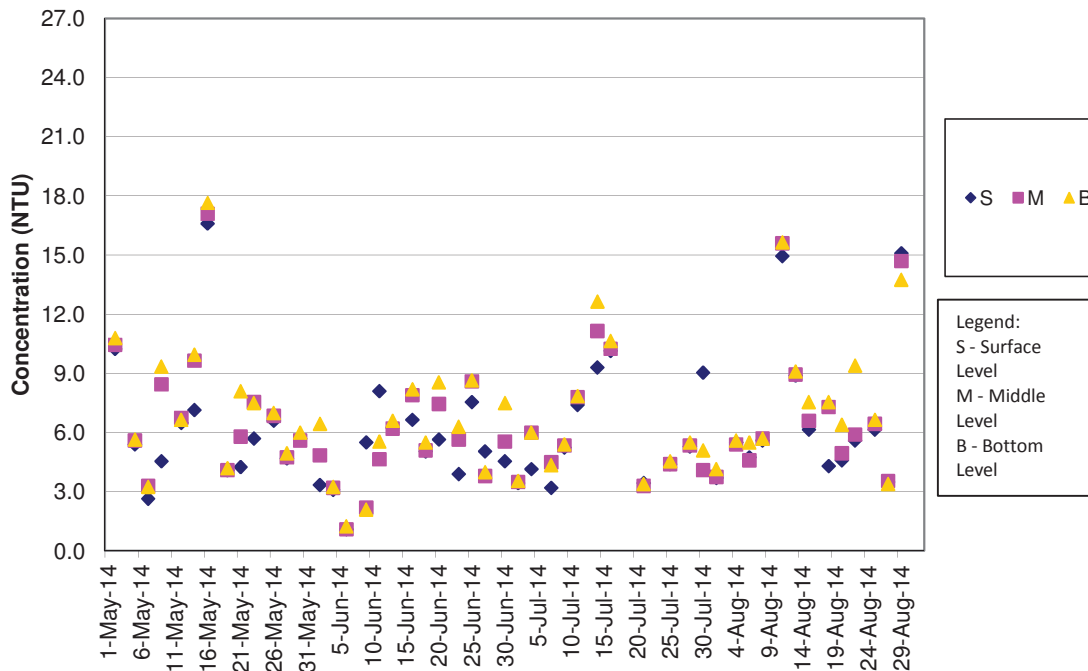
Turbidity Concentrations at Station CS2 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory .

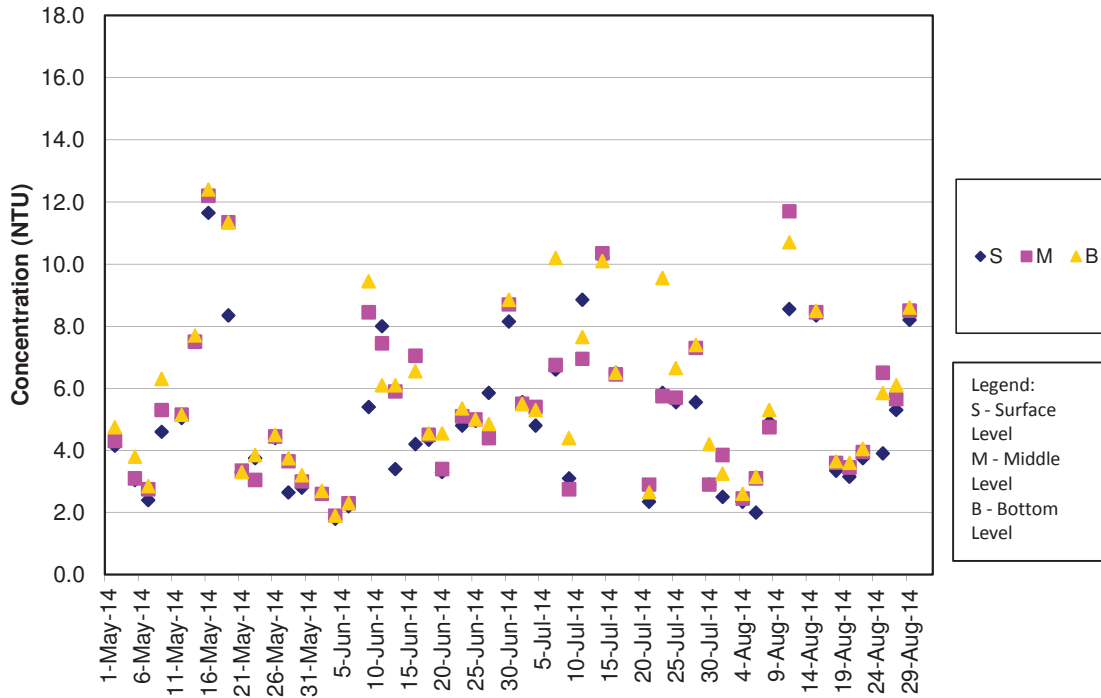
Turbidity Concentrations at Station CS2 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

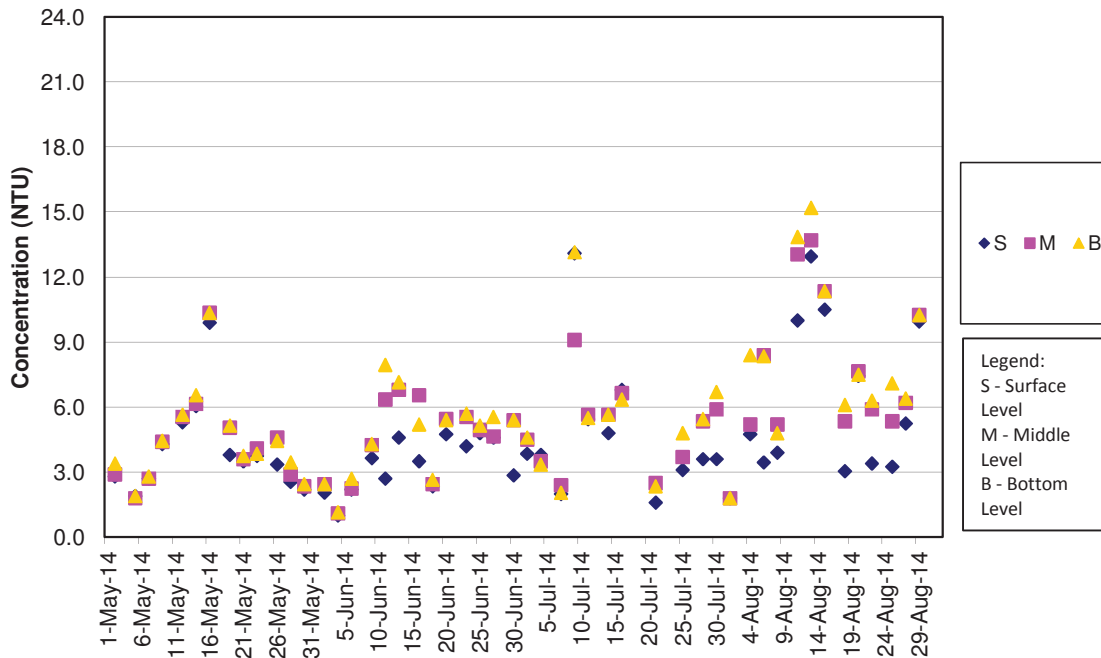
Turbidity Concentrations at Station CS(Mf)5 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

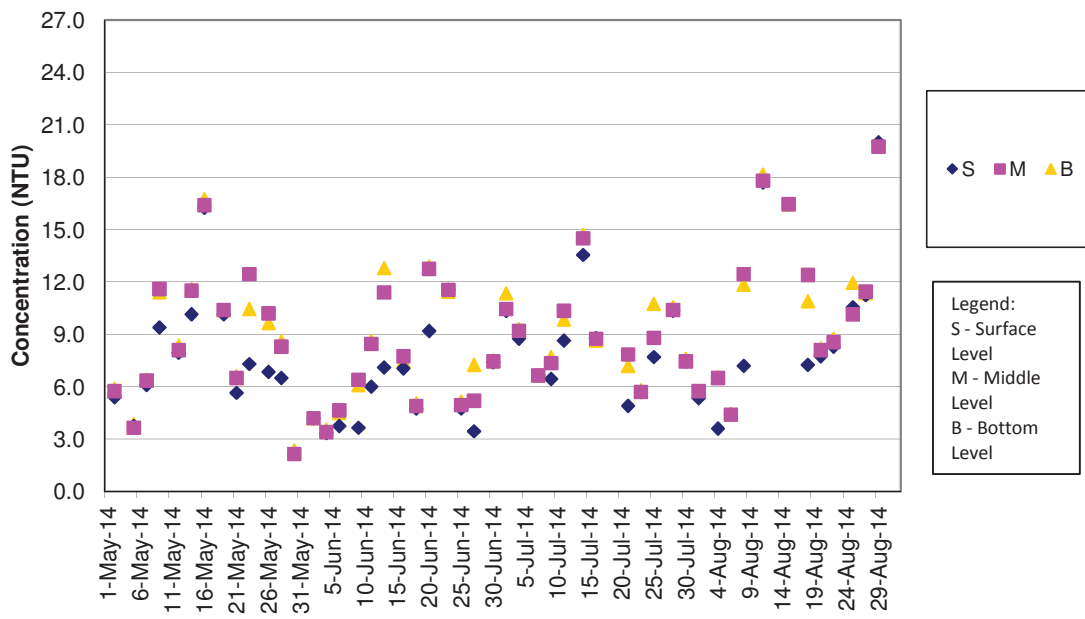
Turbidity Concentrations at Station CS(Mf)5 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

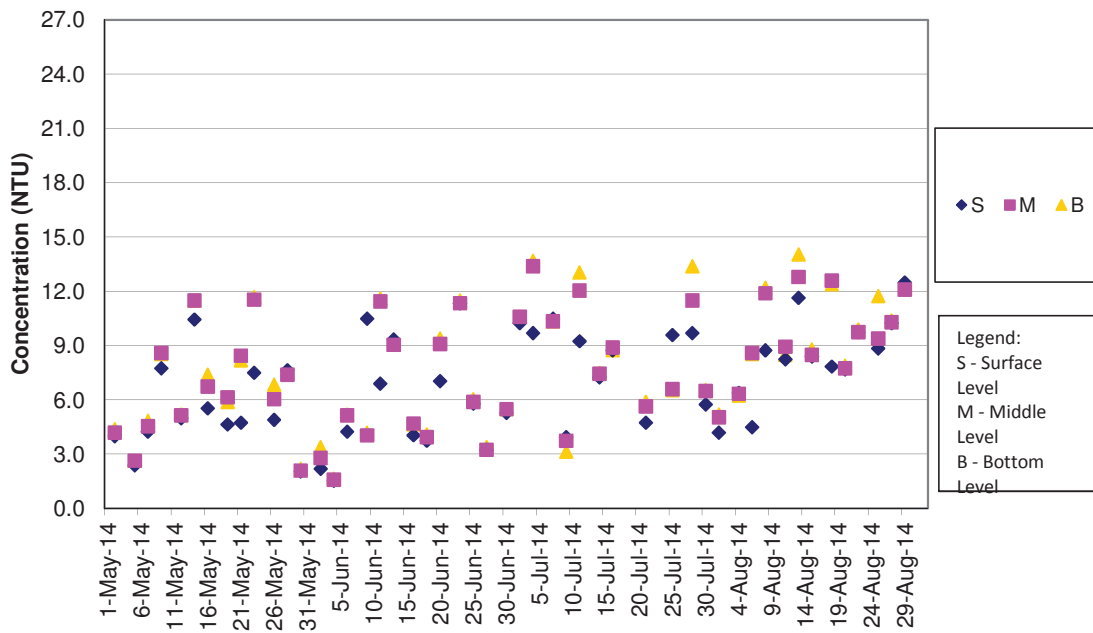
Turbidity Concentrations at Station IS5 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

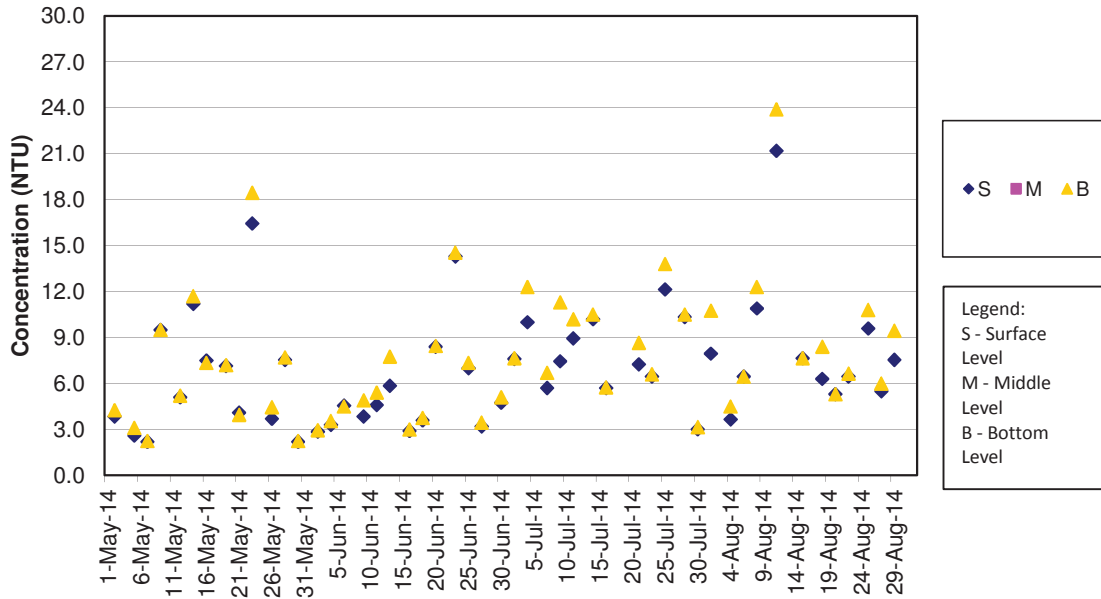
Turbidity Concentrations at Station IS5 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

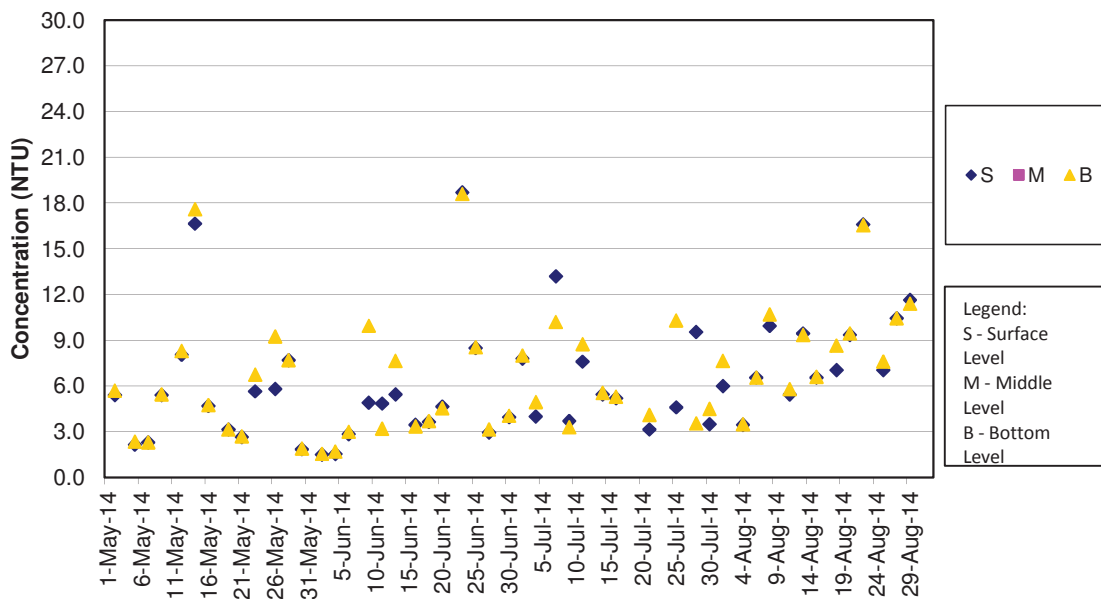
Turbidity Concentrations at Station IS(Mf)6 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

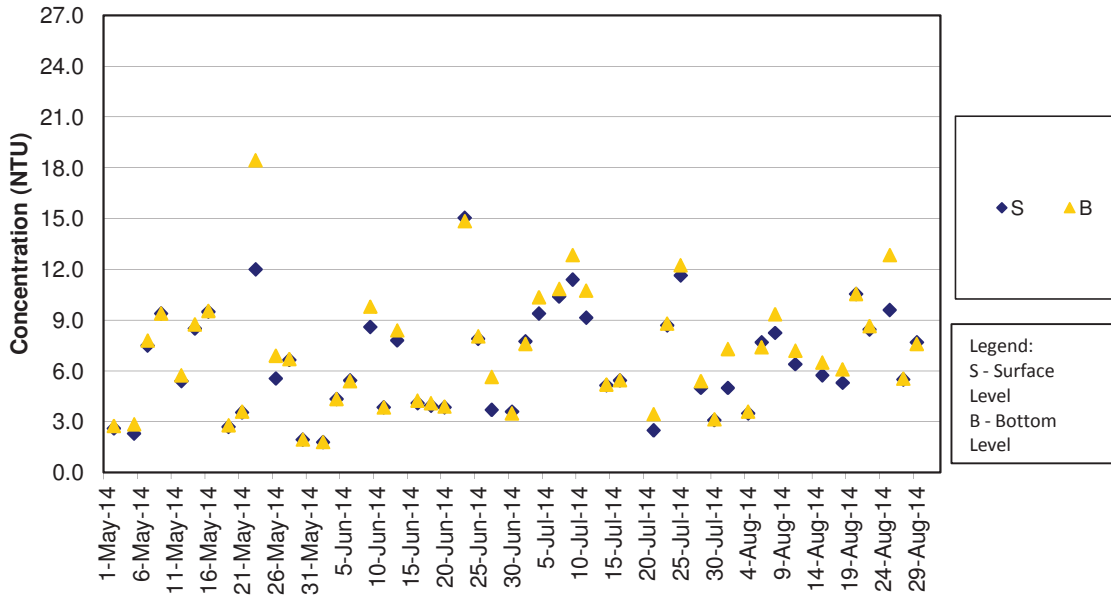
Turbidity Concentrations at Station IS(Mf)6 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

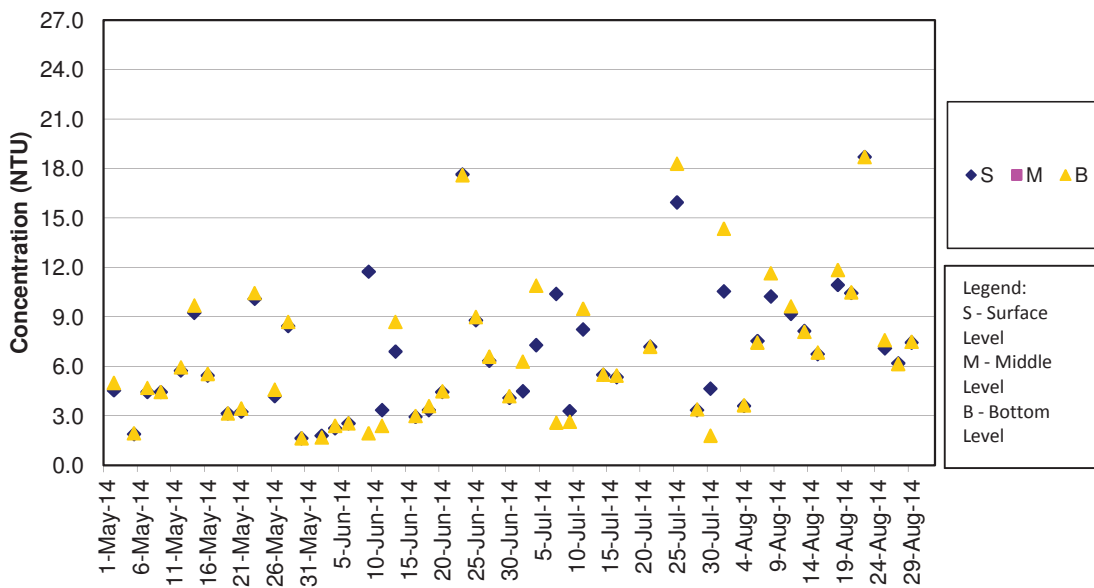
Turbidity Concentrations at Station IS7 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

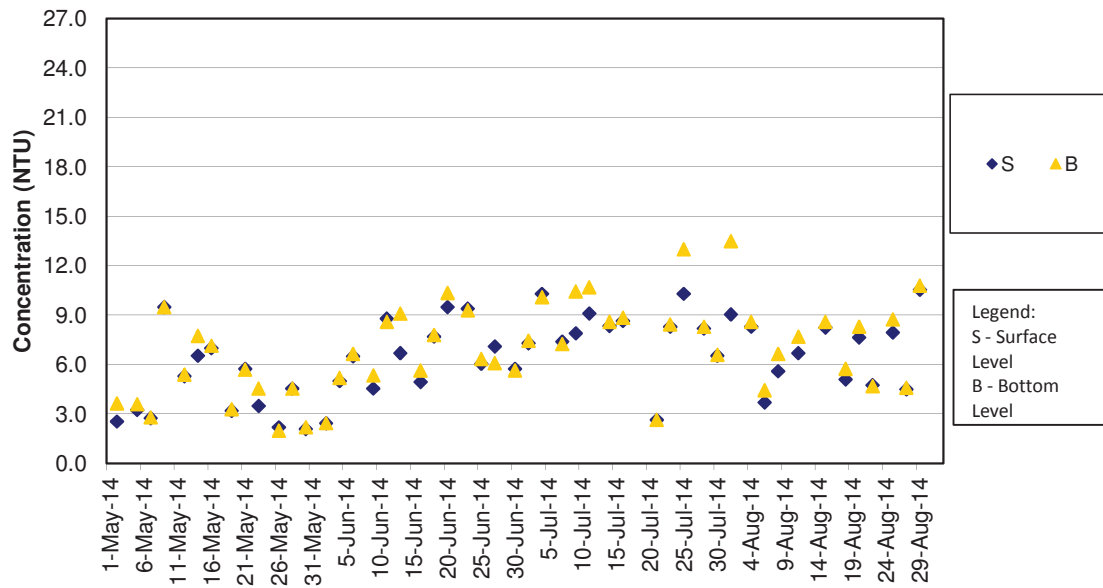
Turbidity Concentrations at Station IS7 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

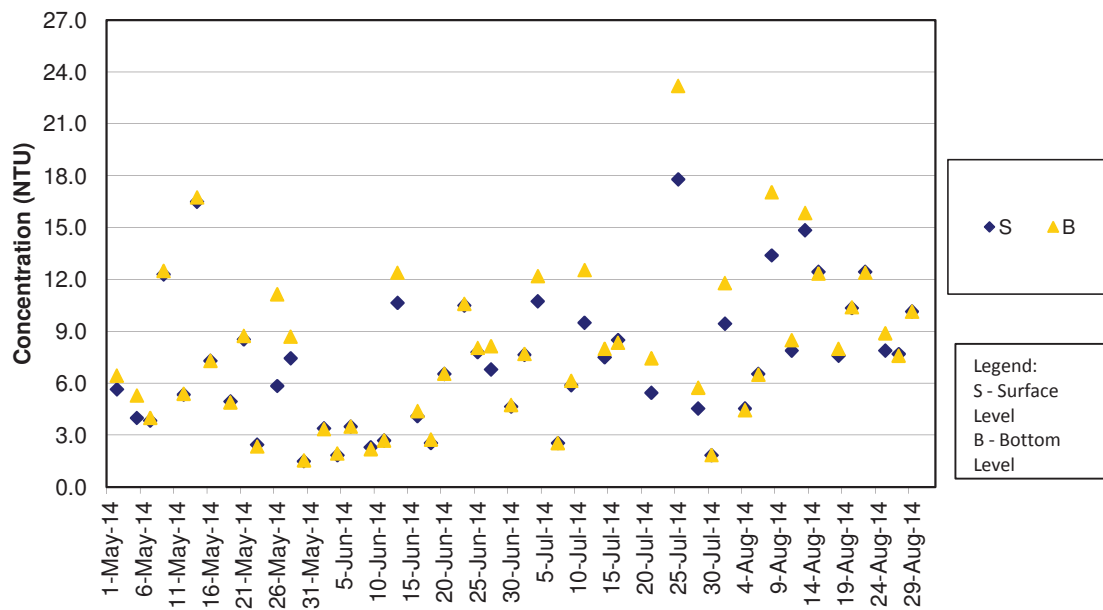
Turbidity Concentrations at Station IS8 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

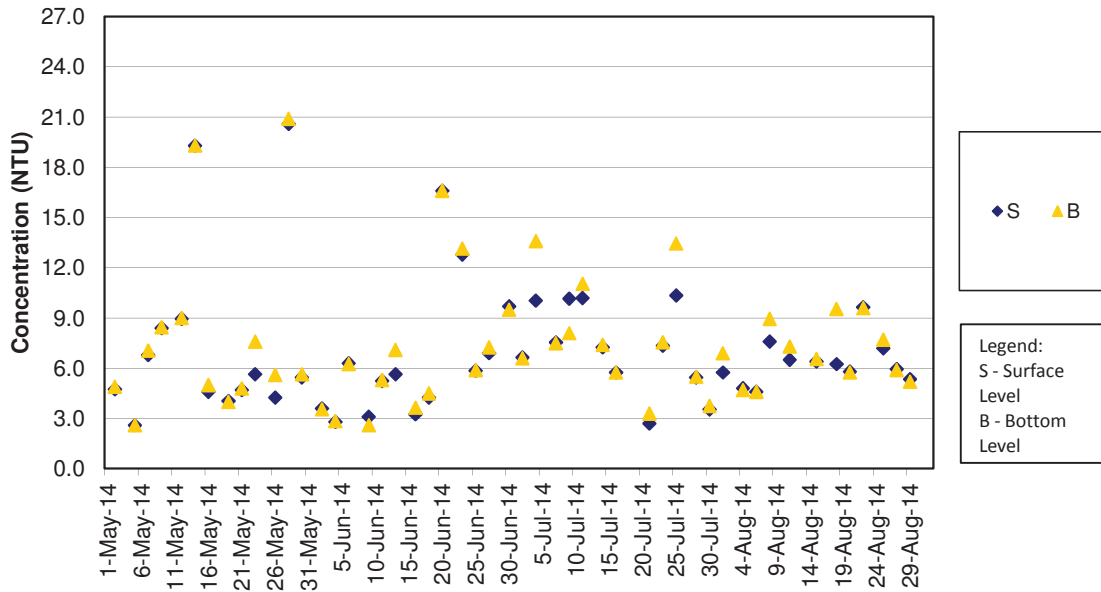
Turbidity Concentrations at Station IS8 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

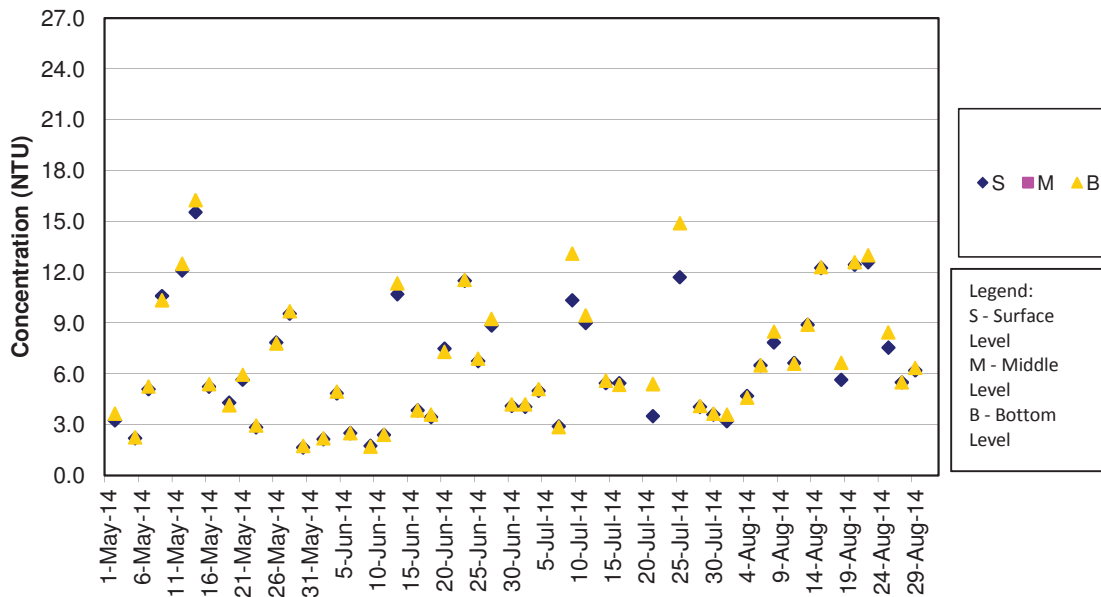
Turbidity Concentrations at Station IS(Mf)9 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

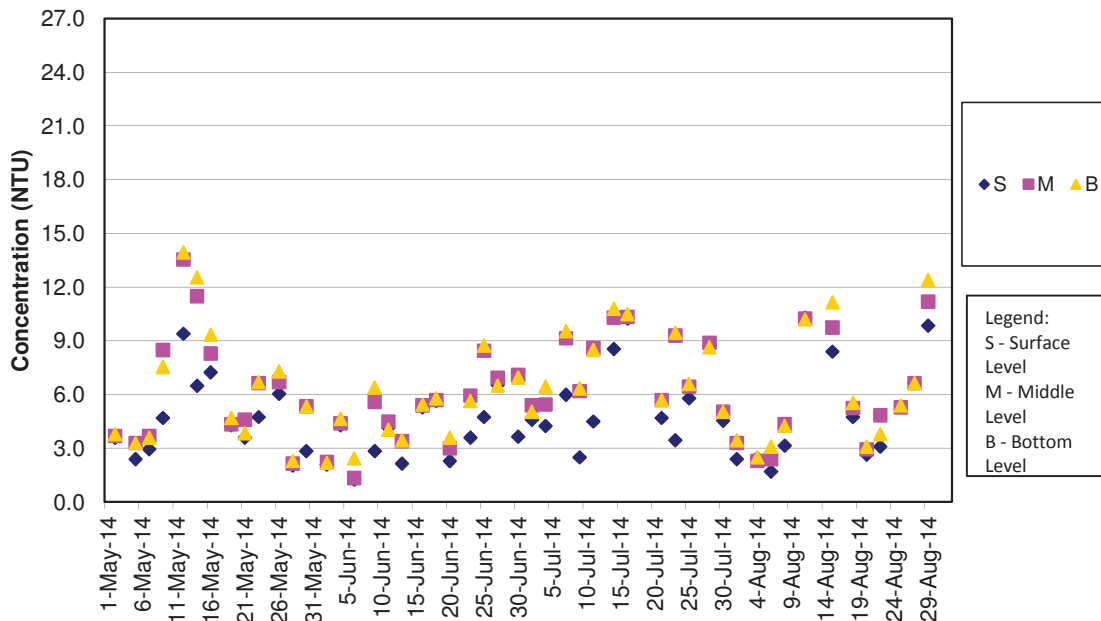
Turbidity Concentrations at Station IS(Mf)9 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

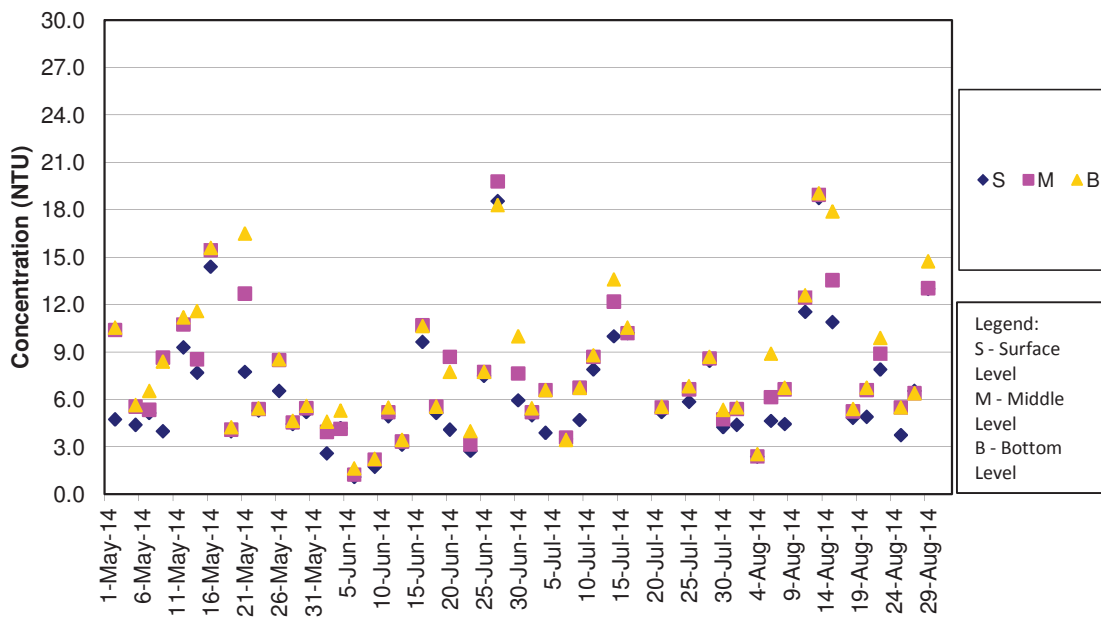
Turbidity Concentrations at Station IS10 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

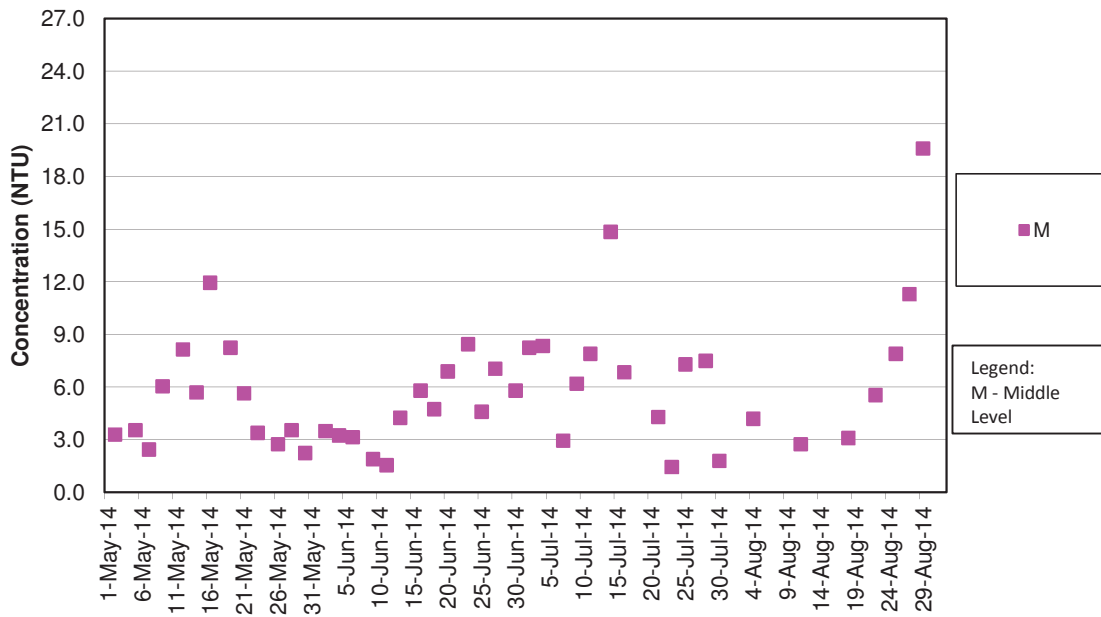
Turbidity Concentrations at Station IS10 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

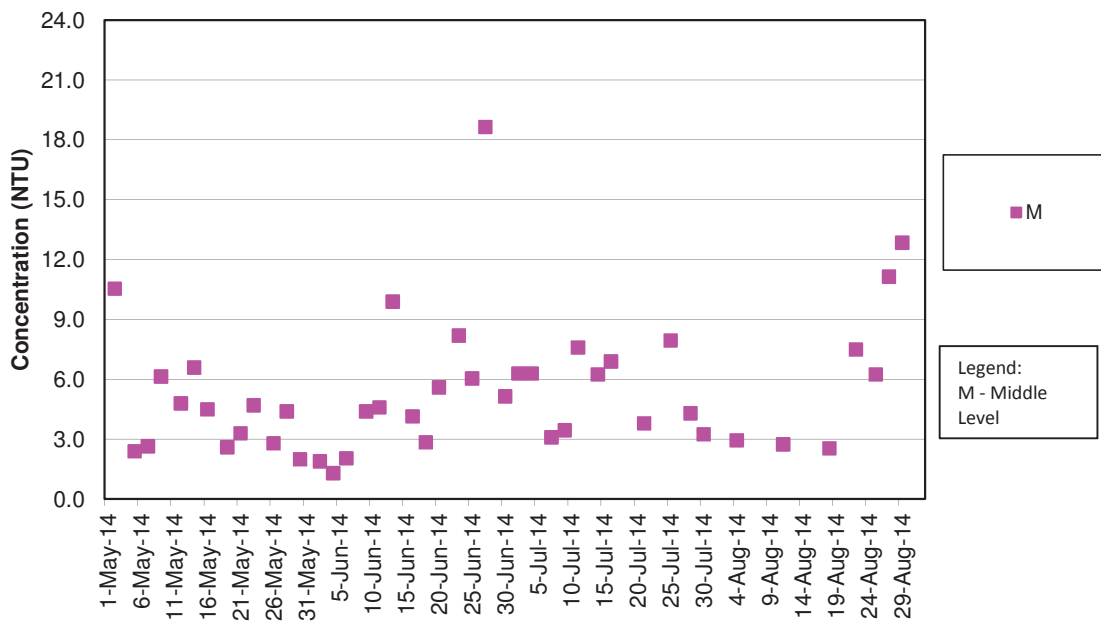
Turbidity Concentrations at Station SR3 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

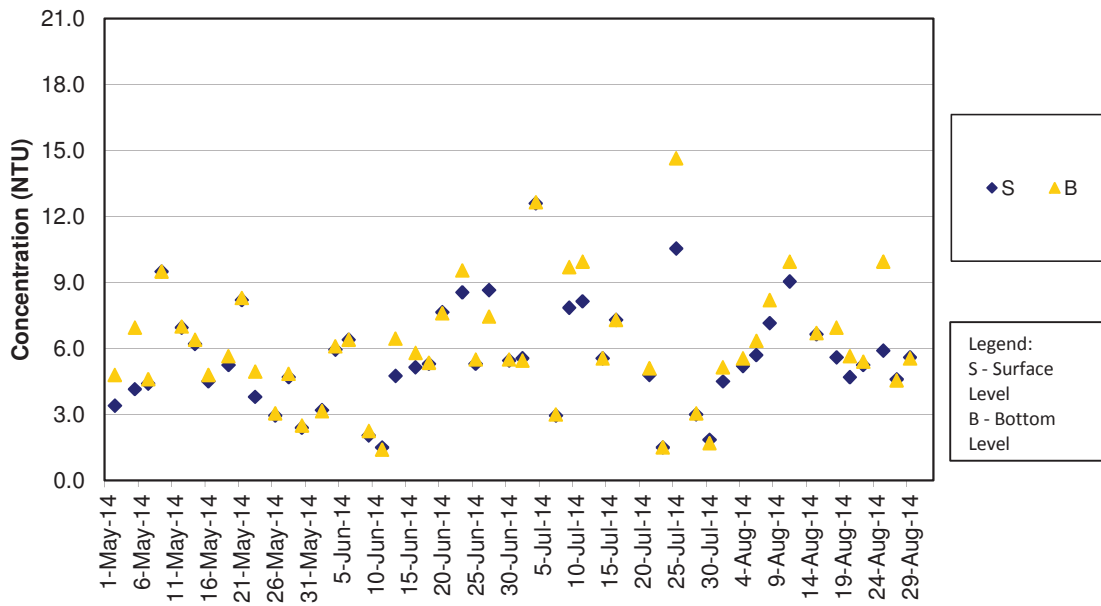
Turbidity Concentrations at Station SR3 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

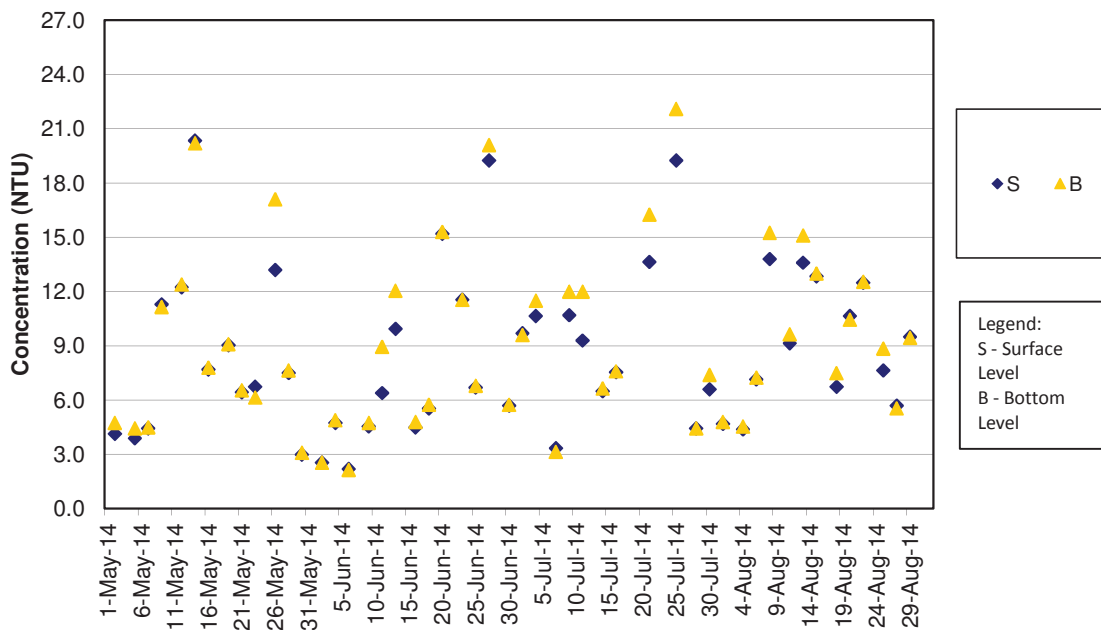
Turbidity Concentrations at Station SR4 (Mid Ebb)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2) Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

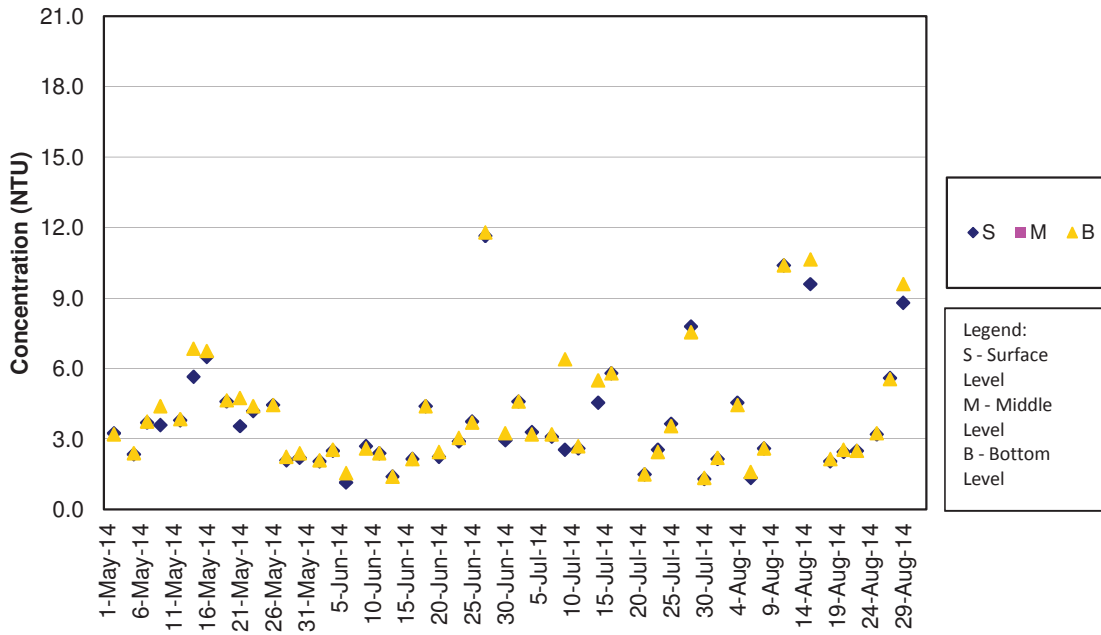
Turbidity Concentrations at Station SR4 (Mid Flood)



Remark:

- 1) Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

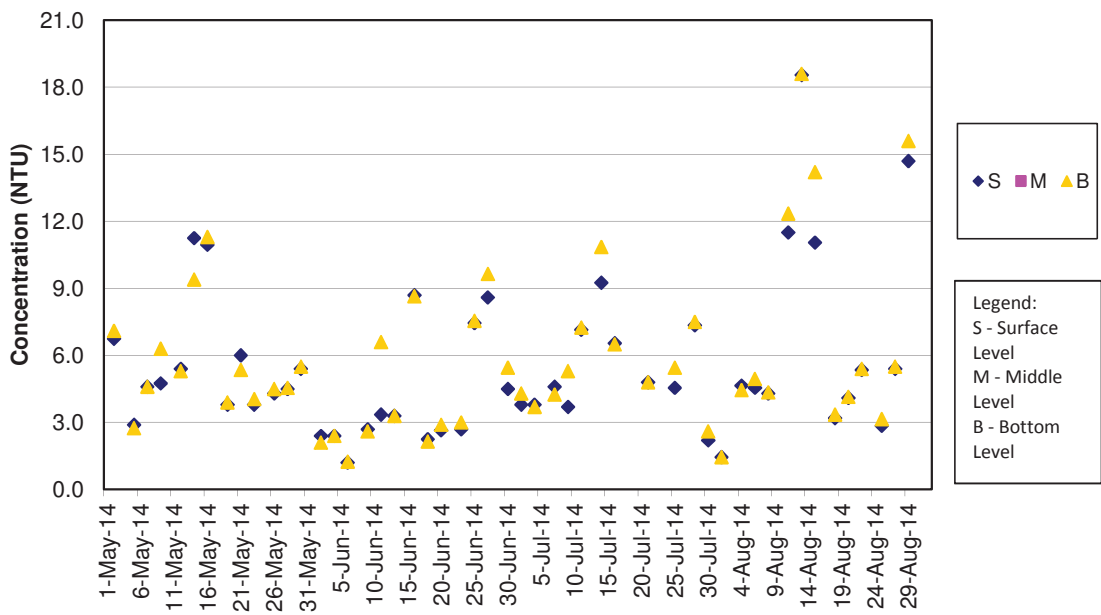
Turbidity Concentrations at Station SR5 (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

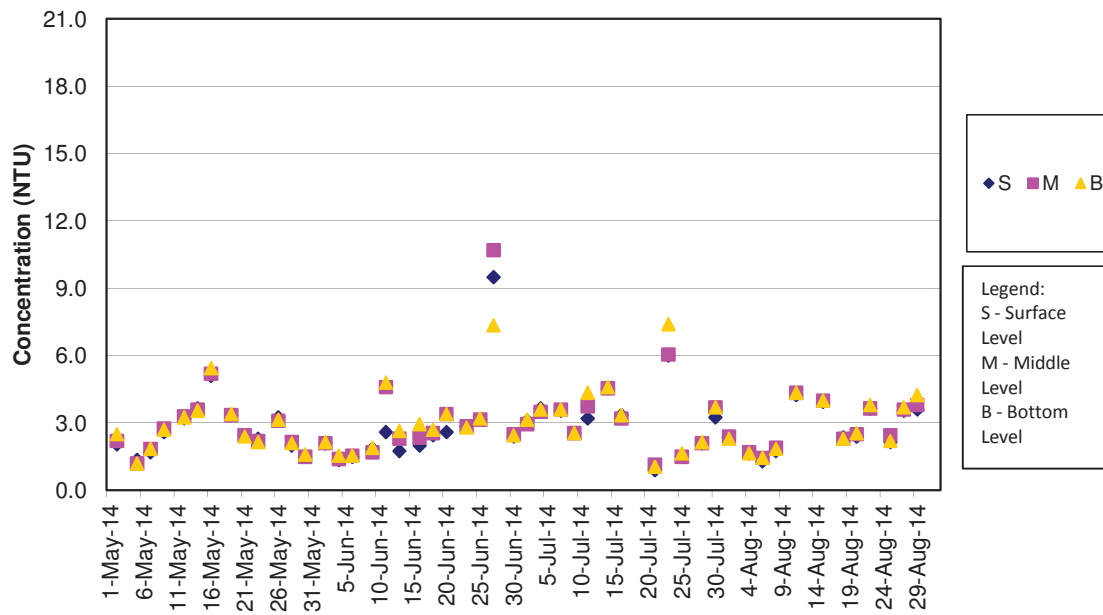
Turbidity Concentrations at Station SR5 (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

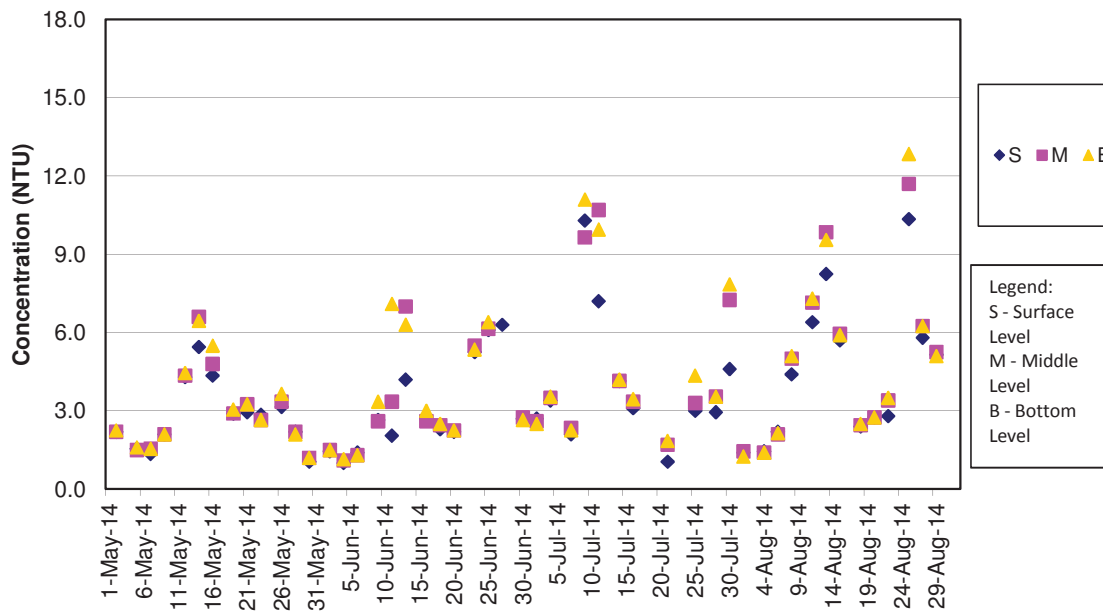
Turbidity Concentrations at Station SR10A (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

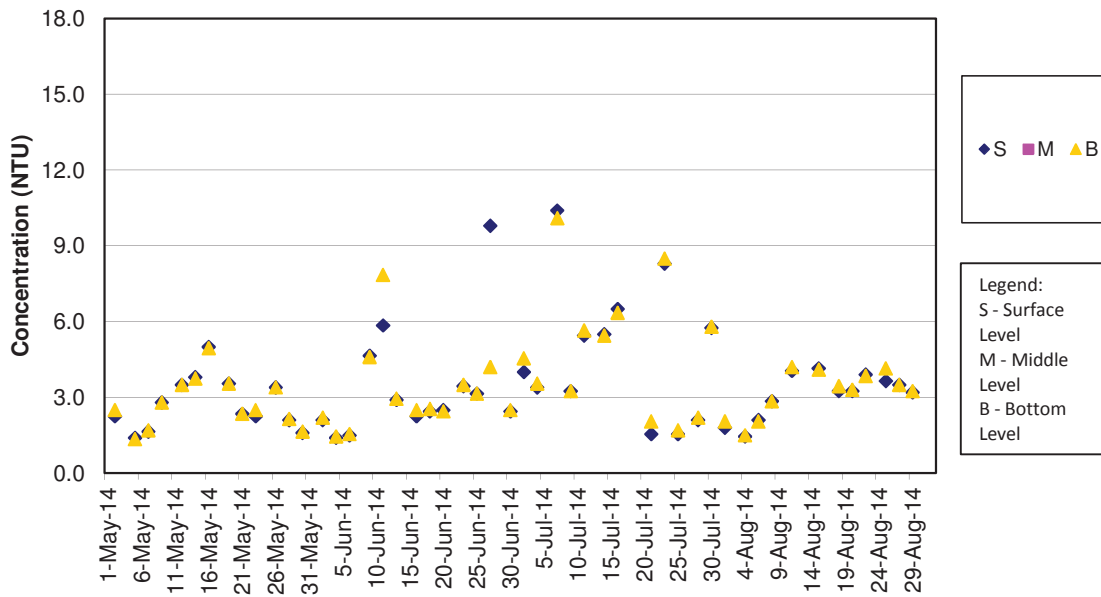
Turbidity Concentrations at Station SR10A (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.

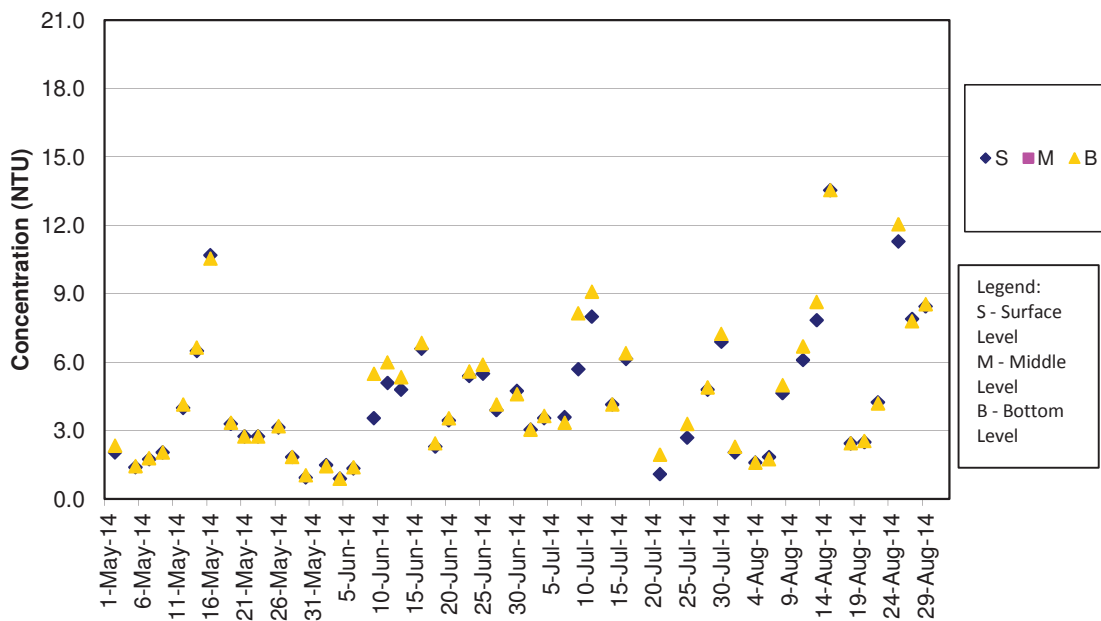
Turbidity Concentrations at Station SR10B (Mid Ebb)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong Observatory.
- 2)Water quality monitoring for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by Hong Kong Observatory.

Turbidity Concentrations at Station SR10B (Mid Flood)



Remark:

- 1)Water quality monitoring on 18 Jul 2014 was cancelled for safety reason as Strong Wind Signal No. 3 was hoisted by Hong Kong observatory.



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
8th Quarterly EM&A Report (Rev.2)

APPENDIX J

Dolphin Monitoring Results



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

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

Quarterly Progress Report (June-August 2014)
submitted to China State Construction Engineering (HK) Ltd.

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

20 September, 2014

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 eighth 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 2014.

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

Table 1. Co-ordinates of transect lines

Line No.		Easting	Northing		Line No.		Easting	Northing
1	Start Point	804671	814577		13	Start Point	816506	819480
1	End Point	804671	831404		13	End Point	816506	824859
2	Start Point	805475	815457		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	820690		19	Start Point	822513	823268
7	End Point	810499	824613		19	End Point	822513	824321
8	Start Point	811508	820847		20	Start Point	823477	823402
8	End Point	811508	824254		20	End Point	823477	824613

9	Start Point	812516	820892		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	818449		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					

- 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 16 years of marine mammal monitoring surveys in Hong Kong developed by HKCRP (see Hung 2013). 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 entire quarterly period (June-August 2014).

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:

$$\begin{aligned} \text{SPSE} &= ((S / E) \times 100) / \text{SA}\% \\ \text{DPSE} &= ((D / E) \times 100) / \text{SA}\% \end{aligned}$$

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 2014, 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 894.40 km of survey effort was collected, with 93.6% 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, 343.21 km and 551.19 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 647.96 km, while the effort on secondary lines was 246.44 km. Both survey effort conducted on primary and secondary lines were considered as on-effort survey data. Summary table of the survey effort is shown in Appendix I.
- 3.1.4. During the six sets of monitoring surveys in June to August 2014, a total of 28 groups of 96 Chinese White Dolphins were sighted. All except two dolphin

sightings were made during on-effort search. Twenty on-effort sightings were made on primary lines, while another six on-effort sightings were made on secondary lines. In this quarterly period, almost all dolphin groups were sighted in NWL, with the exception of one group of four dolphins being sighted in NEL. Summary table of the dolphin sightings is shown in Appendix II.

3.2. *Distribution*

- 3.2.1. Distribution of dolphin sightings made during monitoring surveys in June to August 2014 is shown in Figure 1. In this quarter, the majority of dolphin sightings were made in the western end of the North Lantau region, with higher concentration within and adjacent to the Sha Chau and Lung Kwu Chau Marine Park (Figure 1). Other dolphin sightings were scattered to the west and northeast of airport platform. The lone sighting made in NEL was located to the north of Yam O at the eastern end of the survey area.
- 3.2.2. Notably, none of the dolphin groups was sighted in the vicinity of the HKLR03/HKBCF reclamation sites or along the entire alignment of Tuen Mun-Chek Lap Kok Link (TMCLKL) during this quarterly period (Figure 1).
- 3.2.3. Sighting distribution of the present impact phase monitoring period (June to August 2014) was compared to the one during the baseline monitoring period (September to November 2011). In the present quarter, dolphins have mostly avoided the NEL region, which was in stark contrast to their frequent occurrence around the Brothers Islands and in the vicinity of HKBCF reclamation site during the baseline period (Figure 1). The nearly abandonment of NEL region by the dolphins have been consistently recorded in the past six quarters.
- 3.2.4. On the other hand, dolphin occurrence in the northwestern portion of North Lantau region was somewhat different between the baseline and impact phase quarters. During the present impact monitoring period, there appeared to be much fewer dolphins occurred in the middle portion of North Lantau region than during the baseline period, where dolphins supposedly moved between their core areas around Lung Kwu Chau and the Brothers Islands (Figure 1). Moreover, more dolphins were sighted between Black Point and Lung Kwu Chau during the baseline period than during the present impact monitoring period (Figure 1). A number of dolphin sightings were made to the west of Chek Lap Kok airport (especially near the HKLR09 alignment) during the baseline period, but only two sightings were made there during the present impact phase period.
- 3.2.5. As the baseline monitoring period was in the autumn season while the present

monitoring period was in the summer season, a direct comparison in dolphin distribution between the two quarterly periods of summer months in 2013 and 2014 was also made to avoid the potential bias contributed by seasonal variation in distribution (Figure 2).

3.2.6. Among the two summer periods, only one dolphin sighting was made in NEL in the summer of 2014, while there were five sightings made there in the summer of 2013. Moreover, a lot more dolphin sightings were made in the middle and western portions of North Lantau waters (especially near Black Point, Pillar Point, to the north of airport platform and near the HKLR09 alignment) in the summer of 2013 than in the summer of 2014.

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).

Table 2. Dolphin encounter rates (sightings per 100 km of survey effort) during June-August 2014

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 (3 & 5 Jun 2014)	0.00	0.00
	Set 2 (10 & 16 Jun 2014)	0.00	0.00
	Set 3 (3, 9 & 10 Jul 2014)	2.54	10.16
	Set 4 (14 & 21 Jul 2014)	0.00	0.00
	Set 5 (5 & 6 Aug 2014)	0.00	0.00
	Set 6 (15 & 19 Aug 2014)	0.00	0.00
Northwest Lantau	Set 1 (3 & 5 Jun 2014)	1.67	5.00
	Set 2 (10 & 16 Jun 2014)	0.00	0.00
	Set 3 (3, 9 & 10 Jul 2014)	3.03	10.61
	Set 4 (14 & 21 Jul 2014)	8.40	26.60
	Set 5 (5 & 6 Aug 2014)	5.63	22.52
	Set 6 (15 & 19 Aug 2014)	9.70	40.40

Table 3. Comparison of average dolphin encounter rates from impact monitoring period (June – August 2014) 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)

	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 2014	September - November 2011	June - August 2014	September - November 2011
Northeast Lantau	0.42 ± 1.04	6.00 ± 5.05	1.69 ± 4.15	22.19 ± 26.81
Northwest Lantau	4.74 ± 3.84	9.85 ± 5.85	17.52 ± 15.12	44.66 ± 29.85

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 5.04 sightings and 17.54 dolphins per 100 km of survey effort respectively, while the encounter rates of sightings (STG) and dolphins (ANI) in NEL were 0.29 sightings and 1.17 dolphins per 100 km of survey effort respectively.

3.3.3. In NEL, the average dolphin encounter rates (both STG and ANI) in the present three-month impact monitoring period was only a small fraction of the baseline value (i.e. less than 10%), and such low occurrence of dolphins in NEL have been consistently recorded in the past six quarters (Table 4).

3.3.4. It is a serious concern that dolphin occurrence in NEL in the past six quarters (0.0-1.0 for ER(STG) and 0.0-3.9 for ER(ANI)) have been exceptionally low when compared to the baseline period (Table 4). In fact, the present quarter was the seventh consecutive quarters being accessed that have triggered the Action Level under the Event and Action Plan. As discussed recently in Hung (2014), the dramatic decline in dolphin usage of NEL waters in 2012 and 2013 (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 in 2012.

3.3.5. Moreover, the average dolphin encounter rates (STG and ANI) in NWL during the present impact phase monitoring period were also much lower (reductions of 52% and 61% respectively) than the ones recorded in the 3-month baseline period, indicating a noticeable decline in dolphin usage of this survey area during the present construction period. In fact, both dolphin encounter rates in

summer 2014 have dropped to the lowest since the commencement of the HKLR03 dolphin monitoring (Table 5).

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)

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

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)

	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

3.3.6. A two-way ANOVA with repeated measures and unequal sample size was conducted to examine whether there were any significant differences in the average encounter rates between the baseline and impact monitoring periods.

The two variables that were examined included the two periods (baseline and impact phases) and two locations (NEL and NWL).

- 3.3.7. For the comparison between the baseline period and the present quarter (seventh quarter of the impact phase being assessed), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0199 and 0.0597 respectively. If the alpha value is set at 0.1, significant difference was detected between the baseline and present quarters in both dolphin encounter rates of STG and ANI.
- 3.3.8. For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first seven quarters of the impact phase being assessed), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0037 and 0.0013 respectively. Even if the alpha value is set at 0.01, significant differences were detected in both the average dolphin encounter rates of STG and ANI (i.e. between the two periods and the locations).
- 3.3.9. As indicated in both dolphin distribution patterns and encounter rates, dolphin usage has been significantly reduced in NEL waters (especially around the Brothers Islands and Shum Shui Kok) in the present quarterly period, and such low occurrence has been consistently documented in previous quarters. This raises serious concern, as the decline in dolphin usage could possibly link to the HZMB-related construction activities in NEL waters, which include the 150 hectares of habitat loss due to HKBCF reclamation, 23 hectares of habitat loss due to HKLR03 reclamation, as well as the recently commenced TMCLKL construction that involves intensive bored piling activities for the southern viaduct and further reclamation of 16.5 hectares for the northern landfall.
- 3.3.10. To ensure the continuous usage of NEL waters by the dolphins, every possible measure should be implemented by the contractors and relevant authorities to minimize all disturbances to the dolphins, as a future marine park around the Brothers Islands will be established in this important dolphin habitat as a compensation measure for the habitat loss resulted from the HKBCF reclamation works. Unless such declining trend can be reverted after the establishment of the Brothers Islands Marine Park, there should be a presumption against further reclamation in North Lantau waters as suggested in Hung (2013, 2014).
- 3.3.11. It should be noted that dolphin usage in NWL have also been greatly diminished progressively in the past few quarters (Table 5), and such trend should be continuously monitored, as the potential impacts of HZMB-related works on the dolphins may have been extended to the entire North Lantau

region.

3.4. *Group size*

3.4.1. Group size of Chinese White Dolphins ranged from one to eight individuals per group in North Lantau region during June – August 2014. 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 2014) and baseline monitoring period (September – November 2011)

	Average Dolphin Group Size	
	June – August 2014	September – November 2011
Overall	3.43 ± 1.95 (n = 28)	3.72 ± 3.13 (n = 66)
Northeast Lantau	4.00 ± 0.00 (n = 1)	3.18 ± 2.16 (n = 17)
Northwest Lantau	3.41 ± 1.99 (n = 27)	3.92 ± 3.40 (n = 49)

3.4.2. The average dolphin group sizes in the entire North Lantau region as well as in NWL waters during June – August 2014 were lower than the ones recorded during the three-month baseline period (Table 6). In fact, 17 of the 28 groups were composed of 1-3 individuals only, while no dolphin group was composed of more than 10 individuals.

3.4.3. Distribution of dolphins with larger group sizes (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 of 2014, distribution of all larger dolphin groups were concentrated within and around the Sha Chau and Lung Kwu Chau Marine Park (Figure 3). This distribution pattern was quite different from the baseline period, when the larger dolphin groups were distributed more evenly in NWL waters with a few more sighted in NEL waters (Figure 3).

3.4.4. Notably none of the larger dolphin groups were sighted near the HKLR03 reclamation site in the present monitoring period (Figure 3).

3.5. *Habitat use*

3.5.1. From June to August 2014, the most heavily utilized habitats by Chinese White Dolphins mainly concentrated within and around the marine park area (Figures

4a and 4b). Only one grid in NEL recorded the presence of dolphins. Moreover, all grids near HKLR03/HKBCF reclamation sites, HKLR09 or TMCLKL alignment did not record any presence of dolphins during on-effort search in the present quarterly period.

- 3.5.2. However, it should be emphasized that the amount of survey effort collected in each grid during the three-month period was fairly low (6-12 units of survey effort for most grids), and therefore the habitat use pattern derived from the three-month dataset should be treated with caution. A more complete picture of dolphin habitat use pattern will be presented 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 was dramatically different from the present impact monitoring period (Figure 5). During the baseline period, nine grids between Siu Mo To and Shum Shui Kok recorded moderately high to high dolphin densities, which was in stark contrast to the very rare occurrence of dolphins during the present impact phase period (Figure 5).
- 3.5.4. The density patterns between the baseline and impact phase monitoring periods were also different in NWL, with higher dolphin usage near Black Point, as well as between Pillar Point and airport platform during the baseline period (Figure 5).
- 3.5.5. The absence of dolphins in the identified important habitats around the Brothers Islands and Shum Shui Kok in consecutive quarters in 2013-14 is of serious concern. The future Brothers Islands Marine Park will be established in this area upon the completion of HKBCF reclamation works, as an important compensation measure for the associated habitat loss. As suggested recently in Hung (2014), such low usage of dolphins in this important habitat in the past two years was likely related to the on-going HZMB-related construction works. Continuous monitoring of such diminished use should be continued in this important dolphin habitat in the upcoming quarters.

3.6. *Mother-calf pairs*

- 3.6.1. During the three-month study period, only three unspotted juveniles (UJ) were sighted in NWL survey areas. These young calves comprised of 3.1% of all animals sighted, which was much lower than the percentage recorded during the baseline monitoring period (6.8%).
- 3.6.2. The few young calves were found near Lung Kwu Chau, Sha Chau and Shum Wat (Figure 6), which was very different from their distribution pattern during

the baseline period when young calves were sighted throughout the NWL survey area as well as a few sighted in NEL waters. None of these young calves were sighted in the vicinity of the HKBCF/HKLR03 reclamation sites and HKLR09/TMCLKL alignments during the present quarter (Figure 6).

3.7. *Activities and associations with fishing boats*

3.7.1. A total of four dolphin sightings were associated with socializing and traveling activities during the three-month study period. Notably, no feeding activity of dolphin was observed during the present quarter, which was in contrast to the relatively high percentage of feeding activities recorded during the baseline period (11.6%). On the contrary, the percentage of socializing activities during the present impact phase monitoring period (7.1%) was slightly higher than the one recorded during the baseline period (5.4%).

3.7.2. Distribution of dolphins engaged in socializing and traveling activities during the present three-month period is shown in Figure 7. The two sightings associated with socializing activities occurred near Sha Chau, while the two sightings associated with traveling activities were found adjacent to Lung Kwu Chau (Figure 7). Distribution of dolphin sightings associated with these activities during the impact phase was drastically different from the distribution pattern of these activities during the baseline period (Figure 7).

3.7.3. During the three-month period, none of the 28 dolphin groups was found to be associated with an operating fishing vessels in North Lantau waters. The rare events of fishing boat association in the present and previous quarters were consistently found, and were likely related to the recent trawl ban being implemented in December 2012 in Hong Kong waters.

3.8. *Summary of photo-identification works*

3.8.1. From June to August 2014, over 2,000 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the photo-identification work.

3.8.2. In total, 32 individuals sighted 44 times altogether were identified (see summary table in Appendix III and photographs of identified individuals in Appendix IV). All except four of these re-sightings were made in NWL. Four individuals (NL123, NL139, NL261 and NL285) were sighted once during the lone sighting made in NEL in the present quarter.

3.8.3. Almost all identified individuals were sighted only once or twice during the three-month period, with the exception of one individual (NL272) being

sighted thrice.

3.8.4. Notably, 11 of these 32 individuals were also sighted in West Lantau waters during the HKLR09 monitoring surveys during the same three-month period, showing their extensive movement between North and West Lantau regions. In particular, two individuals (NL139 and NL261) were sighted in both NEL and WL during the same quarter.

3.8.5. Six well-recognized females (NL93, NL104, NL123, NL145, NL202 and WL124) were accompanied with their calves during their re-sightings. Most of these mothers were frequently sighted with their calves throughout the HKLR03 impact phase monitoring period since October 2012.

3.9. *Individual range use*

3.9.1. Ranging patterns of the 32 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in Appendix V.

3.9.2. With the exception of a few individuals, most identified dolphins sighted in this quarter were utilizing their range use in NWL (and some also in WL), but have avoided the NEL waters where many of them have utilized as their core areas in the past (Appendix 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 during the baseline period.

3.9.3. For many individuals that have previously utilized the Brothers Islands as their major core area of activities, they have apparently shifted their range use away from this important habitat (e.g. NL93, NL123, NL136, NL261; Appendix V). Such shifts of range use and core area use were also documented by Hung (2014), as well as in the past monitoring quarters in 2013 and 2014 under the present study.

3.9.4. The diminished or abandoned usage of NEL waters by a large number of individual dolphins coincided well with the noticeable decline in dolphin occurrence in NEL as discussed in Sections 3.2 and 3.3. This is of serious concern, as the Brothers Islands in NEL was once identified an important habitat for many year-round residents that focused their core area use there (Hung 2008, 2013). Therefore, the ranging pattern of individual dolphins should be continuously monitored around Lantau waters, and measures should

be taken to ensure that dolphins will continue to move between NWL and NEL without any hindrance as a result of the HZMB-related construction works.

- 3.9.5. On the other hand, there were a number of individuals sighted in NWL and NEL waters consistently in the past, but have extended their range use to WL waters in the present quarter (e.g. CH34, NL46, NL136, NL139, NL261; Appendix V). It should be further monitored to examine whether there has been any consistent shifts of home ranges of individuals from North Lantau to West Lantau, which could also possibly be related to the HZMB-related construction works.

4. Conclusion

- 4.1. During this 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 in 2012-14, and many individuals have shifted away from the important habitat around the Brothers Islands.
- 4.3. It is critical to monitor the dolphin usage in North Lantau region in the upcoming quarters, to determine whether the dolphins are continuously affected by the various construction activities in relation to the HZMB-related works, and whether suitable mitigation measure can be applied to revert the situation.

5. References

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Hung, S. K. 2008. Habitat use of Indo-Pacific humpback dolphins (*Sousa chinensis*) in Hong Kong. Ph.D. dissertation. University of Hong Kong, Hong Kong, 266 p.

Hung, S. K. 2013. Monitoring of marine mammals in Hong Kong waters – data

collection: final report (2012-13). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department of Hong Kong SAR Government, 168 pp.

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

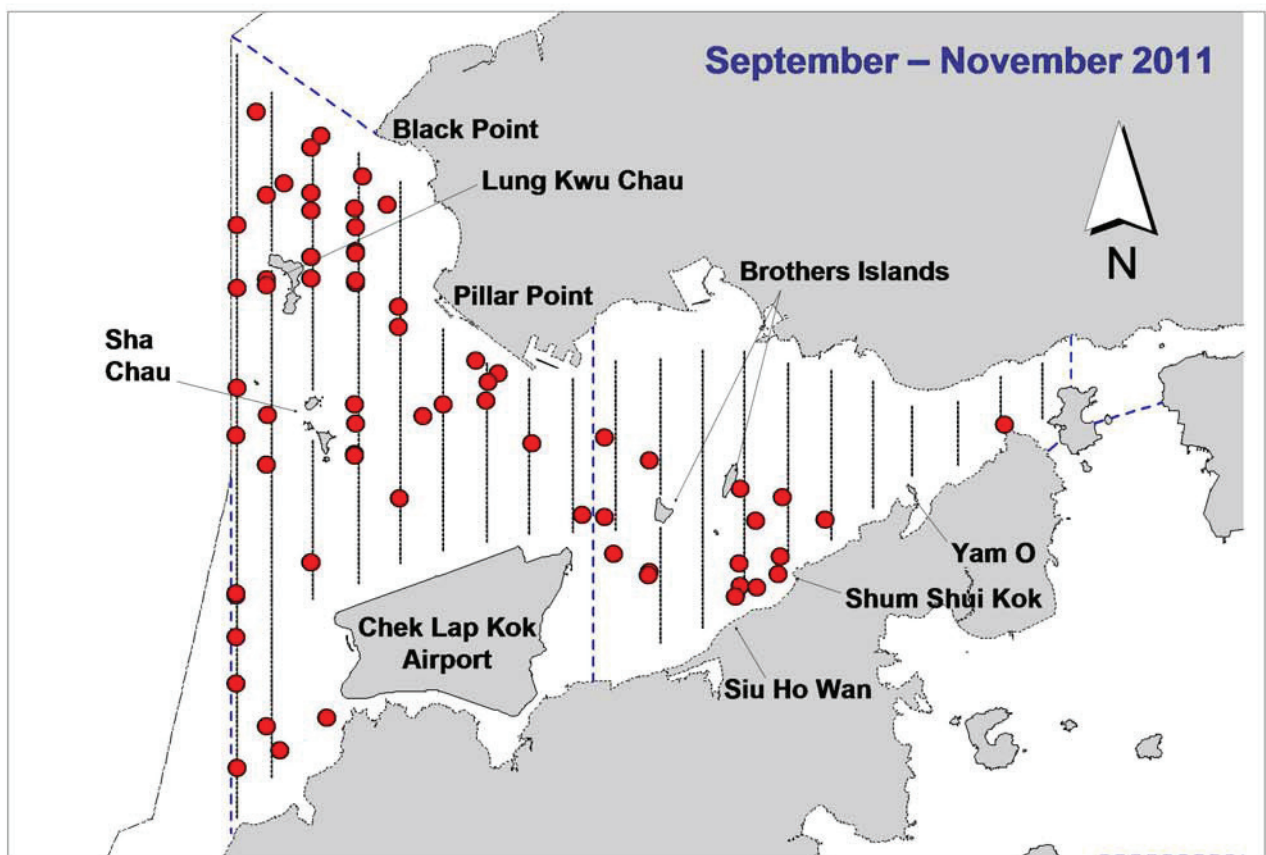
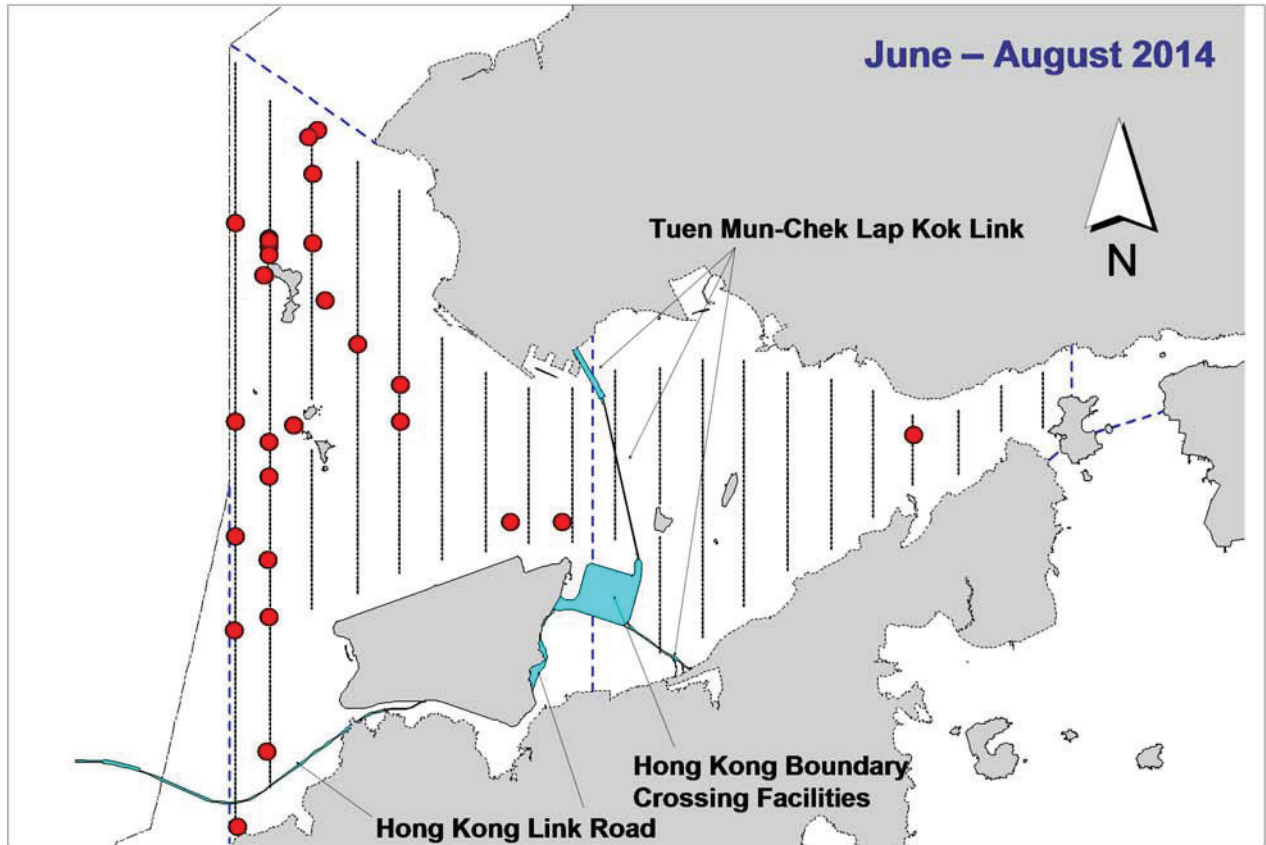


Figure 1. Distribution of Chinese white dolphin sighting in Northwest and Northeast Lantau during HKLR03 impact phase (top) and baseline monitoring surveys (bottom)

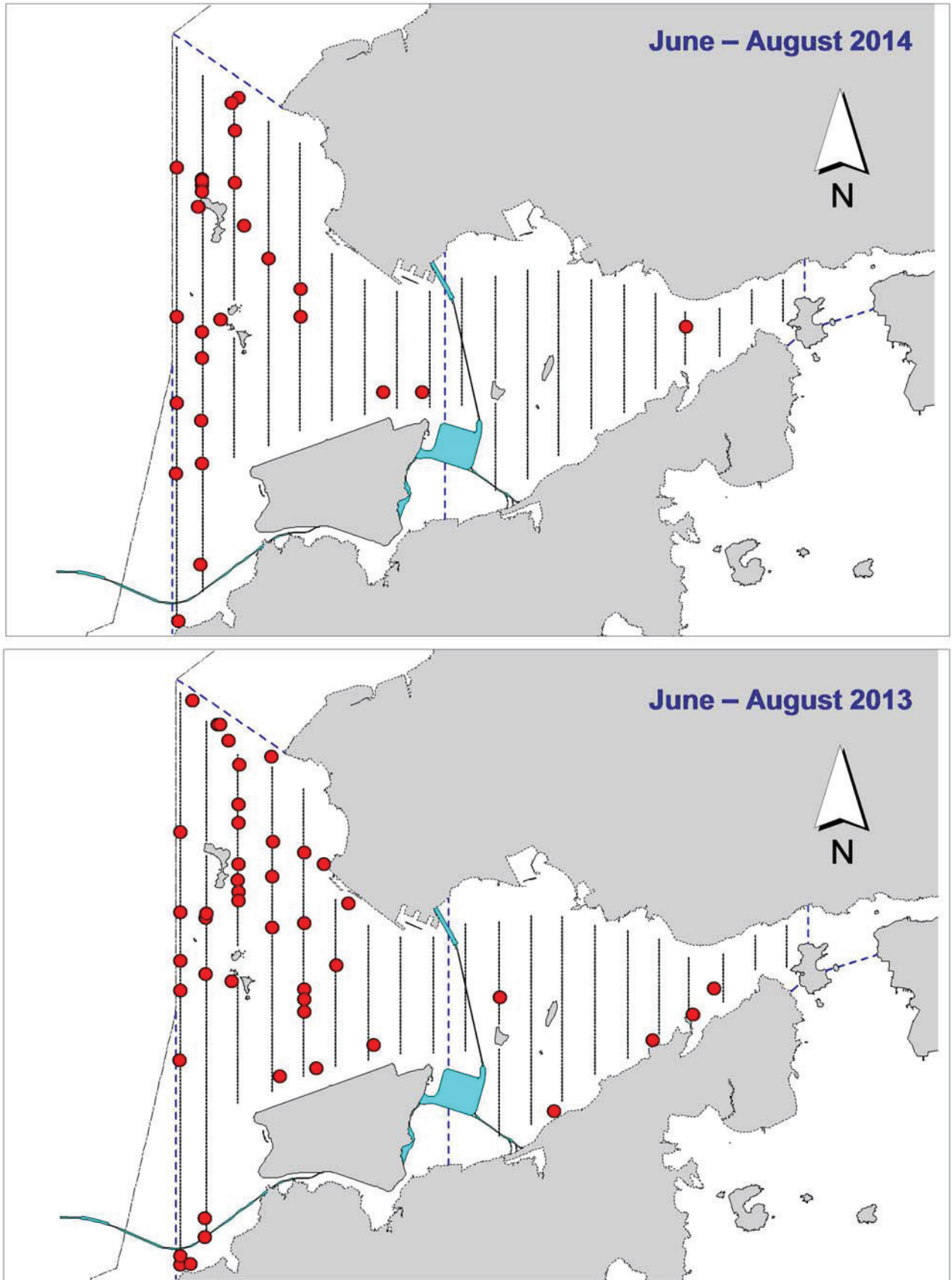


Figure 2. Distribution of Chinese white dolphin sighting in Northwest and Northeast Lantau during the same summer quarters of HKLR03 impact phase in 2014 (top) and 2013 (bottom)

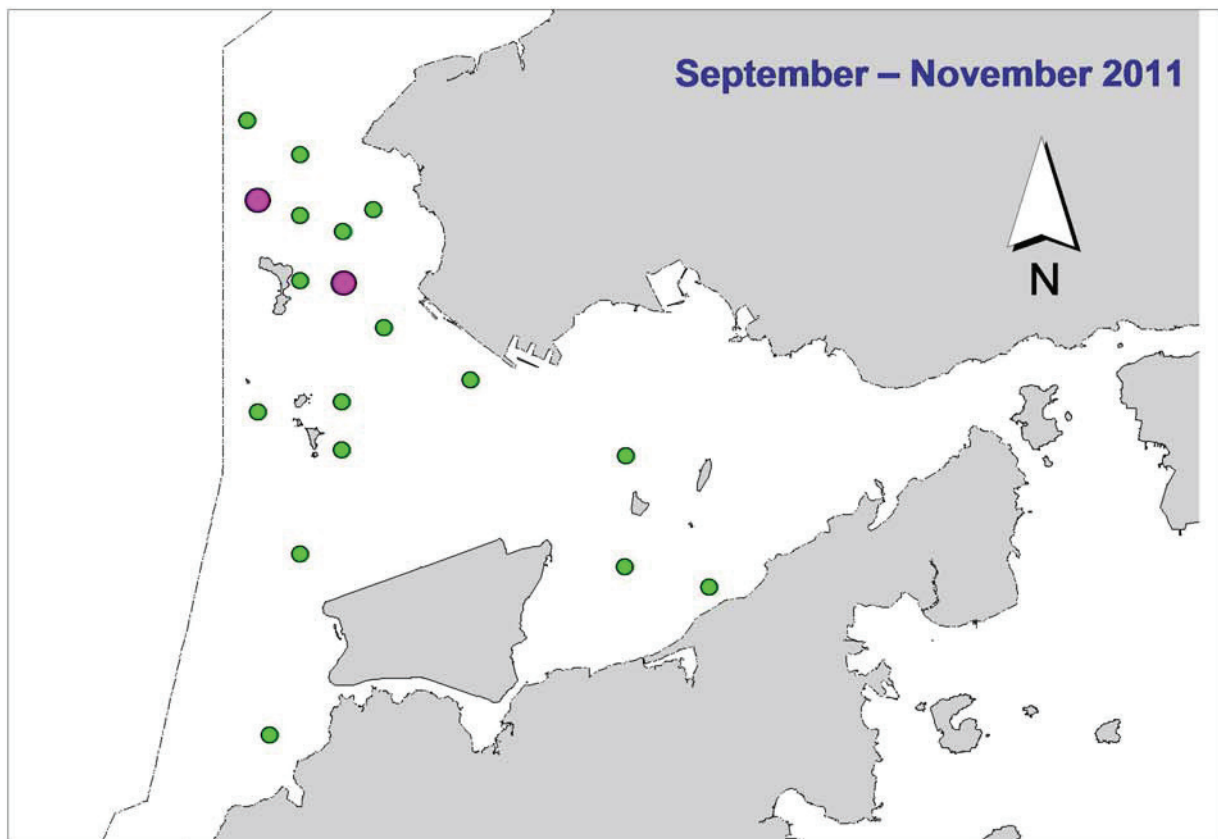
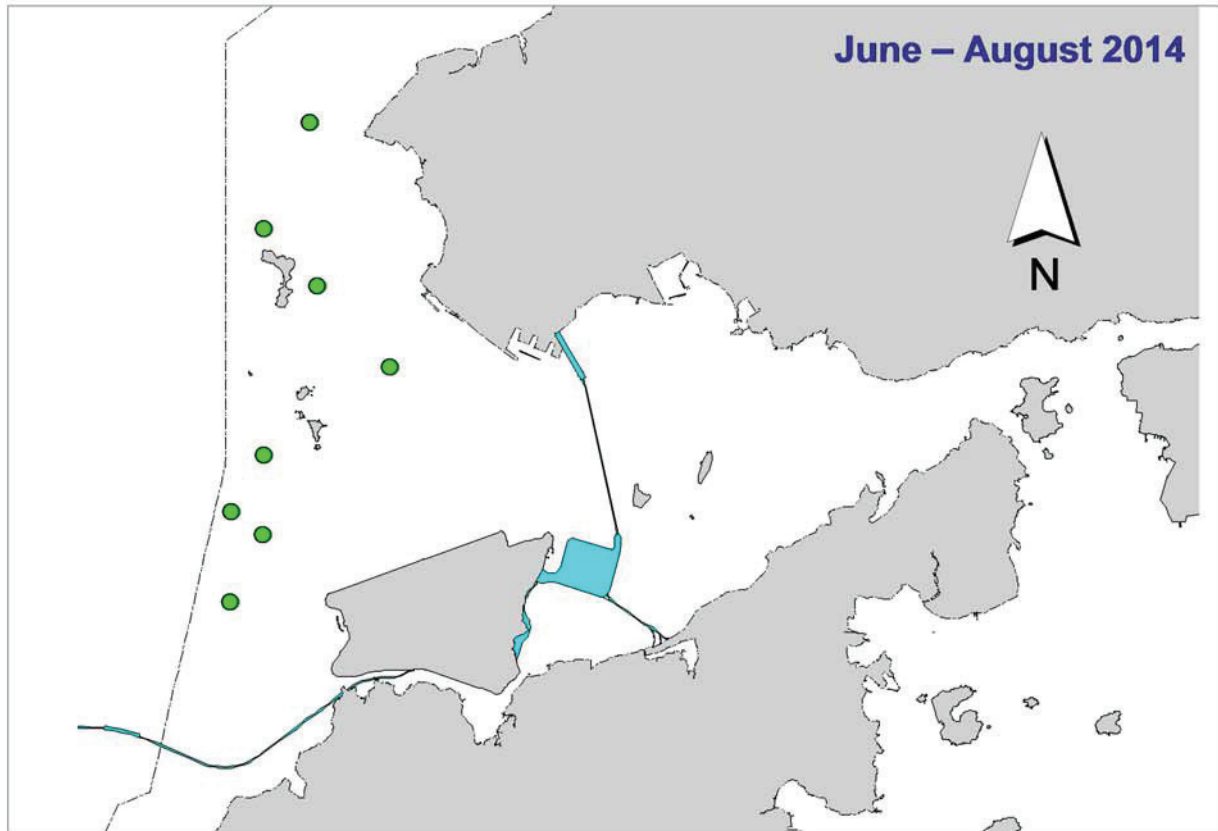


Figure 3. Distribution of Chinese white dolphins with larger group sizes during HKLR03 impact phase (top) and baseline monitoring surveys (bottom) (green dots: group sizes of 5 or more; purple dots: group sizes of 10 or more)

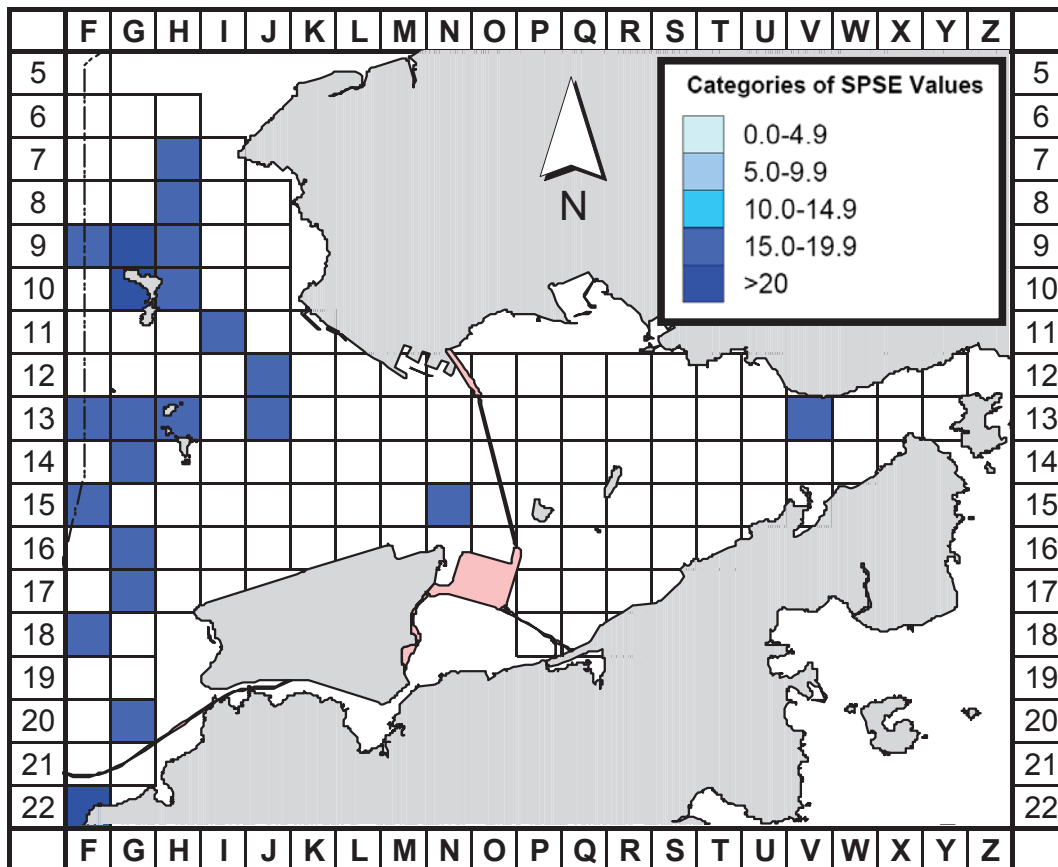


Figure 4a. Sighting density of Chinese white dolphins with corrected survey effort per km² in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period (Jun-Aug 14) (SPSE = no. of on-effort sightings per 100 units of survey effort)

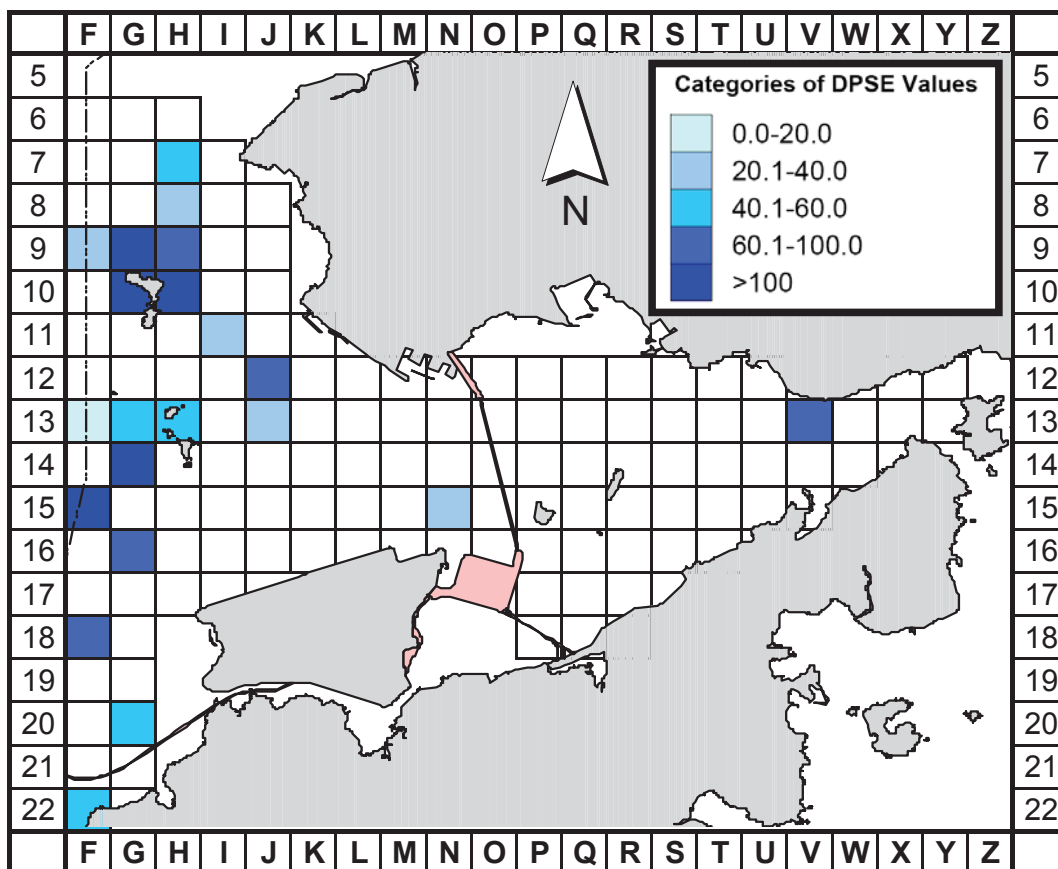


Figure 4b. Density of Chinese white dolphins with corrected survey effort per km² in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period (Jun-Aug 14) (DPSE = no. of dolphins per 100 units of survey effort)

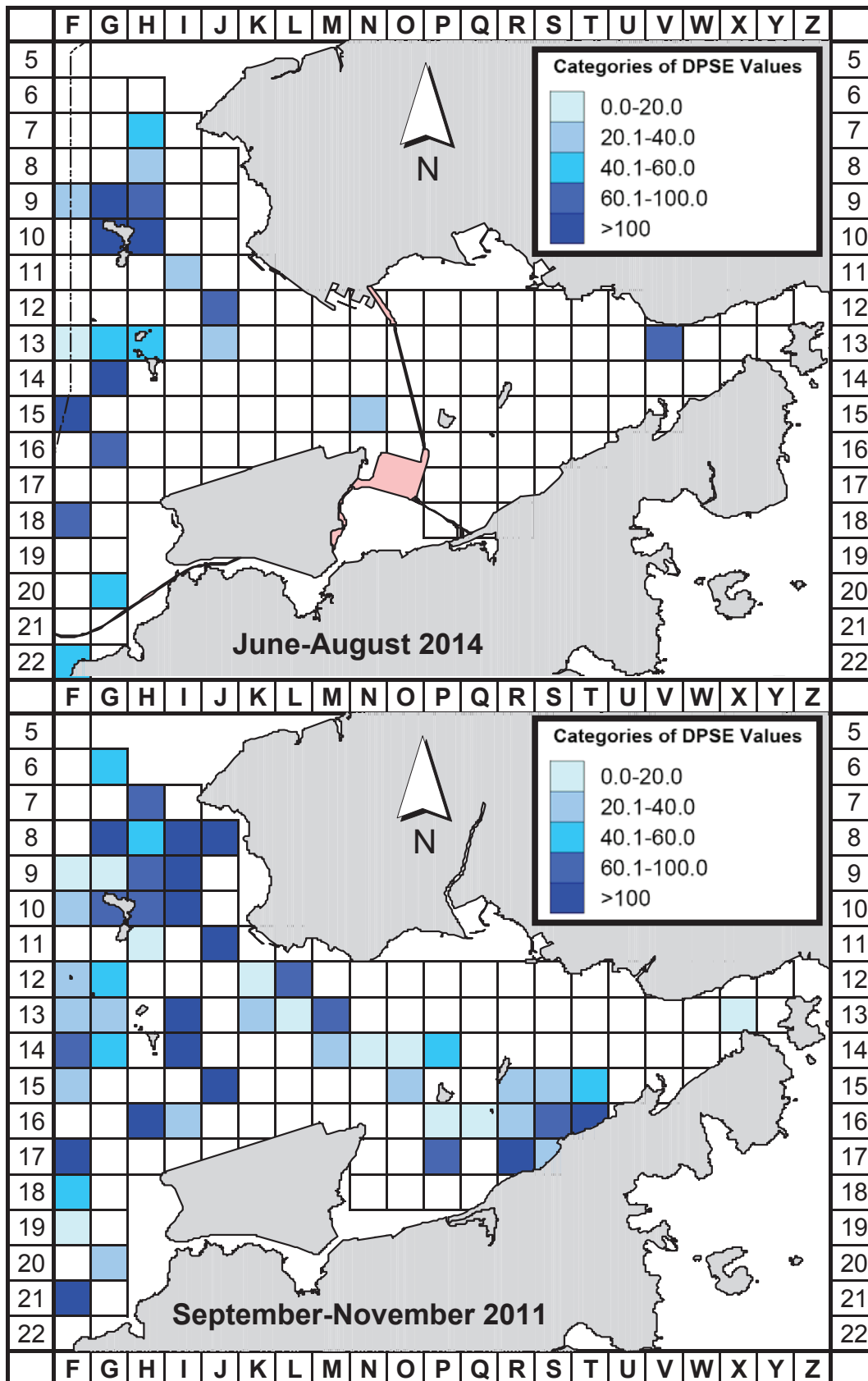


Figure 5. Comparison of density of Chinese white dolphins with corrected survey effort per km² in Northwest and Northeast Lantau survey area between the impact monitoring period (June-August 2014) and baseline monitoring period (September-November 2011) (DPSE = no. of dolphins per 100 units of survey effort)

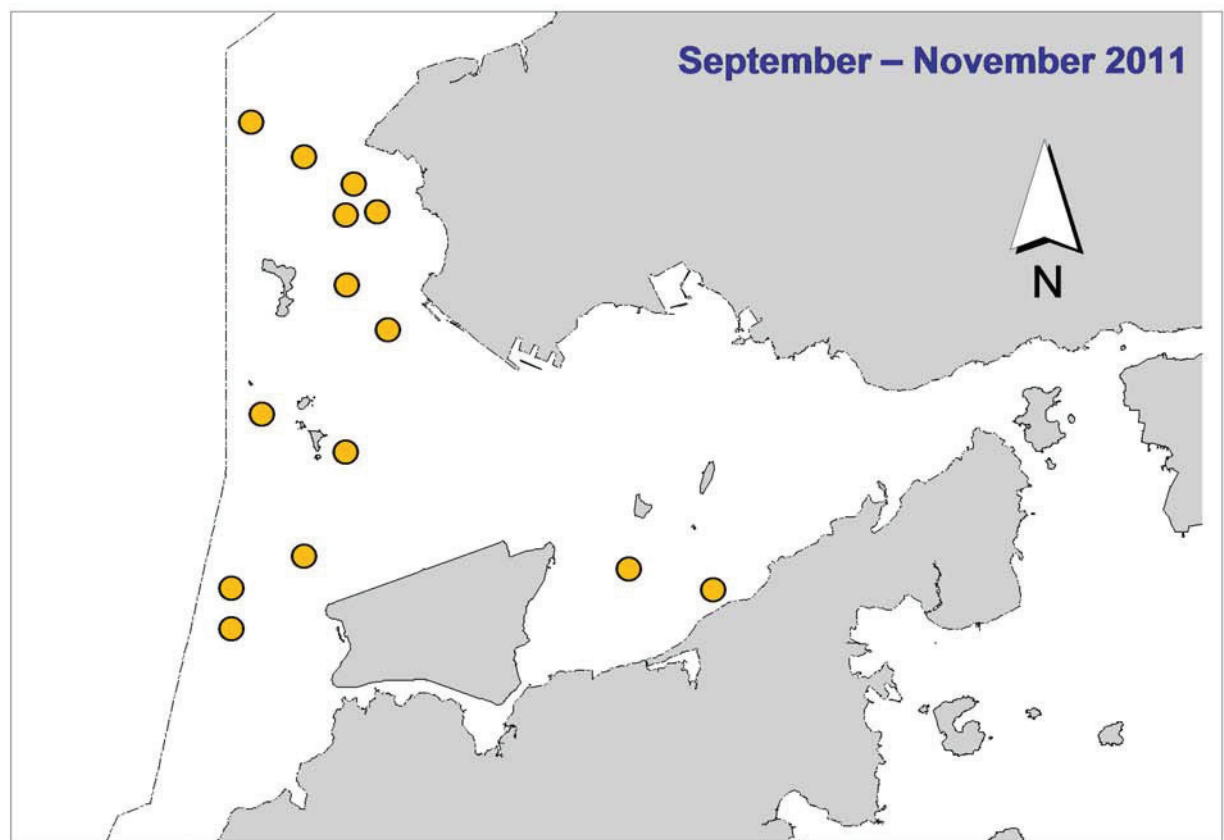
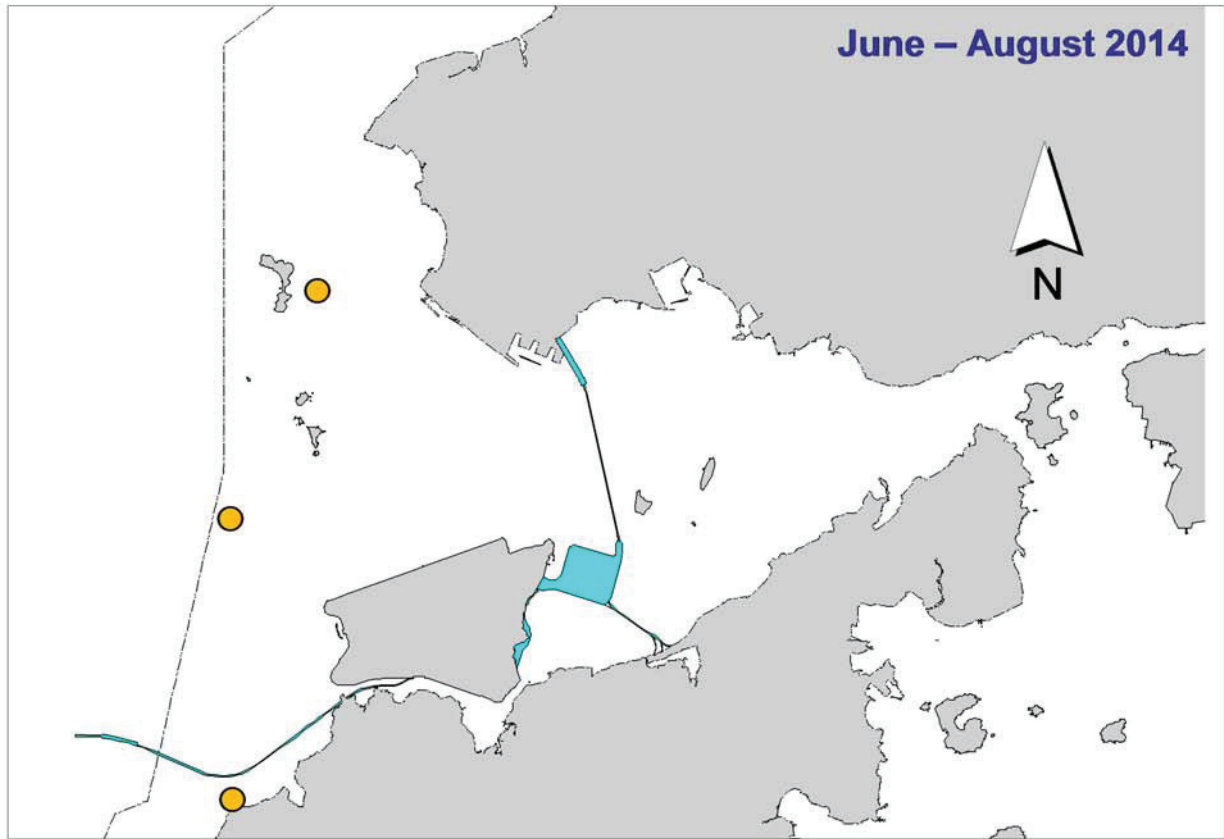


Figure 6. Distribution of young calves of Chinese white dolphins during HKLR03 impact phase (top) and baseline monitoring surveys (bottom)

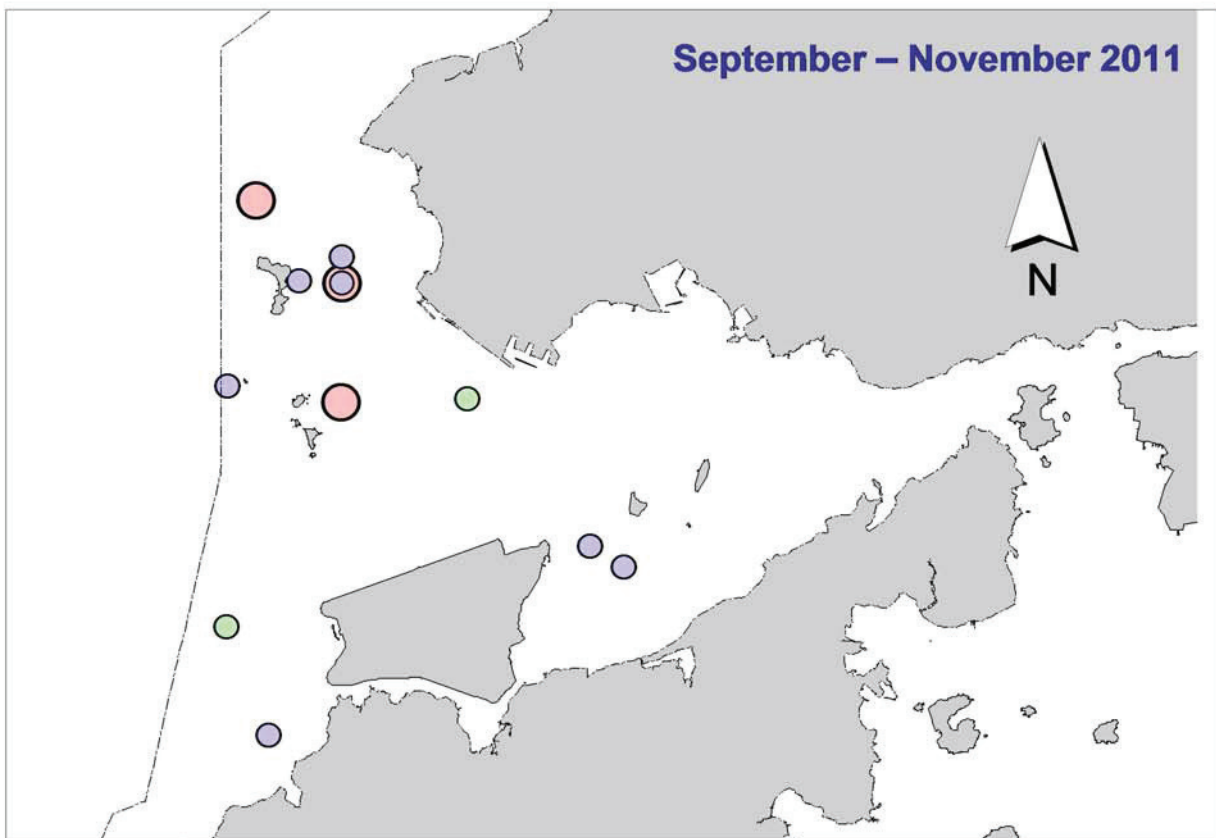
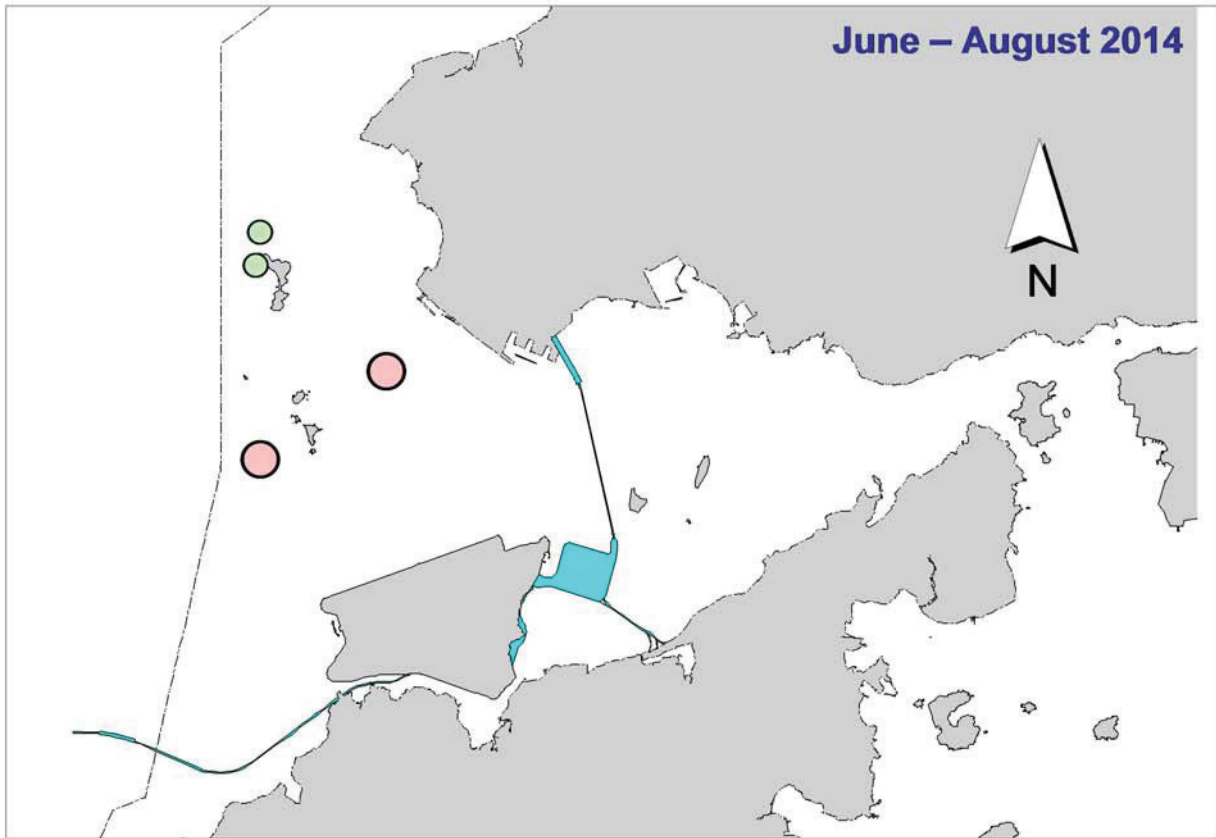


Figure 7. Distribution of Chinese white dolphins engaged in feeding (purple dots), socializing (pink dots) and traveling (green dots) activities during HKLR03 impact phase (top) and baseline monitoring surveys (bottom)

Annex I. HKLR03 Survey Effort Database (June-August 2014)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
3-Jun-14	NE LANTAU	2	14.31	SUMMER	STANDARD31516	HKLR	P
3-Jun-14	NE LANTAU	3	2.60	SUMMER	STANDARD31516	HKLR	P
3-Jun-14	NE LANTAU	2	10.89	SUMMER	STANDARD31516	HKLR	S
3-Jun-14	NW LANTAU	2	6.52	SUMMER	STANDARD31516	HKLR	P
3-Jun-14	NW LANTAU	3	23.00	SUMMER	STANDARD31516	HKLR	P
3-Jun-14	NW LANTAU	4	10.70	SUMMER	STANDARD31516	HKLR	P
3-Jun-14	NW LANTAU	2	3.78	SUMMER	STANDARD31516	HKLR	S
3-Jun-14	NW LANTAU	3	9.70	SUMMER	STANDARD31516	HKLR	S
5-Jun-14	NE LANTAU	1	5.65	SUMMER	STANDARD31516	HKLR	P
5-Jun-14	NE LANTAU	2	10.52	SUMMER	STANDARD31516	HKLR	P
5-Jun-14	NE LANTAU	3	4.20	SUMMER	STANDARD31516	HKLR	P
5-Jun-14	NE LANTAU	1	2.20	SUMMER	STANDARD31516	HKLR	S
5-Jun-14	NE LANTAU	2	6.23	SUMMER	STANDARD31516	HKLR	S
5-Jun-14	NE LANTAU	3	2.10	SUMMER	STANDARD31516	HKLR	S
5-Jun-14	NW LANTAU	2	13.90	SUMMER	STANDARD31516	HKLR	P
5-Jun-14	NW LANTAU	3	16.56	SUMMER	STANDARD31516	HKLR	P
5-Jun-14	NW LANTAU	2	3.70	SUMMER	STANDARD31516	HKLR	S
5-Jun-14	NW LANTAU	3	3.61	SUMMER	STANDARD31516	HKLR	S
10-Jun-14	NW LANTAU	2	6.21	SUMMER	STANDARD31516	HKLR	P
10-Jun-14	NW LANTAU	3	31.70	SUMMER	STANDARD31516	HKLR	P
10-Jun-14	NW LANTAU	4	2.50	SUMMER	STANDARD31516	HKLR	P
10-Jun-14	NW LANTAU	2	9.29	SUMMER	STANDARD31516	HKLR	S
10-Jun-14	NW LANTAU	3	4.10	SUMMER	STANDARD31516	HKLR	S
10-Jun-14	NE LANTAU	2	12.34	SUMMER	STANDARD31516	HKLR	P
10-Jun-14	NE LANTAU	3	3.50	SUMMER	STANDARD31516	HKLR	P
10-Jun-14	NE LANTAU	2	10.53	SUMMER	STANDARD31516	HKLR	S
10-Jun-14	NE LANTAU	3	0.73	SUMMER	STANDARD31516	HKLR	S
16-Jun-14	NW LANTAU	2	3.11	SUMMER	STANDARD31516	HKLR	P
16-Jun-14	NW LANTAU	3	13.98	SUMMER	STANDARD31516	HKLR	P
16-Jun-14	NW LANTAU	4	14.31	SUMMER	STANDARD31516	HKLR	P
16-Jun-14	NW LANTAU	3	4.28	SUMMER	STANDARD31516	HKLR	S
16-Jun-14	NW LANTAU	4	3.43	SUMMER	STANDARD31516	HKLR	S
16-Jun-14	NE LANTAU	1	1.40	SUMMER	STANDARD31516	HKLR	P
16-Jun-14	NE LANTAU	2	18.35	SUMMER	STANDARD31516	HKLR	P
16-Jun-14	NE LANTAU	1	0.30	SUMMER	STANDARD31516	HKLR	S
16-Jun-14	NE LANTAU	2	10.55	SUMMER	STANDARD31516	HKLR	S
3-Jul-14	NE LANTAU	2	1.89	SUMMER	STANDARD31516	HKLR	P
3-Jul-14	NE LANTAU	2	2.14	SUMMER	STANDARD31516	HKLR	S
3-Jul-14	NW LANTAU	2	7.87	SUMMER	STANDARD31516	HKLR	P
3-Jul-14	NW LANTAU	3	23.09	SUMMER	STANDARD31516	HKLR	P
3-Jul-14	NW LANTAU	4	5.90	SUMMER	STANDARD31516	HKLR	P
3-Jul-14	NW LANTAU	2	2.90	SUMMER	STANDARD31516	HKLR	S
3-Jul-14	NW LANTAU	3	7.84	SUMMER	STANDARD31516	HKLR	S
3-Jul-14	NW LANTAU	4	0.60	SUMMER	STANDARD31516	HKLR	S
9-Jul-14	NW LANTAU	1	1.80	SUMMER	STANDARD31516	HKLR	P
9-Jul-14	NW LANTAU	2	9.28	SUMMER	STANDARD31516	HKLR	P
9-Jul-14	NW LANTAU	2	3.22	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NW LANTAU	1	8.81	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NW LANTAU	2	12.85	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NW LANTAU	3	2.29	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NW LANTAU	1	0.73	SUMMER	STANDARD31516	HKLR	S

Annex I. (cont'd)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
10-Jul-14	NW LANTAU	2	6.69	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NE LANTAU	1	14.94	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NE LANTAU	2	16.33	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NE LANTAU	3	6.20	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NE LANTAU	1	3.93	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NE LANTAU	2	6.90	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NE LANTAU	3	0.80	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NW LANTAU	2	19.59	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NW LANTAU	3	11.09	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NW LANTAU	2	2.05	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NW LANTAU	3	3.80	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NW LANTAU	4	0.93	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NE LANTAU	1	2.00	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NE LANTAU	2	14.57	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NE LANTAU	3	2.40	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NE LANTAU	4	1.20	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NE LANTAU	2	10.51	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NE LANTAU	3	0.30	SUMMER	STANDARD31516	HKLR	S
21-Jul-14	NW LANTAU	1	5.9	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NW LANTAU	2	31.1	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NW LANTAU	3	3.7	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NW LANTAU	2	7.9	SUMMER	STANDARD31516	HKLR	S
21-Jul-14	NW LANTAU	3	4.9	SUMMER	STANDARD31516	HKLR	S
21-Jul-14	NE LANTAU	1	2.8	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NE LANTAU	2	13.7	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NE LANTAU	2	10.7	SUMMER	STANDARD31516	HKLR	S
5-Aug-14	NE LANTAU	1	8.40	SUMMER	STANDARD31516	HKLR	P
5-Aug-14	NE LANTAU	2	5.80	SUMMER	STANDARD31516	HKLR	P
5-Aug-14	NE LANTAU	3	2.10	SUMMER	STANDARD31516	HKLR	P
5-Aug-14	NE LANTAU	1	6.20	SUMMER	STANDARD31516	HKLR	S
5-Aug-14	NE LANTAU	2	4.80	SUMMER	STANDARD31516	HKLR	S
5-Aug-14	NW LANTAU	1	8.00	SUMMER	STANDARD31516	HKLR	P
5-Aug-14	NW LANTAU	2	30.30	SUMMER	STANDARD31516	HKLR	P
5-Aug-14	NW LANTAU	3	1.70	SUMMER	STANDARD31516	HKLR	P
5-Aug-14	NW LANTAU	1	1.50	SUMMER	STANDARD31516	HKLR	S
5-Aug-14	NW LANTAU	2	9.90	SUMMER	STANDARD31516	HKLR	S
6-Aug-14	NW LANTAU	1	4.30	SUMMER	STANDARD31516	HKLR	P
6-Aug-14	NW LANTAU	2	21.55	SUMMER	STANDARD31516	HKLR	P
6-Aug-14	NW LANTAU	3	5.21	SUMMER	STANDARD31516	HKLR	P
6-Aug-14	NW LANTAU	1	2.30	SUMMER	STANDARD31516	HKLR	S
6-Aug-14	NW LANTAU	2	4.05	SUMMER	STANDARD31516	HKLR	S
6-Aug-14	NW LANTAU	3	0.30	SUMMER	STANDARD31516	HKLR	S
6-Aug-14	NE LANTAU	1	17.62	SUMMER	STANDARD31516	HKLR	P
6-Aug-14	NE LANTAU	2	2.26	SUMMER	STANDARD31516	HKLR	P
6-Aug-14	NE LANTAU	1	10.52	SUMMER	STANDARD31516	HKLR	S
15-Aug-14	NW LANTAU	2	7.71	SUMMER	STANDARD31516	HKLR	P
15-Aug-14	NW LANTAU	3	29.93	SUMMER	STANDARD31516	HKLR	P
15-Aug-14	NW LANTAU	3	9.92	SUMMER	STANDARD31516	HKLR	S
15-Aug-14	NW LANTAU	4	2.64	SUMMER	STANDARD31516	HKLR	S
15-Aug-14	NE LANTAU	2	17.22	SUMMER	STANDARD31516	HKLR	P
15-Aug-14	NE LANTAU	3	0.58	SUMMER	STANDARD31516	HKLR	P
15-Aug-14	NE LANTAU	2	8.54	SUMMER	STANDARD31516	HKLR	S
15-Aug-14	NE LANTAU	3	1.26	SUMMER	STANDARD31516	HKLR	S

Annex I. (cont'd)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
19-Aug-14	NE LANTAU	1	1.46	SUMMER	STANDARD31516	HKLR	P
19-Aug-14	NE LANTAU	2	11.20	SUMMER	STANDARD31516	HKLR	P
19-Aug-14	NE LANTAU	3	5.91	SUMMER	STANDARD31516	HKLR	P
19-Aug-14	NE LANTAU	4	0.80	SUMMER	STANDARD31516	HKLR	P
19-Aug-14	NE LANTAU	2	4.35	SUMMER	STANDARD31516	HKLR	S
19-Aug-14	NE LANTAU	3	6.48	SUMMER	STANDARD31516	HKLR	S
19-Aug-14	NW LANTAU	2	1.16	SUMMER	STANDARD31516	HKLR	P
19-Aug-14	NW LANTAU	3	23.08	SUMMER	STANDARD31516	HKLR	P
19-Aug-14	NW LANTAU	4	3.24	SUMMER	STANDARD31516	HKLR	P
19-Aug-14	NW LANTAU	5	3.69	SUMMER	STANDARD31516	HKLR	P
19-Aug-14	NW LANTAU	3	4.32	SUMMER	STANDARD31516	HKLR	S
19-Aug-14	NW LANTAU	4	7.12	SUMMER	STANDARD31516	HKLR	S

Annex II. HKLR03 Chinese White Dolphin Sighting Database (June-August 2014)

(Abbreviations: 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
5-Jun-14	1	1400	3	NW LANTAU	3	184	ON	HKLR	827350	805448	SUMMER	NONE	P
5-Jun-14	2	1413	3	NW LANTAU	3	20	ON	HKLR	826719	805344	SUMMER	NONE	S
16-Jun-14	1	1408	1	NW LANTAU	3	ND	OFF	HKLR	827538	805459	SUMMER	NONE	N/A
3-Jul-14	1	958	4	NE LANTAU	2	317	ON	HKLR	823230	820459	SUMMER	NONE	P
3-Jul-14	2	1302	4	NW LANTAU	3	ND	OFF	HKLR	821327	811071	SUMMER	NONE	N/A
3-Jul-14	3	1642	2	NW LANTAU	3	161	ON	HKLR	814628	804722	SUMMER	NONE	P
10-Jul-14	1	1110	5	NW LANTAU	2	588	ON	HKLR	827483	805459	SUMMER	NONE	P
10-Jul-14	2	1150	5	NW LANTAU	2	0	ON	HKLR	829928	806565	SUMMER	NONE	S
14-Jul-14	1	1022	3	NW LANTAU	2	572	ON	HKLR	816276	805395	SUMMER	NONE	P
14-Jul-14	2	1036	1	NW LANTAU	2	866	ON	HKLR	819222	805442	SUMMER	NONE	P
14-Jul-14	3	1044	5	NW LANTAU	2	118	ON	HKLR	820484	805434	SUMMER	NONE	P
14-Jul-14	4	1105	7	NW LANTAU	2	471	ON	HKLR	822311	805448	SUMMER	NONE	P
14-Jul-14	5	1144	2	NW LANTAU	2	819	ON	HKLR	827173	805448	SUMMER	NONE	P
21-Jul-14	1	1113	1	NW LANTAU	2	694	ON	HKLR	823509	804668	SUMMER	NONE	P
21-Jul-14	2	1436	2	NW LANTAU	2	325	ON	HKLR	821325	812267	SUMMER	NONE	S
5-Aug-14	1	1413	8	NW LANTAU	2	428	ON	HKLR	826185	806764	SUMMER	NONE	P
5-Aug-14	2	1435	4	NW LANTAU	2	0	ON	HKLR	827426	806458	SUMMER	NONE	P
5-Aug-14	3	1444	2	NW LANTAU	2	990	ON	HKLR	828943	806461	SUMMER	NONE	P
5-Aug-14	4	1515	2	NW LANTAU	2	452	ON	HKLR	827872	804667	SUMMER	NONE	P
6-Aug-14	1	1110	3	NW LANTAU	3	10	ON	HKLR	826730	805323	SUMMER	NONE	S
6-Aug-14	2	1151	1	NW LANTAU	2	17	ON	HKLR	829773	806359	SUMMER	NONE	S
15-Aug-14	1	1029	5	NW LANTAU	3	393	ON	HKLR	818936	804648	SUMMER	NONE	P
15-Aug-14	2	1041	7	NW LANTAU	3	15	ON	HKLR	821006	804652	SUMMER	NONE	P
15-Aug-14	3	1218	3	NW LANTAU	3	0	ON	HKLR	823429	806027	SUMMER	NONE	S
15-Aug-14	4	1305	2	NW LANTAU	2	749	ON	HKLR	823524	808510	SUMMER	NONE	P
15-Aug-14	5	1310	6	NW LANTAU	3	83	ON	HKLR	824321	808501	SUMMER	NONE	P
19-Aug-14	1	1338	2	NW LANTAU	3	105	ON	HKLR	825220	807514	SUMMER	NONE	P
19-Aug-14	2	1536	3	NW LANTAU	2	113	ON	HKLR	823076	805450	SUMMER	NONE	P

Annex III. Individual dolphins identified during HKLR03 monitoring surveys in June-August 2014

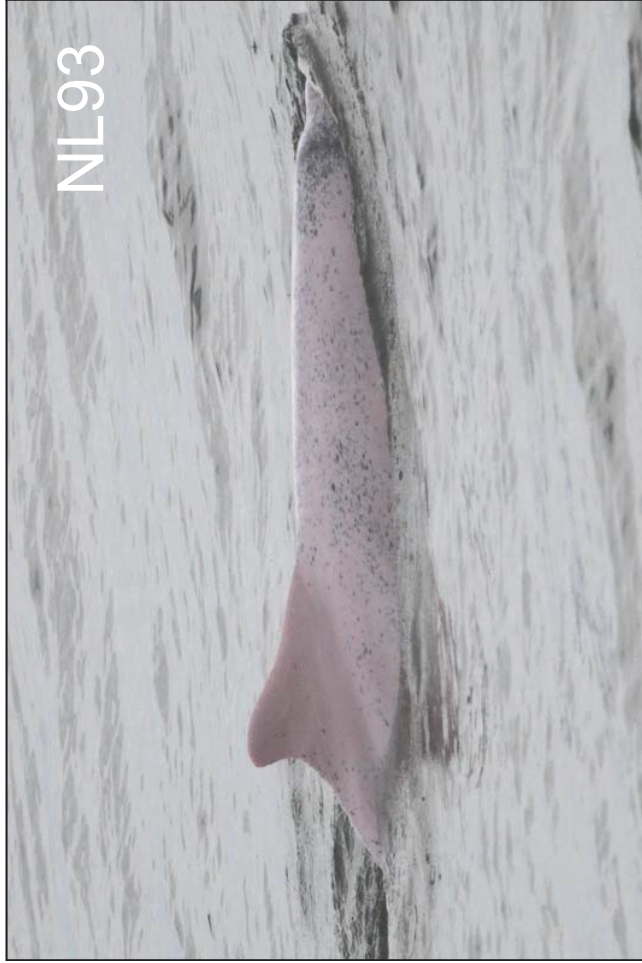
ID#	DATE	STG#	AREA
CH34	10/07/14	1	NW LANTAU
NL46	05/08/14	2	NW LANTAU
NL48	05/08/14	1	NW LANTAU
	19/08/14	1	NW LANTAU
NL80	14/07/14	4	NW LANTAU
NL93	10/07/14	1	NW LANTAU
	05/08/14	1	NW LANTAU
NL104	05/08/14	1	NW LANTAU
NL123	03/07/14	1	NE LANTAU
	15/08/14	5	NW LANTAU
NL136	05/06/14	2	NW LANTAU
NL139	03/07/14	1	NE LANTAU
NL145	14/07/14	3	NW LANTAU
NL182	10/07/14	2	NW LANTAU
NL202	19/08/14	1	NW LANTAU
	19/08/14	2	NW LANTAU
NL210	10/07/14	2	NW LANTAU
NL242	05/08/14	1	NW LANTAU
NL247	14/07/14	4	NW LANTAU
	15/08/14	2	NW LANTAU
NL259	05/08/14	1	NW LANTAU
NL261	03/07/14	1	NE LANTAU
NL272	05/06/14	1	NW LANTAU
	05/06/14	2	NW LANTAU
	15/08/14	5	NW LANTAU
NL278	15/08/14	2	NW LANTAU
NL284	15/08/14	5	NW LANTAU
NL285	03/07/14	1	NE LANTAU
	15/08/14	5	NW LANTAU
NL286	15/08/14	5	NW LANTAU
	19/08/14	2	NW LANTAU

ID#	DATE	STG#	AREA
NL287	14/07/14	3	NW LANTAU
	15/08/14	5	NW LANTAU
NL300	14/07/14	4	NW LANTAU
NL301	14/07/14	4	NW LANTAU
NL307	15/08/14	5	NW LANTAU
WL28	15/08/14	2	NW LANTAU
WL30	10/07/14	1	NW LANTAU
WL46	15/08/14	2	NW LANTAU
WL124	03/07/14	3	NW LANTAU
	15/08/14	2	NW LANTAU
WL188	06/08/14	1	NW LANTAU
	15/08/14	2	NW LANTAU
WL214	15/08/14	2	NW LANTAU

Annex IV. Thirty-two individual dolphins that were identified during June – August 2014 under HKLR03 impact phase monitoring surveys



Annex IV. (cont'd)



NL93



NL104

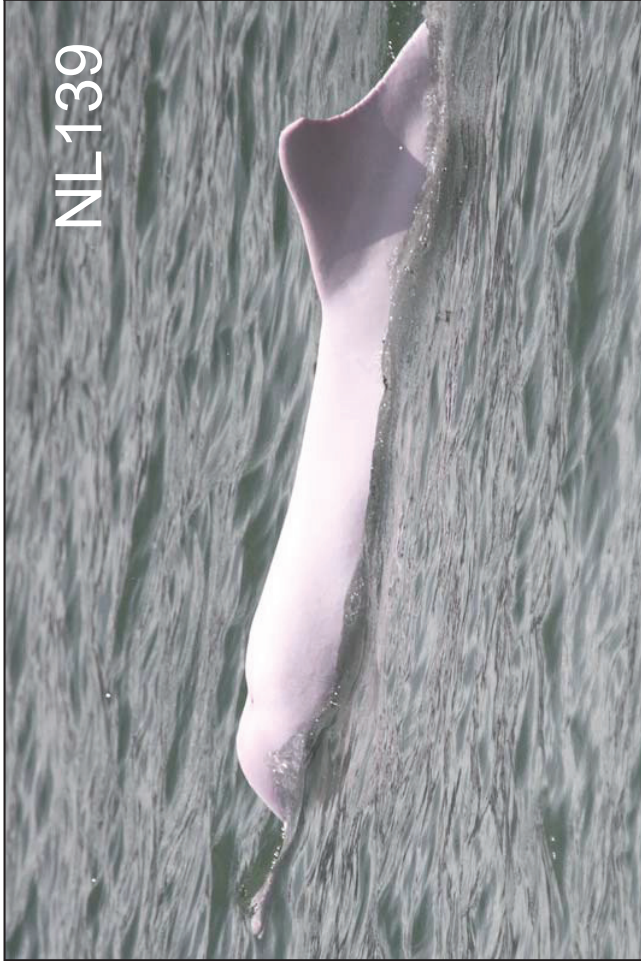


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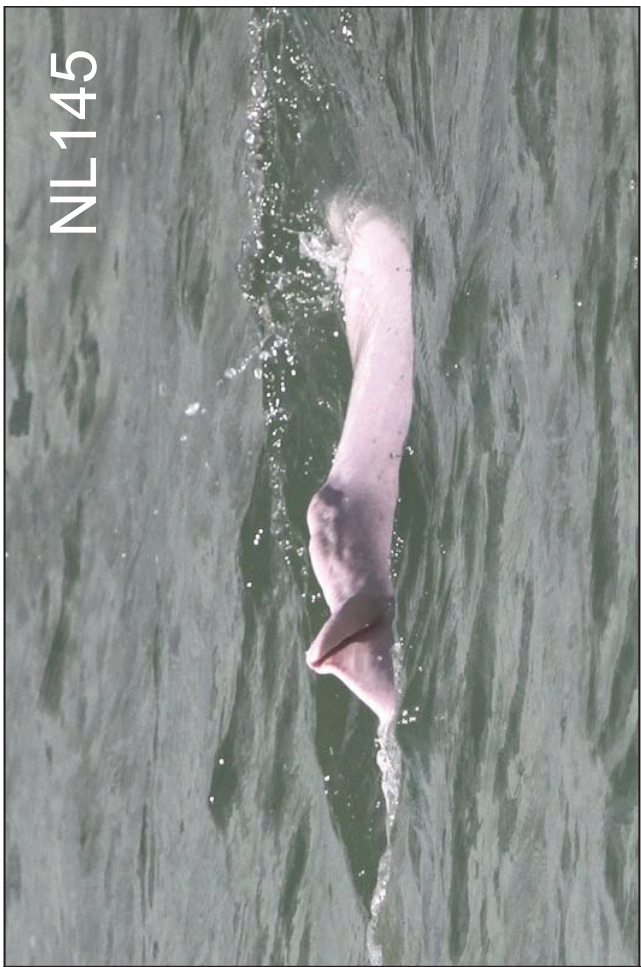


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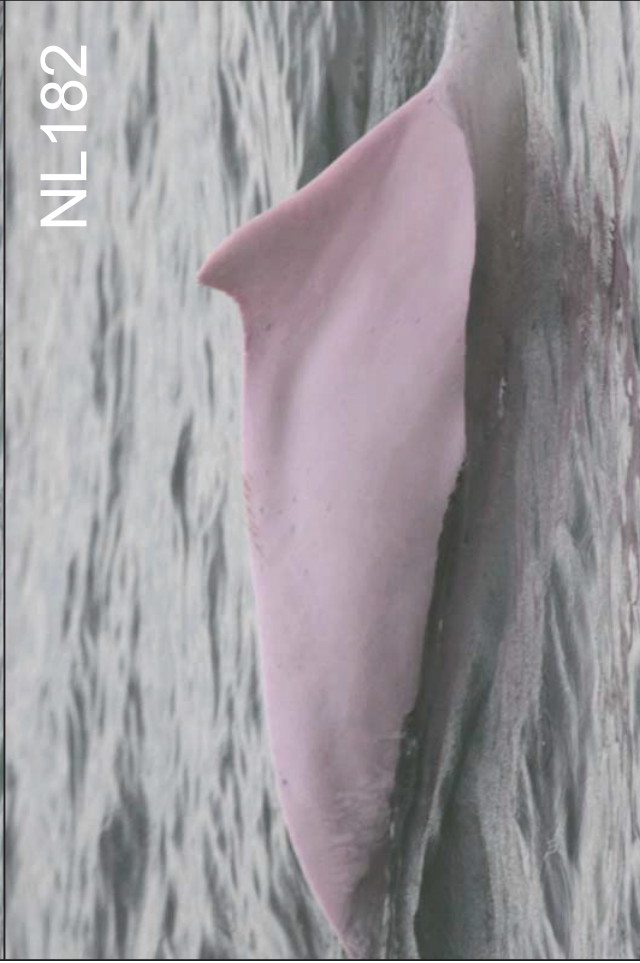
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NL139



NL145

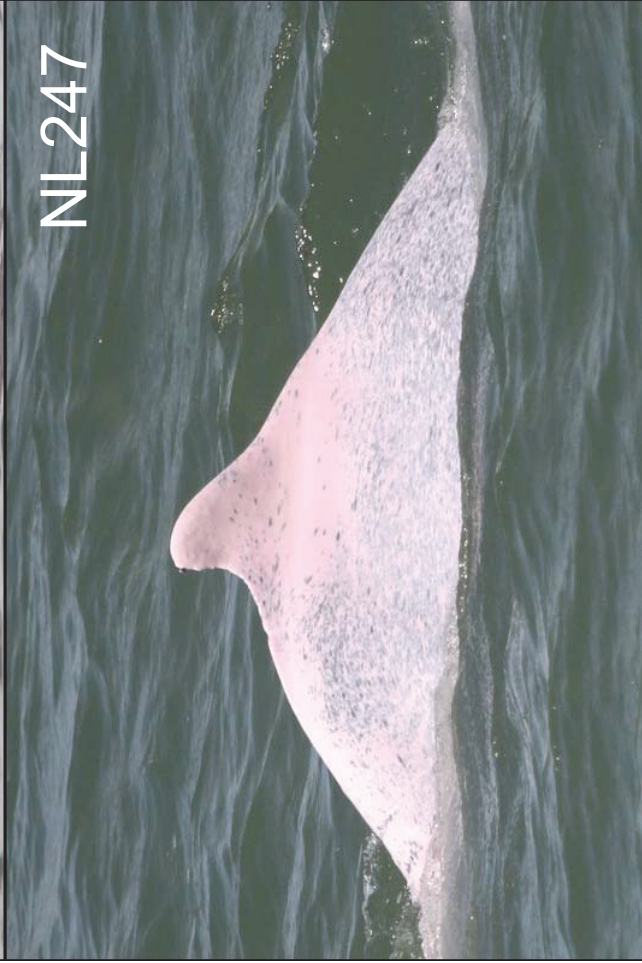
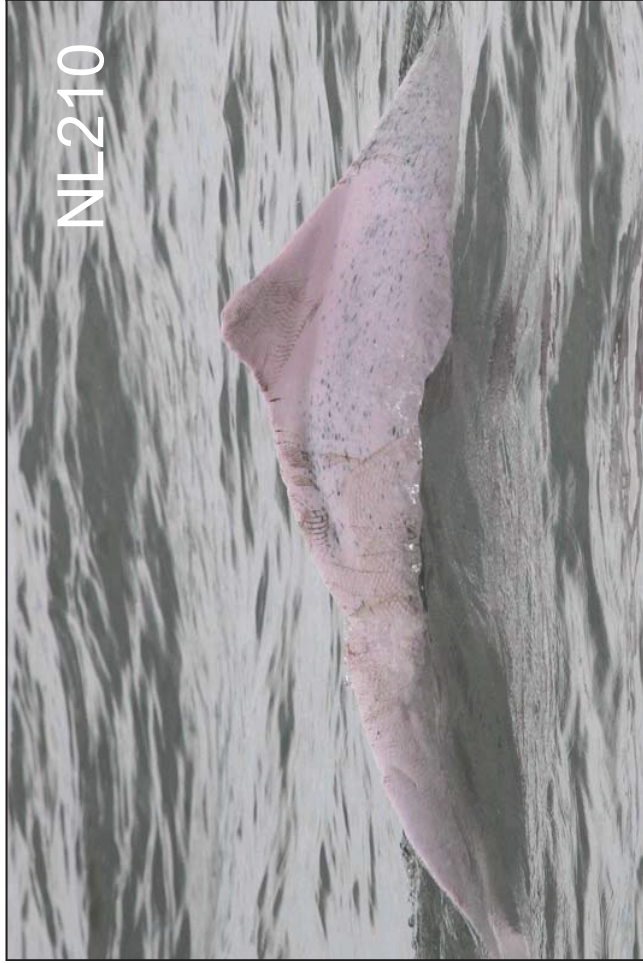


NL182



NL202

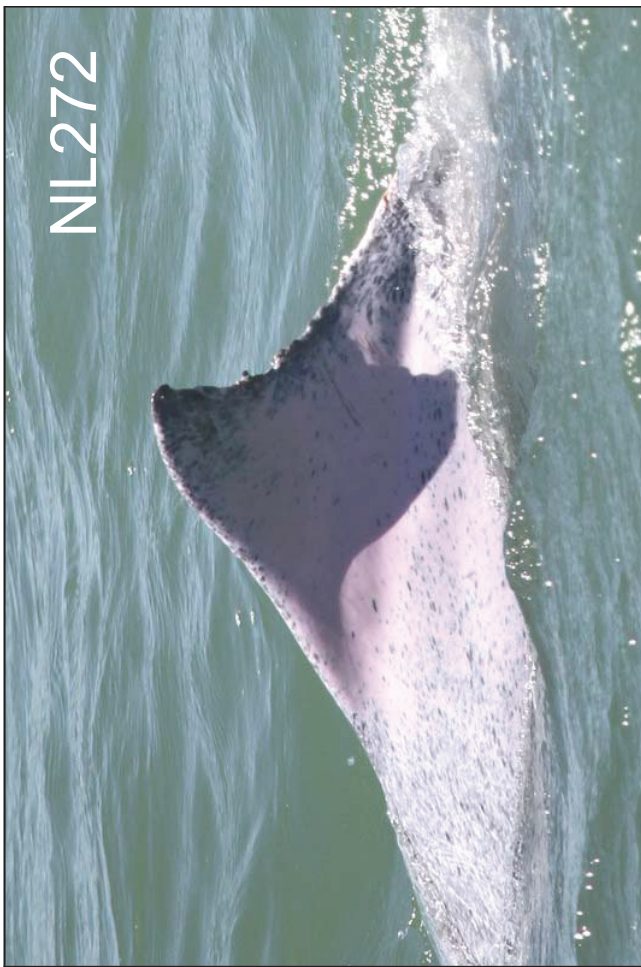
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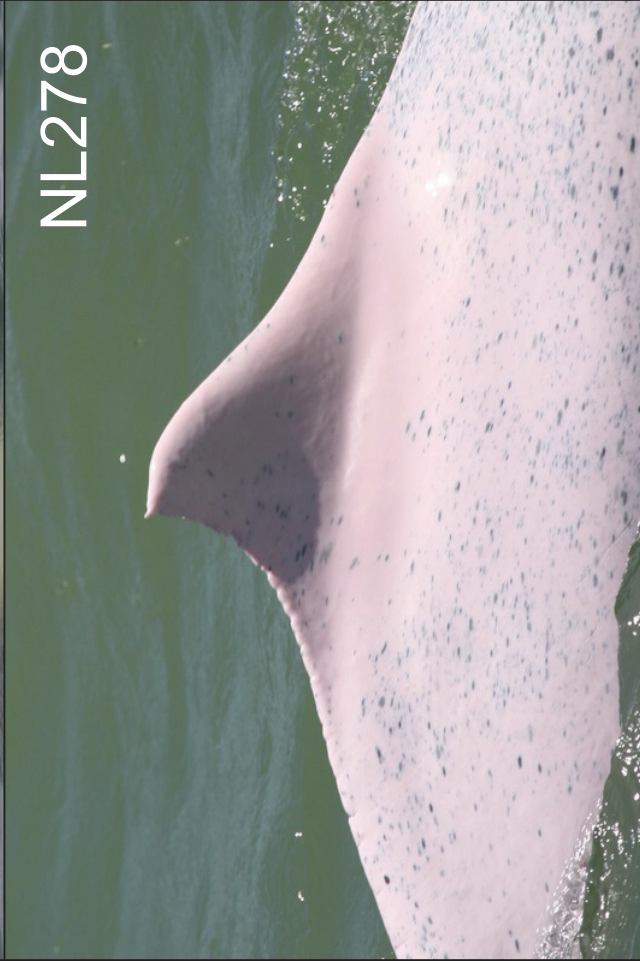
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NL261



NL272



NL278



NL284

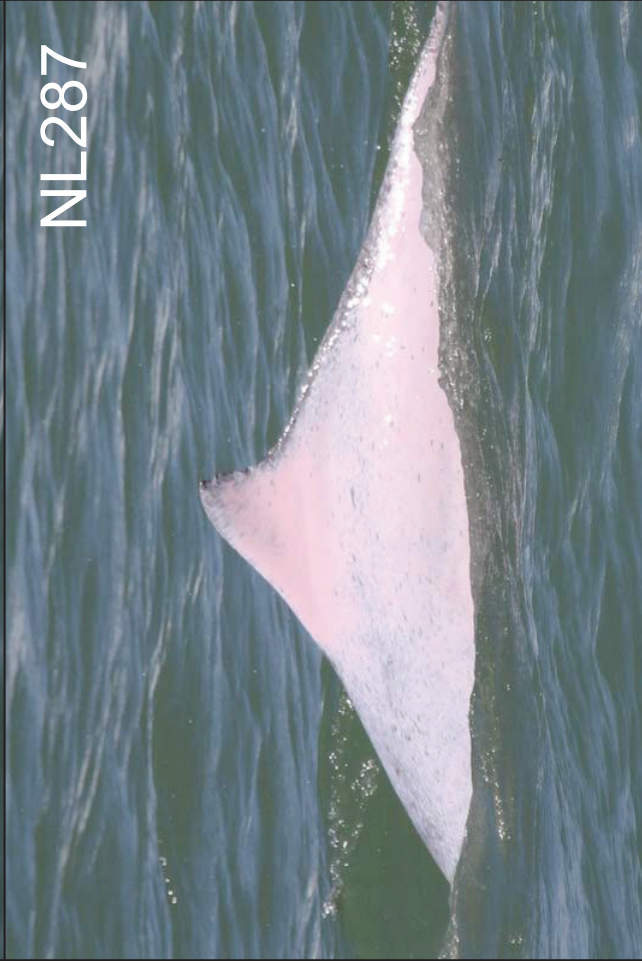
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NL285



NL286

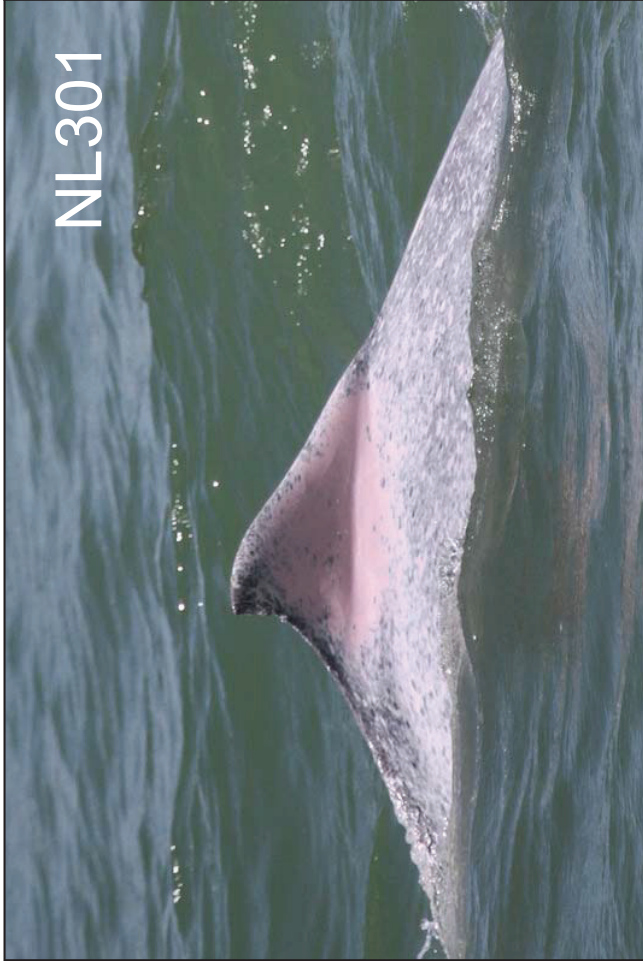


NL287



NL300

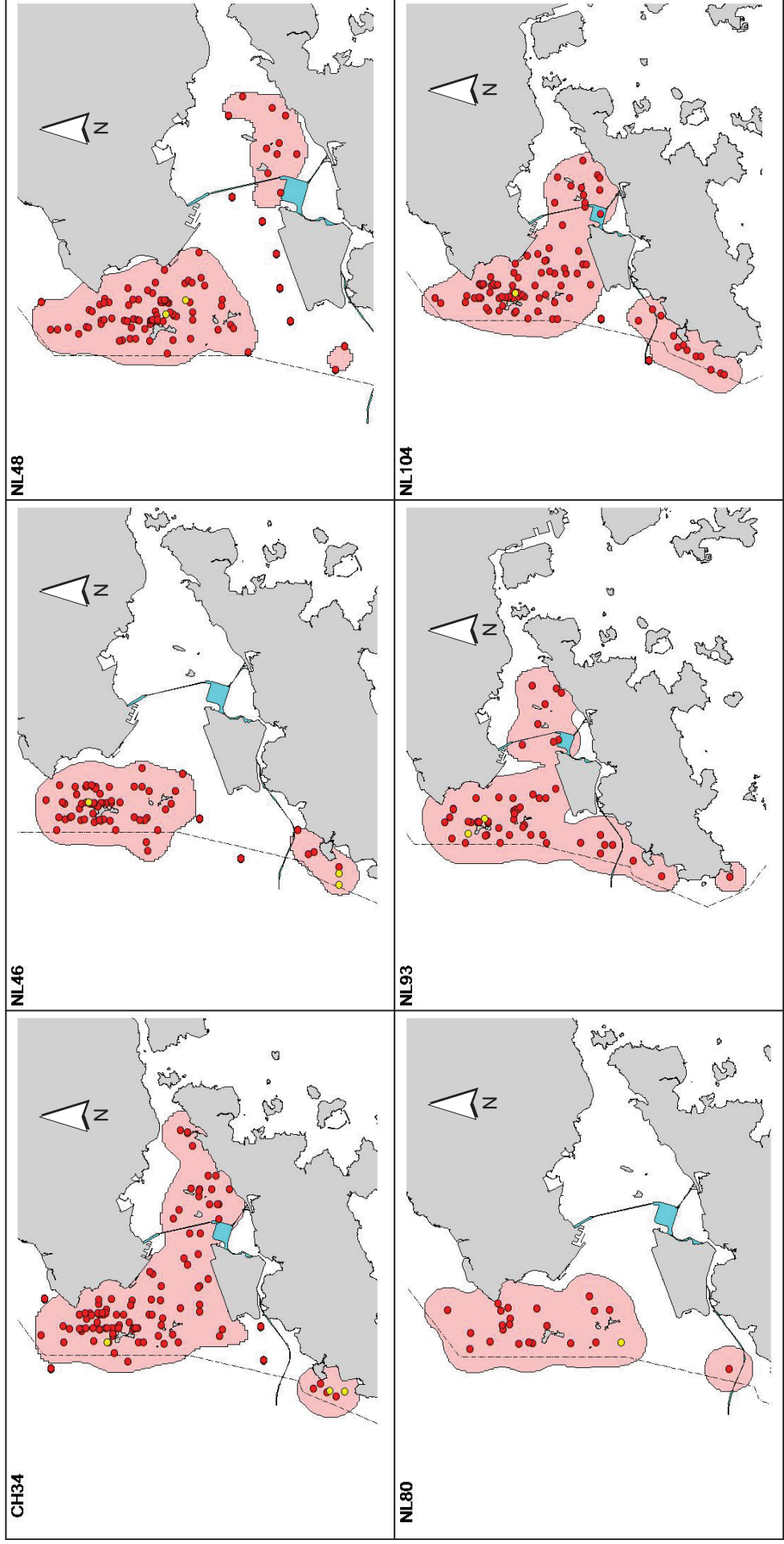
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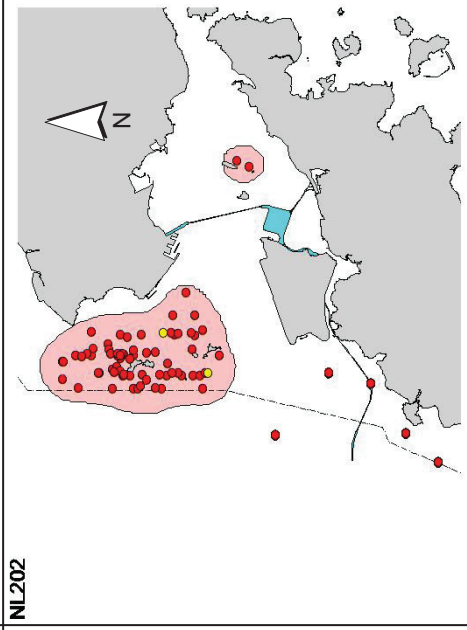
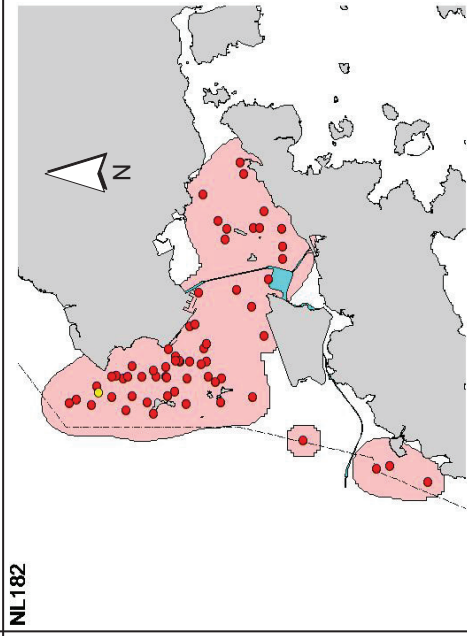
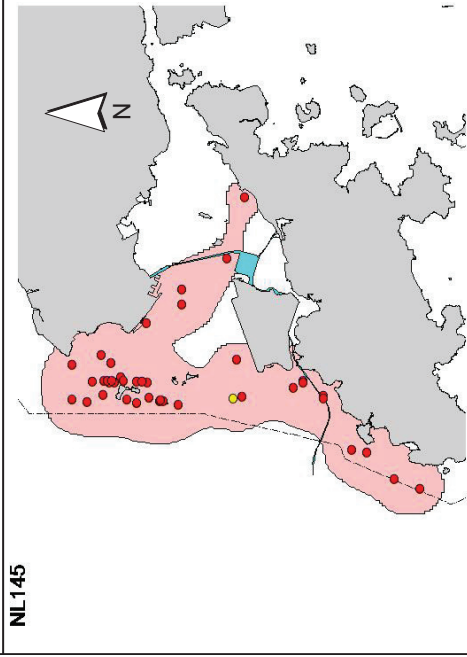
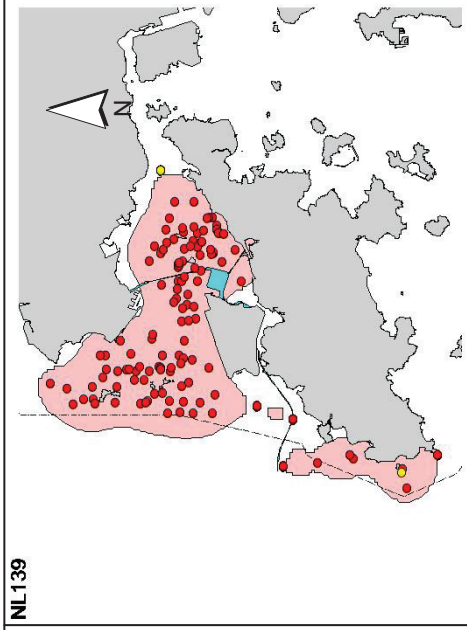
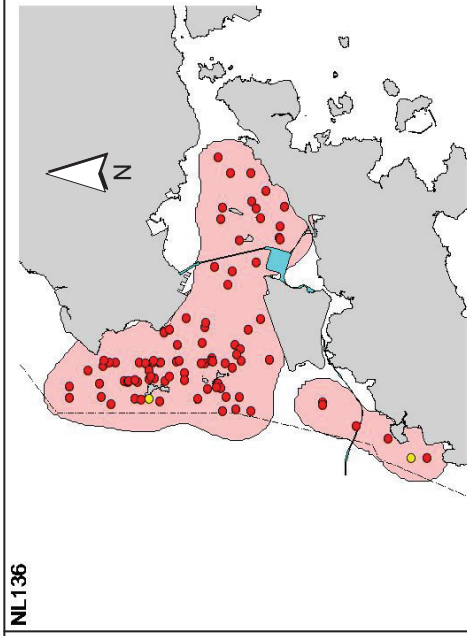
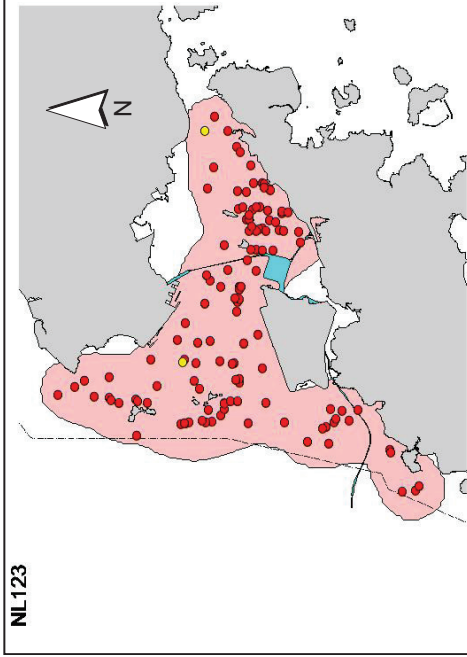
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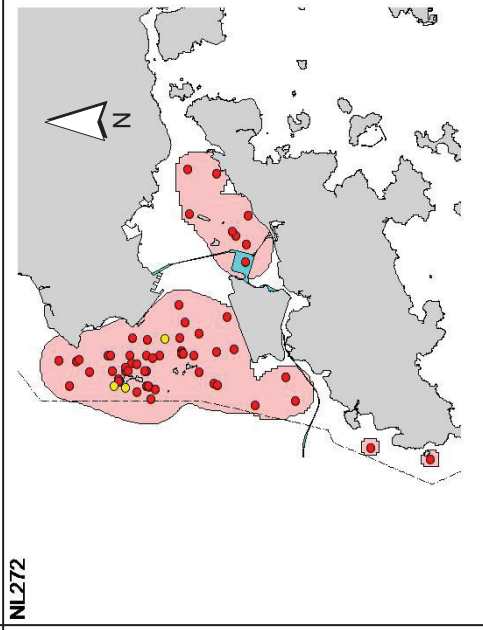
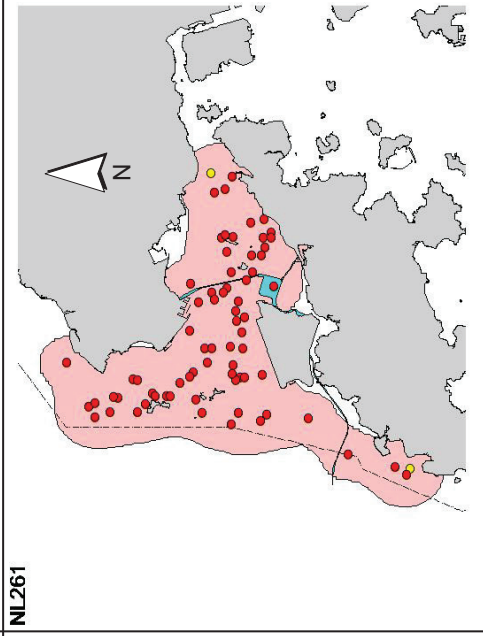
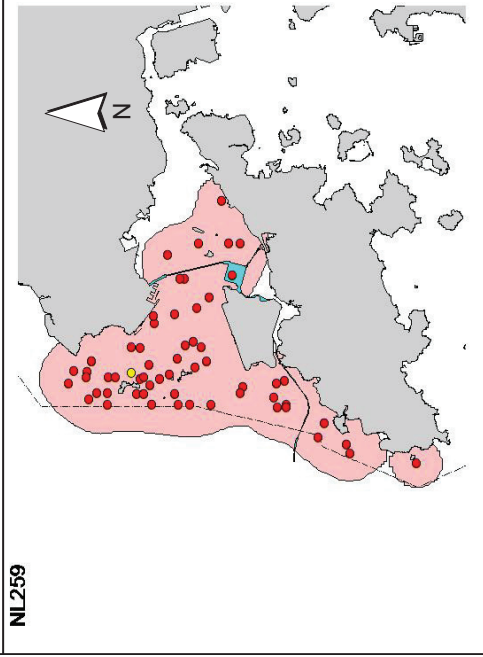
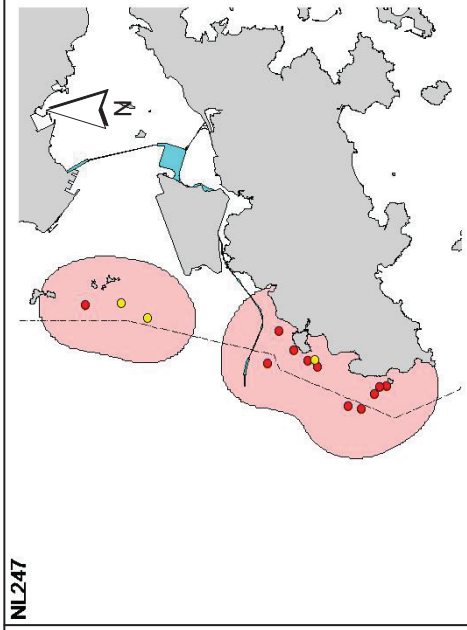
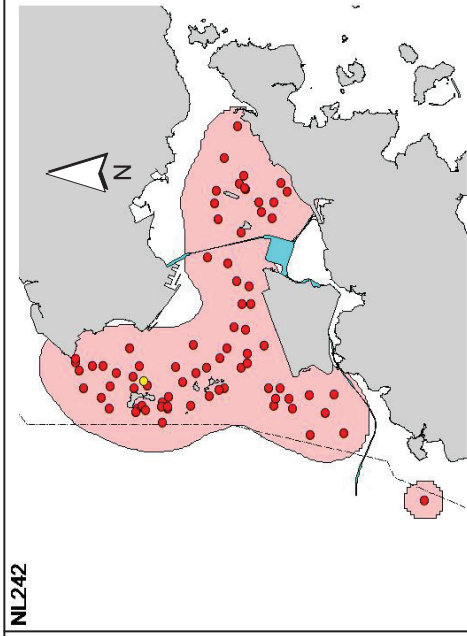
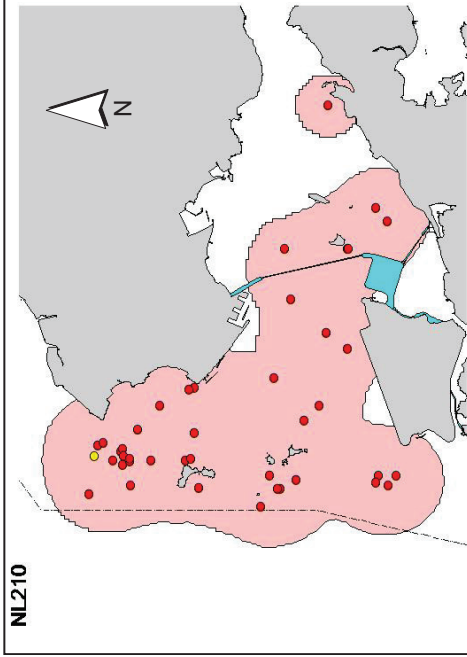
Annex V. Ranging patterns (95% kernel ranges) of 32 individual dolphins that were sighted during HKLR03 impact phase monitoring period (note: yellow dots indicates sightings made in June – August 2014)



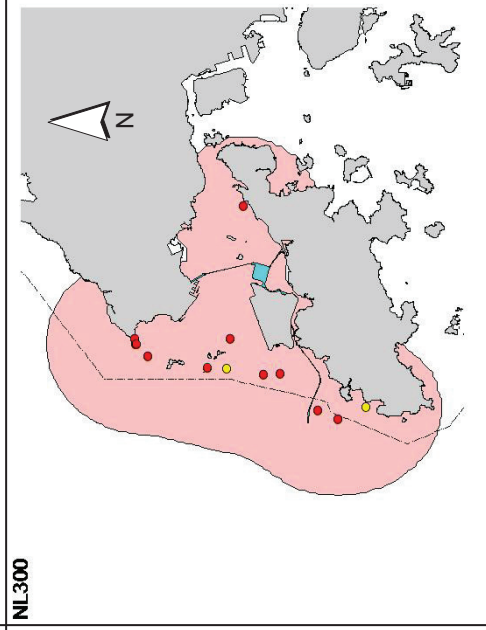
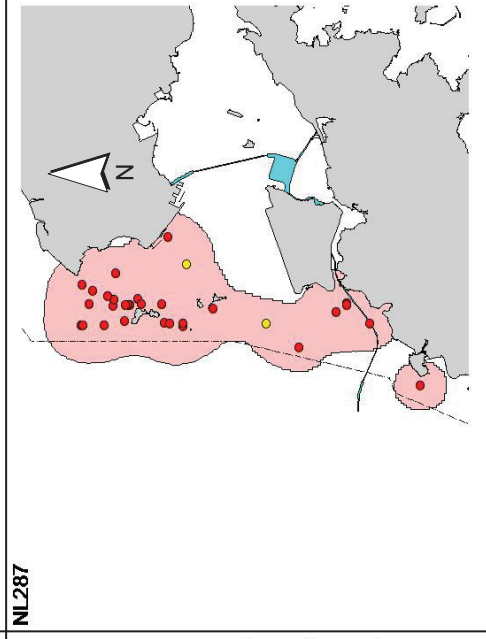
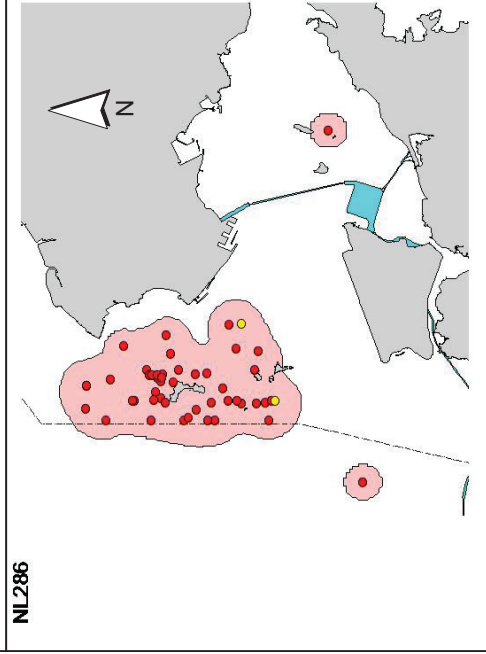
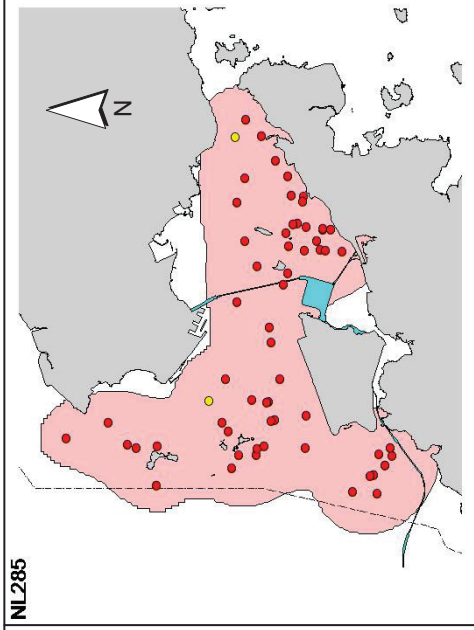
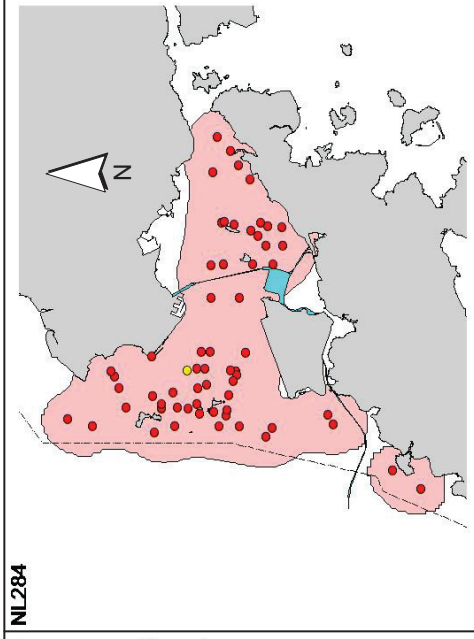
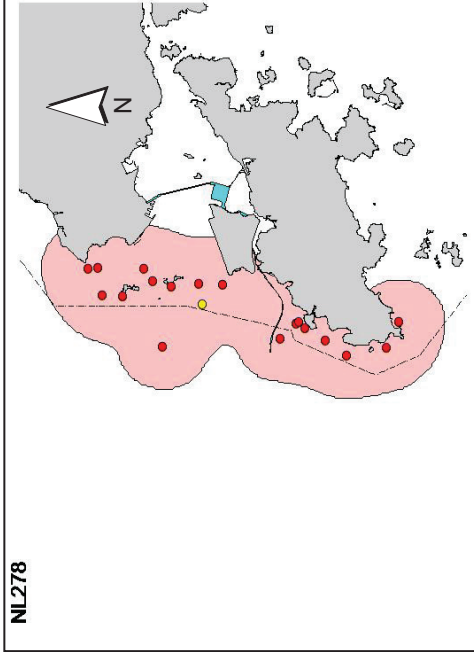
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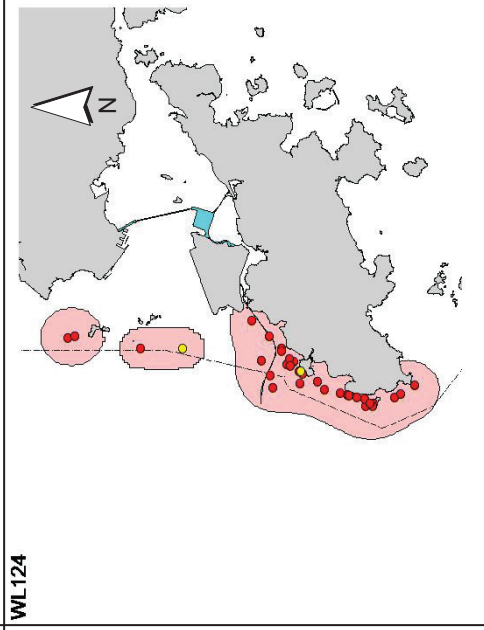
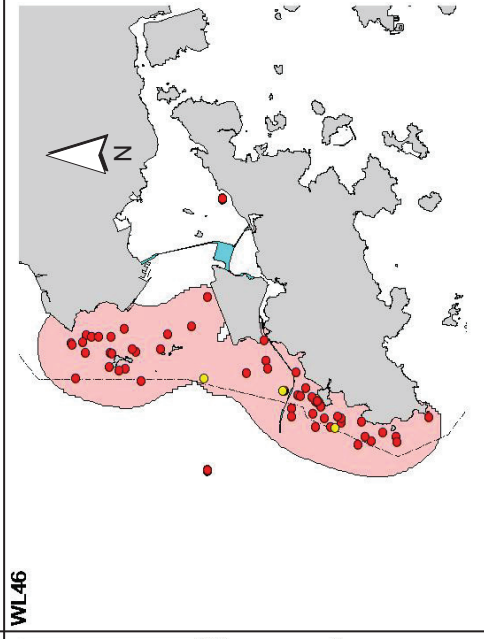
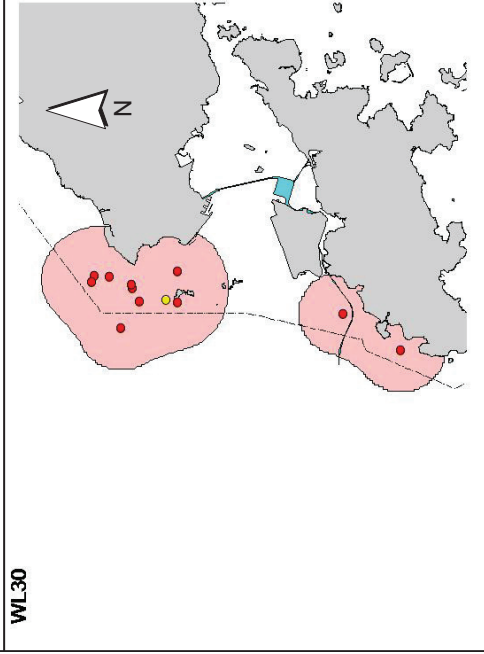
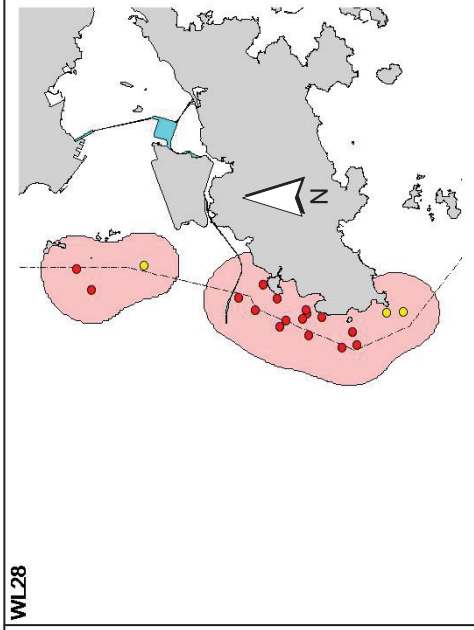
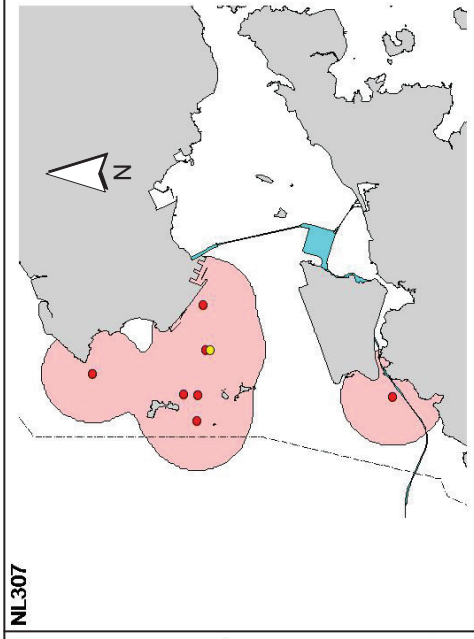
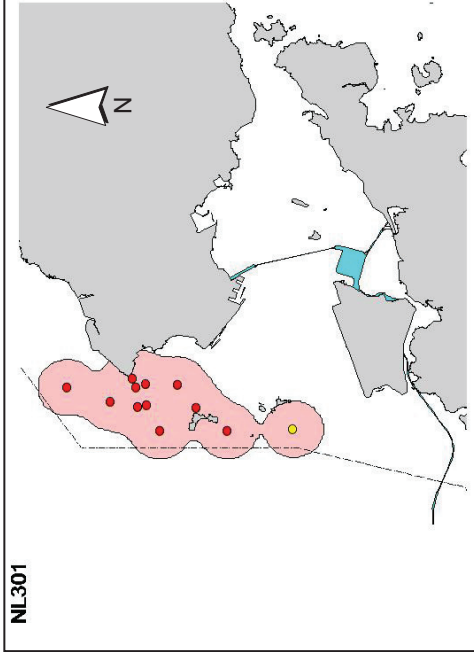
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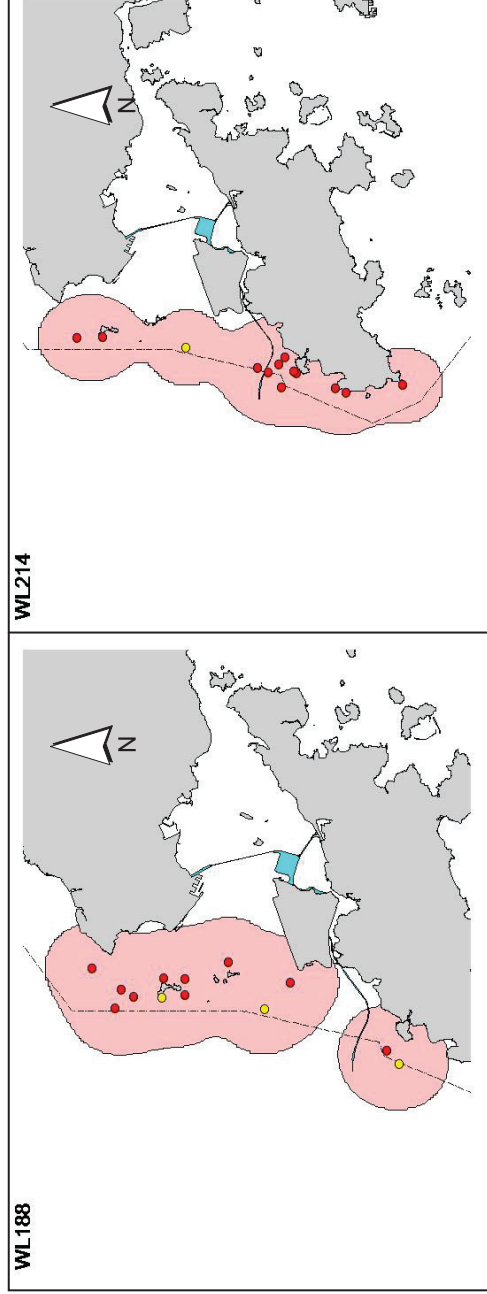
Annex V. (cont'd)



Annex V. (cont'd)



Annex V. (cont'd)





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HIGHWAYS DEPARTMENT

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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
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APPENDIX K

Waste Flow Table



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

MONTHLY SUMMARY WASTE FLOW TABLE

Name of Department: HyD

HKZMB Section Between HKLR and HKBCF

Contract No.: HY/2011/03

Monthly Summary Waste Flow Table for 2014

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated (in '000m ³)	Hard Rock and Large Broken Concrete (in '000m ³)	Reused in the Contract (Note 8) (in '000m ³)	Reused in Other Projects (Note 8) (in '000m ³)	Disposed as Public Fill (Note 6) (in '000m ³)	Imported Fill (Note 6) (in '000m ³)	Metals (in '000kg)	Paper / Cardboard Packaging (in '000kg)	Plastics (Note 3) (in '000kg)	Chemical Waste (in '000kg)	Others, e.g. general refuse (Note 8) (in '000m ³)	
Jan	6.396	0.000	6.396	0.000	0.000	127.813	0.000	0.000	0.000	0.163		
Feb	10.568	0.000	10.568	0.000	0.000	98.249	0.000	0.000	0.000	0.124		
Mar	7.136	0.000	7.136	0.000	0.000	83.389	0.000	0.000	0.000	0.208		
Apr	9.577	0.000	9.577	0.000	0.000	74.044	0.000	0.000	1.181	0.156		
May	9.874	0.000	9.874	0.000	0.000	76.189	0.000	0.000	0.000	0.221		
Jun	25.226	0.000	25.226	0.000	0.000	85.577	0.000	0.000	0.000	0.169		
Sub-total	68.776	0.000	68.776	0.000	0.000	545.261	0.000	0.000	1.181	1.040		
Jul	23.282	0.000	23.282	0.000	0.000	77.122	0.000	0.000	0.675	0.228		
Aug	37.111	0.000	37.111	0.000	0.000	69.887	0.000	0.000	0.000	0.182		
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Sub-total	60.392	0.000	60.392	0.000	0.000	147.009	0.000	0.000	0.675	0.410		
Total	129.168	0.000	129.168	0.000	0.000	692.271	0.000	0.000	1.856	1.450		

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=1.9tonnes/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



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Hong Kong Link Road - Section between Scenic Hill
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APPENDIX L

Summary of Environmental Licenses and Permits



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

Summary of Environmental Licences and Permits Application and Status

Environmental Permit

Date Application Submitted	Status	Date EP Issued	EP No.	EP Holder	Expiry Date
28.08.2013	VEP issued	05.09.2013	EP-352/2009/C	Highways Department	N/A
29.07.2013	VEP Issued	06.08.2013	EP-353/2009/G	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

Billing Account for Disposal of Construction Waste

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

Chemical Waste Producer Registration

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

Wastewater Discharge License

Item No.	Date Application Submitted	Area Applied	Status	Expiry Date
1	22.06.2012	Site Office for Supervising Officer (WA6)	Application Ref. No. 346651 Letter from the EPD (Ref: EP/RS/0000346267) dated 19.07.2012 confirming that license under WPCO is not required.	N/A
2	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 Sept 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 Sep 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 Applied for Water Discharge License and pending for approval	N/A
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	02.04.2013	Airport Road (Northern)	Water discharge license Ref. WT00015865-2013 was granted on 29 Apr 2013	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	12.11.2013	WA4	Loading/ Unloading of stockpiles	CNP issued on 26.11.2013 (superseded by GW-RS0434-14)	GW-RW0842-13	04.12.2013 1900	03.06.2014 2300
2	17.01.2014	Airport Road 1900	Rock Excavation	CNP issued on 30.01.2014 (superseded by GW-RS0887-14)	GW-RS0070-14	04.02.2014 1900	03.08.2014 2300
3	10.03.2014	WA3	Stockpiling/ wastewater treatment	CNP issued on 24.03.2014	GW-RS0256-14	24.03.2014 2400	27.09.2014 2400

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
4	18.03.2014	Kwo Lo Wan (19-23; 23-07)	Grouting and excavation	CNP issued on 01.04.2014 (superseded by GW-RS0609-14)	GW-RS0306-14	01.04.2014 1900	30.09.2014 2400
5	25.03.2014	Portion X	Marine Works	CNP issued on 08.04.2014 (superseded by GW-RS0726-14)	GW-RS0348-14	12.04.2014 1900	11.10.2014 2400
6	31.03.2014	West Portal	Tunnel works	CNP issued on 14.04.2014	GW-RS0372-14	14.04.2014 1900	13.09.2014 2400
7	17.04.2014	Reclamation Area	Sheet Piling	CNP issued on 30.04.2014	PP-RS0009-14	15.05.2014 0700	14.11.2014 1900
8	23.04.2014	S16	Grouting works	CNP issued on 07.05.2014	GW-RS0418-14	12.05.2014 1900	11.11.2014 2300
9	12.05.2014	Tung Fai Road	Water Pipes installation	CNP issued on 26.05.2014	GW-RS0522-14	27.05.2014 2100	26.11.2014 0700
10	15.05.2014	WA4	Loading/ Unloading of stockpiles	CNP issued on 29.05.2014	GW-RS0434-14	04.06.2014 1900	03.12.2014 2300
11	21.05.2014	Portion X	Stone Column works RWC	CNP issued on 30.05.2014 (superseded by GW-RS0655-14)	GW-RS0546-14	05.06.2014 0130	04.08.2014 0700
12	29.05.2014	Airport Road Slip Road TTA Works	TTA Works	CNP issued on 09.06.2014	GW-RS0593-14	12.06.2014 0000	30.06.2014 0500
13	04.06.2014	Kwo Lo Wan (19-23; 23-07)	Grouting and Drilling	CNP issued on 18.06.2014	GW-RS0609-14	20.06.2014 1900	19.12.2014 2400

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
14	13.06.2014	Portion X	Stone Column works RWC	CNP issued on 24.06.2014 (superseded by GW-RS0881-14)	GW-RS0655-14	27.06.2014 0130	26.08.2014 0700
15	08.07.2014	Portion X	Marine Works	CNP issued on 22.07.2014	GW-RS0726-14	22.07.2014 1900	24.12.2014 2400
16	11.08.2014	Portion X	Stone Column works RWC	CNP issued on 25.08.2014	GW-RS0881-14	27.08.2014 0130	26.10.2014 0700
17	12.08.2014	Airport Road 1900 (N13)	Road Works	CNP issued on 26.08.2014	GW-RS0887-14	27.08.2014 1900	03.02.2015 2300
18	13.08.2014	Airport Road Maintenance	Road Works	CNP issued on 27.08.2014	GW-RS0891-14	28.08.2014 0000	31.12.2014 0500



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APPENDIX M

Record of “Notification of Environmental Quality Limit Exceedances



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

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.: 183

Date of Notification: 11 July 2014

Works Inspected: Data collected from water sampling works on 27 June 2014 and the test report was issued on 2 July 2014.

Monitoring Location: Water Quality Monitoring Stations

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
DO	IS8	Surface	5	4.2	5.1	<i>4.9</i>

Notes:
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.

Possible reason for Action or Limit Level Non-compliance:

On 27 June 2014, an Action Level exceedance of dissolved oxygen was recorded at station IS8 during the mid-flood tide.

The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:

- Sand filling, installation of stone column, formation of stone platform and formation of seawall at Zone 1, formation of seawall at Zone 2, formation of seawall and deposition of rock core at Zone 3A were carried out within silt curtain as recommended in the EIA report.
- The range of dissolved oxygen at station IS8 during the baseline monitoring is shown as below:

Station	Depth	Range of Dissolved Oxygen (mg/L) Mid-Ebb Tide		Range of Dissolved Oxygen (mg/L) Mid-Flood Tide	
IS8	Surface	4.9	to 8.6	5.5	to 7.7

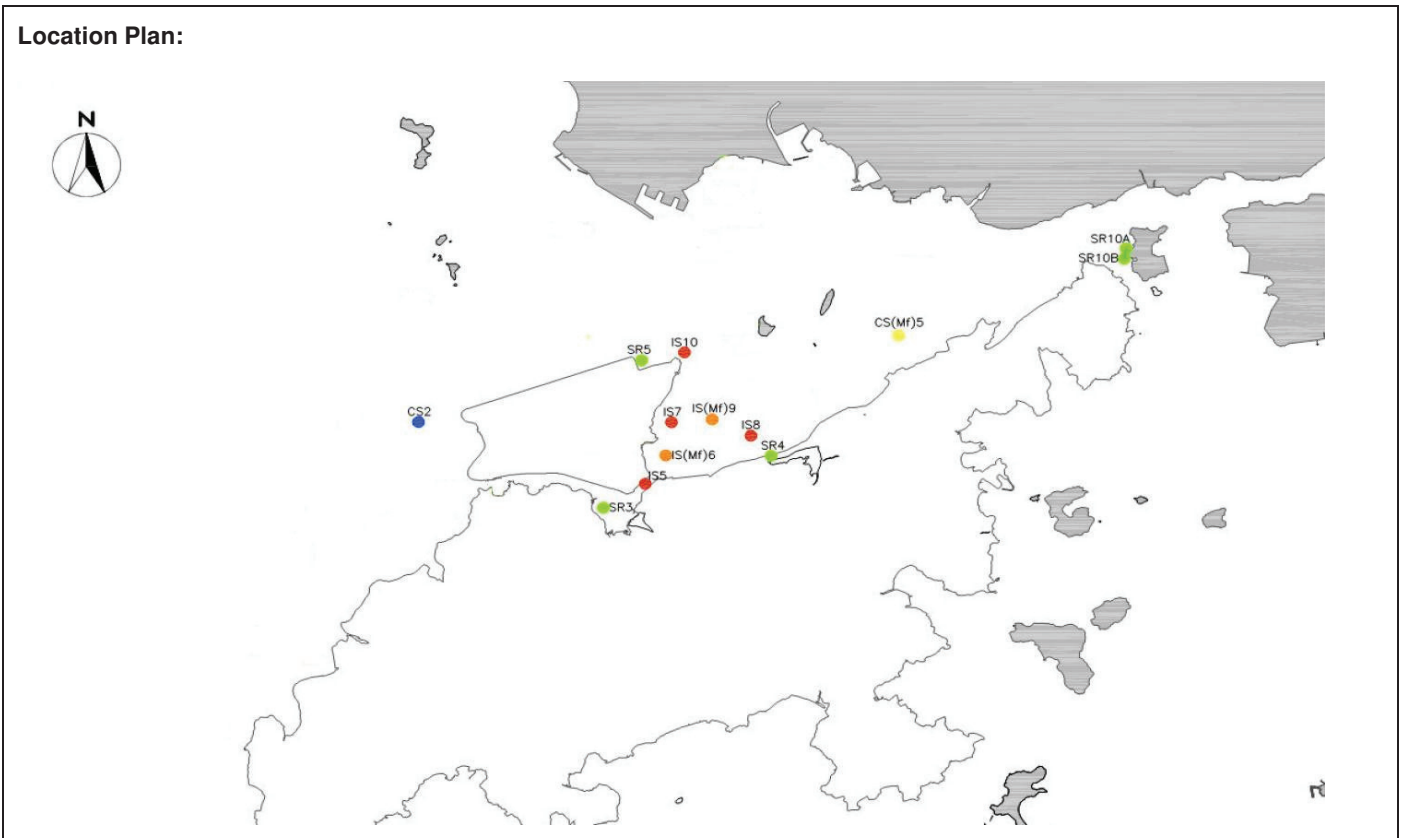
The measured value at station IS8 at the surface level was below the range of dissolved oxygen during the baseline monitoring for mid-flood tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impact on the monitoring results.

As such, the exceedance in DO levels is considered to be attributed to other external factors rather than the contract works.

Actions taken/ to be taken:

As the DO level recorded beyond the water quality criteria was not related to contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader



Date : 11 July 2014

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

**Contract No. HY/2011/03 -
 Hong Kong- Zhuhai- Macao Bridge
 Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
 Notifications of Environmental Quality Limits Exceedances** Notification No.: 184 (ver 1)

Date of Notification: 6 August 2014

Works Inspected: Data collected from water sampling works on 9 July 2014 and the test report was issued on 11 July 2014.

Monitoring Location: Water Quality Monitoring Stations

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
DO	IS(Mf)6	Surface & Middle	5	4.2	5.4	<i>4.9</i>

Notes:
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.
 Water quality monitoring was carried out for surface level only at station IS(Mf)6 on 9 July 2014.

Possible reason for Action or Limit Level Non-compliance:

On 9 July 2014, an Action Level exceedance of dissolved oxygen was recorded at station IS(Mf)6 during the mid-flood tide.
 The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:

1. Stone column works and construction of seawall at Zone 1 were carried out within silt curtain as recommended in the EIA report.
2. The range of dissolved oxygen for surface and middle level at station IS(Mf)6 during the baseline monitoring is shown as below:

Station	Depth	Range of Dissolved Oxygen (mg/L) Mid-Ebb Tide		Range of Dissolved Oxygen (mg/L) Mid-Flood Tide	
IS(Mf)6	Surface & Middle	3.3	to 10.6	2.6	to 10.1

The measured value at station IS(Mf)6 at the surface level was within the range of dissolved oxygen during the baseline monitoring for mid-flood tide.

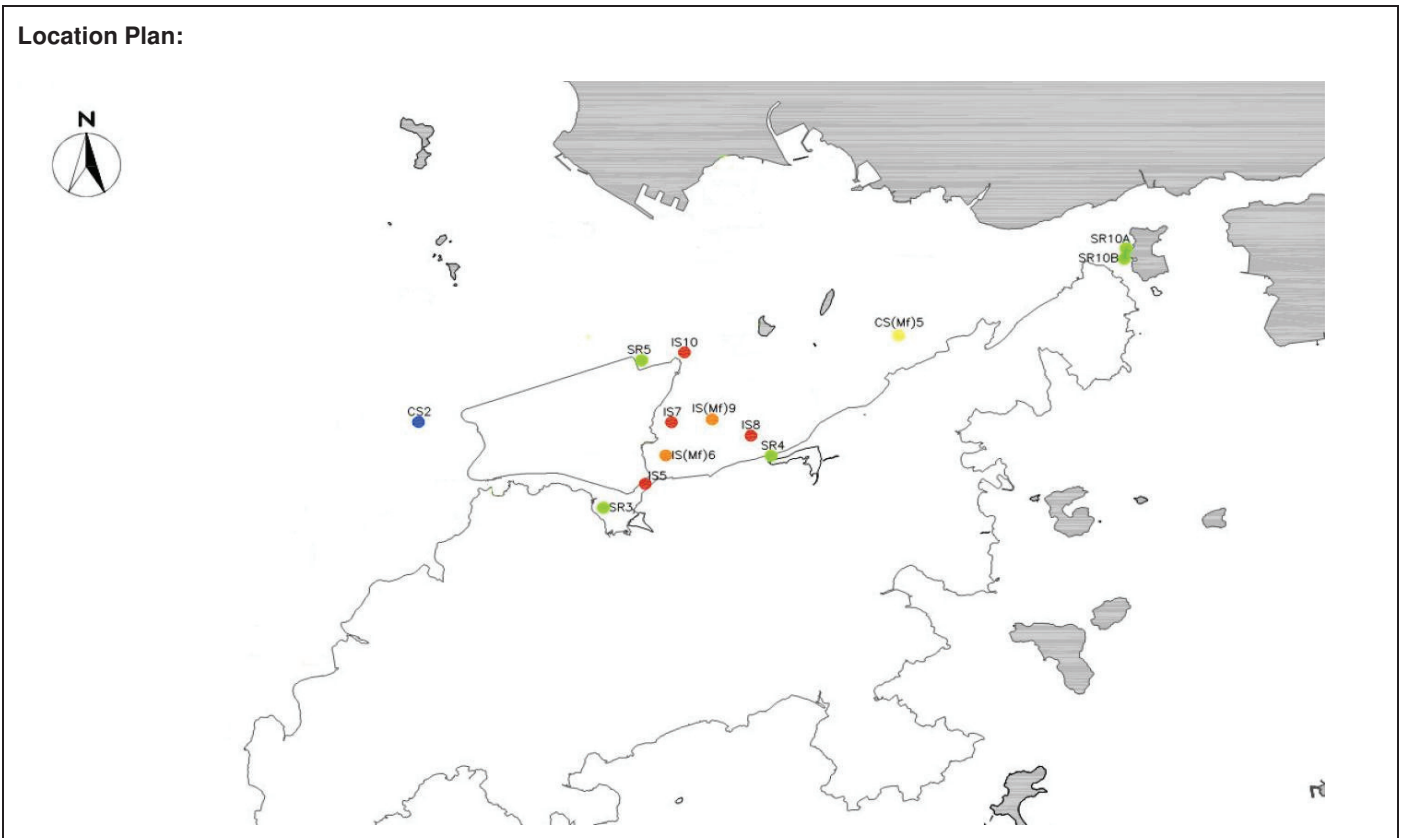
3. There were no specific activities recorded during the monitoring period that would cause any significant impact on the monitoring results.

As such, the exceedance in DO levels is considered to be attributed to other external factors rather than the contract works.

Actions taken/ to be taken:

As the DO level recorded beyond the water quality criteria was not related to contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader



Date : 6 August 2014

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

Date of Notification: 27 August 2014

Works Inspected: Data collected from water sampling works on 11 August 2014 and the test report was issued on 18 August 2014.

Monitoring Location: Water Quality Monitoring Stations

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS(Mf)6	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.52 x 120% = 7.8 mg/L for mid ebb) AND CS(Mf)5: 4.88 x 120% = 5.9 mg/L for mid flood)	34.4 and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.52 x 130% = 8.5 mg/L for mid ebb) AND CS(Mf)5: 4.88 x 130% = 6.3 mg/L for mid flood)	29.5	4.2

Notes:
 DA means depth average.
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.

Possible reason for Action or Limit Level Non-compliance:

On 11 August 2014, an AL exceedance was recorded at station IS(Mf)6 during mid-ebb tide.

The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:

1. Seawall construction and stone column works at Zone 1, seawall construction at Zone 3A were carried out within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS(Mf)6 during the baseline monitoring are shown as below:

Station	Range of Suspended Solid (mg/L) Mid- Ebb Tide	Range of Suspended Solid (mg/L) Mid- Flood Tide
IS(Mf)6	7.1 to 19	8.5 to 35

The measured value at station IS(Mf)6 was above the range of suspended solid during baseline monitoring for mid-ebb tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid level is considered to be attributed to other external factors, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria is not related to contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader



Date : 27 August 2014

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

**Contract No. HY/2011/03 -
 Hong Kong- Zhuhai- Macao Bridge
 Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities
 Notifications of Environmental Quality Limits Exceedances** Notification No.: 186 ver1

Date of Notification: 5 September 2014

Works Inspected: Data collected from water sampling works on 15 August 2014 and the test report was issued on 19 August 2014.

Monitoring Location: Water Quality Monitoring Stations

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
DO	IS10	Surface & Middle	5	4.2	4.8	4.6
DO	SR5	Surface & Middle(*)	5	4.2	4.9	4.8
DO	IS10	Bottom	4.7	3.6	4.3	4.3
DO	SR5	Bottom	4.7	3.6	4.7	4.5

Notes:
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.
 (*)-Water quality monitoring was carried out for surface level only at station SR5 on 15 August 2014.

Possible reason for Action or Limit Level Non-compliance:

On 15 August 2014, Action Level exceedances of dissolved oxygen were recorded at stations IS10 and SR5 during the mid-ebb tide and mid flood tide.

The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reasons:

1. Stone column works and construction of seawall at Zone 1, and construction of seawall at Zone 3A were carried out within silt curtain as recommended in the EIA report.
2. The range of dissolved oxygen for surface & middle level and bottom level at stations IS10 and SR5 during the baseline monitoring is shown as below:

Station	Depth	Range of Dissolved Oxygen (mg/L) Mid-Ebb Tide		Range of Dissolved Oxygen (mg/L) Mid-Flood Tide	
IS10	Surface & Middle	5.0	to 7.2	5.0	to 7.6
SR5	Surface & Middle	5.1	to 7.3	4.8	to 7.4
IS10	Bottom	4.6	to 7.0	4.9	to 7.0
SR5	Bottom	4.8	to 7.0	4.8	to 7.1

On 15 August 2014, the dissolved oxygen level at SR5 for the surface level during the mid-flood tide was within the range of the baseline monitoring. For the other dissolve oxygen levels recorded at SR5 and IS10 on 15 August 2014, they were slightly below their corresponding lowest value of the baseline monitoring data.

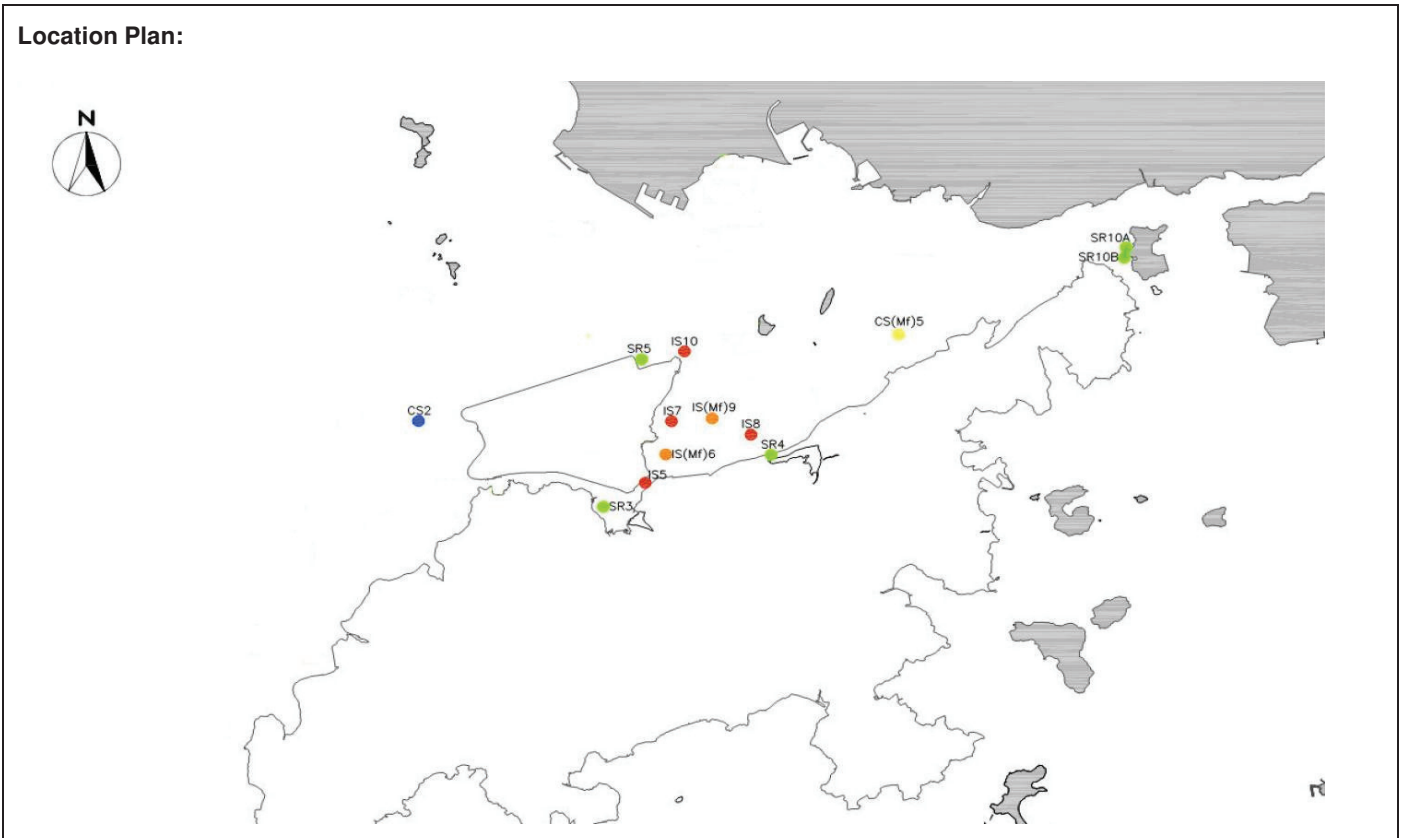
3. There were no specific activities recorded during the monitoring period that would cause any significant impact on the monitoring results.

As such, the exceedances in DO levels are considered to be attributed to other external factors rather than the contract works.

Actions taken/ to be taken:

As the DO levels recorded beyond the water quality criteria were not related to contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader



Date : 5 September 2014

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

**Contract No. HY/2011/03 -
 Hong Kong- Zhuhai- Macao Bridge
 Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities**
Notifications of Environmental Quality Limits Exceedances Notification No.: 187

Date of Notification: 27 August 2014

Works Inspected: Data collected from water sampling works on 13 August 2014 and the test report was issued on 20 August 2014.

Monitoring Location: Water Quality Monitoring Stations

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

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

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	SR5	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: Not applicable ⁽¹⁾ for mid ebb) AND CS(Mf)5: 4.47 x 120% = 5.4 mg/L for mid flood)	34.4 and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: Not applicable ⁽¹⁾ for mid ebb) AND CS(Mf)5: 4.47 x 130% = 5.8 mg/L for mid flood)	N.A. ⁽¹⁾	24.2

Notes:
 (1) WQM for mid-ebb tide on 13 Aug 2014 was cancelled for safety reason as Thunderstorm Warning was hoisted by HKO. DA means depth average.
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.

Possible reason for Action or Limit Level Non-compliance:

On 13 August 2014, an AL exceedance was recorded at station SR5 during mid-ebb tide.

The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:

- Construction of seawall and stone column works at Zone 1 were carried out within silt curtain as recommended in the EIA Report.
- The ranges of suspended solid at station SR5 during the baseline monitoring are shown as below:

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

The measured value at station SR5 was within the range of suspended solid during baseline monitoring for mid-flood tide. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

- No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid level is considered to be attributed to other external factors, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid level recorded beyond the water quality criteria is not related to contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader



Date : 27 August 2014

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

Contract No. HY/2011/03 - Hong Kong- Zhuhai- Macao Bridge Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities Notifications of Environmental Quality Limits Exceedances			Notification No.: 188 ver0
Date of Notification: 25 September 2014			
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 2014 - August 2014
	Action Level (AL)	Limit Level (LL)	
Northeast Lantau (NEL)	STG < 4.2 & ANI < 15.4	NEL: (STG < 2.4 & ANI <8.9) and NWL: (STG < 3.9 & ANI <17.9)	<i>STG = 0.42; ANI = 1.69</i>
Northwest Lantau (NWL)	STG < 6.9 & ANI < 31.3		<i>STG = 4.74; ANI = 17.52</i>
Notes: <ol style="list-style-type: none"> STG means quarterly encounter rate of number of dolphin sightings. ANI means quarterly encounter rate of total number of dolphins. 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. <i>Bold Italic</i> means AL exceedances. <i>Bold Italic with underline</i> means LL exceedances 			
Possible reason for Action Level Non-compliance: <p>According to the contractor's information, the marine activities undertaken for HKLR03 during the quarter of June 2014 to August 2014 included stone platform construction, reclamation, stone column installation, band drain installation, excavation of stone platform, surcharge activities, construction of seawall and temporary drainage diversion.</p> <p>There is no evidence showing the current AL non-compliance directly related to the construction works of HKLR03, 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. 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.</p>			
Actions taken/ to be taken: <p><u>Inform the IEC, ER/SOR and Contractor</u> The ETL informed IEC, ENPO SOR and Contractor via email on 26 August 2014.</p> <p><u>Repeat statistical data analysis to confirm findings and check monitoring data:</u> A two-way ANOVA with repeated measures and unequal sample size was conducted to examine whether there were any significant differences in the average encounter rates between the baseline and impact monitoring periods. The two variables that were examined included the two periods (baseline and impact phases) and two locations (NEL and NWL). For the comparison between the baseline period and the present quarter (seventh quarter of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0199 and 0.0597 respectively. If the alpha value is set at 0.1, significant difference was detected between the baseline and present quarters in both encounter rates of STG and ANI. For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first seven quarters of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0037 and 0.0013 respectively. Even if the alpha value is set at 0.01, significant difference was detected in both the average dolphin encounter rates of STG and ANI (i.e. between the two periods and the locations).</p> <p><u>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:</u> The AFCD monitoring data during June to August 2014 has been reviewed by the dolphin specialist, and no dolphin was sighted from 173.90 km of survey effort on primary lines in NEL during the same quarter (a lone dolphin was sighted in NEL off-effort though during AFCD monitoring survey in August 2014). This review has confirmed that the very low occurrence of dolphins reported by the HKLR03 monitoring survey in summer 2014 in NEL is accurate.</p> <p><u>Identify source(s) of impact:</u> There is no evidence showing that the sources of impact directly related to the construction works of HKLR03 that may have affected the dolphin usage in the NEL region.</p>			

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. The Contractor will continue to provide training forskippers 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.

Reviewed by : Claudine Lee Title : ET Leader


Copied to : Supervising Officer, ENPO, IEC, EPD, Contractor Date : 25 September 2014

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



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
8th Quarterly EM&A Report (Rev.2)

APPENDIX N

Cumulative Statistic on Complaints



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

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 the 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.	WAG Portion X	<ul style="list-style-type: none"> 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 collision/serious safety matters; The supervision teams would enhance their tight control on the vessels and barges working at that location, and monitor the situation and take corresponding actions; and To enhance the work force of RSS to supervise each step of construction activities and the use of hand tools until the completion of the site office erection. Noise from Engines and Cranes of the Barges during Marine Operation Installation of noise covers onto the generators / motors on all working barges; Increase frequency of applying lubricant to all moving parts and gear wheels of the working machinery and plants at night time and abnormal sound; and Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays. Noise from power generators All generators shall be either screened or covered by adequate sound reducing materials; All generators situated in front of Le Bleu Deux estate will be switched off at 19:00 hrs, except two generators will be kept running up to 22:00hrs and one generator will be kept running overnight for maintaining minimum power requirement; and Arrangement with CLP Power HK Ltd (CLP) for the permanent power supply to the site offices has been chased in a matter of urgency. The use of power generators will be terminated in phase starting from 6 December 2012. Exhaust Fume Emission Tight control on using the machine and generators in the vicinity of Le Bleu Deux estate; and Closely monitor the frequency on engine cleansing and replacement of dust filter. Change of Sea Water in Yellow The Contractor was reminded to move their vessels and barges at areas with adequate water depth as practically as possible. 	Closed	-
COM-2012-010(4)	19-Nov-2012	22:25 hrs.	EPD	Environmental (Air quality and Noise)	The complainant filed again a complaint for the strong exhaust pipe fumes small 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).	WAG			
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 it is not "not that bad" whatever that means for you. And again strong noise of metallic parts being thrown on the ground. / <i>thought you have already sorted out that problem according to your multiple replies to my complaints since July????</i>	WAG			
	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: <ul style="list-style-type: none"> 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 Construction Engineering (Hong Kong) Ltd near Su Ho Wan Sewage Treatment Works due to insufficient dust suppression and inadequate wheel washing.	WAG	The Contractor of HY/2011/03 would take the following actions with immediate effect <ul style="list-style-type: none"> To ensure no loose earth material exposed at the edges of earth 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 IZMB 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. The complainant pointed that the crane operating at 10:27 hrs on 24 March 2012 needed lubricant.	Portion X	The Contractor will keep on closely monitoring the situation and carry out the necessary noise mitigation measures while barges are working in the site area nearby residential area.	Closed	-
COM-2013-018 (5)	31-Mar-2013	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	-
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	-

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-2013-018 (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; - 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 complainant 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-2013-025(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	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	-

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
COI-M-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 2:00 hrs on 7 October 2013. The complainant complained that it was very noisy at the roof 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	-
COI-M-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	-
COI-M-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	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	-
COI-M-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	-
COI-M-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 6 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 air machinery regularly.	Closed	-
COI-M-2014-048	18-Jan-2014	--	EPD	Environmental (Other: Blackish mud)	A complaint was received on 18 January 2014 regarding blackish mud along the edge of the construction site of Hong Kong-Zhuhai-Macao Bridge Hong Kong Project near the airport in the morning of 18 January 2014.	Portion X	Based on the investigation results, it is considered that the blackish mud raised in the complaint was not related to HKLR03 Contract. In this case, no follow up action is required.	Closed	-
COI-M-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	-
COI-M-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	-
COI-M-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	-



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
8th Quarterly EM&A Report (Rev.2)

APPENDIX O

Mudflat Monitoring Results



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



Figure 2.1. 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).

Table 3.1. Record of horseshoe crab survey in every sampling zone.

Ind. #	Sub.	GPS coordinate	Record of prosomal width (mm)
Sampling site TC1 (Search hour = 2 hrs)			
<i>Carcinoscorpius rotundicauda</i>			
1	M	22° 17.015' N 113° 55.978' E	49.65
5	S	22° 17.006' N 113° 55.988' E	14.39 48.53 49.93 51.91 52.25
1	S	22° 17.005' N 113° 55.990' E	14.82
1	S	22° 17.007' N 113° 55.992' E	51.83
1	S	22° 17.012' N 113° 55.994' E	11.67
1	S	22° 17.024' N 113° 55.981' E	44.22
2	M	22° 17.039' N 113° 55.974' E	52.9 77.3
8	M	22° 17.088' N 113° 56.047' E	31.61 33.5 48.06 48.91 50.93 55.37 64.99 72.09
1	M	22° 17.087' N 113° 56.049' E	47.41
1	M	22° 17.083' N 113° 56.052' E	51.03
1	M	22° 17.087' N 113° 56.057' E	43.94
1	M	22° 17.091' N 113° 56.061' E	59.79

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

Table 3.1 (Cont'd). Record of horseshoe crab survey in every sampling zone.

Ind. #	Sub.	GPS coordinate	Record of prosomal width (mm)
<u>Sampling site TC2 (Search hour = 2 hrs)</u>			
<i>Carcinoscorpius rotundicauda</i>			
1	S	22° 16.905' N 113° 55.859' E	36.19
<u>Sampling site TC3 (Search hour = 2 hrs)</u>			
<i>Carcinoscorpius rotundicauda</i>			
1	S	22° 16.962' N 113° 55.693' E	33.23
4	S	22° 16.947' N 113° 55.705' E	16.2 16.72 20.75 23.06
2	S	22° 16.952' N 113° 55.718' E	15.42 24.47
4	S	22° 16.971' N 113° 55.680' E	11.78 14.92 21.55 24.17
1	S	22° 16.986' N 113° 55.652' E	31.22
1	S	22° 16.952' N 113° 55.669' E	16.58
1	S	22° 16.976' N 113° 55.649' E	10.67
3	S	22° 17.005' N 113° 55.654' E	31.89 34.64 48.73
1	S	22° 17.089' N 113° 55.577' E	50.17
3	S	22° 17.064' N 113° 55.615' E	27.68 51.09 52.1
1	M	22° 17.044' N 113° 55.632' E	49.15

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

Table 3.1 (Cont'd). Record of horseshoe crab survey in every sampling zone.

Ind. #	Sub.	GPS coordinate	Record of prosomal width (mm)
<u>Sampling site TC3 (Search hour = 2 hrs)</u>			
<i>Tachypleus tridentatus</i>			
2	S	22° 17.087' N 113° 55.578' E	40.53 41.6
2	S	22° 17.076' N 113° 55.606' E	36.92 45.93
3	S	22° 17.065' N 113° 55.614' E	28.14 34.52 51.77
3	M	22° 17.050' N 113° 55.628' E	47.58 52.37 65.66
1	S	22° 17.025' N 113° 55.638' E	36.24

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

Table 3.1 (Cont'd). Record of horseshoe crab survey in every sampling zone.

Ind. #	Sub.	GPS coordinate	Record of prosomal width (mm)			
Sampling site ST (Search hour = 3 hrs)						
<i>Carcinoscorpius rotundicauda</i>						
3	S	22° 17.369' N 113° 55.481' E	42.75	51.78	55.9	
1	S	22° 17.255' N 113° 55.512' E	52.3			
4	S	22° 17.239' N 113° 55.497' E	44.11	46.16	50.6	60.15
1	S	22° 17.226' N 113° 55.497' E	20.73			
4	S	22° 17.216' N 113° 55.484' E	43.97	47.44	66.94	70.52
1	S	22° 17.210' N 113° 55.480' E	47.86			
3	S	22° 17.189' N 113° 55.492' E	44.91	47.23	58.67	
1	S	22° 17.190' N 113° 55.478' E	49.23			
2	S	22° 17.187' N 113° 55.475' E	50.99	61.91		
4	S	22° 17.173' N 113° 55.494' E	46.01	46.47	46.6	50.06
2	S	22° 17.147' N 113° 55.509' E	32.3	48.74		
3	M	22° 17.137' N 113° 55.530' E	62.38	82.89	84.84	
1	M	22° 17.104' N 113° 55.557' E	59.61			

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

Table 3.1 (Cont'd). Record of horseshoe crab survey in every sampling zone.

Ind. #	Sub.	GPS coordinate	Record of prosomal width (mm)
Sampling site ST (Search hour = 3 hrs)			
<i>Tachypleus tridentatus</i>			
1	S	22° 17.385' N 113° 55.459' E	48.52
1	S	22° 17.370' N 113° 55.481' E	58.35
1	S	22° 17.245' N 113° 55.513' E	53.61
2	S	22° 17.226' N 113° 55.495' E	42.51 43.18
5	S	22° 17.216' N 113° 55.483' E	57.56 64.71 66.71 68.62 69.75
4	S	22° 17.211' N 113° 55.480' E	48.18 51.22 51.22 69.65
3	S	22° 17.189' N 113° 55.492' E	65.08 65.15 68.5
1	S	22° 17.190' N 113° 55.480' E	73.08
1	S	22° 17.188' N 113° 55.480' E	65
1	S	22° 17.172' N 113° 55.492' E	54.84
1	S	22° 17.161' N 113° 55.482' E	56.94
8	S	22° 17.151' N 113° 55.499' E	37.97 40.66 43.62 45.91 50.79 51.6 52.5 56.19
4	S	22° 17.143' N 113° 55.510' E	39.45 39.59 54.34 57.62
1	S	22° 17.135' N 113° 55.511' E	30.46

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

Table 3.1 (Cont'd). Record of horseshoe crab survey in every sampling zone.

Ind. #	Sub.	GPS coordinate	Record of prosomal width (mm)
Sampling site ST (Search hour = 3 hrs)			
<i>Tachypleus tridentatus</i>			
2	M	22° 17.136' N 113° 55.527' E	54.72 60.53
4	M	22° 17.125' N 113° 55.544' E	28.83 39.44 39.67 39.71
1	M	22° 17.109' N 113° 55.555' E	40.81
1	M	22° 17.100' N 113° 55.558' E	40.89
2	M	22° 17.096' N 113° 55.565' E	40.12 41.25

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

Table 3.2. Summary of horseshoe crab survey in every sampling zone.

	TC1	TC2	TC3	ST
Search duration (hr)	2	2	2	3
<i>Carcinoscorpius rotundicauda</i>				
no. of individuals	24	1	22	30
mean prosomal width (mm)	46.96	36.19	28.46	52.47
max. prosomal width (mm)	77.30	36.19	52.10	84.84
min. prosomal width (mm)	11.67	36.19	10.67	20.73
Search record (ind. hr-1 person-1)	6.0	0.3	5.5	5.0
<i>Tachypleus tridentatus</i>				
no. of individuals			11	44
mean prosomal width (mm)			43.75	51.57
max. prosomal width (mm)	N.A.	N.A.	65.66	73.08
min. prosomal width (mm)			28.14	28.83
Search record (ind. hr-1 person-1)			2.8	7.3

TC1 *Carcinoscorpius rotundicauda*



TC2 *Carcinoscorpius rotundicauda*



TC3 *Carcinoscorpius rotundicauda*



Figure 3.1. Examples of photographic records of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* (13 & 16 Jun. 2014)

TC3 *Tachypleus tridentatus*



ST *Carcinoscorpius rotundicauda*



ST *Tachypleus tridentatus*

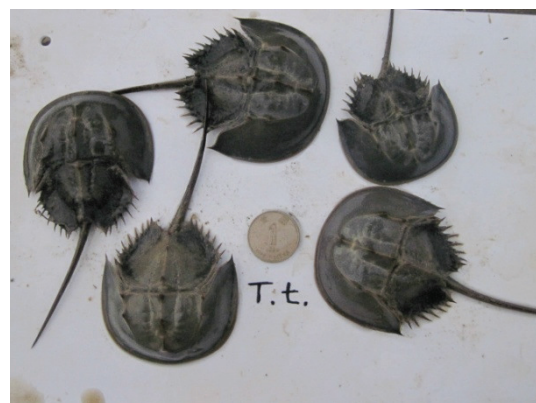


Figure 3.1 (Cont'd). Examples of photographic records of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* (13 & 16 Jun. 2014)

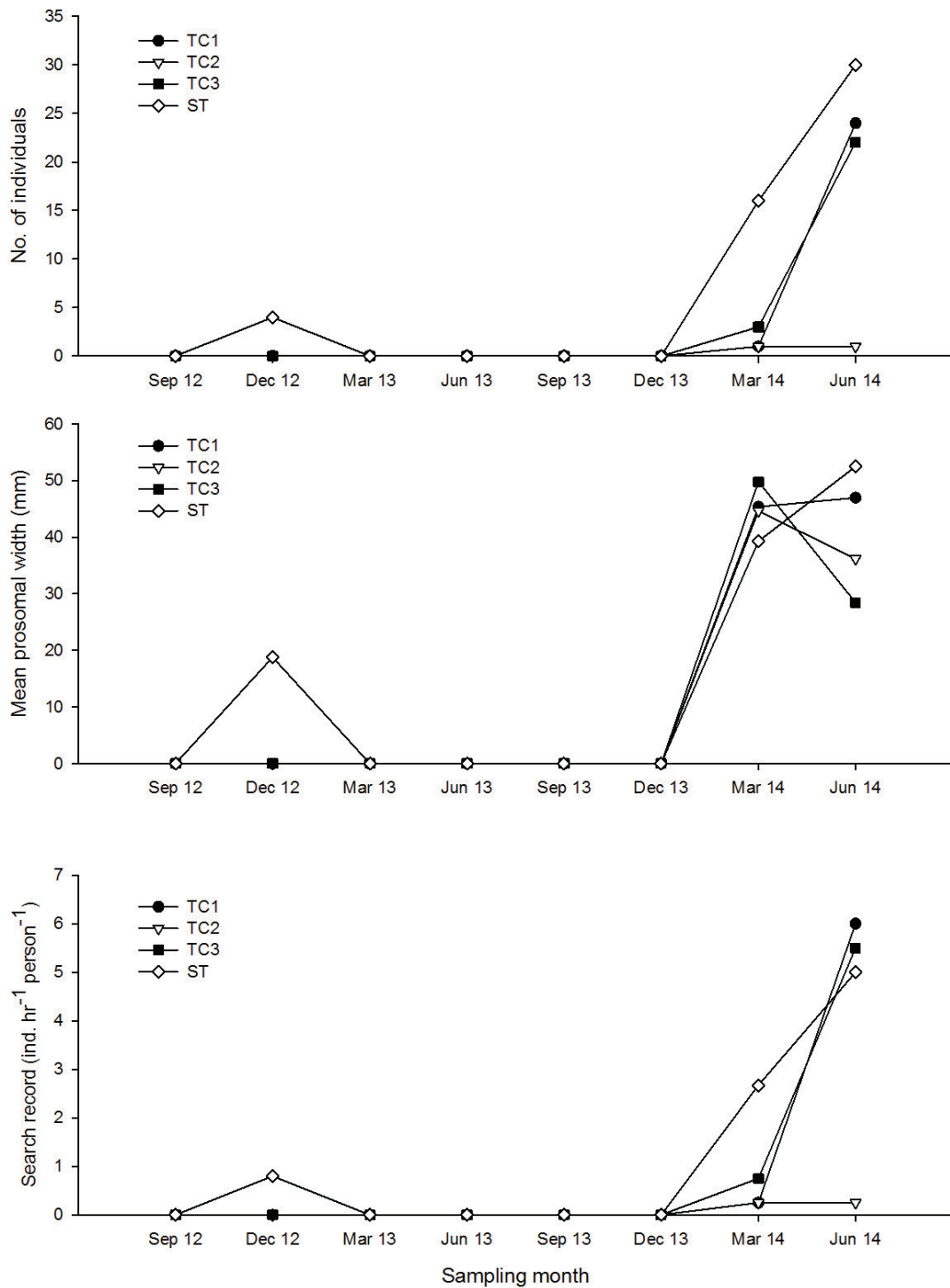


Figure 3.2. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Carcinoscorpius rotundicauda* in every sampling zones along the sampling months.

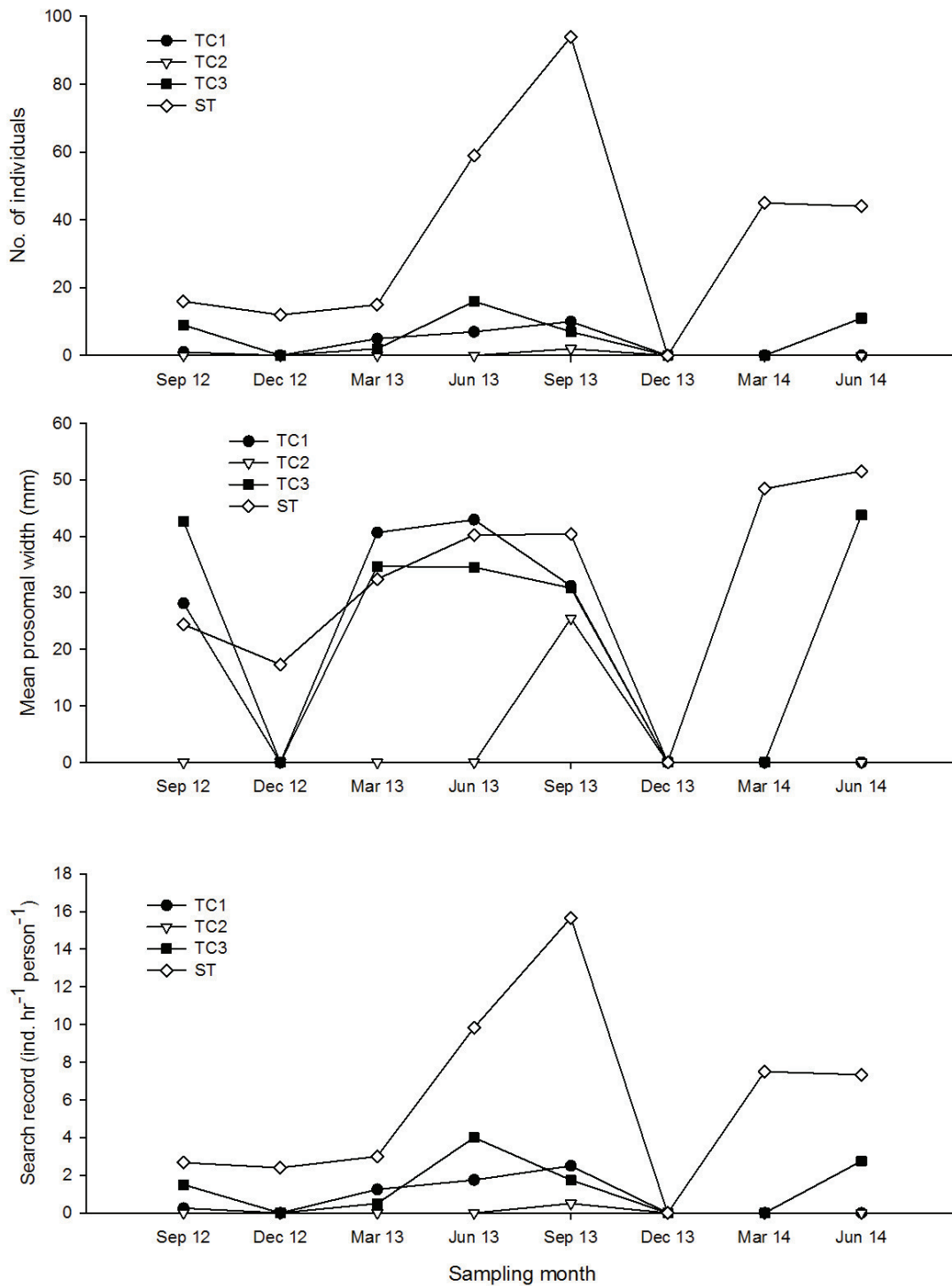


Figure 3.3. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* in every sampling zones along the sampling months.

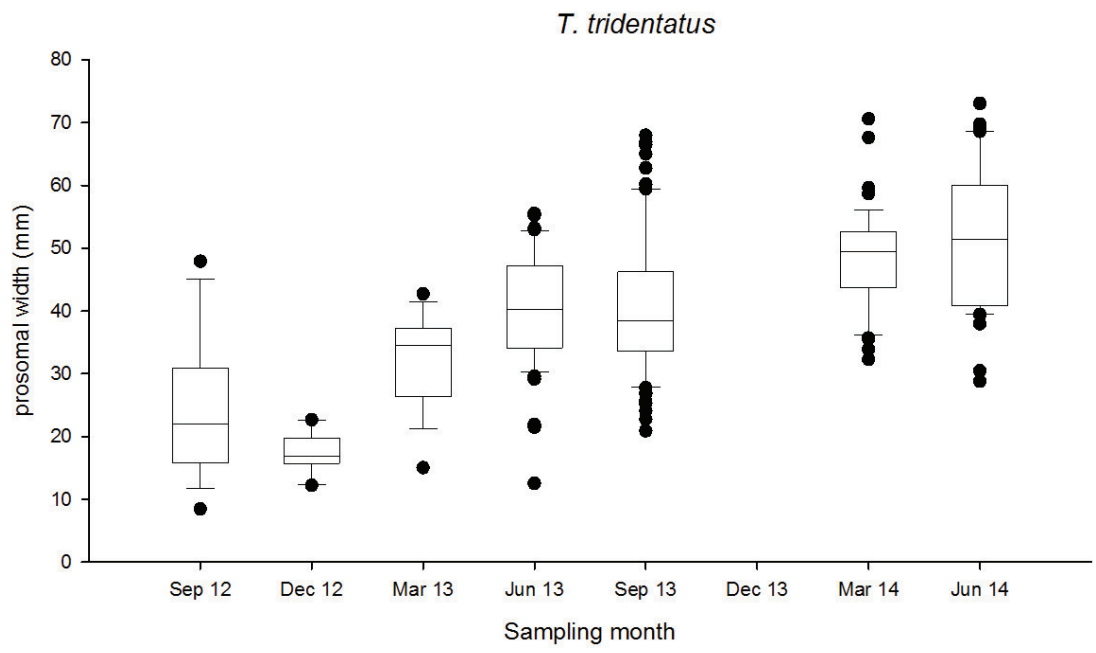
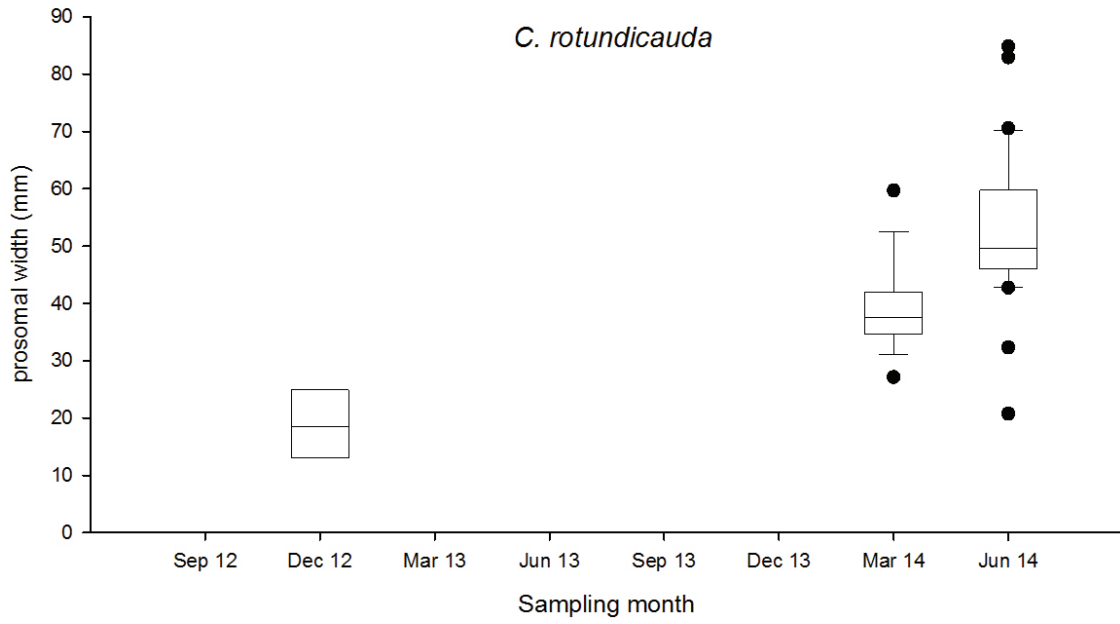


Figure 3.4. Box plot of prosomal width of horseshoe crab in the sampling zone ST along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively. The black circle dots showed the data of outlier.)

Table 3.3. Record of seagrass beds survey in every sampling zone

Estimated area (m ²)	Estimated coverage (%)	GPS coordinate	Remark
TC1 (search hour = 2 hrs) & TC2 (search hour = 2 hrs) & TC3 (search hour = 2 hrs)			
No record			
ST (search hour = 3 hrs) <i>Halophila ovalis</i>			
404.4	90	22° 17.208' N 113° 55.474' E Horizontal ends 22° 17.196' N 113° 55.472' E	-- A large patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
65.3	70-80	22° 17.213' N 113° 55.476' E Horizontal ends 22° 17.204' N 113° 55.480' E	-- A medium patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
1116.3	60-80	22° 17.182' N 113° 55.474' E Vertical ends 22° 17.182' N 113° 55.489' E Horizontal ends 22° 17.192' N 113° 55.476' E 22° 17.169' N 113° 55.479' E	-- A large area of seagrass bed in patchy distribution on soft mud between 0.5 and 1.5 m above C.D.
2442.6	40-60	22° 17.171' N 113° 55.498' E Vertical ends 22° 17.152' N 113° 55.497' E Horizontal ends 22° 17.163' N 113° 55.481' E 22° 17.160' N 113° 55.521' E	-- A large area of seagrass bed in patchy distribution on soft mud between 0.5 and 1.5 m above C.D.

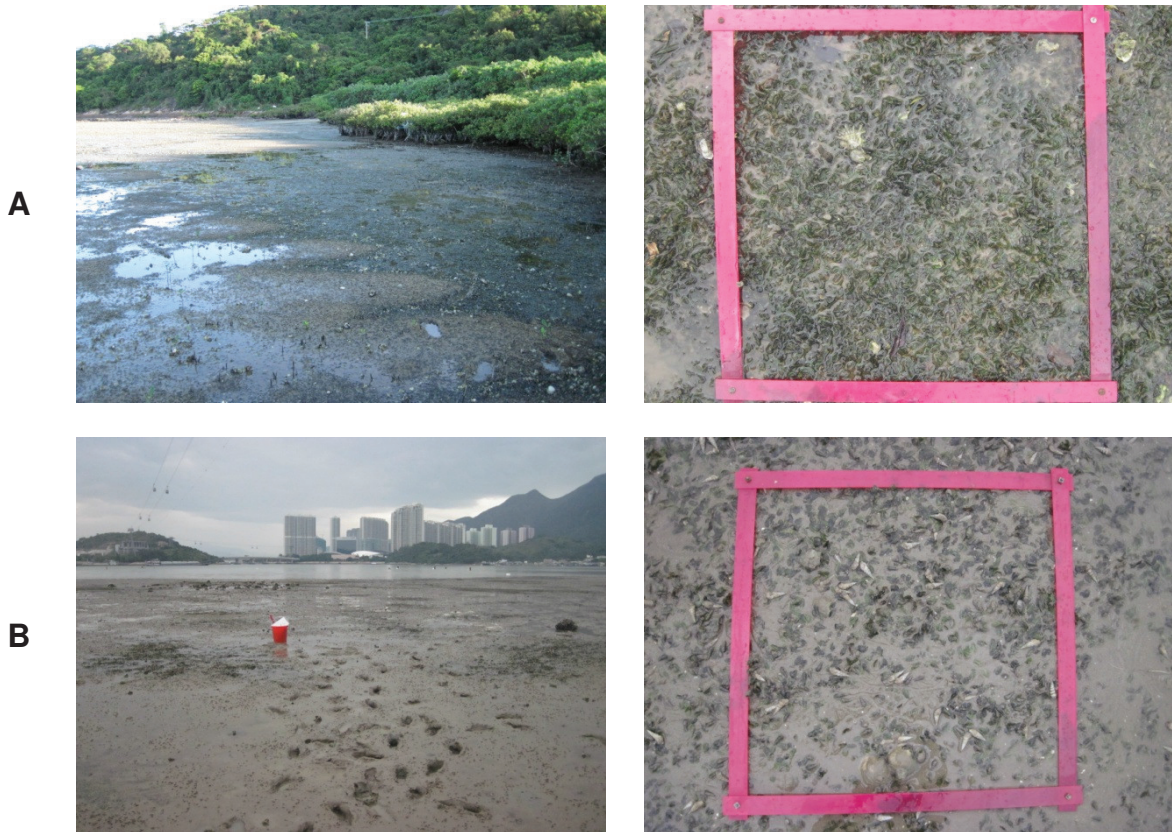
Table 3.3 (Cont'd). Record of seagrass beds survey in every sampling zone

Estimated area (m ²)	Estimated coverage (%)	GPS coordinate	Remark
ST (search hour = 3 hrs) <i>Halophila ovalis</i>			
2227.4	70-80	22° 17.140' N 113° 55.516' E	-- A large area of seagrass bed in patchy distribution on soft mud between 0.5
		22° 17.154' N 113° 55.542' E	and 1.5 m above C.D.
		22° 17.129' N 113° 55.530' E	--
		22° 17.152' N 113° 55.529' E	--
1373.4	40-50	22° 17.109' N 113° 55.552' E	-- A large area of seagrass bed in patchy distribution on soft mud between 0.5
		22° 17.113' N 113° 55.566' E	and 1.5 m above C.D.
		22° 17.118' N 113° 55.549' E	--
		22° 17.093' N 113° 55.566' E	--
ST (search hour = 3 hrs) <i>Zostera japonica</i>			
0.5	60	22° 17.209' N 113° 55.474' E	A small patch grown in the co-inhabiting another seagrass species <i>Halophila ovalis</i>
25.7	85	22° 17.205' N 113° 55.472' E	A small patch grown in the co-inhabiting another seagrass species <i>Halophila ovalis</i>
15.2	40	22° 17.214' N 113° 55.476' E	A small patch grown in the co-inhabiting another seagrass species <i>Halophila ovalis</i>

Table 3.4. *Summary of seagrass survey in sampling zone ST.*

Summary	<i>Halophila ovalis</i>	<i>Zostera japonica</i>
no. of patches	6	3
Total area (m²)	7629.4	41.32
Average area (m²)	1271.57	13.77

Halophila ovalis



Zostera japonica



Figure 3.5. Examples of photographic records of seagrass beds survey in ST (13 Jun. 2014)



Figure 3.6. *Photographic records of flower of seagrass bed Halophila ovalis (18 Dec. 2013)*

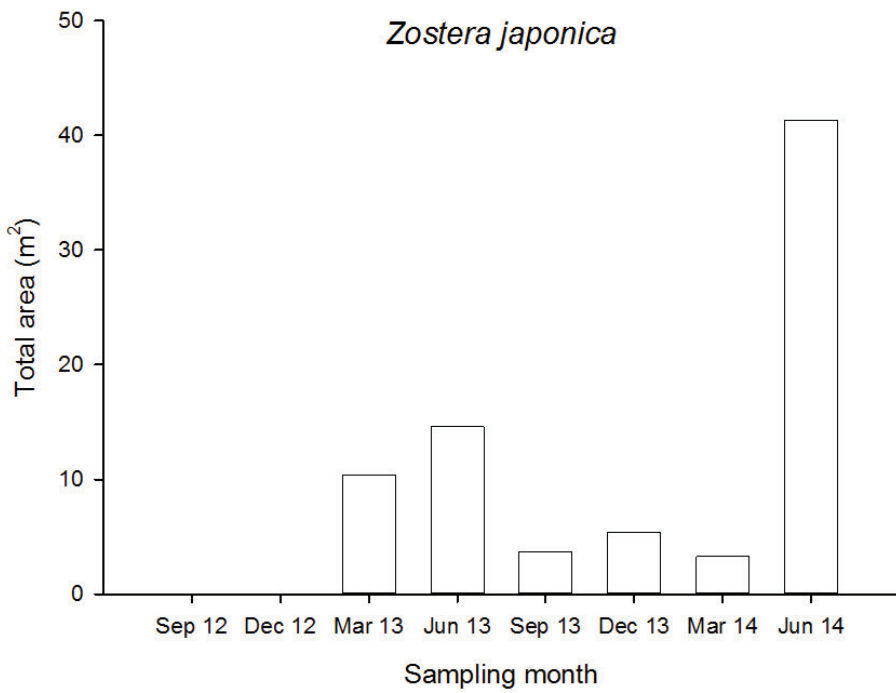
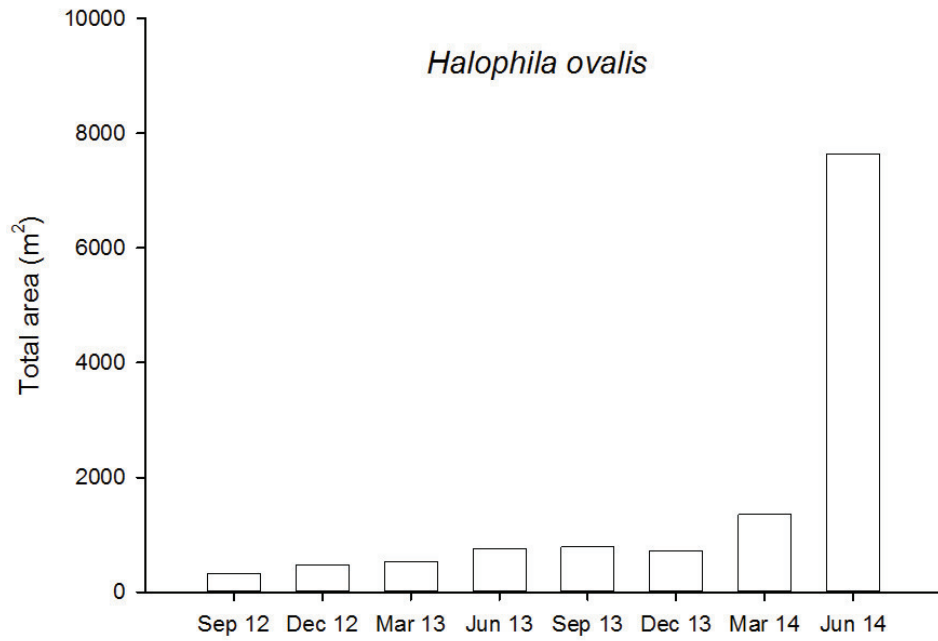


Figure 3.7. Changes of estimated total area of seagrass beds in ST along the sampling months

Table 3.5. *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	50	50	
	M	90	10	
	L	20	20	60
TC2	H	10	60	30
	M	30	30	40
	L		30	70
TC3	H		100	
	M		60	40
	L	80		20
ST	H	100		
	M	100		
	L	20	20	60

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

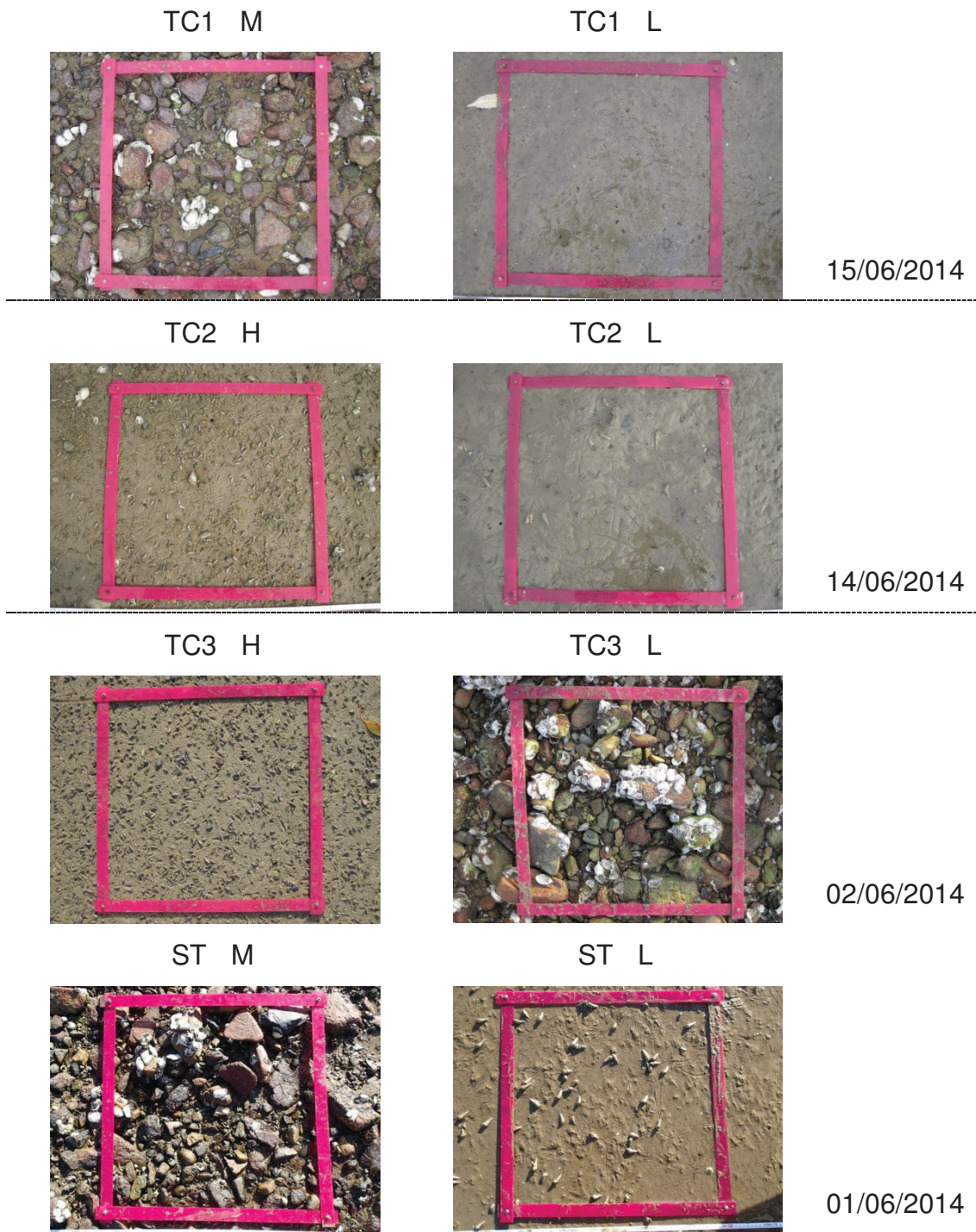


Figure 3.8. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

Table 3.6. Total abundance, density and number of taxon of every phylum

Phylum	Total Abundance	%	Density (ind. m ⁻²)	Number of taxon
<i>Jun 2014</i>				
Mollusca	17439	97.4	581	45
Arthropoda	210	1.2	7	15
Annelida	160	0.9	5	11
Cnidaria	39	0.2	1	1
Sipuncula	27	0.2	1	1
Echinodermata	10	0.1	0	2
Nemertea	10	0.1	0	1
Chordata	1	0.0	0	1
Total	17896			

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 3.7. 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	39	1.0	5	76	2.3	10	31	0.5	4	14	0.4	2
Arthropoda	58	1.4	8	74	2.2	10	51	0.8	7	27	0.7	4
Chordata				1	0.0	0						
Cnidaria	4	0.1	1	1	0.0	0				34	0.9	5
Echinodermata	3	0.1	0	6	0.2	1	1	0.0	0			
Mollusca	3889	97.1	519	3191	95.1	425	6625	98.7	883	3734	97.7	498
Nemertea	4	0.1	1	1	0.0	0	3	0.0	0	2	0.1	0
Sipuncula	8	0.2	1	5	0.1	1	2	0.0	0	12	0.3	2
Sub-total	4005			3355			6713			3823		

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 3.8. 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>	323	63	63
	G	<i>Cerithidea cingulata</i>	79	15	78
Mid	G	<i>Batillaria multiformis</i>	321	49	49
	G	<i>Cerithidea djadjarjensis</i>	110	17	66
	G	<i>Monodonta labio</i>	74	11	77
Low	G	<i>Batillaria zonalis</i>	75	17	17
	Bi	<i>Saccostrea cucullata</i>	68	16	33
	G	<i>Cerithidea djadjarjensis</i>	64	15	48

Bi = Bivalve, G = Gastropod

Table 3.8 (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>	363	52	52
	G	<i>Cerithidea cingulata</i>	210	30	83
Mid	G	<i>Cerithidea djadjariensis</i>	126	32	32
	Bi	<i>Saccostrea cucullata</i>	72	18	50
	G	<i>Batillaria zonalis</i>	41	10	60
Low	G	<i>Cerithidea djadjariensis</i>	135	53	53
	G	<i>Batillaria zonalis</i>	44	18	71

Bi = Bivalve, G = Gastropod

Table 3.8 (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>	810	62	62
	G	<i>Cerithidea djadjariensis</i>	302	23	85
	G	<i>Cerithidea cingulata</i>	144	11	96
Mid	G	<i>Cerithidea djadjariensis</i>	284	47	47
	G	<i>Cerithidea cingulata</i>	172	29	76
	G	<i>Batillaria multiformis</i>	62	10	86
Low	Bi	<i>Saccostrea cucullata</i>	212	27	27
	G	<i>Batillaria multiformis</i>	206	27	54
	G	<i>Monodonta labio</i>	168	22	75

Bi = Bivalve, G = Gastropod

Table 3.8 (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>Batillaria multiformis</i>	332	50	50
		G	<i>Monodonta labio</i>	83	12	62
		Bi	<i>Saccostrea cucullata</i>	77	12	74
Mid		G	<i>Monodonta labio</i>	134	21	21
		Bi	<i>Saccostrea cucullata</i>	131	21	42
		G	<i>Batillaria multiformis</i>	97	15	58
		G	<i>Cellana toreuma</i>	88	14	72
Low		G	<i>Cerithidea djadjarjensis</i>	55	23	23
		G	<i>Batillaria zonalis</i>	51	22	45
		Bi	<i>Saccostrea cucullata</i>	43	18	63
		G	<i>Batillaria bornii</i>	25	11	74

Bi = Bivalve, G = Gastropod

Table 3.9. Mean values of number of species, 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 number of species (spp. 0.25 m ⁻²)	Mean density (ind. m ⁻²)	Mean H'	Mean H' across tidal level	Mean J	Mean J across tidal level
TC1	H	9	516	1.04	1.35	0.48	0.57
	M	11	655	1.33			
	L	13	431	1.67			
TC2	H	9	692	1.13	1.39	0.55	0.62
	M	12	397	1.72			
	L	9	253	1.32			
TC3	H	9	1309	0.95	1.22	0.46	0.55
	M	9	600	1.31			
	L	11	776	1.40			
ST	H	12	665	1.56	1.60	0.64	0.66
	M	14	628	1.89			
	L	9	236	1.34			

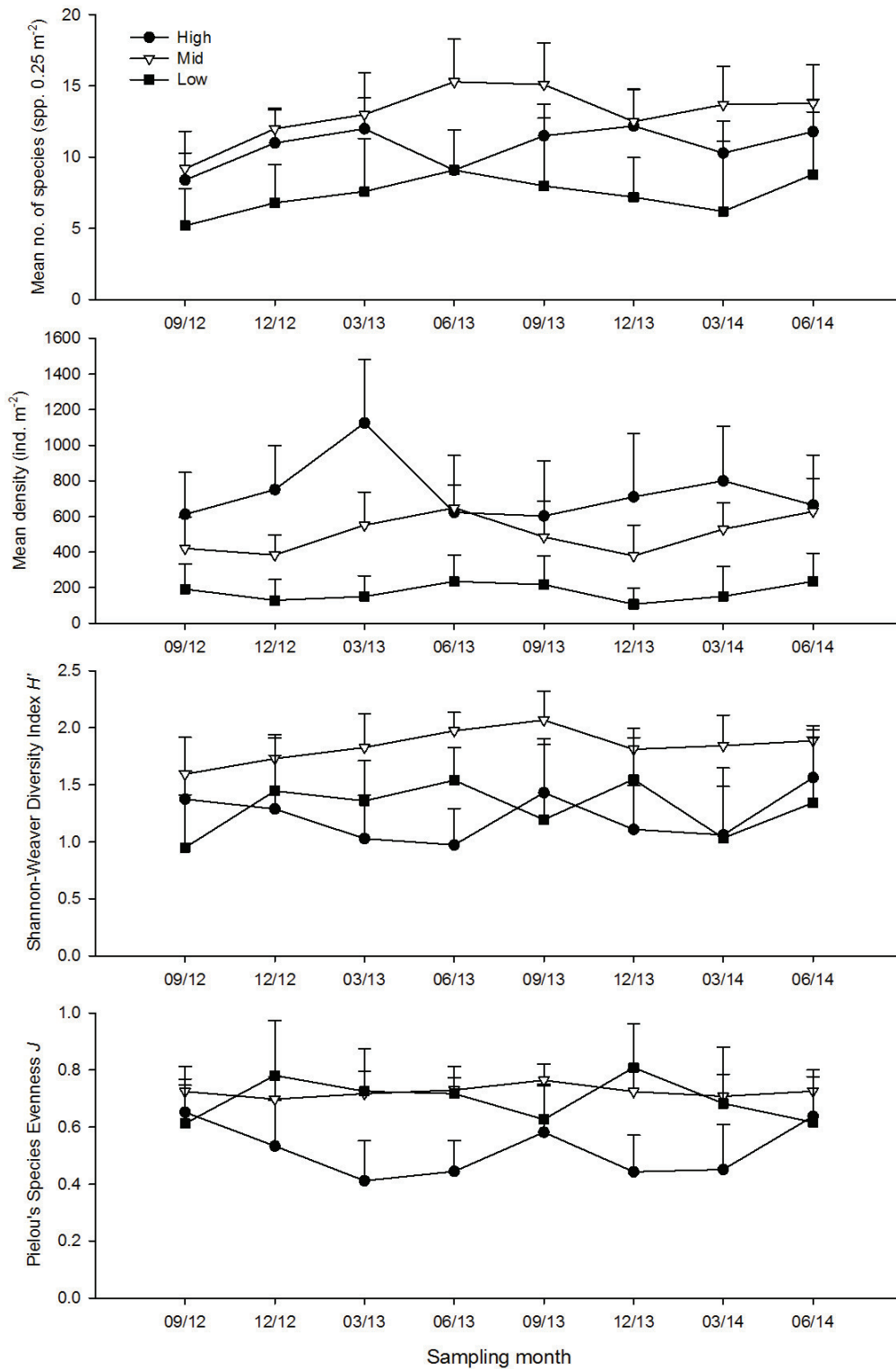


Figure 3.9. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC1

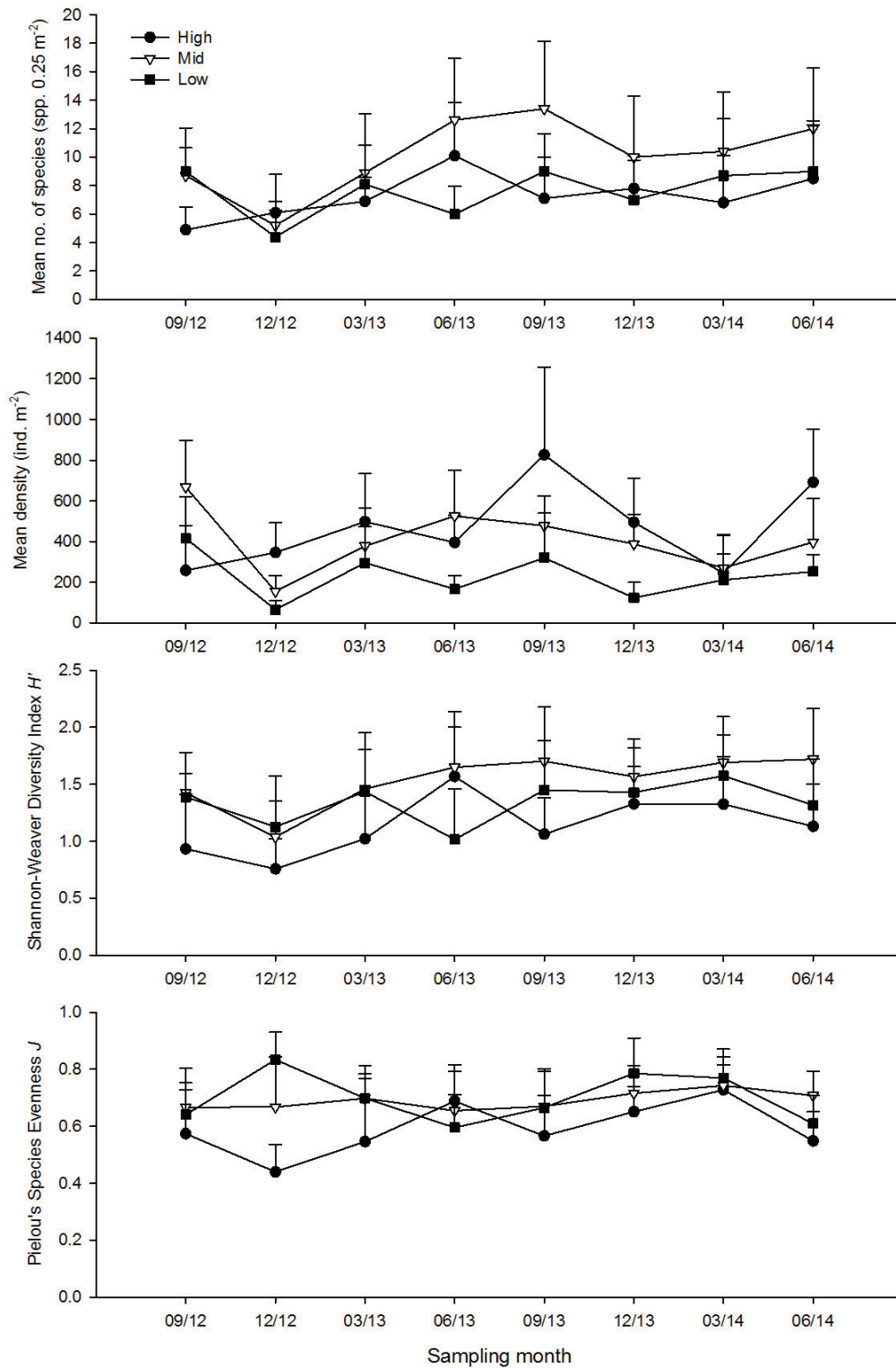


Figure 3.10. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC2

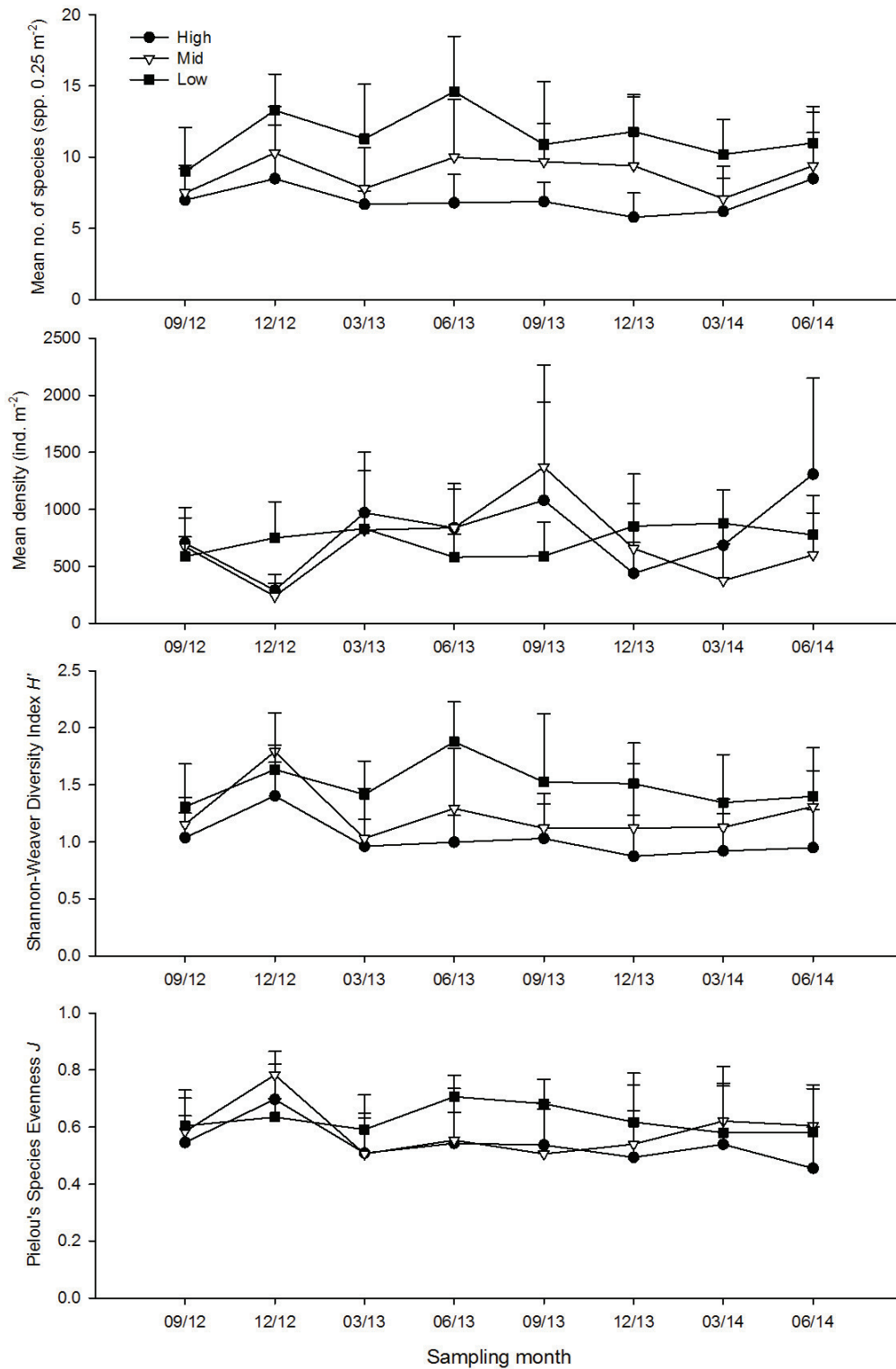


Figure 3.11. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC3

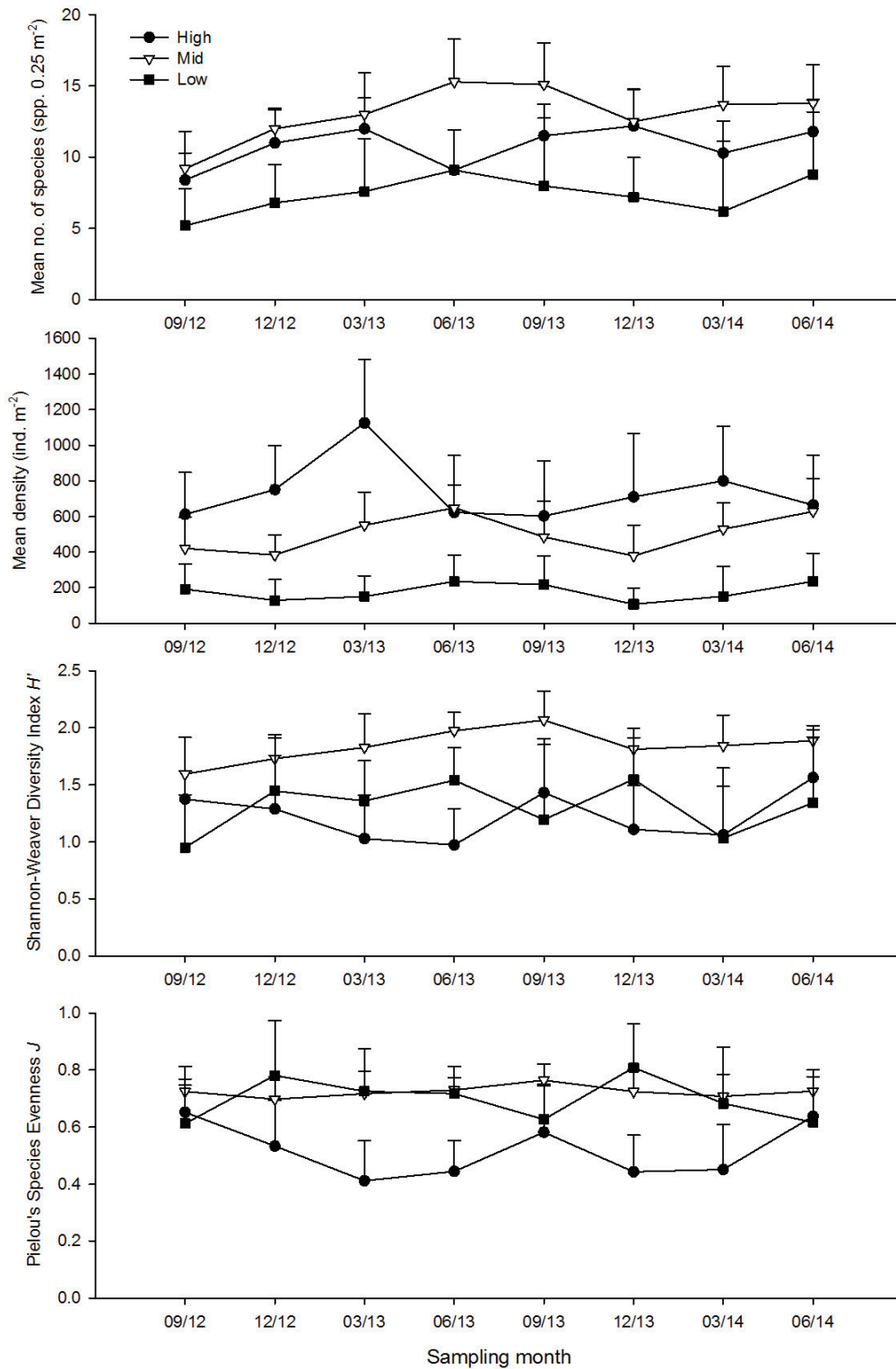


Figure 3.12. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone ST

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Annex II Taxonomic resolution of every recorded species of intertidal soft shore community survey

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Annelida	Clitellata			Marine oligochaete spp.
Animalia	Annelida	Polychaeta	Eunicida	Onuphidae	Onuphidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Goniadidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae spp.
Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Oweniidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinariidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Annelida	Polychaeta		Opheliidae	<i>Ophelina acuminata</i>
Animalia	Arthropoda	Merostomata	Xiphosurida	Limulidae	<i>Carcinoscorpius rotundicauda</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Penaeidae	<i>Penaeus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	<i>Clibanarius</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	<i>Diogenes</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	<i>Pagurus dubius</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus erato</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus</i> sp.
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	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	Malacostraca	Decapoda	Grapsidae	<i>Metopograpsus latifrons</i>
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	<i>Balanus amphitrite</i>
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	Unidentified goby spp.
Animalia	Cnidaria				Sea anemone spp.
Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	<i>Amphiura</i> sp.
Animalia	Echinodermata	Holothuroidea			Sea cucumber spp.
Animalia	Mollusca	Bivalvia	Anomalodesmata	Laternulidae	<i>Laternula anatina</i>
Animalia	Mollusca	Bivalvia	Veneroida	Corbiculidae	<i>Geloina erosa</i>
Animalia	Mollusca	Bivalvia	Veneroida	Mesodesmatidae	<i>Atactodea striata</i>

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

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	<i>Macoma murrayana</i>
Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	<i>Tellina psammotella</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	Bivalvia	Arcoida	Arcidae	<i>Barbatia signata</i>
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Barbatia virescens</i>
Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	<i>Xenostrobus atrata</i>
Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	<i>Saccostrea cucullata</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	Planaxidae	<i>Planaxis sulcatus</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea cingulata</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea djadjariensis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea rhizophorarum</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Terebralia sulcata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoria melanostoma</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraria articulata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Naticidae	<i>Natica</i> sp.
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>
Animalia	Mollusca	Gastropoda	Systellommatophora	Onchidiidae	<i>Onchidium</i> sp.
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		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>

Annex II (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	Neogastropoda	Nassariidae	<i>Nassarius hepaticus</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	<i>Nassarius</i> sp.
Animalia	Mollusca	Gastropoda		Trochidae	<i>Euchelus scaber</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Monodonta labio</i>
Animalia	Mollusca	Gastropoda		Turbinidae	<i>Chlorostoma argyrostoma</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>Sipunculus nudus</i>

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

Jun 2014	Sampling zone	TC 1	High tidal level (2.0 m above C.D.)										sub-total			
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Bi	<i>Geloina erosa</i>	1												1		3
Bi	<i>Saccostrea cucullata</i>	2	3	1		3						1		1		17
Bi	<i>Xenostrobus atrata</i>					1										2
C	<i>Hemigrapsus penicillatus</i>		1	1												3
C	<i>Macrophthalmus</i> sp.					1										1
C	<i>Nanosesarma minutum</i>					1										1
C	<i>Uca lactea</i>					3	1	3				1				8
C	<i>Uca</i> sp.			1							1					2
Ec	Sea cucumber spp.									1						2
G	<i>Batillaria multiformis</i>	134	4	76		111		88		10		71		152		807
G	<i>Batillaria zonalis</i>	6														6
G	<i>Cellana toreuma</i>					1										1
G	<i>Cerithidea cingulata</i>	37	125	3				6				22				197
G	<i>Cerithidea djadjariensis</i>	15	15	5		2		1				2		27		98
G	<i>Cerithidea rhizophorarum</i>		1	1				1		2		1		2		9
G	<i>Clithon faba</i>	7	15											1		23
G	<i>Clithon oualaniensis</i>	6	2			1						2		2		24
G	<i>Littoraria melanostoma</i>					2				1						3
G	<i>Littoraria articulata</i>					7		2		2		1		1		19

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

Jun 2014	Sampling zone	TC 1	Mid tidal level (1.5 m above C.D.)										sub-total			
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	<i>Balanus amphitrite</i>	1														1
Bi	<i>Barbatia signata</i>							1								1
Bi	<i>Saccostrea cucullata</i>	22	2	14	8	6	6	12	22	5	34					155
Bi	<i>Xenostrobus atrata</i>				3					2	5					14
C	<i>Hemigrapsus penicillatus</i>				1				2	1						5
C	<i>Nanosesarma minutum</i>							1	1							4
Ec	Sea cucumber spp.															1
G	<i>Batillaria multiformis</i>	25	6	66	114	82	178	122	67	85						803
G	<i>Batillaria zonalis</i>		2													2
G	<i>Cellana toreuma</i>	3		1	1			4	2	1						12
G	<i>Cerithidea cingulata</i>	48	23	8	1	1		2	4	4						92
G	<i>Cerithidea djadjariensis</i>	65	100	32	5	2		18	20	27						276
G	<i>Cerithidea rhizophorarum</i>	2	1	4				1	7	3						19
G	<i>Clithon faba</i>	1							3	6						10
G	<i>Clithon oualaniensis</i>	2	4	3	1	3		2	3	4						22
G	<i>Littoraria articulata</i>	4			2	2	4	1	1	8						25
G	<i>Lunella coronata</i>	1	1													3
G	<i>Monodonta labio</i>	11	1	11	15	12	22	49	13	31						184
G	<i>Nassarius festivus</i>		1													2

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

Jun 2014	Sampling zone	TC 1	Mid tidal level (1.5 m above C.D.)										sub-total			
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	<i>Patelloida pygmaea</i>	1										1				2
G	<i>Terebralia sulcata</i>													1		1
Hc	<i>Pagurus dubius</i>													2		2
P	Ampharetidae spp.				1											1
Sp	<i>Sipunculus nudus</i>											1				1
Total															1638	

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

Jun 2014		Sampling zone TC 1										Low tidal level (1.0 m above C.D.)				
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	<i>Balanus amphitrite</i>															1
Bi	<i>Barbatia signata</i>	9		6								18		9		42
Bi	<i>Barbatia virescens</i>	3		4				1				4		11		23
Bi	<i>Circe</i> sp.					1				3						4
Bi	<i>Macoma murrayana</i>							1								2
Bi	<i>Ruditapes philippinarum</i>													1		1
Bi	<i>Saccostrea cucullata</i>	51		49				3				16		50		169
Bi	<i>Tellina</i> sp.									1						1
Bi	<i>Xenostrobus atrata</i>	16		29										3		48
C	<i>Hemigrapsus penicillatus</i>			2				1				1		1		5
C	<i>Macrophthalmus</i> sp.													1		1
C	<i>Metopograpsus latifrons</i>											2				2
C	<i>Nanosesarma minutum</i>	1		1								8		6		16
C	<i>Uca lactea</i>			2												2
Cn	Sea anemone spp.			1								2		1		4
G	<i>Batillaria bornii</i>	3												1		4
G	<i>Batillaria multiformis</i>	9		21	3	2	1	7		2	2	14	2	2	3	86
G	<i>Batillaria zonalis</i>	2		25	3	6		57	2	36	1	34	1	15	6	188
G	<i>Cellana toreuma</i>	2		3										8		13

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

Jun 2014		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	C	sub-total
G	<i>Cerithidea cingulata</i>	2	2	2					55				61
G	<i>Cerithidea djadjariensis</i>	5	95	39	1			14	6				160
G	<i>Cerithidea rhizophorarum</i>			1									1
G	<i>Clithon oualaniensis</i>							1	3		2		6
G	<i>Euchelus scaber</i>									1	2		3
G	<i>Lunella coronata</i>	12		7					9	6	28		62
G	<i>Monodonta labio</i>			3					1	19	51		74
G	<i>Nassarius festivus</i>			1	2	1		2					6
G	<i>Nassarius hepaticus</i>			1			1	1					4
G	<i>Nassarius sp.</i>												1
G	<i>Nerita polita</i>	1								4	4		9
G	<i>Patelloida pygmaea</i>								1	11	4		16
G	<i>Pisania ignea</i>						1			2	3		6
G	<i>Thais luteostoma</i>	1								6			7
Hc	<i>Cilbanarius sp.</i>								1				1
Ne	Nemertea spp.						1			2			4
P	Ampharetidae spp.			1				1					3
P	Maldanidae spp.					6	4	1					11
P	Nereididae spp.			1		1	2	2					6

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

Jun 2014	Sampling zone	TC 1	Low tidal level (1.0 m above C.D.)										sub-total									
Gp	Taxon	1	2	3	4	5	6	7	8	9	10	C	C	C	C	C	C	C	C	C	sub-total	
P	Onuphidae spp.	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	17	
Sp	<i>Sipunculus nudus</i>	4				5			8			1		2			1		3		7	
		Total																				1077

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

Jun 2014	Sampling zone	TC 2	High tidal level (2.0 m above C.D.)										sub-total		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	C	sub-total
Ba	<i>Balanus amphitrite</i>	3												10	4
Bi	<i>Barbatia virescens</i>													2	2
Bi	<i>Circe</i> sp.			1											1
Bi	<i>Saccostrea cucullata</i>	1		9				6		14				26	69
Bi	<i>Tellina psammotella</i>			1											1
Bi	<i>Xenostrobus atrata</i>												3		3
C	<i>Hemigrapsus penicillatus</i>												3		3
C	<i>Scylla serrata</i>					1									1
C	<i>Uca lactea</i>							2							3
Cn	Sea anemone spp.							1						1	1
G	<i>Batillaria bornii</i>											1			2
G	<i>Batillaria multiformis</i>			2		7	1	3		20	7	17	3	17	89
G	<i>Batillaria zonalis</i>							4	1	4		11	1	8	39
G	<i>Cellana toreuma</i>											1			1
G	<i>Cerithidea cingulata</i>	31		12		15		89	12	24		144	8	63	524
G	<i>Cerithidea djadjariensis</i>	131		40		118		82	5	74	1	77	1	106	907
G	<i>Cerithidea rhizophorarum</i>	2		1		3				2		1		3	23
G	<i>Clithon oualaniensis</i>					1						6		7	27
G	<i>Littoraria articulata</i>													1	1

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

Jun 2014		High tidal level (2.0 m above C.D.)										C	sub-total	
Sampling zone	TC 2	1	2	3	4	5	6	7	8	9	10			
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Monodonta labio</i>								1	2	2	2		5
G	<i>Nassarius festivus</i>	2							2	3	3	3		10
G	<i>Nerita polita</i>			2						1	1	1		5
G	<i>Terebralia sulcata</i>	2												2
P	Ampharetidae spp.			2		1			2					5
P	Malanidae spp.					1					1			2
													Total	1730

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

Jun 2014		Mid tidal level (1.5 m above C.D.)																							
Sampling zone TC 2		1		2		3		4		5		6		7		8		9		10		C sub-total			
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C		
G	<i>Cerithidea rhizophorarum</i>							2																5	
G	<i>Dentalium sinuosum</i>																								1
G	<i>Euchelus scaber</i>																								1
G	<i>Lunella coronata</i>					3				4								8							36
G	<i>Monodonta labio</i>	22		7		33												19							82
G	<i>Nassarius festivus</i>							1	1	2	1	2													9
G	<i>Nerita polita</i>	1				1																			3
G	<i>Nipponacmea concinna</i>																								8
G	<i>Patelloida pygmaea</i>																								1
Hc	<i>Diogenes</i> sp.																								1
Ne	Nemertea spp.																								1
OI	Marine oligochaete spp.	1																							1
P	Ampharetidae spp.									4	1														7
P	Maldanidae spp.									4			2												9
P	Nereididae spp.												1												3
P	Onuphidae spp.																								4
P	Pectinariidae spp.																								1

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

Jun 2014	Sampling zone	TC 2	Mid tidal level (1.5 m above C.D.)										sub-total									
Gp	Taxon	1	2	3	4	5	6	7	8	9	10	C	C	C	C	C	C	C	C	C	C	sub-total
S	<i>Penaeus</i> sp.	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	2
Sp	<i>Sipunculus nudus</i>	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	4
																			Total	993		

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

Jun 2014	Sampling zone	Low tidal level (1.0 m above C.D.)										C	sub-total			
		TC 2	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	
Ba	<i>Balanus amphitrite</i>					5										5
Bi	<i>Circe</i> sp.				1											1
Bi	<i>Macoma murrayana</i>						1									1
Bi	<i>Saccostrea cucullata</i>					12		6								18
C	<i>Hemigrapsus penicillatus</i>					1			1							2
C	<i>Nanosararma minutum</i>											2				2
C	<i>Scylla serrata</i>					1										1
C	<i>Uca vocans</i>	2		26												28
Ec	<i>Amphitura</i> sp.												1			1
F	Unidentified goby spp.									1						1
G	<i>Batillaria multiformis</i>			2	3	2	1	2	4		3	8	2	1	2	30
G	<i>Batillaria zonalis</i>			2		6		1	13	10	32	1	20	1	22	111
G	<i>Cellana toreuma</i>					1										1
G	<i>Cerithidea cingulata</i>	4		2	3	2	7		4	1	1	1	1	1	1	26
G	<i>Cerithidea djadjariensis</i>	40		40	36	1	59	37	25	1	27	2	33	26	338	
G	<i>Cerithidea rhizophorarum</i>													1		2
G	<i>Euchelus scaber</i>								1							1
G	<i>Lepidozona</i> sp.					2										2
G	<i>Lunella coronata</i>					4		2	3		1					10

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

Jun 2014 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	C	Q	C	Q	C	Q	C	Q	sub-total
G	<i>Nassarius festivus</i>					1			2	1	1									5
G	<i>Pisania ignea</i>						1													1
P	Ampharetidae spp.		1		1				1						3					7
P	Glyceridae spp.									1										1
P	Maldanidae spp.		1	3	1	2	1	1	1	2										18
P	Nereididae spp.		1			1		1	2											6
P	Onuphidae spp.			1		1		2	1	3					3					12
Sp	<i>Sipunculus nudus</i>										1									1
Total																			632	

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

Jun 2014		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	C	sub-total						
Bi	<i>Barbatia virescens</i>	1								1			1						
Bi	<i>Circe</i> sp.				4	1	1	1					7						
Bi	<i>Cyclina sinensis</i>	1						1			1	1	4						
Bi	<i>Saccostrea cucullata</i>	1	6	10						16			33						
Bi	<i>Xenostrobus atrata</i>									2			2						
C	<i>Hemigrapsus penicillatus</i>		1							5			6						
C	<i>Nanosesarma minutum</i>									3			3						
C	<i>Uca lactea</i>								1				1						
C	<i>Uca</i> sp.		1	1	1			1					4						
C	<i>Uca vocans</i>										1		1						
G	<i>Batillaria multiformis</i>	31	3	97	2	388	30	317	44	523	7	1	22	2	401	9	141	6	2024
G	<i>Batillaria zonalis</i>						1												1
G	<i>Cerithidea cingulata</i>	6	87	3	33		33	11	51	51	11		77	4	33		44	1	361
G	<i>Cerithidea djadjariensis</i>	67	95		66	1	74	4	35	35	29		16	175	99		94	1	756
G	<i>Cerithidea rhizophorarum</i>	2							1	1	1			5			2		11
G	<i>Clithon faba</i>									1									1
G	<i>Clithon oualaniensis</i>		2		4		4						1				4	4	19
G	<i>Littoraria articulata</i>																	2	3
G	<i>Lunella coronata</i>																	3	3

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

Jun 2014		High tidal level (2.0 m above C.D.)												
Sampling zone TC 3		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	
G	<i>Monodonta labio</i>									4				4
G	<i>Nassarius festivus</i>				1									1
G	<i>Patelloida pygmaea</i>						2							2
G	<i>Planaxis sulcatus</i>			1										1
Hc	<i>Pagurus dubius</i>									2				2
HSc	<i>Carcinoscorpius rotundicauda</i>										1			1
Ne	<i>Nemertea</i> spp.							1						1
P	<i>Ampharetidae</i> spp.						1				4		2	7
P	<i>Maldanidae</i> spp.			1			2		1		1		1	8
P	<i>Nereididae</i> spp.						1		1					2
P	<i>Polynoidae</i> spp.									2				2
												Total	3272	

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

Jun 2014		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	C	Q	C	sub-total
Ba	<i>Balanus amphitrite</i>									1	2				3
Bi	<i>Anomalocardia squamosa</i>								1						1
Bi	<i>Barbatia signata</i>									1					1
Bi	<i>Circe</i> sp.							1							1
Bi	<i>Cyclina sinensis</i>										1				1
Bi	<i>Laternula anatina</i>												1		1
Bi	<i>Saccostrea cucullata</i>			5						11	14				30
Bi	<i>Xenostrobus atrata</i>										3				3
C	<i>Hemigrapsus penicillatus</i>									1					1
C	<i>Macrophthalmus erato</i>							1							1
C	<i>Nanosesarma minutum</i>										3				3
C	<i>Uca</i> sp.					1									2
C	<i>Uca vocans</i>						7			1	4				12
G	<i>Batillaria multiformis</i>	32	20	1	5	1	49	1	1	4	4	1	4	3	155
G	<i>Batillaria zonalis</i>	7	10	2	8	1	15	3	1	5	4	2	4		74
G	<i>Cellana grata</i>			1											1
G	<i>Cerithidea cingulata</i>	187	121	6	11	2	47	3	3	1	6	1	14	1	431
G	<i>Cerithidea djadjariensis</i>	76	92	3	114	2	103	41	1	25	2	109	81	2	710
G	<i>Cerithidea rhizophorarum</i>					2	2	1	5	1	4	6	6		21

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

Jun 2014		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	C	Q	C	Q	C	Q	C	Q	C	Q	sub-total
Ba	<i>Balanus amphitrite</i>				1			1														2
Bi	<i>Barbatia signata</i>		8			22		1					1							1		32
Bi	<i>Barbatia virescens</i>	2		1	2			1														6
Bi	<i>Saccostrea cucullata</i>	200	44	69	42	16	10	60	8	24												529
Bi	<i>Xenostrobus atrata</i>	4	10	3	2			23													14	56
C	<i>Hemigrapsus penicillatus</i>						1		1											1		3
C	<i>Metopograpsus latifrons</i>	1																				1
C	<i>Nanosesarma minutum</i>	1			1																	2
Ec	Sea cucumber spp.																					1
G	<i>Batillaria bornii</i>					1		1					1							1		3
G	<i>Batillaria multiformis</i>		6		5			42	223	131										109		516
G	<i>Batillaria zonalis</i>					15	17															32
G	<i>Cellana grata</i>									1												1
G	<i>Cellana toreuma</i>									7										8		24
G	<i>Cerithidea cingulata</i>						3		1											6		11
G	<i>Cerithidea djadjariensis</i>		1		20	76	32	2	1	4										8		144
G	<i>Cerithidea rhizophorarum</i>				2	4	7		2	2										6		23
G	<i>Cilithon oualaniensis</i>					1	2			4										1		8
G	<i>Euchelus scaber</i>												1									1

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

Jun 2014		Low tidal level (1.0 m above C.D.)																								
Sampling zone TC 3		1		2		3		4		5		6		7		8		9		10		C		sub-total		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lepidozона sp.</i>																									1
G	<i>Littoraria articulata</i>	1		2		1						17														39
G	<i>Lunella coronata</i>	18		13		6		13		1		1		1		1										61
G	<i>Monodonta labio</i>	36		48		45		7		1		96		20		65										420
G	<i>Nassarius festivus</i>									1		2														3
G	<i>Nerita polita</i>	1		4		3						1												3		12
G	<i>Patelloida pygmaea</i>											3												1		4
Hc	<i>Pagurus dubius</i>																									1
Ne	<i>Nemertea spp.</i>									1																2
P	<i>Maldanidae spp.</i>																									1
Sp	<i>Sipunculus nudus</i>																									2
																						Total		1941		

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

Jun 2014		Sampling zone ST High tidal level (2.0 m above C.D.)										sub-total		
Gp	Taxon	1	2	3	4	5	6	7	8	9	10	C	C	
Bi	<i>Barbatia virescens</i>	1			1	1		1						3
Bi	<i>Ruditapes philippinarum</i>						1							1
Bi	<i>Saccostrea cucullata</i>	4	9	11	6	29	24	13	20	36	40			192
Bi	<i>Xenostrobus atrata</i>		1				1		1	3				6
C	<i>Hemigrapsus penicillatus</i>						2				1			3
C	<i>Metopograpsus latifrons</i>								2					2
C	<i>Nanosesarma minutum</i>						1			1				2
C	<i>Scylla serrata</i>			1										1
Cn	Sea anemone spp.	5		19			1				2			27
G	<i>Batillaria bornii</i>	9	34		2	3	11							59
G	<i>Batillaria multiformis</i>	98	145	108	250	24	57	17	72	11	47			829
G	<i>Cellana toreuma</i>		1	17	1	33	28	1	13	3	19			116
G	<i>Cerithidea cingulata</i>	8	6		1	3	1		6	1	6			32
G	<i>Cerithidea djadjariensis</i>	7	4		4	4	7	3	7	3	5			44
G	<i>Cerithidea rhizophorarum</i>	5			2	2								9
G	<i>Clithon faba</i>		2	1	3		1			1	1			9
G	<i>Clithon oualaniensis</i>	16	30	10	14		5	2	1		7			85
G	<i>Euchelus scaber</i>							1						1
G	<i>Lepidozona</i> sp.				1									1

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

Jun 2014	Sampling zone ST	High tidal level (2.0 m above C.D.)										sub-total										
Gp	Taxon	1	2	3	4	5	6	7	8	9	10	C	C	C	C	C	C	C	C	C	sub-total	
G	<i>Littoraria articulata</i>	1										1									1	1
G	<i>Lunella coronata</i>					5	1	3	1	4	3											17
G	<i>Monodonta labio</i>	1	12	5	13	33	54	17	32	17	23											207
G	<i>Nassarius festivus</i>						1	1														2
G	<i>Nerita polita</i>			2				1	1													4
G	<i>Patelloida pygmaea</i>	1					1		1		2											5
Hc	<i>Pagurus dubius</i>		1		1																	2
Ne	Nemertea spp.								1													1
P	Glyceridae spp.									1											1	1
																			Total	1662		

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

Jun 2014	Sampling zone ST	Mid tidal level (1.5 m above C.D.)														
		1	2	3	4	5	6	7	8	9	10					
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Bi	<i>Barbatia signata</i>			1	2	2		2		2		9		1		15
Bi	<i>Barbatia virescens</i>	1		2	7	6		6		9		6		2		37
Bi	<i>Saccostrea cucullata</i>	11	17	18	41	23		53		66		66		39	24	328
Bi	<i>Xenostrobus atrata</i>	1		1												2
C	<i>Hemigrapsus penicillatus</i>		1			1		1						1		4
C	<i>Nanosesarma minutum</i>			1	1					1						3
Cn	<i>Sea anemone spp.</i>	3			1			1		1		1				7
G	<i>Batillaria bornii</i>		2	3	43	6		2		2				2	4	63
G	<i>Batillaria multiformis</i>	6	38	2		16		35		23		23		13	54	242
G	<i>Batillaria zonalis</i>		3	2	1											6
G	<i>Cellana toreuma</i>	5		76	6	20		25		23		23		35	14	219
G	<i>Cerithidea cingulata</i>		30	6	5	2		3		1		1			1	51
G	<i>Cerithidea djadjariensis</i>		72	16	15	2		1		2		2		1	12	128
G	<i>Cerithidea rhizophorarum</i>		1		1											2
G	<i>Clithon faba</i>	1														1
G	<i>Clithon oualaniensis</i>		5	1		1				1		1		2		10
G	<i>Euchelus scaber</i>			1												1
G	<i>Lepidozona sp.</i>			1	1									1		3
G	<i>Littoraria articulata</i>							1							1	2

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

Jun 2014	Sampling zone ST	Mid tidal level (1.5 m above C.D.)														
		1	2	3	4	5	6	7	8	9	10					
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	<i>Lunella coronata</i>	2	9	17	13	5	6	4	7	6	4	7	72	8	6	77
G	<i>Monodonta labio</i>	19	25	19	22	24	42	35	72	39	37	334				
G	<i>Nassarius festivus</i>			2	1											3
G	<i>Natica</i> sp.			1												1
G	<i>Nerita polita</i>				4		4	2		1						11
G	<i>Patelloida pygmaea</i>							1	2	1	1					5
G	<i>Thais luteostoma</i>				2	1										3
Ne	Nemertea spp.						1									1
P	Glyceridae spp.						1									1
Sp	<i>Sipunculus nudus</i>	3	1			1	1	4								10
Total															1570	

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

Jun 2014	Sampling zone	ST	Low tidal level (1.0 m above C.D.)										sub-total									
Gp	Taxon	1	2	3	4	5	6	7	8	9	10	C	C	C	C	C	C	C	C	C	sub-total	
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	<i>Balanus amphitrite</i>	1						5														6
Bi	<i>Atactodea striata</i>												1									1
Bi	<i>Barbatia signata</i>								2													2
Bi	<i>Barbatia virescens</i>		1						2													3
Bi	<i>Circe</i> sp.					1			2											1		8
Bi	<i>Ruditapes philippinarum</i>										1											1
Bi	<i>Saccostrea cucullata</i>	27	19					45														108
Bi	<i>Xenostrobus atrata</i>	1												3								4
C	<i>Hemigrapsus penicillatus</i>		2																			2
C	<i>Nanosesarma minutum</i>													1								1
G	<i>Batillaria bornii</i>	18	45																			63
G	<i>Batillaria multiformis</i>		4	1	1			1	2											1		20
G	<i>Batillaria zonalis</i>	11	4	20	19			3	3													128
G	<i>Cellana toreuma</i>	1	1																			3
G	<i>Cerithidea cingulata</i>								1													16
G	<i>Cerithidea djadjariensis</i>	36	33					4	1													137
G	<i>Cerithidea rhizophorarum</i>		1																			1
G	<i>Chlorostoma argyrostoma</i>		1																			1
G	<i>Euchelus scaber</i>	1												2								3

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

Jun 2014	Sampling zone ST	Low tidal level (1.0 m above C.D.)										C	sub-total			
		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	
G	<i>Lepidozona</i> sp.											1				1
G	<i>Lunella coronata</i>	15	21					7		10						53
G	<i>Monodonta labio</i>	4	2													6
G	<i>Nassarius festivus</i>	1	1			1	1			1						6
G	<i>Natica</i> sp.												1			1
G	<i>Pisania ignea</i>												1			1
Hc	<i>Pagurus dubius</i>		1													1
P	Goniadidae spp.				1											1
P	Maldanidae spp.						1						1			2
P	Nereididae spp.								1							1
P	Onuphidae spp.				1				1				1			5
P	<i>Ophelina acuminata</i>									1						1
P	Oweniidae spp.								1							2
Sp	<i>Sipunculus nudus</i>											1	1			2
														Total	591	

Faunal group (Gp) label

Ba: Barnacle; Bi: Bivalve; C: Crab; Cn: Cnidarin; Ec: Echinoderm; F: Fish; G: Gastropod; Hc: Hermit crab; Ne: Nemertean; Ol: Oligochaete; P: Polychaete; Pl: Platyhelminthes; S: Shrimp & Prawns; Sp: Sipuculan